New England ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

06/29/07

Technical Report for

GEI Consultants, Inc.

Indoor & Outdoor Air Samples Tufts St., Somerville MA

045162

Accutest Job Number: M65503

Sampling Date: 06/12/07

Report to:

GEI Consultants, Inc.
400 Unicorn Park Drive
Woburn, MA 01801-1970

ATTN: Raymond Siegener, Ph.D.

Total number of pages in report: **582**

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Reza Tand
Lab Director

ACCUTEST LABORATORIES 50 YEARS 1956-2006

Client Service contact: Kristen Blanchard 508-481-6200

Certifications: MA (M-MA136) CT (PH-0109) NH (250204) RI (00071) ME (MA136) FL (E87579) NY (23346) NJ (MA926) NAVY USACE

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Test results relate only to samples analyzed.

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Sample Summary

GEI Consultants, Inc.

Job No: M65503

Indoor & Outdoor Air Samples Tufts St., Somerville MA
Project No: 045162

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
M65503-1	06/12/07	13:37	TAD	06/13/07	AIR	Air	045162-50 TUFT-INF
M65503-2	06/12/07	12:30	TAD	06/13/07	AIR	Air	045162-50 TUFT-EFF

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	GEI Consultants, Inc.	**Job No**	M65503
Site:	Indoor & Outdoor Air Samples Tufts St., Somerville MA	**Report Date**	6/27/2007 4:44:16 PM

2 Sample(s) were collected on 06/12/2007 and were received at Accutest on 06/13/2007. These Samples received an Accutest job number of M65503. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method TO-15

Matrix AIR **Batch ID:** MSJ557

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) M65503-1DUP were used as the QC samples indicated.
- Calibration verification standard and continuing calibration check standard for Hexachlorobutadiene are outside criteria (response bias high). Associated samples are non-detect for this compound.
- MSJ557-BS for Hexachlorobutadiene: Outside control limits. Associated samples are non-detect for this compound.

The Accutest Laboratories of New England certifies that all analysis were performed within method specification. It is further recommended that this report to be used in its entirety.The Accutest Laboratories of NE, Laboratory Director or assignee as verified by the signature on the cover page has authorized the release of this report(M65503).

Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Client Sample ID: 045162-50 TUFT-INF
Lab Sample ID: M65503-1 **Date Sampled:** 06/12/07
Matrix: AIR - Air Summa ID: M132,M074 **Date Received:** 06/13/07
Method: TO-15 **Percent Solids:** n/a
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J10773.D	1200	06/26/07	DFT	n/a	n/a	MSJ557
Run #2	J10775.D	6000	06/26/07	DFT	n/a	n/a	MSJ557

	Initial Volume
Run #1	400 ml
Run #2	400 ml

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	ND	600	ppbv		ND	1400	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	600	ppbv		ND	1300	ug/m3
71-43-2	78.11	Benzene	ND	600	ppbv		ND	1900	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	600	ppbv		ND	4000	ug/m3
75-25-2	252.8	Bromoform	ND	600	ppbv		ND	6200	ug/m3
74-83-9	94.94	Bromomethane	ND	600	ppbv		ND	2300	ug/m3
593-60-2	106.9	Bromoethene	ND	600	ppbv		ND	2600	ug/m3
100-44-7	126	Benzyl Chloride	ND	600	ppbv		ND	3100	ug/m3
75-15-0	76.14	Carbon disulfide	ND	600	ppbv		ND	1900	ug/m3
108-90-7	112.6	Chlorobenzene	ND	600	ppbv		ND	2800	ug/m3
75-00-3	64.52	Chloroethane	ND	240	ppbv		ND	630	ug/m3
67-66-3	119.4	Chloroform	ND	600	ppbv		ND	2900	ug/m3
74-87-3	50.49	Chloromethane	ND	600	ppbv		ND	1200	ug/m3
107-05-1	76.53	3-Chloropropene	ND	600	ppbv		ND	1900	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	600	ppbv		ND	3100	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	240	ppbv		ND	1500	ug/m3
110-82-7	84.16	Cyclohexane	ND	600	ppbv		ND	2100	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	240	ppbv		ND	970	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	240	ppbv		ND	950	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	600	ppbv		ND	4600	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	240	ppbv		ND	970	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	600	ppbv		ND	2800	ug/m3
123-91-1	88	1,4-Dioxane	ND	600	ppbv		ND	2200	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	ND	600	ppbv		ND	3000	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	600	ppbv		ND	5100	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	240	ppbv		ND	950	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	240	ppbv		ND	950	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	600	ppbv		ND	2700	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	600	ppbv		ND	3600	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	600	ppbv		ND	3600	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	600	ppbv		ND	3600	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	600	ppbv		ND	2700	ug/m3

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: 045162-50 TUFT-INF
Lab Sample ID: M65503-1 **Date Sampled:** 06/12/07
Matrix: AIR - Air Summa ID: M132,M074 **Date Received:** 06/13/07
Method: TO-15 **Percent Solids:** n/a
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units
64-17-5	46	Ethanol	ND	600	ppbv		ND	1100	ug/m3
100-41-4	106.2	Ethylbenzene	ND	600	ppbv		ND	2600	ug/m3
141-78-6	88	Ethyl Acetate	ND	600	ppbv		ND	2200	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	600	ppbv		ND	2900	ug/m3
76-13-1	187.4	Freon 113	ND	600	ppbv		ND	4600	ug/m3
76-14-2	170.9	Freon 114	ND	600	ppbv		ND	4200	ug/m3
142-82-5	100.2	Heptane	ND	600	ppbv		ND	2500	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	600	ppbv		ND	6400	ug/m3
110-54-3	86.17	Hexane	ND	600	ppbv		ND	2100	ug/m3
591-78-6	100	2-Hexanone	ND	600	ppbv		ND	2500	ug/m3
67-63-0	60	Isopropyl Alcohol	ND	600	ppbv		ND	1500	ug/m3
75-09-2	84.94	Methylene chloride	ND	600	ppbv		ND	2100	ug/m3
78-93-3	72.11	Methyl ethyl ketone	ND	600	ppbv		ND	1800	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	600	ppbv		ND	2500	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	600	ppbv		ND	2200	ug/m3
115-07-1	42	Propylene	ND	600	ppbv		ND	1000	ug/m3
100-42-5	104.1	Styrene	ND	600	ppbv		ND	2600	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	2340	240	ppbv		12800	1300	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	240	ppbv		ND	1600	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	240	ppbv		ND	1300	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	600	ppbv		ND	4500	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	600	ppbv		ND	2900	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	600	ppbv		ND	2900	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	600	ppbv		ND	2800	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	600	ppbv		ND	1800	ug/m3
127-18-4	165.8	Tetrachloroethylene	51100 [a]	1200	ppbv		347000 [a]	8100	ug/m3
109-99-9	72	Tetrahydrofuran	ND	600	ppbv		ND	1800	ug/m3
108-88-3	92.14	Toluene	ND	600	ppbv		ND	2300	ug/m3
79-01-6	131.4	Trichloroethylene	1080	240	ppbv		5800	1300	ug/m3
75-69-4	137.4	Trichlorofluoromethane	ND	600	ppbv		ND	3400	ug/m3
75-01-4	62.5	Vinyl chloride	ND	240	ppbv		ND	610	ug/m3
108-05-4	86	Vinyl Acetate	ND	600	ppbv		ND	2100	ug/m3
	106.2	m,p-Xylene	ND	600	ppbv		ND	2600	ug/m3
95-47-6	106.2	o-Xylene	ND	600	ppbv		ND	2600	ug/m3
1330-20-7	106.2	Xylenes (total)	ND	600	ppbv		ND	2600	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	80%	76%	57-139%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	045162-50 TUFT-INF		
Lab Sample ID:	M65503-1	**Date Sampled:**	06/12/07
Matrix:	AIR - Air Summa ID: M132,M074	**Date Received:**	06/13/07
Method:	TO-15	**Percent Solids:**	n/a
Project:	Indoor & Outdoor Air Samples Tufts St., Somerville MA		

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units

(a) Result is from Run# 2

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID: 045162-50 TUFT-EFF
Lab Sample ID: M65503-2 **Date Sampled:** 06/12/07
Matrix: AIR - Air Summa ID: M092,M160 **Date Received:** 06/13/07
Method: TO-15 **Percent Solids:** n/a
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J10776.D	20	06/26/07	DFT	n/a	n/a	MSJ557
Run #2	J10774.D	1200	06/26/07	DFT	n/a	n/a	MSJ557

	Initial Volume
Run #1	400 ml
Run #2	400 ml

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	ND	10	ppbv		ND	24	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	10	ppbv		ND	22	ug/m3
71-43-2	78.11	Benzene	ND	10	ppbv		ND	32	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	10	ppbv		ND	67	ug/m3
75-25-2	252.8	Bromoform	ND	10	ppbv		ND	100	ug/m3
74-83-9	94.94	Bromomethane	ND	10	ppbv		ND	39	ug/m3
593-60-2	106.9	Bromoethene	ND	10	ppbv		ND	44	ug/m3
100-44-7	126	Benzyl Chloride	ND	10	ppbv		ND	52	ug/m3
75-15-0	76.14	Carbon disulfide	ND	10	ppbv		ND	31	ug/m3
108-90-7	112.6	Chlorobenzene	ND	10	ppbv		ND	46	ug/m3
75-00-3	64.52	Chloroethane	ND	4.0	ppbv		ND	11	ug/m3
67-66-3	119.4	Chloroform	19.2	10	ppbv		93.8	49	ug/m3
74-87-3	50.49	Chloromethane	ND	10	ppbv		ND	21	ug/m3
107-05-1	76.53	3-Chloropropene	ND	10	ppbv		ND	31	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	10	ppbv		ND	52	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	4.0	ppbv		ND	25	ug/m3
110-82-7	84.16	Cyclohexane	ND	10	ppbv		ND	34	ug/m3
75-34-3	98.96	1,1-Dichloroethane	3.4	4.0	ppbv	J	14	16	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	131	4.0	ppbv		519	16	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	10	ppbv		ND	77	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	4.0	ppbv		ND	16	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	10	ppbv		ND	46	ug/m3
123-91-1	88	1,4-Dioxane	ND	10	ppbv		ND	36	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	ND	10	ppbv		ND	49	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	10	ppbv		ND	85	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	4.0	ppbv		ND	16	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	7.7	4.0	ppbv		31	16	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	10	ppbv		ND	45	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	10	ppbv		ND	60	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	10	ppbv		ND	60	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	10	ppbv		ND	60	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	10	ppbv		ND	45	ug/m3

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	045162-50 TUFT-EFF		
Lab Sample ID:	M65503-2	**Date Sampled:**	06/12/07
Matrix:	AIR - Air Summa ID: M092,M160	**Date Received:**	06/13/07
Method:	TO-15	**Percent Solids:**	n/a
Project:	Indoor & Outdoor Air Samples Tufts St., Somerville MA		

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units
64-17-5	46	Ethanol	ND	10	ppbv		ND	19	ug/m3
100-41-4	106.2	Ethylbenzene	ND	10	ppbv		ND	43	ug/m3
141-78-6	88	Ethyl Acetate	ND	10	ppbv		ND	36	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	10	ppbv		ND	49	ug/m3
76-13-1	187.4	Freon 113	ND	10	ppbv		ND	77	ug/m3
76-14-2	170.9	Freon 114	ND	10	ppbv		ND	70	ug/m3
142-82-5	100.2	Heptane	ND	10	ppbv		ND	41	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	10	ppbv		ND	110	ug/m3
110-54-3	86.17	Hexane	ND	10	ppbv		ND	35	ug/m3
591-78-6	100	2-Hexanone	ND	10	ppbv		ND	41	ug/m3
67-63-0	60	Isopropyl Alcohol	ND	10	ppbv		ND	25	ug/m3
75-09-2	84.94	Methylene chloride	ND	10	ppbv		ND	35	ug/m3
78-93-3	72.11	Methyl ethyl ketone	ND	10	ppbv		ND	29	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	10	ppbv		ND	41	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	10	ppbv		ND	36	ug/m3
115-07-1	42	Propylene	ND	10	ppbv		ND	17	ug/m3
100-42-5	104.1	Styrene	ND	10	ppbv		ND	43	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	1610 [a]	240	ppbv		8780 [a]	1300	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	4.0	ppbv		ND	27	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	4.0	ppbv		ND	22	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	10	ppbv		ND	74	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	10	ppbv		ND	49	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	10	ppbv		ND	49	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	10	ppbv		ND	47	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	10	ppbv		ND	30	ug/m3
127-18-4	165.8	Tetrachloroethylene	17.3	4.0	ppbv		117	27	ug/m3
109-99-9	72	Tetrahydrofuran	ND	10	ppbv		ND	29	ug/m3
108-88-3	92.14	Toluene	ND	10	ppbv		ND	38	ug/m3
79-01-6	131.4	Trichloroethylene	5.2	4.0	ppbv		28	21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	ND	10	ppbv		ND	56	ug/m3
75-01-4	62.5	Vinyl chloride	ND	4.0	ppbv		ND	10	ug/m3
108-05-4	86	Vinyl Acetate	ND	10	ppbv		ND	35	ug/m3
	106.2	m,p-Xylene	ND	10	ppbv		ND	43	ug/m3
95-47-6	106.2	o-Xylene	ND	10	ppbv		ND	43	ug/m3
1330-20-7	106.2	Xylenes (total)	ND	10	ppbv		ND	43	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	89%	81%	57-139%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	045162-50 TUFT-EFF		
Lab Sample ID:	M65503-2	**Date Sampled:**	06/12/07
Matrix:	AIR - Air Summa ID: M092,M160	**Date Received:**	06/13/07
Method:	TO-15	**Percent Solids:**	n/a
Project:	Indoor & Outdoor Air Samples Tufts St., Somerville MA		

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units

(a) Result is from Run# 2

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Summa Canister and Flow Controller Log
- Sample Tracking Chronicle
- Internal Chain of Custody

CHAIN OF CUSTODY

ACCUTEST Laboratories

Air Sampling Field Data Sheet

FED-EX Tracking #: | Bottle Order Control #: | Lab Quote #: | Lab Job #: M65503

PAGE 1 OF 2

Client / Reporting Information

Company Name: GEI
Address: 400 Unicorn Park Dr
City: Woburn State: MA Zip: 01801
Project Contact: Mark Ensign E-mail: mensign@GEIconsultants.com
Phone #: 781-721-4000 Fax #: 781-721-4073

Project Name: 50 Tufts St
Street: 50 Tufts St
City: Somerville State: MA
Project #: 045162
Client Purchase Order #:

Weather Parameters

Temperature (Fahrenheit)
Start: Maximum:
Stop: Minimum:
Atmospheric Pressure (inches of Hg)
Start: Maximum:
Stop: Minimum:
Other weather comment:

Sampler(s) Name(s): Tom Daigle

Requested Analysis: Standard TO-15 Reporting List; MA DEP APH

Lab Sample #	Field ID / Point of Collection	Air Type: Indoor(I) Soil Vap(SV) Ambient(A)	Sampling Equipment Info: Canister Serial #	Canister Size 6L or 1L	Flow Controller Serial #	Start Sampling Information: Date	Time (24hr clock)	Canister Pressure ("Hg)	Interior Temp (F)	Sampler Init.	Stop Sampling Information: Date	Time (24hr clock)	Canister Pressure ("Hg)	Interior Temp (F)	Sampler Init.
M65503-1	045162-50TUFT-INF	SV	M074	6	MC119	6-12-07	1136	30	–	TAD	6-12-07	1337	5	–	TAD
-2	045162-50TUFT-EFF	SV	M092	6	MC102	6-12-07	1139	29	–	TAD	6-12-07	1230	3	–	TAD

Turnaround Time (Business days)

Standard - 15 Days ✓
10 Day
5 Day
3 Day
2 Day
1 Day
Other

Approved By:
Date:

Data Deliverable Information

Comm A
Comm B
Full T1
Other:

Comments / Remarks

Please run full VOC list (TO-15). AS 6/13/07

See attached list. AS 6/13/07

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Laboratory:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1 GEI Lab	6-12-07 700	1 Tom Daigle	2 Tom Daigle	6-12-07 1600	2 GEI lab
Relinquished by: 3 GEI Lab / Ray Sugar	Date Time: 6/13/07 14:45	Received By: 3	Relinquished By: 4	Date Time: 6/13/07 15:45	Received By: 4
Relinquished by: 5	Date Time:	Received By: 5	Custody Seal #		

SM013-01 (07/07/05)

4.1

4

M65503: Chain of Custody
Page 1 of 1

Summa Canister and Flow Controller Log

Job Number: M65503
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA
Received: 06/13/07

SUMMA CANISTERS

Shipping							Receiving						
Summa ID	L	Vac " Hg	Date Out	By	SCC Batch	SCC FileID	Sample Number	Date In	By	Vac " Hg	Pres psig	Final psig	Dil Fact
M074	6	29.4	06/04/07	PB	CP425	J10546A.D	M65503-1	06/16/07	DFT	6			1
M092	6	29.4	05/24/07	PB	CP418	Q3489.D	M65503-2	06/16/07	DFT	3			1

FLOW CONTROLLERS

Shipping					Receiving		
Flow Crtl ID	Date Out	By	cc/ min	Time hrs.	Date In	By	cc/ min
MC102	04/16/07	PB	80	1	06/22/07	PB	80.6
MC119	04/16/07	PB	80	1	06/22/07	PB	87.9

Accutest Bottle Order(s):
PB/4-16-07/GEI/TUFTS ST.
PB/5-24-07/GEI/TUFTS ST.
PB/6-4-07/GEI/TUFTS ST.

Prep Date	Room Temp(F)	Bar Pres "Hg
05/24/07	70	29.92
06/04/07	70	29.92

Internal Sample Tracking Chronicle

GEI Consultants, Inc.

Job No: M65503

Indoor & Outdoor Air Samples Tufts St., Somerville MA
Project No: 045162

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
M65503-1 Collected: 12-JUN-07 13:37 By: TAD Received: 13-JUN-07 By: RS 045162-50 TUFT-INF						
M65503-1	TO-15	26-JUN-07 16:00	DFT			VTO15STD
M65503-1	TO-15	26-JUN-07 17:41	DFT			VTO15STD
M65503-2 Collected: 12-JUN-07 12:30 By: TAD Received: 13-JUN-07 By: RS 045162-50 TUFT-EFF						
M65503-2	TO-15	26-JUN-07 16:58	DFT			VTO15STD
M65503-2	TO-15	26-JUN-07 18:24	DFT			VTO15STD

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Internal Standard Area Summaries
- Initial Calibration RT/ISTD Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: M65503
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSJ557-MB	J10769.D	1	06/26/07	DFT	n/a	n/a	MSJ557

The QC reported here applies to the following samples: **Method:** TO-15

M65503-1, M65503-2

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
67-64-1	Acetone	ND	0.50	ppbv		ND	1.2	ug/m3
106-99-0	1,3-Butadiene	ND	0.50	ppbv		ND	1.1	ug/m3
71-43-2	Benzene	ND	0.50	ppbv		ND	1.6	ug/m3
75-27-4	Bromodichloromethane	ND	0.50	ppbv		ND	3.3	ug/m3
75-25-2	Bromoform	ND	0.50	ppbv		ND	5.2	ug/m3
74-83-9	Bromomethane	ND	0.50	ppbv		ND	1.9	ug/m3
593-60-2	Bromoethene	ND	0.50	ppbv		ND	2.2	ug/m3
100-44-7	Benzyl Chloride	ND	0.50	ppbv		ND	2.6	ug/m3
75-15-0	Carbon disulfide	ND	0.50	ppbv		ND	1.6	ug/m3
108-90-7	Chlorobenzene	ND	0.50	ppbv		ND	2.3	ug/m3
75-00-3	Chloroethane	ND	0.20	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.50	ppbv		ND	2.4	ug/m3
74-87-3	Chloromethane	ND	0.50	ppbv		ND	1.0	ug/m3
107-05-1	3-Chloropropene	ND	0.50	ppbv		ND	1.6	ug/m3
95-49-8	2-Chlorotoluene	ND	0.50	ppbv		ND	2.6	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.50	ppbv		ND	1.7	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane	ND	0.50	ppbv		ND	3.8	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.50	ppbv		ND	2.3	ug/m3
123-91-1	1,4-Dioxane	ND	0.50	ppbv		ND	1.8	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.50	ppbv		ND	2.5	ug/m3
124-48-1	Dibromochloromethane	ND	0.50	ppbv		ND	4.3	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ppbv		ND	2.3	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.50	ppbv		ND	3.0	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.50	ppbv		ND	3.0	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.50	ppbv		ND	3.0	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ppbv		ND	2.3	ug/m3
64-17-5	Ethanol	ND	0.50	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.50	ppbv		ND	2.2	ug/m3
141-78-6	Ethyl Acetate	ND	0.50	ppbv		ND	1.8	ug/m3
622-96-8	4-Ethyltoluene	ND	0.50	ppbv		ND	2.5	ug/m3

Method Blank Summary

Job Number: M65503
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSJ557-MB	J10769.D	1	06/26/07	DFT	n/a	n/a	MSJ557

The QC reported here applies to the following samples: **Method:** TO-15

M65503-1, M65503-2

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.50	ppbv		ND	3.8	ug/m3
76-14-2	Freon 114	ND	0.50	ppbv		ND	3.5	ug/m3
142-82-5	Heptane	ND	0.50	ppbv		ND	2.0	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.50	ppbv		ND	5.3	ug/m3
110-54-3	Hexane	ND	0.50	ppbv		ND	1.8	ug/m3
591-78-6	2-Hexanone	ND	0.50	ppbv		ND	2.0	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.50	ppbv		ND	1.2	ug/m3
75-09-2	Methylene chloride	ND	0.50	ppbv		ND	1.7	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.50	ppbv		ND	1.5	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.50	ppbv		ND	2.0	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.50	ppbv		ND	1.8	ug/m3
115-07-1	Propylene	ND	0.50	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.50	ppbv		ND	2.1	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.50	ppbv		ND	3.7	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.50	ppbv		ND	2.5	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.50	ppbv		ND	2.5	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.50	ppbv		ND	2.3	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.50	ppbv		ND	1.5	ug/m3
127-18-4	Tetrachloroethylene	ND	0.20	ppbv		ND	1.4	ug/m3
109-99-9	Tetrahydrofuran	ND	0.50	ppbv		ND	1.5	ug/m3
108-88-3	Toluene	ND	0.50	ppbv		ND	1.9	ug/m3
79-01-6	Trichloroethylene	ND	0.20	ppbv		ND	1.1	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.50	ppbv		ND	2.8	ug/m3
75-01-4	Vinyl chloride	ND	0.20	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.50	ppbv		ND	1.8	ug/m3
	m,p-Xylene	ND	0.50	ppbv		ND	2.2	ug/m3
95-47-6	o-Xylene	ND	0.50	ppbv		ND	2.2	ug/m3
1330-20-7	Xylenes (total)	ND	0.50	ppbv		ND	2.2	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	94%	57-139%

Method Blank Summary

Job Number: M65503
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSQ190-MB	Q3492.D	1	05/22/07	PB	n/a	n/a	MSQ190

The QC reported here applies to the following samples: **Method:** TO-15

MSQ190-SCC

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
67-64-1	Acetone	ND	0.50	ppbv		ND	1.2	ug/m3
106-99-0	1,3-Butadiene	ND	0.50	ppbv		ND	1.1	ug/m3
71-43-2	Benzene	ND	0.50	ppbv		ND	1.6	ug/m3
75-27-4	Bromodichloromethane	ND	0.50	ppbv		ND	3.3	ug/m3
75-25-2	Bromoform	ND	0.50	ppbv		ND	5.2	ug/m3
74-83-9	Bromomethane	ND	0.50	ppbv		ND	1.9	ug/m3
593-60-2	Bromoethene	ND	0.50	ppbv		ND	2.2	ug/m3
100-44-7	Benzyl Chloride	ND	0.50	ppbv		ND	2.6	ug/m3
75-15-0	Carbon disulfide	ND	0.50	ppbv		ND	1.6	ug/m3
108-90-7	Chlorobenzene	ND	0.50	ppbv		ND	2.3	ug/m3
75-00-3	Chloroethane	ND	0.20	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.50	ppbv		ND	2.4	ug/m3
74-87-3	Chloromethane	ND	0.50	ppbv		ND	1.0	ug/m3
107-05-1	3-Chloropropene	ND	0.50	ppbv		ND	1.6	ug/m3
95-49-8	2-Chlorotoluene	ND	0.50	ppbv		ND	2.6	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.50	ppbv		ND	1.7	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane	ND	0.50	ppbv		ND	3.8	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.50	ppbv		ND	2.3	ug/m3
123-91-1	1,4-Dioxane	ND	0.50	ppbv		ND	1.8	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.50	ppbv		ND	2.5	ug/m3
124-48-1	Dibromochloromethane	ND	0.50	ppbv		ND	4.3	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ppbv		ND	2.3	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.50	ppbv		ND	3.0	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.50	ppbv		ND	3.0	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.50	ppbv		ND	3.0	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ppbv		ND	2.3	ug/m3
64-17-5	Ethanol	ND	0.50	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.50	ppbv		ND	2.2	ug/m3
141-78-6	Ethyl Acetate	ND	0.50	ppbv		ND	1.8	ug/m3
622-96-8	4-Ethyltoluene	ND	0.50	ppbv		ND	2.5	ug/m3

Method Blank Summary

Job Number: M65503
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSQ190-MB	Q3492.D	1	05/22/07	PB	n/a	n/a	MSQ190

The QC reported here applies to the following samples: **Method:** TO-15

MSQ190-SCC

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.50	ppbv		ND	3.8	ug/m3
76-14-2	Freon 114	ND	0.50	ppbv		ND	3.5	ug/m3
142-82-5	Heptane	ND	0.50	ppbv		ND	2.0	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.50	ppbv		ND	5.3	ug/m3
110-54-3	Hexane	ND	0.50	ppbv		ND	1.8	ug/m3
591-78-6	2-Hexanone	ND	0.50	ppbv		ND	2.0	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.50	ppbv		ND	1.2	ug/m3
75-09-2	Methylene chloride	ND	0.50	ppbv		ND	1.7	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.50	ppbv		ND	1.5	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.50	ppbv		ND	2.0	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.50	ppbv		ND	1.8	ug/m3
115-07-1	Propylene	ND	0.50	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.50	ppbv		ND	2.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.50	ppbv		ND	3.7	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.50	ppbv		ND	2.5	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.50	ppbv		ND	2.5	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.50	ppbv		ND	2.3	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.50	ppbv		ND	1.5	ug/m3
127-18-4	Tetrachloroethylene	ND	0.20	ppbv		ND	1.4	ug/m3
109-99-9	Tetrahydrofuran	ND	0.50	ppbv		ND	1.5	ug/m3
108-88-3	Toluene	ND	0.50	ppbv		ND	1.9	ug/m3
79-01-6	Trichloroethylene	ND	0.20	ppbv		ND	1.1	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.50	ppbv		ND	2.8	ug/m3
75-01-4	Vinyl chloride	ND	0.20	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.50	ppbv		ND	1.8	ug/m3
	m,p-Xylene	ND	0.50	ppbv		ND	2.2	ug/m3
95-47-6	o-Xylene	ND	0.50	ppbv		ND	2.2	ug/m3
1330-20-7	Xylenes (total)	ND	0.50	ppbv		ND	2.2	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	91%	57-139%

Method Blank Summary

Job Number: M65503
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSQ195-MB	Q3591.D	1	06/01/07	PB	n/a	n/a	MSQ195

The QC reported here applies to the following samples: **Method:** TO-15

MSQ195-SCC

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
67-64-1	Acetone	1.4	0.50	ppbv		3.3	1.2	ug/m3
106-99-0	1,3-Butadiene	ND	0.50	ppbv		ND	1.1	ug/m3
71-43-2	Benzene	ND	0.50	ppbv		ND	1.6	ug/m3
75-27-4	Bromodichloromethane	ND	0.50	ppbv		ND	3.3	ug/m3
75-25-2	Bromoform	ND	0.50	ppbv		ND	5.2	ug/m3
74-83-9	Bromomethane	ND	0.50	ppbv		ND	1.9	ug/m3
593-60-2	Bromoethene	ND	0.50	ppbv		ND	2.2	ug/m3
100-44-7	Benzyl Chloride	ND	0.50	ppbv		ND	2.6	ug/m3
75-15-0	Carbon disulfide	ND	0.50	ppbv		ND	1.6	ug/m3
108-90-7	Chlorobenzene	ND	0.50	ppbv		ND	2.3	ug/m3
75-00-3	Chloroethane	ND	0.20	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.50	ppbv		ND	2.4	ug/m3
74-87-3	Chloromethane	ND	0.50	ppbv		ND	1.0	ug/m3
107-05-1	3-Chloropropene	ND	0.50	ppbv		ND	1.6	ug/m3
95-49-8	2-Chlorotoluene	ND	0.50	ppbv		ND	2.6	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.50	ppbv		ND	1.7	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane	ND	0.50	ppbv		ND	3.8	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.50	ppbv		ND	2.3	ug/m3
123-91-1	1,4-Dioxane	ND	0.50	ppbv		ND	1.8	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.50	ppbv		ND	2.5	ug/m3
124-48-1	Dibromochloromethane	ND	0.50	ppbv		ND	4.3	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ppbv		ND	2.3	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.50	ppbv		ND	3.0	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.50	ppbv		ND	3.0	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.50	ppbv		ND	3.0	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ppbv		ND	2.3	ug/m3
64-17-5	Ethanol	ND	0.50	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.50	ppbv		ND	2.2	ug/m3
141-78-6	Ethyl Acetate	ND	0.50	ppbv		ND	1.8	ug/m3
622-96-8	4-Ethyltoluene	ND	0.50	ppbv		ND	2.5	ug/m3

Method Blank Summary

Job Number: M65503
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSQ195-MB	Q3591.D	1	06/01/07	PB	n/a	n/a	MSQ195

The QC reported here applies to the following samples: **Method:** TO-15

MSQ195-SCC

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.50	ppbv		ND	3.8	ug/m3
76-14-2	Freon 114	ND	0.50	ppbv		ND	3.5	ug/m3
142-82-5	Heptane	ND	0.50	ppbv		ND	2.0	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.50	ppbv		ND	5.3	ug/m3
110-54-3	Hexane	ND	0.50	ppbv		ND	1.8	ug/m3
591-78-6	2-Hexanone	ND	0.50	ppbv		ND	2.0	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.50	ppbv		ND	1.2	ug/m3
75-09-2	Methylene chloride	ND	0.50	ppbv		ND	1.7	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.50	ppbv		ND	1.5	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.50	ppbv		ND	2.0	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.50	ppbv		ND	1.8	ug/m3
115-07-1	Propylene	ND	0.50	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.50	ppbv		ND	2.1	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.50	ppbv		ND	3.7	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.50	ppbv		ND	2.5	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.50	ppbv		ND	2.5	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.50	ppbv		ND	2.3	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.50	ppbv		ND	1.5	ug/m3
127-18-4	Tetrachloroethylene	ND	0.20	ppbv		ND	1.4	ug/m3
109-99-9	Tetrahydrofuran	ND	0.50	ppbv		ND	1.5	ug/m3
108-88-3	Toluene	ND	0.50	ppbv		ND	1.9	ug/m3
79-01-6	Trichloroethylene	ND	0.20	ppbv		ND	1.1	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.50	ppbv		ND	2.8	ug/m3
75-01-4	Vinyl chloride	ND	0.20	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.50	ppbv		ND	1.8	ug/m3
	m,p-Xylene	ND	0.50	ppbv		ND	2.2	ug/m3
95-47-6	o-Xylene	ND	0.50	ppbv		ND	2.2	ug/m3
1330-20-7	Xylenes (total)	ND	0.50	ppbv		ND	2.2	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	96%	57-139%

Method Blank Summary

Job Number: M65503
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSJ551-MB	J10633.D	1	06/13/07	DFT	n/a	n/a	MSJ551

The QC reported here applies to the following samples: **Method:** TO-15

MSJ551-SCC

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
67-64-1	Acetone	0.59	0.50	ppbv		1.4	1.2	ug/m3
106-99-0	1,3-Butadiene	ND	0.50	ppbv		ND	1.1	ug/m3
71-43-2	Benzene	ND	0.50	ppbv		ND	1.6	ug/m3
75-27-4	Bromodichloromethane	ND	0.50	ppbv		ND	3.3	ug/m3
75-25-2	Bromoform	ND	0.50	ppbv		ND	5.2	ug/m3
74-83-9	Bromomethane	ND	0.50	ppbv		ND	1.9	ug/m3
593-60-2	Bromoethene	ND	0.50	ppbv		ND	2.2	ug/m3
100-44-7	Benzyl Chloride	ND	0.50	ppbv		ND	2.6	ug/m3
75-15-0	Carbon disulfide	ND	0.50	ppbv		ND	1.6	ug/m3
108-90-7	Chlorobenzene	ND	0.50	ppbv		ND	2.3	ug/m3
75-00-3	Chloroethane	ND	0.20	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.50	ppbv		ND	2.4	ug/m3
74-87-3	Chloromethane	ND	0.50	ppbv		ND	1.0	ug/m3
107-05-1	3-Chloropropene	ND	0.50	ppbv		ND	1.6	ug/m3
95-49-8	2-Chlorotoluene	ND	0.50	ppbv		ND	2.6	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.50	ppbv		ND	1.7	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane	ND	0.50	ppbv		ND	3.8	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.50	ppbv		ND	2.3	ug/m3
123-91-1	1,4-Dioxane	ND	0.50	ppbv		ND	1.8	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.50	ppbv		ND	2.5	ug/m3
124-48-1	Dibromochloromethane	ND	0.50	ppbv		ND	4.3	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ppbv		ND	2.3	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.50	ppbv		ND	3.0	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.50	ppbv		ND	3.0	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.50	ppbv		ND	3.0	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ppbv		ND	2.3	ug/m3
64-17-5	Ethanol	ND	0.50	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.50	ppbv		ND	2.2	ug/m3
141-78-6	Ethyl Acetate	ND	0.50	ppbv		ND	1.8	ug/m3
622-96-8	4-Ethyltoluene	ND	0.50	ppbv		ND	2.5	ug/m3

Method Blank Summary

Job Number: M65503
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSJ551-MB	J10633.D	1	06/13/07	DFT	n/a	n/a	MSJ551

The QC reported here applies to the following samples: **Method:** TO-15

MSJ551-SCC

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.50	ppbv		ND	3.8	ug/m3
76-14-2	Freon 114	ND	0.50	ppbv		ND	3.5	ug/m3
142-82-5	Heptane	ND	0.50	ppbv		ND	2.0	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.50	ppbv		ND	5.3	ug/m3
110-54-3	Hexane	ND	0.50	ppbv		ND	1.8	ug/m3
591-78-6	2-Hexanone	ND	0.50	ppbv		ND	2.0	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.50	ppbv		ND	1.2	ug/m3
75-09-2	Methylene chloride	ND	0.50	ppbv		ND	1.7	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.50	ppbv		ND	1.5	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.50	ppbv		ND	2.0	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.50	ppbv		ND	1.8	ug/m3
115-07-1	Propylene	ND	0.50	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.50	ppbv		ND	2.1	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.50	ppbv		ND	3.7	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.50	ppbv		ND	2.5	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.50	ppbv		ND	2.5	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.50	ppbv		ND	2.3	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.50	ppbv		ND	1.5	ug/m3
127-18-4	Tetrachloroethylene	ND	0.20	ppbv		ND	1.4	ug/m3
109-99-9	Tetrahydrofuran	ND	0.50	ppbv		ND	1.5	ug/m3
108-88-3	Toluene	ND	0.50	ppbv		ND	1.9	ug/m3
79-01-6	Trichloroethylene	ND	0.20	ppbv		ND	1.1	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.50	ppbv		ND	2.8	ug/m3
75-01-4	Vinyl chloride	ND	0.20	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.50	ppbv		ND	1.8	ug/m3
	m,p-Xylene	ND	0.50	ppbv		ND	2.2	ug/m3
95-47-6	o-Xylene	ND	0.50	ppbv		ND	2.2	ug/m3
1330-20-7	Xylenes (total)	ND	0.50	ppbv		ND	2.2	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	91%	57-139%

Blank Spike Summary

Job Number: M65503
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSJ557-BS	J10768B.D	1	06/26/07	DFT	n/a	n/a	MSJ557

The QC reported here applies to the following samples: **Method:** TO-15

M65503-1, M65503-2

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	Limits
67-64-1	Acetone	10	8.8	88	70-130
106-99-0	1,3-Butadiene	10	10.3	103	70-130
71-43-2	Benzene	10	9.9	99	70-130
75-27-4	Bromodichloromethane	10	9.7	97	70-130
75-25-2	Bromoform	10	11.0	110	70-130
74-83-9	Bromomethane	10	9.9	99	70-130
593-60-2	Bromoethene	10	9.9	99	70-130
100-44-7	Benzyl Chloride	10	10.1	101	70-130
75-15-0	Carbon disulfide	10	9.3	93	70-130
108-90-7	Chlorobenzene	10	10.7	107	70-130
75-00-3	Chloroethane	10	9.8	98	70-130
67-66-3	Chloroform	10	9.3	93	70-130
74-87-3	Chloromethane	10	10	100	70-130
107-05-1	3-Chloropropene	10	9.7	97	70-130
95-49-8	2-Chlorotoluene	10	10.2	102	70-130
56-23-5	Carbon tetrachloride	10	10.1	101	70-130
110-82-7	Cyclohexane	10	10.7	107	70-130
75-34-3	1,1-Dichloroethane	10	9.3	93	70-130
75-35-4	1,1-Dichloroethylene	10	9.5	95	70-130
106-93-4	1,2-Dibromoethane	10	10.7	107	70-130
107-06-2	1,2-Dichloroethane	10	9.5	95	70-130
78-87-5	1,2-Dichloropropane	10	10.0	100	70-130
123-91-1	1,4-Dioxane	10	10.0	100	70-130
75-71-8	Dichlorodifluoromethane	10	10.5	105	70-130
124-48-1	Dibromochloromethane	10	10.3	103	70-130
156-60-5	trans-1,2-Dichloroethylene	10	9.5	95	70-130
156-59-2	cis-1,2-Dichloroethylene	10	9.4	94	70-130
10061-01-5	cis-1,3-Dichloropropene	10	9.4	94	70-130
541-73-1	m-Dichlorobenzene	10	10.2	102	70-130
95-50-1	o-Dichlorobenzene	10	10.7	107	70-130
106-46-7	p-Dichlorobenzene	10	10.1	101	70-130
10061-02-6	trans-1,3-Dichloropropene	10	8.7	87	70-130
64-17-5	Ethanol	10	9.7	97	70-130
100-41-4	Ethylbenzene	10	9.8	98	70-130
141-78-6	Ethyl Acetate	10	9.5	95	70-130
622-96-8	4-Ethyltoluene	10	9.1	91	70-130

Blank Spike Summary

Job Number: M65503
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSJ557-BS	J10768B.D	1	06/26/07	DFT	n/a	n/a	MSJ557

The QC reported here applies to the following samples: **Method:** TO-15

M65503-1, M65503-2

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	Limits
76-13-1	Freon 113	10	8.7	87	70-130
76-14-2	Freon 114	10	9.4	94	70-130
142-82-5	Heptane	10	11.3	113	70-130
87-68-3	Hexachlorobutadiene	10	14.4	144* [a]	70-130
110-54-3	Hexane	10	8.3	83	70-130
591-78-6	2-Hexanone	10	10.7	107	70-130
67-63-0	Isopropyl Alcohol	10	9.0	90	70-130
75-09-2	Methylene chloride	10	8.5	85	70-130
78-93-3	Methyl ethyl ketone	10	9.3	93	70-130
108-10-1	Methyl Isobutyl Ketone	10	10.4	104	70-130
1634-04-4	Methyl Tert Butyl Ether	10	9.7	97	70-130
115-07-1	Propylene	10	11.4	114	70-130
100-42-5	Styrene	10	9.2	92	70-130
71-55-6	1,1,1-Trichloroethane	10	9.4	94	70-130
79-34-5	1,1,2,2-Tetrachloroethane	10	11.8	118	70-130
79-00-5	1,1,2-Trichloroethane	10	10.3	103	70-130
120-82-1	1,2,4-Trichlorobenzene	10	11.6	116	70-130
95-63-6	1,2,4-Trimethylbenzene	10	10	100	70-130
108-67-8	1,3,5-Trimethylbenzene	10	10	100	70-130
540-84-1	2,2,4-Trimethylpentane	10	11.5	115	70-130
75-65-0	Tertiary Butyl Alcohol	10	11.3	113	70-130
127-18-4	Tetrachloroethylene	10	10.6	106	70-130
109-99-9	Tetrahydrofuran	10	9.8	98	70-130
108-88-3	Toluene	10	11.0	110	70-130
79-01-6	Trichloroethylene	10	10.5	105	70-130
75-69-4	Trichlorofluoromethane	10	9.6	96	70-130
75-01-4	Vinyl chloride	10	9.8	98	70-130
108-05-4	Vinyl Acetate	10	8.6	86	70-130
	m,p-Xylene	20	19.9	100	70-130
95-47-6	o-Xylene	10	9.9	99	70-130
1330-20-7	Xylenes (total)	30	29.7	99	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	107%	57-139%

Blank Spike Summary

Job Number: M65503
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSJ557-BS	J10768B.D	1	06/26/07	DFT	n/a	n/a	MSJ557

The QC reported here applies to the following samples: **Method:** TO-15

M65503-1, M65503-2

(a) Outside control limits. Associated samples are non-detect for this compound.

Blank Spike Summary

Job Number: M65503
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSQ190-BS	Q3491A.D	1	05/22/07	PB	n/a	n/a	MSQ190

The QC reported here applies to the following samples: **Method:** TO-15

MSQ190-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	Limits
67-64-1	Acetone	10	9.1	91	70-130
106-99-0	1,3-Butadiene	10	7.9	79	70-130
71-43-2	Benzene	10	8.1	81	70-130
75-27-4	Bromodichloromethane	10	8.7	87	70-130
75-25-2	Bromoform	10	10.2	102	70-130
74-83-9	Bromomethane	10	7.8	78	70-130
593-60-2	Bromoethene	10	8.3	83	70-130
100-44-7	Benzyl Chloride	10	7.3	73	70-130
75-15-0	Carbon disulfide	10	9.1	91	70-130
108-90-7	Chlorobenzene	10	8.5	85	70-130
75-00-3	Chloroethane	10	7.4	74	70-130
67-66-3	Chloroform	10	8.8	88	70-130
74-87-3	Chloromethane	10	7.1	71	70-130
107-05-1	3-Chloropropene	10	8.3	83	70-130
95-49-8	2-Chlorotoluene	10	9.3	93	70-130
56-23-5	Carbon tetrachloride	10	9.0	90	70-130
110-82-7	Cyclohexane	10	8.3	83	70-130
75-34-3	1,1-Dichloroethane	10	9.0	90	70-130
75-35-4	1,1-Dichloroethylene	10	9.3	93	70-130
106-93-4	1,2-Dibromoethane	10	8.4	84	70-130
107-06-2	1,2-Dichloroethane	10	8.7	87	70-130
78-87-5	1,2-Dichloropropane	10	9.4	94	70-130
123-91-1	1,4-Dioxane	10	9.4	94	70-130
75-71-8	Dichlorodifluoromethane	10	6.8	68* [a]	70-130
124-48-1	Dibromochloromethane	10	9.6	96	70-130
156-60-5	trans-1,2-Dichloroethylene	10	8.7	87	70-130
156-59-2	cis-1,2-Dichloroethylene	10	8.6	86	70-130
10061-01-5	cis-1,3-Dichloropropene	10	8.7	87	70-130
541-73-1	m-Dichlorobenzene	10	8.9	89	70-130
95-50-1	o-Dichlorobenzene	10	7.5	75	70-130
106-46-7	p-Dichlorobenzene	10	8.3	83	70-130
10061-02-6	trans-1,3-Dichloropropene	10	8.7	87	70-130
64-17-5	Ethanol	10	8.5	85	70-130
100-41-4	Ethylbenzene	10	9.5	95	70-130
141-78-6	Ethyl Acetate	10	9.2	92	70-130
622-96-8	4-Ethyltoluene	10	8.6	86	70-130

Blank Spike Summary

Job Number: M65503
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSQ190-BS	Q3491A.D	1	05/22/07	PB	n/a	n/a	MSQ190

The QC reported here applies to the following samples: **Method:** TO-15

MSQ190-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	Limits
76-13-1	Freon 113	10	8.7	87	70-130
76-14-2	Freon 114	10	7.6	76	70-130
142-82-5	Heptane	10	8.9	89	70-130
87-68-3	Hexachlorobutadiene	10	7.9	79	70-130
110-54-3	Hexane	10	8.9	89	70-130
591-78-6	2-Hexanone	10	8.7	87	70-130
67-63-0	Isopropyl Alcohol	10	9.3	93	70-130
75-09-2	Methylene chloride	10	9.6	96	70-130
78-93-3	Methyl ethyl ketone	10	9.0	90	70-130
108-10-1	Methyl Isobutyl Ketone	10	9.4	94	70-130
1634-04-4	Methyl Tert Butyl Ether	10	8.9	89	70-130
115-07-1	Propylene	10	7.1	71	70-130
100-42-5	Styrene	10	9.2	92	70-130
79-34-5	1,1,2,2-Tetrachloroethane	10	9.4	94	70-130
79-00-5	1,1,2-Trichloroethane	10	9.4	94	70-130
120-82-1	1,2,4-Trichlorobenzene	10	7.5	75	70-130
95-63-6	1,2,4-Trimethylbenzene	10	8.7	87	70-130
108-67-8	1,3,5-Trimethylbenzene	10	8.4	84	70-130
540-84-1	2,2,4-Trimethylpentane	10	9.3	93	70-130
75-65-0	Tertiary Butyl Alcohol	10	8.9	89	70-130
127-18-4	Tetrachloroethylene	10	8.8	88	70-130
109-99-9	Tetrahydrofuran	10	9.1	91	70-130
108-88-3	Toluene	10	10.6	106	70-130
79-01-6	Trichloroethylene	10	9.3	93	70-130
75-69-4	Trichlorofluoromethane	10	8.7	87	70-130
75-01-4	Vinyl chloride	10	7.8	78	70-130
108-05-4	Vinyl Acetate	10	8.8	88	70-130
	m,p-Xylene	20	17.9	90	70-130
95-47-6	o-Xylene	10	8.8	88	70-130
1330-20-7	Xylenes (total)	30	26.7	89	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	103%	57-139%

Blank Spike Summary

Job Number: M65503
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSQ190-BS	Q3491A.D	1	05/22/07	PB	n/a	n/a	MSQ190

The QC reported here applies to the following samples: **Method:** TO-15

MSQ190-SCC

(a) Outside control limits due to possible standard degradation.

Blank Spike Summary

Job Number: M65503
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSQ195-BS	Q3590A.D	1	06/01/07	PB	n/a	n/a	MSQ195

The QC reported here applies to the following samples: **Method:** TO-15

MSQ195-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	Limits
67-64-1	Acetone	10	12.8	128	70-130
106-99-0	1,3-Butadiene	10	11.6	116	70-130
71-43-2	Benzene	10	10.4	104	70-130
75-27-4	Bromodichloromethane	10	11.3	113	70-130
75-25-2	Bromoform	10	10.6	106	70-130
74-83-9	Bromomethane	10	10.8	108	70-130
593-60-2	Bromoethene	10	11.8	118	70-130
100-44-7	Benzyl Chloride	10	13.2	132* [a]	70-130
75-15-0	Carbon disulfide	10	15.0	150* [a]	70-130
108-90-7	Chlorobenzene	10	10.2	102	70-130
75-00-3	Chloroethane	10	12.2	122	70-130
67-66-3	Chloroform	10	11.0	110	70-130
74-87-3	Chloromethane	10	9.9	99	70-130
107-05-1	3-Chloropropene	10	14.2	142* [a]	70-130
95-49-8	2-Chlorotoluene	10	10.8	108	70-130
56-23-5	Carbon tetrachloride	10	10.9	109	70-130
110-82-7	Cyclohexane	10	10.5	105	70-130
75-34-3	1,1-Dichloroethane	10	15.3	153* [a]	70-130
75-35-4	1,1-Dichloroethylene	10	13.5	135* [a]	70-130
106-93-4	1,2-Dibromoethane	10	10.2	102	70-130
107-06-2	1,2-Dichloroethane	10	11.7	117	70-130
78-87-5	1,2-Dichloropropane	10	10.6	106	70-130
123-91-1	1,4-Dioxane	10	11.1	111	70-130
75-71-8	Dichlorodifluoromethane	10	10.0	100	70-130
124-48-1	Dibromochloromethane	10	11.1	111	70-130
156-60-5	trans-1,2-Dichloroethylene	10	15.6	156* [a]	70-130
156-59-2	cis-1,2-Dichloroethylene	10	10.5	105	70-130
10061-01-5	cis-1,3-Dichloropropene	10	11.5	115	70-130
541-73-1	m-Dichlorobenzene	10	9.5	95	70-130
95-50-1	o-Dichlorobenzene	10	12.6	126	70-130
106-46-7	p-Dichlorobenzene	10	9.9	99	70-130
10061-02-6	trans-1,3-Dichloropropene	10	11.8	118	70-130
64-17-5	Ethanol	10	10.6	106	70-130
100-41-4	Ethylbenzene	10	10.6	106	70-130
141-78-6	Ethyl Acetate	10	11.0	110	70-130
622-96-8	4-Ethyltoluene	10	10.6	106	70-130

Blank Spike Summary

Job Number: M65503
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSQ195-BS	Q3590A.D	1	06/01/07	PB	n/a	n/a	MSQ195

The QC reported here applies to the following samples: **Method:** TO-15

MSQ195-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	Limits
76-13-1	Freon 113	10	13.0	130	70-130
76-14-2	Freon 114	10	10.5	105	70-130
142-82-5	Heptane	10	11.1	111	70-130
87-68-3	Hexachlorobutadiene	10	10.3	103	70-130
110-54-3	Hexane	10	9.9	99	70-130
591-78-6	2-Hexanone	10	12.9	129	70-130
67-63-0	Isopropyl Alcohol	10	12.8	128	70-130
75-09-2	Methylene chloride	10	13.0	130	70-130
78-93-3	Methyl ethyl ketone	10	11.1	111	70-130
108-10-1	Methyl Isobutyl Ketone	10	12.3	123	70-130
1634-04-4	Methyl Tert Butyl Ether	10	14.3	143* [a]	70-130
115-07-1	Propylene	10	9.2	92	70-130
100-42-5	Styrene	10	11.2	112	70-130
71-55-6	1,1,1-Trichloroethane	10	10.7	107	70-130
79-34-5	1,1,2,2-Tetrachloroethane	10	12.2	122	70-130
79-00-5	1,1,2-Trichloroethane	10	11.1	111	70-130
120-82-1	1,2,4-Trichlorobenzene	10	8.1	81	70-130
95-63-6	1,2,4-Trimethylbenzene	10	11.2	112	70-130
108-67-8	1,3,5-Trimethylbenzene	10	11.2	112	70-130
540-84-1	2,2,4-Trimethylpentane	10	10.9	109	70-130
75-65-0	Tertiary Butyl Alcohol	10	15.6	156* [a]	70-130
127-18-4	Tetrachloroethylene	10	9.2	92	70-130
109-99-9	Tetrahydrofuran	10	11.0	110	70-130
108-88-3	Toluene	10	9.8	98	70-130
79-01-6	Trichloroethylene	10	11.0	110	70-130
75-69-4	Trichlorofluoromethane	10	12.9	129	70-130
75-01-4	Vinyl chloride	10	10.1	101	70-130
108-05-4	Vinyl Acetate	10	14.7	147* [a]	70-130
	m,p-Xylene	20	20.1	101	70-130
95-47-6	o-Xylene	10	10.5	105	70-130
1330-20-7	Xylenes (total)	30	30.5	102	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	106%	57-139%

Blank Spike Summary

Job Number: M65503
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSQ195-BS	Q3590A.D	1	06/01/07	PB	n/a	n/a	MSQ195

The QC reported here applies to the following samples: **Method:** TO-15

MSQ195-SCC

(a) Outside control limits. Associated samples are non-detect for this compound.

Blank Spike Summary

Job Number: M65503
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSJ551-BS	J10631A.D	1	06/13/07	DFT	n/a	n/a	MSJ551

The QC reported here applies to the following samples: **Method:** TO-15

MSJ551-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	Limits
67-64-1	Acetone	10	7.7	77	70-130
106-99-0	1,3-Butadiene	10	10.4	104	70-130
71-43-2	Benzene	10	11.7	117	70-130
75-27-4	Bromodichloromethane	10	11.6	116	70-130
75-25-2	Bromoform	10	9.0	90	70-130
74-83-9	Bromomethane	10	10.3	103	70-130
593-60-2	Bromoethene	10	10.7	107	70-130
100-44-7	Benzyl Chloride	10	9.1	91	70-130
75-15-0	Carbon disulfide	10	9.9	99	70-130
108-90-7	Chlorobenzene	10	11.9	119	70-130
75-00-3	Chloroethane	10	11.2	112	70-130
67-66-3	Chloroform	10	10.2	102	70-130
74-87-3	Chloromethane	10	9.9	99	70-130
107-05-1	3-Chloropropene	10	10.7	107	70-130
95-49-8	2-Chlorotoluene	10	9.4	94	70-130
56-23-5	Carbon tetrachloride	10	11.5	115	70-130
110-82-7	Cyclohexane	10	13.5	135* [a]	70-130
75-34-3	1,1-Dichloroethane	10	10.5	105	70-130
75-35-4	1,1-Dichloroethylene	10	10.2	102	70-130
106-93-4	1,2-Dibromoethane	10	11.7	117	70-130
107-06-2	1,2-Dichloroethane	10	9.8	98	70-130
78-87-5	1,2-Dichloropropane	10	11.4	114	70-130
123-91-1	1,4-Dioxane	10	9.8	98	70-130
75-71-8	Dichlorodifluoromethane	10	10.2	102	70-130
124-48-1	Dibromochloromethane	10	11.7	117	70-130
156-60-5	trans-1,2-Dichloroethylene	10	10.8	108	70-130
156-59-2	cis-1,2-Dichloroethylene	10	10.3	103	70-130
10061-01-5	cis-1,3-Dichloropropene	10	9.2	92	70-130
541-73-1	m-Dichlorobenzene	10	8.7	87	70-130
95-50-1	o-Dichlorobenzene	10	8.6	86	70-130
106-46-7	p-Dichlorobenzene	10	8.5	85	70-130
10061-02-6	trans-1,3-Dichloropropene	10	8.4	84	70-130
64-17-5	Ethanol	10	8.6	86	70-130
100-41-4	Ethylbenzene	10	9.3	93	70-130
141-78-6	Ethyl Acetate	10	9.3	93	70-130
622-96-8	4-Ethyltoluene	10	8.6	86	70-130

Blank Spike Summary

Job Number: M65503
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSJ551-BS	J10631A.D	1	06/13/07	DFT	n/a	n/a	MSJ551

The QC reported here applies to the following samples: **Method:** TO-15

MSJ551-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	Limits
76-13-1	Freon 113	10	10.3	103	70-130
76-14-2	Freon 114	10	10.1	101	70-130
142-82-5	Heptane	10	12.8	128	70-130
87-68-3	Hexachlorobutadiene	10	11.3	113	70-130
110-54-3	Hexane	10	8.9	89	70-130
591-78-6	2-Hexanone	10	9.5	95	70-130
67-63-0	Isopropyl Alcohol	10	9.8	98	70-130
75-09-2	Methylene chloride	10	8.9	89	70-130
78-93-3	Methyl ethyl ketone	10	9.7	97	70-130
108-10-1	Methyl Isobutyl Ketone	10	9.9	99	70-130
1634-04-4	Methyl Tert Butyl Ether	10	9.1	91	70-130
115-07-1	Propylene	10	9.5	95	70-130
100-42-5	Styrene	10	10.1	101	70-130
71-55-6	1,1,1-Trichloroethane	10	10.9	109	70-130
79-34-5	1,1,2,2-Tetrachloroethane	10	12.1	121	70-130
79-00-5	1,1,2-Trichloroethane	10	11.4	114	70-130
120-82-1	1,2,4-Trichlorobenzene	10	9.4	94	70-130
95-63-6	1,2,4-Trimethylbenzene	10	8.8	88	70-130
108-67-8	1,3,5-Trimethylbenzene	10	9.2	92	70-130
540-84-1	2,2,4-Trimethylpentane	10	14.9	149* [a]	70-130
75-65-0	Tertiary Butyl Alcohol	10	10.2	102	70-130
127-18-4	Tetrachloroethylene	10	11.5	115	70-130
109-99-9	Tetrahydrofuran	10	9.0	90	70-130
108-88-3	Toluene	10	9.0	90	70-130
79-01-6	Trichloroethylene	10	12.0	120	70-130
75-69-4	Trichlorofluoromethane	10	10.5	105	70-130
75-01-4	Vinyl chloride	10	9.7	97	70-130
108-05-4	Vinyl Acetate	10	8.7	87	70-130
	m,p-Xylene	20	19.2	96	70-130
95-47-6	o-Xylene	10	9.5	95	70-130
1330-20-7	Xylenes (total)	30	28.7	96	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	106%	57-139%

Blank Spike Summary

Job Number: M65503
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSJ551-BS	J10631A.D	1	06/13/07	DFT	n/a	n/a	MSJ551

The QC reported here applies to the following samples: **Method:** TO-15

MSJ551-SCC

(a) Outside control limits. Associated samples are non-detect for this compound.

Duplicate Summary

Job Number: M65503
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
M65503-1DUP	J10777.D	1200	06/26/07	DFT	n/a	n/a	MSJ557
M65503-1	J10773.D	1200	06/26/07	DFT	n/a	n/a	MSJ557
M65503-1	J10775.D	6000	06/26/07	DFT	n/a	n/a	MSJ557

The QC reported here applies to the following samples: **Method:** TO-15

M65503-1, M65503-2

CAS No.	Compound	M65503-1 ppbv	Q	DUP ppbv	Q	RPD	Limits
67-64-1	Acetone	ND		ND		nc	25
106-99-0	1,3-Butadiene	ND		ND		nc	25
71-43-2	Benzene	ND		ND		nc	25
75-27-4	Bromodichloromethane	ND		ND		nc	25
75-25-2	Bromoform	ND		ND		nc	25
74-83-9	Bromomethane	ND		ND		nc	25
593-60-2	Bromoethene	ND		ND		nc	20
100-44-7	Benzyl Chloride	ND		ND		nc	25
75-15-0	Carbon disulfide	ND		ND		nc	25
108-90-7	Chlorobenzene	ND		ND		nc	25
75-00-3	Chloroethane	ND		ND		nc	25
67-66-3	Chloroform	ND		ND		nc	25
74-87-3	Chloromethane	ND		ND		nc	25
107-05-1	3-Chloropropene	ND		ND		nc	25
95-49-8	2-Chlorotoluene	ND		ND		nc	25
56-23-5	Carbon tetrachloride	ND		ND		nc	25
110-82-7	Cyclohexane	ND		ND		nc	25
75-34-3	1,1-Dichloroethane	ND		ND		nc	25
75-35-4	1,1-Dichloroethylene	ND		ND		nc	25
106-93-4	1,2-Dibromoethane	ND		ND		nc	25
107-06-2	1,2-Dichloroethane	ND		ND		nc	25
78-87-5	1,2-Dichloropropane	ND		ND		nc	25
123-91-1	1,4-Dioxane	ND		ND		nc	25
75-71-8	Dichlorodifluoromethane	ND		ND		nc	25
124-48-1	Dibromochloromethane	ND		ND		nc	25
156-60-5	trans-1,2-Dichloroethylene	ND		ND		nc	25
156-59-2	cis-1,2-Dichloroethylene	ND		ND		nc	25
10061-01-5	cis-1,3-Dichloropropene	ND		ND		nc	25
541-73-1	m-Dichlorobenzene	ND		ND		nc	25
95-50-1	o-Dichlorobenzene	ND		ND		nc	25
106-46-7	p-Dichlorobenzene	ND		ND		nc	25
10061-02-6	trans-1,3-Dichloropropene	ND		ND		nc	25
64-17-5	Ethanol	ND		ND		nc	25
100-41-4	Ethylbenzene	ND		ND		nc	25
141-78-6	Ethyl Acetate	ND		ND		nc	25
622-96-8	4-Ethyltoluene	ND		ND		nc	25

Duplicate Summary

Job Number: M65503
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
M65503-1DUP	J10777.D	1200	06/26/07	DFT	n/a	n/a	MSJ557
M65503-1	J10773.D	1200	06/26/07	DFT	n/a	n/a	MSJ557
M65503-1	J10775.D	6000	06/26/07	DFT	n/a	n/a	MSJ557

The QC reported here applies to the following samples: **Method:** TO-15

M65503-1, M65503-2

CAS No.	Compound	M65503-1 ppbv	Q	DUP ppbv	Q	RPD	Limits
76-13-1	Freon 113	ND		ND		nc	25
76-14-2	Freon 114	ND		ND		nc	25
142-82-5	Heptane	ND		ND		nc	25
87-68-3	Hexachlorobutadiene	ND		ND		nc	25
110-54-3	Hexane	ND		ND		nc	25
591-78-6	2-Hexanone	ND		ND		nc	25
67-63-0	Isopropyl Alcohol	ND		ND		nc	25
75-09-2	Methylene chloride	ND		ND		nc	25
78-93-3	Methyl ethyl ketone	ND		ND		nc	25
108-10-1	Methyl Isobutyl Ketone	ND		ND		nc	25
1634-04-4	Methyl Tert Butyl Ether	ND		ND		nc	25
115-07-1	Propylene	ND		ND		nc	25
100-42-5	Styrene	ND		ND		nc	25
71-55-6	1,1,1-Trichloroethane	2340		2160		8	25
79-34-5	1,1,2,2-Tetrachloroethane	ND		ND		nc	25
79-00-5	1,1,2-Trichloroethane	ND		ND		nc	25
120-82-1	1,2,4-Trichlorobenzene	ND		ND		nc	25
95-63-6	1,2,4-Trimethylbenzene	ND		ND		nc	25
108-67-8	1,3,5-Trimethylbenzene	ND		ND		nc	25
540-84-1	2,2,4-Trimethylpentane	ND		ND		nc	25
75-65-0	Tertiary Butyl Alcohol	ND		ND		nc	25
127-18-4	Tetrachloroethylene	51100 [a]		61200	E	18	25
109-99-9	Tetrahydrofuran	ND		ND		nc	25
108-88-3	Toluene	ND		ND		nc	25
79-01-6	Trichloroethylene	1080		915		17	25
75-69-4	Trichlorofluoromethane	ND		ND		nc	25
75-01-4	Vinyl chloride	ND		ND		nc	25
108-05-4	Vinyl Acetate	ND		ND		nc	25
	m,p-Xylene	ND		ND		nc	25
95-47-6	o-Xylene	ND		ND		nc	25
1330-20-7	Xylenes (total)	ND		ND		nc	25

CAS No.	Surrogate Recoveries	DUP	M65503-1	M65503-1	Limits
460-00-4	4-Bromofluorobenzene	87%	80%	76%	57-139%

Duplicate Summary

Job Number: M65503
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
M65503-1DUP	J10777.D	1200	06/26/07	DFT	n/a	n/a	MSJ557
M65503-1	J10773.D	1200	06/26/07	DFT	n/a	n/a	MSJ557
M65503-1	J10775.D	6000	06/26/07	DFT	n/a	n/a	MSJ557

The QC reported here applies to the following samples: **Method:** TO-15

M65503-1, M65503-2

(a) Result is from Run #2.

Summa Cleaning Certification

Job Number: M65503
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSQ190-SCC	Q3496.D	1	05/22/07	PB	n/a	n/a	MSQ190

The QC reported here (Summa M092) applies to the following samples: **Method:** TO-15

Batch CP418 cleaned 05/21/07: M65503-2(M092)

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
67-64-1	Acetone	0.23	0.50	ppbv	J	0.55	1.2	ug/m3
106-99-0	1,3-Butadiene	ND	0.50	ppbv		ND	1.1	ug/m3
71-43-2	Benzene	ND	0.50	ppbv		ND	1.6	ug/m3
75-27-4	Bromodichloromethane	ND	0.50	ppbv		ND	3.3	ug/m3
75-25-2	Bromoform	ND	0.50	ppbv		ND	5.2	ug/m3
74-83-9	Bromomethane	ND	0.50	ppbv		ND	1.9	ug/m3
593-60-2	Bromoethene	ND	0.50	ppbv		ND	2.2	ug/m3
100-44-7	Benzyl Chloride	ND	0.50	ppbv		ND	2.6	ug/m3
75-15-0	Carbon disulfide	ND	0.50	ppbv		ND	1.6	ug/m3
108-90-7	Chlorobenzene	ND	0.50	ppbv		ND	2.3	ug/m3
75-00-3	Chloroethane	ND	0.20	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.50	ppbv		ND	2.4	ug/m3
74-87-3	Chloromethane	ND	0.50	ppbv		ND	1.0	ug/m3
107-05-1	3-Chloropropene	ND	0.50	ppbv		ND	1.6	ug/m3
95-49-8	2-Chlorotoluene	ND	0.50	ppbv		ND	2.6	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.50	ppbv		ND	1.7	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane	ND	0.50	ppbv		ND	3.8	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.50	ppbv		ND	2.3	ug/m3
123-91-1	1,4-Dioxane	ND	0.50	ppbv		ND	1.8	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.50	ppbv		ND	2.5	ug/m3
124-48-1	Dibromochloromethane	ND	0.50	ppbv		ND	4.3	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ppbv		ND	2.3	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.50	ppbv		ND	3.0	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.50	ppbv		ND	3.0	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.50	ppbv		ND	3.0	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ppbv		ND	2.3	ug/m3
64-17-5	Ethanol	ND	0.50	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.50	ppbv		ND	2.2	ug/m3
141-78-6	Ethyl Acetate	ND	0.50	ppbv		ND	1.8	ug/m3
622-96-8	4-Ethyltoluene	ND	0.50	ppbv		ND	2.5	ug/m3

Summa Cleaning Certification

Job Number: M65503
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSQ190-SCC	Q3496.D	1	05/22/07	PB	n/a	n/a	MSQ190

The QC reported here (Summa M092) applies to the following samples: **Method:** TO-15

Batch CP418 cleaned 05/21/07: M65503-2(M092)

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.50	ppbv		ND	3.8	ug/m3
76-14-2	Freon 114	ND	0.50	ppbv		ND	3.5	ug/m3
142-82-5	Heptane	ND	0.50	ppbv		ND	2.0	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.50	ppbv		ND	5.3	ug/m3
110-54-3	Hexane	ND	0.50	ppbv		ND	1.8	ug/m3
591-78-6	2-Hexanone	ND	0.50	ppbv		ND	2.0	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.50	ppbv		ND	1.2	ug/m3
75-09-2	Methylene chloride	ND	0.50	ppbv		ND	1.7	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.50	ppbv		ND	1.5	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.50	ppbv		ND	2.0	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.50	ppbv		ND	1.8	ug/m3
115-07-1	Propylene	ND	0.50	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.50	ppbv		ND	2.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.50	ppbv		ND	3.7	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.50	ppbv		ND	2.5	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.50	ppbv		ND	2.5	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.50	ppbv		ND	2.3	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.50	ppbv		ND	1.5	ug/m3
127-18-4	Tetrachloroethylene	ND	0.20	ppbv		ND	1.4	ug/m3
109-99-9	Tetrahydrofuran	ND	0.50	ppbv		ND	1.5	ug/m3
108-88-3	Toluene	ND	0.50	ppbv		ND	1.9	ug/m3
79-01-6	Trichloroethylene	ND	0.20	ppbv		ND	1.1	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.50	ppbv		ND	2.8	ug/m3
75-01-4	Vinyl chloride	ND	0.20	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.50	ppbv		ND	1.8	ug/m3
	m,p-Xylene	ND	0.50	ppbv		ND	2.2	ug/m3
95-47-6	o-Xylene	ND	0.50	ppbv		ND	2.2	ug/m3
1330-20-7	Xylenes (total)	ND	0.50	ppbv		ND	2.2	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	86%	57-139%

Summa Cleaning Certification

Job Number: M65503
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSQ195-SCC	Q3607.D	1	06/02/07	PB	n/a	n/a	MSQ195

The QC reported here (Summa M074) applies to the following samples: **Method:** TO-15

Batch CP425 cleaned 05/30/07: M65503-1(M074)

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
67-64-1	Acetone	0.33	0.50	ppbv	JB	0.78	1.2	ug/m3
106-99-0	1,3-Butadiene	ND	0.50	ppbv		ND	1.1	ug/m3
71-43-2	Benzene	ND	0.50	ppbv		ND	1.6	ug/m3
75-27-4	Bromodichloromethane	ND	0.50	ppbv		ND	3.3	ug/m3
75-25-2	Bromoform	ND	0.50	ppbv		ND	5.2	ug/m3
74-83-9	Bromomethane	ND	0.50	ppbv		ND	1.9	ug/m3
593-60-2	Bromoethene	ND	0.50	ppbv		ND	2.2	ug/m3
100-44-7	Benzyl Chloride	ND	0.50	ppbv		ND	2.6	ug/m3
75-15-0	Carbon disulfide	ND	0.50	ppbv		ND	1.6	ug/m3
108-90-7	Chlorobenzene	ND	0.50	ppbv		ND	2.3	ug/m3
75-00-3	Chloroethane	ND	0.20	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.50	ppbv		ND	2.4	ug/m3
74-87-3	Chloromethane	ND	0.50	ppbv		ND	1.0	ug/m3
107-05-1	3-Chloropropene	ND	0.50	ppbv		ND	1.6	ug/m3
95-49-8	2-Chlorotoluene	ND	0.50	ppbv		ND	2.6	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.50	ppbv		ND	1.7	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane	ND	0.50	ppbv		ND	3.8	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.50	ppbv		ND	2.3	ug/m3
123-91-1	1,4-Dioxane	ND	0.50	ppbv		ND	1.8	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.50	ppbv		ND	2.5	ug/m3
124-48-1	Dibromochloromethane	ND	0.50	ppbv		ND	4.3	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ppbv		ND	2.3	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.50	ppbv		ND	3.0	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.50	ppbv		ND	3.0	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.50	ppbv		ND	3.0	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ppbv		ND	2.3	ug/m3
64-17-5	Ethanol	ND	0.50	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.50	ppbv		ND	2.2	ug/m3
141-78-6	Ethyl Acetate	ND	0.50	ppbv		ND	1.8	ug/m3
622-96-8	4-Ethyltoluene	ND	0.50	ppbv		ND	2.5	ug/m3

Summa Cleaning Certification

Job Number: M65503
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSQ195-SCC	Q3607.D	1	06/02/07	PB	n/a	n/a	MSQ195

The QC reported here (Summa M074) applies to the following samples: **Method:** TO-15

Batch CP425 cleaned 05/30/07: M65503-1(M074)

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.50	ppbv		ND	3.8	ug/m3
76-14-2	Freon 114	ND	0.50	ppbv		ND	3.5	ug/m3
142-82-5	Heptane	ND	0.50	ppbv		ND	2.0	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.50	ppbv		ND	5.3	ug/m3
110-54-3	Hexane	ND	0.50	ppbv		ND	1.8	ug/m3
591-78-6	2-Hexanone	ND	0.50	ppbv		ND	2.0	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.50	ppbv		ND	1.2	ug/m3
75-09-2	Methylene chloride	ND	0.50	ppbv		ND	1.7	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.50	ppbv		ND	1.5	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.50	ppbv		ND	2.0	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.50	ppbv		ND	1.8	ug/m3
115-07-1	Propylene	ND	0.50	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.50	ppbv		ND	2.1	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.50	ppbv		ND	3.7	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.50	ppbv		ND	2.5	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.50	ppbv		ND	2.5	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.50	ppbv		ND	2.3	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.50	ppbv		ND	1.5	ug/m3
127-18-4	Tetrachloroethylene	ND	0.20	ppbv		ND	1.4	ug/m3
109-99-9	Tetrahydrofuran	ND	0.50	ppbv		ND	1.5	ug/m3
108-88-3	Toluene	ND	0.50	ppbv		ND	1.9	ug/m3
79-01-6	Trichloroethylene	ND	0.20	ppbv		ND	1.1	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.50	ppbv		ND	2.8	ug/m3
75-01-4	Vinyl chloride	ND	0.20	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.50	ppbv		ND	1.8	ug/m3
	m,p-Xylene	ND	0.50	ppbv		ND	2.2	ug/m3
95-47-6	o-Xylene	ND	0.50	ppbv		ND	2.2	ug/m3
1330-20-7	Xylenes (total)	ND	0.50	ppbv		ND	2.2	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	91%	57-139%

Summa Cleaning Certification

Job Number: M65503
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSJ551-SCC	J10642.D	1	06/14/07	DFT	n/a	n/a	MSJ551

The QC reported here (Summa M127) applies to the following samples: **Method:** TO-15

Batch CP431 cleaned 06/11/07: M65503-1(M132), M65503-2(M160)

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
67-64-1	Acetone	ND	0.50	ppbv		ND	1.2	ug/m3
106-99-0	1,3-Butadiene	ND	0.50	ppbv		ND	1.1	ug/m3
71-43-2	Benzene	ND	0.50	ppbv		ND	1.6	ug/m3
75-27-4	Bromodichloromethane	ND	0.50	ppbv		ND	3.3	ug/m3
75-25-2	Bromoform	ND	0.50	ppbv		ND	5.2	ug/m3
74-83-9	Bromomethane	ND	0.50	ppbv		ND	1.9	ug/m3
593-60-2	Bromoethene	ND	0.50	ppbv		ND	2.2	ug/m3
100-44-7	Benzyl Chloride	ND	0.50	ppbv		ND	2.6	ug/m3
75-15-0	Carbon disulfide	ND	0.50	ppbv		ND	1.6	ug/m3
108-90-7	Chlorobenzene	ND	0.50	ppbv		ND	2.3	ug/m3
75-00-3	Chloroethane	ND	0.20	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.50	ppbv		ND	2.4	ug/m3
74-87-3	Chloromethane	ND	0.50	ppbv		ND	1.0	ug/m3
107-05-1	3-Chloropropene	ND	0.50	ppbv		ND	1.6	ug/m3
95-49-8	2-Chlorotoluene	ND	0.50	ppbv		ND	2.6	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.50	ppbv		ND	1.7	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane	ND	0.50	ppbv		ND	3.8	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.50	ppbv		ND	2.3	ug/m3
123-91-1	1,4-Dioxane	ND	0.50	ppbv		ND	1.8	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.50	ppbv		ND	2.5	ug/m3
124-48-1	Dibromochloromethane	ND	0.50	ppbv		ND	4.3	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ppbv		ND	2.3	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.50	ppbv		ND	3.0	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.50	ppbv		ND	3.0	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.50	ppbv		ND	3.0	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ppbv		ND	2.3	ug/m3
64-17-5	Ethanol	ND	0.50	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.50	ppbv		ND	2.2	ug/m3
141-78-6	Ethyl Acetate	ND	0.50	ppbv		ND	1.8	ug/m3
622-96-8	4-Ethyltoluene	ND	0.50	ppbv		ND	2.5	ug/m3

Summa Cleaning Certification

Job Number: M65503
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSJ551-SCC	J10642.D	1	06/14/07	DFT	n/a	n/a	MSJ551

The QC reported here (Summa M127) applies to the following samples: **Method:** TO-15

Batch CP431 cleaned 06/11/07: M65503-1(M132), M65503-2(M160)

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.50	ppbv		ND	3.8	ug/m3
76-14-2	Freon 114	ND	0.50	ppbv		ND	3.5	ug/m3
142-82-5	Heptane	ND	0.50	ppbv		ND	2.0	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.50	ppbv		ND	5.3	ug/m3
110-54-3	Hexane	ND	0.50	ppbv		ND	1.8	ug/m3
591-78-6	2-Hexanone	ND	0.50	ppbv		ND	2.0	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.50	ppbv		ND	1.2	ug/m3
75-09-2	Methylene chloride	ND	0.50	ppbv		ND	1.7	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.50	ppbv		ND	1.5	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.50	ppbv		ND	2.0	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.50	ppbv		ND	1.8	ug/m3
115-07-1	Propylene	ND	0.50	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.50	ppbv		ND	2.1	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.50	ppbv		ND	3.7	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.50	ppbv		ND	2.5	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.50	ppbv		ND	2.5	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.50	ppbv		ND	2.3	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.50	ppbv		ND	1.5	ug/m3
127-18-4	Tetrachloroethylene	ND	0.20	ppbv		ND	1.4	ug/m3
109-99-9	Tetrahydrofuran	ND	0.50	ppbv		ND	1.5	ug/m3
108-88-3	Toluene	ND	0.50	ppbv		ND	1.9	ug/m3
79-01-6	Trichloroethylene	ND	0.20	ppbv		ND	1.1	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.50	ppbv		ND	2.8	ug/m3
75-01-4	Vinyl chloride	ND	0.20	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.50	ppbv		ND	1.8	ug/m3
	m,p-Xylene	ND	0.50	ppbv		ND	2.2	ug/m3
95-47-6	o-Xylene	ND	0.50	ppbv		ND	2.2	ug/m3
1330-20-7	Xylenes (total)	ND	0.50	ppbv		ND	2.2	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	95%	57-139%

Instrument Performance Check (BFB)

Job Number: M65503
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample: MSJ548-BFB
Lab File ID: J10580.D
Instrument ID: GCMSJ
Injection Date: 06/07/07
Injection Time: 09:39

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	48352	18.6		Pass
75	30.0 - 66.0% of mass 95	122221	46.9		Pass
95	Base peak, 100% relative abundance	260629	100.0		Pass
96	5.0 - 9.0% of mass 95	17365	6.7		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 120.0% of mass 95	267626	102.7		Pass
175	4.0 - 9.0% of mass 174	14306	5.5	(5.3) [a]	Pass
176	93.0 - 101.0% of mass 174	257984	99.0	(96.4) [a]	Pass
177	5.0 - 9.0% of mass 176	15568	6.0	(6.0) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSJ548-IC548	J10580.D	06/07/07	09:39	00:00	Initial cal 0.5
MSJ548-IC548	J10581.D	06/07/07	10:30	00:51	Initial cal 0.2
MSJ548-IC548	J10582.D	06/07/07	11:22	01:43	Initial cal 2
MSJ548-IC548	J10583.D	06/07/07	12:16	02:37	Initial cal 5
MSJ548-ICC548	J10584.D	06/07/07	14:01	04:22	Initial cal 10
MSJ548-IC548	J10585.D	06/07/07	14:55	05:16	Initial cal 20
MSJ548-IC548	J10586.D	06/07/07	15:51	06:12	Initial cal 40
MSJ548-ICV548	J10587.D	06/07/07	16:48	07:09	Initial cal verification 10

Instrument Performance Check (BFB)

Job Number: M65503
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample: MSJ551-BFB
Lab File ID: J10631.D
Instrument ID: GCMSJ
Injection Date: 06/13/07
Injection Time: 11:00

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	34298	17.6		Pass
75	30.0 - 66.0% of mass 95	92813	47.6		Pass
95	Base peak, 100% relative abundance	194858	100.0		Pass
96	5.0 - 9.0% of mass 95	13039	6.7		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 120.0% of mass 95	203158	104.3		Pass
175	4.0 - 9.0% of mass 174	9689	5.0	(4.8) [a]	Pass
176	93.0 - 101.0% of mass 174	196824	101.0	(96.9) [a]	Pass
177	5.0 - 9.0% of mass 176	12526	6.4	(6.4) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSJ551-CC548	J10631.D	06/13/07	11:00	00:00	Continuing cal 10
MSJ551-BS	J10631A.D	06/13/07	11:00	00:00	Blank Spike
MSJ551-MB	J10633.D	06/13/07	12:39	01:39	Method Blank
M65474-1DUP	J10638.D	06/13/07	16:43	05:43	Duplicate
M65474-1	J10639.D	06/13/07	17:31	06:31	(used for QC only; not part of job M65503)
ZZZZZZ	J10640.D	06/13/07	18:19	07:19	(unrelated sample)
MSJ551-SCC	J10642.D	06/14/07	10:10	23:10	Summa Cleaning Certification

Instrument Performance Check (BFB)

Job Number: M65503
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample: MSJ557-BFB
Lab File ID: J10757.D
Instrument ID: GCMSJ
Injection Date: 06/25/07
Injection Time: 10:16

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	46130	19.5		Pass
75	30.0 - 66.0% of mass 95	119232	50.5		Pass
95	Base peak, 100% relative abundance	236096	100.0		Pass
96	5.0 - 9.0% of mass 95	16112	6.8		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 120.0% of mass 95	232533	98.5		Pass
175	4.0 - 9.0% of mass 174	13538	5.7	(5.8) [a]	Pass
176	93.0 - 101.0% of mass 174	222378	94.2	(95.6) [a]	Pass
177	5.0 - 9.0% of mass 176	15745	6.7	(7.1) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSJ557-IC557	J10757.D	06/25/07	10:16	00:00	Initial cal 0.5
MSJ557-IC557	J10758.D	06/25/07	11:05	00:49	Initial cal 0.2
MSJ557-IC557	J10760.D	06/25/07	12:42	02:26	Initial cal 40
MSJ557-IC557	J10761.D	06/25/07	13:59	03:43	Initial cal 20
MSJ557-ICC557	J10762.D	06/25/07	14:46	04:30	Initial cal 10
MSJ557-IC557	J10763.D	06/25/07	15:34	05:18	Initial cal 5
MSJ557-IC557	J10765.D	06/25/07	17:14	06:58	Initial cal 2

Instrument Performance Check (BFB)

Job Number: M65503
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample: MSJ557-BFB
Lab File ID: J10768.D
Instrument ID: GCMSJ
Injection Date: 06/26/07
Injection Time: 11:20

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	45008	19.7		Pass
75	30.0 - 66.0% of mass 95	112124	49.0		Pass
95	Base peak, 100% relative abundance	228970	100.0		Pass
96	5.0 - 9.0% of mass 95	15941	7.0		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 120.0% of mass 95	226221	98.8		Pass
175	4.0 - 9.0% of mass 174	12131	5.3	(5.4) [a]	Pass
176	93.0 - 101.0% of mass 174	219696	95.9	(97.1) [a]	Pass
177	5.0 - 9.0% of mass 176	15326	6.7	(7.0) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSJ557-CC557	J10768A.D	06/26/07	11:20	00:00	Continuing cal 10
MSJ557-BS	J10768B.D	06/26/07	11:20	00:00	Blank Spike
MSJ557-ICV557	J10768.D	06/26/07	11:20	00:00	Initial cal verification 10
MSJ557-MB	J10769.D	06/26/07	12:12	00:52	Method Blank
MSJ557-SCC	J10769A.D	06/26/07	12:12	00:52	Summa Cleaning Certification
MSJ557-SCC	J10770.D	06/26/07	13:04	01:44	Summa Cleaning Certification
MSJ557-SCC	J10771.D	06/26/07	13:58	02:38	Summa Cleaning Certification
M65503-1	J10773.D	06/26/07	16:00	04:40	045162-50 TUFT-INF
M65503-2	J10774.D	06/26/07	16:58	05:38	045162-50 TUFT-EFF
M65503-1	J10775.D	06/26/07	17:41	06:21	045162-50 TUFT-INF
M65503-2	J10776.D	06/26/07	18:24	07:04	045162-50 TUFT-EFF
M65503-1DUP	J10777.D	06/26/07	19:23	08:03	Duplicate
ZZZZZZ	J10778.D	06/26/07	20:19	08:59	(unrelated sample)
MSJ557-SCC	J10784.D	06/27/07	01:21	14:01	Summa Cleaning Certification
MSJ557-SCC	J10785.D	06/27/07	02:11	14:51	Summa Cleaning Certification
MSJ557-SCC	J10786.D	06/27/07	03:01	15:41	Summa Cleaning Certification
ZZZZZZ	J10787.D	06/27/07	03:51	16:31	(unrelated sample)
ZZZZZZ	J10788.D	06/27/07	04:42	17:22	(unrelated sample)
MSJ557-SCC	J10790.D	06/27/07	09:01	21:41	Summa Cleaning Certification
ZZZZZZ	J10791.D	06/27/07	09:44	22:24	(unrelated sample)
ZZZZZZ	J10792.D	06/27/07	10:37	23:17	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: M65503
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample: MSQ189-BFB
Lab File ID: Q3474.D
Instrument ID: GCMSQ
Injection Date: 05/21/07
Injection Time: 17:28

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	22954	27.2		Pass
75	30.0 - 66.0% of mass 95	51517	61.1		Pass
95	Base peak, 100% relative abundance	84362	100.0		Pass
96	5.0 - 9.0% of mass 95	6194	7.3		Pass
173	Less than 2.0% of mass 174	333	0.39	(0.53) [a]	Pass
174	50.0 - 120.0% of mass 95	63384	75.1		Pass
175	4.0 - 9.0% of mass 174	4070	4.8	(6.4) [a]	Pass
176	93.0 - 101.0% of mass 174	61098	72.4	(96.4) [a]	Pass
177	5.0 - 9.0% of mass 176	4693	5.6	(7.7) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSQ189-IC189	Q3474.D	05/21/07	17:28	00:00	Initial cal 40
MSQ189-IC189	Q3475.D	05/21/07	18:09	00:41	Initial cal 20
MSQ189-ICC189	Q3476.D	05/21/07	18:52	01:24	Initial cal 10
MSQ189-IC189	Q3477.D	05/21/07	19:34	02:06	Initial cal 5
MSQ189-IC189	Q3478.D	05/21/07	20:17	02:49	Initial cal 2
MSQ189-IC189	Q3479.D	05/21/07	21:00	03:32	Initial cal .5
MSQ189-IC189	Q3480.D	05/21/07	21:43	04:15	Initial cal .2
MSQ189-ICV189	Q3482.D	05/22/07	09:55	16:27	Initial cal verification 10
MSQ189-SCC	Q3483.D	05/22/07	11:26	17:58	Summa Cleaning Certification
MSQ189-SCC	Q3484.D	05/22/07	12:07	18:39	Summa Cleaning Certification
MSQ189-SCC	Q3485.D	05/22/07	12:50	19:22	Summa Cleaning Certification
MSQ189-SCC	Q3486.D	05/22/07	14:26	20:58	Summa Cleaning Certification
MSQ189-SCC	Q3487.D	05/22/07	15:08	21:40	Summa Cleaning Certification
MSQ189-SCC	Q3489.D	05/22/07	16:34	23:06	Summa Cleaning Certification

Instrument Performance Check (BFB)

Job Number: M65503
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample: MSQ190-BFB
Lab File ID: Q3491.D
Instrument ID: GCMSQ
Injection Date: 05/22/07
Injection Time: 18:00

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	21414	27.4		Pass
75	30.0 - 66.0% of mass 95	46502	59.5		Pass
95	Base peak, 100% relative abundance	78124	100.0		Pass
96	5.0 - 9.0% of mass 95	4471	5.7		Pass
173	Less than 2.0% of mass 174	659	0.84	(1.2) [a]	Pass
174	50.0 - 120.0% of mass 95	55470	71.0		Pass
175	4.0 - 9.0% of mass 174	3973	5.1	(7.2) [a]	Pass
176	93.0 - 101.0% of mass 174	55192	70.6	(99.5) [a]	Pass
177	5.0 - 9.0% of mass 176	3057	3.9	(5.5) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSQ190-CC189	Q3491.D	05/22/07	18:00	00:00	Continuing cal 10
MSQ190-BS	Q3491A.D	05/22/07	18:00	00:00	Blank Spike
MSQ190-MB	Q3492.D	05/22/07	18:42	00:42	Method Blank
MSQ190-SCC	Q3492A.D	05/22/07	18:42	00:42	Summa Cleaning Certification
MSQ190-SCC	Q3493.D	05/22/07	19:24	01:24	Summa Cleaning Certification
MSQ190-SCC	Q3494.D	05/22/07	20:07	02:07	Summa Cleaning Certification
MSQ190-SCC	Q3495.D	05/22/07	20:49	02:49	Summa Cleaning Certification
MSQ190-SCC	Q3496.D	05/22/07	21:31	03:31	Summa Cleaning Certification
MSQ190-SCC	Q3497.D	05/22/07	22:14	04:14	Summa Cleaning Certification
MSQ190-SCC	Q3498.D	05/22/07	22:56	04:56	Summa Cleaning Certification
M64940-7	Q3499.D	05/23/07	09:56	15:56	(used for QC only; not part of job M65503)
M64940-7DUP	Q3500.D	05/23/07	10:40	16:40	Duplicate

Instrument Performance Check (BFB)

Job Number: M65503
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample: MSQ193-BFB
Lab File ID: Q3559.D
Instrument ID: GCMSQ
Injection Date: 05/30/07
Injection Time: 11:43

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	35488	39.2		Pass
75	30.0 - 66.0% of mass 95	58832	65.0		Pass
95	Base peak, 100% relative abundance	90552	100.0		Pass
96	5.0 - 9.0% of mass 95	4883	5.4		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 120.0% of mass 95	49120	54.2		Pass
175	4.0 - 9.0% of mass 174	3371	3.7	(6.9) [a]	Pass
176	93.0 - 101.0% of mass 174	47272	52.2	(96.2) [a]	Pass
177	5.0 - 9.0% of mass 176	2966	3.3	(6.3) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSQ193-IC193	Q3559.D	05/30/07	11:43	00:00	Initial cal 5
MSQ193-IC193	Q3560.D	05/30/07	12:25	00:42	Initial cal 2
MSQ193-IC193	Q3561.D	05/30/07	13:09	01:26	Initial cal .5
MSQ193-IC193	Q3562.D	05/30/07	13:51	02:08	Initial cal .2
MSQ193-IC193	Q3563.D	05/30/07	14:34	02:51	Initial cal 40
MSQ193-IC193	Q3564.D	05/30/07	15:27	03:44	Initial cal 20
MSQ193-ICC193	Q3565.D	05/30/07	16:10	04:27	Initial cal 10

Instrument Performance Check (BFB)

Job Number: M65503
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample: MSQ195-BFB
Lab File ID: Q3590.D
Instrument ID: GCMSQ
Injection Date: 06/01/07
Injection Time: 15:56

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	7903	38.9		Pass
75	30.0 - 66.0% of mass 95	12982	63.9		Pass
95	Base peak, 100% relative abundance	20323	100.0		Pass
96	5.0 - 9.0% of mass 95	1688	8.3		Pass
173	Less than 2.0% of mass 174	63	0.31	(0.61) [a]	Pass
174	50.0 - 120.0% of mass 95	10337	50.9		Pass
175	4.0 - 9.0% of mass 174	453	2.2	(4.4) [a]	Pass
176	93.0 - 101.0% of mass 174	9885	48.6	(95.6) [a]	Pass
177	5.0 - 9.0% of mass 176	661	3.3	(6.7) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSQ195-CC193	Q3590.D	06/01/07	15:56	00:00	Continuing cal 10
MSQ195-BS	Q3590A.D	06/01/07	15:56	00:00	Blank Spike
MSQ195-MB	Q3591.D	06/01/07	16:45	00:49	Method Blank
MSQ195-SCC	Q3591A.D	06/01/07	16:45	00:49	Summa Cleaning Certification
ZZZZZZ	Q3592.D	06/01/07	17:29	01:33	(unrelated sample)
M65018-6	Q3593.D	06/01/07	18:12	02:16	(used for QC only; not part of job M65503)
M65018-6DUP	Q3594.D	06/01/07	18:56	03:00	Duplicate
ZZZZZZ	Q3595.D	06/01/07	19:40	03:44	(unrelated sample)
ZZZZZZ	Q3596.D	06/01/07	20:23	04:27	(unrelated sample)
ZZZZZZ	Q3598.D	06/01/07	21:52	05:56	(unrelated sample)
MSQ195-SCC	Q3599.D	06/01/07	22:35	06:39	Summa Cleaning Certification
MSQ195-SCC	Q3600.D	06/01/07	23:19	07:23	Summa Cleaning Certification
MSQ195-SCC	Q3601.D	06/02/07	00:03	08:07	Summa Cleaning Certification
MSQ195-SCC	Q3602.D	06/02/07	00:47	08:51	Summa Cleaning Certification
MSQ195-SCC	Q3603.D	06/02/07	01:30	09:34	Summa Cleaning Certification
MSQ195-SCC	Q3604.D	06/02/07	02:14	10:18	Summa Cleaning Certification
MSQ195-SCC	Q3605.D	06/02/07	02:57	11:01	Summa Cleaning Certification
MSQ195-SCC	Q3606.D	06/02/07	03:40	11:44	Summa Cleaning Certification
MSQ195-SCC	Q3607.D	06/02/07	04:23	12:27	Summa Cleaning Certification

Volatile Internal Standard Area Summary

Job Number: M65503
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Check Std:	MSJ551-CC548	**Injection Date:**	06/13/07
Lab File ID:	J10631.D	**Injection Time:**	11:00
Instrument ID:	GCMSJ	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	358868	8.62	1374210	10.45	1211518	14.67
Upper Limit [a]	502415	8.95	1923894	10.78	1696125	15.00
Lower Limit [b]	215321	8.29	824526	10.12	726911	14.34

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
MSJ551-BS	358868	8.62	1374210	10.45	1211518	14.67
MSJ551-MB	378944	8.63	1502781	10.44	1333451	14.66
M65474-1DUP	593349[c]	8.63	2715158[c]	10.44	2408376[c]	14.68
M65474-1	463376	8.63	1657810	10.44	1405662	14.67
ZZZZZZ	430335	8.63	1617462	10.44	1401809	14.67
MSJ551-SCC	457053	8.61	1901732	10.43	1617026	14.66

IS 1 = Bromochloromethane
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5

(a) Upper Limit = +40% of check standard area; Retention time +0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.
(c) Outside control limits due to possible matrix interference. Confirmed by reanalysis.

Volatile Internal Standard Area Summary

Job Number: M65503
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Check Std:	MSJ557-CC557	**Injection Date:**	06/26/07
Lab File ID:	J10768A.D	**Injection Time:**	11:20
Instrument ID:	GCMSJ	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	405778	8.63	1774169	10.45	1608427	14.68
Upper Limit [a]	568089	8.96	2483837	10.78	2251798	15.01
Lower Limit [b]	243467	8.30	1064501	10.12	965056	14.35

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
MSJ557-BS	405778	8.63	1774169	10.45	1608427	14.68
MSJ557-MB	401721	8.59	1634608	10.41	1502770	14.66
MSJ557-SCC	401721	8.59	1634608	10.41	1502770	14.66
MSJ557-SCC	388083	8.61	1619429	10.42	1481093	14.66
MSJ557-SCC	391826	8.60	1581818	10.42	1475726	14.66
M65503-1	362024	8.56	1551122	10.39	1412283	14.66
M65503-2	369363	8.56	1435455	10.39	1250345	14.65
M65503-1	394104	8.52	1670253	10.35	1392098	14.64
M65503-2	407709	8.51	1683733	10.35	1496495	14.63
M65503-1DUP	423336	8.59	1729953	10.42	1559045	14.66
ZZZZZZ	410224	8.61	1663325	10.43	1625786	14.67
MSJ557-SCC	418154	8.60	1702263	10.42	1548690	14.66
MSJ557-SCC	431490	8.62	1770245	10.44	1623914	14.67
MSJ557-SCC	429418	8.62	1714751	10.43	1554709	14.67
ZZZZZZ	423587	8.62	1749495	10.43	1643870	14.68
ZZZZZZ	317475	8.63	1179809	10.44	1000678	14.68
MSJ557-SCC	427159	8.62	1646626	10.44	1550230	14.67
ZZZZZZ	411132	8.59	1716842	10.41	1539662	14.66
ZZZZZZ	427836	8.61	1813319	10.43	1703627	14.68

IS 1 = Bromochloromethane
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5

(a) Upper Limit = +40% of check standard area; Retention time +0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.

Volatile Internal Standard Area Summary

Job Number: M65503
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Check Std:	MSQ190-CC189	**Injection Date:**	05/22/07
Lab File ID:	Q3491.D	**Injection Time:**	18:00
Instrument ID:	GCMSQ	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	94194	8.43	448405	10.35	370957	14.70
Upper Limit [a]	131872	8.76	627767	10.68	519340	15.03
Lower Limit [b]	56516	8.10	269043	10.02	222574	14.37

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
MSQ190-BS	94194	8.43	448405	10.35	370957	14.70
MSQ190-MB	86791	8.43	366940	10.35	314711	14.69
MSQ190-SCC	86791	8.43	366940	10.35	314711	14.69
MSQ190-SCC	86299	8.43	368059	10.35	318647	14.70
MSQ190-SCC	85986	8.43	359491	10.35	309508	14.70
MSQ190-SCC	82038	8.43	347525	10.35	294330	14.70
MSQ190-SCC	77186	8.42	322980	10.35	277567	14.70
MSQ190-SCC	78336	8.43	322496	10.35	273311	14.69
MSQ190-SCC	75736	8.43	312380	10.35	268456	14.70
M64940-7	74236	8.43	322136	10.35	293490	14.69
M64940-7DUP	70264	8.44	312983	10.35	280624	14.70

IS 1 = Bromochloromethane
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5

(a) Upper Limit = +40% of check standard area; Retention time +0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.

Volatile Internal Standard Area Summary

Job Number: M65503
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Check Std:	MSQ195-CC193	**Injection Date:**	06/01/07
Lab File ID:	Q3590.D	**Injection Time:**	15:56
Instrument ID:	GCMSQ	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	36892	8.43	179283	10.35	152279	14.69
Upper Limit [a]	51649	8.76	250996	10.68	213191	15.02
Lower Limit [b]	22135	8.10	107570	10.02	91367	14.36

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
MSQ195-BS	36892	8.43	179283	10.35	152279	14.69
MSQ195-MB	28317	8.43	132417	10.34	111192	14.70
MSQ195-SCC	28317	8.43	132417	10.34	111192	14.70
ZZZZZZ	31933	8.43	159367	10.35	140093	14.69
M65018-6	24408	8.45	124038	10.36	100603	14.70
M65018-6DUP	31350	8.43	145944	10.35	121518	14.70
ZZZZZZ	28436	8.43	142449	10.35	116678	14.70
ZZZZZZ	30397	8.43	140737	10.35	116847	14.69
ZZZZZZ	27367	8.43	133659	10.35	113987	14.70
MSQ195-SCC	27855	8.43	139491	10.35	120418	14.70
MSQ195-SCC	27175	8.43	134644	10.35	114188	14.69
MSQ195-SCC	26334	8.43	133041	10.35	114073	14.70
MSQ195-SCC	26215	8.43	136969	10.35	114482	14.69
MSQ195-SCC	26763	8.43	133551	10.35	114241	14.70
MSQ195-SCC	27384	8.43	135274	10.35	114092	14.69
MSQ195-SCC	26189	8.43	137746	10.35	116453	14.70
MSQ195-SCC	26499	8.43	132628	10.35	114510	14.69
MSQ195-SCC	25384	8.43	133051	10.35	115450	14.70

IS 1 = Bromochloromethane
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5

(a) Upper Limit = +40% of check standard area; Retention time +0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65503
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ548-IC548	J10580.D	06/07/07 09:39	DFT	0.5	GCMSJ	TO-15	Reporting this level
MSJ548-IC548	J10581.D	06/07/07 10:30	DFT	0.2	GCMSJ	TO-15	
MSJ548-IC548	J10582.D	06/07/07 11:22	DFT	2	GCMSJ	TO-15	
MSJ548-IC548	J10583.D	06/07/07 12:16	DFT	5	GCMSJ	TO-15	
MSJ548-ICC548	J10584.D	06/07/07 14:01	DFT	10	GCMSJ	TO-15	
MSJ548-IC548	J10585.D	06/07/07 14:55	DFT	20	GCMSJ	TO-15	
MSJ548-IC548	J10586.D	06/07/07 15:51	DFT	40	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.69	8.62	0.660	ok	0.658	0.598-0.718
1,3-Butadiene	4.58	8.62	0.531	ok	0.531	0.471-0.591
Benzene	10.12	10.43	0.970	ok	0.969	0.909-1.029
Bromodichloromethane	11.08	10.43	1.062	ok	1.062	1.002-1.122
Bromoform	15.39	14.67	1.049	ok	1.050	0.990-1.110
Bromomethane	4.86	8.62	0.564	ok	0.563	0.503-0.623
Bromoethene	5.38	8.62	0.624	ok	0.624	0.564-0.684
Benzyl Chloride	17.88	14.67	1.219	ok	1.219	1.159-1.279
Carbon disulfide	6.85	8.62	0.795	ok	0.794	0.734-0.854
Chlorobenzene	14.71	14.67	1.003	ok	1.003	0.943-1.063
Chloroethane	5.04	8.62	0.585	ok	0.583	0.523-0.643
Chloroform	8.74	8.62	1.014	ok	1.014	0.954-1.074
Chloromethane	4.24	8.62	0.492	ok	0.491	0.431-0.551
3-Chloropropene	6.67	8.62	0.774	ok	0.772	0.712-0.832
2-Chlorotoluene	16.98	14.67	1.157	ok	1.158	1.098-1.218
Carbon tetrachloride	10.26	8.62	1.190	ok	1.190	1.130-1.250
Cyclohexane	10.37	10.43	0.994	ok	0.993	0.933-1.053
1,1-Dichloroethane	7.65	8.62	0.887	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.43	8.62	0.746	ok	0.745	0.685-0.805
1,2-Dibromoethane	13.56	14.67	0.924	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.45	8.62	1.096	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.89	10.43	1.044	ok	1.044	0.984-1.104
1,4-Dioxane	11.27	10.43	1.081	ok	1.073	1.013-1.133
Dichlorodifluoromethane	4.07	8.62	0.472	ok	0.472	0.412-0.532
Dibromochloromethane	13.32	14.67	0.908	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.46	8.62	0.865	ok	0.865	0.805-0.925
cis-1,2-Dichloroethylene	8.46	8.62	0.981	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.93	10.43	1.144	ok	1.143	1.083-1.203
m-Dichlorobenzene	17.90	14.67	1.220	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.37	14.67	1.252	ok	1.252	1.192-1.312
p-Dichlorobenzene	17.97	14.67	1.225	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.44	10.43	1.193	ok	1.192	1.132-1.252
Ethanol	5.29	8.62	0.614	ok	0.607	0.547-0.667
Ethylbenzene	15.09	14.67	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.71	8.62	1.010	ok	1.010	0.950-1.070
4-Ethyltoluene	17.17	14.67	1.170	ok	1.170	1.110-1.230
Freon 113	6.79	8.62	0.788	ok	0.787	0.727-0.847
Freon 114	4.33	8.62	0.502	ok	0.502	0.442-0.562
Heptane	11.35	10.43	1.088	ok	1.088	1.028-1.148
Hexachlorobutadiene	20.76	14.67	1.415	ok	1.415	1.355-1.475
Hexane	8.63	8.62	1.001	ok	1.001	0.941-1.061

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65503
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ548-IC548	J10580.D	06/07/07 09:39	DFT	0.5	GCMSJ	TO-15	Reporting this level
MSJ548-IC548	J10581.D	06/07/07 10:30	DFT	0.2	GCMSJ	TO-15	
MSJ548-IC548	J10582.D	06/07/07 11:22	DFT	2	GCMSJ	TO-15	
MSJ548-IC548	J10583.D	06/07/07 12:16	DFT	5	GCMSJ	TO-15	
MSJ548-ICC548	J10584.D	06/07/07 14:01	DFT	10	GCMSJ	TO-15	
MSJ548-IC548	J10585.D	06/07/07 14:55	DFT	20	GCMSJ	TO-15	
MSJ548-IC548	J10586.D	06/07/07 15:51	DFT	40	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.20	14.67	0.900	ok	0.899	0.839-0.959
Isopropylbenzene	16.42	14.67	1.119	ok	1.120	1.060-1.180
Isopropyl Alcohol	6.02	8.62	0.698	ok	0.696	0.636-0.756
Methylene chloride	6.56	8.62	0.761	ok	0.759	0.699-0.819
Methyl ethyl ketone	8.11	8.62	0.941	ok	0.938	0.878-0.998
Methyl Isobutyl Ketone	12.02	10.43	1.152	ok	1.151	1.091-1.211
Methyl Tert Butyl Ether	7.77	8.62	0.901	ok	0.899	0.839-0.959
Nonane	15.97	14.67	1.089	ok	1.089	1.029-1.149
Pentane	6.14	8.62	0.712	ok	0.711	0.651-0.771
Propylene	4.01	8.62	0.465	ok	0.464	0.404-0.524
Styrene	15.66	14.67	1.067	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.68	8.62	1.123	ok	1.123	1.063-1.183
1,1,2,2-Tetrachloroethane	15.79	14.67	1.076	ok	1.077	1.017-1.137
1,1,2-Trichloroethane	12.62	10.43	1.210	ok	1.210	1.150-1.270
1,2,4-Trichlorobenzene	20.28	14.67	1.382	ok	1.382	1.322-1.442
1,2,4-Trimethylbenzene	17.72	14.67	1.208	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.25	14.67	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.12	10.43	1.066	ok	1.065	1.005-1.125
Tertiary Butyl Alcohol	6.64	8.62	0.770	ok	0.766	0.706-0.826
Tetrachloroethylene	14.01	14.67	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	9.24	8.62	1.072	ok	1.066	1.006-1.126
Toluene	12.89	10.43	1.236	ok	1.235	1.175-1.295
Trichloroethylene	11.11	10.43	1.065	ok	1.065	1.005-1.125
Trichlorofluoromethane	5.80	8.62	0.673	ok	0.671	0.611-0.731
Vinyl chloride	4.45	8.62	0.516	ok	0.516	0.456-0.576
Vinyl Acetate	7.81	8.62	0.906	ok	0.905	0.845-0.965
m,p-Xylene	15.28	14.67	1.042	ok	1.042	0.982-1.102
o-Xylene	15.78	14.67	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.62	ok	8.62	8.29-8.95	396095	ok	370262	222157-518367
1,4-Difluorobenzene	10.43	ok	10.44	10.11-10.77	1783950	ok	1653951	992371-2315531
Chlorobenzene-D5	14.67	ok	14.67	14.34-15.00	1514383	ok	1465364	879218-2051510

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65503
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ548-IC548	J10580.D	06/07/07 09:39	DFT	0.5	GCMSJ	TO-15	
MSJ548-IC548	J10581.D	06/07/07 10:30	DFT	0.2	GCMSJ	TO-15	Reporting this level
MSJ548-IC548	J10582.D	06/07/07 11:22	DFT	2	GCMSJ	TO-15	
MSJ548-IC548	J10583.D	06/07/07 12:16	DFT	5	GCMSJ	TO-15	
MSJ548-ICC548	J10584.D	06/07/07 14:01	DFT	10	GCMSJ	TO-15	
MSJ548-IC548	J10585.D	06/07/07 14:55	DFT	20	GCMSJ	TO-15	
MSJ548-IC548	J10586.D	06/07/07 15:51	DFT	40	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.72	8.62	0.664	ok	0.658	0.598-0.718
1,3-Butadiene	4.58	8.62	0.531	ok	0.531	0.471-0.591
Benzene	10.12	10.43	0.970	ok	0.969	0.909-1.029
Bromodichloromethane	11.08	10.43	1.062	ok	1.062	1.002-1.122
Bromoform	15.38	14.67	1.048	ok	1.050	0.990-1.110
Bromomethane	4.86	8.62	0.564	ok	0.563	0.503-0.623
Bromoethene	5.38	8.62	0.624	ok	0.624	0.564-0.684
Benzyl Chloride	17.89	14.67	1.219	ok	1.219	1.159-1.279
Carbon disulfide	6.85	8.62	0.795	ok	0.794	0.734-0.854
Chlorobenzene	14.71	14.67	1.003	ok	1.003	0.943-1.063
Chloroethane	5.03	8.62	0.584	ok	0.583	0.523-0.643
Chloroform	8.74	8.62	1.014	ok	1.014	0.954-1.074
Chloromethane	4.24	8.62	0.492	ok	0.491	0.431-0.551
3-Chloropropene	6.67	8.62	0.774	ok	0.772	0.712-0.832
2-Chlorotoluene	16.97	14.67	1.157	ok	1.158	1.098-1.218
Carbon tetrachloride	10.25	8.62	1.189	ok	1.190	1.130-1.250
Cyclohexane	10.37	10.43	0.994	ok	0.993	0.933-1.053
1,1-Dichloroethane	7.66	8.62	0.889	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.43	8.62	0.746	ok	0.745	0.685-0.805
1,2-Dibromoethane	13.57	14.67	0.925	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.45	8.62	1.096	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.89	10.43	1.044	ok	1.044	0.984-1.104
Dichlorodifluoromethane	4.07	8.62	0.472	ok	0.472	0.412-0.532
Dibromochloromethane	13.32	14.67	0.908	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.47	8.62	0.867	ok	0.865	0.805-0.925
cis-1,2-Dichloroethylene	8.45	8.62	0.980	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.93	10.43	1.144	ok	1.143	1.083-1.203
m-Dichlorobenzene	17.90	14.67	1.220	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.36	14.67	1.252	ok	1.252	1.192-1.312
p-Dichlorobenzene	17.98	14.67	1.226	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.43	10.43	1.192	ok	1.192	1.132-1.252
Ethylbenzene	15.09	14.67	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.73	8.62	1.013	ok	1.010	0.950-1.070
4-Ethyltoluene	17.16	14.67	1.170	ok	1.170	1.110-1.230
Freon 113	6.79	8.62	0.788	ok	0.787	0.727-0.847
Freon 114	4.32	8.62	0.501	ok	0.502	0.442-0.562
Heptane	11.35	10.43	1.088	ok	1.088	1.028-1.148
Hexachlorobutadiene	20.76	14.67	1.415	ok	1.415	1.355-1.475
Hexane	8.63	8.62	1.001	ok	1.001	0.941-1.061
2-Hexanone	13.21	14.67	0.900	ok	0.899	0.839-0.959
Isopropylbenzene	16.42	14.67	1.119	ok	1.120	1.060-1.180

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65503
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ548-IC548	J10580.D	06/07/07 09:39	DFT	0.5	GCMSJ	TO-15	
MSJ548-IC548	J10581.D	06/07/07 10:30	DFT	0.2	GCMSJ	TO-15	Reporting this level
MSJ548-IC548	J10582.D	06/07/07 11:22	DFT	2	GCMSJ	TO-15	
MSJ548-IC548	J10583.D	06/07/07 12:16	DFT	5	GCMSJ	TO-15	
MSJ548-ICC548	J10584.D	06/07/07 14:01	DFT	10	GCMSJ	TO-15	
MSJ548-IC548	J10585.D	06/07/07 14:55	DFT	20	GCMSJ	TO-15	
MSJ548-IC548	J10586.D	06/07/07 15:51	DFT	40	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Isopropyl Alcohol	6.07	8.62	0.704	ok	0.696	0.636-0.756
Methylene chloride	6.56	8.62	0.761	ok	0.759	0.699-0.819
Methyl ethyl ketone	8.13	8.62	0.943	ok	0.938	0.878-0.998
Methyl Isobutyl Ketone	12.04	10.43	1.154	ok	1.151	1.091-1.211
Methyl Tert Butyl Ether	7.79	8.62	0.904	ok	0.899	0.839-0.959
Nonane	15.97	14.67	1.089	ok	1.089	1.029-1.149
Pentane	6.13	8.62	0.711	ok	0.711	0.651-0.771
Propylene	4.00	8.62	0.464	ok	0.464	0.404-0.524
Styrene	15.66	14.67	1.067	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.67	8.62	1.122	ok	1.123	1.063-1.183
1,1,2,2-Tetrachloroethane	15.79	14.67	1.076	ok	1.077	1.017-1.137
1,1,2-Trichloroethane	12.62	10.43	1.210	ok	1.210	1.150-1.270
1,2,4-Trichlorobenzene	20.28	14.67	1.382	ok	1.382	1.322-1.442
1,2,4-Trimethylbenzene	17.72	14.67	1.208	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.24	14.67	1.175	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.12	10.43	1.066	ok	1.065	1.005-1.125
Tertiary Butyl Alcohol	6.71	8.62	0.778	ok	0.766	0.706-0.826
Tetrachloroethylene	14.01	14.67	0.955	ok	0.955	0.895-1.015
Toluene	12.89	10.43	1.236	ok	1.235	1.175-1.295
Trichloroethylene	11.11	10.43	1.065	ok	1.065	1.005-1.125
Trichlorofluoromethane	5.79	8.62	0.672	ok	0.671	0.611-0.731
Vinyl chloride	4.44	8.62	0.515	ok	0.516	0.456-0.576
m,p-Xylene	15.28	14.67	1.042	ok	1.042	0.982-1.102
o-Xylene	15.78	14.67	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.62	ok	8.62	8.29-8.95	370872	ok	370262	222157-518367
1,4-Difluorobenzene	10.43	ok	10.44	10.11-10.77	1637674	ok	1653951	992371-2315531
Chlorobenzene-D5	14.67	ok	14.67	14.34-15.00	1332043	ok	1465364	879218-2051510

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65503
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ548-IC548	J10580.D	06/07/07 09:39	DFT	0.5	GCMSJ	TO-15	
MSJ548-IC548	J10581.D	06/07/07 10:30	DFT	0.2	GCMSJ	TO-15	
MSJ548-IC548	J10582.D	06/07/07 11:22	DFT	2	GCMSJ	TO-15	Reporting this level
MSJ548-IC548	J10583.D	06/07/07 12:16	DFT	5	GCMSJ	TO-15	
MSJ548-ICC548	J10584.D	06/07/07 14:01	DFT	10	GCMSJ	TO-15	
MSJ548-IC548	J10585.D	06/07/07 14:55	DFT	20	GCMSJ	TO-15	
MSJ548-IC548	J10586.D	06/07/07 15:51	DFT	40	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.66	8.61	0.657	ok	0.658	0.598-0.718
1,3-Butadiene	4.58	8.61	0.532	ok	0.531	0.471-0.591
Benzene	10.11	10.43	0.969	ok	0.969	0.909-1.029
Bromodichloromethane	11.08	10.43	1.062	ok	1.062	1.002-1.122
Bromoform	15.39	14.66	1.050	ok	1.050	0.990-1.110
Bromomethane	4.85	8.61	0.563	ok	0.563	0.503-0.623
Bromoethene	5.38	8.61	0.625	ok	0.624	0.564-0.684
Benzyl Chloride	17.88	14.66	1.220	ok	1.219	1.159-1.279
Carbon disulfide	6.84	8.61	0.794	ok	0.794	0.734-0.854
Chlorobenzene	14.71	14.66	1.003	ok	1.003	0.943-1.063
Chloroethane	5.02	8.61	0.583	ok	0.583	0.523-0.643
Chloroform	8.73	8.61	1.014	ok	1.014	0.954-1.074
Chloromethane	4.22	8.61	0.490	ok	0.491	0.431-0.551
3-Chloropropene	6.65	8.61	0.772	ok	0.772	0.712-0.832
2-Chlorotoluene	16.98	14.66	1.158	ok	1.158	1.098-1.218
Carbon tetrachloride	10.25	8.61	1.190	ok	1.190	1.130-1.250
Cyclohexane	10.36	10.43	0.993	ok	0.993	0.933-1.053
1,1-Dichloroethane	7.65	8.61	0.889	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.42	8.61	0.746	ok	0.745	0.685-0.805
1,2-Dibromoethane	13.57	14.66	0.926	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.43	8.61	1.095	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.89	10.43	1.044	ok	1.044	0.984-1.104
1,4-Dioxane	11.19	10.43	1.073	ok	1.073	1.013-1.133
Dichlorodifluoromethane	4.06	8.61	0.472	ok	0.472	0.412-0.532
Dibromochloromethane	13.32	14.66	0.909	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.45	8.61	0.865	ok	0.865	0.805-0.925
cis-1,2-Dichloroethylene	8.45	8.61	0.981	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.93	10.43	1.144	ok	1.143	1.083-1.203
m-Dichlorobenzene	17.90	14.66	1.221	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.37	14.66	1.253	ok	1.252	1.192-1.312
p-Dichlorobenzene	17.97	14.66	1.226	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.43	10.43	1.192	ok	1.192	1.132-1.252
Ethanol	5.22	8.61	0.606	ok	0.607	0.547-0.667
Ethylbenzene	15.09	14.66	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.68	8.61	1.008	ok	1.010	0.950-1.070
4-Ethyltoluene	17.16	14.66	1.171	ok	1.170	1.110-1.230
Freon 113	6.78	8.61	0.787	ok	0.787	0.727-0.847
Freon 114	4.32	8.61	0.502	ok	0.502	0.442-0.562
Heptane	11.35	10.43	1.088	ok	1.088	1.028-1.148
Hexachlorobutadiene	20.76	14.66	1.416	ok	1.415	1.355-1.475
Hexane	8.62	8.61	1.001	ok	1.001	0.941-1.061

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65503
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ548-IC548	J10580.D	06/07/07 09:39	DFT	0.5	GCMSJ	TO-15	
MSJ548-IC548	J10581.D	06/07/07 10:30	DFT	0.2	GCMSJ	TO-15	
MSJ548-IC548	J10582.D	06/07/07 11:22	DFT	2	GCMSJ	TO-15	Reporting this level
MSJ548-IC548	J10583.D	06/07/07 12:16	DFT	5	GCMSJ	TO-15	
MSJ548-ICC548	J10584.D	06/07/07 14:01	DFT	10	GCMSJ	TO-15	
MSJ548-IC548	J10585.D	06/07/07 14:55	DFT	20	GCMSJ	TO-15	
MSJ548-IC548	J10586.D	06/07/07 15:51	DFT	40	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.17	14.66	0.898	ok	0.899	0.839-0.959
Isopropylbenzene	16.42	14.66	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.95	8.61	0.691	ok	0.696	0.636-0.756
Methylene chloride	6.54	8.61	0.760	ok	0.759	0.699-0.819
Methyl ethyl ketone	8.07	8.61	0.937	ok	0.938	0.878-0.998
Methyl Isobutyl Ketone	11.99	10.43	1.150	ok	1.151	1.091-1.211
Methyl Tert Butyl Ether	7.73	8.61	0.898	ok	0.899	0.839-0.959
Nonane	15.97	14.66	1.089	ok	1.089	1.029-1.149
Pentane	6.13	8.61	0.712	ok	0.711	0.651-0.771
Propylene	4.00	8.61	0.465	ok	0.464	0.404-0.524
Styrene	15.66	14.66	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.67	8.61	1.123	ok	1.123	1.063-1.183
1,1,2,2-Tetrachloroethane	15.78	14.66	1.076	ok	1.077	1.017-1.137
1,1,2-Trichloroethane	12.61	10.43	1.209	ok	1.210	1.150-1.270
1,2,4-Trichlorobenzene	20.28	14.66	1.383	ok	1.382	1.322-1.442
1,2,4-Trimethylbenzene	17.71	14.66	1.208	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.25	14.66	1.177	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.11	10.43	1.065	ok	1.065	1.005-1.125
Tertiary Butyl Alcohol	6.55	8.61	0.761	ok	0.766	0.706-0.826
Tetrachloroethylene	14.01	14.66	0.956	ok	0.955	0.895-1.015
Tetrahydrofuran	9.19	8.61	1.067	ok	1.066	1.006-1.126
Toluene	12.88	10.43	1.235	ok	1.235	1.175-1.295
Trichloroethylene	11.10	10.43	1.064	ok	1.065	1.005-1.125
Trichlorofluoromethane	5.78	8.61	0.671	ok	0.671	0.611-0.731
Vinyl chloride	4.45	8.61	0.517	ok	0.516	0.456-0.576
Vinyl Acetate	7.79	8.61	0.905	ok	0.905	0.845-0.965
m,p-Xylene	15.27	14.66	1.042	ok	1.042	0.982-1.102
o-Xylene	15.78	14.66	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.61	ok	8.62	8.29-8.95	365236	ok	370262	222157-518367
1,4-Difluorobenzene	10.43	ok	10.44	10.11-10.77	1610084	ok	1653951	992371-2315531
Chlorobenzene-D5	14.66	ok	14.67	14.34-15.00	1440404	ok	1465364	879218-2051510

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65503
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ548-IC548	J10580.D	06/07/07 09:39	DFT	0.5	GCMSJ	TO-15	
MSJ548-IC548	J10581.D	06/07/07 10:30	DFT	0.2	GCMSJ	TO-15	
MSJ548-IC548	J10582.D	06/07/07 11:22	DFT	2	GCMSJ	TO-15	
MSJ548-IC548	J10583.D	06/07/07 12:16	DFT	5	GCMSJ	TO-15	Reporting this level
MSJ548-ICC548	J10584.D	06/07/07 14:01	DFT	10	GCMSJ	TO-15	
MSJ548-IC548	J10585.D	06/07/07 14:55	DFT	20	GCMSJ	TO-15	
MSJ548-IC548	J10586.D	06/07/07 15:51	DFT	40	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.65	8.60	0.657	ok	0.658	0.598-0.718
1,3-Butadiene	4.57	8.60	0.531	ok	0.531	0.471-0.591
Benzene	10.11	10.43	0.969	ok	0.969	0.909-1.029
Bromodichloromethane	11.07	10.43	1.061	ok	1.062	1.002-1.122
Bromoform	15.39	14.67	1.049	ok	1.050	0.990-1.110
Bromomethane	4.85	8.60	0.564	ok	0.563	0.503-0.623
Bromoethene	5.37	8.60	0.624	ok	0.624	0.564-0.684
Benzyl Chloride	17.88	14.67	1.219	ok	1.219	1.159-1.279
Carbon disulfide	6.83	8.60	0.794	ok	0.794	0.734-0.854
Chlorobenzene	14.71	14.67	1.003	ok	1.003	0.943-1.063
Chloroethane	5.01	8.60	0.583	ok	0.583	0.523-0.643
Chloroform	8.73	8.60	1.015	ok	1.014	0.954-1.074
Chloromethane	4.22	8.60	0.491	ok	0.491	0.431-0.551
3-Chloropropene	6.64	8.60	0.772	ok	0.772	0.712-0.832
2-Chlorotoluene	16.97	14.67	1.157	ok	1.158	1.098-1.218
Carbon tetrachloride	10.24	8.60	1.191	ok	1.190	1.130-1.250
Cyclohexane	10.36	10.43	0.993	ok	0.993	0.933-1.053
1,1-Dichloroethane	7.63	8.60	0.887	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.41	8.60	0.745	ok	0.745	0.685-0.805
1,2-Dibromoethane	13.56	14.67	0.924	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.43	8.60	1.097	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.88	10.43	1.043	ok	1.044	0.984-1.104
1,4-Dioxane	11.17	10.43	1.071	ok	1.073	1.013-1.133
Dichlorodifluoromethane	4.06	8.60	0.472	ok	0.472	0.412-0.532
Dibromochloromethane	13.32	14.67	0.908	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.44	8.60	0.865	ok	0.865	0.805-0.925
cis-1,2-Dichloroethylene	8.44	8.60	0.981	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.92	10.43	1.143	ok	1.143	1.083-1.203
m-Dichlorobenzene	17.90	14.67	1.220	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.37	14.67	1.252	ok	1.252	1.192-1.312
p-Dichlorobenzene	17.97	14.67	1.225	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.43	10.43	1.192	ok	1.192	1.132-1.252
Ethanol	5.20	8.60	0.605	ok	0.607	0.547-0.667
Ethylbenzene	15.08	14.67	1.028	ok	1.029	0.969-1.089
Ethyl Acetate	8.68	8.60	1.009	ok	1.010	0.950-1.070
4-Ethyltoluene	17.17	14.67	1.170	ok	1.170	1.110-1.230
Freon 113	6.77	8.60	0.787	ok	0.787	0.727-0.847
Freon 114	4.31	8.60	0.501	ok	0.502	0.442-0.562
Heptane	11.35	10.43	1.088	ok	1.088	1.028-1.148
Hexachlorobutadiene	20.76	14.67	1.415	ok	1.415	1.355-1.475
Hexane	8.61	8.60	1.001	ok	1.001	0.941-1.061

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65503
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ548-IC548	J10580.D	06/07/07 09:39	DFT	0.5	GCMSJ	TO-15	
MSJ548-IC548	J10581.D	06/07/07 10:30	DFT	0.2	GCMSJ	TO-15	
MSJ548-IC548	J10582.D	06/07/07 11:22	DFT	2	GCMSJ	TO-15	
MSJ548-IC548	J10583.D	06/07/07 12:16	DFT	5	GCMSJ	TO-15	Reporting this level
MSJ548-ICC548	J10584.D	06/07/07 14:01	DFT	10	GCMSJ	TO-15	
MSJ548-IC548	J10585.D	06/07/07 14:55	DFT	20	GCMSJ	TO-15	
MSJ548-IC548	J10586.D	06/07/07 15:51	DFT	40	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.16	14.67	0.897	ok	0.899	0.839-0.959
Isopropylbenzene	16.42	14.67	1.119	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.93	8.60	0.690	ok	0.696	0.636-0.756
Methylene chloride	6.53	8.60	0.759	ok	0.759	0.699-0.819
Methyl ethyl ketone	8.06	8.60	0.937	ok	0.938	0.878-0.998
Methyl Isobutyl Ketone	11.98	10.43	1.149	ok	1.151	1.091-1.211
Methyl Tert Butyl Ether	7.72	8.60	0.898	ok	0.899	0.839-0.959
Nonane	15.97	14.67	1.089	ok	1.089	1.029-1.149
Pentane	6.12	8.60	0.712	ok	0.711	0.651-0.771
Propylene	4.00	8.60	0.465	ok	0.464	0.404-0.524
Styrene	15.66	14.67	1.067	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.67	8.60	1.124	ok	1.123	1.063-1.183
1,1,2,2-Tetrachloroethane	15.78	14.67	1.076	ok	1.077	1.017-1.137
1,1,2-Trichloroethane	12.61	10.43	1.209	ok	1.210	1.150-1.270
1,2,4-Trichlorobenzene	20.27	14.67	1.382	ok	1.382	1.322-1.442
1,2,4-Trimethylbenzene	17.72	14.67	1.208	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.25	14.67	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.11	10.43	1.065	ok	1.065	1.005-1.125
Tertiary Butyl Alcohol	6.53	8.60	0.759	ok	0.766	0.706-0.826
Tetrachloroethylene	14.00	14.67	0.954	ok	0.955	0.895-1.015
Tetrahydrofuran	9.17	8.60	1.066	ok	1.066	1.006-1.126
Toluene	12.88	10.43	1.235	ok	1.235	1.175-1.295
Trichloroethylene	11.10	10.43	1.064	ok	1.065	1.005-1.125
Trichlorofluoromethane	5.78	8.60	0.672	ok	0.671	0.611-0.731
Vinyl chloride	4.44	8.60	0.516	ok	0.516	0.456-0.576
Vinyl Acetate	7.78	8.60	0.905	ok	0.905	0.845-0.965
m,p-Xylene	15.26	14.67	1.040	ok	1.042	0.982-1.102
o-Xylene	15.78	14.67	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.60	ok	8.62	8.29-8.95	382768	ok	370262	222157-518367
1,4-Difluorobenzene	10.43	ok	10.44	10.11-10.77	1702002	ok	1653951	992371-2315531
Chlorobenzene-D5	14.67	ok	14.67	14.34-15.00	1469534	ok	1465364	879218-2051510

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65503
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ548-IC548	J10580.D	06/07/07 09:39	DFT	0.5	GCMSJ	TO-15	
MSJ548-IC548	J10581.D	06/07/07 10:30	DFT	0.2	GCMSJ	TO-15	
MSJ548-IC548	J10582.D	06/07/07 11:22	DFT	2	GCMSJ	TO-15	
MSJ548-IC548	J10583.D	06/07/07 12:16	DFT	5	GCMSJ	TO-15	
MSJ548-ICC548	J10584.D	06/07/07 14:01	DFT	10	GCMSJ	TO-15	Reporting this level
MSJ548-IC548	J10585.D	06/07/07 14:55	DFT	20	GCMSJ	TO-15	
MSJ548-IC548	J10586.D	06/07/07 15:51	DFT	40	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.66	8.62	0.657	ok	0.658	0.598-0.718
1,3-Butadiene	4.59	8.62	0.532	ok	0.531	0.471-0.591
Benzene	10.12	10.44	0.969	ok	0.969	0.909-1.029
Bromodichloromethane	11.09	10.44	1.062	ok	1.062	1.002-1.122
Bromoform	15.41	14.68	1.050	ok	1.050	0.990-1.110
Bromomethane	4.86	8.62	0.564	ok	0.563	0.503-0.623
Bromoethene	5.39	8.62	0.625	ok	0.624	0.564-0.684
Benzyl Chloride	17.89	14.68	1.219	ok	1.219	1.159-1.279
Carbon disulfide	6.84	8.62	0.794	ok	0.794	0.734-0.854
Chlorobenzene	14.72	14.68	1.003	ok	1.003	0.943-1.063
Chloroethane	5.03	8.62	0.584	ok	0.583	0.523-0.643
Chloroform	8.74	8.62	1.014	ok	1.014	0.954-1.074
Chloromethane	4.24	8.62	0.492	ok	0.491	0.431-0.551
3-Chloropropene	6.66	8.62	0.773	ok	0.772	0.712-0.832
2-Chlorotoluene	16.99	14.68	1.157	ok	1.158	1.098-1.218
Carbon tetrachloride	10.25	8.62	1.189	ok	1.190	1.130-1.250
Cyclohexane	10.37	10.44	0.993	ok	0.993	0.933-1.053
1,1-Dichloroethane	7.65	8.62	0.887	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.42	8.62	0.745	ok	0.745	0.685-0.805
1,2-Dibromoethane	13.58	14.68	0.925	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.45	8.62	1.096	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.90	10.44	1.044	ok	1.044	0.984-1.104
1,4-Dioxane	11.19	10.44	1.072	ok	1.073	1.013-1.133
Dichlorodifluoromethane	4.08	8.62	0.473	ok	0.472	0.412-0.532
Dibromochloromethane	13.34	14.68	0.909	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.45	8.62	0.864	ok	0.865	0.805-0.925
cis-1,2-Dichloroethylene	8.46	8.62	0.981	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.94	10.44	1.144	ok	1.143	1.083-1.203
m-Dichlorobenzene	17.91	14.68	1.220	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.38	14.68	1.252	ok	1.252	1.192-1.312
p-Dichlorobenzene	17.99	14.68	1.225	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.45	10.44	1.193	ok	1.192	1.132-1.252
Ethanol	5.24	8.62	0.608	ok	0.607	0.547-0.667
Ethylbenzene	15.10	14.68	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.70	8.62	1.009	ok	1.010	0.950-1.070
4-Ethyltoluene	17.18	14.68	1.170	ok	1.170	1.110-1.230
Freon 113	6.79	8.62	0.788	ok	0.787	0.727-0.847
Freon 114	4.33	8.62	0.502	ok	0.502	0.442-0.562
Heptane	11.36	10.44	1.088	ok	1.088	1.028-1.148
Hexachlorobutadiene	20.76	14.68	1.414	ok	1.415	1.355-1.475
Hexane	8.63	8.62	1.001	ok	1.001	0.941-1.061

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65503
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ548-IC548	J10580.D	06/07/07 09:39	DFT	0.5	GCMSJ	TO-15	
MSJ548-IC548	J10581.D	06/07/07 10:30	DFT	0.2	GCMSJ	TO-15	
MSJ548-IC548	J10582.D	06/07/07 11:22	DFT	2	GCMSJ	TO-15	
MSJ548-IC548	J10583.D	06/07/07 12:16	DFT	5	GCMSJ	TO-15	
MSJ548-ICC548	J10584.D	06/07/07 14:01	DFT	10	GCMSJ	TO-15	Reporting this level
MSJ548-IC548	J10585.D	06/07/07 14:55	DFT	20	GCMSJ	TO-15	
MSJ548-IC548	J10586.D	06/07/07 15:51	DFT	40	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.18	14.68	0.898	ok	0.899	0.839-0.959
Isopropylbenzene	16.44	14.68	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.99	8.62	0.695	ok	0.696	0.636-0.756
Methylene chloride	6.54	8.62	0.759	ok	0.759	0.699-0.819
Methyl ethyl ketone	8.08	8.62	0.937	ok	0.938	0.878-0.998
Methyl Isobutyl Ketone	12.01	10.44	1.150	ok	1.151	1.091-1.211
Methyl Tert Butyl Ether	7.73	8.62	0.897	ok	0.899	0.839-0.959
Nonane	15.98	14.68	1.089	ok	1.089	1.029-1.149
Pentane	6.13	8.62	0.711	ok	0.711	0.651-0.771
Propylene	4.00	8.62	0.464	ok	0.464	0.404-0.524
Styrene	15.68	14.68	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.68	8.62	1.123	ok	1.123	1.063-1.183
1,1,2,2-Tetrachloroethane	15.81	14.68	1.077	ok	1.077	1.017-1.137
1,1,2-Trichloroethane	12.63	10.44	1.210	ok	1.210	1.150-1.270
1,2,4-Trichlorobenzene	20.27	14.68	1.381	ok	1.382	1.322-1.442
1,2,4-Trimethylbenzene	17.73	14.68	1.208	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.26	14.68	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.12	10.44	1.065	ok	1.065	1.005-1.125
Tertiary Butyl Alcohol	6.58	8.62	0.763	ok	0.766	0.706-0.826
Tetrachloroethylene	14.02	14.68	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	9.18	8.62	1.065	ok	1.066	1.006-1.126
Toluene	12.89	10.44	1.235	ok	1.235	1.175-1.295
Trichloroethylene	11.12	10.44	1.065	ok	1.065	1.005-1.125
Trichlorofluoromethane	5.79	8.62	0.672	ok	0.671	0.611-0.731
Vinyl chloride	4.46	8.62	0.517	ok	0.516	0.456-0.576
Vinyl Acetate	7.80	8.62	0.905	ok	0.905	0.845-0.965
m,p-Xylene	15.29	14.68	1.042	ok	1.042	0.982-1.102
o-Xylene	15.79	14.68	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.62	ok	8.62	8.29-8.95	335391	ok	370262	222157-518367
1,4-Difluorobenzene	10.44	ok	10.44	10.11-10.77	1562152	ok	1653951	992371-2315531
Chlorobenzene-D5	14.68	ok	14.67	14.34-15.00	1446956	ok	1465364	879218-2051510

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65503
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ548-IC548	J10580.D	06/07/07 09:39	DFT	0.5	GCMSJ	TO-15	
MSJ548-IC548	J10581.D	06/07/07 10:30	DFT	0.2	GCMSJ	TO-15	
MSJ548-IC548	J10582.D	06/07/07 11:22	DFT	2	GCMSJ	TO-15	
MSJ548-IC548	J10583.D	06/07/07 12:16	DFT	5	GCMSJ	TO-15	
MSJ548-ICC548	J10584.D	06/07/07 14:01	DFT	10	GCMSJ	TO-15	
MSJ548-IC548	J10585.D	06/07/07 14:55	DFT	20	GCMSJ	TO-15	Reporting this level
MSJ548-IC548	J10586.D	06/07/07 15:51	DFT	40	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.65	8.62	0.655	ok	0.658	0.598-0.718
1,3-Butadiene	4.58	8.62	0.531	ok	0.531	0.471-0.591
Benzene	10.12	10.45	0.968	ok	0.969	0.909-1.029
Bromodichloromethane	11.10	10.45	1.062	ok	1.062	1.002-1.122
Bromoform	15.42	14.68	1.050	ok	1.050	0.990-1.110
Bromomethane	4.85	8.62	0.563	ok	0.563	0.503-0.623
Bromoethene	5.38	8.62	0.624	ok	0.624	0.564-0.684
Benzyl Chloride	17.90	14.68	1.219	ok	1.219	1.159-1.279
Carbon disulfide	6.84	8.62	0.794	ok	0.794	0.734-0.854
Chlorobenzene	14.73	14.68	1.003	ok	1.003	0.943-1.063
Chloroethane	5.02	8.62	0.582	ok	0.583	0.523-0.643
Chloroform	8.75	8.62	1.015	ok	1.014	0.954-1.074
Chloromethane	4.23	8.62	0.491	ok	0.491	0.431-0.551
3-Chloropropene	6.65	8.62	0.771	ok	0.772	0.712-0.832
2-Chlorotoluene	17.00	14.68	1.158	ok	1.158	1.098-1.218
Carbon tetrachloride	10.25	8.62	1.189	ok	1.190	1.130-1.250
Cyclohexane	10.36	10.45	0.991	ok	0.993	0.933-1.053
1,1-Dichloroethane	7.65	8.62	0.887	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.41	8.62	0.744	ok	0.745	0.685-0.805
1,2-Dibromoethane	13.59	14.68	0.926	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.46	8.62	1.097	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.90	10.45	1.043	ok	1.044	0.984-1.104
1,4-Dioxane	11.18	10.45	1.070	ok	1.073	1.013-1.133
Dichlorodifluoromethane	4.07	8.62	0.472	ok	0.472	0.412-0.532
Dibromochloromethane	13.34	14.68	0.909	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.44	8.62	0.863	ok	0.865	0.805-0.925
cis-1,2-Dichloroethylene	8.45	8.62	0.980	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.94	10.45	1.143	ok	1.143	1.083-1.203
m-Dichlorobenzene	17.92	14.68	1.221	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.38	14.68	1.252	ok	1.252	1.192-1.312
p-Dichlorobenzene	17.99	14.68	1.225	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.46	10.45	1.192	ok	1.192	1.132-1.252
Ethanol	5.23	8.62	0.607	ok	0.607	0.547-0.667
Ethylbenzene	15.10	14.68	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.70	8.62	1.009	ok	1.010	0.950-1.070
4-Ethyltoluene	17.18	14.68	1.170	ok	1.170	1.110-1.230
Freon 113	6.78	8.62	0.787	ok	0.787	0.727-0.847
Freon 114	4.33	8.62	0.502	ok	0.502	0.442-0.562
Heptane	11.36	10.45	1.087	ok	1.088	1.028-1.148
Hexachlorobutadiene	20.76	14.68	1.414	ok	1.415	1.355-1.475
Hexane	8.62	8.62	1.000	ok	1.001	0.941-1.061

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65503
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ548-IC548	J10580.D	06/07/07 09:39	DFT	0.5	GCMSJ	TO-15	
MSJ548-IC548	J10581.D	06/07/07 10:30	DFT	0.2	GCMSJ	TO-15	
MSJ548-IC548	J10582.D	06/07/07 11:22	DFT	2	GCMSJ	TO-15	
MSJ548-IC548	J10583.D	06/07/07 12:16	DFT	5	GCMSJ	TO-15	
MSJ548-ICC548	J10584.D	06/07/07 14:01	DFT	10	GCMSJ	TO-15	
MSJ548-IC548	J10585.D	06/07/07 14:55	DFT	20	GCMSJ	TO-15	Reporting this level
MSJ548-IC548	J10586.D	06/07/07 15:51	DFT	40	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.19	14.68	0.899	ok	0.899	0.839-0.959
Isopropylbenzene	16.44	14.68	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	6.01	8.62	0.697	ok	0.696	0.636-0.756
Methylene chloride	6.54	8.62	0.759	ok	0.759	0.699-0.819
Methyl ethyl ketone	8.08	8.62	0.937	ok	0.938	0.878-0.998
Methyl Isobutyl Ketone	12.02	10.45	1.150	ok	1.151	1.091-1.211
Methyl Tert Butyl Ether	7.73	8.62	0.897	ok	0.899	0.839-0.959
Nonane	15.98	14.68	1.089	ok	1.089	1.029-1.149
Pentane	6.12	8.62	0.710	ok	0.711	0.651-0.771
Propylene	4.00	8.62	0.464	ok	0.464	0.404-0.524
Styrene	15.69	14.68	1.069	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.68	8.62	1.123	ok	1.123	1.063-1.183
1,1,2,2-Tetrachloroethane	15.82	14.68	1.078	ok	1.077	1.017-1.137
1,1,2-Trichloroethane	12.64	10.45	1.210	ok	1.210	1.150-1.270
1,2,4-Trichlorobenzene	20.27	14.68	1.381	ok	1.382	1.322-1.442
1,2,4-Trimethylbenzene	17.73	14.68	1.208	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.27	14.68	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.12	10.45	1.064	ok	1.065	1.005-1.125
Tertiary Butyl Alcohol	6.60	8.62	0.766	ok	0.766	0.706-0.826
Tetrachloroethylene	14.02	14.68	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	9.17	8.62	1.064	ok	1.066	1.006-1.126
Toluene	12.90	10.45	1.234	ok	1.235	1.175-1.295
Trichloroethylene	11.12	10.45	1.064	ok	1.065	1.005-1.125
Trichlorofluoromethane	5.78	8.62	0.671	ok	0.671	0.611-0.731
Vinyl chloride	4.45	8.62	0.516	ok	0.516	0.456-0.576
Vinyl Acetate	7.80	8.62	0.905	ok	0.905	0.845-0.965
m,p-Xylene	15.30	14.68	1.042	ok	1.042	0.982-1.102
o-Xylene	15.80	14.68	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.62	ok	8.62	8.29-8.95	371158	ok	370262	222157-518367
1,4-Difluorobenzene	10.45	ok	10.44	10.11-10.77	1632139	ok	1653951	992371-2315531
Chlorobenzene-D5	14.68	ok	14.67	14.34-15.00	1523938	ok	1465364	879218-2051510

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65503
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ548-IC548	J10580.D	06/07/07 09:39	DFT	0.5	GCMSJ	TO-15	
MSJ548-IC548	J10581.D	06/07/07 10:30	DFT	0.2	GCMSJ	TO-15	
MSJ548-IC548	J10582.D	06/07/07 11:22	DFT	2	GCMSJ	TO-15	
MSJ548-IC548	J10583.D	06/07/07 12:16	DFT	5	GCMSJ	TO-15	
MSJ548-ICC548	J10584.D	06/07/07 14:01	DFT	10	GCMSJ	TO-15	
MSJ548-IC548	J10585.D	06/07/07 14:55	DFT	20	GCMSJ	TO-15	
MSJ548-IC548	J10586.D	06/07/07 15:51	DFT	40	GCMSJ	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.64	8.62	0.654	ok	0.658	0.598-0.718
1,3-Butadiene	4.57	8.62	0.530	ok	0.531	0.471-0.591
Benzene	10.12	10.45	0.968	ok	0.969	0.909-1.029
Bromodichloromethane	11.10	10.45	1.062	ok	1.062	1.002-1.122
Bromoform	15.43	14.68	1.051	ok	1.050	0.990-1.110
Bromomethane	4.85	8.62	0.563	ok	0.563	0.503-0.623
Bromoethene	5.37	8.62	0.623	ok	0.624	0.564-0.684
Benzyl Chloride	17.90	14.68	1.219	ok	1.219	1.159-1.279
Carbon disulfide	6.83	8.62	0.792	ok	0.794	0.734-0.854
Chlorobenzene	14.73	14.68	1.003	ok	1.003	0.943-1.063
Chloroethane	5.01	8.62	0.581	ok	0.583	0.523-0.643
Chloroform	8.74	8.62	1.014	ok	1.014	0.954-1.074
Chloromethane	4.22	8.62	0.490	ok	0.491	0.431-0.551
3-Chloropropene	6.64	8.62	0.770	ok	0.772	0.712-0.832
2-Chlorotoluene	17.00	14.68	1.158	ok	1.158	1.098-1.218
Carbon tetrachloride	10.25	8.62	1.189	ok	1.190	1.130-1.250
Cyclohexane	10.36	10.45	0.991	ok	0.993	0.933-1.053
1,1-Dichloroethane	7.64	8.62	0.886	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.40	8.62	0.742	ok	0.745	0.685-0.805
1,2-Dibromoethane	13.59	14.68	0.926	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.45	8.62	1.096	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.90	10.45	1.043	ok	1.044	0.984-1.104
1,4-Dioxane	11.18	10.45	1.070	ok	1.073	1.013-1.133
Dichlorodifluoromethane	4.06	8.62	0.471	ok	0.472	0.412-0.532
Dibromochloromethane	13.35	14.68	0.909	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.44	8.62	0.863	ok	0.865	0.805-0.925
cis-1,2-Dichloroethylene	8.45	8.62	0.980	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.95	10.45	1.144	ok	1.143	1.083-1.203
m-Dichlorobenzene	17.92	14.68	1.221	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.38	14.68	1.252	ok	1.252	1.192-1.312
p-Dichlorobenzene	18.00	14.68	1.226	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.46	10.45	1.192	ok	1.192	1.132-1.252
Ethanol	5.21	8.62	0.604	ok	0.607	0.547-0.667
Ethylbenzene	15.11	14.68	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.69	8.62	1.008	ok	1.010	0.950-1.070
4-Ethyltoluene	17.18	14.68	1.170	ok	1.170	1.110-1.230
Freon 113	6.77	8.62	0.785	ok	0.787	0.727-0.847
Freon 114	4.32	8.62	0.501	ok	0.502	0.442-0.562
Heptane	11.36	10.45	1.087	ok	1.088	1.028-1.148
Hexachlorobutadiene	20.76	14.68	1.414	ok	1.415	1.355-1.475
Hexane	8.62	8.62	1.000	ok	1.001	0.941-1.061

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65503
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ548-IC548	J10580.D	06/07/07 09:39	DFT	0.5	GCMSJ	TO-15	
MSJ548-IC548	J10581.D	06/07/07 10:30	DFT	0.2	GCMSJ	TO-15	
MSJ548-IC548	J10582.D	06/07/07 11:22	DFT	2	GCMSJ	TO-15	
MSJ548-IC548	J10583.D	06/07/07 12:16	DFT	5	GCMSJ	TO-15	
MSJ548-ICC548	J10584.D	06/07/07 14:01	DFT	10	GCMSJ	TO-15	
MSJ548-IC548	J10585.D	06/07/07 14:55	DFT	20	GCMSJ	TO-15	
MSJ548-IC548	J10586.D	06/07/07 15:51	DFT	40	GCMSJ	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.18	14.68	0.898	ok	0.899	0.839-0.959
Isopropylbenzene	16.44	14.68	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.99	8.62	0.695	ok	0.696	0.636-0.756
Methylene chloride	6.53	8.62	0.758	ok	0.759	0.699-0.819
Methyl ethyl ketone	8.07	8.62	0.936	ok	0.938	0.878-0.998
Methyl Isobutyl Ketone	12.01	10.45	1.149	ok	1.151	1.091-1.211
Methyl Tert Butyl Ether	7.72	8.62	0.896	ok	0.899	0.839-0.959
Nonane	15.98	14.68	1.089	ok	1.089	1.029-1.149
Pentane	6.12	8.62	0.710	ok	0.711	0.651-0.771
Propylene	3.99	8.62	0.463	ok	0.464	0.404-0.524
Styrene	15.69	14.68	1.069	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.68	8.62	1.123	ok	1.123	1.063-1.183
1,1,2,2-Tetrachloroethane	15.82	14.68	1.078	ok	1.077	1.017-1.137
1,1,2-Trichloroethane	12.64	10.45	1.210	ok	1.210	1.150-1.270
1,2,4-Trichlorobenzene	20.27	14.68	1.381	ok	1.382	1.322-1.442
1,2,4-Trimethylbenzene	17.74	14.68	1.208	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.27	14.68	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.12	10.45	1.064	ok	1.065	1.005-1.125
Tertiary Butyl Alcohol	6.58	8.62	0.763	ok	0.766	0.706-0.826
Tetrachloroethylene	14.02	14.68	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	9.16	8.62	1.063	ok	1.066	1.006-1.126
Toluene	12.90	10.45	1.234	ok	1.235	1.175-1.295
Trichloroethylene	11.12	10.45	1.064	ok	1.065	1.005-1.125
Trichlorofluoromethane	5.77	8.62	0.669	ok	0.671	0.611-0.731
Vinyl chloride	4.44	8.62	0.515	ok	0.516	0.456-0.576
Vinyl Acetate	7.79	8.62	0.904	ok	0.905	0.845-0.965
m,p-Xylene	15.30	14.68	1.042	ok	1.042	0.982-1.102
o-Xylene	15.80	14.68	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.62	ok	8.62	8.29-8.95	370314	ok	370262	222157-518367
1,4-Difluorobenzene	10.45	ok	10.44	10.11-10.77	1649653	ok	1653951	992371-2315531
Chlorobenzene-D5	14.68	ok	14.67	14.34-15.00	1530293	ok	1465364	879218-2051510

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65503
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ557-IC557	J10757.D	06/25/07 10:16	DFT	0.5	GCMSJ	TO-15	Reporting this level
MSJ557-IC557	J10758.D	06/25/07 11:05	DFT	0.2	GCMSJ	TO-15	
MSJ557-IC557	J10760.D	06/25/07 12:42	DFT	40	GCMSJ	TO-15	
MSJ557-IC557	J10761.D	06/25/07 13:59	DFT	20	GCMSJ	TO-15	
MSJ557-ICC557	J10762.D	06/25/07 14:46	DFT	10	GCMSJ	TO-15	
MSJ557-IC557	J10763.D	06/25/07 15:34	DFT	5	GCMSJ	TO-15	
MSJ557-IC557	J10765.D	06/25/07 17:14	DFT	2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.68	8.62	0.659	ok	0.657	0.597-0.717
1,3-Butadiene	4.59	8.62	0.532	ok	0.532	0.472-0.592
Benzene	10.12	10.44	0.969	ok	0.969	0.909-1.029
Bromodichloromethane	11.08	10.44	1.061	ok	1.062	1.002-1.122
Bromoform	15.39	14.67	1.049	ok	1.050	0.990-1.110
Bromomethane	4.86	8.62	0.564	ok	0.564	0.504-0.624
Bromoethene	5.40	8.62	0.626	ok	0.624	0.564-0.684
Benzyl Chloride	17.89	14.67	1.219	ok	1.219	1.159-1.279
Carbon disulfide	6.85	8.62	0.795	ok	0.794	0.734-0.854
Chlorobenzene	14.71	14.67	1.003	ok	1.003	0.943-1.063
Chloroethane	5.04	8.62	0.585	ok	0.583	0.523-0.643
Chloroform	8.74	8.62	1.014	ok	1.014	0.954-1.074
Chloromethane	4.23	8.62	0.491	ok	0.491	0.431-0.551
3-Chloropropene	6.66	8.62	0.773	ok	0.772	0.712-0.832
2-Chlorotoluene	16.97	14.67	1.157	ok	1.157	1.097-1.217
Carbon tetrachloride	10.26	8.62	1.190	ok	1.189	1.129-1.249
Cyclohexane	10.37	10.44	0.993	ok	0.993	0.933-1.053
1,1-Dichloroethane	7.65	8.62	0.887	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.43	8.62	0.746	ok	0.745	0.685-0.805
1,2-Dibromoethane	13.57	14.67	0.925	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.45	8.62	1.096	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.90	10.44	1.044	ok	1.044	0.984-1.104
1,4-Dioxane	11.25	10.44	1.078	ok	1.072	1.012-1.132
Dichlorodifluoromethane	4.07	8.62	0.472	ok	0.472	0.412-0.532
Dibromochloromethane	13.32	14.67	0.908	ok	0.909	0.849-0.969
trans-1,2-Dichloroethylene	7.46	8.62	0.865	ok	0.865	0.805-0.925
cis-1,2-Dichloroethylene	8.46	8.62	0.981	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.93	10.44	1.143	ok	1.143	1.083-1.203
m-Dichlorobenzene	17.90	14.67	1.220	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.37	14.67	1.252	ok	1.252	1.192-1.312
p-Dichlorobenzene	17.97	14.67	1.225	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.44	10.44	1.192	ok	1.192	1.132-1.252
Ethanol	5.30	8.62	0.615	ok	0.609	0.549-0.669
Ethylbenzene	15.09	14.67	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.72	8.62	1.012	ok	1.009	0.949-1.069
4-Ethyltoluene	17.16	14.67	1.170	ok	1.170	1.110-1.230
Freon 113	6.80	8.62	0.789	ok	0.788	0.728-0.848
Freon 114	4.33	8.62	0.502	ok	0.502	0.442-0.562
Heptane	11.36	10.44	1.088	ok	1.088	1.028-1.148
Hexachlorobutadiene	20.76	14.67	1.415	ok	1.415	1.355-1.475
Hexane	8.64	8.62	1.002	ok	1.001	0.941-1.061

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65503
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ557-IC557	J10757.D	06/25/07 10:16	DFT	0.5	GCMSJ	TO-15	Reporting this level
MSJ557-IC557	J10758.D	06/25/07 11:05	DFT	0.2	GCMSJ	TO-15	
MSJ557-IC557	J10760.D	06/25/07 12:42	DFT	40	GCMSJ	TO-15	
MSJ557-IC557	J10761.D	06/25/07 13:59	DFT	20	GCMSJ	TO-15	
MSJ557-ICC557	J10762.D	06/25/07 14:46	DFT	10	GCMSJ	TO-15	
MSJ557-IC557	J10763.D	06/25/07 15:34	DFT	5	GCMSJ	TO-15	
MSJ557-IC557	J10765.D	06/25/07 17:14	DFT	2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.21	14.67	0.900	ok	0.899	0.839-0.959
Isopropylbenzene	16.42	14.67	1.119	ok	1.120	1.060-1.180
Isopropyl Alcohol	6.03	8.62	0.700	ok	0.695	0.635-0.755
Methylene chloride	6.55	8.62	0.760	ok	0.759	0.699-0.819
Methyl ethyl ketone	8.11	8.62	0.941	ok	0.939	0.879-0.999
Methyl Isobutyl Ketone	12.02	10.44	1.151	ok	1.150	1.090-1.210
Methyl Tert Butyl Ether	7.76	8.62	0.900	ok	0.898	0.838-0.958
Nonane	15.97	14.67	1.089	ok	1.089	1.029-1.149
Pentane	6.14	8.62	0.712	ok	0.712	0.652-0.772
Propylene	4.01	8.62	0.465	ok	0.464	0.404-0.524
Styrene	15.67	14.67	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.68	8.62	1.123	ok	1.123	1.063-1.183
1,1,2,2-Tetrachloroethane	15.79	14.67	1.076	ok	1.077	1.017-1.137
1,1,2-Trichloroethane	12.61	10.44	1.208	ok	1.209	1.149-1.269
1,2,4-Trichlorobenzene	20.28	14.67	1.382	ok	1.381	1.321-1.441
1,2,4-Trimethylbenzene	17.71	14.67	1.207	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.25	14.67	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.12	10.44	1.065	ok	1.065	1.005-1.125
Tertiary Butyl Alcohol	6.66	8.62	0.773	ok	0.766	0.706-0.826
Tetrachloroethylene	14.01	14.67	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	9.23	8.62	1.071	ok	1.065	1.005-1.125
Toluene	12.88	10.44	1.234	ok	1.234	1.174-1.294
Trichloroethylene	11.11	10.44	1.064	ok	1.064	1.004-1.124
Trichlorofluoromethane	5.79	8.62	0.672	ok	0.672	0.612-0.732
Vinyl chloride	4.45	8.62	0.516	ok	0.516	0.456-0.576
Vinyl Acetate	7.80	8.62	0.905	ok	0.905	0.845-0.965
m,p-Xylene	15.28	14.67	1.042	ok	1.042	0.982-1.102
o-Xylene	15.78	14.67	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.62	ok	8.63	8.30-8.96	419744	ok	428684	257210-600158
1,4-Difluorobenzene	10.44	ok	10.45	10.12-10.78	1843308	ok	1924799	1154879-2694719
Chlorobenzene-D5	14.67	ok	14.67	14.34-15.00	1602957	ok	1734986	1040992-2428980

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65503
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ557-IC557	J10757.D	06/25/07 10:16	DFT	0.5	GCMSJ	TO-15	
MSJ557-IC557	J10758.D	06/25/07 11:05	DFT	0.2	GCMSJ	TO-15	Reporting this level
MSJ557-IC557	J10760.D	06/25/07 12:42	DFT	40	GCMSJ	TO-15	
MSJ557-IC557	J10761.D	06/25/07 13:59	DFT	20	GCMSJ	TO-15	
MSJ557-ICC557	J10762.D	06/25/07 14:46	DFT	10	GCMSJ	TO-15	
MSJ557-IC557	J10763.D	06/25/07 15:34	DFT	5	GCMSJ	TO-15	
MSJ557-IC557	J10765.D	06/25/07 17:14	DFT	2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.70	8.62	0.661	ok	0.657	0.597-0.717
1,3-Butadiene	4.59	8.62	0.532	ok	0.532	0.472-0.592
Benzene	10.12	10.43	0.970	ok	0.969	0.909-1.029
Bromodichloromethane	11.09	10.43	1.063	ok	1.062	1.002-1.122
Bromoform	15.39	14.66	1.050	ok	1.050	0.990-1.110
Bromomethane	4.86	8.62	0.564	ok	0.564	0.504-0.624
Bromoethene	5.39	8.62	0.625	ok	0.624	0.564-0.684
Carbon disulfide	6.85	8.62	0.795	ok	0.794	0.734-0.854
Chlorobenzene	14.71	14.66	1.003	ok	1.003	0.943-1.063
Chloroethane	5.03	8.62	0.584	ok	0.583	0.523-0.643
Chloroform	8.74	8.62	1.014	ok	1.014	0.954-1.074
Chloromethane	4.24	8.62	0.492	ok	0.491	0.431-0.551
3-Chloropropene	6.66	8.62	0.773	ok	0.772	0.712-0.832
Carbon tetrachloride	10.26	8.62	1.190	ok	1.189	1.129-1.249
1,1-Dichloroethane	7.66	8.62	0.889	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.43	8.62	0.746	ok	0.745	0.685-0.805
1,2-Dibromoethane	13.56	14.66	0.925	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.44	8.62	1.095	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.89	10.43	1.044	ok	1.044	0.984-1.104
Dichlorodifluoromethane	4.07	8.62	0.472	ok	0.472	0.412-0.532
Dibromochloromethane	13.32	14.66	0.909	ok	0.909	0.849-0.969
trans-1,2-Dichloroethylene	7.46	8.62	0.865	ok	0.865	0.805-0.925
cis-1,2-Dichloroethylene	8.46	8.62	0.981	ok	0.981	0.921-1.041
Freon 113	6.80	8.62	0.789	ok	0.788	0.728-0.848
Freon 114	4.33	8.62	0.502	ok	0.502	0.442-0.562
Hexachlorobutadiene	20.76	14.66	1.416	ok	1.415	1.355-1.475
Hexane	8.64	8.62	1.002	ok	1.001	0.941-1.061
Methylene chloride	6.55	8.62	0.760	ok	0.759	0.699-0.819
Methyl ethyl ketone	8.14	8.62	0.944	ok	0.939	0.879-0.999
Methyl Tert Butyl Ether	7.79	8.62	0.904	ok	0.898	0.838-0.958
Pentane	6.15	8.62	0.713	ok	0.712	0.652-0.772
Propylene	4.00	8.62	0.464	ok	0.464	0.404-0.524
1,1,1-Trichloroethane	9.68	8.62	1.123	ok	1.123	1.063-1.183
1,1,2,2-Tetrachloroethane	15.79	14.66	1.077	ok	1.077	1.017-1.137
1,1,2-Trichloroethane	12.62	10.43	1.210	ok	1.209	1.149-1.269
Tetrachloroethylene	14.00	14.66	0.955	ok	0.955	0.895-1.015
Trichloroethylene	11.11	10.43	1.065	ok	1.064	1.004-1.124
Trichlorofluoromethane	5.80	8.62	0.673	ok	0.672	0.612-0.732
Vinyl chloride	4.46	8.62	0.517	ok	0.516	0.456-0.576
m,p-Xylene	15.28	14.66	1.042	ok	1.042	0.982-1.102

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65503
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ557-IC557	J10757.D	06/25/07 10:16	DFT	0.5	GCMSJ	TO-15	
MSJ557-IC557	J10758.D	06/25/07 11:05	DFT	0.2	GCMSJ	TO-15	Reporting this level
MSJ557-IC557	J10760.D	06/25/07 12:42	DFT	40	GCMSJ	TO-15	
MSJ557-IC557	J10761.D	06/25/07 13:59	DFT	20	GCMSJ	TO-15	
MSJ557-ICC557	J10762.D	06/25/07 14:46	DFT	10	GCMSJ	TO-15	
MSJ557-IC557	J10763.D	06/25/07 15:34	DFT	5	GCMSJ	TO-15	
MSJ557-IC557	J10765.D	06/25/07 17:14	DFT	2	GCMSJ	TO-15	

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.62	ok	8.63	8.30-8.96	410191	ok	428684	257210-600158
1,4-Difluorobenzene	10.43	ok	10.45	10.12-10.78	1809825	ok	1924799	1154879-2694719
Chlorobenzene-D5	14.66	ok	14.67	14.34-15.00	1513108	ok	1734986	1040992-2428980

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65503
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ557-IC557	J10757.D	06/25/07 10:16	DFT	0.5	GCMSJ	TO-15	
MSJ557-IC557	J10758.D	06/25/07 11:05	DFT	0.2	GCMSJ	TO-15	
MSJ557-IC557	J10760.D	06/25/07 12:42	DFT	40	GCMSJ	TO-15	Reporting this level
MSJ557-IC557	J10761.D	06/25/07 13:59	DFT	20	GCMSJ	TO-15	
MSJ557-ICC557	J10762.D	06/25/07 14:46	DFT	10	GCMSJ	TO-15	
MSJ557-IC557	J10763.D	06/25/07 15:34	DFT	5	GCMSJ	TO-15	
MSJ557-IC557	J10765.D	06/25/07 17:14	DFT	2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.66	8.64	0.655	ok	0.657	0.597-0.717
1,3-Butadiene	4.59	8.64	0.531	ok	0.532	0.472-0.592
Benzene	10.14	10.47	0.968	ok	0.969	0.909-1.029
Bromodichloromethane	11.12	10.47	1.062	ok	1.062	1.002-1.122
Bromoform	15.44	14.70	1.050	ok	1.050	0.990-1.110
Bromomethane	4.86	8.64	0.562	ok	0.564	0.504-0.624
Bromoethene	5.39	8.64	0.624	ok	0.624	0.564-0.684
Benzyl Chloride	17.90	14.70	1.218	ok	1.219	1.159-1.279
Carbon disulfide	6.85	8.64	0.793	ok	0.794	0.734-0.854
Chlorobenzene	14.74	14.70	1.003	ok	1.003	0.943-1.063
Chloroethane	5.03	8.64	0.582	ok	0.583	0.523-0.643
Chloroform	8.77	8.64	1.015	ok	1.014	0.954-1.074
Chloromethane	4.24	8.64	0.491	ok	0.491	0.431-0.551
3-Chloropropene	6.67	8.64	0.772	ok	0.772	0.712-0.832
2-Chlorotoluene	17.00	14.70	1.156	ok	1.157	1.097-1.217
Carbon tetrachloride	10.27	8.64	1.189	ok	1.189	1.129-1.249
Cyclohexane	10.38	10.47	0.991	ok	0.993	0.933-1.053
1,1-Dichloroethane	7.67	8.64	0.888	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.43	8.64	0.744	ok	0.745	0.685-0.805
1,2-Dibromoethane	13.61	14.70	0.926	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.48	8.64	1.097	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.93	10.47	1.044	ok	1.044	0.984-1.104
1,4-Dioxane	11.20	10.47	1.070	ok	1.072	1.012-1.132
Dichlorodifluoromethane	4.07	8.64	0.471	ok	0.472	0.412-0.532
Dibromochloromethane	13.36	14.70	0.909	ok	0.909	0.849-0.969
trans-1,2-Dichloroethylene	7.46	8.64	0.863	ok	0.865	0.805-0.925
cis-1,2-Dichloroethylene	8.47	8.64	0.980	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.96	10.47	1.142	ok	1.143	1.083-1.203
m-Dichlorobenzene	17.92	14.70	1.219	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.38	14.70	1.250	ok	1.252	1.192-1.312
p-Dichlorobenzene	18.00	14.70	1.224	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.47	10.47	1.191	ok	1.192	1.132-1.252
Ethanol	5.23	8.64	0.605	ok	0.609	0.549-0.669
Ethylbenzene	15.12	14.70	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.72	8.64	1.009	ok	1.009	0.949-1.069
4-Ethyltoluene	17.19	14.70	1.169	ok	1.170	1.110-1.230
Freon 113	6.80	8.64	0.787	ok	0.788	0.728-0.848
Freon 114	4.33	8.64	0.501	ok	0.502	0.442-0.562
Heptane	11.38	10.47	1.087	ok	1.088	1.028-1.148
Hexachlorobutadiene	20.76	14.70	1.412	ok	1.415	1.355-1.475
Hexane	8.64	8.64	1.000	ok	1.001	0.941-1.061

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65503
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ557-IC557	J10757.D	06/25/07 10:16	DFT	0.5	GCMSJ	TO-15	
MSJ557-IC557	J10758.D	06/25/07 11:05	DFT	0.2	GCMSJ	TO-15	
MSJ557-IC557	J10760.D	06/25/07 12:42	DFT	40	GCMSJ	TO-15	Reporting this level
MSJ557-IC557	J10761.D	06/25/07 13:59	DFT	20	GCMSJ	TO-15	
MSJ557-ICC557	J10762.D	06/25/07 14:46	DFT	10	GCMSJ	TO-15	
MSJ557-IC557	J10763.D	06/25/07 15:34	DFT	5	GCMSJ	TO-15	
MSJ557-IC557	J10765.D	06/25/07 17:14	DFT	2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.20	14.70	0.898	ok	0.899	0.839-0.959
Isopropylbenzene	16.45	14.70	1.119	ok	1.120	1.060-1.180
Isopropyl Alcohol	6.03	8.64	0.698	ok	0.695	0.635-0.755
Methylene chloride	6.55	8.64	0.758	ok	0.759	0.699-0.819
Methyl ethyl ketone	8.10	8.64	0.938	ok	0.939	0.879-0.999
Methyl Isobutyl Ketone	12.03	10.47	1.149	ok	1.150	1.090-1.210
Methyl Tert Butyl Ether	7.74	8.64	0.896	ok	0.898	0.838-0.958
Nonane	15.99	14.70	1.088	ok	1.089	1.029-1.149
Pentane	6.14	8.64	0.711	ok	0.712	0.652-0.772
Propylene	4.00	8.64	0.463	ok	0.464	0.404-0.524
Styrene	15.70	14.70	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.70	8.64	1.123	ok	1.123	1.063-1.183
1,1,2,2-Tetrachloroethane	15.83	14.70	1.077	ok	1.077	1.017-1.137
1,1,2-Trichloroethane	12.66	10.47	1.209	ok	1.209	1.149-1.269
1,2,4-Trichlorobenzene	20.27	14.70	1.379	ok	1.381	1.321-1.441
1,2,4-Trimethylbenzene	17.74	14.70	1.207	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.27	14.70	1.175	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.14	10.47	1.064	ok	1.065	1.005-1.125
Tertiary Butyl Alcohol	6.65	8.64	0.770	ok	0.766	0.706-0.826
Tetrachloroethylene	14.03	14.70	0.954	ok	0.955	0.895-1.015
Tetrahydrofuran	9.18	8.64	1.062	ok	1.065	1.005-1.125
Toluene	12.91	10.47	1.233	ok	1.234	1.174-1.294
Trichloroethylene	11.14	10.47	1.064	ok	1.064	1.004-1.124
Trichlorofluoromethane	5.80	8.64	0.671	ok	0.672	0.612-0.732
Vinyl chloride	4.45	8.64	0.515	ok	0.516	0.456-0.576
Vinyl Acetate	7.82	8.64	0.905	ok	0.905	0.845-0.965
m,p-Xylene	15.31	14.70	1.041	ok	1.042	0.982-1.102
o-Xylene	15.81	14.70	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.64	ok	8.63	8.30-8.96	426129	ok	428684	257210-600158
1,4-Difluorobenzene	10.47	ok	10.45	10.12-10.78	1871381	ok	1924799	1154879-2694719
Chlorobenzene-D5	14.70	ok	14.67	14.34-15.00	1859953	ok	1734986	1040992-2428980

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65503
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ557-IC557	J10757.D	06/25/07 10:16	DFT	0.5	GCMSJ	TO-15	
MSJ557-IC557	J10758.D	06/25/07 11:05	DFT	0.2	GCMSJ	TO-15	
MSJ557-IC557	J10760.D	06/25/07 12:42	DFT	40	GCMSJ	TO-15	
MSJ557-IC557	J10761.D	06/25/07 13:59	DFT	20	GCMSJ	TO-15	Reporting this level
MSJ557-ICC557	J10762.D	06/25/07 14:46	DFT	10	GCMSJ	TO-15	
MSJ557-IC557	J10763.D	06/25/07 15:34	DFT	5	GCMSJ	TO-15	
MSJ557-IC557	J10765.D	06/25/07 17:14	DFT	2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.65	8.63	0.655	ok	0.657	0.597-0.717
1,3-Butadiene	4.58	8.63	0.531	ok	0.532	0.472-0.592
Benzene	10.13	10.45	0.969	ok	0.969	0.909-1.029
Bromodichloromethane	11.10	10.45	1.062	ok	1.062	1.002-1.122
Bromoform	15.42	14.68	1.050	ok	1.050	0.990-1.110
Bromomethane	4.86	8.63	0.563	ok	0.564	0.504-0.624
Bromoethene	5.38	8.63	0.623	ok	0.624	0.564-0.684
Benzyl Chloride	17.90	14.68	1.219	ok	1.219	1.159-1.279
Carbon disulfide	6.85	8.63	0.794	ok	0.794	0.734-0.854
Chlorobenzene	14.73	14.68	1.003	ok	1.003	0.943-1.063
Chloroethane	5.03	8.63	0.583	ok	0.583	0.523-0.643
Chloroform	8.76	8.63	1.015	ok	1.014	0.954-1.074
Chloromethane	4.23	8.63	0.490	ok	0.491	0.431-0.551
3-Chloropropene	6.66	8.63	0.772	ok	0.772	0.712-0.832
2-Chlorotoluene	16.99	14.68	1.157	ok	1.157	1.097-1.217
Carbon tetrachloride	10.26	8.63	1.189	ok	1.189	1.129-1.249
Cyclohexane	10.38	10.45	0.993	ok	0.993	0.933-1.053
1,1-Dichloroethane	7.66	8.63	0.888	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.42	8.63	0.744	ok	0.745	0.685-0.805
1,2-Dibromoethane	13.59	14.68	0.926	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.47	8.63	1.097	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.91	10.45	1.044	ok	1.044	0.984-1.104
1,4-Dioxane	11.18	10.45	1.070	ok	1.072	1.012-1.132
Dichlorodifluoromethane	4.07	8.63	0.472	ok	0.472	0.412-0.532
Dibromochloromethane	13.35	14.68	0.909	ok	0.909	0.849-0.969
trans-1,2-Dichloroethylene	7.46	8.63	0.864	ok	0.865	0.805-0.925
cis-1,2-Dichloroethylene	8.47	8.63	0.981	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.95	10.45	1.144	ok	1.143	1.083-1.203
m-Dichlorobenzene	17.92	14.68	1.221	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.38	14.68	1.252	ok	1.252	1.192-1.312
p-Dichlorobenzene	17.99	14.68	1.225	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.46	10.45	1.192	ok	1.192	1.132-1.252
Ethanol	5.24	8.63	0.607	ok	0.609	0.549-0.669
Ethylbenzene	15.10	14.68	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.70	8.63	1.008	ok	1.009	0.949-1.069
4-Ethyltoluene	17.18	14.68	1.170	ok	1.170	1.110-1.230
Freon 113	6.79	8.63	0.787	ok	0.788	0.728-0.848
Freon 114	4.33	8.63	0.502	ok	0.502	0.442-0.562
Heptane	11.37	10.45	1.088	ok	1.088	1.028-1.148
Hexachlorobutadiene	20.76	14.68	1.414	ok	1.415	1.355-1.475
Hexane	8.64	8.63	1.001	ok	1.001	0.941-1.061

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65503
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ557-IC557	J10757.D	06/25/07 10:16	DFT	0.5	GCMSJ	TO-15	
MSJ557-IC557	J10758.D	06/25/07 11:05	DFT	0.2	GCMSJ	TO-15	
MSJ557-IC557	J10760.D	06/25/07 12:42	DFT	40	GCMSJ	TO-15	
MSJ557-IC557	J10761.D	06/25/07 13:59	DFT	20	GCMSJ	TO-15	Reporting this level
MSJ557-ICC557	J10762.D	06/25/07 14:46	DFT	10	GCMSJ	TO-15	
MSJ557-IC557	J10763.D	06/25/07 15:34	DFT	5	GCMSJ	TO-15	
MSJ557-IC557	J10765.D	06/25/07 17:14	DFT	2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.19	14.68	0.899	ok	0.899	0.839-0.959
Isopropylbenzene	16.44	14.68	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	6.00	8.63	0.695	ok	0.695	0.635-0.755
Methylene chloride	6.55	8.63	0.759	ok	0.759	0.699-0.819
Methyl ethyl ketone	8.09	8.63	0.937	ok	0.939	0.879-0.999
Methyl Isobutyl Ketone	12.01	10.45	1.149	ok	1.150	1.090-1.210
Methyl Tert Butyl Ether	7.74	8.63	0.897	ok	0.898	0.838-0.958
Nonane	15.98	14.68	1.089	ok	1.089	1.029-1.149
Pentane	6.13	8.63	0.710	ok	0.712	0.652-0.772
Propylene	4.00	8.63	0.463	ok	0.464	0.404-0.524
Styrene	15.69	14.68	1.069	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.69	8.63	1.123	ok	1.123	1.063-1.183
1,1,2,2-Tetrachloroethane	15.81	14.68	1.077	ok	1.077	1.017-1.137
1,1,2-Trichloroethane	12.64	10.45	1.210	ok	1.209	1.149-1.269
1,2,4-Trichlorobenzene	20.27	14.68	1.381	ok	1.381	1.321-1.441
1,2,4-Trimethylbenzene	17.73	14.68	1.208	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.27	14.68	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.13	10.45	1.065	ok	1.065	1.005-1.125
Tertiary Butyl Alcohol	6.60	8.63	0.765	ok	0.766	0.706-0.826
Tetrachloroethylene	14.02	14.68	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	9.18	8.63	1.064	ok	1.065	1.005-1.125
Toluene	12.90	10.45	1.234	ok	1.234	1.174-1.294
Trichloroethylene	11.13	10.45	1.065	ok	1.064	1.004-1.124
Trichlorofluoromethane	5.79	8.63	0.671	ok	0.672	0.612-0.732
Vinyl chloride	4.45	8.63	0.516	ok	0.516	0.456-0.576
Vinyl Acetate	7.81	8.63	0.905	ok	0.905	0.845-0.965
m,p-Xylene	15.30	14.68	1.042	ok	1.042	0.982-1.102
o-Xylene	15.80	14.68	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.63	ok	8.63	8.30-8.96	454420	ok	428684	257210-600158
1,4-Difluorobenzene	10.45	ok	10.45	10.12-10.78	2027697	ok	1924799	1154879-2694719
Chlorobenzene-D5	14.68	ok	14.67	14.34-15.00	1910580	ok	1734986	1040992-2428980

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65503
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ557-IC557	J10757.D	06/25/07 10:16	DFT	0.5	GCMSJ	TO-15	
MSJ557-IC557	J10758.D	06/25/07 11:05	DFT	0.2	GCMSJ	TO-15	
MSJ557-IC557	J10760.D	06/25/07 12:42	DFT	40	GCMSJ	TO-15	
MSJ557-IC557	J10761.D	06/25/07 13:59	DFT	20	GCMSJ	TO-15	
MSJ557-ICC557	J10762.D	06/25/07 14:46	DFT	10	GCMSJ	TO-15	Reporting this level
MSJ557-IC557	J10763.D	06/25/07 15:34	DFT	5	GCMSJ	TO-15	
MSJ557-IC557	J10765.D	06/25/07 17:14	DFT	2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.66	8.63	0.656	ok	0.657	0.597-0.717
1,3-Butadiene	4.58	8.63	0.531	ok	0.532	0.472-0.592
Benzene	10.12	10.45	0.968	ok	0.969	0.909-1.029
Bromodichloromethane	11.09	10.45	1.061	ok	1.062	1.002-1.122
Bromoform	15.40	14.67	1.050	ok	1.050	0.990-1.110
Bromomethane	4.86	8.63	0.563	ok	0.564	0.504-0.624
Bromoethene	5.38	8.63	0.623	ok	0.624	0.564-0.684
Benzyl Chloride	17.89	14.67	1.219	ok	1.219	1.159-1.279
Carbon disulfide	6.85	8.63	0.794	ok	0.794	0.734-0.854
Chlorobenzene	14.72	14.67	1.003	ok	1.003	0.943-1.063
Chloroethane	5.03	8.63	0.583	ok	0.583	0.523-0.643
Chloroform	8.75	8.63	1.014	ok	1.014	0.954-1.074
Chloromethane	4.23	8.63	0.490	ok	0.491	0.431-0.551
3-Chloropropene	6.66	8.63	0.772	ok	0.772	0.712-0.832
2-Chlorotoluene	16.99	14.67	1.158	ok	1.157	1.097-1.217
Carbon tetrachloride	10.26	8.63	1.189	ok	1.189	1.129-1.249
Cyclohexane	10.37	10.45	0.992	ok	0.993	0.933-1.053
1,1-Dichloroethane	7.66	8.63	0.888	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.42	8.63	0.744	ok	0.745	0.685-0.805
1,2-Dibromoethane	13.58	14.67	0.926	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.45	8.63	1.095	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.90	10.45	1.043	ok	1.044	0.984-1.104
1,4-Dioxane	11.18	10.45	1.070	ok	1.072	1.012-1.132
Dichlorodifluoromethane	4.07	8.63	0.472	ok	0.472	0.412-0.532
Dibromochloromethane	13.33	14.67	0.909	ok	0.909	0.849-0.969
trans-1,2-Dichloroethylene	7.46	8.63	0.864	ok	0.865	0.805-0.925
cis-1,2-Dichloroethylene	8.46	8.63	0.980	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.94	10.45	1.143	ok	1.143	1.083-1.203
m-Dichlorobenzene	17.91	14.67	1.221	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.37	14.67	1.252	ok	1.252	1.192-1.312
p-Dichlorobenzene	17.99	14.67	1.226	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.45	10.45	1.191	ok	1.192	1.132-1.252
Ethanol	5.23	8.63	0.606	ok	0.609	0.549-0.669
Ethylbenzene	15.10	14.67	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.70	8.63	1.008	ok	1.009	0.949-1.069
4-Ethyltoluene	17.17	14.67	1.170	ok	1.170	1.110-1.230
Freon 113	6.79	8.63	0.787	ok	0.788	0.728-0.848
Freon 114	4.32	8.63	0.501	ok	0.502	0.442-0.562
Heptane	11.36	10.45	1.087	ok	1.088	1.028-1.148
Hexachlorobutadiene	20.76	14.67	1.415	ok	1.415	1.355-1.475
Hexane	8.63	8.63	1.000	ok	1.001	0.941-1.061

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65503
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ557-IC557	J10757.D	06/25/07 10:16	DFT	0.5	GCMSJ	TO-15	
MSJ557-IC557	J10758.D	06/25/07 11:05	DFT	0.2	GCMSJ	TO-15	
MSJ557-IC557	J10760.D	06/25/07 12:42	DFT	40	GCMSJ	TO-15	
MSJ557-IC557	J10761.D	06/25/07 13:59	DFT	20	GCMSJ	TO-15	
MSJ557-ICC557	J10762.D	06/25/07 14:46	DFT	10	GCMSJ	TO-15	Reporting this level
MSJ557-IC557	J10763.D	06/25/07 15:34	DFT	5	GCMSJ	TO-15	
MSJ557-IC557	J10765.D	06/25/07 17:14	DFT	2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.18	14.67	0.898	ok	0.899	0.839-0.959
Isopropylbenzene	16.43	14.67	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.98	8.63	0.693	ok	0.695	0.635-0.755
Methylene chloride	6.55	8.63	0.759	ok	0.759	0.699-0.819
Methyl ethyl ketone	8.08	8.63	0.936	ok	0.939	0.879-0.999
Methyl Isobutyl Ketone	12.00	10.45	1.148	ok	1.150	1.090-1.210
Methyl Tert Butyl Ether	7.73	8.63	0.896	ok	0.898	0.838-0.958
Nonane	15.98	14.67	1.089	ok	1.089	1.029-1.149
Pentane	6.13	8.63	0.710	ok	0.712	0.652-0.772
Propylene	4.00	8.63	0.463	ok	0.464	0.404-0.524
Styrene	15.67	14.67	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.68	8.63	1.122	ok	1.123	1.063-1.183
1,1,2,2-Tetrachloroethane	15.80	14.67	1.077	ok	1.077	1.017-1.137
1,1,2-Trichloroethane	12.63	10.45	1.209	ok	1.209	1.149-1.269
1,2,4-Trichlorobenzene	20.27	14.67	1.382	ok	1.381	1.321-1.441
1,2,4-Trimethylbenzene	17.72	14.67	1.208	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.26	14.67	1.177	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.12	10.45	1.064	ok	1.065	1.005-1.125
Tertiary Butyl Alcohol	6.57	8.63	0.761	ok	0.766	0.706-0.826
Tetrachloroethylene	14.01	14.67	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	9.18	8.63	1.064	ok	1.065	1.005-1.125
Toluene	12.89	10.45	1.233	ok	1.234	1.174-1.294
Trichloroethylene	11.12	10.45	1.064	ok	1.064	1.004-1.124
Trichlorofluoromethane	5.79	8.63	0.671	ok	0.672	0.612-0.732
Vinyl chloride	4.45	8.63	0.516	ok	0.516	0.456-0.576
Vinyl Acetate	7.81	8.63	0.905	ok	0.905	0.845-0.965
m,p-Xylene	15.29	14.67	1.042	ok	1.042	0.982-1.102
o-Xylene	15.79	14.67	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.63	ok	8.63	8.30-8.96	435479	ok	428684	257210-600158
1,4-Difluorobenzene	10.45	ok	10.45	10.12-10.78	1969866	ok	1924799	1154879-2694719
Chlorobenzene-D5	14.67	ok	14.67	14.34-15.00	1764652	ok	1734986	1040992-2428980

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65503
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ557-IC557	J10757.D	06/25/07 10:16	DFT	0.5	GCMSJ	TO-15	
MSJ557-IC557	J10758.D	06/25/07 11:05	DFT	0.2	GCMSJ	TO-15	
MSJ557-IC557	J10760.D	06/25/07 12:42	DFT	40	GCMSJ	TO-15	
MSJ557-IC557	J10761.D	06/25/07 13:59	DFT	20	GCMSJ	TO-15	
MSJ557-ICC557	J10762.D	06/25/07 14:46	DFT	10	GCMSJ	TO-15	
MSJ557-IC557	J10763.D	06/25/07 15:34	DFT	5	GCMSJ	TO-15	Reporting this level
MSJ557-IC557	J10765.D	06/25/07 17:14	DFT	2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.68	8.63	0.658	ok	0.657	0.597-0.717
1,3-Butadiene	4.58	8.63	0.531	ok	0.532	0.472-0.592
Benzene	10.12	10.44	0.969	ok	0.969	0.909-1.029
Bromodichloromethane	11.09	10.44	1.062	ok	1.062	1.002-1.122
Bromoform	15.40	14.67	1.050	ok	1.050	0.990-1.110
Bromomethane	4.87	8.63	0.564	ok	0.564	0.504-0.624
Bromoethene	5.39	8.63	0.625	ok	0.624	0.564-0.684
Benzyl Chloride	17.89	14.67	1.219	ok	1.219	1.159-1.279
Carbon disulfide	6.85	8.63	0.794	ok	0.794	0.734-0.854
Chlorobenzene	14.72	14.67	1.003	ok	1.003	0.943-1.063
Chloroethane	5.04	8.63	0.584	ok	0.583	0.523-0.643
Chloroform	8.74	8.63	1.013	ok	1.014	0.954-1.074
Chloromethane	4.24	8.63	0.491	ok	0.491	0.431-0.551
3-Chloropropene	6.66	8.63	0.772	ok	0.772	0.712-0.832
2-Chlorotoluene	16.98	14.67	1.157	ok	1.157	1.097-1.217
Carbon tetrachloride	10.26	8.63	1.189	ok	1.189	1.129-1.249
Cyclohexane	10.37	10.44	0.993	ok	0.993	0.933-1.053
1,1-Dichloroethane	7.66	8.63	0.888	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.43	8.63	0.745	ok	0.745	0.685-0.805
1,2-Dibromoethane	13.57	14.67	0.925	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.46	8.63	1.096	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.90	10.44	1.044	ok	1.044	0.984-1.104
1,4-Dioxane	11.20	10.44	1.073	ok	1.072	1.012-1.132
Dichlorodifluoromethane	4.07	8.63	0.472	ok	0.472	0.412-0.532
Dibromochloromethane	13.33	14.67	0.909	ok	0.909	0.849-0.969
trans-1,2-Dichloroethylene	7.46	8.63	0.864	ok	0.865	0.805-0.925
cis-1,2-Dichloroethylene	8.46	8.63	0.980	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.94	10.44	1.144	ok	1.143	1.083-1.203
m-Dichlorobenzene	17.90	14.67	1.220	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.37	14.67	1.252	ok	1.252	1.192-1.312
p-Dichlorobenzene	17.98	14.67	1.226	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.44	10.44	1.192	ok	1.192	1.132-1.252
Ethanol	5.26	8.63	0.610	ok	0.609	0.549-0.669
Ethylbenzene	15.09	14.67	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.70	8.63	1.008	ok	1.009	0.949-1.069
4-Ethyltoluene	17.17	14.67	1.170	ok	1.170	1.110-1.230
Freon 113	6.80	8.63	0.788	ok	0.788	0.728-0.848
Freon 114	4.33	8.63	0.502	ok	0.502	0.442-0.562
Heptane	11.36	10.44	1.088	ok	1.088	1.028-1.148
Hexachlorobutadiene	20.76	14.67	1.415	ok	1.415	1.355-1.475
Hexane	8.63	8.63	1.000	ok	1.001	0.941-1.061

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65503
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ557-IC557	J10757.D	06/25/07 10:16	DFT	0.5	GCMSJ	TO-15	
MSJ557-IC557	J10758.D	06/25/07 11:05	DFT	0.2	GCMSJ	TO-15	
MSJ557-IC557	J10760.D	06/25/07 12:42	DFT	40	GCMSJ	TO-15	
MSJ557-IC557	J10761.D	06/25/07 13:59	DFT	20	GCMSJ	TO-15	
MSJ557-ICC557	J10762.D	06/25/07 14:46	DFT	10	GCMSJ	TO-15	
MSJ557-IC557	J10763.D	06/25/07 15:34	DFT	5	GCMSJ	TO-15	Reporting this level
MSJ557-IC557	J10765.D	06/25/07 17:14	DFT	2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.19	14.67	0.899	ok	0.899	0.839-0.959
Isopropylbenzene	16.43	14.67	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.97	8.63	0.692	ok	0.695	0.635-0.755
Methylene chloride	6.55	8.63	0.759	ok	0.759	0.699-0.819
Methyl ethyl ketone	8.09	8.63	0.937	ok	0.939	0.879-0.999
Methyl Isobutyl Ketone	12.01	10.44	1.150	ok	1.150	1.090-1.210
Methyl Tert Butyl Ether	7.75	8.63	0.898	ok	0.898	0.838-0.958
Nonane	15.97	14.67	1.089	ok	1.089	1.029-1.149
Pentane	6.14	8.63	0.711	ok	0.712	0.652-0.772
Propylene	4.00	8.63	0.463	ok	0.464	0.404-0.524
Styrene	15.67	14.67	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.68	8.63	1.122	ok	1.123	1.063-1.183
1,1,2,2-Tetrachloroethane	15.80	14.67	1.077	ok	1.077	1.017-1.137
1,1,2-Trichloroethane	12.63	10.44	1.210	ok	1.209	1.149-1.269
1,2,4-Trichlorobenzene	20.27	14.67	1.382	ok	1.381	1.321-1.441
1,2,4-Trimethylbenzene	17.72	14.67	1.208	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.26	14.67	1.177	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.12	10.44	1.065	ok	1.065	1.005-1.125
Tertiary Butyl Alcohol	6.57	8.63	0.761	ok	0.766	0.706-0.826
Tetrachloroethylene	14.01	14.67	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	9.19	8.63	1.065	ok	1.065	1.005-1.125
Toluene	12.89	10.44	1.235	ok	1.234	1.174-1.294
Trichloroethylene	11.11	10.44	1.064	ok	1.064	1.004-1.124
Trichlorofluoromethane	5.80	8.63	0.672	ok	0.672	0.612-0.732
Vinyl chloride	4.46	8.63	0.517	ok	0.516	0.456-0.576
Vinyl Acetate	7.81	8.63	0.905	ok	0.905	0.845-0.965
m,p-Xylene	15.27	14.67	1.041	ok	1.042	0.982-1.102
o-Xylene	15.78	14.67	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.63	ok	8.63	8.30-8.96	438436	ok	428684	257210-600158
1,4-Difluorobenzene	10.44	ok	10.45	10.12-10.78	2029733	ok	1924799	1154879-2694719
Chlorobenzene-D5	14.67	ok	14.67	14.34-15.00	1791020	ok	1734986	1040992-2428980

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65503
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ557-IC557	J10757.D	06/25/07 10:16	DFT	0.5	GCMSJ	TO-15	
MSJ557-IC557	J10758.D	06/25/07 11:05	DFT	0.2	GCMSJ	TO-15	
MSJ557-IC557	J10760.D	06/25/07 12:42	DFT	40	GCMSJ	TO-15	
MSJ557-IC557	J10761.D	06/25/07 13:59	DFT	20	GCMSJ	TO-15	
MSJ557-ICC557	J10762.D	06/25/07 14:46	DFT	10	GCMSJ	TO-15	
MSJ557-IC557	J10763.D	06/25/07 15:34	DFT	5	GCMSJ	TO-15	
MSJ557-IC557	J10765.D	06/25/07 17:14	DFT	2	GCMSJ	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.67	8.62	0.658	ok	0.657	0.597-0.717
1,3-Butadiene	4.59	8.62	0.532	ok	0.532	0.472-0.592
Benzene	10.12	10.44	0.969	ok	0.969	0.909-1.029
Bromodichloromethane	11.08	10.44	1.061	ok	1.062	1.002-1.122
Bromoform	15.40	14.67	1.050	ok	1.050	0.990-1.110
Bromomethane	4.86	8.62	0.564	ok	0.564	0.504-0.624
Bromoethene	5.38	8.62	0.624	ok	0.624	0.564-0.684
Benzyl Chloride	17.89	14.67	1.219	ok	1.219	1.159-1.279
Carbon disulfide	6.85	8.62	0.795	ok	0.794	0.734-0.854
Chlorobenzene	14.71	14.67	1.003	ok	1.003	0.943-1.063
Chloroethane	5.03	8.62	0.584	ok	0.583	0.523-0.643
Chloroform	8.74	8.62	1.014	ok	1.014	0.954-1.074
Chloromethane	4.24	8.62	0.492	ok	0.491	0.431-0.551
3-Chloropropene	6.66	8.62	0.773	ok	0.772	0.712-0.832
2-Chlorotoluene	16.98	14.67	1.157	ok	1.157	1.097-1.217
Carbon tetrachloride	10.26	8.62	1.190	ok	1.189	1.129-1.249
Cyclohexane	10.37	10.44	0.993	ok	0.993	0.933-1.053
1,1-Dichloroethane	7.66	8.62	0.889	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.43	8.62	0.746	ok	0.745	0.685-0.805
1,2-Dibromoethane	13.57	14.67	0.925	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.45	8.62	1.096	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.90	10.44	1.044	ok	1.044	0.984-1.104
1,4-Dioxane	11.20	10.44	1.073	ok	1.072	1.012-1.132
Dichlorodifluoromethane	4.07	8.62	0.472	ok	0.472	0.412-0.532
Dibromochloromethane	13.32	14.67	0.908	ok	0.909	0.849-0.969
trans-1,2-Dichloroethylene	7.46	8.62	0.865	ok	0.865	0.805-0.925
cis-1,2-Dichloroethylene	8.46	8.62	0.981	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.94	10.44	1.144	ok	1.143	1.083-1.203
m-Dichlorobenzene	17.90	14.67	1.220	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.37	14.67	1.252	ok	1.252	1.192-1.312
p-Dichlorobenzene	17.98	14.67	1.226	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.44	10.44	1.192	ok	1.192	1.132-1.252
Ethanol	5.25	8.62	0.609	ok	0.609	0.549-0.669
Ethylbenzene	15.09	14.67	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.70	8.62	1.009	ok	1.009	0.949-1.069
4-Ethyltoluene	17.16	14.67	1.170	ok	1.170	1.110-1.230
Freon 113	6.79	8.62	0.788	ok	0.788	0.728-0.848
Freon 114	4.33	8.62	0.502	ok	0.502	0.442-0.562
Heptane	11.35	10.44	1.087	ok	1.088	1.028-1.148
Hexachlorobutadiene	20.76	14.67	1.415	ok	1.415	1.355-1.475
Hexane	8.63	8.62	1.001	ok	1.001	0.941-1.061

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65503
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ557-IC557	J10757.D	06/25/07 10:16	DFT	0.5	GCMSJ	TO-15	
MSJ557-IC557	J10758.D	06/25/07 11:05	DFT	0.2	GCMSJ	TO-15	
MSJ557-IC557	J10760.D	06/25/07 12:42	DFT	40	GCMSJ	TO-15	
MSJ557-IC557	J10761.D	06/25/07 13:59	DFT	20	GCMSJ	TO-15	
MSJ557-ICC557	J10762.D	06/25/07 14:46	DFT	10	GCMSJ	TO-15	
MSJ557-IC557	J10763.D	06/25/07 15:34	DFT	5	GCMSJ	TO-15	
MSJ557-IC557	J10765.D	06/25/07 17:14	DFT	2	GCMSJ	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.19	14.67	0.899	ok	0.899	0.839-0.959
Isopropylbenzene	16.42	14.67	1.119	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.97	8.62	0.693	ok	0.695	0.635-0.755
Methylene chloride	6.55	8.62	0.760	ok	0.759	0.699-0.819
Methyl ethyl ketone	8.09	8.62	0.939	ok	0.939	0.879-0.999
Methyl Isobutyl Ketone	12.00	10.44	1.149	ok	1.150	1.090-1.210
Methyl Tert Butyl Ether	7.74	8.62	0.898	ok	0.898	0.838-0.958
Nonane	15.97	14.67	1.089	ok	1.089	1.029-1.149
Pentane	6.14	8.62	0.712	ok	0.712	0.652-0.772
Propylene	4.00	8.62	0.464	ok	0.464	0.404-0.524
Styrene	15.67	14.67	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.68	8.62	1.123	ok	1.123	1.063-1.183
1,1,2,2-Tetrachloroethane	15.79	14.67	1.076	ok	1.077	1.017-1.137
1,1,2-Trichloroethane	12.62	10.44	1.209	ok	1.209	1.149-1.269
1,2,4-Trichlorobenzene	20.27	14.67	1.382	ok	1.381	1.321-1.441
1,2,4-Trimethylbenzene	17.72	14.67	1.208	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.25	14.67	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.12	10.44	1.065	ok	1.065	1.005-1.125
Tertiary Butyl Alcohol	6.59	8.62	0.765	ok	0.766	0.706-0.826
Tetrachloroethylene	14.01	14.67	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	9.20	8.62	1.067	ok	1.065	1.005-1.125
Toluene	12.88	10.44	1.234	ok	1.234	1.174-1.294
Trichloroethylene	11.11	10.44	1.064	ok	1.064	1.004-1.124
Trichlorofluoromethane	5.79	8.62	0.672	ok	0.672	0.612-0.732
Vinyl chloride	4.45	8.62	0.516	ok	0.516	0.456-0.576
Vinyl Acetate	7.80	8.62	0.905	ok	0.905	0.845-0.965
m,p-Xylene	15.28	14.67	1.042	ok	1.042	0.982-1.102
o-Xylene	15.78	14.67	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.62	ok	8.63	8.30-8.96	416388	ok	428684	257210-600158
1,4-Difluorobenzene	10.44	ok	10.45	10.12-10.78	1921784	ok	1924799	1154879-2694719
Chlorobenzene-D5	14.67	ok	14.67	14.34-15.00	1702630	ok	1734986	1040992-2428980

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65503
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ189-IC189	Q3474.D	05/21/07 17:28	PB	40	GCMSQ	TO-15	Reporting this level
MSQ189-IC189	Q3475.D	05/21/07 18:09	PB	20	GCMSQ	TO-15	
MSQ189-ICC189	Q3476.D	05/21/07 18:52	PB	10	GCMSQ	TO-15	
MSQ189-IC189	Q3477.D	05/21/07 19:34	PB	5	GCMSQ	TO-15	
MSQ189-IC189	Q3478.D	05/21/07 20:17	PB	2	GCMSQ	TO-15	
MSQ189-IC189	Q3479.D	05/21/07 21:00	PB	.5	GCMSQ	TO-15	
MSQ189-IC189	Q3480.D	05/21/07 21:43	PB	.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.19	8.43	0.616	ok	0.617	0.557-0.677
1,3-Butadiene	4.12	8.43	0.489	ok	0.490	0.430-0.550
Benzene	10.01	10.35	0.967	ok	0.968	0.908-1.028
Bromodichloromethane	11.02	10.35	1.065	ok	1.064	1.004-1.124
Bromoform	15.43	14.70	1.050	ok	1.049	0.989-1.109
Bromomethane	4.40	8.43	0.522	ok	0.523	0.463-0.583
Bromoethene	4.95	8.43	0.587	ok	0.588	0.528-0.648
Benzyl Chloride	17.94	14.70	1.220	ok	1.220	1.160-1.280
Carbon disulfide	6.52	8.43	0.773	ok	0.775	0.715-0.835
Chlorobenzene	14.74	14.70	1.003	ok	1.003	0.943-1.063
Chloroethane	4.57	8.43	0.542	ok	0.544	0.484-0.604
Chloroform	8.56	8.43	1.015	ok	1.015	0.955-1.075
Chloromethane	3.76	8.43	0.446	ok	0.447	0.387-0.507
3-Chloropropene	6.32	8.43	0.750	ok	0.751	0.691-0.811
2-Chlorotoluene	17.04	14.70	1.159	ok	1.159	1.099-1.219
Carbon tetrachloride	10.16	8.43	1.205	ok	1.206	1.146-1.266
Cyclohexane	10.29	10.35	0.994	ok	0.994	0.934-1.054
1,1-Dichloroethane	7.40	8.43	0.878	ok	0.878	0.818-0.938
1,1-Dichloroethylene	6.07	8.43	0.720	ok	0.721	0.661-0.781
1,2-Dibromoethane	13.58	14.70	0.924	ok	0.923	0.863-0.983
1,2-Dichloroethane	9.30	8.43	1.103	ok	1.103	1.043-1.163
1,2-Dichloropropane	10.83	10.35	1.046	ok	1.046	0.986-1.106
1,4-Dioxane	11.04	10.35	1.067	ok	1.067	1.007-1.127
Dichlorodifluoromethane	3.59	8.43	0.426	ok	0.427	0.367-0.487
Dibromochloromethane	13.32	14.70	0.906	ok	0.906	0.846-0.966
trans-1,2-Dichloroethylene	7.18	8.43	0.852	ok	0.853	0.793-0.913
cis-1,2-Dichloroethylene	8.25	8.43	0.979	ok	0.980	0.920-1.040
cis-1,3-Dichloropropene	11.90	10.35	1.150	ok	1.150	1.090-1.210
m-Dichlorobenzene	17.96	14.70	1.222	ok	1.222	1.162-1.282
o-Dichlorobenzene	18.42	14.70	1.253	ok	1.253	1.193-1.313
p-Dichlorobenzene	18.04	14.70	1.227	ok	1.227	1.167-1.287
trans-1,3-Dichloropropene	12.42	10.35	1.200	ok	1.200	1.140-1.260
Ethanol	4.68	8.43	0.555	ok	0.556	0.496-0.616
Ethylbenzene	15.13	14.70	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.46	8.43	1.004	ok	1.004	0.944-1.064
4-Ethyltoluene	17.23	14.70	1.172	ok	1.172	1.112-1.232
Freon 113	6.47	8.43	0.767	ok	0.768	0.708-0.828
Freon 114	3.86	8.43	0.458	ok	0.459	0.399-0.519
Heptane	11.33	10.35	1.095	ok	1.095	1.035-1.155
Hexachlorobutadiene	20.81	14.70	1.416	ok	1.416	1.356-1.476
Hexane	8.46	8.43	1.004	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65503
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ189-IC189	Q3474.D	05/21/07 17:28	PB	40	GCMSQ	TO-15	Reporting this level
MSQ189-IC189	Q3475.D	05/21/07 18:09	PB	20	GCMSQ	TO-15	
MSQ189-ICC189	Q3476.D	05/21/07 18:52	PB	10	GCMSQ	TO-15	
MSQ189-IC189	Q3477.D	05/21/07 19:34	PB	5	GCMSQ	TO-15	
MSQ189-IC189	Q3478.D	05/21/07 20:17	PB	2	GCMSQ	TO-15	
MSQ189-IC189	Q3479.D	05/21/07 21:00	PB	.5	GCMSQ	TO-15	
MSQ189-IC189	Q3480.D	05/21/07 21:43	PB	.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.12	14.70	0.893	ok	0.892	0.832-0.952
Isopropylbenzene	16.48	14.70	1.121	ok	1.121	1.061-1.181
Isopropyl Alcohol	5.45	8.43	0.647	ok	0.647	0.587-0.707
Methylene chloride	6.20	8.43	0.735	ok	0.735	0.675-0.795
Methyl ethyl ketone	7.80	8.43	0.925	ok	0.925	0.865-0.985
Methyl Isobutyl Ketone	11.92	10.35	1.152	ok	1.152	1.092-1.212
Methyl Tert Butyl Ether	7.45	8.43	0.884	ok	0.884	0.824-0.944
Nonane	16.04	14.70	1.091	ok	1.091	1.031-1.151
Pentane	5.77	8.43	0.684	ok	0.685	0.625-0.745
Propylene	3.52	8.43	0.418	ok	0.419	0.359-0.479
Styrene	15.71	14.70	1.069	ok	1.069	1.009-1.129
1,1,1-Trichloroethane	9.55	8.43	1.133	ok	1.133	1.073-1.193
1,1,2,2-Tetrachloroethane	15.82	14.70	1.076	ok	1.076	1.016-1.136
1,1,2-Trichloroethane	12.60	10.35	1.217	ok	1.217	1.157-1.277
1,2,4-Trimethylbenzene	17.78	14.70	1.210	ok	1.209	1.149-1.269
1,3,5-Trimethylbenzene	17.31	14.70	1.178	ok	1.178	1.118-1.238
2,2,4-Trimethylpentane	11.08	10.35	1.071	ok	1.071	1.011-1.131
Tertiary Butyl Alcohol	6.09	8.43	0.722	ok	0.723	0.663-0.783
Tetrachloroethylene	14.04	14.70	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	8.95	8.43	1.062	ok	1.063	1.003-1.123
Toluene	12.89	10.35	1.245	ok	1.245	1.185-1.305
Trichloroethylene	11.05	10.35	1.068	ok	1.068	1.008-1.128
Trichlorofluoromethane	5.39	8.43	0.639	ok	0.640	0.580-0.700
Vinyl chloride	3.99	8.43	0.473	ok	0.473	0.413-0.533
Vinyl Acetate	7.54	8.43	0.894	ok	0.894	0.834-0.954
m,p-Xylene	15.33	14.70	1.043	ok	1.043	0.983-1.103
o-Xylene	15.83	14.70	1.077	ok	1.077	1.017-1.137

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.43	ok	8.43	8.10-8.76	81469	ok	70239	42143-98335
1,4-Difluorobenzene	10.35	ok	10.35	10.02-10.68	363145	ok	321291	192775-449807
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	329063	ok	275768	165461-386075

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65503
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ189-IC189	Q3474.D	05/21/07 17:28	PB	40	GCMSQ	TO-15	
MSQ189-IC189	Q3475.D	05/21/07 18:09	PB	20	GCMSQ	TO-15	Reporting this level
MSQ189-ICC189	Q3476.D	05/21/07 18:52	PB	10	GCMSQ	TO-15	
MSQ189-IC189	Q3477.D	05/21/07 19:34	PB	5	GCMSQ	TO-15	
MSQ189-IC189	Q3478.D	05/21/07 20:17	PB	2	GCMSQ	TO-15	
MSQ189-IC189	Q3479.D	05/21/07 21:00	PB	.5	GCMSQ	TO-15	
MSQ189-IC189	Q3480.D	05/21/07 21:43	PB	.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.20	8.43	0.617	ok	0.617	0.557-0.677
1,3-Butadiene	4.13	8.43	0.490	ok	0.490	0.430-0.550
Benzene	10.02	10.35	0.968	ok	0.968	0.908-1.028
Bromodichloromethane	11.02	10.35	1.065	ok	1.064	1.004-1.124
Bromoform	15.42	14.70	1.049	ok	1.049	0.989-1.109
Bromomethane	4.41	8.43	0.523	ok	0.523	0.463-0.583
Bromoethene	4.95	8.43	0.587	ok	0.588	0.528-0.648
Benzyl Chloride	17.94	14.70	1.220	ok	1.220	1.160-1.280
Carbon disulfide	6.53	8.43	0.775	ok	0.775	0.715-0.835
Chlorobenzene	14.74	14.70	1.003	ok	1.003	0.943-1.063
Chloroethane	4.58	8.43	0.543	ok	0.544	0.484-0.604
Chloroform	8.56	8.43	1.015	ok	1.015	0.955-1.075
Chloromethane	3.77	8.43	0.447	ok	0.447	0.387-0.507
3-Chloropropene	6.33	8.43	0.751	ok	0.751	0.691-0.811
2-Chlorotoluene	17.03	14.70	1.159	ok	1.159	1.099-1.219
Carbon tetrachloride	10.17	8.43	1.206	ok	1.206	1.146-1.266
Cyclohexane	10.29	10.35	0.994	ok	0.994	0.934-1.054
1,1-Dichloroethane	7.40	8.43	0.878	ok	0.878	0.818-0.938
1,1-Dichloroethylene	6.08	8.43	0.721	ok	0.721	0.661-0.781
1,2-Dibromoethane	13.57	14.70	0.923	ok	0.923	0.863-0.983
1,2-Dichloroethane	9.30	8.43	1.103	ok	1.103	1.043-1.163
1,2-Dichloropropane	10.82	10.35	1.045	ok	1.046	0.986-1.106
1,4-Dioxane	11.04	10.35	1.067	ok	1.067	1.007-1.127
Dichlorodifluoromethane	3.60	8.43	0.427	ok	0.427	0.367-0.487
Dibromochloromethane	13.32	14.70	0.906	ok	0.906	0.846-0.966
trans-1,2-Dichloroethylene	7.19	8.43	0.853	ok	0.853	0.793-0.913
cis-1,2-Dichloroethylene	8.25	8.43	0.979	ok	0.980	0.920-1.040
cis-1,3-Dichloropropene	11.90	10.35	1.150	ok	1.150	1.090-1.210
m-Dichlorobenzene	17.96	14.70	1.222	ok	1.222	1.162-1.282
o-Dichlorobenzene	18.42	14.70	1.253	ok	1.253	1.193-1.313
p-Dichlorobenzene	18.03	14.70	1.227	ok	1.227	1.167-1.287
trans-1,3-Dichloropropene	12.41	10.35	1.199	ok	1.200	1.140-1.260
Ethanol	4.68	8.43	0.555	ok	0.556	0.496-0.616
Ethylbenzene	15.13	14.70	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.47	8.43	1.005	ok	1.004	0.944-1.064
4-Ethyltoluene	17.22	14.70	1.171	ok	1.172	1.112-1.232
Freon 113	6.48	8.43	0.769	ok	0.768	0.708-0.828
Freon 114	3.87	8.43	0.459	ok	0.459	0.399-0.519
Heptane	11.33	10.35	1.095	ok	1.095	1.035-1.155
Hexachlorobutadiene	20.81	14.70	1.416	ok	1.416	1.356-1.476
Hexane	8.46	8.43	1.004	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65503
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ189-IC189	Q3474.D	05/21/07 17:28	PB	40	GCMSQ	TO-15	
MSQ189-IC189	Q3475.D	05/21/07 18:09	PB	20	GCMSQ	TO-15	Reporting this level
MSQ189-ICC189	Q3476.D	05/21/07 18:52	PB	10	GCMSQ	TO-15	
MSQ189-IC189	Q3477.D	05/21/07 19:34	PB	5	GCMSQ	TO-15	
MSQ189-IC189	Q3478.D	05/21/07 20:17	PB	2	GCMSQ	TO-15	
MSQ189-IC189	Q3479.D	05/21/07 21:00	PB	.5	GCMSQ	TO-15	
MSQ189-IC189	Q3480.D	05/21/07 21:43	PB	.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.12	14.70	0.893	ok	0.892	0.832-0.952
Isopropylbenzene	16.48	14.70	1.121	ok	1.121	1.061-1.181
Isopropyl Alcohol	5.45	8.43	0.647	ok	0.647	0.587-0.707
Methylene chloride	6.20	8.43	0.735	ok	0.735	0.675-0.795
Methyl ethyl ketone	7.80	8.43	0.925	ok	0.925	0.865-0.985
Methyl Isobutyl Ketone	11.92	10.35	1.152	ok	1.152	1.092-1.212
Methyl Tert Butyl Ether	7.45	8.43	0.884	ok	0.884	0.824-0.944
Naphthalene	20.80	14.70	1.415	ok	1.415	1.355-1.475
Nonane	16.03	14.70	1.090	ok	1.091	1.031-1.151
Pentane	5.77	8.43	0.684	ok	0.685	0.625-0.745
Propylene	3.53	8.43	0.419	ok	0.419	0.359-0.479
Styrene	15.71	14.70	1.069	ok	1.069	1.009-1.129
1,1,1-Trichloroethane	9.56	8.43	1.134	ok	1.133	1.073-1.193
1,1,2,2-Tetrachloroethane	15.82	14.70	1.076	ok	1.076	1.016-1.136
1,1,2-Trichloroethane	12.60	10.35	1.217	ok	1.217	1.157-1.277
1,2,4-Trichlorobenzene	20.32	14.70	1.382	ok	1.383	1.323-1.443
1,2,4-Trimethylbenzene	17.78	14.70	1.210	ok	1.209	1.149-1.269
1,3,5-Trimethylbenzene	17.31	14.70	1.178	ok	1.178	1.118-1.238
2,2,4-Trimethylpentane	11.08	10.35	1.071	ok	1.071	1.011-1.131
Tertiary Butyl Alcohol	6.10	8.43	0.724	ok	0.723	0.663-0.783
Tetrachloroethylene	14.04	14.70	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	8.96	8.43	1.063	ok	1.063	1.003-1.123
Toluene	12.89	10.35	1.245	ok	1.245	1.185-1.305
Trichloroethylene	11.05	10.35	1.068	ok	1.068	1.008-1.128
Trichlorofluoromethane	5.40	8.43	0.641	ok	0.640	0.580-0.700
Vinyl chloride	3.99	8.43	0.473	ok	0.473	0.413-0.533
Vinyl Acetate	7.54	8.43	0.894	ok	0.894	0.834-0.954
m,p-Xylene	15.33	14.70	1.043	ok	1.043	0.983-1.103
o-Xylene	15.83	14.70	1.077	ok	1.077	1.017-1.137

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.43	ok	8.43	8.10-8.76	79073	ok	70239	42143-98335
1,4-Difluorobenzene	10.35	ok	10.35	10.02-10.68	373198	ok	321291	192775-449807
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	314580	ok	275768	165461-386075

Initial Calibration Retention Time/Internal Standard Area Summary

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MSQ189-IC189	Q3474.D	05/21/07 17:28	PB	40	GCMSQ	TO-15	
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MSQ189-ICC189	Q3476.D	05/21/07 18:52	PB	10	GCMSQ	TO-15	Reporting this level
MSQ189-IC189	Q3477.D	05/21/07 19:34	PB	5	GCMSQ	TO-15	
MSQ189-IC189	Q3478.D	05/21/07 20:17	PB	2	GCMSQ	TO-15	
MSQ189-IC189	Q3479.D	05/21/07 21:00	PB	.5	GCMSQ	TO-15	
MSQ189-IC189	Q3480.D	05/21/07 21:43	PB	.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.20	8.43	0.617	ok	0.617	0.557-0.677
1,3-Butadiene	4.13	8.43	0.490	ok	0.490	0.430-0.550
Benzene	10.01	10.35	0.967	ok	0.968	0.908-1.028
Bromodichloromethane	11.01	10.35	1.064	ok	1.064	1.004-1.124
Bromoform	15.42	14.70	1.049	ok	1.049	0.989-1.109
Bromomethane	4.41	8.43	0.523	ok	0.523	0.463-0.583
Bromoethene	4.95	8.43	0.587	ok	0.588	0.528-0.648
Benzyl Chloride	17.94	14.70	1.220	ok	1.220	1.160-1.280
Carbon disulfide	6.53	8.43	0.775	ok	0.775	0.715-0.835
Chlorobenzene	14.74	14.70	1.003	ok	1.003	0.943-1.063
Chloroethane	4.58	8.43	0.543	ok	0.544	0.484-0.604
Chloroform	8.56	8.43	1.015	ok	1.015	0.955-1.075
Chloromethane	3.77	8.43	0.447	ok	0.447	0.387-0.507
3-Chloropropene	6.33	8.43	0.751	ok	0.751	0.691-0.811
2-Chlorotoluene	17.03	14.70	1.159	ok	1.159	1.099-1.219
Carbon tetrachloride	10.16	8.43	1.205	ok	1.206	1.146-1.266
Cyclohexane	10.29	10.35	0.994	ok	0.994	0.934-1.054
1,1-Dichloroethane	7.40	8.43	0.878	ok	0.878	0.818-0.938
1,1-Dichloroethylene	6.08	8.43	0.721	ok	0.721	0.661-0.781
1,2-Dibromoethane	13.57	14.70	0.923	ok	0.923	0.863-0.983
1,2-Dichloroethane	9.30	8.43	1.103	ok	1.103	1.043-1.163
1,2-Dichloropropane	10.82	10.35	1.045	ok	1.046	0.986-1.106
1,4-Dioxane	11.05	10.35	1.068	ok	1.067	1.007-1.127
Dichlorodifluoromethane	3.60	8.43	0.427	ok	0.427	0.367-0.487
Dibromochloromethane	13.32	14.70	0.906	ok	0.906	0.846-0.966
trans-1,2-Dichloroethylene	7.19	8.43	0.853	ok	0.853	0.793-0.913
cis-1,2-Dichloroethylene	8.26	8.43	0.980	ok	0.980	0.920-1.040
cis-1,3-Dichloropropene	11.90	10.35	1.150	ok	1.150	1.090-1.210
m-Dichlorobenzene	17.96	14.70	1.222	ok	1.222	1.162-1.282
o-Dichlorobenzene	18.42	14.70	1.253	ok	1.253	1.193-1.313
p-Dichlorobenzene	18.03	14.70	1.227	ok	1.227	1.167-1.287
trans-1,3-Dichloropropene	12.42	10.35	1.200	ok	1.200	1.140-1.260
Ethanol	4.68	8.43	0.555	ok	0.556	0.496-0.616
Ethylbenzene	15.13	14.70	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.47	8.43	1.005	ok	1.004	0.944-1.064
4-Ethyltoluene	17.22	14.70	1.171	ok	1.172	1.112-1.232
Freon 113	6.48	8.43	0.769	ok	0.768	0.708-0.828
Freon 114	3.87	8.43	0.459	ok	0.459	0.399-0.519
Heptane	11.33	10.35	1.095	ok	1.095	1.035-1.155
Hexachlorobutadiene	20.81	14.70	1.416	ok	1.416	1.356-1.476
Hexane	8.46	8.43	1.004	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65503
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ189-IC189	Q3474.D	05/21/07 17:28	PB	40	GCMSQ	TO-15	
MSQ189-IC189	Q3475.D	05/21/07 18:09	PB	20	GCMSQ	TO-15	
MSQ189-ICC189	Q3476.D	05/21/07 18:52	PB	10	GCMSQ	TO-15	Reporting this level
MSQ189-IC189	Q3477.D	05/21/07 19:34	PB	5	GCMSQ	TO-15	
MSQ189-IC189	Q3478.D	05/21/07 20:17	PB	2	GCMSQ	TO-15	
MSQ189-IC189	Q3479.D	05/21/07 21:00	PB	.5	GCMSQ	TO-15	
MSQ189-IC189	Q3480.D	05/21/07 21:43	PB	.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.11	14.70	0.892	ok	0.892	0.832-0.952
Isopropylbenzene	16.48	14.70	1.121	ok	1.121	1.061-1.181
Isopropyl Alcohol	5.45	8.43	0.647	ok	0.647	0.587-0.707
Methylene chloride	6.20	8.43	0.735	ok	0.735	0.675-0.795
Methyl ethyl ketone	7.80	8.43	0.925	ok	0.925	0.865-0.985
Methyl Isobutyl Ketone	11.92	10.35	1.152	ok	1.152	1.092-1.212
Methyl Tert Butyl Ether	7.45	8.43	0.884	ok	0.884	0.824-0.944
Nonane	16.03	14.70	1.090	ok	1.091	1.031-1.151
Pentane	5.78	8.43	0.686	ok	0.685	0.625-0.745
Propylene	3.53	8.43	0.419	ok	0.419	0.359-0.479
Styrene	15.71	14.70	1.069	ok	1.069	1.009-1.129
1,1,1-Trichloroethane	9.55	8.43	1.133	ok	1.133	1.073-1.193
1,1,2,2-Tetrachloroethane	15.81	14.70	1.076	ok	1.076	1.016-1.136
1,1,2-Trichloroethane	12.60	10.35	1.217	ok	1.217	1.157-1.277
1,2,4-Trichlorobenzene	20.32	14.70	1.382	ok	1.383	1.323-1.443
1,2,4-Trimethylbenzene	17.77	14.70	1.209	ok	1.209	1.149-1.269
1,3,5-Trimethylbenzene	17.31	14.70	1.178	ok	1.178	1.118-1.238
2,2,4-Trimethylpentane	11.08	10.35	1.071	ok	1.071	1.011-1.131
Tertiary Butyl Alcohol	6.09	8.43	0.722	ok	0.723	0.663-0.783
Tetrachloroethylene	14.04	14.70	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	8.96	8.43	1.063	ok	1.063	1.003-1.123
Toluene	12.88	10.35	1.244	ok	1.245	1.185-1.305
Trichloroethylene	11.05	10.35	1.068	ok	1.068	1.008-1.128
Trichlorofluoromethane	5.40	8.43	0.641	ok	0.640	0.580-0.700
Vinyl chloride	3.99	8.43	0.473	ok	0.473	0.413-0.533
Vinyl Acetate	7.54	8.43	0.894	ok	0.894	0.834-0.954
m,p-Xylene	15.33	14.70	1.043	ok	1.043	0.983-1.103
o-Xylene	15.83	14.70	1.077	ok	1.077	1.017-1.137

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.43	ok	8.43	8.10-8.76	78900	ok	70239	42143-98335
1,4-Difluorobenzene	10.35	ok	10.35	10.02-10.68	358303	ok	321291	192775-449807
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	293813	ok	275768	165461-386075

Initial Calibration Retention Time/Internal Standard Area Summary

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MSQ189-ICC189	Q3476.D	05/21/07 18:52	PB	10	GCMSQ	TO-15	
MSQ189-IC189	Q3477.D	05/21/07 19:34	PB	5	GCMSQ	TO-15	Reporting this level
MSQ189-IC189	Q3478.D	05/21/07 20:17	PB	2	GCMSQ	TO-15	
MSQ189-IC189	Q3479.D	05/21/07 21:00	PB	.5	GCMSQ	TO-15	
MSQ189-IC189	Q3480.D	05/21/07 21:43	PB	.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.20	8.43	0.617	ok	0.617	0.557-0.677
1,3-Butadiene	4.13	8.43	0.490	ok	0.490	0.430-0.550
Benzene	10.02	10.35	0.968	ok	0.968	0.908-1.028
Bromodichloromethane	11.01	10.35	1.064	ok	1.064	1.004-1.124
Bromoform	15.42	14.69	1.050	ok	1.049	0.989-1.109
Bromomethane	4.41	8.43	0.523	ok	0.523	0.463-0.583
Bromoethene	4.96	8.43	0.588	ok	0.588	0.528-0.648
Benzyl Chloride	17.94	14.69	1.221	ok	1.220	1.160-1.280
Carbon disulfide	6.53	8.43	0.775	ok	0.775	0.715-0.835
Chlorobenzene	14.74	14.69	1.003	ok	1.003	0.943-1.063
Chloroethane	4.58	8.43	0.543	ok	0.544	0.484-0.604
Chloroform	8.56	8.43	1.015	ok	1.015	0.955-1.075
Chloromethane	3.77	8.43	0.447	ok	0.447	0.387-0.507
3-Chloropropene	6.33	8.43	0.751	ok	0.751	0.691-0.811
2-Chlorotoluene	17.03	14.69	1.159	ok	1.159	1.099-1.219
Carbon tetrachloride	10.16	8.43	1.205	ok	1.206	1.146-1.266
Cyclohexane	10.29	10.35	0.994	ok	0.994	0.934-1.054
1,1-Dichloroethane	7.40	8.43	0.878	ok	0.878	0.818-0.938
1,1-Dichloroethylene	6.08	8.43	0.721	ok	0.721	0.661-0.781
1,2-Dibromoethane	13.57	14.69	0.924	ok	0.923	0.863-0.983
1,2-Dichloroethane	9.30	8.43	1.103	ok	1.103	1.043-1.163
1,2-Dichloropropane	10.82	10.35	1.045	ok	1.046	0.986-1.106
1,4-Dioxane	11.04	10.35	1.067	ok	1.067	1.007-1.127
Dichlorodifluoromethane	3.60	8.43	0.427	ok	0.427	0.367-0.487
Dibromochloromethane	13.32	14.69	0.907	ok	0.906	0.846-0.966
trans-1,2-Dichloroethylene	7.19	8.43	0.853	ok	0.853	0.793-0.913
cis-1,2-Dichloroethylene	8.26	8.43	0.980	ok	0.980	0.920-1.040
cis-1,3-Dichloropropene	11.90	10.35	1.150	ok	1.150	1.090-1.210
m-Dichlorobenzene	17.96	14.69	1.223	ok	1.222	1.162-1.282
o-Dichlorobenzene	18.42	14.69	1.254	ok	1.253	1.193-1.313
p-Dichlorobenzene	18.03	14.69	1.227	ok	1.227	1.167-1.287
trans-1,3-Dichloropropene	12.41	10.35	1.199	ok	1.200	1.140-1.260
Ethanol	4.68	8.43	0.555	ok	0.556	0.496-0.616
Ethylbenzene	15.13	14.69	1.030	ok	1.029	0.969-1.089
Ethyl Acetate	8.47	8.43	1.005	ok	1.004	0.944-1.064
4-Ethyltoluene	17.23	14.69	1.173	ok	1.172	1.112-1.232
Freon 113	6.47	8.43	0.767	ok	0.768	0.708-0.828
Freon 114	3.87	8.43	0.459	ok	0.459	0.399-0.519
Heptane	11.33	10.35	1.095	ok	1.095	1.035-1.155
Hexachlorobutadiene	20.81	14.69	1.417	ok	1.416	1.356-1.476
Hexane	8.47	8.43	1.005	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65503
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ189-IC189	Q3474.D	05/21/07 17:28	PB	40	GCMSQ	TO-15	
MSQ189-IC189	Q3475.D	05/21/07 18:09	PB	20	GCMSQ	TO-15	
MSQ189-ICC189	Q3476.D	05/21/07 18:52	PB	10	GCMSQ	TO-15	
MSQ189-IC189	Q3477.D	05/21/07 19:34	PB	5	GCMSQ	TO-15	Reporting this level
MSQ189-IC189	Q3478.D	05/21/07 20:17	PB	2	GCMSQ	TO-15	
MSQ189-IC189	Q3479.D	05/21/07 21:00	PB	.5	GCMSQ	TO-15	
MSQ189-IC189	Q3480.D	05/21/07 21:43	PB	.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.11	14.69	0.892	ok	0.892	0.832-0.952
Isopropylbenzene	16.48	14.69	1.122	ok	1.121	1.061-1.181
Isopropyl Alcohol	5.45	8.43	0.647	ok	0.647	0.587-0.707
Methylene chloride	6.20	8.43	0.735	ok	0.735	0.675-0.795
Methyl ethyl ketone	7.80	8.43	0.925	ok	0.925	0.865-0.985
Methyl Isobutyl Ketone	11.92	10.35	1.152	ok	1.152	1.092-1.212
Methyl Tert Butyl Ether	7.45	8.43	0.884	ok	0.884	0.824-0.944
Nonane	16.03	14.69	1.091	ok	1.091	1.031-1.151
Pentane	5.78	8.43	0.686	ok	0.685	0.625-0.745
Propylene	3.54	8.43	0.420	ok	0.419	0.359-0.479
Styrene	15.71	14.69	1.069	ok	1.069	1.009-1.129
1,1,1-Trichloroethane	9.55	8.43	1.133	ok	1.133	1.073-1.193
1,1,2,2-Tetrachloroethane	15.82	14.69	1.077	ok	1.076	1.016-1.136
1,1,2-Trichloroethane	12.60	10.35	1.217	ok	1.217	1.157-1.277
1,2,4-Trichlorobenzene	20.33	14.69	1.384	ok	1.383	1.323-1.443
1,2,4-Trimethylbenzene	17.77	14.69	1.210	ok	1.209	1.149-1.269
1,3,5-Trimethylbenzene	17.31	14.69	1.178	ok	1.178	1.118-1.238
2,2,4-Trimethylpentane	11.08	10.35	1.071	ok	1.071	1.011-1.131
Tertiary Butyl Alcohol	6.10	8.43	0.724	ok	0.723	0.663-0.783
Tetrachloroethylene	14.03	14.69	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	8.96	8.43	1.063	ok	1.063	1.003-1.123
Toluene	12.88	10.35	1.244	ok	1.245	1.185-1.305
Trichloroethylene	11.06	10.35	1.069	ok	1.068	1.008-1.128
Trichlorofluoromethane	5.40	8.43	0.641	ok	0.640	0.580-0.700
Vinyl chloride	3.99	8.43	0.473	ok	0.473	0.413-0.533
Vinyl Acetate	7.54	8.43	0.894	ok	0.894	0.834-0.954
m,p-Xylene	15.32	14.69	1.043	ok	1.043	0.983-1.103
o-Xylene	15.83	14.69	1.078	ok	1.077	1.017-1.137

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.43	ok	8.43	8.10-8.76	71655	ok	70239	42143-98335
1,4-Difluorobenzene	10.35	ok	10.35	10.02-10.68	344891	ok	321291	192775-449807
Chlorobenzene-D5	14.69	ok	14.70	14.37-15.03	288502	ok	275768	165461-386075

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65503
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ189-IC189	Q3474.D	05/21/07 17:28	PB	40	GCMSQ	TO-15	
MSQ189-IC189	Q3475.D	05/21/07 18:09	PB	20	GCMSQ	TO-15	
MSQ189-ICC189	Q3476.D	05/21/07 18:52	PB	10	GCMSQ	TO-15	
MSQ189-IC189	Q3477.D	05/21/07 19:34	PB	5	GCMSQ	TO-15	
MSQ189-IC189	Q3478.D	05/21/07 20:17	PB	2	GCMSQ	TO-15	Reporting this level
MSQ189-IC189	Q3479.D	05/21/07 21:00	PB	.5	GCMSQ	TO-15	
MSQ189-IC189	Q3480.D	05/21/07 21:43	PB	.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.20	8.43	0.617	ok	0.617	0.557-0.677
1,3-Butadiene	4.13	8.43	0.490	ok	0.490	0.430-0.550
Benzene	10.01	10.35	0.967	ok	0.968	0.908-1.028
Bromodichloromethane	11.01	10.35	1.064	ok	1.064	1.004-1.124
Bromoform	15.42	14.70	1.049	ok	1.049	0.989-1.109
Bromomethane	4.41	8.43	0.523	ok	0.523	0.463-0.583
Bromoethene	4.95	8.43	0.587	ok	0.588	0.528-0.648
Benzyl Chloride	17.93	14.70	1.220	ok	1.220	1.160-1.280
Carbon disulfide	6.54	8.43	0.776	ok	0.775	0.715-0.835
Chlorobenzene	14.74	14.70	1.003	ok	1.003	0.943-1.063
Chloroethane	4.59	8.43	0.544	ok	0.544	0.484-0.604
Chloroform	8.55	8.43	1.014	ok	1.015	0.955-1.075
Chloromethane	3.77	8.43	0.447	ok	0.447	0.387-0.507
3-Chloropropene	6.33	8.43	0.751	ok	0.751	0.691-0.811
2-Chlorotoluene	17.03	14.70	1.159	ok	1.159	1.099-1.219
Carbon tetrachloride	10.16	8.43	1.205	ok	1.206	1.146-1.266
Cyclohexane	10.29	10.35	0.994	ok	0.994	0.934-1.054
1,1-Dichloroethane	7.40	8.43	0.878	ok	0.878	0.818-0.938
1,1-Dichloroethylene	6.08	8.43	0.721	ok	0.721	0.661-0.781
1,2-Dibromoethane	13.57	14.70	0.923	ok	0.923	0.863-0.983
1,2-Dichloroethane	9.30	8.43	1.103	ok	1.103	1.043-1.163
1,2-Dichloropropane	10.83	10.35	1.046	ok	1.046	0.986-1.106
1,4-Dioxane	11.05	10.35	1.068	ok	1.067	1.007-1.127
Dichlorodifluoromethane	3.60	8.43	0.427	ok	0.427	0.367-0.487
Dibromochloromethane	13.32	14.70	0.906	ok	0.906	0.846-0.966
trans-1,2-Dichloroethylene	7.19	8.43	0.853	ok	0.853	0.793-0.913
cis-1,2-Dichloroethylene	8.26	8.43	0.980	ok	0.980	0.920-1.040
cis-1,3-Dichloropropene	11.90	10.35	1.150	ok	1.150	1.090-1.210
m-Dichlorobenzene	17.96	14.70	1.222	ok	1.222	1.162-1.282
o-Dichlorobenzene	18.42	14.70	1.253	ok	1.253	1.193-1.313
p-Dichlorobenzene	18.03	14.70	1.227	ok	1.227	1.167-1.287
trans-1,3-Dichloropropene	12.42	10.35	1.200	ok	1.200	1.140-1.260
Ethanol	4.69	8.43	0.556	ok	0.556	0.496-0.616
Ethylbenzene	15.13	14.70	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.46	8.43	1.004	ok	1.004	0.944-1.064
4-Ethyltoluene	17.22	14.70	1.171	ok	1.172	1.112-1.232
Freon 113	6.48	8.43	0.769	ok	0.768	0.708-0.828
Freon 114	3.87	8.43	0.459	ok	0.459	0.399-0.519
Heptane	11.33	10.35	1.095	ok	1.095	1.035-1.155
Hexachlorobutadiene	20.81	14.70	1.416	ok	1.416	1.356-1.476
Hexane	8.46	8.43	1.004	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65503
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ189-IC189	Q3474.D	05/21/07 17:28	PB	40	GCMSQ	TO-15	
MSQ189-IC189	Q3475.D	05/21/07 18:09	PB	20	GCMSQ	TO-15	
MSQ189-ICC189	Q3476.D	05/21/07 18:52	PB	10	GCMSQ	TO-15	
MSQ189-IC189	Q3477.D	05/21/07 19:34	PB	5	GCMSQ	TO-15	
MSQ189-IC189	Q3478.D	05/21/07 20:17	PB	2	GCMSQ	TO-15	Reporting this level
MSQ189-IC189	Q3479.D	05/21/07 21:00	PB	.5	GCMSQ	TO-15	
MSQ189-IC189	Q3480.D	05/21/07 21:43	PB	.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.11	14.70	0.892	ok	0.892	0.832-0.952
Isopropylbenzene	16.48	14.70	1.121	ok	1.121	1.061-1.181
Isopropyl Alcohol	5.46	8.43	0.648	ok	0.647	0.587-0.707
Methylene chloride	6.20	8.43	0.735	ok	0.735	0.675-0.795
Methyl ethyl ketone	7.80	8.43	0.925	ok	0.925	0.865-0.985
Methyl Isobutyl Ketone	11.92	10.35	1.152	ok	1.152	1.092-1.212
Methyl Tert Butyl Ether	7.45	8.43	0.884	ok	0.884	0.824-0.944
Nonane	16.03	14.70	1.090	ok	1.091	1.031-1.151
Pentane	5.78	8.43	0.686	ok	0.685	0.625-0.745
Propylene	3.53	8.43	0.419	ok	0.419	0.359-0.479
Styrene	15.71	14.70	1.069	ok	1.069	1.009-1.129
1,1,1-Trichloroethane	9.55	8.43	1.133	ok	1.133	1.073-1.193
1,1,2,2-Tetrachloroethane	15.82	14.70	1.076	ok	1.076	1.016-1.136
1,1,2-Trichloroethane	12.60	10.35	1.217	ok	1.217	1.157-1.277
1,2,4-Trichlorobenzene	20.32	14.70	1.382	ok	1.383	1.323-1.443
1,2,4-Trimethylbenzene	17.78	14.70	1.210	ok	1.209	1.149-1.269
1,3,5-Trimethylbenzene	17.31	14.70	1.178	ok	1.178	1.118-1.238
2,2,4-Trimethylpentane	11.08	10.35	1.071	ok	1.071	1.011-1.131
Tertiary Butyl Alcohol	6.10	8.43	0.724	ok	0.723	0.663-0.783
Tetrachloroethylene	14.03	14.70	0.954	ok	0.955	0.895-1.015
Tetrahydrofuran	8.96	8.43	1.063	ok	1.063	1.003-1.123
Toluene	12.89	10.35	1.245	ok	1.245	1.185-1.305
Trichloroethylene	11.05	10.35	1.068	ok	1.068	1.008-1.128
Trichlorofluoromethane	5.40	8.43	0.641	ok	0.640	0.580-0.700
Vinyl chloride	3.99	8.43	0.473	ok	0.473	0.413-0.533
Vinyl Acetate	7.54	8.43	0.894	ok	0.894	0.834-0.954
m,p-Xylene	15.31	14.70	1.041	ok	1.043	0.983-1.103
o-Xylene	15.83	14.70	1.077	ok	1.077	1.017-1.137

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.43	ok	8.43	8.10-8.76	65307	ok	70239	42143-98335
1,4-Difluorobenzene	10.35	ok	10.35	10.02-10.68	269535	ok	321291	192775-449807
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	228997	ok	275768	165461-386075

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65503
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ189-IC189	Q3474.D	05/21/07 17:28	PB	40	GCMSQ	TO-15	
MSQ189-IC189	Q3475.D	05/21/07 18:09	PB	20	GCMSQ	TO-15	
MSQ189-ICC189	Q3476.D	05/21/07 18:52	PB	10	GCMSQ	TO-15	
MSQ189-IC189	Q3477.D	05/21/07 19:34	PB	5	GCMSQ	TO-15	
MSQ189-IC189	Q3478.D	05/21/07 20:17	PB	2	GCMSQ	TO-15	
MSQ189-IC189	Q3479.D	05/21/07 21:00	PB	.5	GCMSQ	TO-15	Reporting this level
MSQ189-IC189	Q3480.D	05/21/07 21:43	PB	.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.21	8.43	0.618	ok	0.617	0.557-0.677
1,3-Butadiene	4.13	8.43	0.490	ok	0.490	0.430-0.550
Benzene	10.01	10.34	0.968	ok	0.968	0.908-1.028
Bromodichloromethane	11.01	10.34	1.065	ok	1.064	1.004-1.124
Bromoform	15.42	14.70	1.049	ok	1.049	0.989-1.109
Bromomethane	4.41	8.43	0.523	ok	0.523	0.463-0.583
Bromoethene	4.95	8.43	0.587	ok	0.588	0.528-0.648
Benzyl Chloride	17.94	14.70	1.220	ok	1.220	1.160-1.280
Carbon disulfide	6.53	8.43	0.775	ok	0.775	0.715-0.835
Chlorobenzene	14.74	14.70	1.003	ok	1.003	0.943-1.063
Chloroethane	4.59	8.43	0.544	ok	0.544	0.484-0.604
Chloroform	8.55	8.43	1.014	ok	1.015	0.955-1.075
Chloromethane	3.77	8.43	0.447	ok	0.447	0.387-0.507
3-Chloropropene	6.33	8.43	0.751	ok	0.751	0.691-0.811
2-Chlorotoluene	17.03	14.70	1.159	ok	1.159	1.099-1.219
Carbon tetrachloride	10.16	8.43	1.205	ok	1.206	1.146-1.266
Cyclohexane	10.29	10.34	0.995	ok	0.994	0.934-1.054
1,1-Dichloroethane	7.39	8.43	0.877	ok	0.878	0.818-0.938
1,1-Dichloroethylene	6.08	8.43	0.721	ok	0.721	0.661-0.781
1,2-Dibromoethane	13.57	14.70	0.923	ok	0.923	0.863-0.983
1,2-Dichloroethane	9.30	8.43	1.103	ok	1.103	1.043-1.163
1,2-Dichloropropane	10.81	10.34	1.045	ok	1.046	0.986-1.106
1,4-Dioxane	11.05	10.34	1.069	ok	1.067	1.007-1.127
Dichlorodifluoromethane	3.60	8.43	0.427	ok	0.427	0.367-0.487
Dibromochloromethane	13.31	14.70	0.905	ok	0.906	0.846-0.966
trans-1,2-Dichloroethylene	7.18	8.43	0.852	ok	0.853	0.793-0.913
cis-1,2-Dichloroethylene	8.26	8.43	0.980	ok	0.980	0.920-1.040
cis-1,3-Dichloropropene	11.90	10.34	1.151	ok	1.150	1.090-1.210
m-Dichlorobenzene	17.96	14.70	1.222	ok	1.222	1.162-1.282
o-Dichlorobenzene	18.42	14.70	1.253	ok	1.253	1.193-1.313
p-Dichlorobenzene	18.04	14.70	1.227	ok	1.227	1.167-1.287
trans-1,3-Dichloropropene	12.41	10.34	1.200	ok	1.200	1.140-1.260
Ethanol	4.69	8.43	0.556	ok	0.556	0.496-0.616
Ethylbenzene	15.13	14.70	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.47	8.43	1.005	ok	1.004	0.944-1.064
4-Ethyltoluene	17.22	14.70	1.171	ok	1.172	1.112-1.232
Freon 113	6.48	8.43	0.769	ok	0.768	0.708-0.828
Freon 114	3.87	8.43	0.459	ok	0.459	0.399-0.519
Heptane	11.33	10.34	1.096	ok	1.095	1.035-1.155
Hexachlorobutadiene	20.81	14.70	1.416	ok	1.416	1.356-1.476
Hexane	8.46	8.43	1.004	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65503
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ189-IC189	Q3474.D	05/21/07 17:28	PB	40	GCMSQ	TO-15	
MSQ189-IC189	Q3475.D	05/21/07 18:09	PB	20	GCMSQ	TO-15	
MSQ189-ICC189	Q3476.D	05/21/07 18:52	PB	10	GCMSQ	TO-15	
MSQ189-IC189	Q3477.D	05/21/07 19:34	PB	5	GCMSQ	TO-15	
MSQ189-IC189	Q3478.D	05/21/07 20:17	PB	2	GCMSQ	TO-15	
MSQ189-IC189	Q3479.D	05/21/07 21:00	PB	.5	GCMSQ	TO-15	Reporting this level
MSQ189-IC189	Q3480.D	05/21/07 21:43	PB	.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.12	14.70	0.893	ok	0.892	0.832-0.952
Isopropylbenzene	16.47	14.70	1.120	ok	1.121	1.061-1.181
Isopropyl Alcohol	5.46	8.43	0.648	ok	0.647	0.587-0.707
Methylene chloride	6.20	8.43	0.735	ok	0.735	0.675-0.795
Methyl ethyl ketone	7.80	8.43	0.925	ok	0.925	0.865-0.985
Methyl Isobutyl Ketone	11.92	10.34	1.153	ok	1.152	1.092-1.212
Methyl Tert Butyl Ether	7.45	8.43	0.884	ok	0.884	0.824-0.944
Nonane	16.04	14.70	1.091	ok	1.091	1.031-1.151
Pentane	5.77	8.43	0.684	ok	0.685	0.625-0.745
Propylene	3.53	8.43	0.419	ok	0.419	0.359-0.479
Styrene	15.71	14.70	1.069	ok	1.069	1.009-1.129
1,1,1-Trichloroethane	9.55	8.43	1.133	ok	1.133	1.073-1.193
1,1,2,2-Tetrachloroethane	15.81	14.70	1.076	ok	1.076	1.016-1.136
1,1,2-Trichloroethane	12.60	10.34	1.219	ok	1.217	1.157-1.277
1,2,4-Trichlorobenzene	20.32	14.70	1.382	ok	1.383	1.323-1.443
1,2,4-Trimethylbenzene	17.78	14.70	1.210	ok	1.209	1.149-1.269
1,3,5-Trimethylbenzene	17.31	14.70	1.178	ok	1.178	1.118-1.238
2,2,4-Trimethylpentane	11.08	10.34	1.072	ok	1.071	1.011-1.131
Tertiary Butyl Alcohol	6.11	8.43	0.725	ok	0.723	0.663-0.783
Tetrachloroethylene	14.04	14.70	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	8.98	8.43	1.065	ok	1.063	1.003-1.123
Toluene	12.88	10.34	1.246	ok	1.245	1.185-1.305
Trichloroethylene	11.05	10.34	1.069	ok	1.068	1.008-1.128
Trichlorofluoromethane	5.40	8.43	0.641	ok	0.640	0.580-0.700
Vinyl chloride	4.00	8.43	0.474	ok	0.473	0.413-0.533
Vinyl Acetate	7.54	8.43	0.894	ok	0.894	0.834-0.954
m,p-Xylene	15.33	14.70	1.043	ok	1.043	0.983-1.103
o-Xylene	15.83	14.70	1.077	ok	1.077	1.017-1.137

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.43	ok	8.43	8.10-8.76	66653	ok	70239	42143-98335
1,4-Difluorobenzene	10.34	ok	10.35	10.02-10.68	314660	ok	321291	192775-449807
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	268589	ok	275768	165461-386075

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65503
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ189-IC189	Q3474.D	05/21/07 17:28	PB	40	GCMSQ	TO-15	
MSQ189-IC189	Q3475.D	05/21/07 18:09	PB	20	GCMSQ	TO-15	
MSQ189-ICC189	Q3476.D	05/21/07 18:52	PB	10	GCMSQ	TO-15	
MSQ189-IC189	Q3477.D	05/21/07 19:34	PB	5	GCMSQ	TO-15	
MSQ189-IC189	Q3478.D	05/21/07 20:17	PB	2	GCMSQ	TO-15	
MSQ189-IC189	Q3479.D	05/21/07 21:00	PB	.5	GCMSQ	TO-15	
MSQ189-IC189	Q3480.D	05/21/07 21:43	PB	.2	GCMSQ	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.21	8.43	0.618	ok	0.617	0.557-0.677
1,3-Butadiene	4.13	8.43	0.490	ok	0.490	0.430-0.550
Benzene	10.01	10.35	0.967	ok	0.968	0.908-1.028
Bromodichloromethane	11.01	10.35	1.064	ok	1.064	1.004-1.124
Bromomethane	4.40	8.43	0.522	ok	0.523	0.463-0.583
Bromoethene	4.96	8.43	0.588	ok	0.588	0.528-0.648
Benzyl Chloride	17.94	14.70	1.220	ok	1.220	1.160-1.280
Carbon disulfide	6.53	8.43	0.775	ok	0.775	0.715-0.835
Chloroethane	4.59	8.43	0.544	ok	0.544	0.484-0.604
Chloroform	8.56	8.43	1.015	ok	1.015	0.955-1.075
Chloromethane	3.77	8.43	0.447	ok	0.447	0.387-0.507
3-Chloropropene	6.33	8.43	0.751	ok	0.751	0.691-0.811
2-Chlorotoluene	17.03	14.70	1.159	ok	1.159	1.099-1.219
Carbon tetrachloride	10.17	8.43	1.206	ok	1.206	1.146-1.266
1,1-Dichloroethane	7.40	8.43	0.878	ok	0.878	0.818-0.938
1,1-Dichloroethylene	6.07	8.43	0.720	ok	0.721	0.661-0.781
1,2-Dibromoethane	13.57	14.70	0.923	ok	0.923	0.863-0.983
1,2-Dichloroethane	9.30	8.43	1.103	ok	1.103	1.043-1.163
1,2-Dichloropropane	10.82	10.35	1.045	ok	1.046	0.986-1.106
Dichlorodifluoromethane	3.61	8.43	0.428	ok	0.427	0.367-0.487
Dibromochloromethane	13.31	14.70	0.905	ok	0.906	0.846-0.966
trans-1,2-Dichloroethylene	7.20	8.43	0.854	ok	0.853	0.793-0.913
cis-1,2-Dichloroethylene	8.27	8.43	0.981	ok	0.980	0.920-1.040
m-Dichlorobenzene	17.96	14.70	1.222	ok	1.222	1.162-1.282
o-Dichlorobenzene	18.42	14.70	1.253	ok	1.253	1.193-1.313
p-Dichlorobenzene	18.03	14.70	1.227	ok	1.227	1.167-1.287
4-Ethyltoluene	17.22	14.70	1.171	ok	1.172	1.112-1.232
Freon 113	6.47	8.43	0.767	ok	0.768	0.708-0.828
Freon 114	3.87	8.43	0.459	ok	0.459	0.399-0.519
Heptane	11.32	10.35	1.094	ok	1.095	1.035-1.155
Hexachlorobutadiene	20.81	14.70	1.416	ok	1.416	1.356-1.476
Isopropylbenzene	16.47	14.70	1.120	ok	1.121	1.061-1.181
Isopropyl Alcohol	5.46	8.43	0.648	ok	0.647	0.587-0.707
Methylene chloride	6.20	8.43	0.735	ok	0.735	0.675-0.795
Methyl Tert Butyl Ether	7.46	8.43	0.885	ok	0.884	0.824-0.944
Pentane	5.77	8.43	0.684	ok	0.685	0.625-0.745
1,1,1-Trichloroethane	9.55	8.43	1.133	ok	1.133	1.073-1.193
1,1,2,2-Tetrachloroethane	15.82	14.70	1.076	ok	1.076	1.016-1.136
1,1,2-Trichloroethane	12.58	10.35	1.215	ok	1.217	1.157-1.277
1,2,4-Trichlorobenzene	20.33	14.70	1.383	ok	1.383	1.323-1.443
1,2,4-Trimethylbenzene	17.78	14.70	1.210	ok	1.209	1.149-1.269

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65503
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ189-IC189	Q3474.D	05/21/07 17:28	PB	40	GCMSQ	TO-15	
MSQ189-IC189	Q3475.D	05/21/07 18:09	PB	20	GCMSQ	TO-15	
MSQ189-ICC189	Q3476.D	05/21/07 18:52	PB	10	GCMSQ	TO-15	
MSQ189-IC189	Q3477.D	05/21/07 19:34	PB	5	GCMSQ	TO-15	
MSQ189-IC189	Q3478.D	05/21/07 20:17	PB	2	GCMSQ	TO-15	
MSQ189-IC189	Q3479.D	05/21/07 21:00	PB	.5	GCMSQ	TO-15	
MSQ189-IC189	Q3480.D	05/21/07 21:43	PB	.2	GCMSQ	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
1,3,5-Trimethylbenzene	17.31	14.70	1.178	ok	1.178	1.118-1.238
2,2,4-Trimethylpentane	11.08	10.35	1.071	ok	1.071	1.011-1.131
Tertiary Butyl Alcohol	6.10	8.43	0.724	ok	0.723	0.663-0.783
Tetrachloroethylene	14.03	14.70	0.954	ok	0.955	0.895-1.015
Toluene	12.88	10.35	1.244	ok	1.245	1.185-1.305
Trichloroethylene	11.06	10.35	1.069	ok	1.068	1.008-1.128
Trichlorofluoromethane	5.40	8.43	0.641	ok	0.640	0.580-0.700
Vinyl chloride	3.99	8.43	0.473	ok	0.473	0.413-0.533
Vinyl Acetate	7.53	8.43	0.893	ok	0.894	0.834-0.954

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.43	ok	8.43	8.10-8.76	48618	ok	70239	42143-98335
1,4-Difluorobenzene	10.35	ok	10.35	10.02-10.68	225306	ok	321291	192775-449807
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	206831	ok	275768	165461-386075

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65503
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ193-IC193	Q3559.D	05/30/07 11:43	PB	5	GCMSQ	TO-15	Reporting this level
MSQ193-IC193	Q3560.D	05/30/07 12:25	PB	2	GCMSQ	TO-15	
MSQ193-IC193	Q3561.D	05/30/07 13:09	PB	.5	GCMSQ	TO-15	
MSQ193-IC193	Q3562.D	05/30/07 13:51	PB	.2	GCMSQ	TO-15	
MSQ193-IC193	Q3563.D	05/30/07 14:34	PB	40	GCMSQ	TO-15	
MSQ193-IC193	Q3564.D	05/30/07 15:27	PB	20	GCMSQ	TO-15	
MSQ193-ICC193	Q3565.D	05/30/07 16:10	PB	10	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.21	8.43	0.618	ok	0.618	0.558-0.678
1,3-Butadiene	4.14	8.43	0.491	ok	0.491	0.431-0.551
Benzene	10.02	10.35	0.968	ok	0.968	0.908-1.028
Bromodichloromethane	11.02	10.35	1.065	ok	1.064	1.004-1.124
Bromoform	15.42	14.70	1.049	ok	1.049	0.989-1.109
Bromomethane	4.42	8.43	0.524	ok	0.524	0.464-0.584
Bromoethene	4.96	8.43	0.588	ok	0.588	0.528-0.648
Benzyl Chloride	17.93	14.70	1.220	ok	1.220	1.160-1.280
Carbon disulfide	6.54	8.43	0.776	ok	0.775	0.715-0.835
Chlorobenzene	14.74	14.70	1.003	ok	1.003	0.943-1.063
Chloroethane	4.59	8.43	0.544	ok	0.544	0.484-0.604
Chloroform	8.56	8.43	1.015	ok	1.016	0.956-1.076
Chloromethane	3.78	8.43	0.448	ok	0.448	0.388-0.508
3-Chloropropene	6.33	8.43	0.751	ok	0.751	0.691-0.811
2-Chlorotoluene	17.03	14.70	1.159	ok	1.159	1.099-1.219
Carbon tetrachloride	10.17	8.43	1.206	ok	1.206	1.146-1.266
Cyclohexane	10.29	10.35	0.994	ok	0.994	0.934-1.054
1,1-Dichloroethane	7.41	8.43	0.879	ok	0.878	0.818-0.938
1,1-Dichloroethylene	6.08	8.43	0.721	ok	0.722	0.662-0.782
1,2-Dibromoethane	13.57	14.70	0.923	ok	0.923	0.863-0.983
1,2-Dichloroethane	9.30	8.43	1.103	ok	1.103	1.043-1.163
1,2-Dichloropropane	10.82	10.35	1.045	ok	1.046	0.986-1.106
1,4-Dioxane	11.05	10.35	1.068	ok	1.067	1.007-1.127
Dichlorodifluoromethane	3.61	8.43	0.428	ok	0.428	0.368-0.488
Dibromochloromethane	13.32	14.70	0.906	ok	0.906	0.846-0.966
trans-1,2-Dichloroethylene	7.20	8.43	0.854	ok	0.854	0.794-0.914
cis-1,2-Dichloroethylene	8.26	8.43	0.980	ok	0.980	0.920-1.040
cis-1,3-Dichloropropene	11.90	10.35	1.150	ok	1.150	1.090-1.210
m-Dichlorobenzene	17.95	14.70	1.221	ok	1.222	1.162-1.282
o-Dichlorobenzene	18.42	14.70	1.253	ok	1.253	1.193-1.313
p-Dichlorobenzene	18.03	14.70	1.227	ok	1.227	1.167-1.287
trans-1,3-Dichloropropene	12.42	10.35	1.200	ok	1.200	1.140-1.260
Ethanol	4.70	8.43	0.558	ok	0.557	0.497-0.617
Ethylbenzene	15.13	14.70	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.47	8.43	1.005	ok	1.005	0.945-1.065
4-Ethyltoluene	17.22	14.70	1.171	ok	1.172	1.112-1.232
Freon 113	6.48	8.43	0.769	ok	0.769	0.709-0.829
Freon 114	3.88	8.43	0.460	ok	0.459	0.399-0.519
Heptane	11.33	10.35	1.095	ok	1.095	1.035-1.155
Hexachlorobutadiene	20.81	14.70	1.416	ok	1.416	1.356-1.476
Hexane	8.47	8.43	1.005	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65503
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ193-IC193	Q3559.D	05/30/07 11:43	PB	5	GCMSQ	TO-15	Reporting this level
MSQ193-IC193	Q3560.D	05/30/07 12:25	PB	2	GCMSQ	TO-15	
MSQ193-IC193	Q3561.D	05/30/07 13:09	PB	.5	GCMSQ	TO-15	
MSQ193-IC193	Q3562.D	05/30/07 13:51	PB	.2	GCMSQ	TO-15	
MSQ193-IC193	Q3563.D	05/30/07 14:34	PB	40	GCMSQ	TO-15	
MSQ193-IC193	Q3564.D	05/30/07 15:27	PB	20	GCMSQ	TO-15	
MSQ193-ICC193	Q3565.D	05/30/07 16:10	PB	10	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.12	14.70	0.893	ok	0.892	0.832-0.952
Isopropylbenzene	16.48	14.70	1.121	ok	1.121	1.061-1.181
Isopropyl Alcohol	5.46	8.43	0.648	ok	0.648	0.588-0.708
Methylene chloride	6.21	8.43	0.737	ok	0.736	0.676-0.796
Methyl ethyl ketone	7.81	8.43	0.926	ok	0.926	0.866-0.986
Methyl Isobutyl Ketone	11.92	10.35	1.152	ok	1.152	1.092-1.212
Methyl Tert Butyl Ether	7.46	8.43	0.885	ok	0.885	0.825-0.945
Nonane	16.03	14.70	1.090	ok	1.091	1.031-1.151
Pentane	5.79	8.43	0.687	ok	0.686	0.626-0.746
Propylene	3.54	8.43	0.420	ok	0.420	0.360-0.480
Styrene	15.71	14.70	1.069	ok	1.069	1.009-1.129
1,1,1-Trichloroethane	9.56	8.43	1.134	ok	1.134	1.074-1.194
1,1,2,2-Tetrachloroethane	15.81	14.70	1.076	ok	1.076	1.016-1.136
1,1,2-Trichloroethane	12.60	10.35	1.217	ok	1.217	1.157-1.277
1,2,4-Trichlorobenzene	20.32	14.70	1.382	ok	1.383	1.323-1.443
1,2,4-Trimethylbenzene	17.77	14.70	1.209	ok	1.209	1.149-1.269
1,3,5-Trimethylbenzene	17.31	14.70	1.178	ok	1.178	1.118-1.238
2,2,4-Trimethylpentane	11.08	10.35	1.071	ok	1.071	1.011-1.131
Tertiary Butyl Alcohol	6.11	8.43	0.725	ok	0.725	0.665-0.785
Tetrachloroethylene	14.04	14.70	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	8.97	8.43	1.064	ok	1.064	1.004-1.124
Toluene	12.88	10.35	1.244	ok	1.245	1.185-1.305
Trichloroethylene	11.06	10.35	1.069	ok	1.068	1.008-1.128
Trichlorofluoromethane	5.41	8.43	0.642	ok	0.642	0.582-0.702
Vinyl chloride	4.00	8.43	0.474	ok	0.474	0.414-0.534
Vinyl Acetate	7.55	8.43	0.896	ok	0.895	0.835-0.955
m,p-Xylene	15.32	14.70	1.042	ok	1.042	0.982-1.102
o-Xylene	15.83	14.70	1.077	ok	1.077	1.017-1.137

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.43	ok	8.43	8.10-8.76	65421	ng	44827	26896-62758
1,4-Difluorobenzene	10.35	ok	10.35	10.02-10.68	316555	ng	220263	132158-308368
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	271144	ng	191393	114836-267950

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65503
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ193-IC193	Q3559.D	05/30/07 11:43	PB	5	GCMSQ	TO-15	
MSQ193-IC193	Q3560.D	05/30/07 12:25	PB	2	GCMSQ	TO-15	Reporting this level
MSQ193-IC193	Q3561.D	05/30/07 13:09	PB	.5	GCMSQ	TO-15	
MSQ193-IC193	Q3562.D	05/30/07 13:51	PB	.2	GCMSQ	TO-15	
MSQ193-IC193	Q3563.D	05/30/07 14:34	PB	40	GCMSQ	TO-15	
MSQ193-IC193	Q3564.D	05/30/07 15:27	PB	20	GCMSQ	TO-15	
MSQ193-ICC193	Q3565.D	05/30/07 16:10	PB	10	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.21	8.43	0.618	ok	0.618	0.558-0.678
1,3-Butadiene	4.14	8.43	0.491	ok	0.491	0.431-0.551
Benzene	10.02	10.35	0.968	ok	0.968	0.908-1.028
Bromodichloromethane	11.01	10.35	1.064	ok	1.064	1.004-1.124
Bromoform	15.42	14.70	1.049	ok	1.049	0.989-1.109
Bromomethane	4.41	8.43	0.523	ok	0.524	0.464-0.584
Bromoethene	4.96	8.43	0.588	ok	0.588	0.528-0.648
Benzyl Chloride	17.93	14.70	1.220	ok	1.220	1.160-1.280
Carbon disulfide	6.54	8.43	0.776	ok	0.775	0.715-0.835
Chlorobenzene	14.74	14.70	1.003	ok	1.003	0.943-1.063
Chloroethane	4.59	8.43	0.544	ok	0.544	0.484-0.604
Chloroform	8.56	8.43	1.015	ok	1.016	0.956-1.076
Chloromethane	3.77	8.43	0.447	ok	0.448	0.388-0.508
3-Chloropropene	6.33	8.43	0.751	ok	0.751	0.691-0.811
2-Chlorotoluene	17.03	14.70	1.159	ok	1.159	1.099-1.219
Carbon tetrachloride	10.17	8.43	1.206	ok	1.206	1.146-1.266
Cyclohexane	10.29	10.35	0.994	ok	0.994	0.934-1.054
1,1-Dichloroethane	7.40	8.43	0.878	ok	0.878	0.818-0.938
1,1-Dichloroethylene	6.08	8.43	0.721	ok	0.722	0.662-0.782
1,2-Dibromoethane	13.57	14.70	0.923	ok	0.923	0.863-0.983
1,2-Dichloroethane	9.30	8.43	1.103	ok	1.103	1.043-1.163
1,2-Dichloropropane	10.82	10.35	1.045	ok	1.046	0.986-1.106
1,4-Dioxane	11.05	10.35	1.068	ok	1.067	1.007-1.127
Dichlorodifluoromethane	3.61	8.43	0.428	ok	0.428	0.368-0.488
Dibromochloromethane	13.32	14.70	0.906	ok	0.906	0.846-0.966
trans-1,2-Dichloroethylene	7.20	8.43	0.854	ok	0.854	0.794-0.914
cis-1,2-Dichloroethylene	8.26	8.43	0.980	ok	0.980	0.920-1.040
cis-1,3-Dichloropropene	11.90	10.35	1.150	ok	1.150	1.090-1.210
m-Dichlorobenzene	17.95	14.70	1.221	ok	1.222	1.162-1.282
o-Dichlorobenzene	18.42	14.70	1.253	ok	1.253	1.193-1.313
p-Dichlorobenzene	18.03	14.70	1.227	ok	1.227	1.167-1.287
trans-1,3-Dichloropropene	12.42	10.35	1.200	ok	1.200	1.140-1.260
Ethanol	4.69	8.43	0.556	ok	0.557	0.497-0.617
Ethylbenzene	15.12	14.70	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.47	8.43	1.005	ok	1.005	0.945-1.065
4-Ethyltoluene	17.22	14.70	1.171	ok	1.172	1.112-1.232
Freon 113	6.48	8.43	0.769	ok	0.769	0.709-0.829
Freon 114	3.87	8.43	0.459	ok	0.459	0.399-0.519
Heptane	11.33	10.35	1.095	ok	1.095	1.035-1.155
Hexachlorobutadiene	20.81	14.70	1.416	ok	1.416	1.356-1.476
Hexane	8.47	8.43	1.005	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65503
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ193-IC193	Q3559.D	05/30/07 11:43	PB	5	GCMSQ	TO-15	
MSQ193-IC193	Q3560.D	05/30/07 12:25	PB	2	GCMSQ	TO-15	Reporting this level
MSQ193-IC193	Q3561.D	05/30/07 13:09	PB	.5	GCMSQ	TO-15	
MSQ193-IC193	Q3562.D	05/30/07 13:51	PB	.2	GCMSQ	TO-15	
MSQ193-IC193	Q3563.D	05/30/07 14:34	PB	40	GCMSQ	TO-15	
MSQ193-IC193	Q3564.D	05/30/07 15:27	PB	20	GCMSQ	TO-15	
MSQ193-ICC193	Q3565.D	05/30/07 16:10	PB	10	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.11	14.70	0.892	ok	0.892	0.832-0.952
Isopropylbenzene	16.47	14.70	1.120	ok	1.121	1.061-1.181
Isopropyl Alcohol	5.46	8.43	0.648	ok	0.648	0.588-0.708
Methylene chloride	6.21	8.43	0.737	ok	0.736	0.676-0.796
Methyl ethyl ketone	7.80	8.43	0.925	ok	0.926	0.866-0.986
Methyl Isobutyl Ketone	11.92	10.35	1.152	ok	1.152	1.092-1.212
Methyl Tert Butyl Ether	7.46	8.43	0.885	ok	0.885	0.825-0.945
Nonane	16.03	14.70	1.090	ok	1.091	1.031-1.151
Pentane	5.79	8.43	0.687	ok	0.686	0.626-0.746
Propylene	3.54	8.43	0.420	ok	0.420	0.360-0.480
Styrene	15.70	14.70	1.068	ok	1.069	1.009-1.129
1,1,1-Trichloroethane	9.56	8.43	1.134	ok	1.134	1.074-1.194
1,1,2,2-Tetrachloroethane	15.82	14.70	1.076	ok	1.076	1.016-1.136
1,1,2-Trichloroethane	12.60	10.35	1.217	ok	1.217	1.157-1.277
1,2,4-Trichlorobenzene	20.33	14.70	1.383	ok	1.383	1.323-1.443
1,2,4-Trimethylbenzene	17.77	14.70	1.209	ok	1.209	1.149-1.269
1,3,5-Trimethylbenzene	17.30	14.70	1.177	ok	1.178	1.118-1.238
2,2,4-Trimethylpentane	11.08	10.35	1.071	ok	1.071	1.011-1.131
Tertiary Butyl Alcohol	6.11	8.43	0.725	ok	0.725	0.665-0.785
Tetrachloroethylene	14.04	14.70	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	8.97	8.43	1.064	ok	1.064	1.004-1.124
Toluene	12.89	10.35	1.245	ok	1.245	1.185-1.305
Trichloroethylene	11.05	10.35	1.068	ok	1.068	1.008-1.128
Trichlorofluoromethane	5.41	8.43	0.642	ok	0.642	0.582-0.702
Vinyl chloride	4.00	8.43	0.474	ok	0.474	0.414-0.534
Vinyl Acetate	7.54	8.43	0.894	ok	0.895	0.835-0.955
m,p-Xylene	15.30	14.70	1.041	ok	1.042	0.982-1.102
o-Xylene	15.82	14.70	1.076	ok	1.077	1.017-1.137

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.43	ok	8.43	8.10-8.76	48343	ok	44827	26896-62758
1,4-Difluorobenzene	10.35	ok	10.35	10.02-10.68	241471	ok	220263	132158-308368
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	201471	ok	191393	114836-267950

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65503
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ193-IC193	Q3559.D	05/30/07 11:43	PB	5	GCMSQ	TO-15	
MSQ193-IC193	Q3560.D	05/30/07 12:25	PB	2	GCMSQ	TO-15	
MSQ193-IC193	Q3561.D	05/30/07 13:09	PB	.5	GCMSQ	TO-15	Reporting this level
MSQ193-IC193	Q3562.D	05/30/07 13:51	PB	.2	GCMSQ	TO-15	
MSQ193-IC193	Q3563.D	05/30/07 14:34	PB	40	GCMSQ	TO-15	
MSQ193-IC193	Q3564.D	05/30/07 15:27	PB	20	GCMSQ	TO-15	
MSQ193-ICC193	Q3565.D	05/30/07 16:10	PB	10	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.21	8.43	0.618	ok	0.618	0.558-0.678
1,3-Butadiene	4.14	8.43	0.491	ok	0.491	0.431-0.551
Benzene	10.02	10.35	0.968	ok	0.968	0.908-1.028
Bromodichloromethane	11.01	10.35	1.064	ok	1.064	1.004-1.124
Bromoform	15.43	14.70	1.050	ok	1.049	0.989-1.109
Bromomethane	4.41	8.43	0.523	ok	0.524	0.464-0.584
Bromoethene	4.96	8.43	0.588	ok	0.588	0.528-0.648
Benzyl Chloride	17.93	14.70	1.220	ok	1.220	1.160-1.280
Carbon disulfide	6.53	8.43	0.775	ok	0.775	0.715-0.835
Chlorobenzene	14.74	14.70	1.003	ok	1.003	0.943-1.063
Chloroethane	4.59	8.43	0.544	ok	0.544	0.484-0.604
Chloroform	8.56	8.43	1.015	ok	1.016	0.956-1.076
Chloromethane	3.78	8.43	0.448	ok	0.448	0.388-0.508
3-Chloropropene	6.34	8.43	0.752	ok	0.751	0.691-0.811
2-Chlorotoluene	17.03	14.70	1.159	ok	1.159	1.099-1.219
Carbon tetrachloride	10.16	8.43	1.205	ok	1.206	1.146-1.266
Cyclohexane	10.28	10.35	0.993	ok	0.994	0.934-1.054
1,1-Dichloroethane	7.41	8.43	0.879	ok	0.878	0.818-0.938
1,1-Dichloroethylene	6.08	8.43	0.721	ok	0.722	0.662-0.782
1,2-Dibromoethane	13.57	14.70	0.923	ok	0.923	0.863-0.983
1,2-Dichloroethane	9.30	8.43	1.103	ok	1.103	1.043-1.163
1,2-Dichloropropane	10.83	10.35	1.046	ok	1.046	0.986-1.106
1,4-Dioxane	11.06	10.35	1.069	ok	1.067	1.007-1.127
Dichlorodifluoromethane	3.61	8.43	0.428	ok	0.428	0.368-0.488
Dibromochloromethane	13.32	14.70	0.906	ok	0.906	0.846-0.966
trans-1,2-Dichloroethylene	7.20	8.43	0.854	ok	0.854	0.794-0.914
cis-1,2-Dichloroethylene	8.27	8.43	0.981	ok	0.980	0.920-1.040
cis-1,3-Dichloropropene	11.89	10.35	1.149	ok	1.150	1.090-1.210
m-Dichlorobenzene	17.95	14.70	1.221	ok	1.222	1.162-1.282
o-Dichlorobenzene	18.42	14.70	1.253	ok	1.253	1.193-1.313
p-Dichlorobenzene	18.03	14.70	1.227	ok	1.227	1.167-1.287
trans-1,3-Dichloropropene	12.41	10.35	1.199	ok	1.200	1.140-1.260
Ethanol	4.70	8.43	0.558	ok	0.557	0.497-0.617
Ethylbenzene	15.12	14.70	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.47	8.43	1.005	ok	1.005	0.945-1.065
4-Ethyltoluene	17.22	14.70	1.171	ok	1.172	1.112-1.232
Freon 113	6.48	8.43	0.769	ok	0.769	0.709-0.829
Freon 114	3.87	8.43	0.459	ok	0.459	0.399-0.519
Heptane	11.32	10.35	1.094	ok	1.095	1.035-1.155
Hexachlorobutadiene	20.82	14.70	1.416	ok	1.416	1.356-1.476
Hexane	8.46	8.43	1.004	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65503
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ193-IC193	Q3559.D	05/30/07 11:43	PB	5	GCMSQ	TO-15	
MSQ193-IC193	Q3560.D	05/30/07 12:25	PB	2	GCMSQ	TO-15	
MSQ193-IC193	Q3561.D	05/30/07 13:09	PB	.5	GCMSQ	TO-15	Reporting this level
MSQ193-IC193	Q3562.D	05/30/07 13:51	PB	.2	GCMSQ	TO-15	
MSQ193-IC193	Q3563.D	05/30/07 14:34	PB	40	GCMSQ	TO-15	
MSQ193-IC193	Q3564.D	05/30/07 15:27	PB	20	GCMSQ	TO-15	
MSQ193-ICC193	Q3565.D	05/30/07 16:10	PB	10	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.12	14.70	0.893	ok	0.892	0.832-0.952
Isopropylbenzene	16.47	14.70	1.120	ok	1.121	1.061-1.181
Isopropyl Alcohol	5.47	8.43	0.649	ok	0.648	0.588-0.708
Methylene chloride	6.21	8.43	0.737	ok	0.736	0.676-0.796
Methyl ethyl ketone	7.81	8.43	0.926	ok	0.926	0.866-0.986
Methyl Isobutyl Ketone	11.93	10.35	1.153	ok	1.152	1.092-1.212
Methyl Tert Butyl Ether	7.47	8.43	0.886	ok	0.885	0.825-0.945
Nonane	16.03	14.70	1.090	ok	1.091	1.031-1.151
Pentane	5.78	8.43	0.686	ok	0.686	0.626-0.746
Propylene	3.53	8.43	0.419	ok	0.420	0.360-0.480
Styrene	15.71	14.70	1.069	ok	1.069	1.009-1.129
1,1,1-Trichloroethane	9.56	8.43	1.134	ok	1.134	1.074-1.194
1,1,2,2-Tetrachloroethane	15.82	14.70	1.076	ok	1.076	1.016-1.136
1,1,2-Trichloroethane	12.60	10.35	1.217	ok	1.217	1.157-1.277
1,2,4-Trichlorobenzene	20.33	14.70	1.383	ok	1.383	1.323-1.443
1,2,4-Trimethylbenzene	17.77	14.70	1.209	ok	1.209	1.149-1.269
1,3,5-Trimethylbenzene	17.31	14.70	1.178	ok	1.178	1.118-1.238
2,2,4-Trimethylpentane	11.08	10.35	1.071	ok	1.071	1.011-1.131
Tertiary Butyl Alcohol	6.11	8.43	0.725	ok	0.725	0.665-0.785
Tetrachloroethylene	14.04	14.70	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	8.97	8.43	1.064	ok	1.064	1.004-1.124
Toluene	12.88	10.35	1.244	ok	1.245	1.185-1.305
Trichloroethylene	11.05	10.35	1.068	ok	1.068	1.008-1.128
Trichlorofluoromethane	5.41	8.43	0.642	ok	0.642	0.582-0.702
Vinyl chloride	4.00	8.43	0.474	ok	0.474	0.414-0.534
Vinyl Acetate	7.55	8.43	0.896	ok	0.895	0.835-0.955
m,p-Xylene	15.33	14.70	1.043	ok	1.042	0.982-1.102
o-Xylene	15.83	14.70	1.077	ok	1.077	1.017-1.137

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.43	ok	8.43	8.10-8.76	46544	ok	44827	26896-62758
1,4-Difluorobenzene	10.35	ok	10.35	10.02-10.68	225840	ok	220263	132158-308368
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	184232	ok	191393	114836-267950

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65503
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ193-IC193	Q3559.D	05/30/07 11:43	PB	5	GCMSQ	TO-15	
MSQ193-IC193	Q3560.D	05/30/07 12:25	PB	2	GCMSQ	TO-15	
MSQ193-IC193	Q3561.D	05/30/07 13:09	PB	.5	GCMSQ	TO-15	
MSQ193-IC193	Q3562.D	05/30/07 13:51	PB	.2	GCMSQ	TO-15	Reporting this level
MSQ193-IC193	Q3563.D	05/30/07 14:34	PB	40	GCMSQ	TO-15	
MSQ193-IC193	Q3564.D	05/30/07 15:27	PB	20	GCMSQ	TO-15	
MSQ193-ICC193	Q3565.D	05/30/07 16:10	PB	10	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.22	8.43	0.619	ok	0.618	0.558-0.678
1,3-Butadiene	4.14	8.43	0.491	ok	0.491	0.431-0.551
Benzene	10.01	10.35	0.967	ok	0.968	0.908-1.028
Bromodichloromethane	11.01	10.35	1.064	ok	1.064	1.004-1.124
Bromoform	15.41	14.69	1.049	ok	1.049	0.989-1.109
Bromomethane	4.42	8.43	0.524	ok	0.524	0.464-0.584
Bromoethene	4.95	8.43	0.587	ok	0.588	0.528-0.648
Benzyl Chloride	17.94	14.69	1.221	ok	1.220	1.160-1.280
Carbon disulfide	6.54	8.43	0.776	ok	0.775	0.715-0.835
Chlorobenzene	14.74	14.69	1.003	ok	1.003	0.943-1.063
Chloroethane	4.58	8.43	0.543	ok	0.544	0.484-0.604
Chloroform	8.56	8.43	1.015	ok	1.016	0.956-1.076
Chloromethane	3.77	8.43	0.447	ok	0.448	0.388-0.508
3-Chloropropene	6.34	8.43	0.752	ok	0.751	0.691-0.811
2-Chlorotoluene	17.03	14.69	1.159	ok	1.159	1.099-1.219
Carbon tetrachloride	10.17	8.43	1.206	ok	1.206	1.146-1.266
Cyclohexane	10.29	10.35	0.994	ok	0.994	0.934-1.054
1,1-Dichloroethane	7.39	8.43	0.877	ok	0.878	0.818-0.938
1,1-Dichloroethylene	6.09	8.43	0.722	ok	0.722	0.662-0.782
1,2-Dibromoethane	13.57	14.69	0.924	ok	0.923	0.863-0.983
1,2-Dichloroethane	9.30	8.43	1.103	ok	1.103	1.043-1.163
1,2-Dichloropropane	10.83	10.35	1.046	ok	1.046	0.986-1.106
Dichlorodifluoromethane	3.61	8.43	0.428	ok	0.428	0.368-0.488
Dibromochloromethane	13.32	14.69	0.907	ok	0.906	0.846-0.966
trans-1,2-Dichloroethylene	7.19	8.43	0.853	ok	0.854	0.794-0.914
cis-1,2-Dichloroethylene	8.26	8.43	0.980	ok	0.980	0.920-1.040
cis-1,3-Dichloropropene	11.90	10.35	1.150	ok	1.150	1.090-1.210
m-Dichlorobenzene	17.96	14.69	1.223	ok	1.222	1.162-1.282
o-Dichlorobenzene	18.42	14.69	1.254	ok	1.253	1.193-1.313
p-Dichlorobenzene	18.04	14.69	1.228	ok	1.227	1.167-1.287
trans-1,3-Dichloropropene	12.42	10.35	1.200	ok	1.200	1.140-1.260
Ethanol	4.69	8.43	0.556	ok	0.557	0.497-0.617
Ethylbenzene	15.13	14.69	1.030	ok	1.029	0.969-1.089
Ethyl Acetate	8.47	8.43	1.005	ok	1.005	0.945-1.065
4-Ethyltoluene	17.22	14.69	1.172	ok	1.172	1.112-1.232
Freon 113	6.48	8.43	0.769	ok	0.769	0.709-0.829
Freon 114	3.87	8.43	0.459	ok	0.459	0.399-0.519
Heptane	11.33	10.35	1.095	ok	1.095	1.035-1.155
Hexachlorobutadiene	20.81	14.69	1.417	ok	1.416	1.356-1.476
Hexane	8.47	8.43	1.005	ok	1.004	0.944-1.064
2-Hexanone	13.13	14.69	0.894	ok	0.892	0.832-0.952

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65503
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ193-IC193	Q3559.D	05/30/07 11:43	PB	5	GCMSQ	TO-15	
MSQ193-IC193	Q3560.D	05/30/07 12:25	PB	2	GCMSQ	TO-15	
MSQ193-IC193	Q3561.D	05/30/07 13:09	PB	.5	GCMSQ	TO-15	
MSQ193-IC193	Q3562.D	05/30/07 13:51	PB	.2	GCMSQ	TO-15	Reporting this level
MSQ193-IC193	Q3563.D	05/30/07 14:34	PB	40	GCMSQ	TO-15	
MSQ193-IC193	Q3564.D	05/30/07 15:27	PB	20	GCMSQ	TO-15	
MSQ193-ICC193	Q3565.D	05/30/07 16:10	PB	10	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Isopropylbenzene	16.48	14.69	1.122	ok	1.121	1.061-1.181
Isopropyl Alcohol	5.48	8.43	0.650	ok	0.648	0.588-0.708
Methylene chloride	6.21	8.43	0.737	ok	0.736	0.676-0.796
Methyl ethyl ketone	7.82	8.43	0.928	ok	0.926	0.866-0.986
Methyl Isobutyl Ketone	11.93	10.35	1.153	ok	1.152	1.092-1.212
Methyl Tert Butyl Ether	7.46	8.43	0.885	ok	0.885	0.825-0.945
Nonane	16.03	14.69	1.091	ok	1.091	1.031-1.151
Pentane	5.78	8.43	0.686	ok	0.686	0.626-0.746
Propylene	3.54	8.43	0.420	ok	0.420	0.360-0.480
Styrene	15.71	14.69	1.069	ok	1.069	1.009-1.129
1,1,1-Trichloroethane	9.55	8.43	1.133	ok	1.134	1.074-1.194
1,1,2,2-Tetrachloroethane	15.82	14.69	1.077	ok	1.076	1.016-1.136
1,1,2-Trichloroethane	12.60	10.35	1.217	ok	1.217	1.157-1.277
1,2,4-Trimethylbenzene	17.77	14.69	1.210	ok	1.209	1.149-1.269
1,3,5-Trimethylbenzene	17.31	14.69	1.178	ok	1.178	1.118-1.238
2,2,4-Trimethylpentane	11.08	10.35	1.071	ok	1.071	1.011-1.131
Tertiary Butyl Alcohol	6.12	8.43	0.726	ok	0.725	0.665-0.785
Tetrachloroethylene	14.04	14.69	0.956	ok	0.955	0.895-1.015
Tetrahydrofuran	8.98	8.43	1.065	ok	1.064	1.004-1.124
Toluene	12.88	10.35	1.244	ok	1.245	1.185-1.305
Trichloroethylene	11.05	10.35	1.068	ok	1.068	1.008-1.128
Trichlorofluoromethane	5.41	8.43	0.642	ok	0.642	0.582-0.702
Vinyl chloride	4.01	8.43	0.476	ok	0.474	0.414-0.534
Vinyl Acetate	7.54	8.43	0.894	ok	0.895	0.835-0.955
m,p-Xylene	15.30	14.69	1.042	ok	1.042	0.982-1.102
o-Xylene	15.82	14.69	1.077	ok	1.077	1.017-1.137

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.43	ok	8.43	8.10-8.76	37983	ok	44827	26896-62758
1,4-Difluorobenzene	10.35	ok	10.35	10.02-10.68	185621	ok	220263	132158-308368
Chlorobenzene-D5	14.69	ok	14.70	14.37-15.03	151534	ok	191393	114836-267950

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65503
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ193-IC193	Q3559.D	05/30/07 11:43	PB	5	GCMSQ	TO-15	
MSQ193-IC193	Q3560.D	05/30/07 12:25	PB	2	GCMSQ	TO-15	
MSQ193-IC193	Q3561.D	05/30/07 13:09	PB	.5	GCMSQ	TO-15	
MSQ193-IC193	Q3562.D	05/30/07 13:51	PB	.2	GCMSQ	TO-15	
MSQ193-IC193	Q3563.D	05/30/07 14:34	PB	40	GCMSQ	TO-15	Reporting this level
MSQ193-IC193	Q3564.D	05/30/07 15:27	PB	20	GCMSQ	TO-15	
MSQ193-ICC193	Q3565.D	05/30/07 16:10	PB	10	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.20	8.43	0.617	ok	0.618	0.558-0.678
1,3-Butadiene	4.14	8.43	0.491	ok	0.491	0.431-0.551
Benzene	10.02	10.35	0.968	ok	0.968	0.908-1.028
Bromodichloromethane	11.02	10.35	1.065	ok	1.064	1.004-1.124
Bromoform	15.43	14.70	1.050	ok	1.049	0.989-1.109
Bromomethane	4.42	8.43	0.524	ok	0.524	0.464-0.584
Bromoethene	4.96	8.43	0.588	ok	0.588	0.528-0.648
Benzyl Chloride	17.94	14.70	1.220	ok	1.220	1.160-1.280
Carbon disulfide	6.54	8.43	0.776	ok	0.775	0.715-0.835
Chlorobenzene	14.75	14.70	1.003	ok	1.003	0.943-1.063
Chloroethane	4.59	8.43	0.544	ok	0.544	0.484-0.604
Chloroform	8.57	8.43	1.017	ok	1.016	0.956-1.076
Chloromethane	3.78	8.43	0.448	ok	0.448	0.388-0.508
3-Chloropropene	6.34	8.43	0.752	ok	0.751	0.691-0.811
2-Chlorotoluene	17.04	14.70	1.159	ok	1.159	1.099-1.219
Carbon tetrachloride	10.17	8.43	1.206	ok	1.206	1.146-1.266
Cyclohexane	10.29	10.35	0.994	ok	0.994	0.934-1.054
1,1-Dichloroethane	7.41	8.43	0.879	ok	0.878	0.818-0.938
1,1-Dichloroethylene	6.09	8.43	0.722	ok	0.722	0.662-0.782
1,2-Dibromoethane	13.58	14.70	0.924	ok	0.923	0.863-0.983
1,2-Dichloroethane	9.31	8.43	1.104	ok	1.103	1.043-1.163
1,2-Dichloropropane	10.83	10.35	1.046	ok	1.046	0.986-1.106
1,4-Dioxane	11.05	10.35	1.068	ok	1.067	1.007-1.127
Dichlorodifluoromethane	3.61	8.43	0.428	ok	0.428	0.368-0.488
Dibromochloromethane	13.32	14.70	0.906	ok	0.906	0.846-0.966
trans-1,2-Dichloroethylene	7.20	8.43	0.854	ok	0.854	0.794-0.914
cis-1,2-Dichloroethylene	8.26	8.43	0.980	ok	0.980	0.920-1.040
cis-1,3-Dichloropropene	11.91	10.35	1.151	ok	1.150	1.090-1.210
m-Dichlorobenzene	17.96	14.70	1.222	ok	1.222	1.162-1.282
o-Dichlorobenzene	18.42	14.70	1.253	ok	1.253	1.193-1.313
p-Dichlorobenzene	18.04	14.70	1.227	ok	1.227	1.167-1.287
trans-1,3-Dichloropropene	12.42	10.35	1.200	ok	1.200	1.140-1.260
Ethanol	4.69	8.43	0.556	ok	0.557	0.497-0.617
Ethylbenzene	15.13	14.70	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.48	8.43	1.006	ok	1.005	0.945-1.065
4-Ethyltoluene	17.23	14.70	1.172	ok	1.172	1.112-1.232
Freon 113	6.48	8.43	0.769	ok	0.769	0.709-0.829
Freon 114	3.88	8.43	0.460	ok	0.459	0.399-0.519
Heptane	11.33	10.35	1.095	ok	1.095	1.035-1.155
Hexachlorobutadiene	20.81	14.70	1.416	ok	1.416	1.356-1.476
Hexane	8.47	8.43	1.005	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65503
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ193-IC193	Q3559.D	05/30/07 11:43	PB	5	GCMSQ	TO-15	
MSQ193-IC193	Q3560.D	05/30/07 12:25	PB	2	GCMSQ	TO-15	
MSQ193-IC193	Q3561.D	05/30/07 13:09	PB	.5	GCMSQ	TO-15	
MSQ193-IC193	Q3562.D	05/30/07 13:51	PB	.2	GCMSQ	TO-15	
MSQ193-IC193	Q3563.D	05/30/07 14:34	PB	40	GCMSQ	TO-15	Reporting this level
MSQ193-IC193	Q3564.D	05/30/07 15:27	PB	20	GCMSQ	TO-15	
MSQ193-ICC193	Q3565.D	05/30/07 16:10	PB	10	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.12	14.70	0.893	ok	0.892	0.832-0.952
Isopropylbenzene	16.48	14.70	1.121	ok	1.121	1.061-1.181
Isopropyl Alcohol	5.47	8.43	0.649	ok	0.648	0.588-0.708
Methylene chloride	6.21	8.43	0.737	ok	0.736	0.676-0.796
Methyl ethyl ketone	7.81	8.43	0.926	ok	0.926	0.866-0.986
Methyl Isobutyl Ketone	11.92	10.35	1.152	ok	1.152	1.092-1.212
Methyl Tert Butyl Ether	7.46	8.43	0.885	ok	0.885	0.825-0.945
Nonane	16.04	14.70	1.091	ok	1.091	1.031-1.151
Pentane	5.79	8.43	0.687	ok	0.686	0.626-0.746
Propylene	3.54	8.43	0.420	ok	0.420	0.360-0.480
Styrene	15.71	14.70	1.069	ok	1.069	1.009-1.129
1,1,1-Trichloroethane	9.56	8.43	1.134	ok	1.134	1.074-1.194
1,1,2,2-Tetrachloroethane	15.82	14.70	1.076	ok	1.076	1.016-1.136
1,1,2-Trichloroethane	12.60	10.35	1.217	ok	1.217	1.157-1.277
1,2,4-Trichlorobenzene	20.32	14.70	1.382	ok	1.383	1.323-1.443
1,2,4-Trimethylbenzene	17.78	14.70	1.210	ok	1.209	1.149-1.269
1,3,5-Trimethylbenzene	17.31	14.70	1.178	ok	1.178	1.118-1.238
2,2,4-Trimethylpentane	11.09	10.35	1.071	ok	1.071	1.011-1.131
Tertiary Butyl Alcohol	6.11	8.43	0.725	ok	0.725	0.665-0.785
Tetrachloroethylene	14.04	14.70	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	8.97	8.43	1.064	ok	1.064	1.004-1.124
Toluene	12.89	10.35	1.245	ok	1.245	1.185-1.305
Trichloroethylene	11.06	10.35	1.069	ok	1.068	1.008-1.128
Trichlorofluoromethane	5.41	8.43	0.642	ok	0.642	0.582-0.702
Vinyl chloride	4.00	8.43	0.474	ok	0.474	0.414-0.534
Vinyl Acetate	7.55	8.43	0.896	ok	0.895	0.835-0.955
m,p-Xylene	15.33	14.70	1.043	ok	1.042	0.982-1.102
o-Xylene	15.83	14.70	1.077	ok	1.077	1.017-1.137

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.43	ok	8.43	8.10-8.76	35935	ok	44827	26896-62758
1,4-Difluorobenzene	10.35	ok	10.35	10.02-10.68	186342	ok	220263	132158-308368
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	189999	ok	191393	114836-267950

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65503
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ193-IC193	Q3559.D	05/30/07 11:43	PB	5	GCMSQ	TO-15	
MSQ193-IC193	Q3560.D	05/30/07 12:25	PB	2	GCMSQ	TO-15	
MSQ193-IC193	Q3561.D	05/30/07 13:09	PB	.5	GCMSQ	TO-15	
MSQ193-IC193	Q3562.D	05/30/07 13:51	PB	.2	GCMSQ	TO-15	
MSQ193-IC193	Q3563.D	05/30/07 14:34	PB	40	GCMSQ	TO-15	
MSQ193-IC193	Q3564.D	05/30/07 15:27	PB	20	GCMSQ	TO-15	Reporting this level
MSQ193-ICC193	Q3565.D	05/30/07 16:10	PB	10	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.20	8.43	0.617	ok	0.618	0.558-0.678
1,3-Butadiene	4.13	8.43	0.490	ok	0.491	0.431-0.551
Benzene	10.02	10.35	0.968	ok	0.968	0.908-1.028
Bromodichloromethane	11.02	10.35	1.065	ok	1.064	1.004-1.124
Bromoform	15.42	14.70	1.049	ok	1.049	0.989-1.109
Bromomethane	4.41	8.43	0.523	ok	0.524	0.464-0.584
Bromoethene	4.95	8.43	0.587	ok	0.588	0.528-0.648
Benzyl Chloride	17.93	14.70	1.220	ok	1.220	1.160-1.280
Carbon disulfide	6.53	8.43	0.775	ok	0.775	0.715-0.835
Chlorobenzene	14.74	14.70	1.003	ok	1.003	0.943-1.063
Chloroethane	4.59	8.43	0.544	ok	0.544	0.484-0.604
Chloroform	8.56	8.43	1.015	ok	1.016	0.956-1.076
Chloromethane	3.77	8.43	0.447	ok	0.448	0.388-0.508
3-Chloropropene	6.33	8.43	0.751	ok	0.751	0.691-0.811
2-Chlorotoluene	17.04	14.70	1.159	ok	1.159	1.099-1.219
Carbon tetrachloride	10.16	8.43	1.205	ok	1.206	1.146-1.266
Cyclohexane	10.29	10.35	0.994	ok	0.994	0.934-1.054
1,1-Dichloroethane	7.40	8.43	0.878	ok	0.878	0.818-0.938
1,1-Dichloroethylene	6.08	8.43	0.721	ok	0.722	0.662-0.782
1,2-Dibromoethane	13.57	14.70	0.923	ok	0.923	0.863-0.983
1,2-Dichloroethane	9.30	8.43	1.103	ok	1.103	1.043-1.163
1,2-Dichloropropane	10.83	10.35	1.046	ok	1.046	0.986-1.106
1,4-Dioxane	11.04	10.35	1.067	ok	1.067	1.007-1.127
Dichlorodifluoromethane	3.61	8.43	0.428	ok	0.428	0.368-0.488
Dibromochloromethane	13.32	14.70	0.906	ok	0.906	0.846-0.966
trans-1,2-Dichloroethylene	7.19	8.43	0.853	ok	0.854	0.794-0.914
cis-1,2-Dichloroethylene	8.26	8.43	0.980	ok	0.980	0.920-1.040
cis-1,3-Dichloropropene	11.90	10.35	1.150	ok	1.150	1.090-1.210
m-Dichlorobenzene	17.96	14.70	1.222	ok	1.222	1.162-1.282
o-Dichlorobenzene	18.42	14.70	1.253	ok	1.253	1.193-1.313
p-Dichlorobenzene	18.03	14.70	1.227	ok	1.227	1.167-1.287
trans-1,3-Dichloropropene	12.41	10.35	1.199	ok	1.200	1.140-1.260
Ethanol	4.68	8.43	0.555	ok	0.557	0.497-0.617
Ethylbenzene	15.13	14.70	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.47	8.43	1.005	ok	1.005	0.945-1.065
4-Ethyltoluene	17.22	14.70	1.171	ok	1.172	1.112-1.232
Freon 113	6.48	8.43	0.769	ok	0.769	0.709-0.829
Freon 114	3.87	8.43	0.459	ok	0.459	0.399-0.519
Heptane	11.33	10.35	1.095	ok	1.095	1.035-1.155
Hexachlorobutadiene	20.81	14.70	1.416	ok	1.416	1.356-1.476
Hexane	8.46	8.43	1.004	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65503
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ193-IC193	Q3559.D	05/30/07 11:43	PB	5	GCMSQ	TO-15	
MSQ193-IC193	Q3560.D	05/30/07 12:25	PB	2	GCMSQ	TO-15	
MSQ193-IC193	Q3561.D	05/30/07 13:09	PB	.5	GCMSQ	TO-15	
MSQ193-IC193	Q3562.D	05/30/07 13:51	PB	.2	GCMSQ	TO-15	
MSQ193-IC193	Q3563.D	05/30/07 14:34	PB	40	GCMSQ	TO-15	
MSQ193-IC193	Q3564.D	05/30/07 15:27	PB	20	GCMSQ	TO-15	Reporting this level
MSQ193-ICC193	Q3565.D	05/30/07 16:10	PB	10	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.11	14.70	0.892	ok	0.892	0.832-0.952
Isopropylbenzene	16.48	14.70	1.121	ok	1.121	1.061-1.181
Isopropyl Alcohol	5.45	8.43	0.647	ok	0.648	0.588-0.708
Methylene chloride	6.21	8.43	0.737	ok	0.736	0.676-0.796
Methyl ethyl ketone	7.80	8.43	0.925	ok	0.926	0.866-0.986
Methyl Isobutyl Ketone	11.92	10.35	1.152	ok	1.152	1.092-1.212
Methyl Tert Butyl Ether	7.45	8.43	0.884	ok	0.885	0.825-0.945
Nonane	16.04	14.70	1.091	ok	1.091	1.031-1.151
Pentane	5.78	8.43	0.686	ok	0.686	0.626-0.746
Propylene	3.53	8.43	0.419	ok	0.420	0.360-0.480
Styrene	15.71	14.70	1.069	ok	1.069	1.009-1.129
1,1,1-Trichloroethane	9.55	8.43	1.133	ok	1.134	1.074-1.194
1,1,2,2-Tetrachloroethane	15.82	14.70	1.076	ok	1.076	1.016-1.136
1,1,2-Trichloroethane	12.60	10.35	1.217	ok	1.217	1.157-1.277
1,2,4-Trichlorobenzene	20.32	14.70	1.382	ok	1.383	1.323-1.443
1,2,4-Trimethylbenzene	17.77	14.70	1.209	ok	1.209	1.149-1.269
1,3,5-Trimethylbenzene	17.31	14.70	1.178	ok	1.178	1.118-1.238
2,2,4-Trimethylpentane	11.08	10.35	1.071	ok	1.071	1.011-1.131
Tertiary Butyl Alcohol	6.10	8.43	0.724	ok	0.725	0.665-0.785
Tetrachloroethylene	14.04	14.70	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	8.96	8.43	1.063	ok	1.064	1.004-1.124
Toluene	12.88	10.35	1.244	ok	1.245	1.185-1.305
Trichloroethylene	11.05	10.35	1.068	ok	1.068	1.008-1.128
Trichlorofluoromethane	5.40	8.43	0.641	ok	0.642	0.582-0.702
Vinyl chloride	3.99	8.43	0.473	ok	0.474	0.414-0.534
Vinyl Acetate	7.54	8.43	0.894	ok	0.895	0.835-0.955
m,p-Xylene	15.33	14.70	1.043	ok	1.042	0.982-1.102
o-Xylene	15.83	14.70	1.077	ok	1.077	1.017-1.137

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.43	ok	8.43	8.10-8.76	38811	ok	44827	26896-62758
1,4-Difluorobenzene	10.35	ok	10.35	10.02-10.68	189912	ok	220263	132158-308368
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	170954	ok	191393	114836-267950

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65503
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ193-IC193	Q3559.D	05/30/07 11:43	PB	5	GCMSQ	TO-15	
MSQ193-IC193	Q3560.D	05/30/07 12:25	PB	2	GCMSQ	TO-15	
MSQ193-IC193	Q3561.D	05/30/07 13:09	PB	.5	GCMSQ	TO-15	
MSQ193-IC193	Q3562.D	05/30/07 13:51	PB	.2	GCMSQ	TO-15	
MSQ193-IC193	Q3563.D	05/30/07 14:34	PB	40	GCMSQ	TO-15	
MSQ193-IC193	Q3564.D	05/30/07 15:27	PB	20	GCMSQ	TO-15	
MSQ193-ICC193	Q3565.D	05/30/07 16:10	PB	10	GCMSQ	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.20	8.43	0.617	ok	0.618	0.558-0.678
1,3-Butadiene	4.14	8.43	0.491	ok	0.491	0.431-0.551
Benzene	10.02	10.35	0.968	ok	0.968	0.908-1.028
Bromodichloromethane	11.02	10.35	1.065	ok	1.064	1.004-1.124
Bromoform	15.42	14.70	1.049	ok	1.049	0.989-1.109
Bromomethane	4.41	8.43	0.523	ok	0.524	0.464-0.584
Bromoethene	4.96	8.43	0.588	ok	0.588	0.528-0.648
Benzyl Chloride	17.93	14.70	1.220	ok	1.220	1.160-1.280
Carbon disulfide	6.54	8.43	0.776	ok	0.775	0.715-0.835
Chlorobenzene	14.75	14.70	1.003	ok	1.003	0.943-1.063
Chloroethane	4.59	8.43	0.544	ok	0.544	0.484-0.604
Chloroform	8.56	8.43	1.015	ok	1.016	0.956-1.076
Chloromethane	3.78	8.43	0.448	ok	0.448	0.388-0.508
3-Chloropropene	6.33	8.43	0.751	ok	0.751	0.691-0.811
2-Chlorotoluene	17.03	14.70	1.159	ok	1.159	1.099-1.219
Carbon tetrachloride	10.16	8.43	1.205	ok	1.206	1.146-1.266
Cyclohexane	10.29	10.35	0.994	ok	0.994	0.934-1.054
1,1-Dichloroethane	7.40	8.43	0.878	ok	0.878	0.818-0.938
1,1-Dichloroethylene	6.08	8.43	0.721	ok	0.722	0.662-0.782
1,2-Dibromoethane	13.57	14.70	0.923	ok	0.923	0.863-0.983
1,2-Dichloroethane	9.30	8.43	1.103	ok	1.103	1.043-1.163
1,2-Dichloropropane	10.82	10.35	1.045	ok	1.046	0.986-1.106
1,4-Dioxane	11.04	10.35	1.067	ok	1.067	1.007-1.127
Dichlorodifluoromethane	3.61	8.43	0.428	ok	0.428	0.368-0.488
Dibromochloromethane	13.32	14.70	0.906	ok	0.906	0.846-0.966
trans-1,2-Dichloroethylene	7.19	8.43	0.853	ok	0.854	0.794-0.914
cis-1,2-Dichloroethylene	8.26	8.43	0.980	ok	0.980	0.920-1.040
cis-1,3-Dichloropropene	11.90	10.35	1.150	ok	1.150	1.090-1.210
m-Dichlorobenzene	17.96	14.70	1.222	ok	1.222	1.162-1.282
o-Dichlorobenzene	18.42	14.70	1.253	ok	1.253	1.193-1.313
p-Dichlorobenzene	18.03	14.70	1.227	ok	1.227	1.167-1.287
trans-1,3-Dichloropropene	12.41	10.35	1.199	ok	1.200	1.140-1.260
Ethanol	4.69	8.43	0.556	ok	0.557	0.497-0.617
Ethylbenzene	15.13	14.70	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.47	8.43	1.005	ok	1.005	0.945-1.065
4-Ethyltoluene	17.22	14.70	1.171	ok	1.172	1.112-1.232
Freon 113	6.49	8.43	0.770	ok	0.769	0.709-0.829
Freon 114	3.87	8.43	0.459	ok	0.459	0.399-0.519
Heptane	11.33	10.35	1.095	ok	1.095	1.035-1.155
Hexachlorobutadiene	20.82	14.70	1.416	ok	1.416	1.356-1.476
Hexane	8.47	8.43	1.005	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65503
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ193-IC193	Q3559.D	05/30/07 11:43	PB	5	GCMSQ	TO-15	
MSQ193-IC193	Q3560.D	05/30/07 12:25	PB	2	GCMSQ	TO-15	
MSQ193-IC193	Q3561.D	05/30/07 13:09	PB	.5	GCMSQ	TO-15	
MSQ193-IC193	Q3562.D	05/30/07 13:51	PB	.2	GCMSQ	TO-15	
MSQ193-IC193	Q3563.D	05/30/07 14:34	PB	40	GCMSQ	TO-15	
MSQ193-IC193	Q3564.D	05/30/07 15:27	PB	20	GCMSQ	TO-15	
MSQ193-ICC193	Q3565.D	05/30/07 16:10	PB	10	GCMSQ	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.11	14.70	0.892	ok	0.892	0.832-0.952
Isopropylbenzene	16.48	14.70	1.121	ok	1.121	1.061-1.181
Isopropyl Alcohol	5.45	8.43	0.647	ok	0.648	0.588-0.708
Methylene chloride	6.20	8.43	0.735	ok	0.736	0.676-0.796
Methyl ethyl ketone	7.80	8.43	0.925	ok	0.926	0.866-0.986
Methyl Isobutyl Ketone	11.92	10.35	1.152	ok	1.152	1.092-1.212
Methyl Tert Butyl Ether	7.45	8.43	0.884	ok	0.885	0.825-0.945
Nonane	16.03	14.70	1.090	ok	1.091	1.031-1.151
Pentane	5.78	8.43	0.686	ok	0.686	0.626-0.746
Propylene	3.54	8.43	0.420	ok	0.420	0.360-0.480
Styrene	15.70	14.70	1.068	ok	1.069	1.009-1.129
1,1,1-Trichloroethane	9.56	8.43	1.134	ok	1.134	1.074-1.194
1,1,2,2-Tetrachloroethane	15.82	14.70	1.076	ok	1.076	1.016-1.136
1,1,2-Trichloroethane	12.60	10.35	1.217	ok	1.217	1.157-1.277
1,2,4-Trichlorobenzene	20.32	14.70	1.382	ok	1.383	1.323-1.443
1,2,4-Trimethylbenzene	17.77	14.70	1.209	ok	1.209	1.149-1.269
1,3,5-Trimethylbenzene	17.31	14.70	1.178	ok	1.178	1.118-1.238
2,2,4-Trimethylpentane	11.08	10.35	1.071	ok	1.071	1.011-1.131
Tertiary Butyl Alcohol	6.10	8.43	0.724	ok	0.725	0.665-0.785
Tetrachloroethylene	14.04	14.70	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	8.96	8.43	1.063	ok	1.064	1.004-1.124
Toluene	12.88	10.35	1.244	ok	1.245	1.185-1.305
Trichloroethylene	11.06	10.35	1.069	ok	1.068	1.008-1.128
Trichlorofluoromethane	5.41	8.43	0.642	ok	0.642	0.582-0.702
Vinyl chloride	4.00	8.43	0.474	ok	0.474	0.414-0.534
Vinyl Acetate	7.55	8.43	0.896	ok	0.895	0.835-0.955
m,p-Xylene	15.33	14.70	1.043	ok	1.042	0.982-1.102
o-Xylene	15.83	14.70	1.077	ok	1.077	1.017-1.137

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.43	ok	8.43	8.10-8.76	40750	ok	44827	26896-62758
1,4-Difluorobenzene	10.35	ok	10.35	10.02-10.68	196101	ok	220263	132158-308368
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	170420	ok	191393	114836-267950

Volatile Surrogate Recovery Summary

Job Number: M65503
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Method: TO-15 **Matrix:** AIR

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1
M65503-1	J10775.D	76.0
M65503-1	J10773.D	80.0
M65503-2	J10776.D	89.0
M65503-2	J10774.D	81.0
M65503-1DUP	J10777.D	87.0
MSJ551-SCC	J10642.D	95.0
MSJ557-BS	J10768B.D	107.0
MSJ557-MB	J10769.D	94.0
MSQ190-SCC	Q3496.D	86.0
MSQ195-SCC	Q3607.D	91.0
MSJ551-BS	J10631A.D	106.0
MSJ551-MB	J10633.D	91.0
MSQ190-BS	Q3491A.D	103.0
MSQ190-MB	Q3492.D	91.0
MSQ195-BS	Q3590A.D	106.0
MSQ195-MB	Q3591.D	96.0

Surrogate Compounds	Recovery Limits
S1 = 4-Bromofluorobenzene	57-139%

Initial Calibration Summary

Job Number: M65503 **Sample:** MSJ548-ICC548
Account: GEI GEI Consultants, Inc. **Lab FileID:** J10584.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Response Factor Report MSJ

Method : C:\MSDCHEM\1\METHODS\J060707T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jun 07 16:30:04 2007
Response via : Initial Calibration

Calibration Files
40 =J10586.D 20 =J10585.D 10 =J10584.D 5 =J10583.D
2 =J10582.D .5 =J10580.D .2 =J10581.D 4 =J10094.D

Compound	40	20	10	5	2	.5	.2	4	Avg	%RSD
1) I BROMOCHLOROMETHANE	----------ISTD----------									
2) DICHLORODIFL	3.717	3.577	3.998	3.004	3.569	3.050	3.546		3.494	10.16
3) PROPYLENE	0.644	0.622	0.742	0.499	0.580	0.586	0.585		0.608	12.25
4) FREON 114	3.524	3.317	3.542	2.756	3.309	2.707	3.392		3.221	10.77
5) CHLOROMETHAN	0.870	0.840	0.984	0.726	0.853	0.737	0.895		0.843	10.66
6) VINYL CHLORI	1.091	1.040	1.170	0.841	1.022	0.822	0.950		0.991	12.92
7) 1,3-BUTADIEN	0.761	0.729	0.795	0.601	0.710	0.582	0.542		0.674	14.57
8) BROMOMETHANE	1.282	1.210	1.264	0.980	1.134	0.929	1.103		1.129	12.07
9) CHLOROETHANE	0.538	0.511	0.491	0.396	0.493	0.404	0.346		0.454	15.75
10) TRICHLOROFLU	3.983	3.736	3.856	3.063	3.728	3.028	3.748		3.591	10.69
11) ISOPROPYL AL	1.417	1.273	1.401	0.892	1.095	1.088	0.870		1.148	19.52
12) ACETONE	1.361	1.236	1.380	0.969	1.444	1.553	1.543		1.355	14.95
13) PENTANE	0.862	0.832	0.909	0.730	0.843	0.827	0.898		0.843	7.02
14) 1,1-DICHLORO	1.304	1.211	1.190	0.894	1.022	0.854	0.903		1.054	17.11
15) CARBON DISUL	3.366	3.260	3.491	2.689	3.268	2.769	3.372		3.173	9.90
16) ETHANOL	0.258	0.231	0.255	0.155	0.188	0.175			0.210	20.75
17) BROMOETHENE	1.326	1.230	1.221	0.903	1.013	0.854	0.885		1.062	18.26
18) METHYLENE CH	1.181	1.123	1.075	0.906	1.316	3.249	2.304		1.593	54.06
----- Linear regression ----- Coefficient = 0.9973										
Response Ratio = -0.01503 + 1.16813 *A										
19) 3-CHLOROPROP	0.857	0.933	0.746	0.562	0.707	0.643	0.541		0.713	20.48
20) FREON 113	2.742	2.503	2.406	1.941	2.372	2.180	2.159		2.329	11.23
21) TRANS-1,2-DI	1.269	1.174	1.103	0.842	1.012	0.827	0.872		1.014	17.22
22) TERTIARY BUT	1.176	1.754	1.881	1.192	1.362	0.820	0.679		1.266	35.05
----- Quadratic regression ----- Coefficient = 0.9928										
Response Ratio = -0.16759 + 2.31634 *A + -0.27286 *A^2										
23) METHYL TERTI	2.807	2.491	2.678	1.692	2.018	1.618	1.478		2.112	25.78
24) TETRAHYDROFU	0.885	0.793	0.841	0.520	0.631	0.469			0.690	25.35
25) HEXANE	1.272	1.231	1.206	0.951	1.190	2.478	1.435		1.395	35.75
----- Linear regression ----- Coefficient = 0.9985										
Response Ratio = -0.03565 + 1.27055 *A										
26) VINYL ACETAT	1.737	1.579	1.640	0.967	1.099	1.052			1.346	25.40
27) 1,1-DICHLORO	1.994	1.861	1.816	1.390	1.828	1.451	1.482		1.689	14.24
28) METHYL ETHYL	1.508	1.402	1.488	0.969	1.283	0.976	0.838		1.209	22.89
29) cis-1,2-DICH	1.269	1.130	1.095	0.785	1.005	0.841	0.799		0.989	18.88
30) ETHYL ACETAT	1.652	1.556	1.639	1.031	1.340	0.998	0.941		1.308	24.15
31) CHLOROFORM	2.713	2.498	2.565	1.947	2.530	2.242	2.169		2.381	11.28
32) 1,1,1-TRICHL	3.142	2.875	2.757	2.092	2.840	2.238	2.229		2.596	15.55
33) CARBON TETRA	3.736	3.425	3.418	2.632	3.115	2.544	2.561		3.062	15.90
34) 1,2-DICHLORO	1.668	1.454	1.583	1.069	1.357	1.025	1.111		1.324	19.59
35) I 1,4-DIFLUOROBENZENE	----------ISTD----------									
36) BENZENE	0.733	0.643	0.620	0.433	0.585	0.440	0.404		0.551	22.87

Initial Calibration Summary

Job Number: M65503 **Sample:** MSJ548-ICC548
Account: GEI GEI Consultants, Inc. **Lab FileID:** J10584.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

```
37) CYCLOHEXANE  0.324 0.306 0.285 0.224 0.251 0.190 0.163       0.249  24.11
38) TRICHLOROETH 0.359 0.322 0.333 0.241 0.302 0.241 0.229       0.290  17.95
39) 1,2-DICHLORO 0.240 0.212 0.218 0.150 0.205 0.145 0.151       0.189  20.59
40) BROMODICHLOR 0.614 0.549 0.566 0.405 0.527 0.395 0.393       0.493  18.85
41) 2,2,4-TRIMET 0.978 0.955 0.904 0.710 0.926 0.630 0.540       0.806  21.91
42) 1,4-DIOXANE  0.136 0.122 0.114 0.070 0.071 0.033             0.091  43.40
            ----- Linear regression -----  Coefficient =  0.9966
              Response Ratio = -0.02081 + 0.13933 *A

43) HEPTANE      0.331 0.306 0.311 0.227 0.297 0.218 0.172       0.266  22.56
44) METHYL ISOBU 0.439 0.388 0.382 0.257 0.351 0.207 0.143       0.309  35.19
            ----- Linear regression -----  Coefficient =  0.9956
              Response Ratio = -0.04140 + 0.43972 *A

45) cis-1,3-DICH 0.394 0.340 0.343 0.207 0.234 0.148 0.133       0.257  40.02
            ----- Linear regression -----  Coefficient =  0.9944
              Response Ratio = -0.04442 + 0.39490 *A

46) TOLUENE      0.541 0.468 0.477 0.300 0.364 0.257 0.219       0.375  32.78
            ----- Linear regression -----  Coefficient =  0.9946
              Response Ratio = -0.05579 + 0.54156 *A

47) trans-1,3-DI 0.389 0.332 0.327 0.185 0.178 0.113 0.095       0.231  50.46
         ----- Quadratic regression -----                Coefficient =  0.9986
              Response Ratio = -0.01768 + 0.29106 *A + 0.02570 *A^2

48) 1,1,2-TRICHL 0.261 0.229 0.237 0.163 0.213 0.145 0.151       0.200  23.23

49) I   CHLOROBENZENE-D5      ----------------ISTD---------------------
50) 2-HEXANONE   0.407 0.354 0.357 0.237 0.241 0.137 0.077       0.258  47.17
            ----- Linear regression -----  Coefficient =  0.9954
              Response Ratio = -0.04317 + 0.40778 *A

51) TETRACHLOROE 0.532 0.443 0.447 0.311 0.383 0.316 0.319       0.393  21.53
52) DIBROMOCHLOR 0.739 0.637 0.650 0.454 0.552 0.411 0.419       0.552  23.30
53) 1,2-DIBROMOE 0.561 0.477 0.481 0.326 0.349 0.258 0.252       0.387  31.20
            ----- Linear regression -----  Coefficient =  0.9940
              Response Ratio = -0.06071 + 0.56085 *A

54) CHLOROBENZEN 0.838 0.708 0.732 0.501 0.561 0.420 0.437       0.600  26.92
55) ETHYLBENZENE 1.316 1.126 1.149 0.771 0.831 0.501 0.421       0.873  38.88
            ----- Linear regression -----  Coefficient =  0.9944
              Response Ratio = -0.13925 + 1.31602 *A

56) m,p-XYLENE   0.532 0.456 0.460 0.308 0.339 0.187 0.149       0.347  41.66
            ----- Linear regression -----  Coefficient =  0.9944
              Response Ratio = -0.11494 + 0.53246 *A

57) o-XYLENE     0.548 0.465 0.473 0.313 0.349 0.194 0.153       0.356  41.55
            ----- Linear regression -----  Coefficient =  0.9940
              Response Ratio = -0.05996 + 0.54733 *A

58) STYRENE      0.797 0.662 0.614 0.362 0.283 0.144 0.125       0.427  62.25
         ----- Quadratic regression -----                Coefficient =  0.9990
              Response Ratio = -0.03872 + 0.55040 *A + 0.06427 *A^2

59) NONANE       0.506 0.468 0.487 0.344 0.430 0.220 0.153       0.373  37.29
            ----- Linear regression -----  Coefficient =  0.9979
              Response Ratio = -0.03223 + 0.50795 *A
```

Initial Calibration Summary

Job Number: M65503 **Sample:** MSJ548-ICC548
Account: GEI GEI Consultants, Inc. **Lab FileID:** J10584.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

```
60) BROMOFORM    0.840 0.693 0.676 0.439 0.505 0.350 0.337       0.548  34.94
            ----- Linear regression -----  Coefficient =  0.9915
              Response Ratio = -0.10659 + 0.83820 *A

61) 4-BROMOFLUOR 0.680 0.679 0.639 0.589 0.601 0.554 0.506       0.607  10.61
62) 1,1,2,2-TETR 0.718 0.640 0.640 0.457 0.583 0.376 0.366       0.540  25.90
63) ISOPROPYLBEN 1.584 1.348 1.349 0.882 1.050 0.562 0.453       1.032  41.17
            ----- Linear regression -----  Coefficient =  0.9938
              Response Ratio = -0.17672 + 1.58378 *A

64) 2-CHLOROTOLU 1.125 0.965 0.965 0.592 0.640 0.359 0.324       0.710  44.30
            ----- Linear regression -----  Coefficient =  0.9941
              Response Ratio = -0.13201 + 1.12833 *A

65) 4-ETHYLTOLUE 1.528 1.281 1.209 0.737 0.729 0.368 0.280       0.876  54.23
            ----- Linear regression -----  Coefficient =  0.9923
              Response Ratio = -0.21351 + 1.53347 *A

66) 1,3,5-TRIMET 1.373 1.156 1.111 0.717 0.835 0.395 0.286       0.839  48.10
            ----- Linear regression -----  Coefficient =  0.9929
              Response Ratio = -0.17306 + 1.37393 *A

67) 1,2,4-TRIMET 1.326 1.092 1.052 0.638 0.639 0.317 0.249       0.759  53.86
            ----- Linear regression -----  Coefficient =  0.9913
              Response Ratio = -0.18730 + 1.32790 *A

68) m-DICHLOROBE 0.979 0.789 0.777 0.488 0.327 0.211 0.197       0.538  58.03
            ----- Linear regression -----  Coefficient =  0.9904
              Response Ratio = -0.14556 + 0.98012 *A

69) BENZYL CHLOR 0.822 0.657 0.660 0.355 0.144 0.106 0.079       0.403  76.34
         ----- Quadratic regression -----                Coefficient =  0.9982
              Response Ratio = -0.04210 + 0.54750 *A + 0.07122 *A^2

70) p-DICHLOROBE 0.927 0.747 0.741 0.442 0.241 0.174 0.154       0.489  64.45
            ----- Linear regression -----  Coefficient =  0.9904
              Response Ratio = -0.14231 + 0.92916 *A

71) o-DICHLOROBE 0.898 0.730 0.737 0.439 0.339 0.229 0.223       0.514  53.08
            ----- Linear regression -----  Coefficient =  0.9909
              Response Ratio = -0.12742 + 0.89883 *A

72) HEXACHLOROBU 0.580 0.478 0.516 0.311 0.453 0.373 0.380       0.442  21.05
73) 1,2,4-TRICHL 0.353 0.294 0.311 0.147 0.049 0.059 0.043       0.180  76.22
         ----- Quadratic regression -----                Coefficient =  0.9970
              Response Ratio = -0.02240 + 0.26486 *A + 0.02348 *A^2

74) NAPHTHALENE                                                  0.000  -1.00
-------------------------------------------------------------------------------
(#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          J060707T.M        Fri Jun 08 15:32:56 2007
```

Initial Calibration Verification

Job Number: M65503 **Sample:** MSJ548-ICV548
Account: GEI GEI Consultants, Inc. **Lab FileID:** J10587.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\J10587.D Vial: 3
Acq On : 7 Jun 2007 4:48 pm Operator: danat
Sample : icv548-10 (m179) Inst : MSJ
Misc : MS13684, MSJ548,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\J060707T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jun 07 16:30:04 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 40% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 180%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	105	0.01	8.63
2	m	DICHLORODIFLUOROMETHANE	3.494	4.068	-16.4	106	0.00	4.08
3	m	PROPYLENE	0.608	0.709	-16.6	100	0.00	4.01
4	m	FREON 114	3.221	3.592	-11.5	106	0.00	4.34
5	m	CHLOROMETHANE	0.843	0.952	-12.9	101	0.00	4.25
6	m	VINYL CHLORIDE	0.991	1.149	-15.9	103	0.00	4.46
7	m	1,3-BUTADIENE	0.674	0.735	-9.1	97	0.00	4.59
8	m	BROMOMETHANE	1.129	1.345	-19.1	111	0.00	4.87
9	m	CHLOROETHANE	0.454	0.508	-11.9	108	0.00	5.04
10	m	TRICHLOROFLUOROMETHANE	3.591	3.934	-9.6	107	0.01	5.80
11	m	ISOPROPYL ALCOHOL	1.148	1.296	-12.9	97	0.02	6.00
12	m	ACETONE	1.355	1.125	17.0	85	0.02	5.68
13	m	PENTANE	0.843	0.900	-6.8	103	0.01	6.15
14	m	1,1-DICHLOROETHYLENE	1.054	1.196	-13.5	105	0.00	6.43
15	m	CARBON DISULFIDE	3.173	3.393	-6.9	102	0.02	6.86
16	m	ETHANOL	0.210	0.217	-3.3	89	0.00	5.25
17	m	BROMOETHENE	1.062	1.322	-24.5	113	0.00	5.39
		----------	True	Calc.	% Drift	----------		
18	m	METHYLENE CHLORIDE	10.000	9.443	5.6	106	0.01	6.56
		----------	AvgRF	CCRF	% Dev	----------		
19	m	3-CHLOROPROPENE	0.713	0.768	-7.7	108	0.01	6.67
20	m	FREON 113	2.329	2.452	-5.3	107	0.01	6.80
21	m	TRANS-1,2-DICHLOROETHYLEN	1.014	1.126	-11.0	107	0.01	7.46
		----------	True	Calc.	% Drift	----------		
22	m	TERTIARY BUTYL ALCOHOL	10.000	9.475	5.3	99	0.03	6.61
		----------	AvgRF	CCRF	% Dev	----------		
23	m	METHYL TERTIARY BUTYL ETH	2.112	2.317	-9.7	90	0.01	7.75
24	m	TETRAHYDROFURAN	0.690	0.700	-1.4	87	0.02	9.20
		----------	True	Calc.	% Drift	----------		
25	m	HEXANE	10.000	9.677	3.2	103	0.01	8.64
		----------	AvgRF	CCRF	% Dev	----------		
26	m	VINYL ACETATE	1.346	1.370	-1.8	87	0.02	7.81
27	m	1,1-DICHLOROETHANE	1.689	1.745	-3.3	100	0.02	7.67
28	m	METHYL ETHYL KETONE	1.209	1.313	-8.6	92	0.01	8.09
29	m	cis-1,2-DICHLOROETHYLENE	0.989	1.063	-7.5	101	0.00	8.47
30	m	ETHYL ACETATE	1.308	1.353	-3.4	86	0.01	8.71

Initial Calibration Verification

Job Number: M65503 **Sample:** MSJ548-ICV548
Account: GEI GEI Consultants, Inc. **Lab FileID:** J10587.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

31	m	CHLOROFORM	2.381	2.363	0.8	96	0.01	8.76
32	m	1,1,1-TRICHLOROETHANE	2.596	2.649	-2.0	100	0.01	9.69
33	m	CARBON TETRACHLORIDE	3.062	3.355	-9.6	103	0.00	10.26
34	m	1,2-DICHLOROETHANE	1.324	1.317	0.5	87	0.00	9.46
35	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	102	0.01	10.45
36	m	BENZENE	0.551	0.558	-1.3	92	0.01	10.13
37	m	CYCLOHEXANE	0.249	0.290	-16.5	103	0.01	10.38
38	m	TRICHLOROETHYLENE	0.290	0.296	-2.1	90	0.00	11.12
39	m	1,2-DICHLOROPROPANE	0.189	0.187	1.1	87	0.00	10.91
40	m	BROMODICHLOROMETHANE	0.493	0.477	3.2	86	0.01	11.10
41	m	2,2,4-TRIMETHYLPENTANE	0.806	0.896	-11.2	101	0.00	11.13
			True	Calc.	% Drift			
42	m	1,4-DIOXANE	10.000	9.909	0.9	105	0.01	11.20
			AvgRF	CCRF	% Dev			
43	m	HEPTANE	0.266	0.274	-3.0	90	0.00	11.37
			True	Calc.	% Drift			
44	m	METHYL ISOBUTYL KETONE	10.000	8.289	17.1	86	0.00	12.02
45	m	cis-1,3-DICHLOROPROPENE	10.000	8.838	11.6	90	0.00	11.95
46	m	TOLUENE	10.000	8.271	17.3	84	0.00	12.90
47	m	trans-1,3-DICHLOROPROPENE	10.000	8.282	17.2	75	0.00	12.45
			AvgRF	CCRF	% Dev			
48	m	1,1,2-TRICHLOROETHANE	0.200	0.202	-1.0	87	0.00	12.64
49	I	CHLOROBENZENE-D5	1.000	1.000	0.0	98	0.00	14.68
			True	Calc.	% Drift			
50	m	2-HEXANONE	10.000	8.766	12.3	87	0.01	13.20
			AvgRF	CCRF	% Dev			
51	m	TETRACHLOROETHYLENE	0.393	0.411	-4.6	90	0.00	14.02
52	m	DIBROMOCHLOROMETHANE	0.552	0.563	-2.0	85	0.00	13.34
			True	Calc.	% Drift			
53	m	1,2-DIBROMOETHANE	10.000	8.572	14.3	86	0.00	13.59
			AvgRF	CCRF	% Dev			
54	m	CHLOROBENZENE	0.525	0.628	-19.6	84	0.00	14.73
			True	Calc.	% Drift			
55	m	ETHYLBENZENE	10.000	8.363	16.4	82	0.00	15.10
56	m	m,p-XYLENE	20.000	16.936	15.3	84	0.00	15.29
57	m	o-XYLENE	10.000	8.232	17.7	81	0.00	15.80
58	m	STYRENE	10.000	9.160	8.4	83	0.00	15.68
59	m	NONANE	10.000	8.512	14.9	81	0.00	15.98
60	m	BROMOFORM	10.000	8.052	19.5	83	0.00	15.41
			AvgRF	CCRF	% Dev			
61	S	4-BROMOFLUOROBENZENE	0.531	0.634	-19.4	98	0.00	16.30
62	m	1,1,2,2-TETRACHLOROETHANE	0.540	0.532	1.5	82	0.00	15.81
			True	Calc.	% Drift			
63	m	ISOPROPYLBENZENE	10.000	8.378	16.2	84	0.00	16.44
64	m	2-CHLOROTOLUENE	10.000	8.225	17.8	81	0.00	16.99
65	m	4-ETHYLTOLUENE	10.000	7.492	25.1	76	0.00	17.18
66	m	1,3,5-TRIMETHYLBENZENE	10.000	7.816	21.8	80	0.00	17.26

Initial Calibration Verification

Job Number: M65503 **Sample:** MSJ548-ICV548
Account: GEI GEI Consultants, Inc. **Lab FileID:** J10587.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

67 m	1,2,4-TRIMETHYLBENZENE	10.000	7.769	22.3	79	0.00	17.73
68 m	m-DICHLOROBENZENE	10.000	7.748	22.5	78	0.00	17.91
69 m	BENZYL CHLORIDE	10.000	9.047	9.5	76	0.00	17.90
70 m	p-DICHLOROBENZENE	10.000	7.849	21.5	78	0.00	17.99
71 m	o-DICHLOROBENZENE	10.000	8.033	19.7	79	0.00	18.38
	----------	AvgRF	CCRF	% Dev	----------		
72 m	HEXACHLOROBUTADIENE	0.442	0.528	-19.5	101	0.00	20.76
	----------	True	Calc.	% Drift	----------		
73 m	1,2,4-TRICHLOROBENZENE	10.000	12.027	-20.3	104	0.00	20.27
	----------	AvgRF	CCRF	% Dev	----------		
74 m	NAPHTHALENE		----------NA----------				

(0.0 %) 0 of 70 compounds'%D > 30

(#) = Out of Range SPCC's out = 0 CCC's out = 0
J10584.D J060707T.M Fri Jun 08 15:32:24 2007

Continuing Calibration Summary

Job Number: M65503 **Sample:** MSJ551-CC548
Account: GEI GEI Consultants, Inc. **Lab FileID:** J10631.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\J10631.D Vial: 1
Acq On : 13 Jun 2007 11:00 am Operator: danat
Sample : cc548-10 (m057) Inst : MSJ
Misc : MS13724, MSJ551,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\J060707T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jun 07 16:29:14 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 40% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 180%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	107	0.00	8.62
2	m	DICHLORODIFLUOROMETHANE	3.494	3.549	-1.6	95	0.00	4.07
3	m	PROPYLENE	0.608	0.581	4.4	84	0.00	4.00
4	m	FREON 114	3.221	3.256	-1.1	98	0.00	4.33
5	m	CHLOROMETHANE	0.843	0.832	1.3	90	0.00	4.23
6	m	VINYL CHLORIDE	0.991	0.965	2.6	88	0.00	4.45
7	m	1,3-BUTADIENE	0.674	0.703	-4.3	95	0.00	4.59
8	m	BROMOMETHANE	1.129	1.158	-2.6	98	0.00	4.86
9	m	CHLOROETHANE	0.454	0.509	-12.1	111	0.00	5.03
10	m	TRICHLOROFLUOROMETHANE	3.591	3.770	-5.0	105	0.00	5.79
11	m	ISOPROPYL ALCOHOL	1.148	1.124	2.1	86	-0.03	5.96
12	m	ACETONE	1.355	1.041	23.2	81	0.00	5.66
13	m	PENTANE	0.843	0.868	-3.0	102	0.00	6.14
14	m	1,1-DICHLOROETHYLENE	1.054	1.080	-2.5	97	0.00	6.43
15	m	CARBON DISULFIDE	3.173	3.157	0.5	97	0.00	6.85
16	m	ETHANOL	0.210	0.182	13.3	76	-0.02	5.22
17	m	BROMOETHENE	1.062	1.131	-6.5	99	0.00	5.38
		----------	True	Calc.	% Drift	----------		
18	m	METHYLENE CHLORIDE	10.000	8.875	11.3	102	0.00	6.55
		----------	AvgRF	CCRF	% Dev	----------		
19	m	3-CHLOROPROPENE	0.713	0.761	-6.7	109	0.00	6.66
20	m	FREON 113	2.329	2.397	-2.9	107	0.00	6.79
21	m	TRANS-1,2-DICHLOROETHYLEN	1.014	1.094	-7.9	106	0.00	7.46
		----------	True	Calc.	% Drift	----------		
22	m	TERTIARY BUTYL ALCOHOL	10.000	10.208	-2.1	83	-0.02	6.56
		----------	AvgRF	CCRF	% Dev	----------		
23	m	METHYL TERTIARY BUTYL ETH	2.112	1.911	9.5	76	0.00	7.74
24	m	TETRAHYDROFURAN	0.690	0.623	9.7	79	0.00	9.18
		----------	True	Calc.	% Drift	----------		
25	m	HEXANE	10.000	8.928	10.7	97	0.00	8.63
		----------	AvgRF	CCRF	% Dev	----------		
26	m	VINYL ACETATE	1.346	1.173	12.9	77	0.00	7.80
27	m	1,1-DICHLOROETHANE	1.689	1.766	-4.6	104	0.00	7.66
28	m	METHYL ETHYL KETONE	1.209	1.169	3.3	84	0.00	8.08
29	m	cis-1,2-DICHLOROETHYLENE	0.989	1.016	-2.7	99	0.00	8.46
30	m	ETHYL ACETATE	1.308	1.210	7.5	79	0.00	8.69

Continuing Calibration Summary

Job Number: M65503 **Sample:** MSJ551-CC548
Account: GEI GEI Consultants, Inc. **Lab FileID:** J10631.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

31	m	CHLOROFORM	2.381	2.416	-1.5	101	0.00	8.74
32	m	1,1,1-TRICHLOROETHANE	2.596	2.835	-9.2	110	0.00	9.68
33	m	CARBON TETRACHLORIDE	3.062	3.533	-15.4	111	0.00	10.26
34	m	1,2-DICHLOROETHANE	1.324	1.302	1.7	88	0.00	9.46
35	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	88	0.00	10.45
36	m	BENZENE	0.551	0.643	-16.7	91	0.00	10.12
37	m	CYCLOHEXANE	0.249	0.337	-35.3#	104	0.00	10.37
38	m	TRICHLOROETHYLENE	0.290	0.349	-20.3	92	0.00	11.12
39	m	1,2-DICHLOROPROPANE	0.189	0.216	-14.3	87	0.00	10.90
40	m	BROMODICHLOROMETHANE	0.493	0.573	-16.2	89	0.00	11.09
41	m	2,2,4-TRIMETHYLPENTANE	0.806	1.205	-49.5#	117	0.00	11.12
		----------	True	Calc.	% Drift	----------		
42	m	1,4-DIOXANE	10.000	9.831	1.7	90	0.00	11.18
		----------	AvgRF	CCRF	% Dev	----------		
43	m	HEPTANE	0.266	0.340	-27.8	96	0.00	11.36
		----------	True	Calc.	% Drift	----------		
44	m	METHYL ISOBUTYL KETONE	10.000	9.900	1.0	91	-0.01	12.00
45	m	cis-1,3-DICHLOROPROPENE	10.000	9.171	8.3	82	0.00	11.94
46	m	TOLUENE	10.000	8.968	10.3	79	0.00	12.89
47	m	trans-1,3-DICHLOROPROPENE	10.000	8.359	16.4	66	0.00	12.45
		----------	AvgRF	CCRF	% Dev	----------		
48	m	1,1,2-TRICHLOROETHANE	0.200	0.228	-14.0	85	0.00	12.63
49	I	CHLOROBENZENE-D5	1.000	1.000	0.0	84	0.00	14.67
		----------	True	Calc.	% Drift	----------		
50	m	2-HEXANONE	10.000	9.522	4.8	81	-0.01	13.17
		----------	AvgRF	CCRF	% Dev	----------		
51	m	TETRACHLOROETHYLENE	0.393	0.453	-15.3	85	0.00	14.02
52	m	DIBROMOCHLOROMETHANE	0.552	0.647	-17.2	83	0.00	13.33
53	m	1,2-DIBROMOETHANE	0.387	0.451	-16.5	78	0.00	13.58
54	m	CHLOROBENZENE	0.525	0.716	-36.4#	82	0.00	14.72
		----------	True	Calc.	% Drift	----------		
55	m	ETHYLBENZENE	10.000	9.312	6.9	79	0.00	15.09
56	m	m,p-XYLENE	20.000	19.178	4.1	82	-0.02	15.27
57	m	o-XYLENE	10.000	9.543	4.6	82	0.00	15.79
58	m	STYRENE	10.000	10.090	-0.9	79	0.00	15.67
59	m	NONANE	10.000	10.866	-8.7	89	0.00	15.97
60	m	BROMOFORM	10.000	8.997	10.0	80	0.00	15.40
		----------	AvgRF	CCRF	% Dev	----------		
61	S	4-BROMOFLUOROBENZENE	0.531	0.641	-20.7	84	0.00	16.30
62	m	1,1,2,2-TETRACHLOROETHANE	0.540	0.656	-21.5	86	-0.01	15.80
		----------	True	Calc.	% Drift	----------		
63	m	ISOPROPYLBENZENE	10.000	9.637	3.6	84	0.00	16.43
64	m	2-CHLOROTOLUENE	10.000	9.411	5.9	81	0.00	16.98
65	m	4-ETHYLTOLUENE	10.000	8.573	14.3	76	0.00	17.17
66	m	1,3,5-TRIMETHYLBENZENE	10.000	9.212	7.9	82	0.00	17.26
67	m	1,2,4-TRIMETHYLBENZENE	10.000	8.831	11.7	78	0.00	17.72
68	m	m-DICHLOROBENZENE	10.000	8.686	13.1	76	0.00	17.91
69	m	BENZYL CHLORIDE	10.000	9.137	8.6	66	0.00	17.89
70	m	p-DICHLOROBENZENE	10.000	8.480	15.2	73	0.00	17.98

Continuing Calibration Summary

Job Number: M65503 **Sample:** MSJ551-CC548
Account: GEI GEI Consultants, Inc. **Lab FileID:** J10631.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

```
71 m   o-DICHLOROBENZENE          10.000   8.628     13.7   74   0.00   18.37

           ----------------------- AvgRF   CCRF     % Dev   -------------
72 m   HEXACHLOROBUTADIENE         0.442   0.499    -12.9   81   0.00   20.76

           ----------------------- True    Calc.   % Drift  ------------
73 m   1,2,4-TRICHLOROBENZENE     10.000   9.352      6.5   66   0.00   20.27

           ----------------------- AvgRF   CCRF     % Dev   -------------
74 m   NAPHTHALENE                 0.000   0.000      0.0    0#  0.00   20.40
---------------------------------------------------------------------------

 (  4.3 %)  3 of  70 compounds'%D > 30
---------------------------------------------------------------------------

   (#) = Out of Range              SPCC's out = 0  CCC's out = 0
    J10584.D   J060707T.M       Fri Jun 15 14:50:35 2007
```

Initial Calibration Summary

Job Number: M65503 **Sample:** MSJ557-ICC557
Account: GEI GEI Consultants, Inc. **Lab FileID:** J10762.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Response Factor Report MSJ

Method : C:\MSDCHEM\1\METHODS\J062507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Mon Jun 25 18:16:44 2007
Response via : Initial Calibration

Calibration Files
40 =J10760.D 20 =J10761.D 10 =J10762.D 5 =J10763.D
2 =J10765.D .5 =J10757.D .2 =J10758.D 4 =J10094.D

Compound	40	20	10	5	2	.5	.2	4	Avg	%RSD
1) I BROMOCHLOROMETHANE	----------ISTD----------									
2) DICHLORODIFL	3.368	3.221	3.102	3.260	3.558	4.875	3.538		3.560	16.94
3) PROPYLENE	0.561	0.534	0.505	0.499	0.528	0.654	0.385		0.524	15.32
4) FREON 114	2.914	3.003	2.694	2.762	3.239	3.983	3.114		3.101	13.95
5) CHLOROMETHAN	0.716	0.727	0.660	0.682	0.800	1.020	0.789		0.771	15.74
6) VINYL CHLORI	0.859	0.887	0.794	0.801	0.918	1.112	0.818		0.884	12.51
7) 1,3-BUTADIEN	0.682	0.684	0.594	0.595	0.642	0.768	0.413		0.625	17.76
8) BROMOMETHANE	0.962	1.031	0.930	0.919	1.076	1.326	0.776		1.003	17.07
9) CHLOROETHANE	0.410	0.425	0.385	0.367	0.453	0.537	0.289		0.409	18.72
10) TRICHLOROFLU	3.507	3.502	3.217	3.289	3.974	4.957	3.738		3.741	15.90
11) ISOPROPYL AL	1.063	1.159	1.063	0.838	1.257	1.421			1.134	17.47
12) ACETONE	1.117	1.143	1.021	0.950	1.590	5.313	2.429		1.937	81.27
----- Linear regression ----- Coefficient = 0.9959										
Response Ratio = 0.04897 + 1.09899 *A										
13) PENTANE	0.755	0.761	0.693	0.696	0.800	1.916	0.770		0.913	48.63
----- Linear regression ----- Coefficient = 0.9989										
Response Ratio = 0.00156 + 0.75190 *A										
14) 1,1-DICHLORO	0.981	1.022	0.934	0.891	0.948	1.206	0.699		0.954	15.92
15) CARBON DISUL	2.701	2.763	2.590	2.601	2.918	3.861	2.829		2.895	15.27
16) ETHANOL	0.179	0.190	0.168	0.136	0.189	0.347			0.201	36.78
----- Linear regression ----- Coefficient = 0.9971										
Response Ratio = -0.00259 + 0.18086 *A										
17) BROMOETHENE	1.000	1.053	0.953	0.912	0.956	1.131	0.768		0.967	11.82
18) METHYLENE CH	0.878	0.885	0.857	0.860	2.229	3.591	3.261		1.795	68.18
----- Linear regression ----- Coefficient = 0.9942										
Response Ratio = 0.09939 + 0.84516 *A										
19) 3-CHLOROPROP	0.975	0.788	0.655	0.637	0.769	0.982	0.470		0.754	24.59
20) FREON 113	2.210	2.227	2.002	1.956	2.527	3.160	2.309		2.342	17.43
21) TRANS-1,2-DI	0.977	0.957	0.888	0.828	0.946	1.108	0.746		0.921	12.55
22) TERTIARY BUT	1.409	1.523	1.434	1.014	1.036	1.059			1.246	18.70
23) METHYL TERTI	2.078	2.196	1.959	1.665	1.993	2.263	1.209		1.909	19.08
24) TETRAHYDROFU	0.651	0.656	0.573	0.481	0.574	0.541			0.579	11.49
25) HEXANE	1.056	1.043	0.938	0.890	1.229	1.799	1.157		1.159	26.35
26) VINYL ACETAT	1.351	1.394	1.155	1.059	1.182	1.490			1.272	12.96
27) 1,1-DICHLORO	1.647	1.594	1.398	1.377	1.823	2.050	1.374		1.609	15.95
28) METHYL ETHYL	1.224	1.254	1.110	0.957	1.346	1.566	1.020		1.211	17.09
29) cis-1,2-DICH	0.977	0.910	0.813	0.746	0.924	1.081	0.701		0.879	15.18
30) ETHYL ACETAT	1.369	1.369	1.195	1.042	1.378	1.156			1.252	11.27
31) CHLOROFORM	2.269	2.147	1.932	1.854	2.449	2.977	2.165		2.256	16.63
32) 1,1,1-TRICHL	2.769	2.504	2.284	2.150	2.967	3.342	2.281		2.614	16.57
33) CARBON TETRA	3.343	3.154	2.944	2.719	3.477	4.090	2.925		3.236	14.13
34) 1,2-DICHLORO	1.393	1.340	1.147	1.113	1.425	1.638	1.053		1.301	15.97

Initial Calibration Summary

Job Number: M65503 **Sample:** MSJ557-ICC557
Account: GEI GEI Consultants, Inc. **Lab FileID:** J10762.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

```
35) I   1,4-DIFLUOROBENZENE   ----------------ISTD---------------------
36) BENZENE      0.561 0.523 0.444 0.403 0.513 0.527 0.306       0.468  19.17
37) CYCLOHEXANE  0.260 0.250 0.225 0.200 0.209 0.217             0.227  10.38
38) TRICHLOROETH 0.299 0.271 0.241 0.218 0.280 0.306 0.196       0.259  16.03
39) 1,2-DICHLORO 0.189 0.169 0.145 0.136 0.171 0.174 0.125       0.159  14.66
40) BROMODICHLOR 0.520 0.474 0.409 0.381 0.492 0.581 0.401       0.465  15.60
41) 2,2,4-TRIMET 0.926 0.820 0.705 0.620 0.792 0.796 0.296       0.708  28.96
42) 1,4-DIOXANE  0.100 0.096 0.081 0.056 0.099 0.090             0.087  19.13
43) HEPTANE      0.293 0.263 0.227 0.201 0.256 0.224 0.100       0.224  27.86
44) METHYL ISOBU 0.357 0.328 0.274 0.208 0.299 0.236             0.283  19.65
45) cis-1,3-DICH 0.299 0.280 0.230 0.193 0.204 0.182 0.104       0.213  30.47
            ----- Linear regression -----  Coefficient =  0.9964
              Response Ratio = -0.02976 + 0.30133 *A

46) TOLUENE      0.424 0.384 0.319 0.280 0.315 0.295 0.156       0.310  27.43
47) trans-1,3-DI 0.303 0.275 0.220 0.183 0.174 0.147 0.083       0.198  38.06
         ----- Quadratic regression -----                Coefficient =  0.9989
              Response Ratio = -0.01325 + 0.23504 *A + 0.01807 *A^2

48) 1,1,2-TRICHL 0.197 0.181 0.157 0.144 0.180 0.196 0.142       0.171  13.54

49) I   CHLOROBENZENE-D5      ----------------ISTD---------------------
50) 2-HEXANONE   0.313 0.288 0.255 0.183 0.232 0.173             0.241  23.28
51) TETRACHLOROE 0.389 0.360 0.318 0.283 0.346 0.381 0.243       0.331  16.16
52) DIBROMOCHLOR 0.536 0.526 0.469 0.420 0.524 0.584 0.408       0.495  13.11
53) 1,2-DIBROMOE 0.389 0.377 0.329 0.289 0.332 0.356 0.228       0.328  16.94
54) CHLOROBENZEN 0.608 0.587 0.519 0.464 0.550 0.561 0.394       0.526  14.24
55) ETHYLBENZENE 0.947 0.907 0.796 0.673 0.737 0.495 0.239       0.685  36.16
            ----- Linear regression -----  Coefficient =  0.9982
              Response Ratio = -0.07306 + 0.95531 *A

56) m,p-XYLENE   0.397 0.372 0.327 0.279 0.315 0.204 0.087       0.283  37.75
            ----- Linear regression -----  Coefficient =  0.9977
              Response Ratio = -0.06549 + 0.39936 *A

57) o-XYLENE     0.405 0.373 0.329 0.273 0.319 0.175 0.069       0.277  42.62
            ----- Linear regression -----  Coefficient =  0.9970
              Response Ratio = -0.03674 + 0.40695 *A

58) STYRENE      0.579 0.525 0.421 0.323 0.288 0.148 0.068       0.336  55.93
            ----- Linear regression -----  Coefficient =  0.9947
              Response Ratio = -0.07685 + 0.58626 *A

59) NONANE       0.416 0.382 0.333 0.278 0.380 0.147             0.323  30.48
            ----- Linear regression -----  Coefficient =  0.9967
              Response Ratio = -0.04651 + 0.42111 *A

60) BROMOFORM    0.593 0.544 0.466 0.396 0.502 0.511 0.335       0.478  18.39
61) 4-BROMOFLUOR 0.731 0.693 0.662 0.627 0.653 0.552 0.503       0.631  12.62
62) 1,1,2,2-TETR 0.508 0.465 0.401 0.346 0.522 0.456 0.265       0.423  21.80
63) ISOPROPYLBEN 1.156 1.075 0.925 0.754 0.947 0.524 0.212       0.799  41.62
            ----- Linear regression -----  Coefficient =  0.9968
              Response Ratio = -0.10637 + 1.16342 *A

64) 2-CHLOROTOLU 0.820 0.742 0.627 0.501 0.600 0.320 0.146       0.537  44.06
            ----- Linear regression -----  Coefficient =  0.9954
              Response Ratio = -0.08980 + 0.82500 *A

65) 4-ETHYLTOLUE 1.123 0.996 0.778 0.602 0.696 0.277 0.127       0.657  54.75
```

Initial Calibration Summary

Job Number: M65503 **Sample:** MSJ557-ICC557
Account: GEI GEI Consultants, Inc. **Lab FileID:** J10762.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

```
            ----- Linear regression -----  Coefficient =  0.9930
              Response Ratio = -0.15365 + 1.13173 *A

66) 1,3,5-TRIMET 0.993 0.886 0.735 0.585 0.783 0.319 0.119       0.632  49.71
            ----- Linear regression -----  Coefficient =  0.9943
              Response Ratio = -0.11488 + 0.99783 *A

67) 1,2,4-TRIMET 0.939 0.811 0.667 0.509 0.632 0.226 0.087       0.553  55.26
            ----- Linear regression -----  Coefficient =  0.9924
              Response Ratio = -0.12628 + 0.94228 *A

68) m-DICHLOROBE 0.677 0.568 0.483 0.403 0.420 0.266 0.137       0.422  42.85
            ----- Linear regression -----  Coefficient =  0.9914
              Response Ratio = -0.08962 + 0.67658 *A

69) BENZYL CHLOR 0.564 0.458 0.387 0.284 0.231 0.072             0.333  52.55
            ----- Linear regression -----  Coefficient =  0.9906
              Response Ratio = -0.11648 + 0.57403 *A

70) p-DICHLOROBE 0.645 0.543 0.467 0.384 0.344 0.197 0.098       0.383  49.81
            ----- Linear regression -----  Coefficient =  0.9921
              Response Ratio = -0.08702 + 0.64524 *A

71) o-DICHLOROBE 0.595 0.493 0.419 0.340 0.416 0.255 0.127       0.378  40.83
            ----- Linear regression -----  Coefficient =  0.9902
              Response Ratio = -0.07928 + 0.59303 *A

72) HEXACHLOROBU 0.367 0.323 0.296 0.231 0.743 0.360 0.220       0.363  48.82
         ----- Quadratic regression -----                Coefficient =  0.9951
              Response Ratio = 0.02088 + 0.25448 *A + 0.02689 *A^2

73) 1,2,4-TRICHL 0.228 0.197 0.166 0.113 0.146 0.072             0.154  36.61
            ----- Linear regression -----  Coefficient =  0.9933
              Response Ratio = -0.03971 + 0.23216 *A

74) NAPHTHALENE                                                  0.000  -1.00
-------------------------------------------------------------------------------
(#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          J062507T.M        Tue Jun 26 11:26:42 2007
```

Continuing Calibration Summary

Job Number: M65503 **Sample:** MSJ557-CC557
Account: GEI GEI Consultants, Inc. **Lab FileID:** J10768A.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Evaluate Continuing Calibration Report

```
Data File : C:\MSDCHEM\1\DATA\J10768A.D                    Vial: 1
Acq On    : 26 Jun 2007  11:20 am                     Operator: danat
Sample    : cc557-10 (M080)                           Inst    : MSJ
Misc      : MS13762, MSJ557,,,,,1                     Multiplr: 1.00
MS Integration Params: LSCINT.P

Method       : C:\MSDCHEM\1\METHODS\J062507T.M (RTE Integrator)
Title        :  TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update  : Mon Jun 25 18:16:44 2007
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  40%  Max. R.T. Dev  0.33min
Max. RRF Dev :  30%     Max. Rel. Area : 180%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	93	0.00	8.63
2	m	DICHLORODIFLUOROMETHANE	3.560	3.752	-5.4	113	0.00	4.07
3	m	PROPYLENE	0.524	0.599	-14.3	111	0.00	4.00
4	m	FREON 114	3.101	2.921	5.8	101	0.00	4.33
5	m	CHLOROMETHANE	0.771	0.767	0.5	108	0.00	4.24
6	m	VINYL CHLORIDE	0.884	0.867	1.9	102	0.01	4.46
7	m	1,3-BUTADIENE	0.625	0.646	-3.4	101	0.00	4.59
8	m	BROMOMETHANE	1.003	0.989	1.4	99	0.00	4.86
9	m	CHLOROETHANE	0.409	0.401	2.0	97	0.00	5.04
10	m	TRICHLOROFLUOROMETHANE	3.741	3.576	4.4	104	0.00	5.80
11	m	ISOPROPYL ALCOHOL	1.134	1.023	9.8	90	0.00	5.98
		----------	True	Calc.	% Drift		----------	
12	m	ACETONE	10.000	8.820	11.8	93	0.01	5.67
13	m	PENTANE	10.000	10.098	-1.0	102	0.00	6.14
		----------	AvgRF	CCRF	% Dev		----------	
14	m	1,1-DICHLOROETHYLENE	0.954	0.903	5.3	90	0.00	6.43
15	m	CARBON DISULFIDE	2.895	2.700	6.7	97	0.00	6.86
		----------	True	Calc.	% Drift		----------	
16	m	ETHANOL	10.000	9.662	3.4	95	0.01	5.24
		----------	AvgRF	CCRF	% Dev		----------	
17	m	BROMOETHENE	0.967	0.957	1.0	94	0.00	5.39
		----------	True	Calc.	% Drift		----------	
18	m	METHYLENE CHLORIDE	10.000	8.509	14.9	89	0.00	6.56
		----------	AvgRF	CCRF	% Dev		----------	
19	m	3-CHLOROPROPENE	0.754	0.728	3.4	103	0.01	6.67
20	m	FREON 113	2.342	2.044	12.7	95	0.00	6.80
21	m	TRANS-1,2-DICHLOROETHYLEN	0.921	0.877	4.8	92	0.00	7.46
22	m	TERTIARY BUTYL ALCOHOL	1.246	1.413	-13.4	92	0.01	6.58
23	m	METHYL TERTIARY BUTYL ETH	1.909	1.855	2.8	88	0.01	7.75
24	m	TETRAHYDROFURAN	0.579	0.568	1.9	92	0.00	9.19
25	m	HEXANE	1.159	0.958	17.3	95	0.00	8.64
26	m	VINYL ACETATE	1.272	1.096	13.8	88	0.00	7.81
27	m	1,1-DICHLOROETHANE	1.609	1.497	7.0	100	0.00	7.66
28	m	METHYL ETHYL KETONE	1.211	1.131	6.6	95	0.00	8.08
29	m	cis-1,2-DICHLOROETHYLENE	0.879	0.823	6.4	94	0.00	8.47
30	m	ETHYL ACETATE	1.252	1.191	4.9	93	0.00	8.70

Continuing Calibration Summary

Job Number: M65503 **Sample:** MSJ557-CC557
Account: GEI GEI Consultants, Inc. **Lab FileID:** J10768A.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

31	m	CHLOROFORM	2.256	2.090	7.4	101	0.00	8.75
32	m	1,1,1-TRICHLOROETHANE	2.614	2.466	5.7	101	0.00	9.69
33	m	CARBON TETRACHLORIDE	3.236	3.274	-1.2	104	0.00	10.26
34	m	1,2-DICHLOROETHANE	1.301	1.240	4.7	101	0.00	9.46
35	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	90	0.00	10.45
36	m	BENZENE	0.468	0.466	0.4	94	0.00	10.13
37	m	CYCLOHEXANE	0.227	0.243	-7.0	97	0.00	10.37
38	m	TRICHLOROETHYLENE	0.259	0.271	-4.6	101	0.00	11.12
39	m	1,2-DICHLOROPROPANE	0.159	0.159	0.0	99	0.00	10.91
40	m	BROMODICHLOROMETHANE	0.465	0.451	3.0	99	0.00	11.10
41	m	2,2,4-TRIMETHYLPENTANE	0.708	0.815	-15.1	104	0.00	11.12
42	m	1,4-DIOXANE	0.087	0.087	0.0	97	0.00	11.19
43	m	HEPTANE	0.224	0.253	-12.9	100	0.00	11.36
44	m	METHYL ISOBUTYL KETONE	0.283	0.296	-4.6	97	0.00	12.01
		----------	True	Calc.	% Drift	----------		
45	m	cis-1,3-DICHLOROPROPENE	10.000	9.405	6.0	99	0.00	11.94
		----------	AvgRF	CCRF	% Dev	----------		
46	m	TOLUENE	0.310	0.342	-10.3	96	0.00	12.89
		----------	True	Calc.	% Drift	----------		
47	m	trans-1,3-DICHLOROPROPENE	10.000	8.701	13.0	84	0.00	12.45
		----------	AvgRF	CCRF	% Dev	----------		
48	m	1,1,2-TRICHLOROETHANE	0.171	0.175	-2.3	101	0.00	12.63
49	I	CHLOROBENZENE-D5	1.000	1.000	0.0	91	0.00	14.68
50	m	2-HEXANONE	0.241	0.258	-7.1	92	0.00	13.18
51	m	TETRACHLOROETHYLENE	0.331	0.352	-6.3	101	0.00	14.01
52	m	DIBROMOCHLOROMETHANE	0.495	0.511	-3.2	99	0.00	13.33
53	m	1,2-DIBROMOETHANE	0.328	0.353	-7.6	98	0.00	13.58
54	m	CHLOROBENZENE	0.460	0.561	-22.0	99	0.00	14.72
		----------	True	Calc.	% Drift	----------		
55	m	ETHYLBENZENE	10.000	9.766	2.3	98	0.00	15.09
56	m	m,p-XYLENE	20.000	19.851	0.7	101	0.00	15.29
57	m	o-XYLENE	10.000	9.857	1.4	101	0.00	15.79
58	m	STYRENE	10.000	9.217	7.8	100	0.00	15.68
59	m	NONANE	10.000	10.451	-4.5	108	0.00	15.97
		----------	AvgRF	CCRF	% Dev	----------		
60	m	BROMOFORM	0.478	0.528	-10.5	103	0.00	15.41
61	S	4-BROMOFLUOROBENZENE	0.552	0.673	-21.9	93	0.00	16.30
62	m	1,1,2,2-TETRACHLOROETHANE	0.423	0.501	-18.4	114	0.00	15.80
		----------	True	Calc.	% Drift	----------		
63	m	ISOPROPYLBENZENE	10.000	10.228	-2.3	107	0.00	16.43
64	m	2-CHLOROTOLUENE	10.000	10.226	-2.3	110	0.00	16.99
65	m	4-ETHYLTOLUENE	10.000	9.084	9.2	102	0.00	17.17
66	m	1,3,5-TRIMETHYLBENZENE	10.000	9.988	0.1	109	0.00	17.26
67	m	1,2,4-TRIMETHYLBENZENE	10.000	9.953	0.5	111	0.00	17.72
68	m	m-DICHLOROBENZENE	10.000	10.222	-2.2	114	0.00	17.91
69	m	BENZYL CHLORIDE	10.000	10.065	-0.6	109	0.00	17.89
70	m	p-DICHLOROBENZENE	10.000	10.075	-0.7	110	0.00	17.99
71	m	o-DICHLOROBENZENE	10.000	10.662	-6.6	120	0.00	18.37
72	m	HEXACHLOROBUTADIENE	10.000	14.409	-44.1#	137	0.00	20.76
73	m	1,2,4-TRICHLOROBENZENE	10.000	11.586	-15.9	126	0.00	20.27

Continuing Calibration Summary

Job Number: M65503 **Sample:** MSJ557-CC557
Account: GEI GEI Consultants, Inc. **Lab FileID:** J10768A.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

```
            ---------------------- AvgRF   CCRF     % Dev   -------------
74 m   NAPHTHALENE                          ----------NA----------
-------------------------------------------------------------------------------

 (  1.4 %)  1 of  70 compounds'%D > 30
-------------------------------------------------------------------------------

   (#) = Out of Range              SPCC's out = 0  CCC's out = 0
    J10762.D   J062507T.M       Tue Jun 26 11:55:23 2007
```

Initial Calibration Verification

Job Number: M65503 **Sample:** MSJ557-ICV557
Account: GEI GEI Consultants, Inc. **Lab FileID:** J10768.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\J10768.D Vial: 1
Acq On : 26 Jun 2007 11:20 am Operator: danat
Sample : icv557-10 (M080) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\J062507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Mon Jun 25 18:16:44 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 40% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 180%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	93	0.00	8.63
2	m	DICHLORODIFLUOROMETHANE	3.560	3.752	-5.4	113	0.00	4.07
3	m	PROPYLENE	0.524	0.599	-14.3	111	0.00	4.00
4	m	FREON 114	3.101	2.921	5.8	101	0.00	4.33
5	m	CHLOROMETHANE	0.771	0.767	0.5	108	0.00	4.24
6	m	VINYL CHLORIDE	0.884	0.867	1.9	102	0.01	4.46
7	m	1,3-BUTADIENE	0.625	0.646	-3.4	101	0.00	4.59
8	m	BROMOMETHANE	1.003	0.989	1.4	99	0.00	4.86
9	m	CHLOROETHANE	0.409	0.401	2.0	97	0.00	5.04
10	m	TRICHLOROFLUOROMETHANE	3.741	3.576	4.4	104	0.00	5.80
11	m	ISOPROPYL ALCOHOL	1.134	1.023	9.8	90	0.00	5.98
		----------	True	Calc.	% Drift	----------		
12	m	ACETONE	10.000	8.820	11.8	93	0.01	5.67
13	m	PENTANE	10.000	10.098	-1.0	102	0.00	6.14
		----------	AvgRF	CCRF	% Dev	----------		
14	m	1,1-DICHLOROETHYLENE	0.954	0.903	5.3	90	0.00	6.43
15	m	CARBON DISULFIDE	2.895	2.700	6.7	97	0.00	6.86
		----------	True	Calc.	% Drift	----------		
16	m	ETHANOL	10.000	9.662	3.4	95	0.01	5.24
		----------	AvgRF	CCRF	% Dev	----------		
17	m	BROMOETHENE	0.967	0.957	1.0	94	0.00	5.39
		----------	True	Calc.	% Drift	----------		
18	m	METHYLENE CHLORIDE	10.000	8.509	14.9	89	0.00	6.56
		----------	AvgRF	CCRF	% Dev	----------		
19	m	3-CHLOROPROPENE	0.754	0.728	3.4	103	0.01	6.67
20	m	FREON 113	2.342	2.044	12.7	95	0.00	6.80
21	m	TRANS-1,2-DICHLOROETHYLEN	0.921	0.877	4.8	92	0.00	7.46
22	m	TERTIARY BUTYL ALCOHOL	1.246	1.413	-13.4	92	0.01	6.58
23	m	METHYL TERTIARY BUTYL ETH	1.909	1.855	2.8	88	0.01	7.75
24	m	TETRAHYDROFURAN	0.579	0.568	1.9	92	0.00	9.19
25	m	HEXANE	1.159	0.958	17.3	95	0.00	8.64
26	m	VINYL ACETATE	1.272	1.096	13.8	88	0.00	7.81
27	m	1,1-DICHLOROETHANE	1.609	1.497	7.0	100	0.00	7.66
28	m	METHYL ETHYL KETONE	1.211	1.131	6.6	95	0.00	8.08
29	m	cis-1,2-DICHLOROETHYLENE	0.879	0.823	6.4	94	0.00	8.47
30	m	ETHYL ACETATE	1.252	1.191	4.9	93	0.00	8.70

Initial Calibration Verification

Job Number: M65503 **Sample:** MSJ557-ICV557
Account: GEI GEI Consultants, Inc. **Lab FileID:** J10768.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

31	m	CHLOROFORM	2.256	2.090	7.4	101	0.00	8.75
32	m	1,1,1-TRICHLOROETHANE	2.614	2.466	5.7	101	0.00	9.69
33	m	CARBON TETRACHLORIDE	3.236	3.274	-1.2	104	0.00	10.26
34	m	1,2-DICHLOROETHANE	1.301	1.240	4.7	101	0.00	9.46
35	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	90	0.00	10.45
36	m	BENZENE	0.468	0.466	0.4	94	0.00	10.13
37	m	CYCLOHEXANE	0.227	0.243	-7.0	97	0.00	10.37
38	m	TRICHLOROETHYLENE	0.259	0.271	-4.6	101	0.00	11.12
39	m	1,2-DICHLOROPROPANE	0.159	0.159	0.0	99	0.00	10.91
40	m	BROMODICHLOROMETHANE	0.465	0.451	3.0	99	0.00	11.10
41	m	2,2,4-TRIMETHYLPENTANE	0.708	0.815	-15.1	104	0.00	11.12
42	m	1,4-DIOXANE	0.087	0.087	0.0	97	0.00	11.19
43	m	HEPTANE	0.224	0.253	-12.9	100	0.00	11.36
44	m	METHYL ISOBUTYL KETONE	0.283	0.296	-4.6	97	0.00	12.01
		----------	True	Calc.	% Drift	----------		
45	m	cis-1,3-DICHLOROPROPENE	10.000	9.405	6.0	99	0.00	11.94
		----------	AvgRF	CCRF	% Dev	----------		
46	m	TOLUENE	0.310	0.342	-10.3	96	0.00	12.89
		----------	True	Calc.	% Drift	----------		
47	m	trans-1,3-DICHLOROPROPENE	10.000	8.701	13.0	84	0.00	12.45
		----------	AvgRF	CCRF	% Dev	----------		
48	m	1,1,2-TRICHLOROETHANE	0.171	0.175	-2.3	101	0.00	12.63
49	I	CHLOROBENZENE-D5	1.000	1.000	0.0	91	0.00	14.68
50	m	2-HEXANONE	0.241	0.258	-7.1	92	0.00	13.18
51	m	TETRACHLOROETHYLENE	0.331	0.352	-6.3	101	0.00	14.01
52	m	DIBROMOCHLOROMETHANE	0.495	0.511	-3.2	99	0.00	13.33
53	m	1,2-DIBROMOETHANE	0.328	0.353	-7.6	98	0.00	13.58
54	m	CHLOROBENZENE	0.460	0.561	-22.0	99	0.00	14.72
		----------	True	Calc.	% Drift	----------		
55	m	ETHYLBENZENE	10.000	9.766	2.3	98	0.00	15.09
56	m	m,p-XYLENE	20.000	19.851	0.7	101	0.00	15.29
57	m	o-XYLENE	10.000	9.857	1.4	101	0.00	15.79
58	m	STYRENE	10.000	9.217	7.8	100	0.00	15.68
59	m	NONANE	10.000	10.451	-4.5	108	0.00	15.97
		----------	AvgRF	CCRF	% Dev	----------		
60	m	BROMOFORM	0.478	0.528	-10.5	103	0.00	15.41
61	S	4-BROMOFLUOROBENZENE	0.552	0.673	-21.9	93	0.00	16.30
62	m	1,1,2,2-TETRACHLOROETHANE	0.423	0.501	-18.4	114	0.00	15.80
		----------	True	Calc.	% Drift	----------		
63	m	ISOPROPYLBENZENE	10.000	10.228	-2.3	107	0.00	16.43
64	m	2-CHLOROTOLUENE	10.000	10.226	-2.3	110	0.00	16.99
65	m	4-ETHYLTOLUENE	10.000	9.084	9.2	102	0.00	17.17
66	m	1,3,5-TRIMETHYLBENZENE	10.000	9.988	0.1	109	0.00	17.26
67	m	1,2,4-TRIMETHYLBENZENE	10.000	9.953	0.5	111	0.00	17.72
68	m	m-DICHLOROBENZENE	10.000	10.222	-2.2	114	0.00	17.91
69	m	BENZYL CHLORIDE	10.000	10.065	-0.6	109	0.00	17.89
70	m	p-DICHLOROBENZENE	10.000	10.075	-0.7	110	0.00	17.99
71	m	o-DICHLOROBENZENE	10.000	10.662	-6.6	120	0.00	18.37
72	m	HEXACHLOROBUTADIENE	10.000	14.409	-44.1#	137	0.00	20.76
73	m	1,2,4-TRICHLOROBENZENE	10.000	11.586	-15.9	126	0.00	20.27

Initial Calibration Verification

Job Number: M65503 **Sample:** MSJ557-ICV557
Account: GEI GEI Consultants, Inc. **Lab FileID:** J10768.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

```
            ---------------------- AvgRF   CCRF     % Dev   -------------
74 m   NAPHTHALENE                          ----------NA----------
-------------------------------------------------------------------------------

 (  1.4 %)  1 of  70 compounds'%D > 30
-------------------------------------------------------------------------------

   (#) = Out of Range              SPCC's out = 0  CCC's out = 0
    J10762.D   J062507T.M       Tue Jun 26 11:52:32 2007
```

Initial Calibration Summary

Job Number: M65503 **Sample:** MSQ189-ICC189
Account: GEI GEI Consultants, Inc. **Lab FileID:** Q3476.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Response Factor Report MAMSQ

Method : C:\msdchem\1\METHODS\Q052107T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Tue May 22 09:36:34 2007
Response via : Initial Calibration

Calibration Files
.2 =Q3480.D .5 =Q3479.D 2 =Q3478.D
5 =Q3477.D 10 =Q3476.D 20 =Q3475.D 40 =Q3474.D

Compound	.2	.5	2	5	10	20	40	Avg	%RSD
1) I BROMOCHLOROMETHANE	----------ISTD----------								
2)m DICHLORODIFLUOROM	8.106	9.064	7.942	6.847	9.144	9.860		8.494	12.66
3)m PROPYLENE		1.420	1.268	1.022	1.260	1.634		1.321	17.08
4)m FREON 114	7.364	8.448	6.976	6.059	7.982	9.120		7.658	14.27
5)m CHLOROMETHANE	2.263	1.862	1.803	1.400	1.843	2.073		1.874	15.49
6)m VINYL CHLORIDE	1.852	2.130	1.747	1.497	1.879	2.135		1.873	12.92
7)m 1,3-BUTADIENE	2.259	2.259	1.866	1.739	2.049	2.283		2.076	11.16
8)m BROMOMETHANE	2.974	2.489	2.150	1.691	2.084	2.454		2.307	18.94
9)m CHLOROETHANE	1.381	1.264	0.803	0.692	0.772	0.890		0.967	29.47
10)m TRICHLOROFLUOROME	1.508	1.376	1.209	0.942	1.134	1.484	1.158	1.259 E1	16.37
11)m ISOPROPYL ALCOHOL		3.808	3.641	2.993	3.680	4.121	3.413	3.609	10.55
12)m ACETONE		5.057	4.173	3.431	4.197	4.613	3.975	4.241	13.08
13)m PENTANE		2.537	2.068	1.751	1.949	2.380	1.983	2.111	13.85
14)m 1,1-DICHLOROETHYL	3.088	2.737	2.294	2.212	2.527	3.138	2.547	2.649	13.62
15)m CARBON DISULFIDE	8.449	7.013	5.716	5.915	6.735	7.446	6.355	6.804	13.87
16)m ETHANOL		0.547	0.604	0.487	0.524	0.709	0.470	0.557	15.88
17)m BROMOETHENE	2.673	3.403	2.130	1.806	2.204	2.588	2.233	2.434	21.22
18)m METHYLENE CHLORID		3.447	2.286	2.055	2.292	2.573	2.082	2.456	21.17
19)m 3-CHLOROPROPENE	5.342	3.464	3.121	2.938	3.252	3.706	3.156	3.568	23.00
20)m FREON 113	1.150	0.638	0.649	0.714	0.858	1.011	0.884	0.844 E1	22.74
21)m TRANS-1,2-DICHLOR	3.263	2.095	1.832	2.497	2.962	3.120	2.755	2.646	20.15
22)m TERTIARY BUTYL AL	7.365	4.370	4.080	4.503	4.746	5.756	4.132	4.993	23.80
23)m METHYL TERTIARY B	7.039	4.074	4.323	5.322	6.774	7.222	6.552	5.901	22.30
24)m TETRAHYDROFURAN		1.499	1.360	1.382	1.502	1.742	1.649	1.522	9.79
25)m HEXANE		2.676	1.865	1.505	1.735	1.985	1.932	1.950	20.26
26)m VINYL ACETATE	2.578	3.543	3.649	3.401	6.223	6.764	6.457	4.659	37.47
----- Linear regression (equal Weighting)----- Coefficient = 0.9961									
Response Ratio = -0.47381 + 6.63526 *A									
27)m 1,1-DICHLOROETHAN	6.765	3.883	3.539	4.432	4.902	5.345	4.687	4.793	22.13
28)m METHYL ETHYL KETO		2.957	3.799	2.918	3.318	3.616	3.859	3.411	12.10
29)m cis-1,2-DICHLOROE	1.000	1.754	1.364	1.200	1.434	1.631	1.648	1.433	18.80
30)m ETHYL ACETATE		6.628	5.579	4.863	5.218	5.958	5.925	5.695	10.90
31)m CHLOROFORM	4.908	6.098	4.219	3.875	4.114	4.604	4.765	4.655	15.82
32)m 1,1,1-TRICHLOROET	6.093	6.507	5.600	4.445	4.581	5.371	5.637	5.462	13.70
33)m CARBON TETRACHLOR	5.602	7.794	6.122	5.174	5.877	6.521	6.819	6.273	13.82
34)m 1,2-DICHLOROETHAN	3.019	4.027	3.023	2.839	2.856	3.096	3.346	3.172	13.02
35) I 1,4-DIFLUOROBENZENE	----------ISTD----------								
36)m BENZENE	0.855	0.994	0.853	0.706	0.817	0.950	1.115	0.899	14.81
37)m CYCLOHEXANE		0.316	0.360	0.244	0.317	0.332	0.346	0.319	12.69
38)m TRICHLOROETHYLENE	0.435	0.604	0.573	0.426	0.506	0.587	0.659	0.541	16.32
39)m 1,2-DICHLOROPROPA	0.168	0.323	0.359	0.261	0.303	0.327	0.348	0.299	22.08
40)m BROMODICHLOROMETH	0.881	1.133	1.112	0.853	0.947	1.051	1.190	1.024	12.81
41)m 2,2,4-TRIMETHYLPE	1.198	1.558	1.481	1.134	1.311	1.515	1.696	1.413	14.46
42)m 1,4-DIOXANE		0.088	0.156	0.133	0.153	0.183	0.202	0.153	26.15

Initial Calibration Summary

Job Number: M65503 **Sample:** MSQ189-ICC189
Account: GEI GEI Consultants, Inc. **Lab FileID:** Q3476.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

```
43)m HEPTANE           0.316 0.567 0.674 0.461 0.553 0.598 0.646 0.545  22.44
44)m METHYL ISOBUTYL K       0.576 0.860 0.739 0.822 0.953 1.031 0.830  19.37
45)m cis-1,3-DICHLOROP       0.458 0.511 0.402 0.470 0.555 0.650 0.508  17.07
46)m TOLUENE           0.296 0.488 0.565 0.514 0.621 0.687       0.528  25.55
47)m trans-1,3-DICHLOR       0.352 0.447 0.409 0.486 0.568 0.710 0.495  25.87
48)m 1,1,2-TRICHLOROET 0.254 0.331 0.446 0.333 0.361 0.402 0.433 0.366  18.40

49) I   CHLOROBENZENE-D5      ----------------ISTD--------------------
50)m 2-HEXANONE              0.301 0.738 0.692 0.850 0.941 0.958 0.747  32.52
  ----- Linear regression  (equal Weighting)-----  Coefficient =  0.9991
              Response Ratio = -0.08206 + 0.97634 *A

51)m TETRACHLOROETHYLE 0.417 0.481 0.241 0.444 0.573 0.696 1.000 0.550  44.13
         ----- Quadratic regression -----  Coefficient =  0.9998
              Response Ratio = -0.01011 + 0.41026 *A + 0.14791 *A^2

52)m DIBROMOCHLOROMETH 0.907 1.050 1.133 1.004 1.258 1.363 1.653 1.195  21.22
53)m 1,2-DIBROMOETHANE       0.857 0.985 0.663 0.840 0.937 1.077 0.893  15.94
54)m CHLOROBENZENE           1.116 1.025 0.869 1.005 1.185 1.235 1.072  12.46
55)m ETHYLBENZENE            1.287 1.528 1.443 1.819 1.982 2.230 1.715  20.86
56)m m,p-XYLENE              0.505 0.679 0.552 0.686 0.765 0.945 0.689  22.89
57)m o-XYLENE                0.594 0.733 0.505 0.669 0.791 0.976 0.711  23.09
58)m STYRENE                 0.513 0.786 0.681 0.920 1.015 1.154 0.845  27.54
59)m NONANE                  0.833 0.964 0.889 1.084 1.260 1.298 1.055  18.32
60)m BROMOFORM               0.821 1.027 1.005 1.317 1.602       1.155  26.57
61)S 4-BROMOFLUOROBENZ 0.758 0.569 0.834 0.793 0.827 0.802 0.791 0.768  11.88
62)m 1,1,2,2-TETRACHLO 1.326 0.729 1.298 0.932 1.198 1.335 1.635 1.208  24.51
63)m ISOPROPYLBENZENE  1.263 1.366 1.685 1.629 2.040 2.274 2.680 1.848  27.60
64)m 2-CHLOROTOLUENE         0.812 1.291 1.185 1.499 1.758 1.940 1.414  28.86
65)m 4-ETHYLTOLUENE    0.485 0.865 1.541 1.508 1.939 2.245 2.686 1.610  47.50
         ----- Quadratic regression -----  Coefficient =  0.9997
              Response Ratio = -0.07523 + 1.79793 *A + 0.22760 *A^2

66)m 1,3,5-TRIMETHYLBE 0.671 0.963 1.394 1.385 1.936 2.170 2.664 1.598  43.71
         ----- Quadratic regression -----  Coefficient =  0.9997
              Response Ratio = -0.07012 + 1.70566 *A + 0.24429 *A^2

67)m 1,2,4-TRIMETHYLBE 0.431 0.671 1.164 1.290 1.684 2.058 2.527 1.403  53.02
         ----- Quadratic regression -----  Coefficient =  0.9997
              Response Ratio = -0.08413 + 1.56607 *A + 0.24640 *A^2

68)m m-DICHLOROBENZENE 0.166 0.402 0.870 0.814 1.045 1.274 1.629 0.886  56.20
         ----- Quadratic regression -----  Coefficient =  0.9998
              Response Ratio = -0.03485 + 0.91212 *A + 0.18182 *A^2

69)m BENZYL CHLORIDE   0.197 0.300 0.603 0.880 1.134 1.312 1.539 0.852  59.86
  ----- Linear regression  (equal Weighting)-----  Coefficient =  0.9931
              Response Ratio = -0.21853 + 1.54737 *A

70)m p-DICHLOROBENZENE 0.124 0.370 0.772 0.698 0.959 1.112 1.413 0.778  56.20
         ----- Quadratic regression -----  Coefficient =  0.9998
              Response Ratio = -0.03105 + 0.82097 *A + 0.15016 *A^2

71)m o-DICHLOROBENZENE 0.386 0.374 0.575 0.765 1.003 1.195 1.479 0.825  50.89
         ----- Quadratic regression -----  Coefficient =  0.9997
              Response Ratio = -0.05048 + 0.91451 *A + 0.14470 *A^2

72)m HEXACHLOROBUTADIE 1.873 0.305 0.251 0.406 0.530 0.543 0.470 0.625  89.70
         ----- Quadratic regression -----  Coefficient =  0.9967
              Response Ratio = -0.03177 + 0.60036 *A + -0.03020 *A^2
```

Initial Calibration Summary

Job Number: M65503 **Sample:** MSQ189-ICC189
Account: GEI GEI Consultants, Inc. **Lab FileID:** Q3476.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

```
73)m 1,2,4-TRICHLOROBE 0.069 0.068 0.156 0.160 0.171 0.138 0.138 0.128  33.28
         ----- Quadratic regression -----  Coefficient =  0.9970
              Response Ratio = 0.00155 + 0.15304 *A + -0.00409 *A^2

74)m NAPHTHALENE                                                 0.000  -1.00
---------------------------------------------------------------------------
(#) = Out of Range

          Q052107T.m        Tue May 22 09:38:32 2007   RPT1
```

Initial Calibration Verification

Job Number: M65503 **Sample:** MSQ189-ICV189
Account: GEI GEI Consultants, Inc. **Lab FileID:** Q3482.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\Q3482.D Vial: 1
Acq On : 22 May 2007 9:55 am Operator: PhilipB
Sample : ICV189-10 (M068) Inst : MAMSQ
Misc : MS13602,MSQ189,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\msdchem\1\METHODS\Q052107T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Tue May 22 09:36:34 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 40% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 180%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	98	0.00	8.21- 8.62
2	m	DICHLORODIFLUOROMETHAN	8.494	6.341	25.3	68	0.00	3.38- 3.79
3	m	PROPYLENE	1.321	0.949	28.2	74	0.00	3.31- 3.72
4	m	FREON 114	7.658	6.571	14.2	81	0.00	3.65- 4.06
5	m	CHLOROMETHANE	1.874	1.355	27.7	72	0.00	3.55- 3.96
6	m	VINYL CHLORIDE	1.873	1.523	18.7	79	0.00	3.77- 4.19
7	m	1,3-BUTADIENE	2.076	1.688	18.7	81	0.00	3.91- 4.32
8	m	BROMOMETHANE	2.307	2.024	12.3	95	0.00	4.19- 4.60
9	m	CHLOROETHANE	0.967	0.768	20.6	97	0.00	4.37- 4.78
10	m	TRICHLOROFLUOROMETHANE	12.587	12.822	-1.9	111	0.00	5.18- 5.59
11	m	ISOPROPYL ALCOHOL	3.609	3.959	-9.7	105	0.00	5.20- 5.67
12	m	ACETONE	4.241	4.442	-4.7	104	0.00	4.98- 5.39
13	m	PENTANE	2.111	2.360	-11.8	119	0.00	5.61- 5.92
14	m	1,1-DICHLOROETHYLENE	2.649	2.975	-12.3	115	0.00	5.86- 6.27
15	m	CARBON DISULFIDE	6.804	6.978	-2.6	102	0.00	6.31- 6.72
16	m	ETHANOL	0.557	0.547	1.8	102	-0.01	4.43- 4.89
17	m	BROMOETHENE	2.434	2.216	9.0	99	0.00	4.73- 5.14
18	m	METHYLENE CHLORIDE	2.456	2.429	1.1	104	0.00	6.04- 6.34
19	m	3-CHLOROPROPENE	3.568	3.542	0.7	107	0.00	6.11- 6.52
20	m	FREON 113	8.436	8.322	1.4	95	0.00	6.26- 6.67
21	m	TRANS-1,2-DICHLOROETHY	2.646	2.642	0.2	87	0.00	6.97- 7.38
22	m	TERTIARY BUTYL ALCOHOL	4.993	5.365	-7.5	111	-0.01	5.82- 6.34
23	m	METHYL TERTIARY BUTYL	5.901	6.483	-9.9	94	0.00	7.24- 7.65
24	m	TETRAHYDROFURAN	1.522	1.556	-2.2	102	0.00	8.81- 9.09
25	m	HEXANE	1.950	1.805	7.4	102	0.00	8.25- 8.66
		----------	True	Calc.	% Drift	----------		
26	m	VINYL ACETATE	10.000	10.757	-7.6	105	0.00	7.35- 7.70
		----------	AvgRF	CCRF	% Dev	----------		
27	m	1,1-DICHLOROETHANE	4.793	5.033	-5.0	101	0.00	7.18- 7.59
28	m	METHYL ETHYL KETONE	3.411	3.291	3.5	97	0.00	7.55- 8.03
29	m	cis-1,2-DICHLOROETHYLE	1.433	1.427	0.4	98	0.00	8.04- 8.45
30	m	ETHYL ACETATE	5.695	5.528	2.9	104	0.00	8.25- 8.67
31	m	CHLOROFORM	4.655	4.463	4.1	106	0.00	8.34- 8.76
32	m	1,1,1-TRICHLOROETHANE	5.462	4.908	10.1	105	0.00	9.34- 9.76
33	m	CARBON TETRACHLORIDE	6.273	5.858	6.6	98	0.00	9.95-10.36
34	m	1,2-DICHLOROETHANE	3.172	3.065	3.4	105	0.00	9.09- 9.50
35	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	103	0.00	10.14-10.55
36	m	BENZENE	0.899	0.819	8.9	103	0.00	9.80-10.21
37	m	CYCLOHEXANE	0.319	0.296	7.2	96	0.00	10.08-10.49

Initial Calibration Verification

Job Number: M65503 **Sample:** MSQ189-ICV189
Account: GEI GEI Consultants, Inc. **Lab FileID:** Q3482.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

38	m	TRICHLOROETHYLENE	0.541	0.529	2.2	107	0.00	10.89-11.20
39	m	1,2-DICHLOROPROPANE	0.299	0.311	-4.0	106	0.00	10.61-11.02
40	m	BROMODICHLOROMETHANE	1.024	0.963	6.0	104	0.00	10.85-11.16
41	m	2,2,4-TRIMETHYLPENTANE	1.413	1.384	2.1	108	0.00	10.86-11.28
42	m	1,4-DIOXANE	0.153	0.165	-7.8	111	0.00	10.78-11.30
43	m	HEPTANE	0.545	0.522	4.2	97	0.00	11.17-11.48
44	m	METHYL ISOBUTYL KETONE	0.830	0.866	-4.3	108	0.00	11.70-12.13
45	m	cis-1,3-DICHLOROPROPEN	0.508	0.486	4.3	106	0.00	11.69-12.10
46	m	TOLUENE	0.528	0.613	-16.1	101	0.00	12.67-13.08
47	m	trans-1,3-DICHLOROPROP	0.495	0.506	-2.2	107	0.00	12.26-12.57
48	m	1,1,2-TRICHLOROETHANE	0.366	0.362	1.1	103	0.00	12.41-12.78
49	I	CHLOROBENZENE-D5	1.000	1.000	0.0	104	0.00	14.54-14.85
		----------	True	Calc.	% Drift		----------	
50	m	2-HEXANONE	10.000	9.946	0.5	109	0.00	12.91-13.31
51	m	TETRACHLOROETHYLENE	10.000	9.620	3.8	95	0.00	13.83-14.24
		----------	AvgRF	CCRF	% Dev		----------	
52	m	DIBROMOCHLOROMETHANE	1.195	1.197	-0.2	99	0.00	13.13-13.50
53	m	1,2-DIBROMOETHANE	0.893	0.821	8.1	102	0.00	13.42-13.73
54	m	CHLOROBENZENE	1.072	0.986	8.0	102	0.00	14.59-14.90
55	m	ETHYLBENZENE	1.715	1.794	-4.6	103	0.00	14.95-15.31
56	m	m,p-XYLENE	0.689	0.657	4.6	100	0.00	15.14-15.50
57	m	o-XYLENE	0.711	0.669	5.9	104	0.00	15.64-16.01
58	m	STYRENE	0.845	0.836	1.1	95	0.00	15.55-15.86
59	m	NONANE	1.055	1.105	-4.7	106	0.00	15.88-16.19
60	m	BROMOFORM	1.155	1.248	-8.1	99	0.00	15.27-15.58
61	S	4-BROMOFLUOROBENZENE	0.768	0.817	-6.4	103	0.00	16.18-16.49
62	m	1,1,2,2-TETRACHLOROETH	1.208	1.209	-0.1	105	0.00	15.66-15.97
63	m	ISOPROPYLBENZENE	1.848	1.924	-4.1	98	0.00	16.32-16.63
64	m	2-CHLOROTOLUENE	1.414	1.464	-3.5	102	0.00	16.82-17.24
		----------	True	Calc.	% Drift		----------	
65	m	4-ETHYLTOLUENE	10.000	9.287	7.1	96	0.00	17.09-17.36
66	m	1,3,5-TRIMETHYLBENZENE	10.000	9.113	8.9	91	0.00	17.18-17.44
67	m	1,2,4-TRIMETHYLBENZENE	10.000	9.177	8.2	96	0.00	17.62-17.93
68	m	m-DICHLOROBENZENE	10.000	8.905	11.0	92	0.00	17.79-18.12
69	m	BENZYL CHLORIDE	10.000	8.163	18.4	96	0.00	17.78-18.09
70	m	p-DICHLOROBENZENE	10.000	9.490	5.1	96	0.00	17.91-18.15
71	m	o-DICHLOROBENZENE	10.000	8.499	15.0	86	0.00	18.26-18.57
72	m	HEXACHLOROBUTADIENE	10.000	8.877	11.2	94	0.00	20.61-21.02
73	m	1,2,4-TRICHLOROBENZENE	10.000	8.740	12.6	81	0.00	20.12-20.53
		----------	AvgRF	CCRF	% Dev		----------	
74	m	NAPHTHALENE		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Q3476.D Q052107T.m Tue May 22 15:17:13 2007 RPT1

Continuing Calibration Summary

Job Number: M65503 **Sample:** MSQ190-CC189
Account: GEI GEI Consultants, Inc. **Lab FileID:** Q3491.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\Q3491.D Vial: 1
Acq On : 22 May 2007 6:00 pm Operator: PhilipB
Sample : CC189-10 (M068) Inst : MAMSQ
Misc : MS13602,MSQ190,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\msdchem\1\METHODS\Q052107T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Tue May 22 09:36:34 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 40% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 180%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	119	0.00	8.22- 8.64
2	m	DICHLORODIFLUOROMETHAN	8.494	5.808	31.6#	76	0.02	3.40- 3.81
3	m	PROPYLENE	1.321	0.944	28.5	89	0.02	3.33- 3.74
4	m	FREON 114	7.658	5.837	23.8	87	0.02	3.66- 4.08
5	m	CHLOROMETHANE	1.874	1.325	29.3	86	0.02	3.57- 3.98
6	m	VINYL CHLORIDE	1.873	1.461	22.0	93	0.02	3.79- 4.20
7	m	1,3-BUTADIENE	2.076	1.650	20.5	96	0.02	3.93- 4.34
8	m	BROMOMETHANE	2.307	1.799	22.0	103	0.02	4.21- 4.62
9	m	CHLOROETHANE	0.967	0.712	26.4	110	0.01	4.38- 4.79
10	m	TRICHLOROFLUOROMETHANE	12.587	10.911	13.3	115	0.01	5.20- 5.61
11	m	ISOPROPYL ALCOHOL	3.609	3.342	7.4	108	0.01	5.22- 5.69
12	m	ACETONE	4.241	3.844	9.4	109	0.01	4.99- 5.41
13	m	PENTANE	2.111	2.069	2.0	127	0.00	5.62- 5.93
14	m	1,1-DICHLOROETHYLENE	2.649	2.471	6.7	117	0.01	5.88- 6.29
15	m	CARBON DISULFIDE	6.804	6.179	9.2	110	0.01	6.33- 6.74
16	m	ETHANOL	0.557	0.472	15.3	108	0.00	4.45- 4.92
17	m	BROMOETHENE	2.434	2.021	17.0	109	0.01	4.75- 5.16
18	m	METHYLENE CHLORIDE	2.456	2.349	4.4	122	0.01	6.05- 6.35
19	m	3-CHLOROPROPENE	3.568	2.947	17.4	108	0.00	6.12- 6.54
20	m	FREON 113	8.436	7.312	13.3	102	0.01	6.27- 6.69
21	m	TRANS-1,2-DICHLOROETHY	2.646	2.311	12.7	93	0.01	6.98- 7.40
22	m	TERTIARY BUTYL ALCOHOL	4.993	4.438	11.1	112	0.00	5.84- 6.36
23	m	METHYL TERTIARY BUTYL	5.901	5.250	11.0	93	0.01	7.25- 7.66
24	m	TETRAHYDROFURAN	1.522	1.378	9.5	110	0.01	8.82- 9.11
25	m	HEXANE	1.950	1.734	11.1	119	0.01	8.26- 8.67
		----------	True	Calc.	% Drift	----------		
26	m	VINYL ACETATE	10.000	8.803	12.0	103	0.01	7.37- 7.72
		----------	AvgRF	CCRF	% Dev	----------		
27	m	1,1-DICHLOROETHANE	4.793	4.297	10.3	105	0.02	7.20- 7.61
28	m	METHYL ETHYL KETONE	3.411	3.082	9.6	111	0.01	7.56- 8.04
29	m	cis-1,2-DICHLOROETHYLE	1.433	1.238	13.6	103	0.01	8.05- 8.46
30	m	ETHYL ACETATE	5.695	5.211	8.5	119	0.01	8.26- 8.68
31	m	CHLOROFORM	4.655	4.109	11.7	119	0.00	8.35- 8.76
32	m	1,1,1-TRICHLOROETHANE	5.462	4.538	16.9	118	0.01	9.35- 9.76
33	m	CARBON TETRACHLORIDE	6.273	5.672	9.6	115	0.00	9.96-10.37
34	m	1,2-DICHLOROETHANE	3.172	2.775	12.5	116	0.00	9.10- 9.51
35	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	125	0.00	10.15-10.56
36	m	BENZENE	0.899	0.730	18.8	112	0.00	9.81-10.22
37	m	CYCLOHEXANE	0.319	0.265	16.9	105	0.00	10.09-10.50

Continuing Calibration Summary

Job Number: M65503 **Sample:** MSQ190-CC189
Account: GEI GEI Consultants, Inc. **Lab FileID:** Q3491.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

38	m	TRICHLOROETHYLENE	0.541	0.502	7.2	124	0.00	10.90-11.21
39	m	1,2-DICHLOROPROPANE	0.299	0.279	6.7	116	0.00	10.62-11.03
40	m	BROMODICHLOROMETHANE	1.024	0.886	13.5	117	0.00	10.86-11.17
41	m	2,2,4-TRIMETHYLPENTANE	1.413	1.312	7.1	125	0.00	10.87-11.28
42	m	1,4-DIOXANE	0.153	0.144	5.9	118	0.01	10.78-11.31
43	m	HEPTANE	0.545	0.485	11.0	110	0.00	11.17-11.48
44	m	METHYL ISOBUTYL KETONE	0.830	0.779	6.1	119	0.00	11.70-12.13
45	m	cis-1,3-DICHLOROPROPEN	0.508	0.443	12.8	118	0.00	11.69-12.11
46	m	TOLUENE	0.528	0.557	-5.5	112	0.00	12.68-13.09
47	m	trans-1,3-DICHLOROPROP	0.495	0.430	13.1	111	0.00	12.26-12.57
48	m	1,1,2-TRICHLOROETHANE	0.366	0.343	6.3	119	0.00	12.42-12.78
49	I	CHLOROBENZENE-D5	1.000	1.000	0.0	126	0.00	14.54-14.85
		----------	True	Calc.	% Drift	----------		
50	m	2-HEXANONE	10.000	8.731	12.7	114	0.00	12.91-13.31
51	m	TETRACHLOROETHYLENE	10.000	8.780	12.2	102	0.00	13.83-14.24
		----------	AvgRF	CCRF	% Dev	----------		
52	m	DIBROMOCHLOROMETHANE	1.195	1.144	4.3	115	0.00	13.14-13.50
53	m	1,2-DIBROMOETHANE	0.893	0.753	15.7	113	0.00	13.42-13.73
54	m	CHLOROBENZENE	1.072	0.915	14.6	115	0.00	14.59-14.90
55	m	ETHYLBENZENE	1.715	1.636	4.6	114	0.00	14.94-15.31
56	m	m,p-XYLENE	0.689	0.616	10.6	113	0.00	15.15-15.51
57	m	o-XYLENE	0.711	0.624	12.2	118	0.00	15.65-16.01
58	m	STYRENE	0.845	0.777	8.0	107	0.00	15.55-15.86
59	m	NONANE	1.055	0.977	7.4	114	0.00	15.88-16.19
60	m	BROMOFORM	1.155	1.174	-1.6	113	0.00	15.27-15.58
61	S	4-BROMOFLUOROBENZENE	0.768	0.790	-2.9	121	0.00	16.18-16.49
62	m	1,1,2,2-TETRACHLOROETH	1.208	1.131	6.4	119	0.00	15.66-15.97
63	m	ISOPROPYLBENZENE	1.848	1.742	5.7	108	0.00	16.32-16.63
64	m	2-CHLOROTOLUENE	1.414	1.314	7.1	111	0.00	16.83-17.24
		----------	True	Calc.	% Drift	----------		
65	m	4-ETHYLTOLUENE	10.000	8.591	14.1	107	0.00	17.09-17.36
66	m	1,3,5-TRIMETHYLBENZENE	10.000	8.418	15.8	100	0.00	17.18-17.44
67	m	1,2,4-TRIMETHYLBENZENE	10.000	8.654	13.5	109	0.00	17.62-17.93
68	m	m-DICHLOROBENZENE	10.000	8.919	10.8	112	0.00	17.79-18.12
69	m	BENZYL CHLORIDE	10.000	7.312	26.9	102	0.00	17.78-18.09
70	m	p-DICHLOROBENZENE	10.000	8.313	16.9	99	0.00	17.91-18.15
71	m	o-DICHLOROBENZENE	10.000	7.512	24.9	90	0.00	18.27-18.58
72	m	HEXACHLOROBUTADIENE	10.000	7.931	20.7	101	0.00	20.61-21.02
73	m	1,2,4-TRICHLOROBENZENE	10.000	7.531	24.7	85	0.00	20.12-20.53
		----------	AvgRF	CCRF	% Dev	----------		
74	m	NAPHTHALENE		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Q3476.D Q052107T.m Wed May 23 09:42:07 2007 RPT1

Initial Calibration Summary

Job Number: M65503 **Sample:** MSQ193-ICC193
Account: GEI GEI Consultants, Inc. **Lab FileID:** Q3565.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Response Factor Report MAMSQ

Method : C:\msdchem\1\METHODS\Q053007T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 31 09:20:55 2007
Response via : Initial Calibration

Calibration Files
.2 =Q3562.D .5 =Q3561.D 2 =Q3560.D
5 =Q3559.D 10 =Q3565.D 20 =Q3564.D 40 =Q3563.D

Compound	.2	.5	2	5	10	20	40	Avg	%RSD
1) I BROMOCHLOROMETHANE	----------ISTD----------								
2)m DICHLORODIFLUOROM	0.926	0.881	0.893	0.656	0.940	1.040	0.779	0.873 E1	14.13
3)m PROPYLENE	1.923	1.855	1.809	1.253	1.734	1.749	1.807	1.733	12.76
4)m FREON 114	6.900	6.571	6.623	4.902	6.556	8.358	6.211	6.589	15.45
5)m CHLOROMETHANE	2.187	2.349	2.205	1.602	2.216	2.304	2.199	2.152	11.61
6)m VINYL CHLORIDE	2.021	1.802	1.879	1.388	1.761	2.207	1.863	1.846	13.65
7)m 1,3-BUTADIENE	2.812	2.668	2.572	1.770	2.512	2.681	2.777	2.542	14.02
8)m BROMOMETHANE	1.323	1.592	1.711	1.260	1.486	2.115	1.571	1.580	17.92
9)m CHLOROETHANE	0.475	0.749	0.858	0.594	0.725	0.938	0.777	0.731	21.33
10)m TRICHLOROFLUOROME	9.883	8.664	8.806	6.402	8.113	9.252	8.894	8.573	12.84
11)m ISOPROPYL ALCOHOL		5.911	4.658	3.188	4.328	4.509	4.548	4.524	19.18
12)m ACETONE		8.122	5.447	3.742	5.171	5.605	5.747	5.639	25.12
13)m PENTANE	2.638	2.456	2.321	1.623	2.188	2.375	2.480	2.297	14.31
14)m 1,1-DICHLOROETHYL	1.709	1.443	1.581	1.160	1.420	1.589	1.544	1.492	11.77
15)m CARBON DISULFIDE	4.323	3.948	4.085	3.049	3.993	4.448	4.571	4.060	12.40
16)m ETHANOL		1.222	0.785	0.514	0.709	0.823	0.757	0.802	29.04
17)m BROMOETHENE	1.368	1.449	1.549	1.201	1.367	1.837	1.462	1.462	13.53
18)m METHYLENE CHLORID	1.014	0.782	0.167	0.115	0.140	0.147	0.146	0.359 E1	104.48
----- Linear regression (equal Weighting)----- Coefficient = 0.9950									
Response Ratio = 0.08849 + 1.42327 *A									
19)m 3-CHLOROPROPENE	3.720	3.291	2.953	2.062	3.110	3.324	3.603	3.152	17.40
20)m FREON 113	2.996	2.769	2.784	2.149	2.519	2.841	2.956	2.716	10.83
21)m TRANS-1,2-DICHLOR	1.203	1.469	1.543	1.192	1.470	1.635	1.698	1.459	13.48
22)m TERTIARY BUTYL AL	5.452	4.791	5.078	3.686	5.128	2.752		4.481	23.27
23)m METHYL TERTIARY B	6.653	5.298	5.399	3.876	5.406	5.841	6.147	5.517	15.80
24)m TETRAHYDROFURAN	2.659	2.444	2.388	1.712	2.420	2.632	2.776	2.433	14.34
25)m HEXANE		3.966	2.412	1.750	2.305	2.367	2.404	2.534	29.41
26)m VINYL ACETATE	7.216	5.709	6.105	4.564	6.227	6.314	7.448	6.226	15.42
27)m 1,1-DICHLOROETHAN	4.494	4.246	4.227	3.021	4.066	4.387	4.572	4.145	12.65
28)m METHYL ETHYL KETO	7.395	6.081	5.301	3.770	5.388	5.744	6.096	5.682	19.22
29)m cis-1,2-DICHLOROE	0.878	1.409	1.363	0.957	1.223	1.319	1.380	1.219	17.65
30)m ETHYL ACETATE	1.158	0.982	0.827	0.590	0.818	0.858	0.896	0.876 E1	19.74
31)m CHLOROFORM	5.771	5.248	4.974	3.617	4.691	4.894	5.155	4.907	13.52
32)m 1,1,1-TRICHLOROET	6.036	5.719	5.763	4.171	5.214	5.541	5.873	5.474	11.52
33)m CARBON TETRACHLOR	6.137	5.343	5.947	4.518	5.617	6.093	6.698	5.765	12.07
34)m 1,2-DICHLOROETHAN	5.289	4.811	4.949	3.567	4.704	4.938	5.320	4.797	12.27
35) I 1,4-DIFLUOROBENZENE	----------ISTD----------								
36)m BENZENE	0.861	0.739	0.727	0.544	0.728	0.768	0.747	0.730	12.94
37)m CYCLOHEXANE	0.198	0.255	0.280	0.210	0.259	0.278	0.273	0.250	13.22
38)m TRICHLOROETHYLENE	0.441	0.475	0.468	0.355	0.433	0.470	0.482	0.446	9.86
39)m 1,2-DICHLOROPROPA	0.322	0.370	0.329	0.256	0.334	0.357	0.348	0.331	11.13
40)m BROMODICHLOROMETH	1.057	1.014	0.981	0.775	1.005	1.081	1.096	1.001	10.80
41)m 2,2,4-TRIMETHYLPE	1.681	1.581	1.542	1.191	1.569	1.685	1.687	1.562	11.19
42)m 1,4-DIOXANE		0.099	0.118	0.099	0.118	0.129	0.126	0.115	11.37

Initial Calibration Summary

Job Number: M65503 **Sample:** MSQ193-ICC193
Account: GEI GEI Consultants, Inc. **Lab FileID:** Q3565.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

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43)m HEPTANE           0.833 0.788 0.740 0.584 0.792 0.850 0.858 0.778  12.21
44)m METHYL ISOBUTYL K 1.119 1.090 1.075 0.852 1.220 1.307 1.358 1.146  14.77
45)m cis-1,3-DICHLOROP 0.387 0.432 0.479 0.392 0.508 0.561 0.566 0.475  15.69
46)m TOLUENE           0.526 0.516 0.508 0.397 0.496 0.548 0.585 0.511  11.40
47)m trans-1,3-DICHLOR 0.306 0.381 0.497 0.401 0.559 0.617 0.656 0.488  26.77
48)m 1,1,2-TRICHLOROET 0.238 0.302 0.307 0.232 0.302 0.329 0.343 0.293  14.50

49) I   CHLOROBENZENE-D5      ----------------ISTD--------------------
50)m 2-HEXANONE        1.087 1.026 0.976 0.831 1.212 1.202 1.206 1.077  13.35
51)m TETRACHLOROETHYLE 0.229 0.376 0.354 0.288 0.314 0.350 0.399 0.330  17.51
52)m DIBROMOCHLOROMETH 0.759 0.782 0.882 0.726 0.897 0.978 1.043 0.867  13.59
53)m 1,2-DIBROMOETHANE 0.638 0.604 0.640 0.516 0.635 0.677 0.691 0.629   9.16
54)m CHLOROBENZENE     0.705 0.660 0.777 0.599 0.707 0.769 0.784 0.714   9.61
55)m ETHYLBENZENE      1.570 1.459 1.572 1.216 1.533 1.656 1.671 1.525  10.10
56)m m,p-XYLENE        0.479 0.483 0.503 0.404 0.501 0.554 0.581 0.501  11.41
57)m o-XYLENE          0.461 0.456 0.516 0.423 0.544 0.603 0.671 0.525  16.88
58)m STYRENE           0.425 0.431 0.624 0.502 0.653 0.716 0.729 0.583  22.19
59)m NONANE            1.429 1.264 1.373 1.053 1.533 1.636 1.561 1.407  14.21
60)m BROMOFORM         0.477 0.517 0.647 0.541 0.687 0.802 0.915 0.655  24.44
61)S 4-BROMOFLUOROBENZ 1.068 1.055 1.108 1.128 1.284 1.276 1.280 1.171   8.91
62)m 1,1,2,2-TETRACHLO 0.951 0.706 0.813 0.633 0.945 0.819 1.071 0.848  17.89
63)m ISOPROPYLBENZENE  1.625 1.573 1.721 1.381 1.795 2.004 2.119 1.746  14.53
64)m 2-CHLOROTOLUENE   1.193 1.209 1.318 1.082 1.466 1.638 1.711 1.374  17.33
65)m 4-ETHYLTOLUENE    1.211 1.116 1.430 1.238 1.623 1.892 2.027 1.505  23.52
66)m 1,3,5-TRIMETHYLBE 1.169 1.192 1.397 1.191 1.577 1.764 1.958 1.464  21.38
67)m 1,2,4-TRIMETHYLBE 1.086 0.988 1.219 1.072 1.491 1.562 1.790 1.315  22.91
68)m m-DICHLOROBENZENE 0.260 0.220 0.542 0.461 0.634 0.611 0.783 0.502  40.68
         ----- Quadratic regression -----  Coefficient =  0.9989
              Response Ratio = -0.00074 + 0.48582 *A + 0.07398 *A^2

69)m BENZYL CHLORIDE   0.156 0.146 0.553 0.549 0.942 0.667 1.006 0.574  59.07
         ----- Quadratic regression -----  Coefficient =  0.9900
              Response Ratio = 0.02247 + 0.51260 *A + 0.12001 *A^2

70)m p-DICHLOROBENZENE 0.157 0.179 0.456 0.433 0.579 0.569 0.685 0.437  46.18
         ----- Quadratic regression -----  Coefficient =  0.9993
              Response Ratio = -0.01030 + 0.48834 *A + 0.04948 *A^2

71)m o-DICHLOROBENZENE 0.317 0.173 0.471 0.408 0.637 0.439 0.687 0.447  39.53
         ----- Quadratic regression -----  Coefficient =  0.9900
              Response Ratio = 0.03056 + 0.31784 *A + 0.08888 *A^2

72)m HEXACHLOROBUTADIE 0.325 0.193 0.151 0.096 0.172 0.135 0.162 0.176  41.03
         ----- Quadratic regression -----  Coefficient =  0.9940
              Response Ratio = 0.00422 + 0.12303 *A + 0.00932 *A^2

73)m 1,2,4-TRICHLOROBE       0.032 0.051 0.032 0.064 0.055 0.051 0.047  27.14
         ----- Quadratic regression -----  Coefficient =  0.9943
              Response Ratio = -0.00451 + 0.06410 *A + -0.00294 *A^2

74)m NAPHTHALENE                                                0.000  -1.00
-------------------------------------------------------------------------------
(#) = Out of Range

          Q053007T.m        Thu May 31 09:23:42 2007   RPT1
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Initial Calibration Verification

Job Number: M65503 **Sample:** MSQ194-ICV193
Account: GEI GEI Consultants, Inc. **Lab FileID:** Q3570A.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\Q3570A.D Vial: 3
Acq On : 31 May 2007 8:52 am Operator: PhilipB
Sample : ICV193-10 (M021) Inst : MAMSQ
Misc : MS13661, MSQ194,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\msdchem\1\METHODS\Q053007T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 31 09:26:17 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 40% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 180%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	73	0.00	8.22- 8.63
2	m	DICHLORODIFLUOROMETHAN	8.735	8.134	6.9	63	0.00	3.39- 3.80
3	m	PROPYLENE	1.733	1.767	-2.0	74	0.01	3.32- 3.73
4	m	FREON 114	6.589	6.336	3.8	70	0.00	3.65- 4.07
5	m	CHLOROMETHANE	2.152	2.183	-1.4	72	0.01	3.56- 3.97
6	m	VINYL CHLORIDE	1.846	1.824	1.2	75	0.00	3.78- 4.19
7	m	1,3-BUTADIENE	2.542	2.849	-12.1	83	0.00	3.92- 4.33
8	m	BROMOMETHANE	1.580	1.586	-0.4	78	0.00	4.19- 4.61
9	m	CHLOROETHANE	0.731	0.785	-7.4	79	0.00	4.37- 4.78
10	m	TRICHLOROFLUOROMETHANE	8.573	9.178	-7.1	82	0.00	5.19- 5.60
11	m	ISOPROPYL ALCOHOL	4.524	4.989	-10.3	84	0.00	5.20- 5.68
12	m	ACETONE	5.639	6.147	-9.0	87	0.00	4.98- 5.40
13	m	PENTANE	2.297	2.580	-12.3	86	0.00	5.61- 5.92
14	m	1,1-DICHLOROETHYLENE	1.492	1.562	-4.7	80	0.00	5.86- 6.27
15	m	CARBON DISULFIDE	4.060	4.777	-17.7	87	0.00	6.32- 6.73
16	m	ETHANOL	0.802	0.792	1.2	81	0.00	4.44- 4.91
17	m	BROMOETHENE	1.462	1.452	0.7	77	0.00	4.74- 5.15
			True	Calc.	% Drift			
18	m	METHYLENE CHLORIDE	10.000	10.490	-4.9	82	0.00	6.04- 6.34
			AvgRF	CCRF	% Dev			
19	m	3-CHLOROPROPENE	3.152	3.655	-16.0	86	0.00	6.12- 6.53
20	m	FREON 113	2.716	2.856	-5.2	83	0.00	6.27- 6.68
21	m	TRANS-1,2-DICHLOROETHY	1.459	1.753	-20.2	87	0.00	6.98- 7.39
22	m	TERTIARY BUTYL ALCOHOL	4.481	5.825	-30.0	83	0.00	5.83- 6.34
23	m	METHYL TERTIARY BUTYL	5.517	6.405	-16.1	86	0.00	7.24- 7.65
24	m	TETRAHYDROFURAN	2.433	2.597	-6.7	78	0.00	8.81- 9.10
25	m	HEXANE	2.534	2.404	5.1	76	0.00	8.25- 8.67
26	m	VINYL ACETATE	6.226	7.040	-13.1	82	0.00	7.36- 7.71
27	m	1,1-DICHLOROETHANE	4.145	4.992	-20.4	89	0.00	7.18- 7.60
28	m	METHYL ETHYL KETONE	5.682	5.757	-1.3	78	0.00	7.55- 8.03
29	m	cis-1,2-DICHLOROETHYLE	1.219	1.271	-4.3	76	0.00	8.04- 8.45
30	m	ETHYL ACETATE	8.757	8.914	-1.8	79	0.00	8.25- 8.68
31	m	CHLOROFORM	4.907	4.994	-1.8	78	0.00	8.35- 8.76
32	m	1,1,1-TRICHLOROETHANE	5.474	5.515	-0.7	77	0.00	9.35- 9.76
33	m	CARBON TETRACHLORIDE	5.765	5.799	-0.6	75	0.00	9.95-10.36
34	m	1,2-DICHLOROETHANE	4.797	5.159	-7.5	80	0.00	9.09- 9.51
35	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	72	0.00	10.14-10.55
36	m	BENZENE	0.730	0.779	-6.7	77	0.00	9.80-10.22
37	m	CYCLOHEXANE	0.250	0.267	-6.8	74	0.00	10.08-10.49

Initial Calibration Verification

Job Number: M65503 **Sample:** MSQ194-ICV193
Account: GEI GEI Consultants, Inc. **Lab FileID:** Q3570A.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

38	m	TRICHLOROETHYLENE	0.446	0.463	-3.8	77	0.00	10.89-11.20
39	m	1,2-DICHLOROPROPANE	0.331	0.356	-7.6	77	0.00	10.62-11.03
40	m	BROMODICHLOROMETHANE	1.001	1.086	-8.5	78	0.00	10.86-11.17
41	m	2,2,4-TRIMETHYLPENTANE	1.562	1.674	-7.2	77	0.00	10.87-11.28
42	m	1,4-DIOXANE	0.115	0.124	-7.8	76	0.00	10.78-11.30
43	m	HEPTANE	0.778	0.833	-7.1	76	0.00	11.17-11.48
44	m	METHYL ISOBUTYL KETONE	1.146	1.349	-17.7	80	0.00	11.70-12.13
45	m	cis-1,3-DICHLOROPROPEN	0.475	0.536	-12.8	76	0.00	11.69-12.10
46	m	TOLUENE	0.511	0.506	1.0	74	0.00	12.67-13.08
47	m	trans-1,3-DICHLOROPROP	0.488	0.580	-18.9	75	0.00	12.26-12.57
48	m	1,1,2-TRICHLOROETHANE	0.293	0.316	-7.8	76	0.00	12.41-12.78
49	I	CHLOROBENZENE-D5	1.000	1.000	0.0	71	0.00	14.54-14.85
50	m	2-HEXANONE	1.077	1.328	-23.3	78	0.00	12.91-13.31
51	m	TETRACHLOROETHYLENE	0.330	0.319	3.3	72	0.00	13.83-14.24
52	m	DIBROMOCHLOROMETHANE	0.867	0.947	-9.2	75	0.00	13.14-13.50
53	m	1,2-DIBROMOETHANE	0.629	0.660	-4.9	74	0.00	13.41-13.72
54	m	CHLOROBENZENE	0.714	0.722	-1.1	73	0.00	14.59-14.90
55	m	ETHYLBENZENE	1.525	1.635	-7.2	76	0.00	14.95-15.31
56	m	m,p-XYLENE	0.501	0.524	-4.6	74	0.00	15.14-15.50
57	m	o-XYLENE	0.525	0.562	-7.0	73	0.00	15.65-16.01
58	m	STYRENE	0.583	0.692	-18.7	75	0.00	15.55-15.86
59	m	NONANE	1.407	1.747	-24.2	81	0.00	15.88-16.19
60	m	BROMOFORM	0.655	0.728	-11.1	75	0.00	15.27-15.58
61	S	4-BROMOFLUOROBENZENE	1.171	1.354	-15.6	75	0.00	16.18-16.49
62	m	1,1,2,2-TETRACHLOROETH	0.848	1.043	-23.0	78	0.00	15.66-15.97
63	m	ISOPROPYLBENZENE	1.746	1.930	-10.5	76	0.00	16.32-16.63
64	m	2-CHLOROTOLUENE	1.374	1.581	-15.1	77	0.00	16.83-17.24
65	m	4-ETHYLTOLUENE	1.505	1.797	-19.4	79	0.00	17.09-17.36
66	m	1,3,5-TRIMETHYLBENZENE	1.464	1.737	-18.6	78	0.00	17.18-17.44
67	m	1,2,4-TRIMETHYLBENZENE	1.315	1.638	-24.6	78	0.00	17.62-17.93
		----------	True	Calc.	% Drift		----------	
68	m	m-DICHLOROBENZENE	10.000	12.027	-20.3	77	0.00	17.79-18.12
69	m	BENZYL CHLORIDE	10.000	14.928	-49.3#	80	0.00	17.78-18.09
70	m	p-DICHLOROBENZENE	10.000	11.330	-13.3	74	0.00	17.91-18.15
71	m	o-DICHLOROBENZENE	10.000	14.704	-47.0#	77	0.00	18.26-18.57
72	m	HEXACHLOROBUTADIENE	10.000	13.241	-32.4#	76	0.00	20.61-21.02
73	m	1,2,4-TRICHLOROBENZENE	10.000	10.416	-4.2	66	0.00	20.12-20.53
		----------	AvgRF	CCRF	% Dev		----------	
74	m	NAPHTHALENE	0.000	0.000	0.0	0#	0.07	20.52-20.94

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Q3565.D Q053007T.m Thu May 31 09:31:34 2007 RPT1

Continuing Calibration Summary

Job Number: M65503 **Sample:** MSQ195-CC193
Account: GEI GEI Consultants, Inc. **Lab FileID:** Q3590.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\Q3590.D Vial: 3
Acq On : 1 Jun 2007 3:56 pm Operator: PhilipB
Sample : CC193-10 (M021) Inst : MAMSQ
Misc : MS13676, MSQ195,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\msdchem\1\METHODS\Q053007T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Jun 01 16:17:24 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 40% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 180%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	91	0.00	8.22- 8.64
2	m	DICHLORODIFLUOROMETHAN	8.735	8.748	-0.1	84	0.02	3.40- 3.82
3	m	PROPYLENE	1.733	1.589	8.3	83	0.03	3.33- 3.75
4	m	FREON 114	6.589	6.945	-5.4	96	0.02	3.67- 4.08
5	m	CHLOROMETHANE	2.152	2.138	0.7	87	0.02	3.57- 3.98
6	m	VINYL CHLORIDE	1.846	1.863	-0.9	96	0.02	3.79- 4.20
7	m	1,3-BUTADIENE	2.542	2.947	-15.9	106	0.02	3.93- 4.34
8	m	BROMOMETHANE	1.580	1.706	-8.0	104	0.02	4.21- 4.62
9	m	CHLOROETHANE	0.731	0.890	-21.8	111	0.02	4.38- 4.80
10	m	TRICHLOROFLUOROMETHANE	8.573	11.059	-29.0	123	0.02	5.20- 5.61
11	m	ISOPROPYL ALCOHOL	4.524	5.787	-27.9	121	0.01	5.22- 5.69
12	m	ACETONE	5.639	7.208	-27.8	126	0.01	5.00- 5.41
13	m	PENTANE	2.297	3.072	-33.7#	127	0.00	5.63- 5.94
14	m	1,1-DICHLOROETHYLENE	1.492	2.007	-34.5#	128	0.02	5.88- 6.29
15	m	CARBON DISULFIDE	4.060	6.081	-49.8#	138	0.02	6.33- 6.74
16	m	ETHANOL	0.802	0.853	-6.4	109	0.01	4.46- 4.92
17	m	BROMOETHENE	1.462	1.718	-17.5	114	0.02	4.76- 5.17
		----------	True	Calc.	% Drift	----------		
18	m	METHYLENE CHLORIDE	10.000	13.001	-30.0	128	0.02	6.06- 6.36
		----------	AvgRF	CCRF	% Dev	----------		
19	m	3-CHLOROPROPENE	3.152	4.471	-41.8#	130	0.01	6.13- 6.54
20	m	FREON 113	2.716	3.527	-29.9	127	0.01	6.27- 6.69
21	m	TRANS-1,2-DICHLOROETHY	1.459	2.273	-55.8#	140	0.01	6.99- 7.40
22	m	TERTIARY BUTYL ALCOHOL	4.481	6.970	-55.5#	123	0.01	5.84- 6.36
23	m	METHYL TERTIARY BUTYL	5.517	7.873	-42.7#	132	0.01	7.25- 7.66
24	m	TETRAHYDROFURAN	2.433	2.668	-9.7	100	0.01	8.82- 9.11
25	m	HEXANE	2.534	2.511	0.9	99	0.00	8.26- 8.67
26	m	VINYL ACETATE	6.226	9.137	-46.8#	133	0.01	7.37- 7.72
27	m	1,1-DICHLOROETHANE	4.145	6.331	-52.7#	141	0.01	7.20- 7.61
28	m	METHYL ETHYL KETONE	5.682	6.288	-10.7	106	0.01	7.56- 8.04
29	m	cis-1,2-DICHLOROETHYLE	1.219	1.280	-5.0	95	0.02	8.06- 8.47
30	m	ETHYL ACETATE	8.757	9.595	-9.6	106	0.01	8.26- 8.68
31	m	CHLOROFORM	4.907	5.376	-9.6	104	0.00	8.35- 8.76
32	m	1,1,1-TRICHLOROETHANE	5.474	5.882	-7.5	102	0.01	9.35- 9.76
33	m	CARBON TETRACHLORIDE	5.765	6.277	-8.9	101	0.00	9.96-10.37
34	m	1,2-DICHLOROETHANE	4.797	5.633	-17.4	108	0.00	9.10- 9.51
35	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	91	0.00	10.14-10.56
36	m	BENZENE	0.730	0.759	-4.0	95	0.00	9.81-10.22
37	m	CYCLOHEXANE	0.250	0.262	-4.8	93	0.00	10.08-10.50

Continuing Calibration Summary

Job Number: M65503 **Sample:** MSQ195-CC193
Account: GEI GEI Consultants, Inc. **Lab FileID:** Q3590.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

38	m	TRICHLOROETHYLENE	0.446	0.493	-10.5	104	0.00	10.90-11.21
39	m	1,2-DICHLOROPROPANE	0.331	0.351	-6.0	96	0.01	10.62-11.03
40	m	BROMODICHLOROMETHANE	1.001	1.136	-13.5	103	0.00	10.86-11.17
41	m	2,2,4-TRIMETHYLPENTANE	1.562	1.706	-9.2	99	0.00	10.87-11.28
42	m	1,4-DIOXANE	0.115	0.128	-11.3	99	0.02	10.79-11.31
43	m	HEPTANE	0.778	0.861	-10.7	99	0.00	11.17-11.48
44	m	METHYL ISOBUTYL KETONE	1.146	1.414	-23.4	106	0.00	11.70-12.13
45	m	cis-1,3-DICHLOROPROPEN	0.475	0.545	-14.7	98	0.00	11.69-12.11
46	m	TOLUENE	0.511	0.498	2.5	92	0.00	12.67-13.08
47	m	trans-1,3-DICHLOROPROP	0.488	0.578	-18.4	94	0.00	12.26-12.57
48	m	1,1,2-TRICHLOROETHANE	0.293	0.326	-11.3	99	0.00	12.42-12.78
49	I	CHLOROBENZENE-D5	1.000	1.000	0.0	89	0.00	14.54-14.85
50	m	2-HEXANONE	1.077	1.395	-29.5	103	0.00	12.91-13.32
51	m	TETRACHLOROETHYLENE	0.330	0.304	7.9	86	0.00	13.83-14.24
52	m	DIBROMOCHLOROMETHANE	0.867	0.958	-10.5	95	0.00	13.14-13.50
53	m	1,2-DIBROMOETHANE	0.629	0.643	-2.2	91	0.00	13.41-13.72
54	m	CHLOROBENZENE	0.714	0.727	-1.8	92	0.00	14.59-14.89
55	m	ETHYLBENZENE	1.525	1.620	-6.2	94	0.00	14.95-15.31
56	m	m,p-XYLENE	0.501	0.502	-0.2	90	0.00	15.14-15.50
57	m	o-XYLENE	0.525	0.550	-4.8	90	0.00	15.64-16.01
58	m	STYRENE	0.583	0.651	-11.7	89	0.00	15.55-15.86
59	m	NONANE	1.407	1.749	-24.3	102	0.00	15.88-16.19
60	m	BROMOFORM	0.655	0.696	-6.3	91	0.00	15.27-15.58
61	S	4-BROMOFLUOROBENZENE	1.171	1.241	-6.0	86	0.00	16.18-16.49
62	m	1,1,2,2-TETRACHLOROETH	0.848	1.035	-22.1	98	0.00	15.66-15.97
63	m	ISOPROPYLBENZENE	1.746	1.801	-3.2	90	0.00	16.32-16.63
64	m	2-CHLOROTOLUENE	1.374	1.480	-7.7	90	0.00	16.83-17.24
65	m	4-ETHYLTOLUENE	1.505	1.600	-6.3	88	0.00	17.09-17.36
66	m	1,3,5-TRIMETHYLBENZENE	1.464	1.643	-12.2	93	0.00	17.18-17.44
67	m	1,2,4-TRIMETHYLBENZENE	1.315	1.470	-11.8	88	0.00	17.61-17.92

			True	Calc.	% Drift			
68	m	m-DICHLOROBENZENE	10.000	9.458	5.4	74	0.07	17.86-18.19
69	m	BENZYL CHLORIDE	10.000	13.246	-32.5#	86	0.00	17.78-18.09
70	m	p-DICHLOROBENZENE	10.000	9.925	0.7	81	0.00	17.91-18.14
71	m	o-DICHLOROBENZENE	10.000	12.639	-26.4	81	0.00	18.26-18.57
72	m	HEXACHLOROBUTADIENE	10.000	10.321	-3.2	74	-0.02	20.58-20.99
73	m	1,2,4-TRICHLOROBENZENE	10.000	8.099	19.0	64	-0.02	20.10-20.51

			AvgRF	CCRF	% Dev
74	m	NAPHTHALENE			NA

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Q3565.D Q053007T.m Fri Jun 01 16:29:54 2007 RPT1

GC/MS Volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10773.D
Acq On : 26 Jun 2007 4:00 pm
Operator : danat
Sample : m65503-1 (M132)
Misc : MS13762, MSJ557,,,,,1200
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 26 16:33:52 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Jun 25 18:15:12 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.56	128	362024	10.00	PPBV	-0.06
35) 1,4-DIFLUOROBENZENE	10.39	114	1551122	10.00	PPBV	-0.06
49) CHLOROBENZENE-D5	14.66	117	1412283	10.00	PPBV	-0.02

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.28	95	357011	4.00	PPBV	-0.02

Spiked Amount 5.000 Range 51 - 142 Recovery = 80.00%

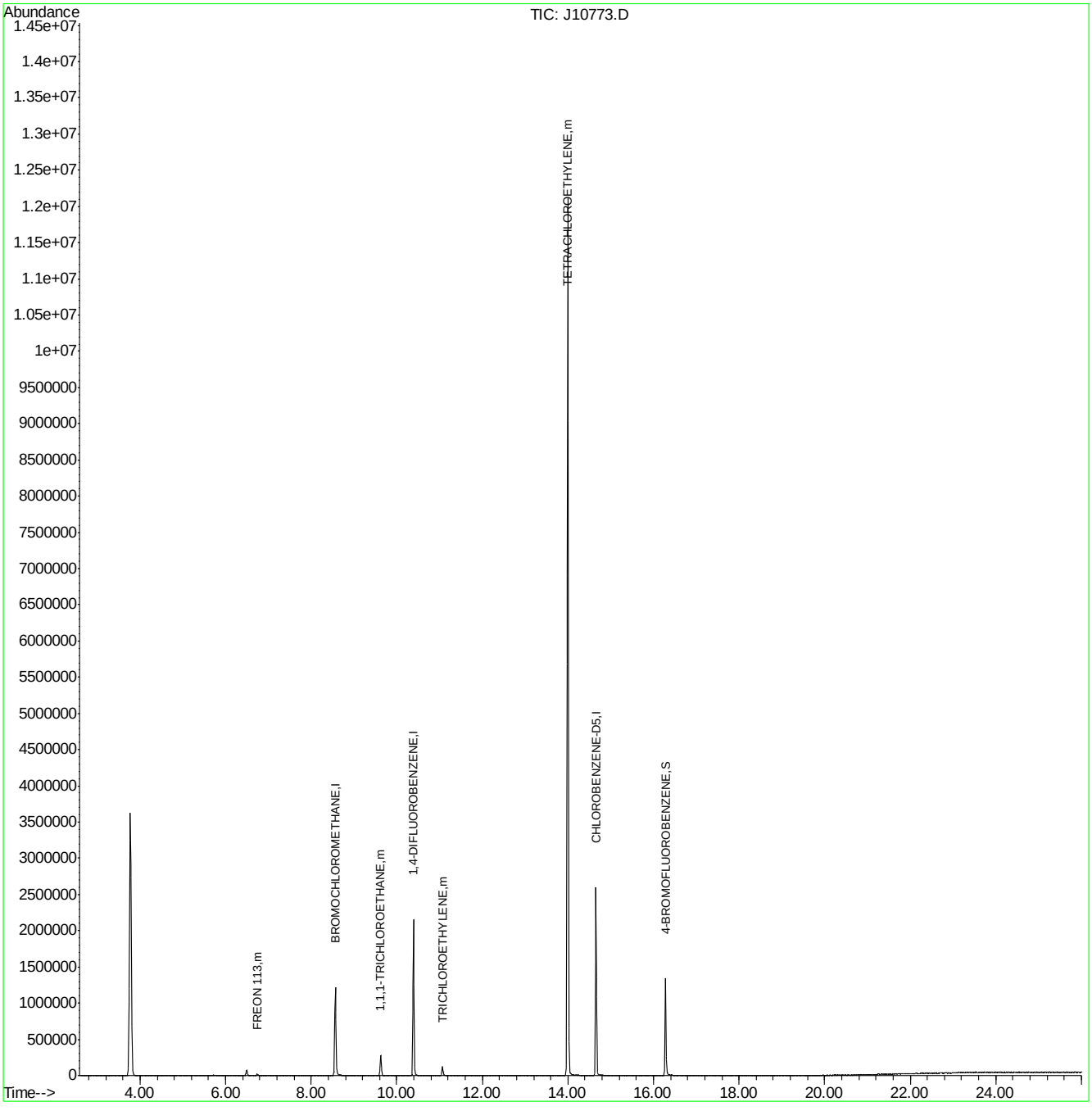
Target Compounds						Qvalue
20) FREON 113	6.74	151	8609	0.10	PPBV	96
32) 1,1,1-TRICHLOROETHANE	9.62	97	184448	1.95	PPBV	98
38) TRICHLOROETHYLENE	11.07	95	36046	0.90	PPBV	97
51) TETRACHLOROETHYLENE	14.00	164	2902068	62.01	PPBV	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

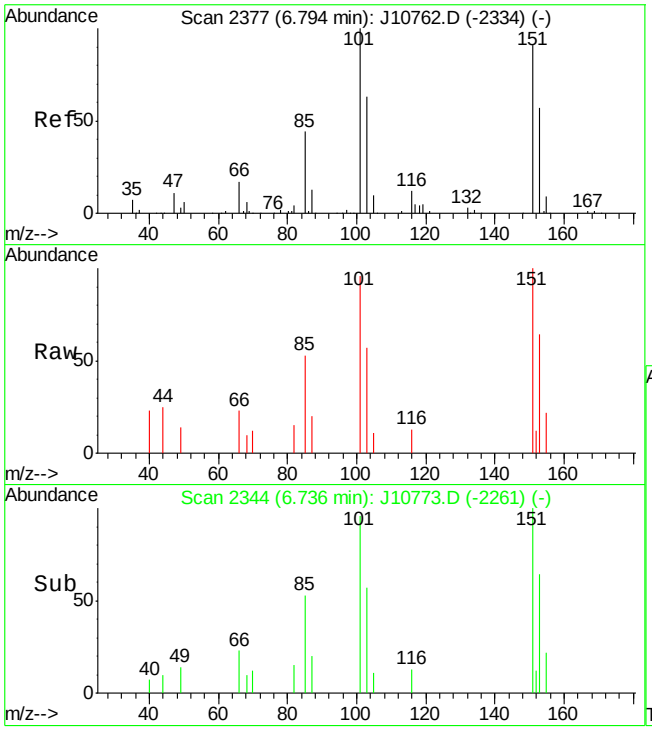
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10773.D
Acq On : 26 Jun 2007 4:00 pm
Operator : danat
Sample : m65503-1 (M132)
Misc : MS13762, MSJ557,,,,,1200
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 26 16:33:52 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Jun 25 18:15:12 2007
Response via : Initial Calibration



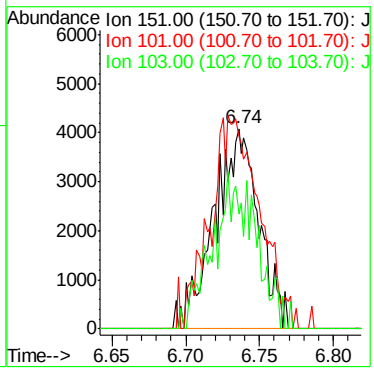
J062507T.M Tue Jun 26 16:34:13 2007

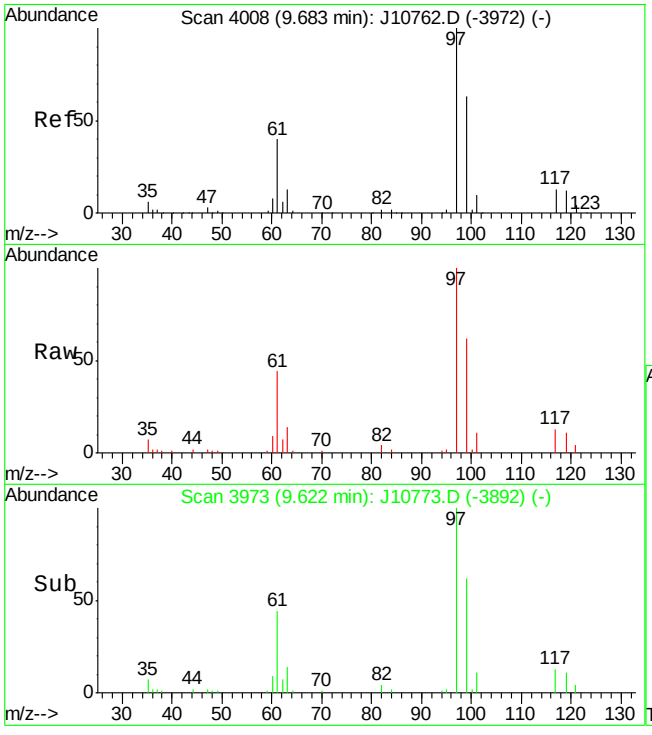


#20
FREON 113
Concen: 0.10 PPBV
RT: 6.74 min Scan# 2344
Delta R.T. -0.06 min
Lab File: J10773.D
Acq: 26 Jun 2007 4:00 pm

Tgt Ion:151 Resp: 8609

Ion	Ratio	Lower	Upper
151	100		
101	117.8	92.2	132.2
103	74.7	52.4	92.4

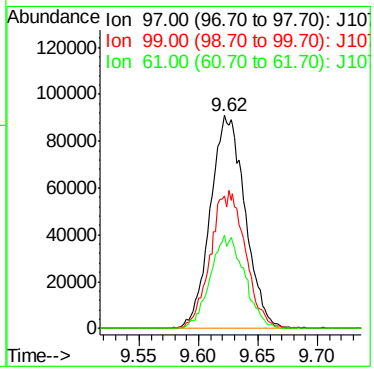




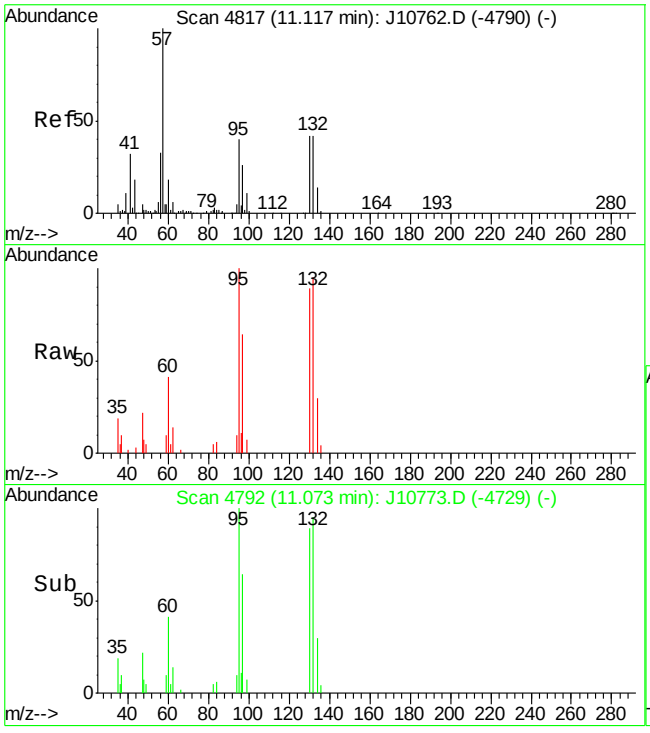
#32
1,1,1-TRICHLOROETHANE
Concen: 1.95 PPBV
RT: 9.62 min Scan# 3973
Delta R.T. -0.06 min
Lab File: J10773.D
Acq: 26 Jun 2007 4:00 pm

Tgt Ion: 97 Resp: 184448

Ion	Ratio	Lower	Upper
97	100		
99	64.6	44.1	84.1
61	42.8	21.0	61.0



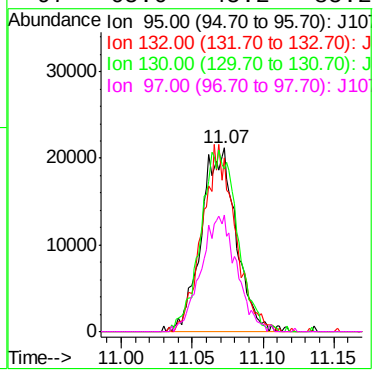
ACCUTEST Laboratories M65503

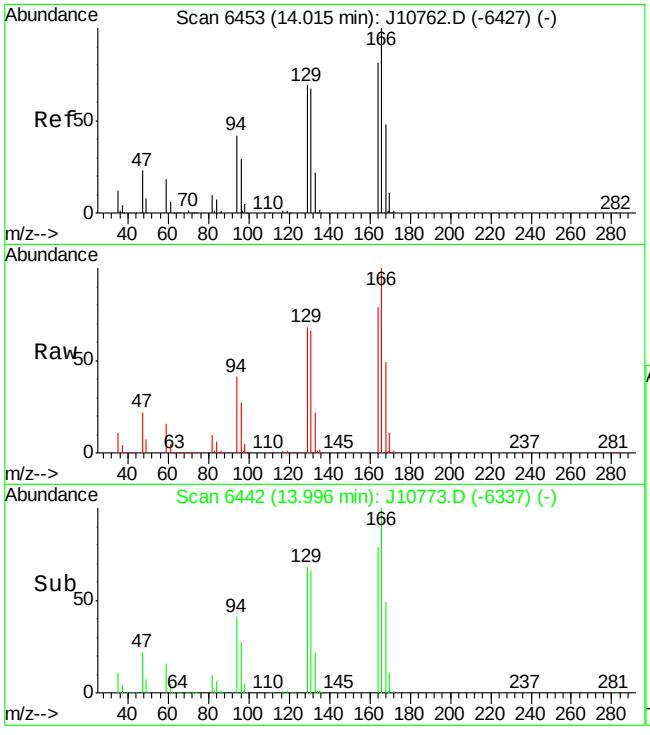


#38
TRICHLOROETHYLENE
Concen: 0.90 PPBV
RT: 11.07 min Scan# 4792
Delta R.T. -0.04 min
Lab File: J10773.D
Acq: 26 Jun 2007 4:00 pm

Tgt Ion: 95 Resp: 36046

Ion	Ratio	Lower	Upper
95	100		
132	97.3	82.7	122.7
130	104.4	86.7	126.7
97	65.0	45.2	85.2

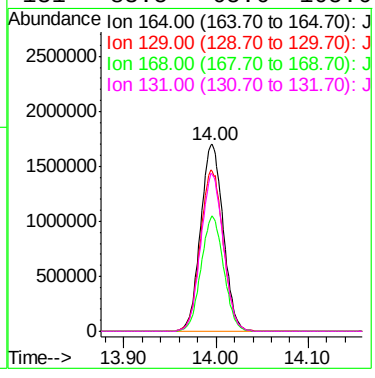




#51
TETRACHLOROETHYLENE
Concen: 62.01 PPBV
RT: 14.00 min Scan# 6442
Delta R.T. -0.02 min
Lab File: J10773.D
Acq: 26 Jun 2007 4:00 pm

Tgt Ion:164 Resp: 2902068

Ion	Ratio	Lower	Upper
164	100		
129	86.8	68.3	108.3
168	61.2	42.8	82.8
131	83.5	65.6	105.6



Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10775.D
Acq On : 26 Jun 2007 5:41 pm
Operator : danat
Sample : m65503-1 (M132)
Misc : MS13762, MSJ557,,,,,6000
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 26 18:09:46 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Jun 25 18:15:12 2007
Response via : Initial Calibration

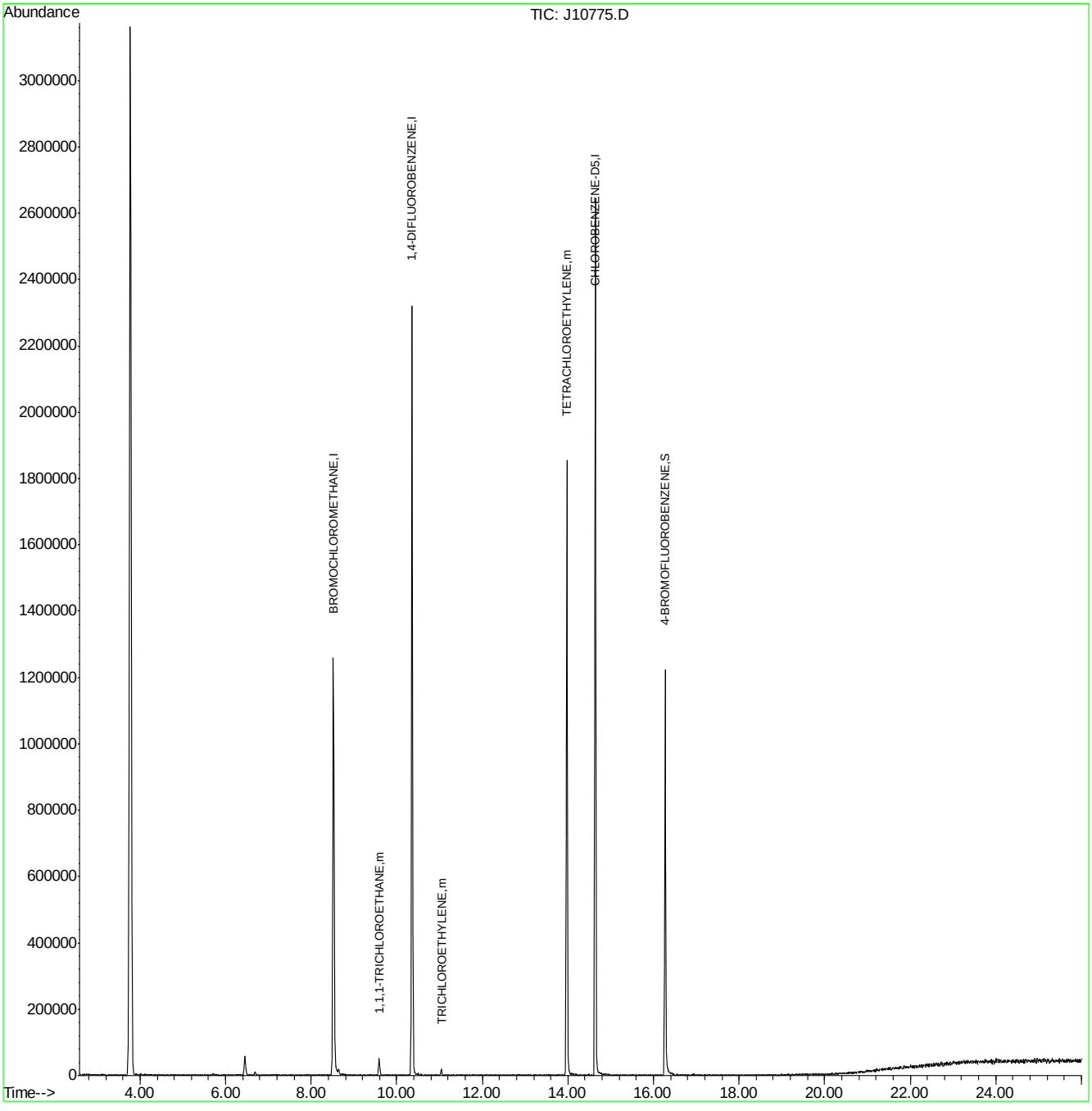
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.52	128	394104	10.00	PPBV	-0.10
35) 1,4-DIFLUOROBENZENE	10.35	114	1670253	10.00	PPBV	-0.09
49) CHLOROBENZENE-D5	14.64	117	1392098	10.00	PPBV	-0.04
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.27	95	333405	3.79	PPBV	-0.03
Spiked Amount 5.000	Range 51 - 142		Recovery = 75.80%			
Target Compounds						Qvalue
32) 1,1,1-TRICHLOROETHANE	9.59	97	32923	0.32	PPBV	97
38) TRICHLOROETHYLENE	11.04	95	5457	0.13	PPBV	97
51) TETRACHLOROETHYLENE	13.97	164	392788	8.52	PPBV	98

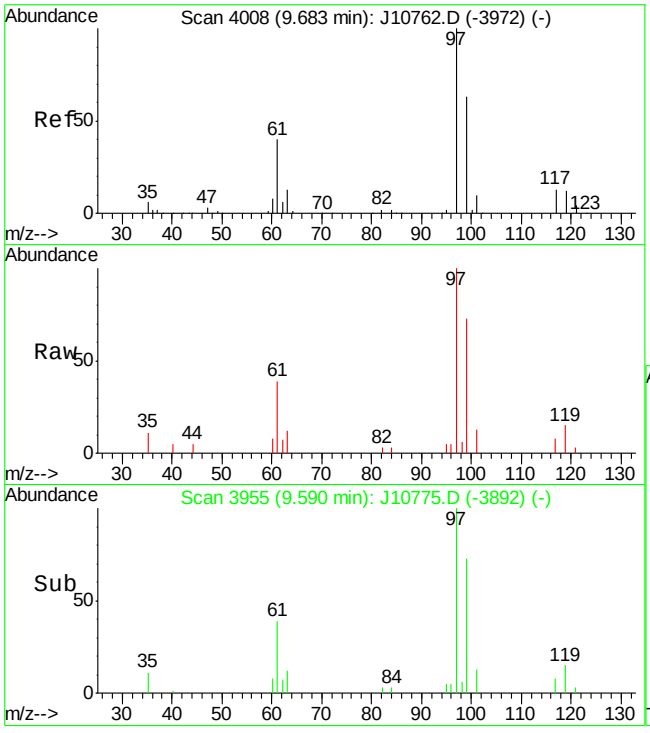
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10775.D
Acq On : 26 Jun 2007 5:41 pm
Operator : danat
Sample : m65503-1 (M132)
Misc : MS13762, MSJ557,,,,,6000
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 26 18:09:46 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Jun 25 18:15:12 2007
Response via : Initial Calibration

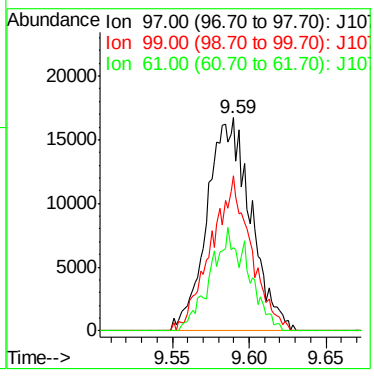


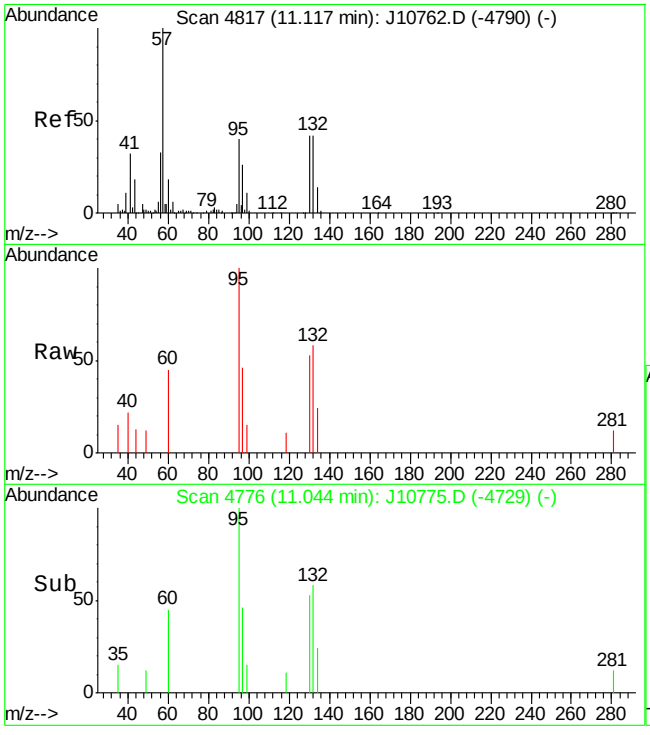


#32
1,1,1-TRICHLOROETHANE
Concen: 0.32 PPBV
RT: 9.59 min Scan# 3955
Delta R.T. -0.09 min
Lab File: J10775.D
Acq: 26 Jun 2007 5:41 pm

Tgt Ion: 97 Resp: 32923

Ion	Ratio	Lower	Upper
97	100		
99	66.5	44.1	84.1
61	42.1	21.0	61.0

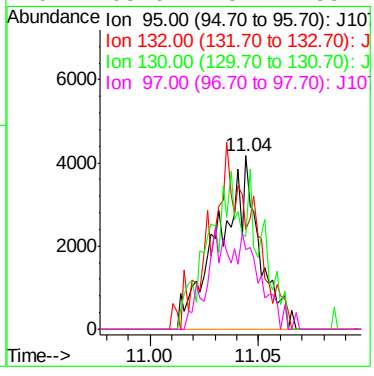


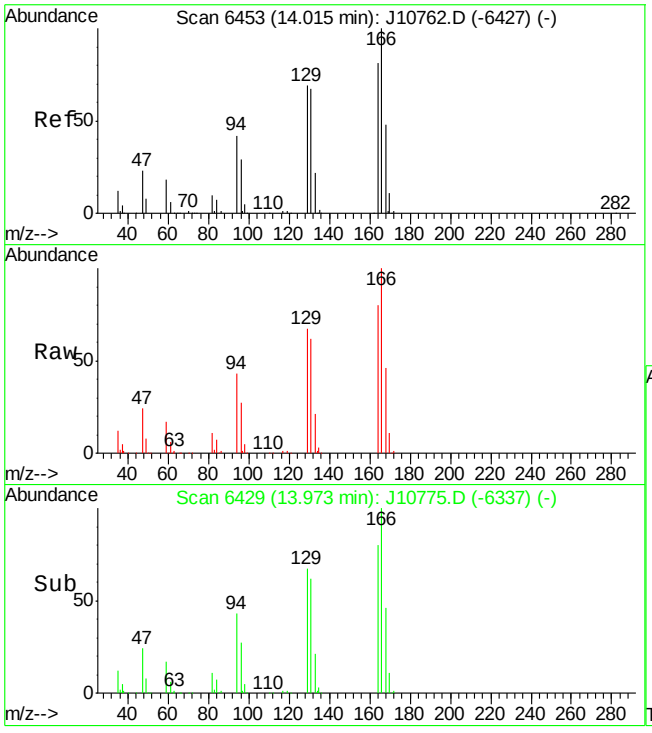


#38
TRICHLOROETHYLENE
Concen: 0.13 PPBV
RT: 11.04 min Scan# 4776
Delta R.T. -0.07 min
Lab File: J10775.D
Acq: 26 Jun 2007 5:41 pm

Tgt Ion: 95 Resp: 5457

Ion	Ratio	Lower	Upper
95	100		
132	110.8	82.7	122.7
130	106.0	86.7	126.7
97	65.0	45.2	85.2

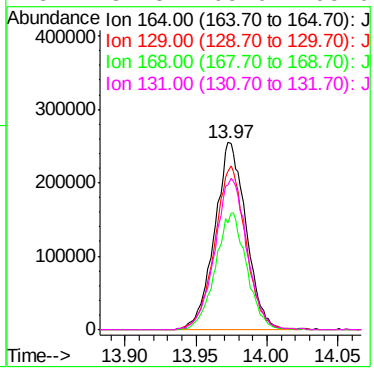




#51
TETRACHLOROETHYLENE
Concen: 8.52 PPBV
RT: 13.97 min Scan# 6429
Delta R.T. -0.04 min
Lab File: J10775.D
Acq: 26 Jun 2007 5:41 pm

Tgt Ion:164 Resp: 392788

Ion	Ratio	Lower	Upper
164	100		
129	86.9	68.3	108.3
168	62.1	42.8	82.8
131	82.5	65.6	105.6



Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10774.D
Acq On : 26 Jun 2007 4:58 pm
Operator : danat
Sample : m65503-2 (M160)
Misc : MS13762, MSJ557,,,,,1200
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 27 09:21:58 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Jun 25 18:15:12 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.56	128	369363	10.00	PPBV	-0.07
35) 1,4-DIFLUOROBENZENE	10.39	114	1435455	10.00	PPBV	-0.06
49) CHLOROBENZENE-D5	14.65	117	1250345	10.00	PPBV	-0.02

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.28	95	319512	4.05	PPBV	-0.02

Spiked Amount 5.000 Range 51 - 142 Recovery = 81.00%

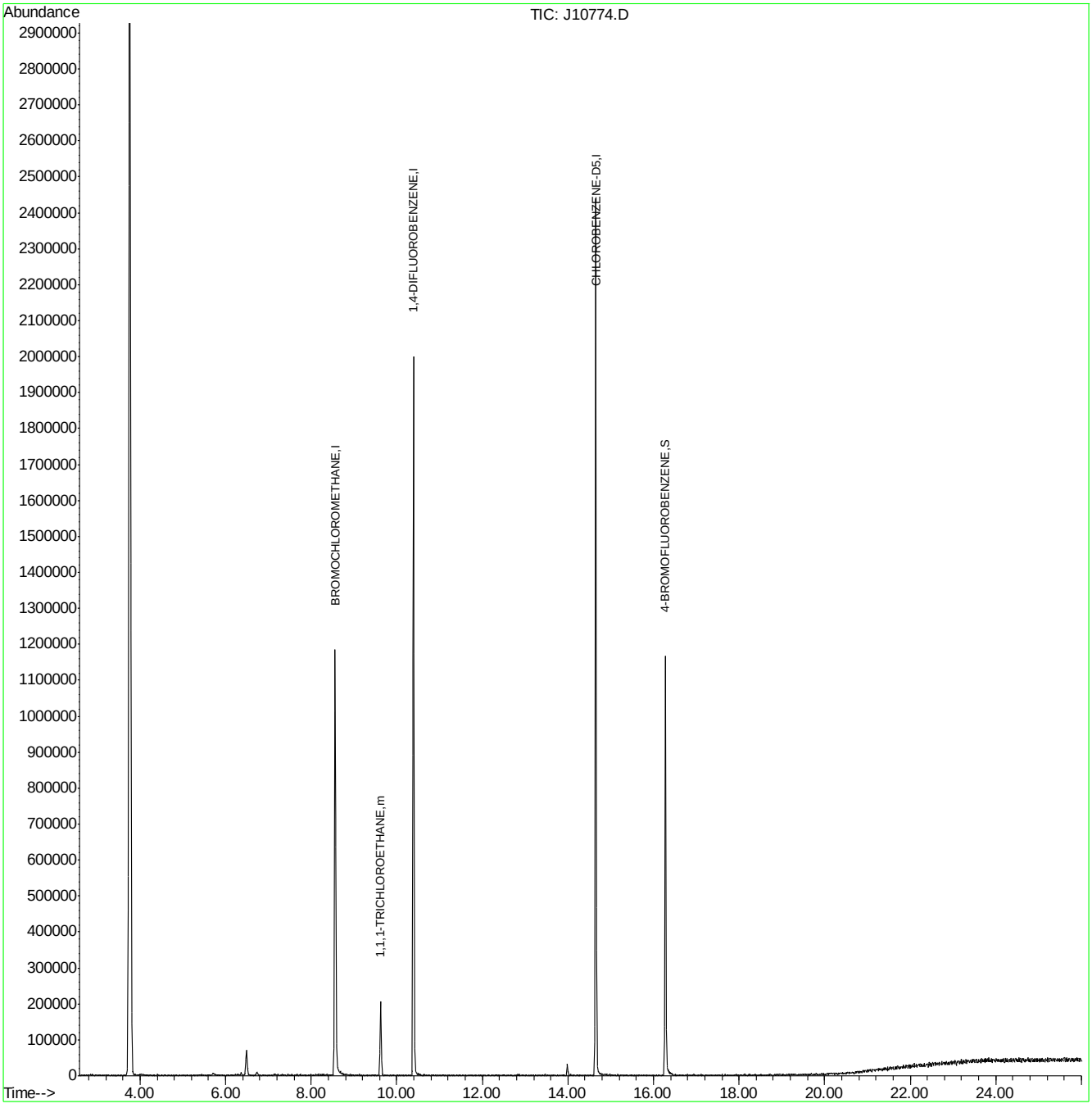
Target Compounds						Qvalue
32) 1,1,1-TRICHLOROETHANE	9.62	97	129335	1.34	PPBV	98

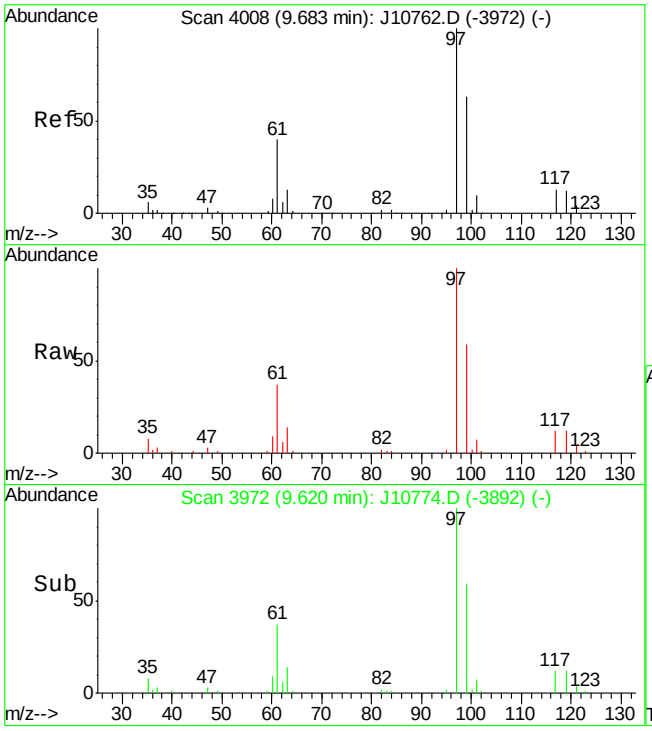
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10774.D
Acq On : 26 Jun 2007 4:58 pm
Operator : danat
Sample : m65503-2 (M160)
Misc : MS13762, MSJ557,,,,,1200
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 27 09:21:58 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Jun 25 18:15:12 2007
Response via : Initial Calibration

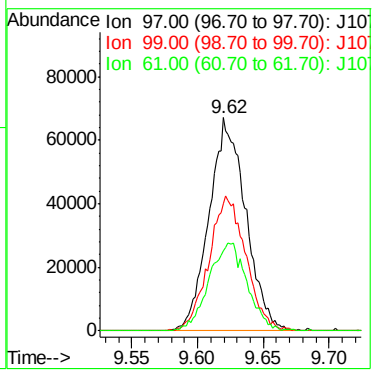




#32
1,1,1-TRICHLOROETHANE
Concen: 1.34 PPBV
RT: 9.62 min Scan# 3972
Delta R.T. -0.06 min
Lab File: J10774.D
Acq: 26 Jun 2007 4:58 pm

Tgt Ion: 97 Resp: 129335

Ion	Ratio	Lower	Upper
97	100		
99	63.7	44.1	84.1
61	43.1	21.0	61.0



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10776.D
Acq On : 26 Jun 2007 6:24 pm
Operator : danat
Sample : m65503-2 (M092)
Misc : MS13762, MSJ557,,,,,20
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 27 09:24:40 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Jun 25 18:15:12 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.51	128	407709	10.00	PPBV	-0.11
35) 1,4-DIFLUOROBENZENE	10.35	114	1683733	10.00	PPBV	-0.09
49) CHLOROBENZENE-D5	14.63	117	1496495	10.00	PPBV	-0.04

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.27	95	419734	4.44	PPBV	-0.03

Spiked Amount 5.000 Range 51 - 142 Recovery = 88.80%

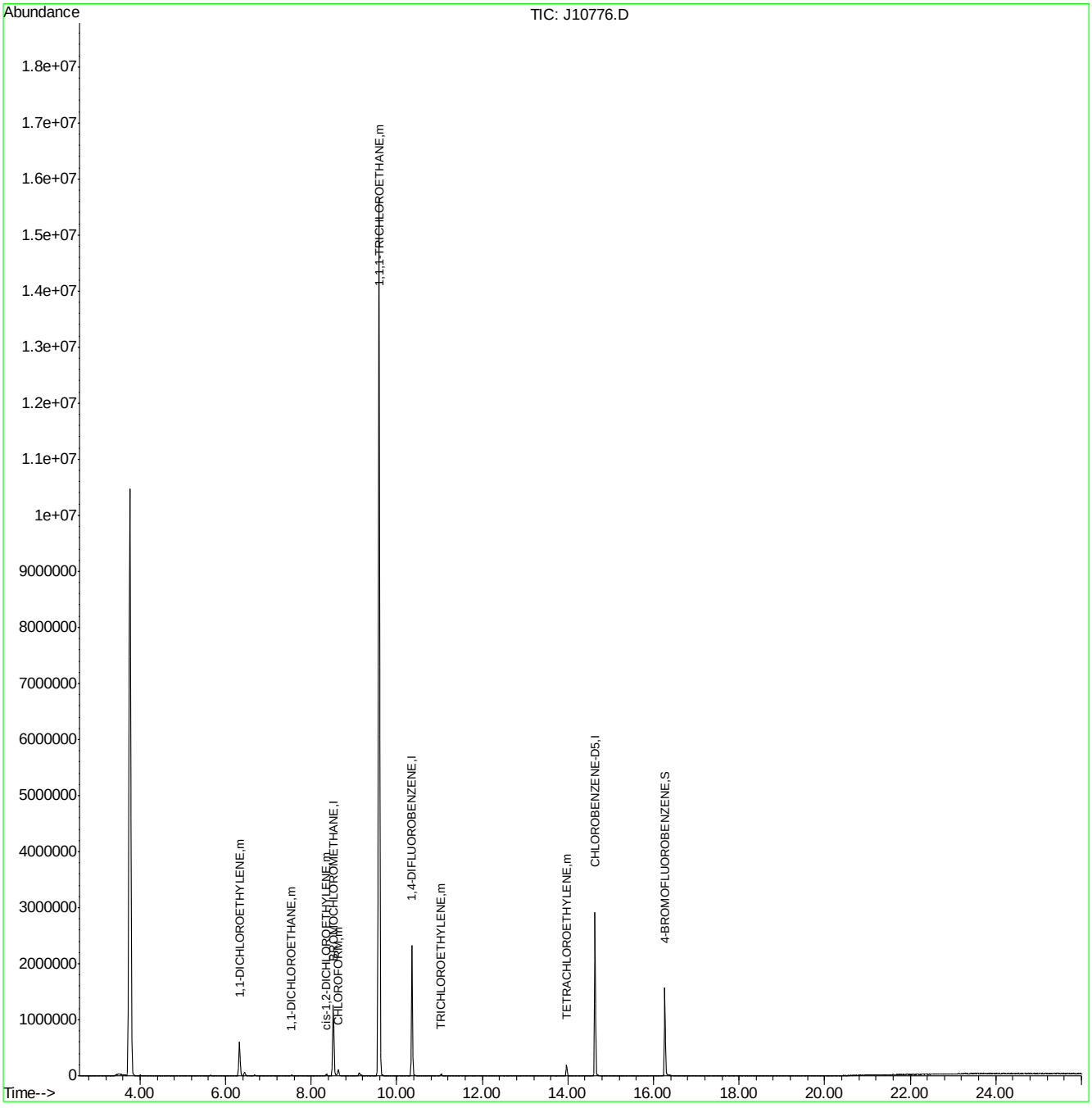
Target Compounds						Qvalue
14) 1,1-DICHLOROETHYLENE	6.32	96	254857	6.55	PPBV	97
27) 1,1-DICHLOROETHANE	7.54	63	11277	0.17	PPBV	89
29) cis-1,2-DICHLOROETHYLENE	8.34	96	13734	0.38	PPBV	97
31) CHLOROFORM	8.63	83	88223	0.96	PPBV	98
32) 1,1,1-TRICHLOROETHANE	9.58	97	10897387	102.27	PPBV	100
38) TRICHLOROETHYLENE	11.03	95	11259	0.26	PPBV	98
51) TETRACHLOROETHYLENE	13.97	164	42886	0.86	PPBV	97

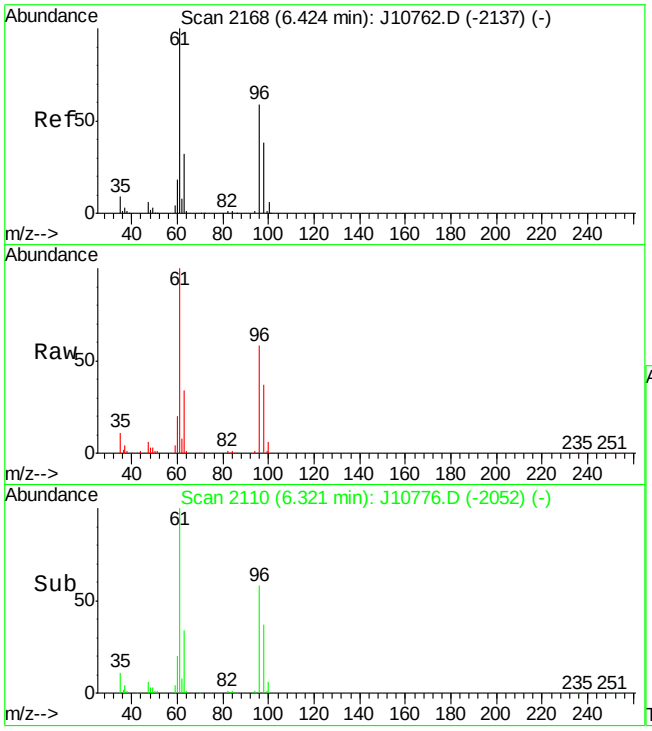
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10776.D
Acq On : 26 Jun 2007 6:24 pm
Operator : danat
Sample : m65503-2 (M092)
Misc : MS13762, MSJ557,,,,,20
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 27 09:24:40 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Jun 25 18:15:12 2007
Response via : Initial Calibration

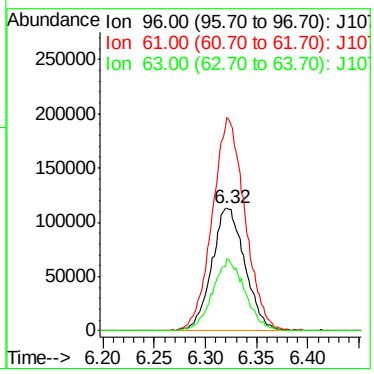


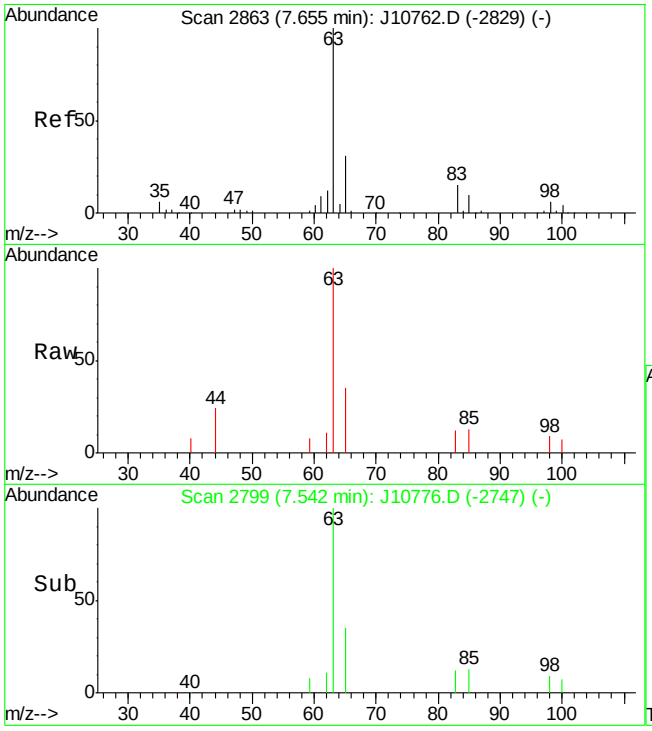


#14
1,1-DICHLOROETHYLENE
Concen: 6.55 PPBV
RT: 6.32 min Scan# 2110
Delta R.T. -0.10 min
Lab File: J10776.D
Acq: 26 Jun 2007 6:24 pm

Tgt Ion: 96 Resp: 254857

Ion	Ratio	Lower	Upper
96	100		
61	171.7	148.0	188.0
63	57.2	34.6	74.6

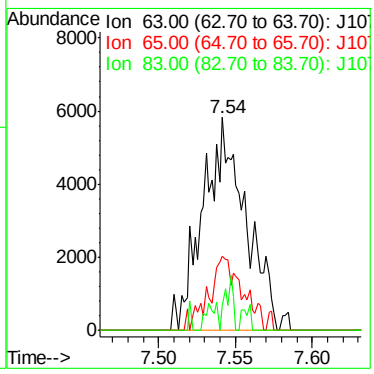


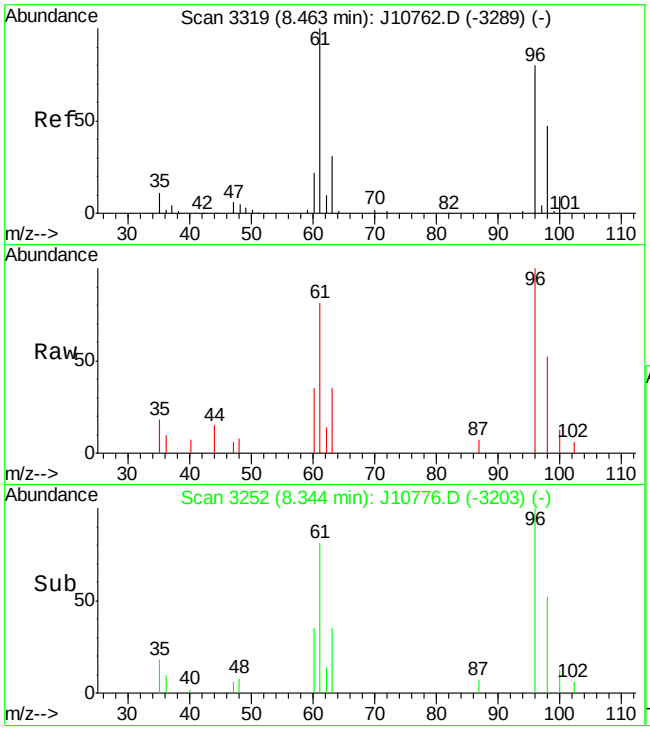


#27
1,1-DICHLOROETHANE
Concen: 0.17 PPBV
RT: 7.54 min Scan# 2799
Delta R.T. -0.11 min
Lab File: J10776.D
Acq: 26 Jun 2007 6:24 pm

Tgt Ion: 63 Resp: 11277

Ion	Ratio	Lower	Upper
63	100		
65	28.3	12.3	52.3
83	6.8	0.0	35.1

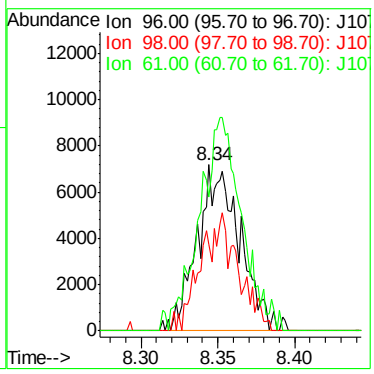


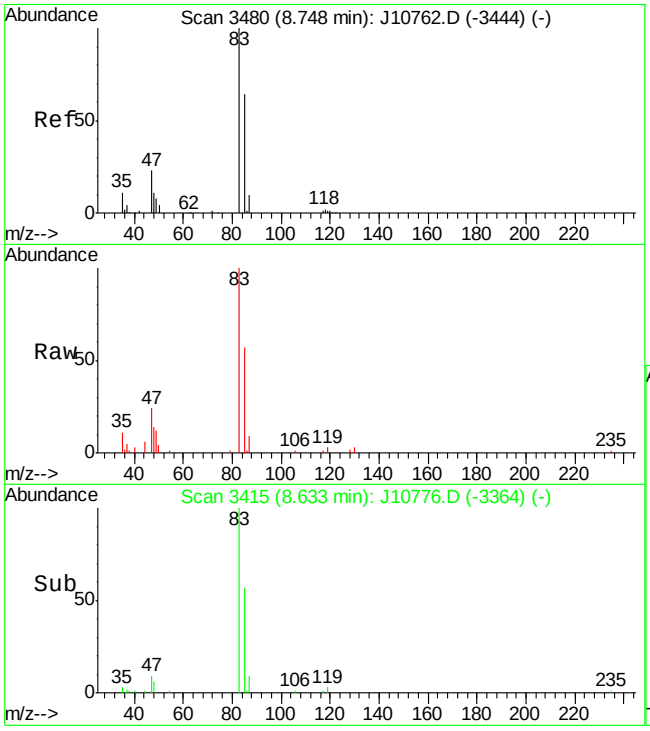


#29
cis-1,2-DICHLOROETHYLENE
Concen: 0.38 PPBV
RT: 8.34 min Scan# 3252
Delta R.T. -0.12 min
Lab File: J10776.D
Acq: 26 Jun 2007 6:24 pm

Tgt Ion: 96 Resp: 13734

Ion	Ratio	Lower	Upper
96	100		
98	62.3	44.9	84.9
61	129.0	105.5	145.5

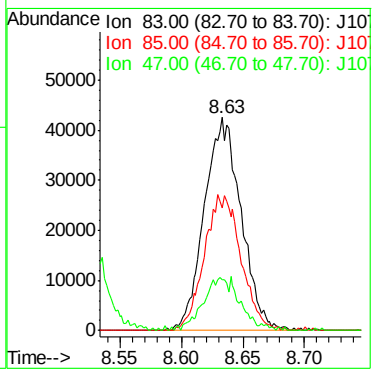


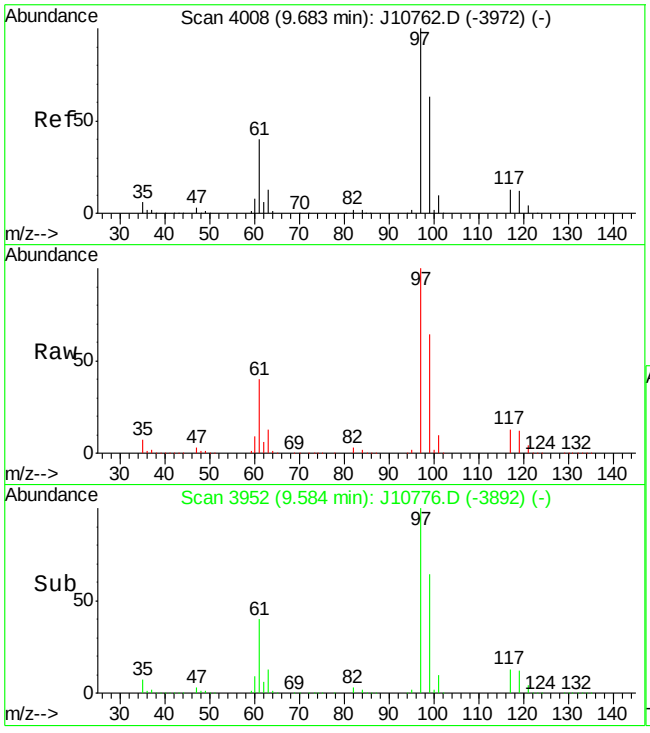


#31
CHLOROFORM
Concen: 0.96 PPBV
RT: 8.63 min Scan# 3415
Delta R.T. -0.12 min
Lab File: J10776.D
Acq: 26 Jun 2007 6:24 pm

Tgt Ion: 83 Resp: 88223

Ion	Ratio	Lower	Upper
83	100		
85	63.6	45.0	85.0
47	25.3	3.1	43.1

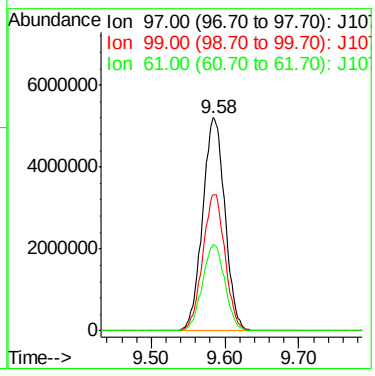


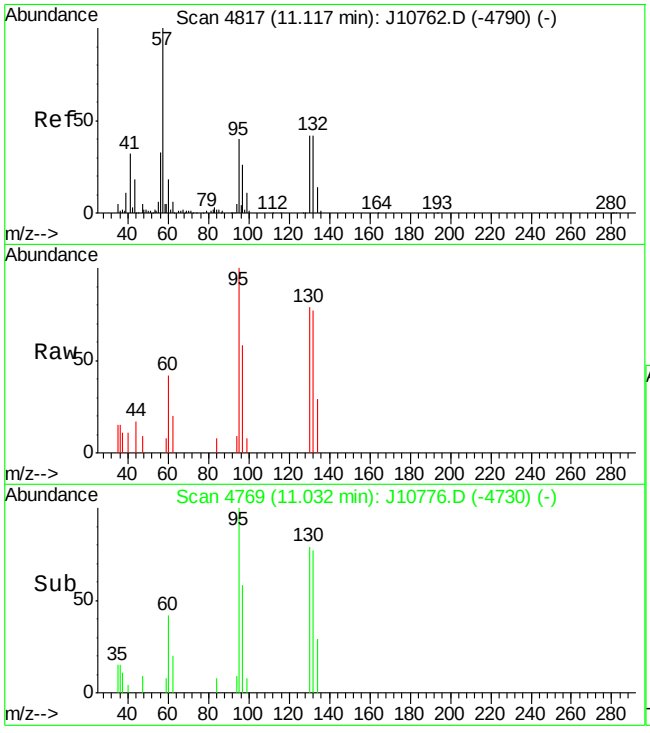


#32
1,1,1-TRICHLOROETHANE
Concen: 102.27 PPBV
RT: 9.58 min Scan# 3952
Delta R.T. -0.10 min
Lab File: J10776.D
Acq: 26 Jun 2007 6:24 pm

Tgt Ion: 97 Resp:10897387

Ion	Ratio	Lower	Upper
97	100		
99	64.1	44.1	84.1
61	40.9	21.0	61.0

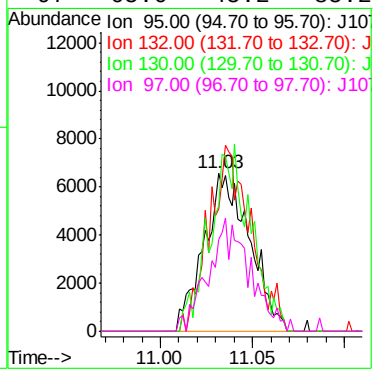


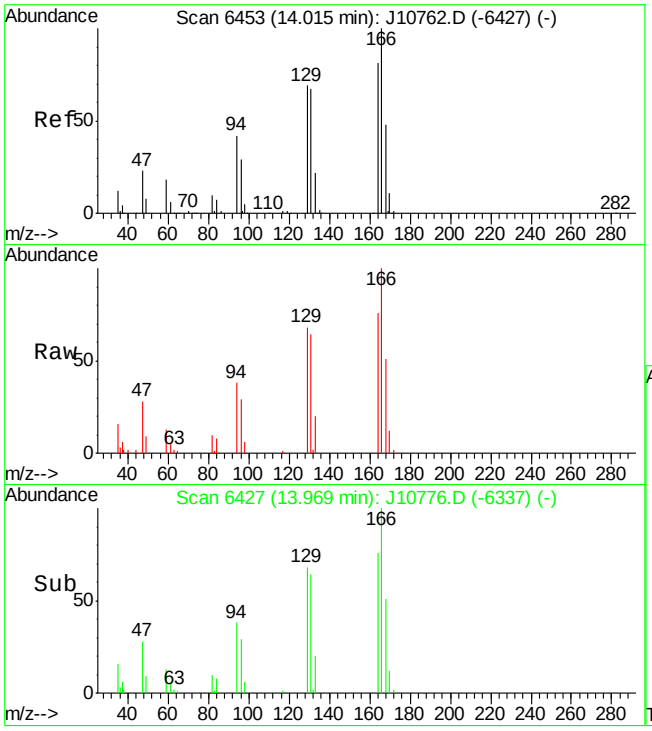


#38
TRICHLOROETHYLENE
Concen: 0.26 PPBV
RT: 11.03 min Scan# 4769
Delta R.T. -0.09 min
Lab File: J10776.D
Acq: 26 Jun 2007 6:24 pm

Tgt Ion: 95 Resp: 11259

Ion	Ratio	Lower	Upper
95	100		
132	106.0	82.7	122.7
130	104.1	86.7	126.7
97	65.0	45.2	85.2

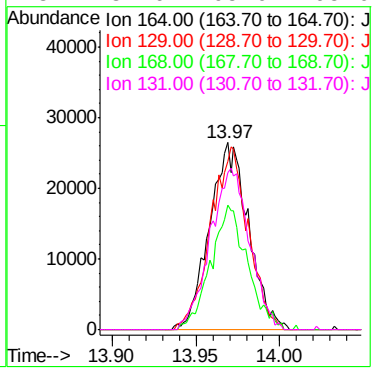




#51
TETRACHLOROETHYLENE
Concen: 0.86 PPBV
RT: 13.97 min Scan# 6427
Delta R.T. -0.05 min
Lab File: J10776.D
Acq: 26 Jun 2007 6:24 pm

Tgt Ion:164 Resp: 42886

Ion	Ratio	Lower	Upper
164	100		
129	94.1	68.3	108.3
168	62.1	42.8	82.8
131	87.0	65.6	105.6



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10769.D
Acq On : 26 Jun 2007 12:12 pm
Operator : danat
Sample : mb (M050)
Misc : MS13762, MSJ557,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 26 14:11:16 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Jun 25 18:15:12 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.59	128	401721	10.00	PPBV	-0.04
35) 1,4-DIFLUOROBENZENE	10.41	114	1634608	10.00	PPBV	-0.04
49) CHLOROBENZENE-D5	14.66	117	1502770	10.00	PPBV	-0.02

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.28	95	446330	4.70	PPBV	-0.02

Spiked Amount 5.000 Range 51 - 142 Recovery = 94.00%

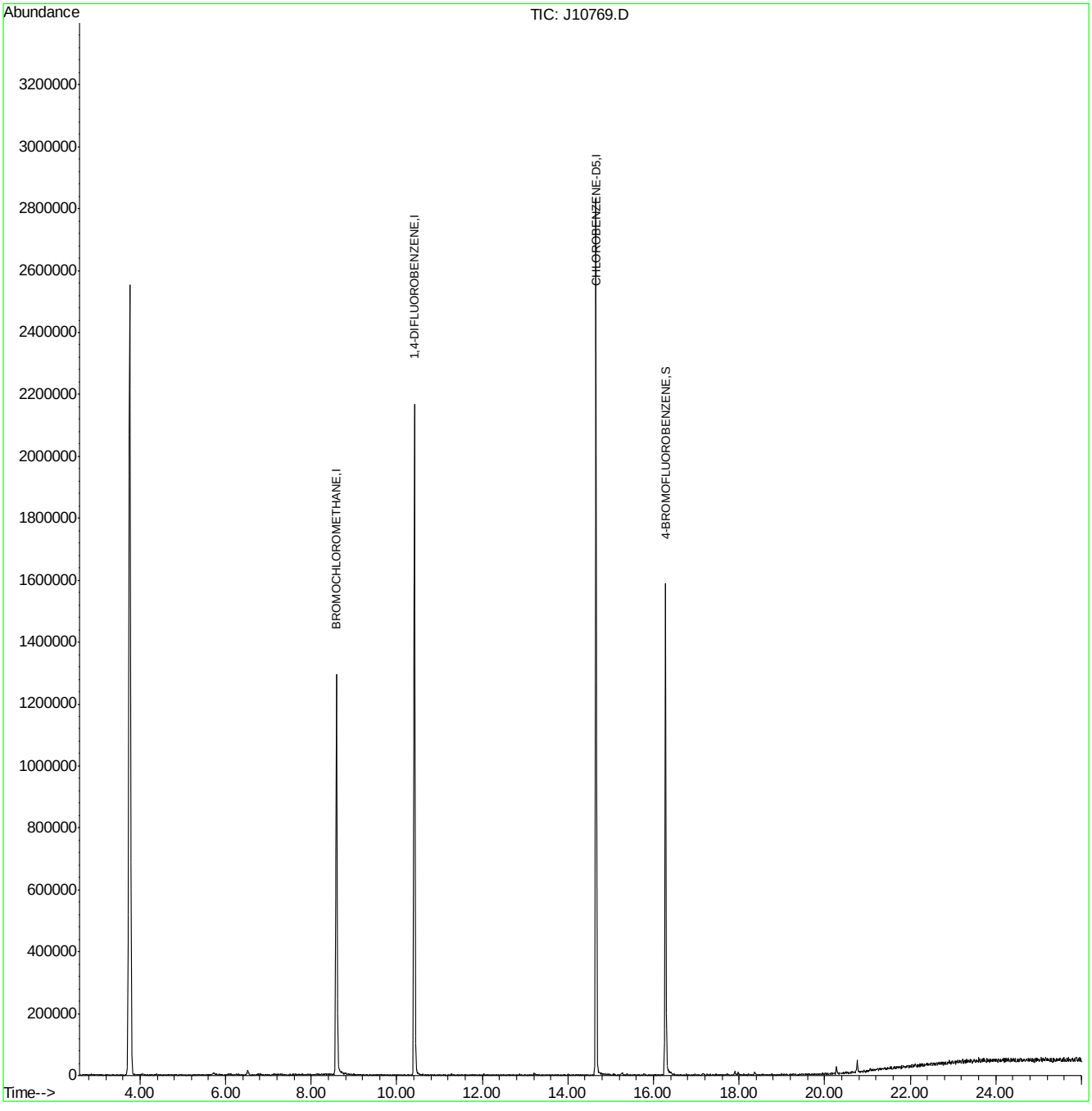
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10769.D
Acq On : 26 Jun 2007 12:12 pm
Operator : danat
Sample : mb (M050)
Misc : MS13762, MSJ557,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 26 14:11:16 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Jun 25 18:15:12 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3492.D
Acq On : 22 May 2007 6:42 pm
Operator : PhilipB
Sample : MB (M135)
Misc : MS13602,MSQ190,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 23 09:44:18 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:36:34 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.431	128	86791	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.348	114	366940	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.694	117	314711	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.336	95	110329	4.57	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 91.40%

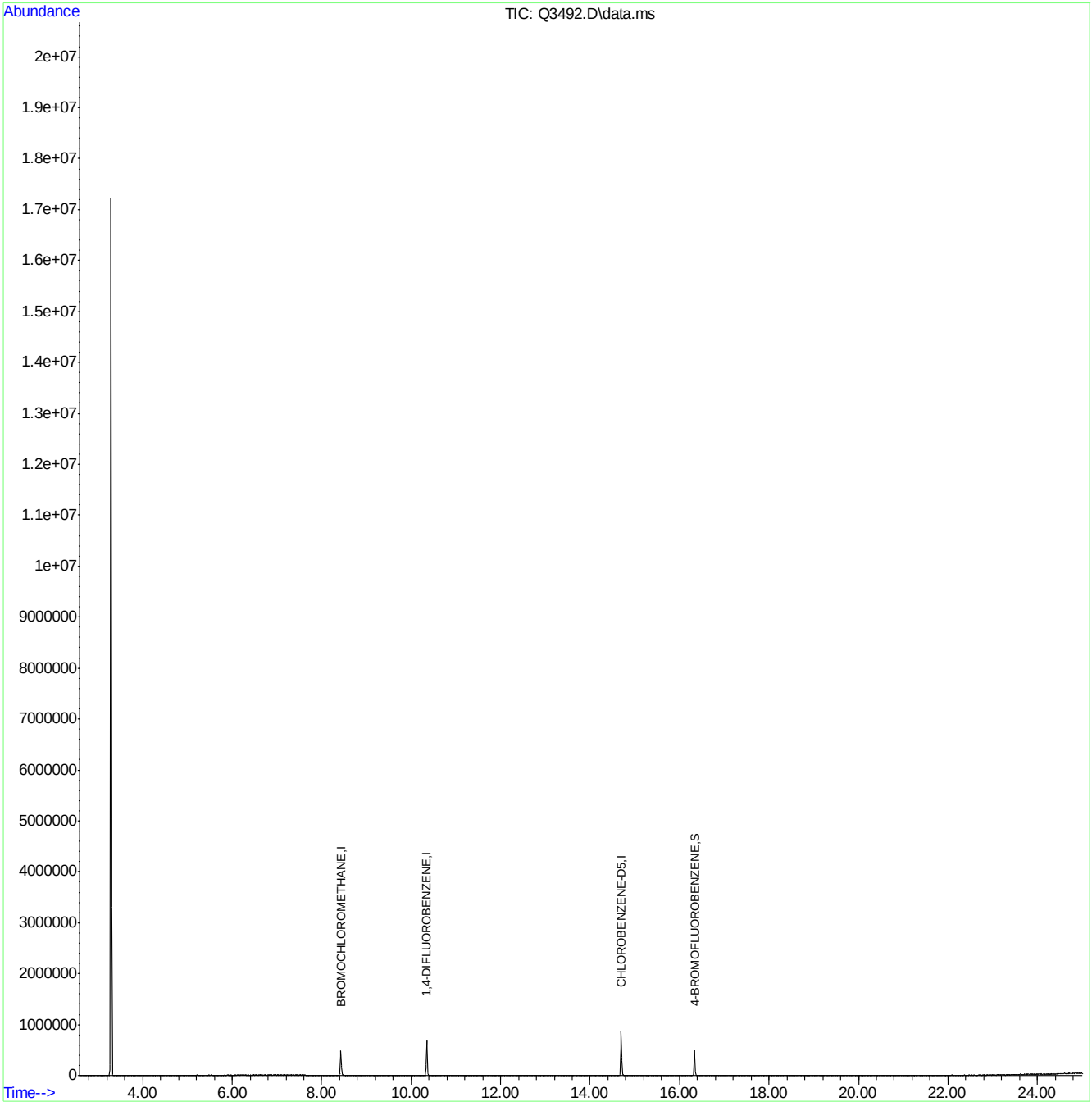
Target Compounds	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3492.D
Acq On : 22 May 2007 6:42 pm
Operator : PhilipB
Sample : MB (M135)
Misc : MS13602,MSQ190,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 23 09:44:18 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:36:34 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3591.D
Acq On : 1 Jun 2007 4:45 pm
Operator : PhilipB
Sample : MB (M120)
Misc : MS13676, MSQ195,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 01 17:14:44 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 31 09:26:17 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.429	128	28317	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.344	114	132417	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.698	117	111192	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.334	95	62208	4.78	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 95.60%

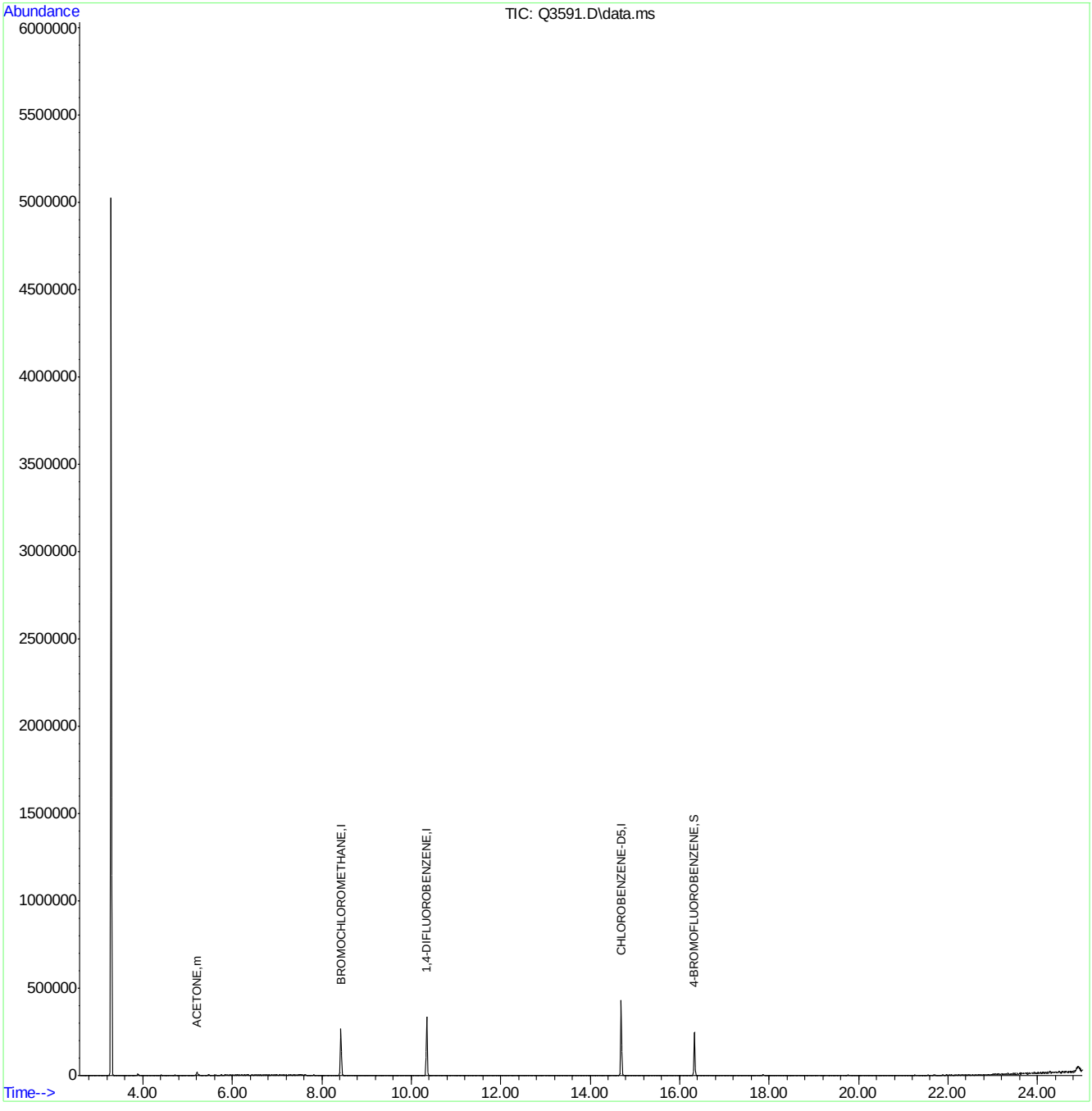
Target Compounds						Qvalue
12) ACETONE	5.213	43	22974	1.44	PPBV	88

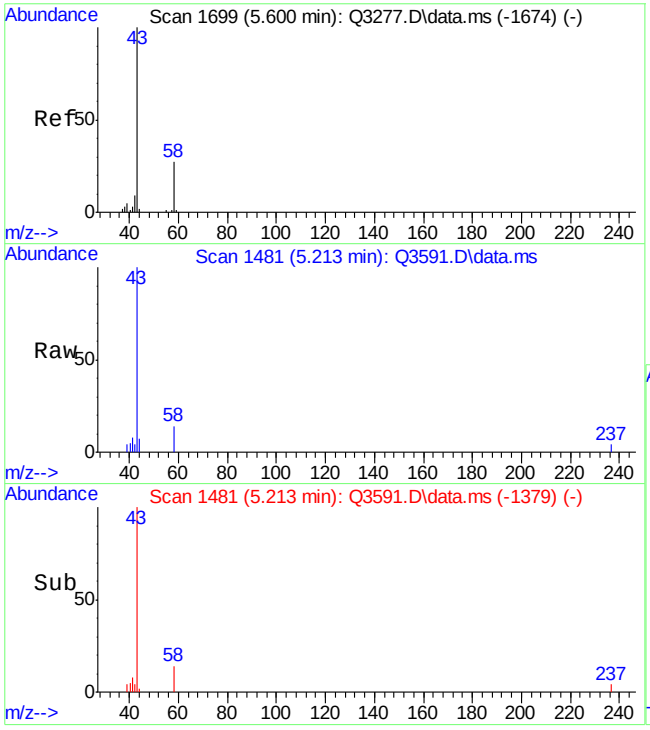
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3591.D
Acq On : 1 Jun 2007 4:45 pm
Operator : PhilipB
Sample : MB (M120)
Misc : MS13676, MSQ195,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 01 17:14:44 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 31 09:26:17 2007
Response via : Initial Calibration

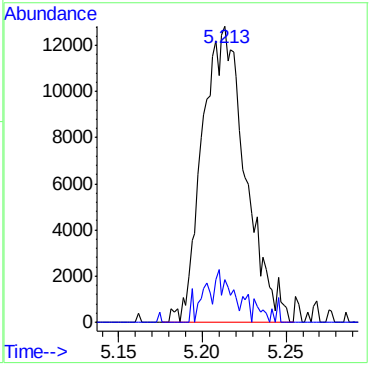




#12
ACETONE
Concen: 1.44 PPBV
RT: 5.213 min Scan# 1481
Delta R.T. 0.025 min
Lab File: Q3591.D
Acq: 1 Jun 2007 4:45 pm

Tgt Ion: 43 Resp: 22974

Ion	Ratio	Lower	Upper
43	100		
58	11.5	0.0	20.3



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10633.D
Acq On : 13 Jun 2007 12:39 pm
Operator : danat
Sample : mb (m007)
Misc : MS13724, MSJ551,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 15 14:54:15 2007
Quant Method : C:\MSDCHEM\1\METHODS\J060707T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jun 12 11:28:25 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.63	128	378944	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.44	114	1502781	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.66	117	1333451	10.00	PPBV	-0.01

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.28	95	367316	4.54	PPBV	-0.02

Spiked Amount 5.000 Range 51 - 142 Recovery = 90.80%

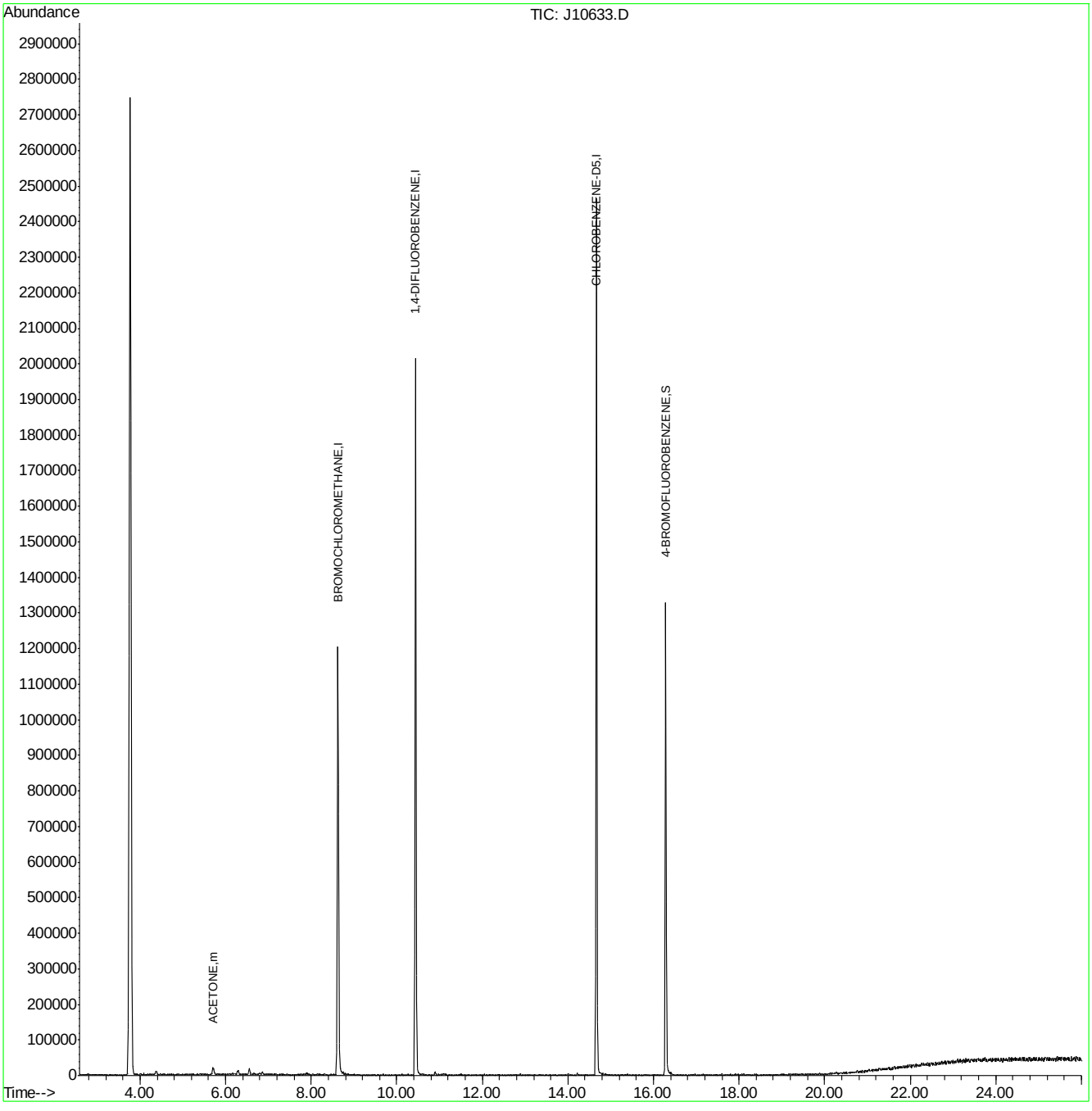
Target Compounds						Qvalue
12) ACETONE	5.70	43	30242	0.59	PPBV	89

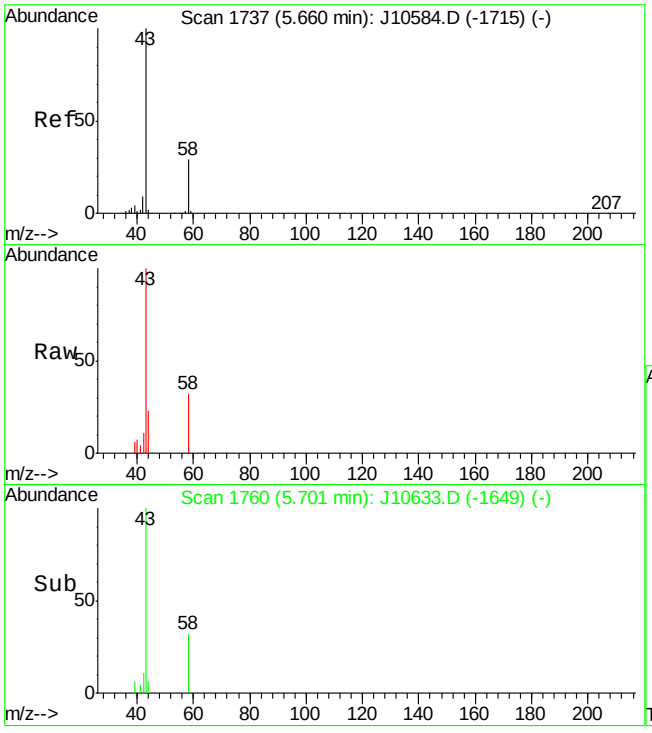
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10633.D
Acq On : 13 Jun 2007 12:39 pm
Operator : danat
Sample : mb (m007)
Misc : MS13724, MSJ551,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 15 14:54:15 2007
Quant Method : C:\MSDCHEM\1\METHODS\J060707T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jun 12 11:28:25 2007
Response via : Initial Calibration

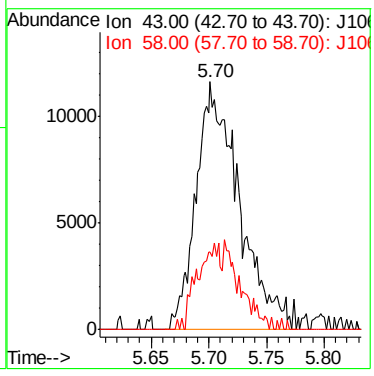




#12
ACETONE
Concen: 0.59 PPBV
RT: 5.70 min Scan# 1760
Delta R.T. 0.04 min
Lab File: J10633.D
Acq: 13 Jun 2007 12:39 pm

Tgt Ion: 43 Resp: 30242

Ion	Ratio	Lower	Upper
43	100		
58	33.2	7.7	47.7



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10768b.D
Acq On : 26 Jun 2007 11:20 am
Operator : danat
Sample : bs (M080)
Misc : MS13762, MSJ557,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 26 11:51:48 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Jun 25 18:16:44 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.63	128	405778	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.45	114	1774169	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.68	117	1608427	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.30	95	541254	5.33	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 106.60%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.07	85	1522377	10.54	PPBV	100
3) PROPYLENE	4.00	41	243219	11.44	PPBV	97
4) FREON 114	4.33	85	1185220	9.42	PPBV	99
5) CHLOROMETHANE	4.24	50	311223	9.95	PPBV	97
6) VINYL CHLORIDE	4.46	62	351902	9.81	PPBV	100
7) 1,3-BUTADIENE	4.59	39	261957	10.32	PPBV	94
8) BROMOMETHANE	4.86	94	401363	9.86	PPBV	99
9) CHLOROETHANE	5.04	64	162806	9.80	PPBV	99
10) TRICHLOROFLUOROMETHANE	5.80	101	1451070	9.56	PPBV	100
11) ISOPROPYL ALCOHOL	5.98	45	415024	9.02	PPBV	99
12) ACETONE	5.67	43	413182	8.82	PPBV	97
13) PENTANE	6.14	42	308718	10.10	PPBV	99
14) 1,1-DICHLOROETHYLENE	6.43	96	366272	9.46	PPBV	96
15) CARBON DISULFIDE	6.86	76	1095507	9.33	PPBV	99
16) ETHANOL	5.24	45	69861	9.66	PPBV #	63
17) BROMOETHENE	5.39	106	388340	9.89	PPBV	99
18) METHYLENE CHLORIDE	6.56	84	332134	8.51	PPBV	97
19) 3-CHLOROPROPENE	6.67	39	295219	9.65	PPBV	96
20) FREON 113	6.80	151	829450	8.73	PPBV	99
21) TRANS-1,2-DICHLOROETHYLENE	7.46	96	355774	9.51	PPBV	96
22) TERTIARY BUTYL ALCOHOL	6.58	59	573470	11.34	PPBV	95
23) METHYL TERTIARY BUTYL ETHE	7.75	73	752569	9.72	PPBV	98
24) TETRAHYDROFURAN	9.19	42	230424	9.80	PPBV	96
25) HEXANE	8.64	57	388541	8.26	PPBV	97
26) VINYL ACETATE	7.81	43	444920	8.62	PPBV	97
27) 1,1-DICHLOROETHANE	7.66	63	607417	9.30	PPBV	99
28) METHYL ETHYL KETONE	8.08	43	459121	9.34	PPBV	94
29) cis-1,2-DICHLOROETHYLENE	8.47	96	333938	9.37	PPBV	98
30) ETHYL ACETATE	8.70	43	483427	9.52	PPBV	96
31) CHLOROFORM	8.75	83	848036	9.26	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.69	97	1000451	9.43	PPBV	99
33) CARBON TETRACHLORIDE	10.26	117	1328522	10.12	PPBV	100
34) 1,2-DICHLOROETHANE	9.46	62	503150	9.53	PPBV	99
36) BENZENE	10.13	78	826238	9.95	PPBV	99
37) CYCLOHEXANE	10.37	84	430955	10.71	PPBV	99
38) TRICHLOROETHYLENE	11.12	95	480147	10.46	PPBV	99
39) 1,2-DICHLOROPROPANE	10.91	63	282235	10.04	PPBV	98
40) BROMODICHLOROMETHANE	11.10	83	800209	9.69	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.12	57	1446517	11.52	PPBV	99
42) 1,4-DIOXANE	11.19	88	154868	10.03	PPBV	94
43) HEPTANE	11.36	43	449238	11.33	PPBV	99

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10768b.D
Acq On : 26 Jun 2007 11:20 am
Operator : danat
Sample : bs (M080)
Misc : MS13762, MSJ557,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 26 11:51:48 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Jun 25 18:16:44 2007
Response via : Initial Calibration

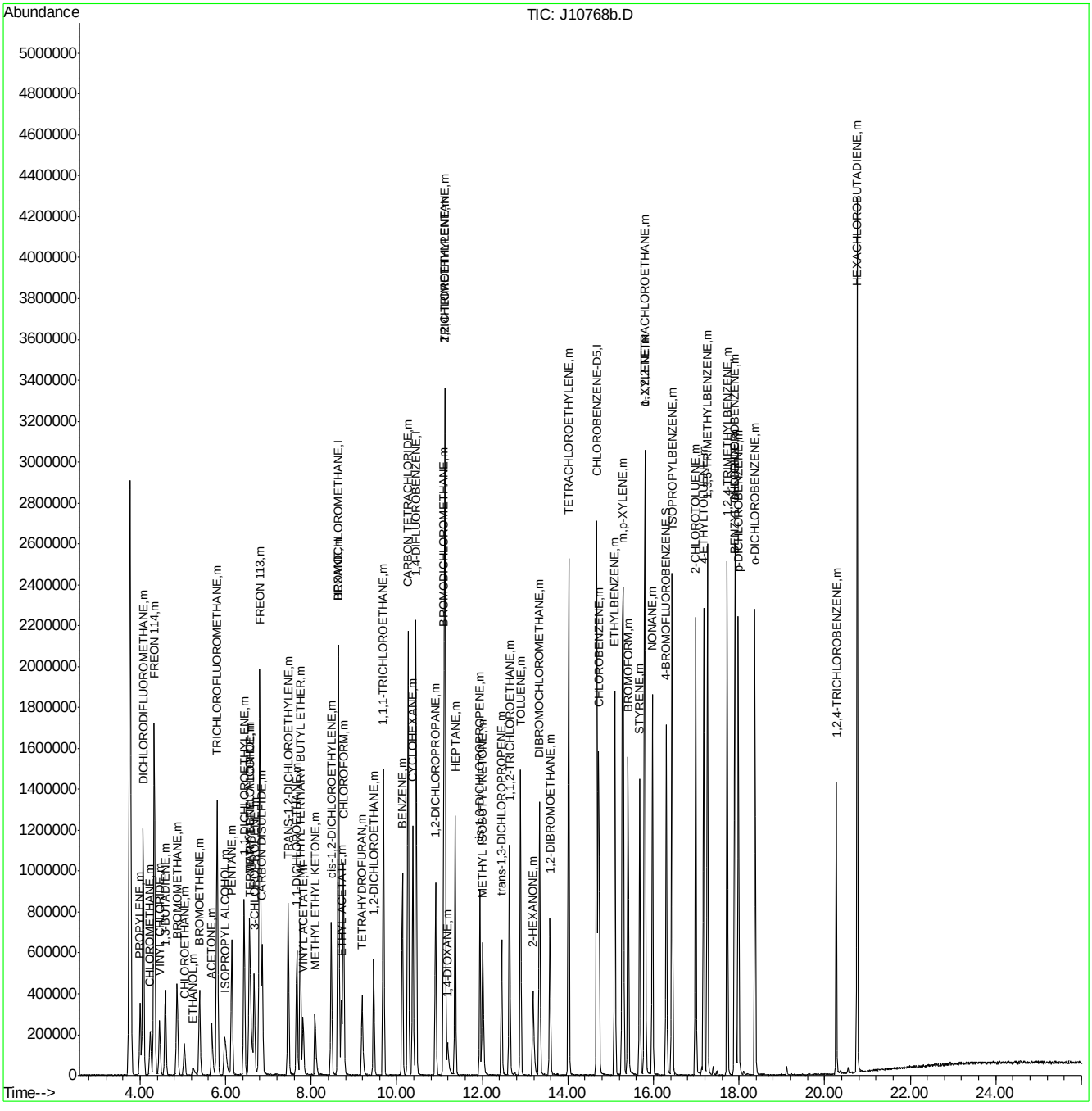
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.01	43	525462	10.45	PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.94	75	449981	9.40	PPBV	98
46) TOLUENE	12.89	92	607046	11.02	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.45	75	363600	8.70	PPBV	98
48) 1,1,2-TRICHLOROETHANE	12.63	83	311357	10.26	PPBV	100
50) 2-HEXANONE	13.18	43	414964	10.71	PPBV	98
51) TETRACHLOROETHYLENE	14.01	164	566785	10.63	PPBV	99
52) DIBROMOCHLOROMETHANE	13.33	129	821977	10.32	PPBV	99
53) 1,2-DIBROMOETHANE	13.58	107	567087	10.73	PPBV	100
54) CHLOROBENZENE	14.72	112	903059	10.67	PPBV	99
55) ETHYLBENZENE	15.09	91	1383062	9.77	PPBV	99
56) m,p-XYLENE	15.29	106	1169778	19.85	PPBV	100
57) o-XYLENE	15.79	106	586073	9.86	PPBV	96
58) STYRENE	15.68	104	745560	9.22	PPBV	100
59) NONANE	15.97	43	633071	10.45	PPBV	99
60) BROMOFORM	15.41	173	849663	11.05	PPBV	100
62) 1,1,2,2-TETRACHLOROETHANE	15.80	83	805776	11.83	PPBV	99
63) ISOPROPYLBENZENE	16.43	105	1742787	10.23	PPBV	99
64) 2-CHLOROTOLUENE	16.99	91	1212518	10.23	PPBV	99
65) 4-ETHYLTOLUENE	17.17	105	1406510	9.08	PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.26	105	1418178	9.99	PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.72	105	1305298	9.95	PPBV	99
68) m-DICHLOROBENZENE	17.91	146	968226	10.22	PPBV	100
69) BENZYL CHLORIDE	17.89	91	741920	10.06	PPBV	100
70) p-DICHLOROBENZENE	17.99	146	905666	10.08	PPBV	99
71) o-DICHLOROBENZENE	18.37	146	889468	10.66	PPBV	99
72) HEXACHLOROBUTADIENE	20.76	225	713152	14.41	PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.27	180	368773	11.59	PPBV	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10768b.D
Acq On : 26 Jun 2007 11:20 am
Operator : danat
Sample : bs (M080)
Misc : MS13762, MSJ557,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 26 11:51:48 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Jun 25 18:16:44 2007
Response via : Initial Calibration



Manual Integrations
APPROVED
(compounds with "m" flag)
Doug Yargeau
05/23/07 16:07

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3491A.D
Acq On : 22 May 2007 6:00 pm
Operator : PhilipB
Sample : BS (M068)
Misc : MS13602,MSQ190,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 23 09:43:34 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:36:34 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.431	128	94194	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.351	114	448405	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.698	117	370957	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.334	95	146539	5.14	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 102.80%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	3.607	85	547075	6.84	PPBV	81
3) PROPYLENE	3.533	41	88727m	7.13	PPBV	
4) FREON 114	3.870	85	549839	7.62	PPBV #	100
5) CHLOROMETHANE	3.772	50	124770	7.07	PPBV	91
6) VINYL CHLORIDE	3.994	62	137624	7.80	PPBV	74
7) 1,3-BUTADIENE	4.132	39	155426	7.95	PPBV #	100
8) BROMOMETHANE	4.411	94	169491	7.80	PPBV #	100
9) CHLOROETHANE	4.583	64	67024	7.36	PPBV #	100
10) TRICHLOROFLUOROMETHANE	5.403	101	1027760	8.67	PPBV #	100
11) ISOPROPYL ALCOHOL	5.456	45	314817	9.26	PPBV	88
12) ACETONE	5.199	43	362116	9.06	PPBV	80
13) PENTANE	5.778	42	194877	9.80	PPBV #	100
14) 1,1-DICHLOROETHYLENE	6.081	96	232777	9.33	PPBV #	19
15) CARBON DISULFIDE	6.532	76	582040	9.08	PPBV #	51
16) ETHANOL	4.684	45	44429m	8.47	PPBV	
17) BROMOETHENE	4.954	106	190413	8.31	PPBV #	100
18) METHYLENE CHLORIDE	6.202	84	221262	9.56	PPBV #	1
19) 3-CHLOROPROPENE	6.330	39	277543	8.26	PPBV #	1
20) FREON 113	6.480	151	688722	8.67	PPBV #	100
21) TRANS-1,2-DICHLOROETHY...	7.190	96	217665	8.73	PPBV #	100
22) TERTIARY BUTYL ALCOHOL	6.097	59	418009	8.89	PPBV #	100
23) METHYL TERTIARY BUTYL ...	7.457	73	494550	8.90	PPBV #	100
24) TETRAHYDROFURAN	8.965	42	129842	9.05	PPBV #	100
25) HEXANE	8.468	57	163375	8.90	PPBV #	100
26) VINYL ACETATE	7.544	43	505581	8.80	PPBV	84
27) 1,1-DICHLOROETHANE	7.403	63	404745	8.96	PPBV #	100
28) METHYL ETHYL KETONE	7.799	43	290318	9.04	PPBV	92
29) cis-1,2-DICHLOROETHYLENE	8.259	96	116604	8.64	PPBV #	100
30) ETHYL ACETATE	8.468	43	490869	9.15	PPBV	100
31) CHLOROFORM	8.559	83	387034	8.83	PPBV #	100
32) 1,1,1-TRICHLOROETHANE	9.558	97	427434	8.31	PPBV	95
33) CARBON TETRACHLORIDE	10.167	117	534229	9.04	PPBV	96
34) 1,2-DICHLOROETHANE	9.304	62	261409	8.75	PPBV	99
36) BENZENE	10.018	78	327136	8.12	PPBV	99
37) CYCLOHEXANE	10.294	84	118986	8.31	PPBV #	79
38) TRICHLOROETHYLENE	11.052	95	225258	9.28	PPBV	89
39) 1,2-DICHLOROPROPANE	10.823	63	125308	9.36	PPBV #	78
40) BROMODICHLOROMETHANE	11.013	83	397182	8.65	PPBV	97
41) 2,2,4-TRIMETHYLPENTANE	11.079	57	588170	9.28	PPBV #	93
42) 1,4-DIOXANE	11.045	88	64567	9.43	PPBV #	60
43) HEPTANE	11.329	43	217327	8.89	PPBV	92

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3491A.D
Acq On : 22 May 2007 6:00 pm
Operator : PhilipB
Sample : BS (M068)
Misc : MS13602,MSQ190,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 23 09:43:34 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:36:34 2007
Response via : Initial Calibration

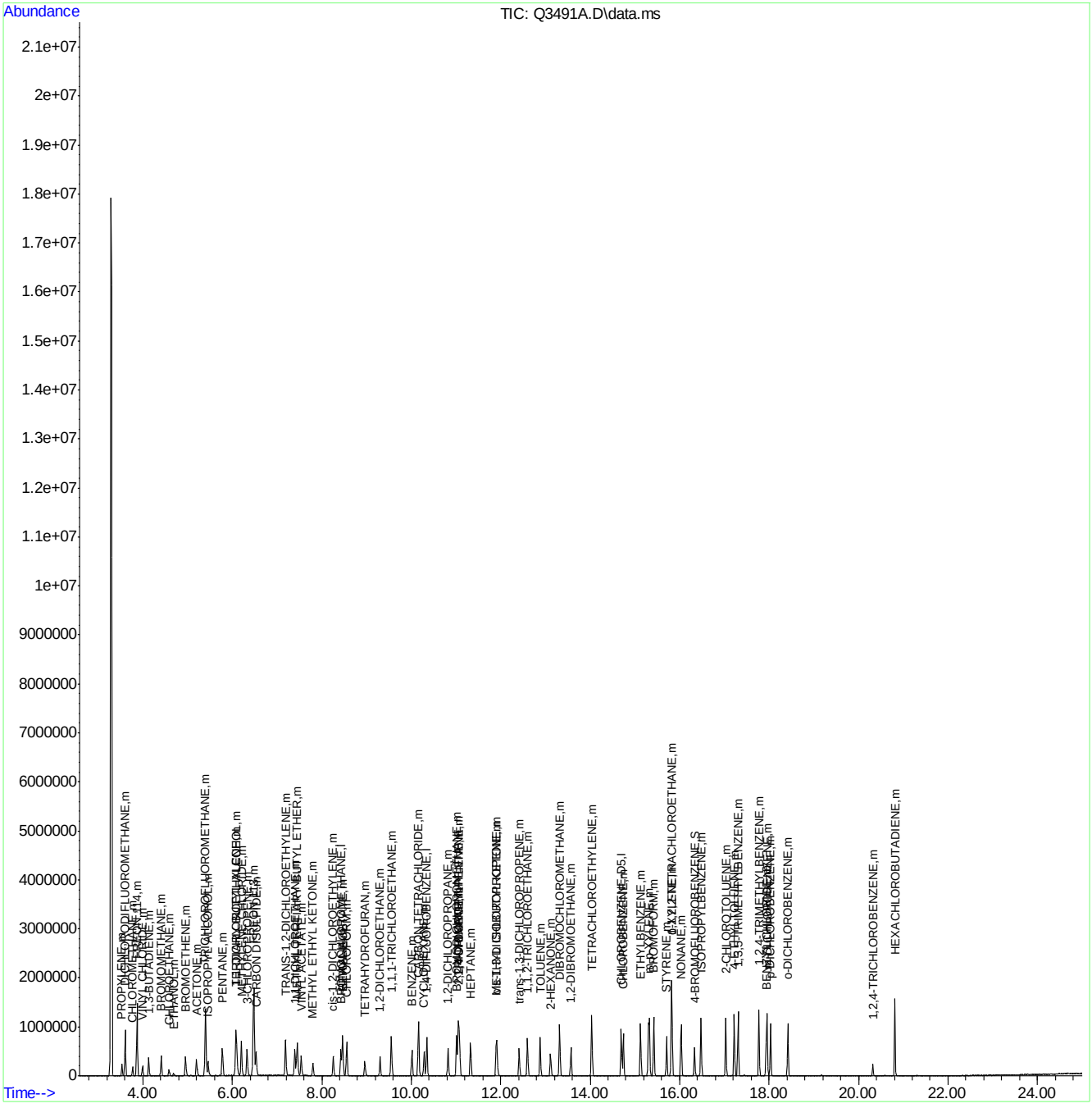
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.917	43	349507	9.39	PPBV	93
45) cis-1,3-DICHLOROPROPENE	11.901	75	198824	8.74	PPBV	87
46) TOLUENE	12.884	92	249980	10.55	PPBV	96
47) trans-1,3-DICHLOROPROPENE	12.417	75	192685	8.68	PPBV #	98
48) 1,1,2-TRICHLOROETHANE	12.602	83	153724	9.37	PPBV	91
50) 2-HEXANONE	13.113	43	285763	8.73	PPBV	93
51) TETRACHLOROETHYLENE	14.034	164	172169	8.78	PPBV	94
52) DIBROMOCHLOROMETHANE	13.320	129	424539	9.57	PPBV	99
53) 1,2-DIBROMOETHANE	13.572	107	279300	8.43	PPBV	96
54) CHLOROBENZENE	14.742	112	339333	8.53	PPBV	97
55) ETHYLBENZENE	15.125	91	606977	9.54	PPBV	96
56) m,p-XYLENE	15.328	106	457041m	17.89	PPBV	
57) o-XYLENE	15.828	106	231318	8.77	PPBV	90
58) STYRENE	15.708	104	288308	9.20	PPBV	95
59) NONANE	16.036	43	362414	9.26	PPBV	93
60) BROMOFORM	15.422	173	435489	10.17	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.818	83	419457	9.36	PPBV	98
63) ISOPROPYLBENZENE	16.478	105	646329	9.43	PPBV	96
64) 2-CHLOROTOLUENE	17.031	91	487461	9.29	PPBV	92
65) 4-ETHYLTOLUENE	17.223	105	607400	8.59	PPBV	94
66) 1,3,5-TRIMETHYLBENZENE	17.308	105	570805	8.42	PPBV	93
67) 1,2,4-TRIMETHYLBENZENE	17.775	105	539991	8.65	PPBV	94
68) m-DICHLOROBENZENE	17.956	146	342504	8.92	PPBV	98
69) BENZYL CHLORIDE	17.937	91	338640	7.31	PPBV	94
70) p-DICHLOROBENZENE	18.032	146	280148	8.31	PPBV	96
71) o-DICHLOROBENZENE	18.421	146	266416	7.51	PPBV	95
72) HEXACHLOROBUTADIENE	20.812	225	157790	7.93	PPBV	98
73) 1,2,4-TRICHLOROBENZENE	20.324	180	42469	7.53	PPBV	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3491A.D
Acq On : 22 May 2007 6:00 pm
Operator : PhilipB
Sample : BS (M068)
Misc : MS13602,MSQ190,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 23 09:43:34 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:36:34 2007
Response via : Initial Calibration



Quantitation Report (Qedit)

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Data Path : C:\msdchem\1\DATA\
Data File : Q3491A.D
Acq On    : 22 May 2007   6:00 pm
Operator  : PhilipB
Sample    : BS (M068)
Misc      : MS13602,MSQ190,,,,,1
ALS Vial  : 1   Sample Multiplier: 1

Quant Time: May 23 09:43:01 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:36:34 2007
Response via : Initial Calibration
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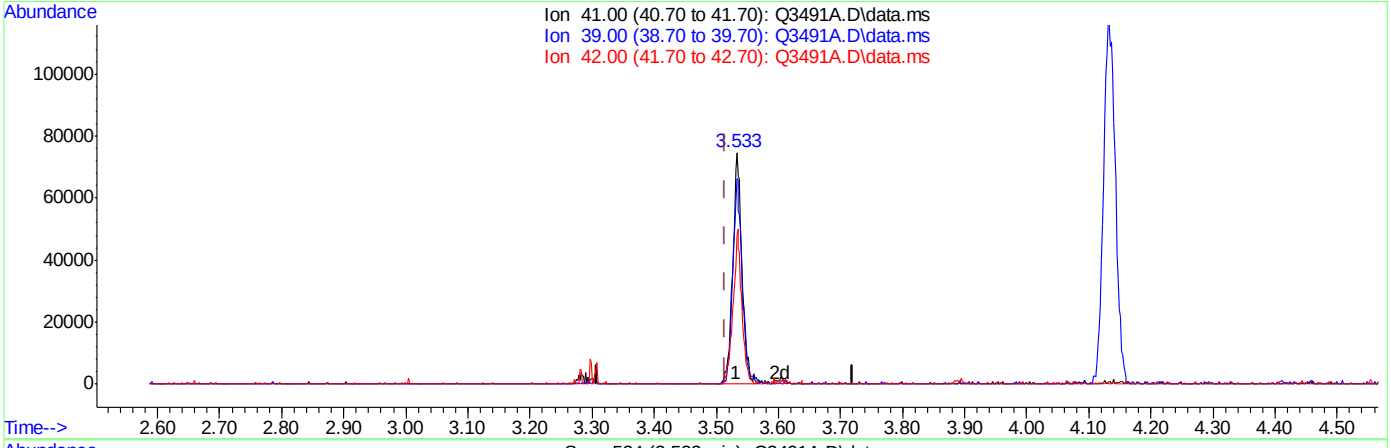
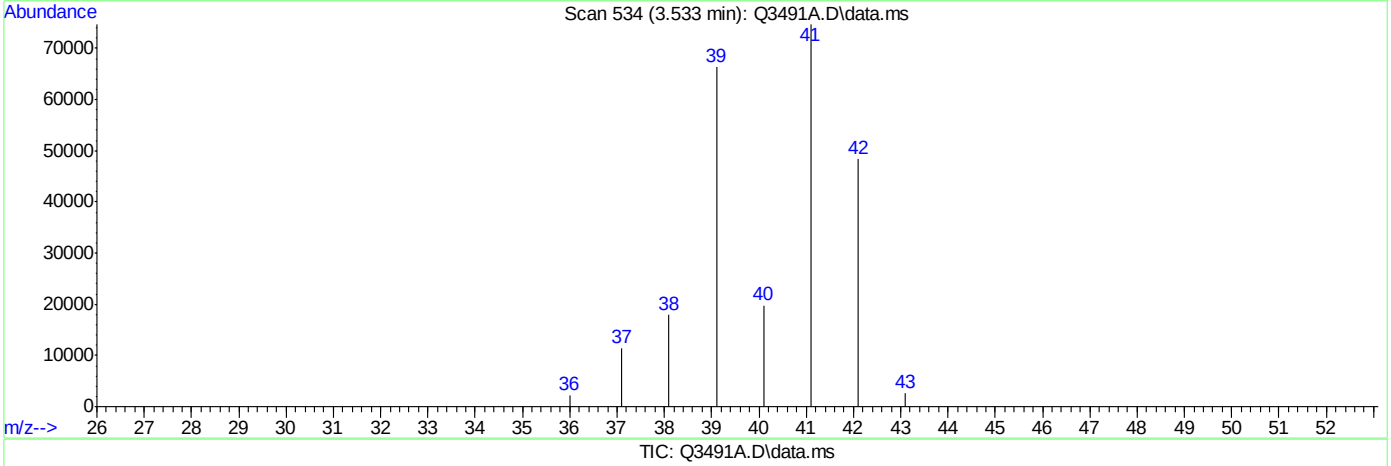




TIC: Q3491A.D\data.ms

(3) PROPYLENE (m)

3.533min (+0.019) 6.61PPBV

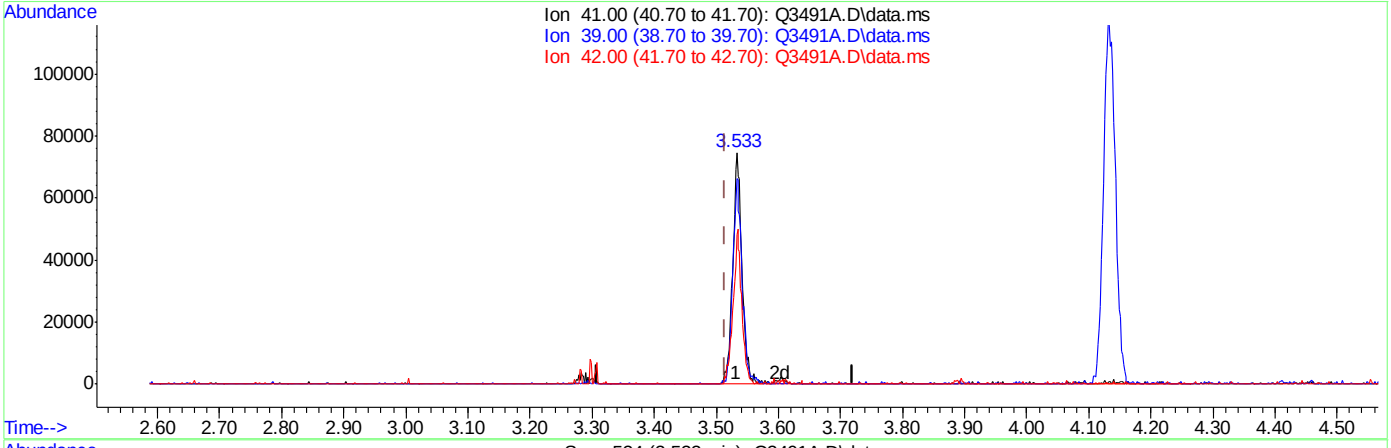
response 82238

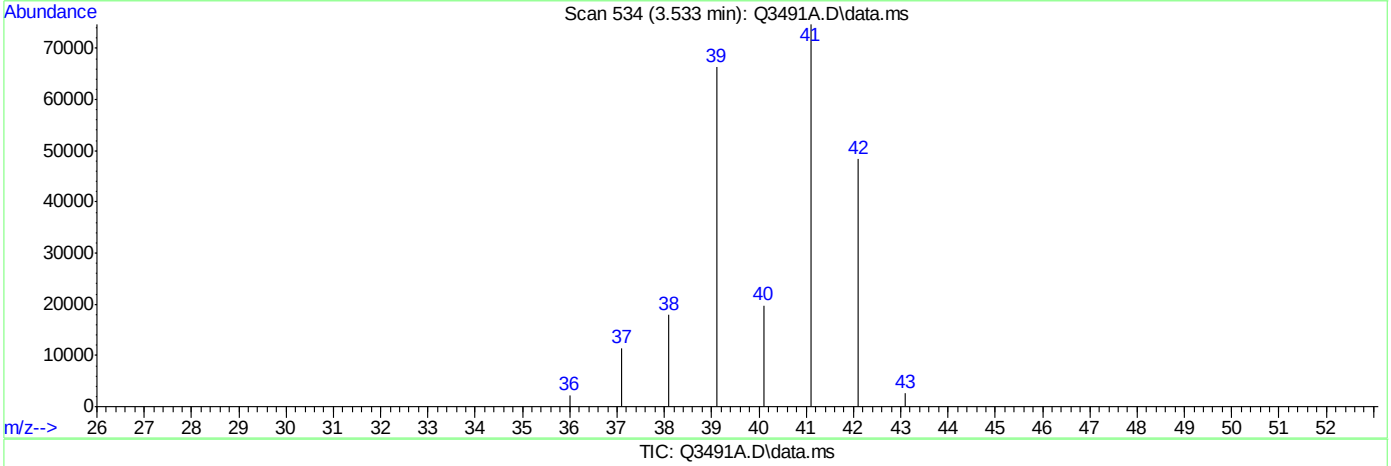
Ion	Exp%	Act%
41.00	100	100
39.00	90.30	88.85
42.00	56.70	64.73
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3491A.D
Acq On : 22 May 2007 6:00 pm
Operator : PhilipB
Sample : BS (M068)
Misc : MS13602,MSQ190,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 23 09:43:01 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:36:34 2007
Response via : Initial Calibration





TIC: Q3491A.D\data.ms

(3) PROPYLENE (m)

3.533min (+0.019) 7.13PPBV m

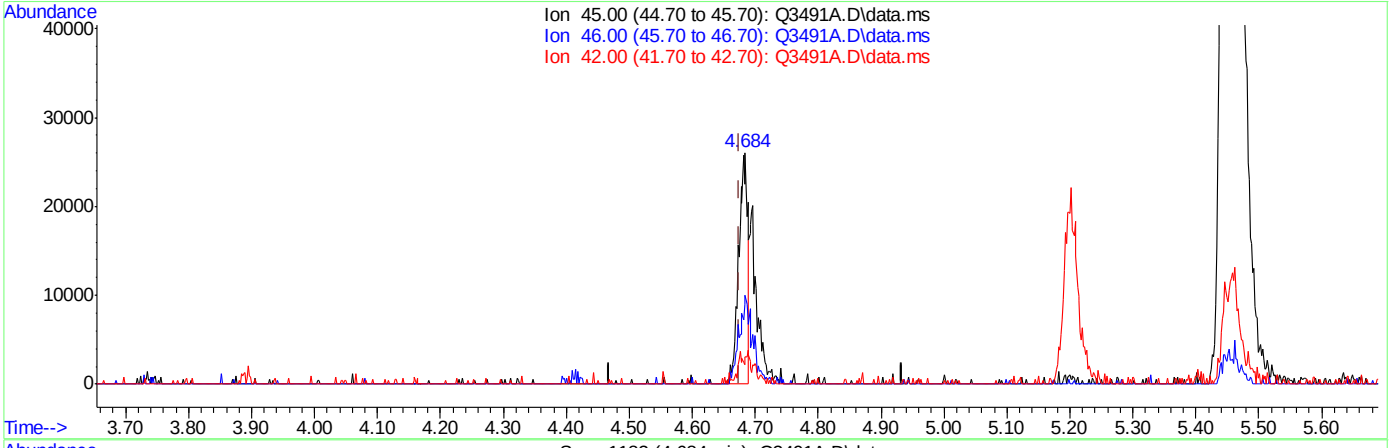
response 88727

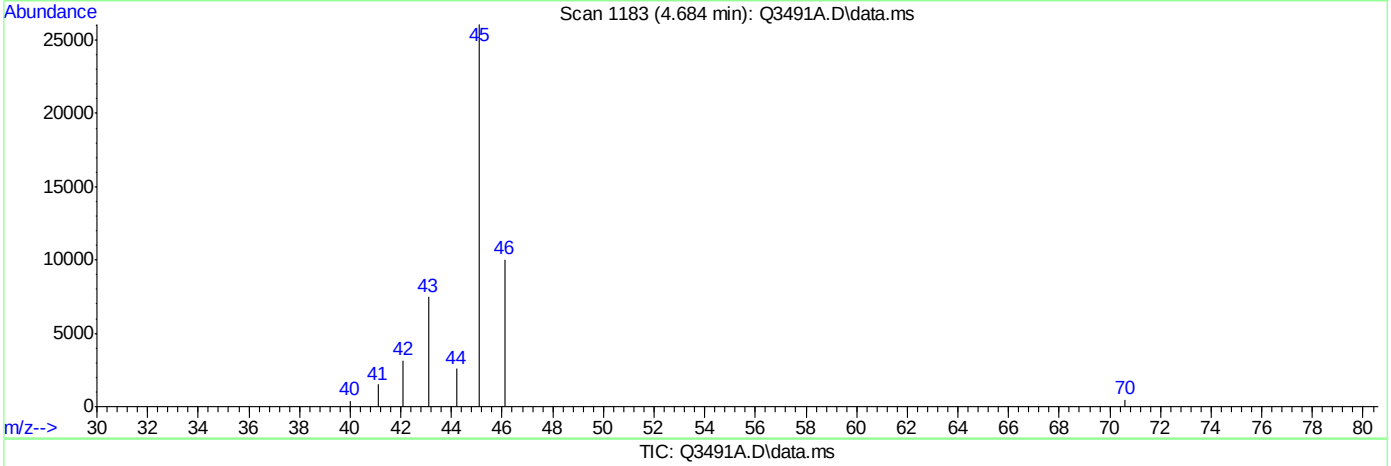
Ion	Exp%	Act%
41.00	100	100
39.00	90.30	88.85
42.00	56.70	64.73
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3491A.D
Acq On : 22 May 2007 6:00 pm
Operator : PhilipB
Sample : BS (M068)
Misc : MS13602,MSQ190,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 23 09:43:01 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:36:34 2007
Response via : Initial Calibration





TIC: Q3491A.D\data.ms

(16) ETHANOL (m)

4.684min (+0.009) 5.10PPBV

response 26759

Ion	Exp%	Act%
45.00	100	100
46.00	0.00	57.80#
42.00	0.00	6.66
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3491A.D
Acq On    : 22 May 2007   6:00 pm
Operator  : PhilipB
Sample    : BS (M068)
Misc      : MS13602,MSQ190,,,,,1
ALS Vial  : 1   Sample Multiplier: 1

Quant Time: May 23 09:43:01 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:36:34 2007
Response via : Initial Calibration
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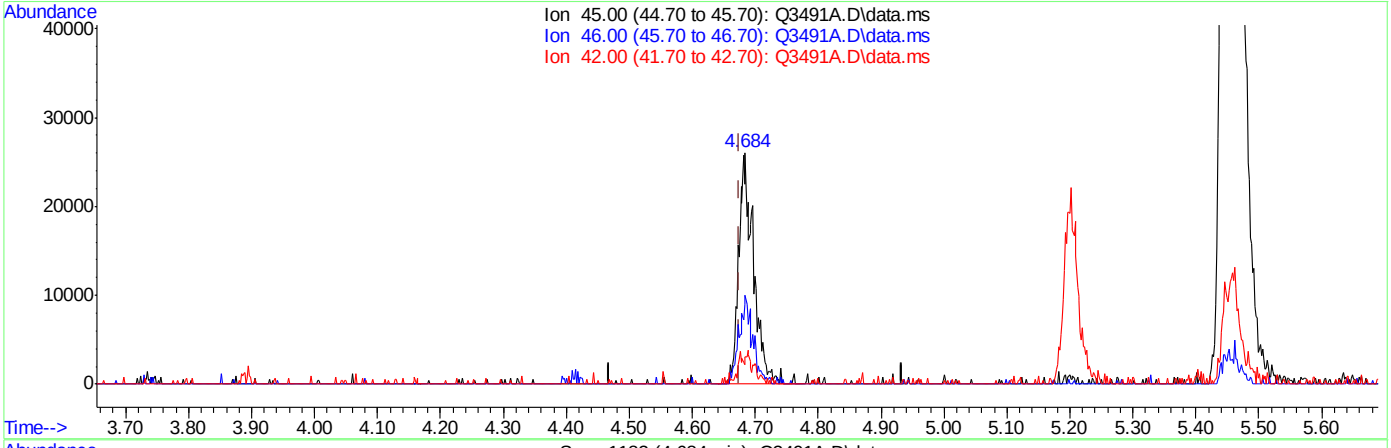
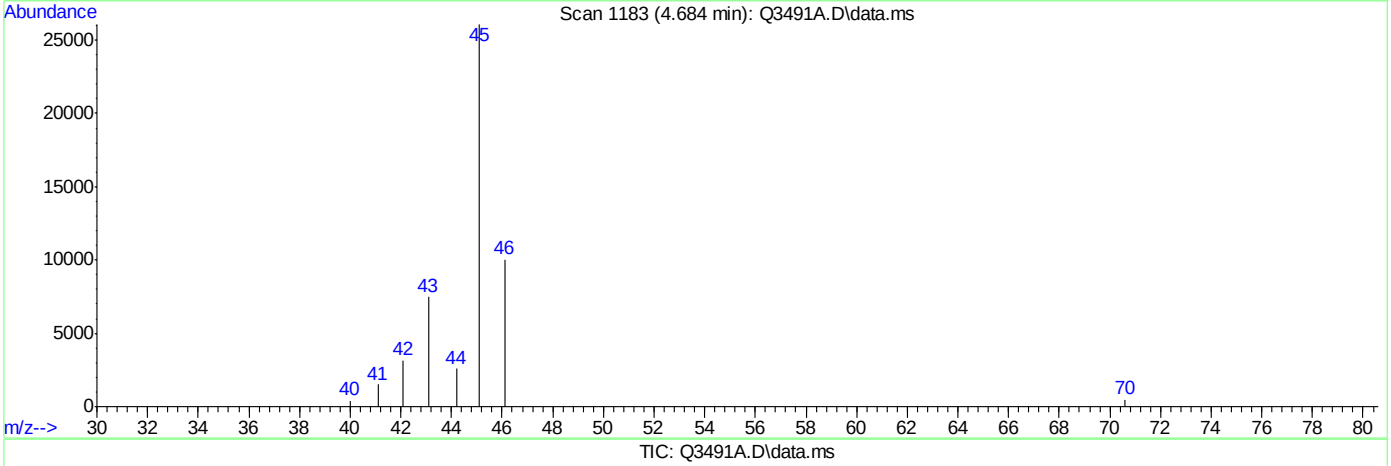




TIC: Q3491A.D\data.ms

(16) ETHANOL (m)

4.684min (+0.009) 8.47PPBV m

response 44429

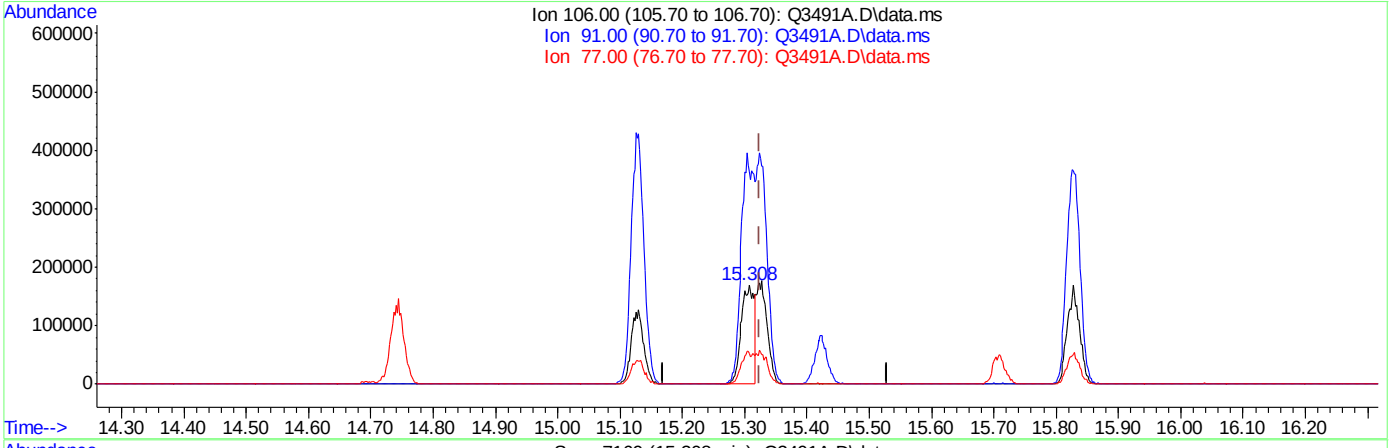
Ion	Exp%	Act%
45.00	100	100
46.00	0.00	34.81#
42.00	0.00	4.01
0.00	0.00	0.00

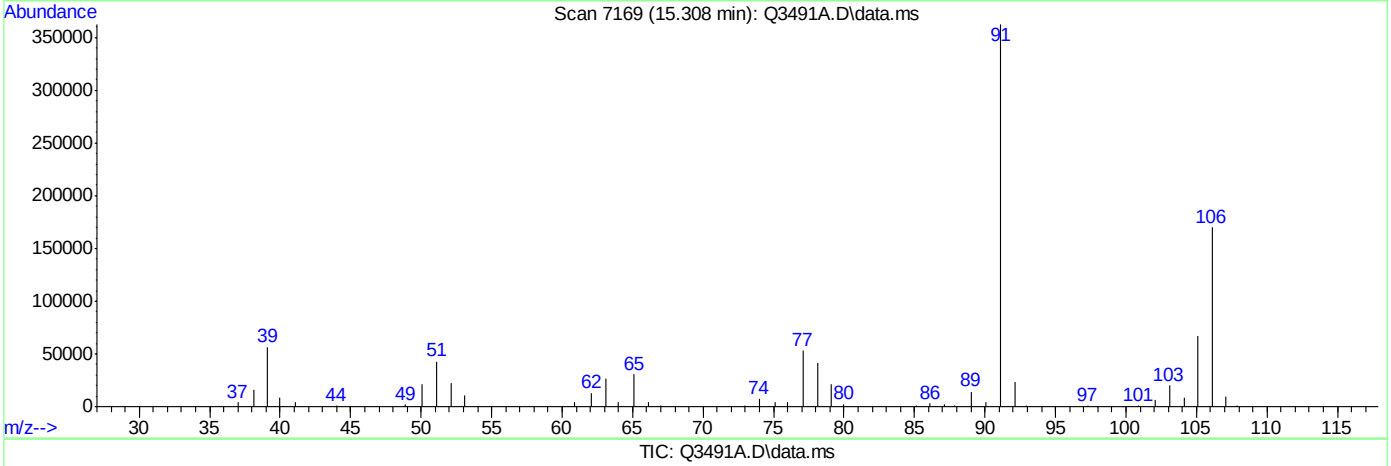
ACCUTEST Laboratories M65503

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3491A.D
Acq On : 22 May 2007 6:00 pm
Operator : PhilipB
Sample : BS (M068)
Misc : MS13602,MSQ190,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 23 09:43:01 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:36:34 2007
Response via : Initial Calibration





TIC: Q3491A.D\data.ms

(56) m,p-XYLENE (m)

15.308min (-0.016) 9.76PPBV

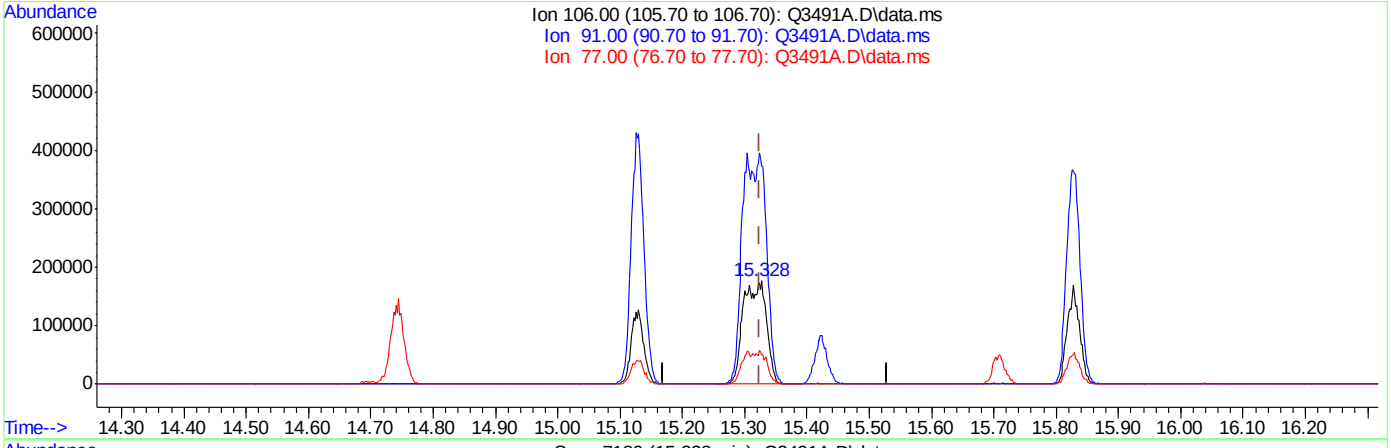
response 249289

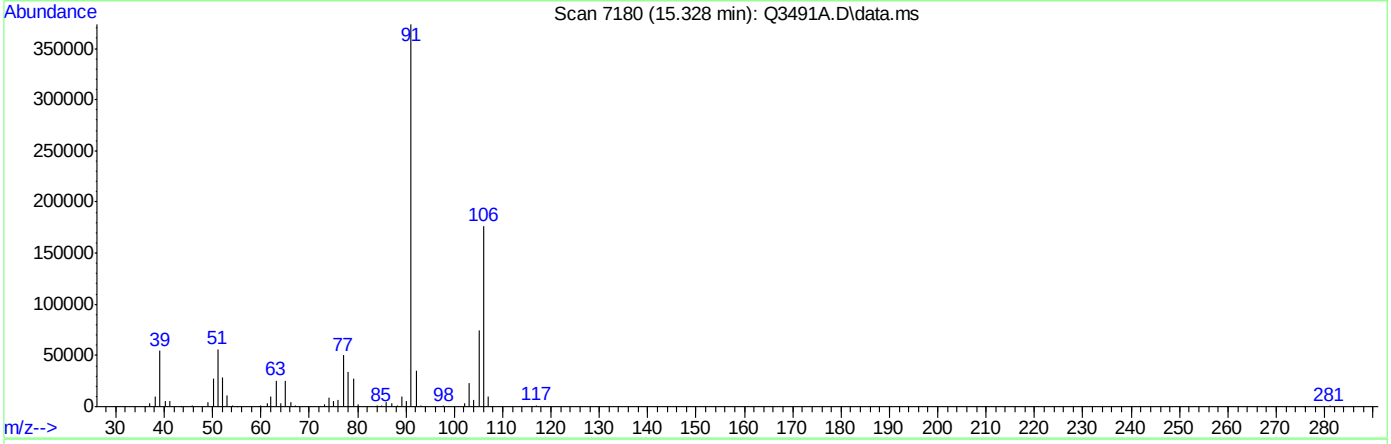
Ion	Exp%	Act%
106.00	100	100
91.00	204.20	213.74
77.00	30.60	31.28
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3491A.D
Acq On : 22 May 2007 6:00 pm
Operator : PhilipB
Sample : BS (M068)
Misc : MS13602,MSQ190,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 23 09:43:01 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:36:34 2007
Response via : Initial Calibration





TIC: Q3491A.D\data.ms

(56) m,p-XYLENE (m)

15.328min (+0.004) 17.89PPBV m

response 457041

Ion	Exp%	Act%
106.00	100	100
91.00	204.20	211.72
77.00	30.60	28.52
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
06/04/07 12:00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3590A.D
Acq On : 1 Jun 2007 3:56 pm
Operator : PhilipB
Sample : BS (M021)
Misc : MS13676, MSQ195,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 01 16:30:47 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Jun 01 16:17:24 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.429	128	36892	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.350	114	179283	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.694	117	152279	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.334	95	94503	5.30	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 106.00%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	3.611	85	322736	10.02	PPBV	77
3) PROPYLENE	3.540	41	58625	9.17	PPBV	91
4) FREON 114	3.873	85	256211	10.54	PPBV #	100
5) CHLOROMETHANE	3.776	50	78868	9.94	PPBV	93
6) VINYL CHLORIDE	3.998	62	68720	10.09	PPBV #	71
7) 1,3-BUTADIENE	4.138	39	108736	11.60	PPBV #	100
8) BROMOMETHANE	4.416	94	62951	10.80	PPBV #	100
9) CHLOROETHANE	4.590	64	32852	12.18	PPBV #	100
10) TRICHLOROFLUOROMETHANE	5.407	101	407974	12.90	PPBV #	100
11) ISOPROPYL ALCOHOL	5.456	45	213480	12.79	PPBV	91
12) ACETONE	5.203	43	265934	12.78	PPBV	86
13) PENTANE	5.781	42	113338	13.37	PPBV #	100
14) 1,1-DICHLOROETHYLENE	6.087	96	74044	13.45	PPBV #	1
15) CARBON DISULFIDE	6.537	76	224335	14.98	PPBV #	26
16) ETHANOL	4.688	45	31474	10.64	PPBV #	100
17) BROMOETHENE	4.961	106	63366	11.75	PPBV #	100
18) METHYLENE CHLORIDE	6.209	84	72874	13.00	PPBV #	1
19) 3-CHLOROPROPENE	6.333	39	164929	14.19	PPBV #	1
20) FREON 113	6.481	151	130117	12.98	PPBV #	100
21) TRANS-1,2-DICHLOROETHY...	7.192	96	83838	15.58	PPBV #	100
22) TERTIARY BUTYL ALCOHOL	6.102	59	257144	15.55	PPBV #	100
23) METHYL TERTIARY BUTYL ...	7.455	73	290464	14.27	PPBV #	100
24) TETRAHYDROFURAN	8.965	42	98414	10.96	PPBV #	100
25) HEXANE	8.465	57	92633	9.91	PPBV #	100
26) VINYL ACETATE	7.544	43	337085	14.67	PPBV	89
27) 1,1-DICHLOROETHANE	7.402	63	233580	15.28	PPBV #	100
28) METHYL ETHYL KETONE	7.801	43	231976	11.07	PPBV	82
29) cis-1,2-DICHLOROETHYLENE	8.264	96	47205	10.50	PPBV #	100
30) ETHYL ACETATE	8.472	43	353968	10.96	PPBV	100
31) CHLOROFORM	8.559	83	198344	10.96	PPBV #	100
32) 1,1,1-TRICHLOROETHANE	9.558	97	216991	10.75	PPBV #	81
33) CARBON TETRACHLORIDE	10.163	117	231558	10.89	PPBV	97
34) 1,2-DICHLOROETHANE	9.304	62	207817	11.74	PPBV	98
36) BENZENE	10.014	78	136056	10.39	PPBV	83
37) CYCLOHEXANE	10.289	84	47035	10.48	PPBV #	37
38) TRICHLOROETHYLENE	11.056	95	88319	11.04	PPBV #	70
39) 1,2-DICHLOROPROPANE	10.827	63	62852	10.59	PPBV	87
40) BROMODICHLOROMETHANE	11.013	83	203689	11.35	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.079	57	305874	10.92	PPBV	95
42) 1,4-DIOXANE	11.051	88	22953	11.15	PPBV #	1
43) HEPTANE	11.329	43	154330	11.07	PPBV #	69

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3590A.D
Acq On : 1 Jun 2007 3:56 pm
Operator : PhilipB
Sample : BS (M021)
Misc : MS13676, MSQ195,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 01 16:30:47 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Jun 01 16:17:24 2007
Response via : Initial Calibration

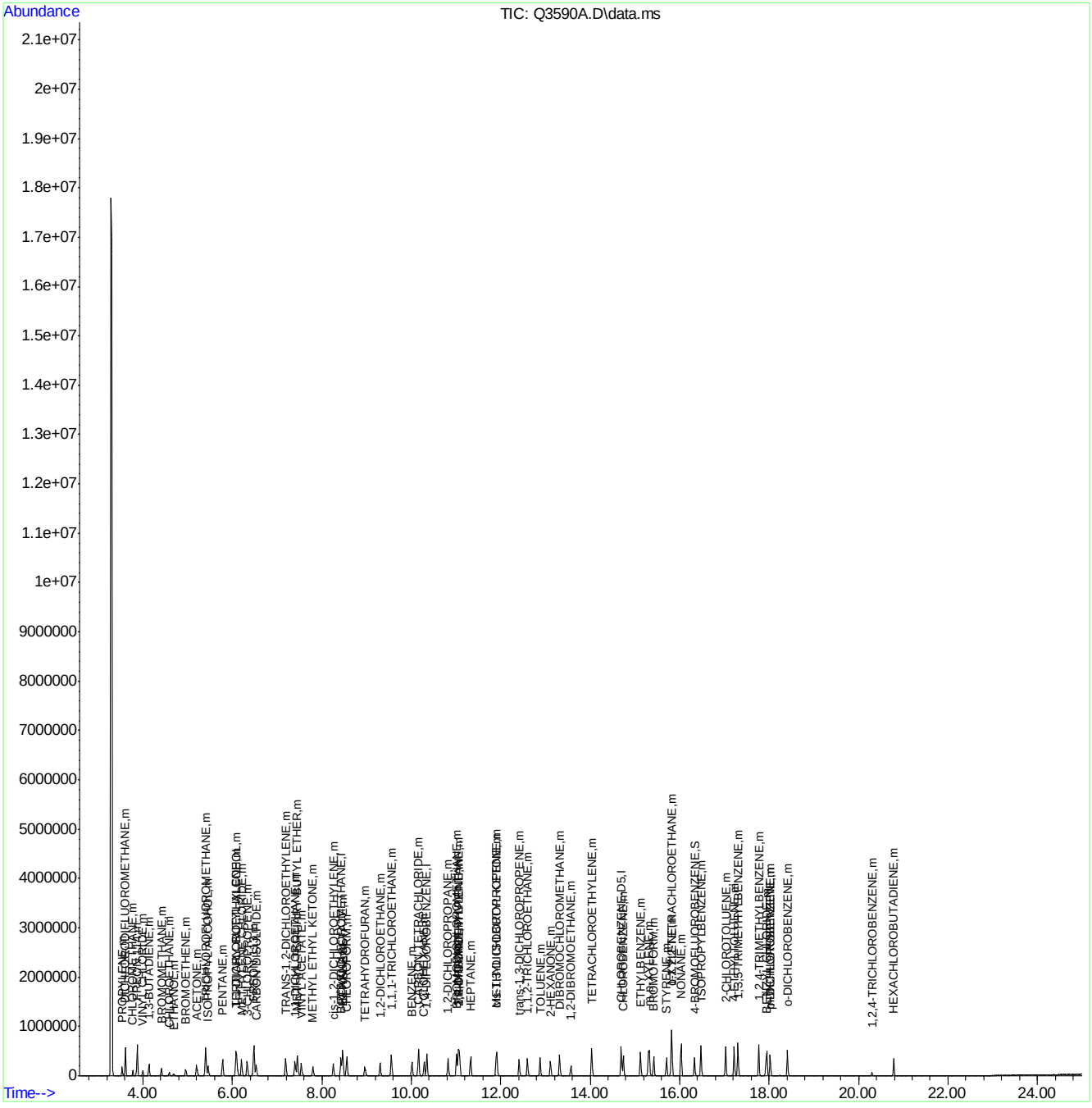
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.917	43	253444	12.34 PPBV	83
45) cis-1,3-DICHLOROPROPENE	11.901	75	97632	11.46 PPBV #	26
46) TOLUENE	12.879	92	89346	9.76 PPBV	91
47) trans-1,3-DICHLOROPROPENE	12.414	75	103625	11.84 PPBV #	98
48) 1,1,2-TRICHLOROETHANE	12.598	83	58514	11.13 PPBV #	86
50) 2-HEXANONE	13.115	43	212402	12.95 PPBV	81
51) TETRACHLOROETHYLENE	14.038	164	46234	9.20 PPBV #	65
52) DIBROMOCHLOROMETHANE	13.320	129	145900	11.06 PPBV	98
53) 1,2-DIBROMOETHANE	13.569	107	97915	10.23 PPBV	100
54) CHLOROBENZENE	14.740	112	110645	10.17 PPBV #	72
55) ETHYLBENZENE	15.127	91	246758	10.62 PPBV	89
56) m,p-XYLENE	15.324	106	152930m	20.05 PPBV	
57) o-XYLENE	15.825	106	83684	10.47 PPBV #	61
58) STYRENE	15.704	104	99134	11.17 PPBV #	81
59) NONANE	16.034	43	266261	12.43 PPBV	79
60) BROMOFORM	15.422	173	105995	10.62 PPBV	97
62) 1,1,2,2-TETRACHLOROETHANE	15.818	83	157539	12.20 PPBV	97
63) ISOPROPYLBENZENE	16.476	105	274187	10.32 PPBV	85
64) 2-CHLOROTOLUENE	17.032	91	225353	10.77 PPBV	75
65) 4-ETHYLTOLUENE	17.221	105	243687	10.63 PPBV	91
66) 1,3,5-TRIMETHYLBENZENE	17.307	105	250270	11.23 PPBV	85
67) 1,2,4-TRIMETHYLBENZENE	17.768	105	223820	11.17 PPBV	86
68) m-DICHLOROBENZENE	18.025	146	79934	9.46 PPBV	88
69) BENZYL CHLORIDE	17.931	91	138875	13.25 PPBV	83
70) p-DICHLOROBENZENE	18.025	146	79663	9.93 PPBV	86
71) o-DICHLOROBENZENE	18.412	146	87442	12.64 PPBV #	84
72) HEXACHLOROBUTADIENE	20.787	225	21492	10.32 PPBV	93
73) 1,2,4-TRICHLOROBENZENE	20.302	180	6925	8.10 PPBV	82

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3590A.D
Acq On : 1 Jun 2007 3:56 pm
Operator : PhilipB
Sample : BS (M021)
Misc : MS13676, MSQ195,,,,,1
ALS Vial : 3 Sample Multiplier: 1

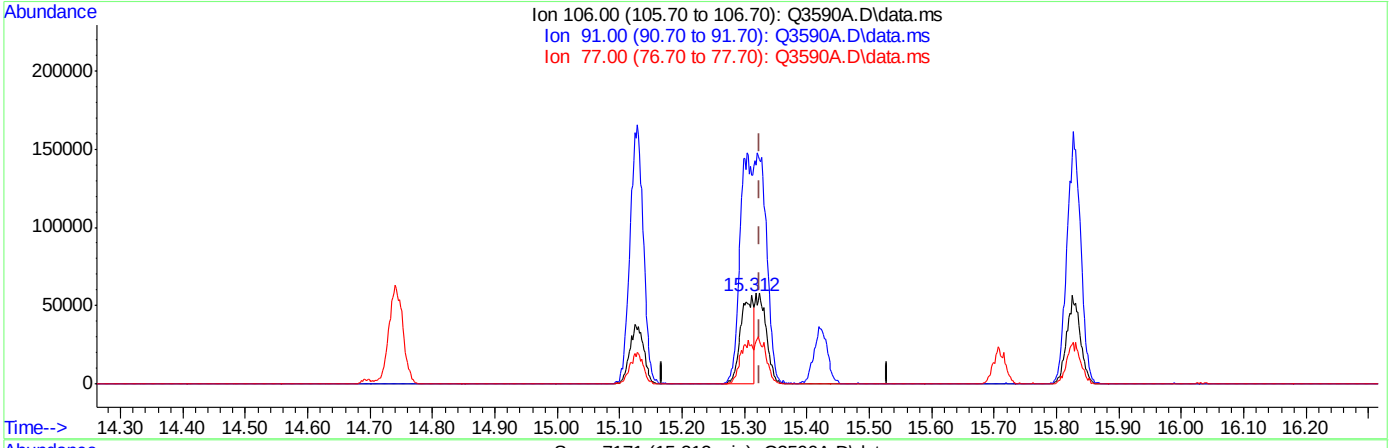
Quant Time: Jun 01 16:30:47 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Jun 01 16:17:24 2007
Response via : Initial Calibration

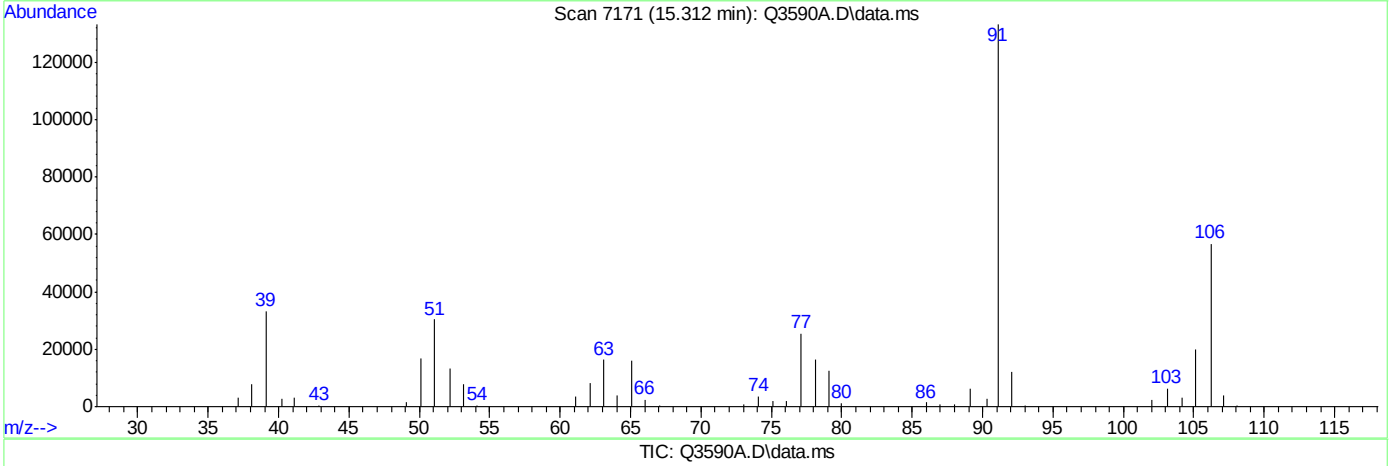


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3590A.D
Acq On : 1 Jun 2007 3:56 pm
Operator : PhilipB
Sample : BS (M021)
Misc : MS13676, MSQ195,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 01 16:30:33 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Jun 01 16:17:24 2007
Response via : Initial Calibration





TIC: Q3590A.D\data.ms

(56) m,p-XYLENE (m)

15.312min (-0.012) 10.72PPBV

response 81777

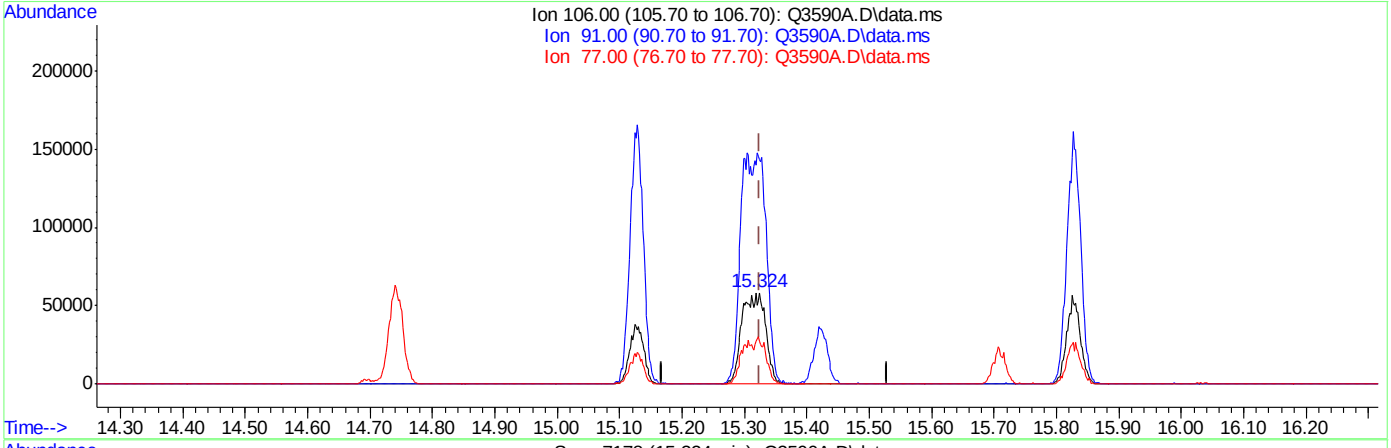
Ion	Exp%	Act%
106.00	100	100
91.00	204.20	235.06
77.00	30.60	44.89#
0.00	0.00	0.00

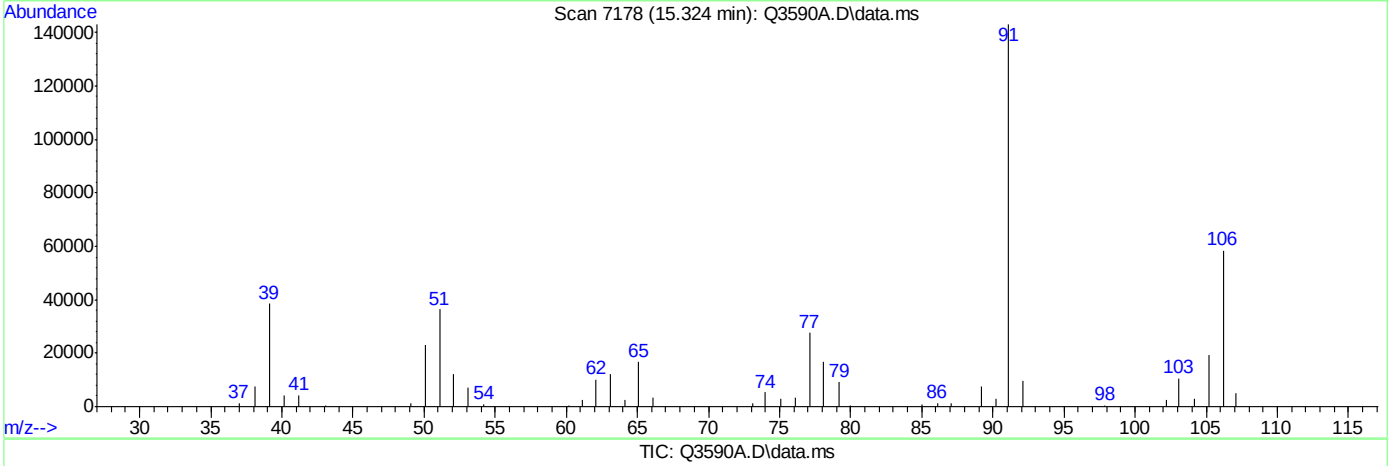
ACCUTEST Laboratories M65503

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3590A.D
Acq On : 1 Jun 2007 3:56 pm
Operator : PhilipB
Sample : BS (M021)
Misc : MS13676, MSQ195,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 01 16:30:33 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Jun 01 16:17:24 2007
Response via : Initial Calibration





TIC: Q3590A.D\data.ms

(56) m,p-XYLENE (m)

15.324min (+0.000) 20.05PPBV m

response 152930

Ion	Exp%	Act%
106.00	100	100
91.00	204.20	245.10#
77.00	30.60	47.27#
0.00	0.00	0.00

ACCUTEST Laboratories M65503

Manual Integrations APPROVED (compounds with "m" flag)
Philip Bassignani 06/18/07 10:22

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10631a.D
Acq On : 13 Jun 2007 11:00 am
Operator : danat
Sample : bs (m057)
Misc : MS13724, MSJ551,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 15 14:49:26 2007
Quant Method : C:\MSDCHEM\1\METHODS\J060707T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jun 12 11:28:25 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	358868	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.45	114	1374210	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.67	117	1211518	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.30	95	388269	5.28	PPBV	0.00
Spiked Amount 5.000	Range 51 - 142		Recovery = 105.60%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.07	85	1273526	10.16	PPBV	100
3) PROPYLENE	4.00	41	208381	9.55	PPBV	97
4) FREON 114	4.33	85	1168441	10.11	PPBV	99
5) CHLOROMETHANE	4.23	50	298670	9.87	PPBV	99
6) VINYL CHLORIDE	4.45	62	346148	9.74	PPBV	98
7) 1,3-BUTADIENE	4.59	39	252149	10.42	PPBV	100
8) BROMOMETHANE	4.86	94	415616	10.26	PPBV	98
9) CHLOROETHANE	5.03	64	182534	11.20	PPBV	99
10) TRICHLOROFLUOROMETHANE	5.79	101	1353083	10.50	PPBV	100
11) ISOPROPYL ALCOHOL	5.96	45	403355	9.79	PPBV	96
12) ACETONE	5.66	43	373436	7.68	PPBV	99
13) PENTANE	6.14	42	311477	10.29	PPBV	100
14) 1,1-DICHLOROETHYLENE	6.43	96	387492	10.25	PPBV	98
15) CARBON DISULFIDE	6.85	76	1132841	9.95	PPBV	100
16) ETHANOL	5.22	45	65277	8.64	PPBV	73
17) BROMOETHENE	5.38	106	405854	10.65	PPBV	99
18) METHYLENE CHLORIDE	6.55	84	366647	8.87	PPBV	99
19) 3-CHLOROPROPENE	6.66	39	272964	10.67	PPBV	96
20) FREON 113	6.79	151	860324	10.29	PPBV	99
21) TRANS-1,2-DICHLOROETHYLENE	7.46	96	392680	10.79	PPBV	98
22) TERTIARY BUTYL ALCOHOL	6.56	59	524701	10.21	PPBV	88
23) METHYL TERTIARY BUTYL ETHE	7.74	73	685831	9.05	PPBV	99
24) TETRAHYDROFURAN	9.18	42	223407	9.02	PPBV	99
25) HEXANE	8.63	57	394267	8.93	PPBV	99
26) VINYL ACETATE	7.80	43	421018	8.72	PPBV	97
27) 1,1-DICHLOROETHANE	7.66	63	633647	10.45	PPBV	100
28) METHYL ETHYL KETONE	8.08	43	419440	9.67	PPBV	97
29) cis-1,2-DICHLOROETHYLENE	8.46	96	364431	10.27	PPBV	98
30) ETHYL ACETATE	8.69	43	434264	9.25	PPBV	100
31) CHLOROFORM	8.74	83	867157	10.15	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.68	97	1017487	10.92	PPBV	99
33) CARBON TETRACHLORIDE	10.26	117	1267843	11.54	PPBV	100
34) 1,2-DICHLOROETHANE	9.46	62	467077	9.83	PPBV	100
36) BENZENE	10.12	78	882943	11.65	PPBV	99
37) CYCLOHEXANE	10.37	84	462860	13.52	PPBV	99
38) TRICHLOROETHYLENE	11.12	95	478975	12.04	PPBV	100
39) 1,2-DICHLOROPROPANE	10.90	63	296276	11.42	PPBV	99
40) BROMODICHLOROMETHANE	11.09	83	787969	11.64	PPBV	100
41) 2,2,4-TRIMETHYLPENTANE	11.12	57	1655479	14.95	PPBV	98
42) 1,4-DIOXANE	11.18	88	159631	9.83	PPBV	94
43) HEPTANE	11.36	43	467854	12.81	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10631a.D
Acq On : 13 Jun 2007 11:00 am
Operator : danat
Sample : bs (m057)
Misc : MS13724, MSJ551,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 15 14:49:26 2007
Quant Method : C:\MSDCHEM\1\METHODS\J060707T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jun 12 11:28:25 2007
Response via : Initial Calibration

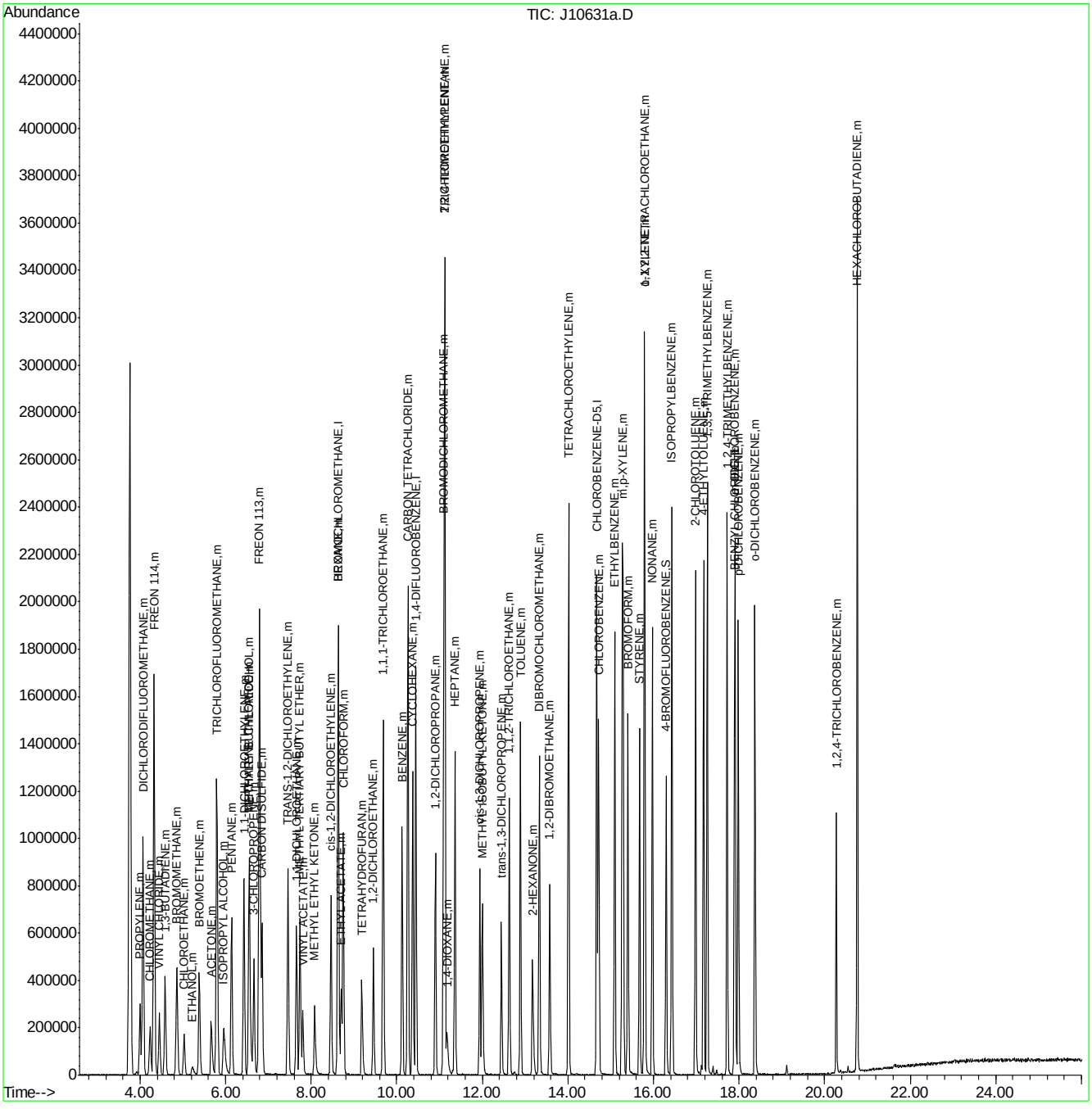
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.00	43	541311	9.90	PPBV	99
45) cis-1,3-DICHLOROPROPENE	11.94	75	436657	9.17	PPBV	100
46) TOLUENE	12.89	92	590764	8.97	PPBV	97
47) trans-1,3-DICHLOROPROPENE	12.45	75	334702	8.36	PPBV	100
48) 1,1,2-TRICHLOROETHANE	12.63	83	313989	11.43	PPBV	100
50) 2-HEXANONE	13.17	43	418121	9.52	PPBV	97
51) TETRACHLOROETHYLENE	14.02	164	548501	11.52	PPBV	99
52) DIBROMOCHLOROMETHANE	13.33	129	783739	11.73	PPBV	99
53) 1,2-DIBROMOETHANE	13.58	107	546275	11.66	PPBV	100
54) CHLOROBENZENE	14.72	112	866947	11.93	PPBV	100
55) ETHYLBENZENE	15.09	91	1315956	9.31	PPBV	99
56) m,p-XYLENE	15.27	106	1097894	19.18	PPBV	98
57) o-XYLENE	15.79	106	560165	9.54	PPBV	99
58) STYRENE	15.67	104	705137	10.09	PPBV	100
59) NONANE	15.97	43	629616	10.87	PPBV	99
60) BROMOFORM	15.40	173	784462m	9.00	PPBV	
62) 1,1,2,2-TETRACHLOROETHANE	15.80	83	794195	12.14	PPBV	99
63) ISOPROPYLBENZENE	16.43	105	1635111	9.64	PPBV	100
64) 2-CHLOROTOLUENE	16.98	91	1126580	9.41	PPBV	100
65) 4-ETHYLTOLUENE	17.17	105	1334133	8.57	PPBV	100
66) 1,3,5-TRIMETHYLBENZENE	17.26	105	1323641	9.21	PPBV	100
67) 1,2,4-TRIMETHYLBENZENE	17.72	105	1193867	8.83	PPBV	99
68) m-DICHLOROBENZENE	17.91	146	855033	8.69	PPBV	100
69) BENZYL CHLORIDE	17.89	91	627108	9.14	PPBV	99
70) p-DICHLOROBENZENE	17.98	146	782155	8.48	PPBV	100
71) o-DICHLOROBENZENE	18.37	146	785171	8.63	PPBV	100
72) HEXACHLOROBUTADIENE	20.76	225	604596	11.30	PPBV	98
73) 1,2,4-TRICHLOROBENZENE	20.27	180	297821	9.35	PPBV	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10631a.D
Acq On : 13 Jun 2007 11:00 am
Operator : danat
Sample : bs (m057)
Misc : MS13724, MSJ551,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 15 14:49:26 2007
Quant Method : C:\MSDCHEM\1\METHODS\J060707T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jun 12 11:28:25 2007
Response via : Initial Calibration



ACCUTEST Laboratories
M65503

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10777.D
Acq On : 26 Jun 2007 7:23 pm
Operator : danat
Sample : m65503-1dup (M132)
Misc : MS13762, MSJ557,,,,,1200
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 27 09:26:37 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Jun 25 18:15:12 2007
Response via : Initial Calibration

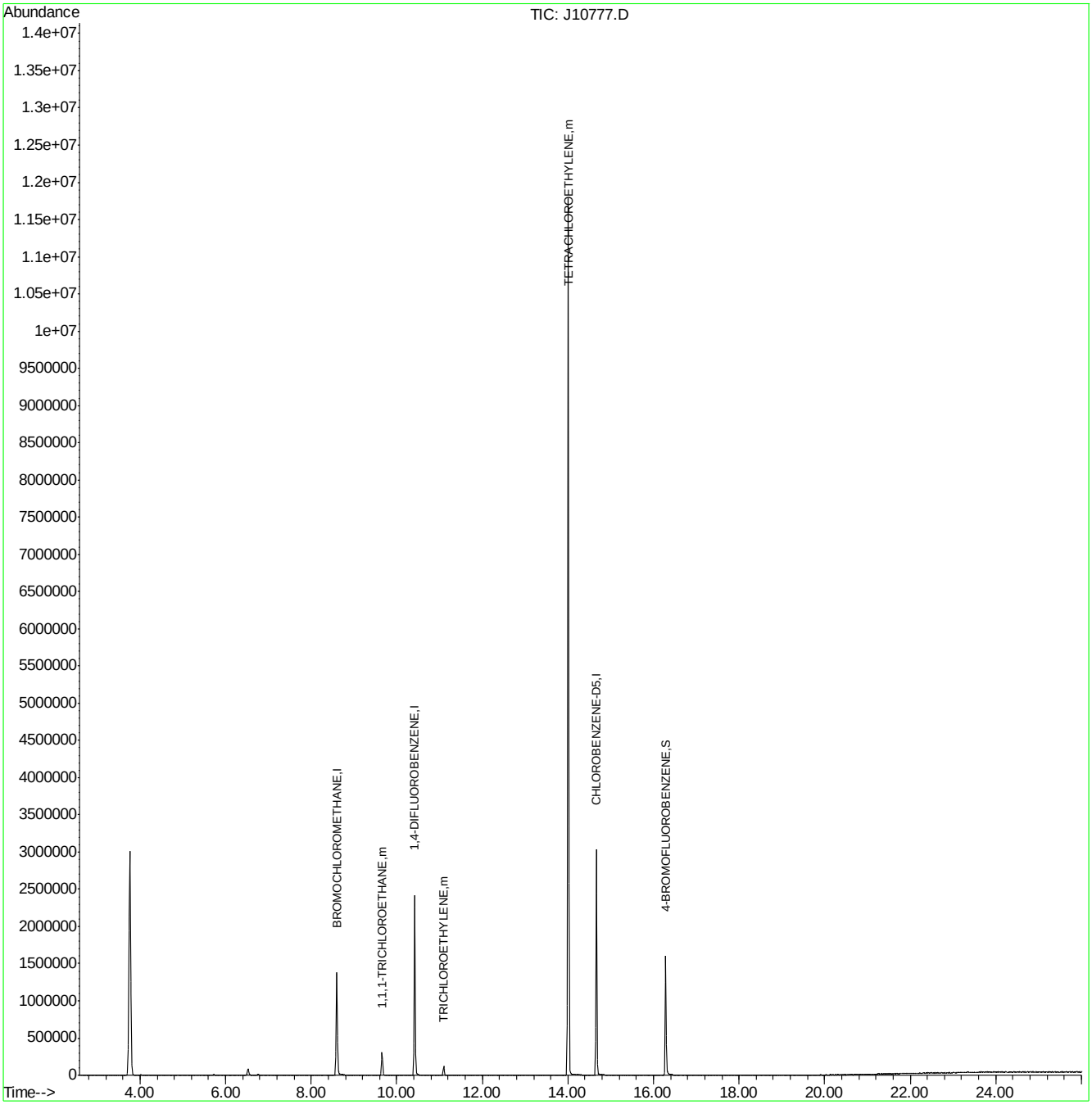
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.59	128	423336	10.00	PPBV	-0.03
35) 1,4-DIFLUOROBENZENE	10.42	114	1729953	10.00	PPBV	-0.03
49) CHLOROBENZENE-D5	14.66	117	1559045	10.00	PPBV	-0.01
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.28	95	428353	4.35	PPBV	-0.01
Spiked Amount 5.000	Range 51 - 142		Recovery = 87.00%			
Target Compounds						Qvalue
32) 1,1,1-TRICHLOROETHANE	9.66	97	199385	1.80	PPBV	98
38) TRICHLOROETHYLENE	11.10	95	34122	0.76	PPBV	95
51) TETRACHLOROETHYLENE	14.01	164	2635891	51.02	PPBV	98

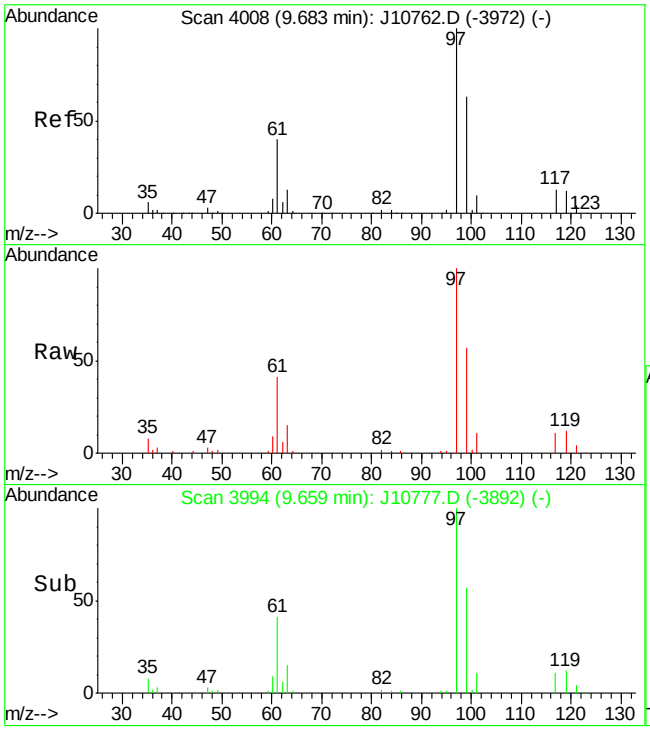
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10777.D
Acq On : 26 Jun 2007 7:23 pm
Operator : danat
Sample : m65503-1dup (M132)
Misc : MS13762, MSJ557,,,,,1200
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 27 09:26:37 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Jun 25 18:15:12 2007
Response via : Initial Calibration

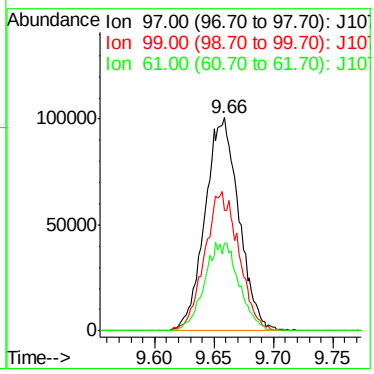


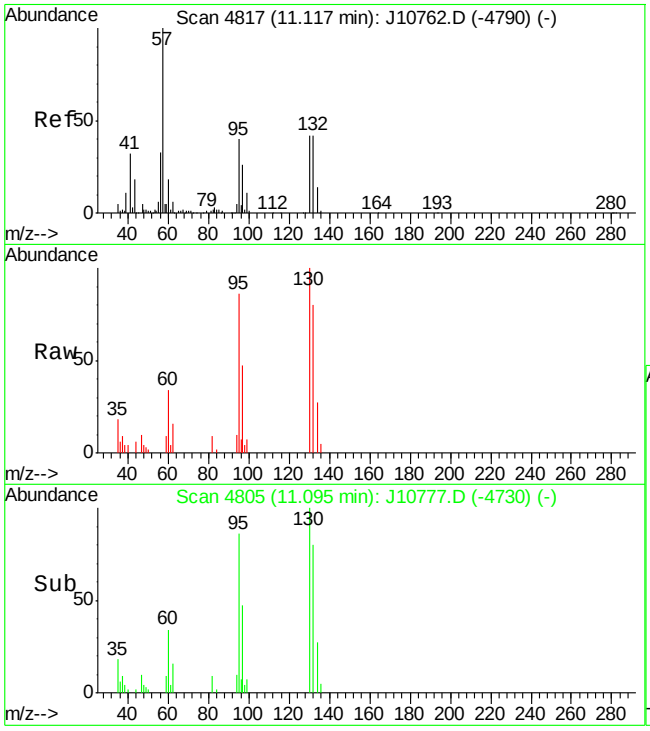


#32
1,1,1-TRICHLOROETHANE
Concen: 1.80 PPBV
RT: 9.66 min Scan# 3994
Delta R.T. -0.02 min
Lab File: J10777.D
Acq: 26 Jun 2007 7:23 pm

Tgt Ion: 97 Resp: 199385

Ion	Ratio	Lower	Upper
97	100		
99	65.6	44.1	84.1
61	42.2	21.0	61.0

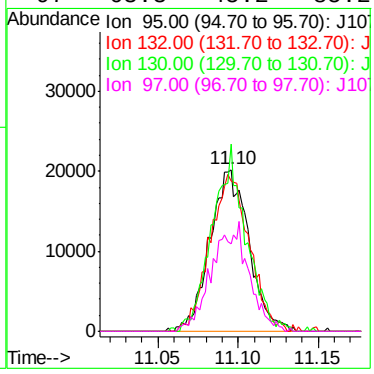


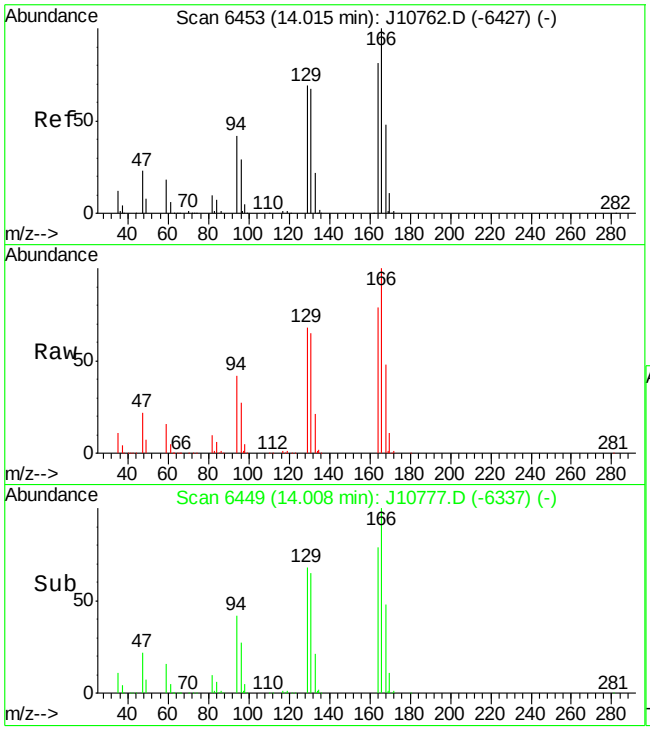


#38
TRICHLOROETHYLENE
Concen: 0.76 PPBV
RT: 11.10 min Scan# 4805
Delta R.T. -0.02 min
Lab File: J10777.D
Acq: 26 Jun 2007 7:23 pm

Tgt Ion: 95 Resp: 34122

Ion	Ratio	Lower	Upper
95	100		
132	98.2	82.7	122.7
130	100.5	86.7	126.7
97	63.3	45.2	85.2

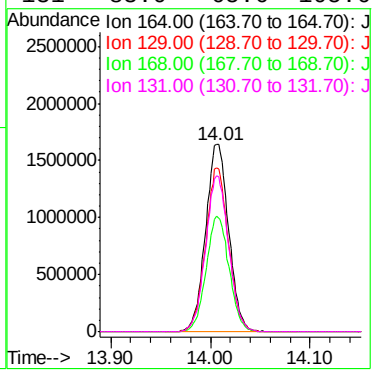




#51
TETRACHLOROETHYLENE
Concen: 51.02 PPBV
RT: 14.01 min Scan# 6449
Delta R.T. -0.01 min
Lab File: J10777.D
Acq: 26 Jun 2007 7:23 pm

Tgt Ion:164 Resp: 2635891

Ion	Ratio	Lower	Upper
164	100		
129	86.5	68.3	108.3
168	61.3	42.8	82.8
131	83.0	65.6	105.6



Manual Integrations
APPROVED
(compounds with "m" flag)
Doug Yargeau
05/23/07 16:07

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3496.D
Acq On : 22 May 2007 9:31 pm
Operator : PhilipB
Sample : M64897-22 (M092)
Misc : MS13602,MSQ190,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 23 09:56:06 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:36:34 2007
Response via : Initial Calibration

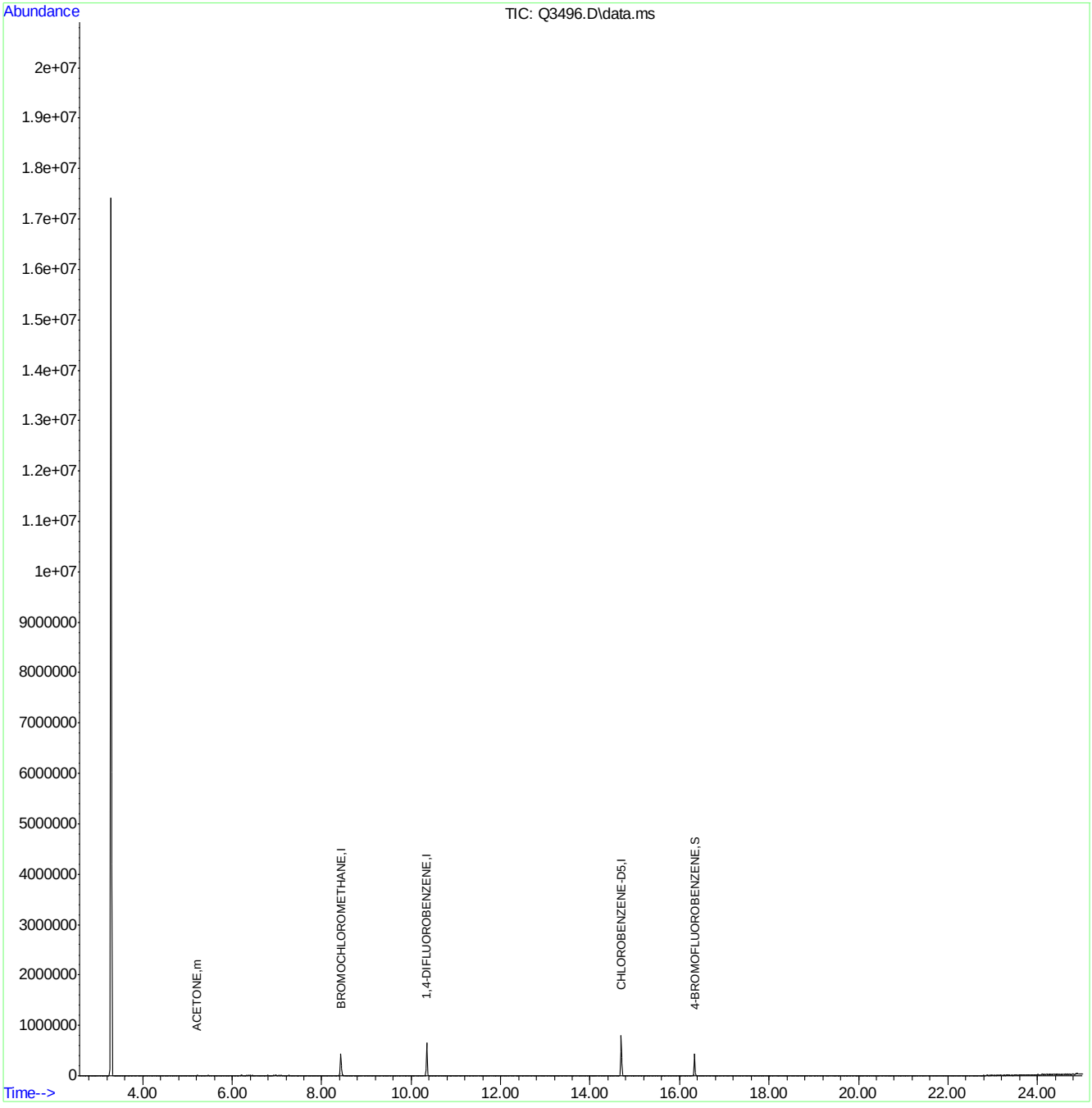
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.424	128	77186	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.346	114	322980	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.696	117	277567	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.336	95	92172	4.32	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 86.40%			
Target Compounds						Qvalue
12) ACETONE	5.215	43	7576m	0.23	PPBV	

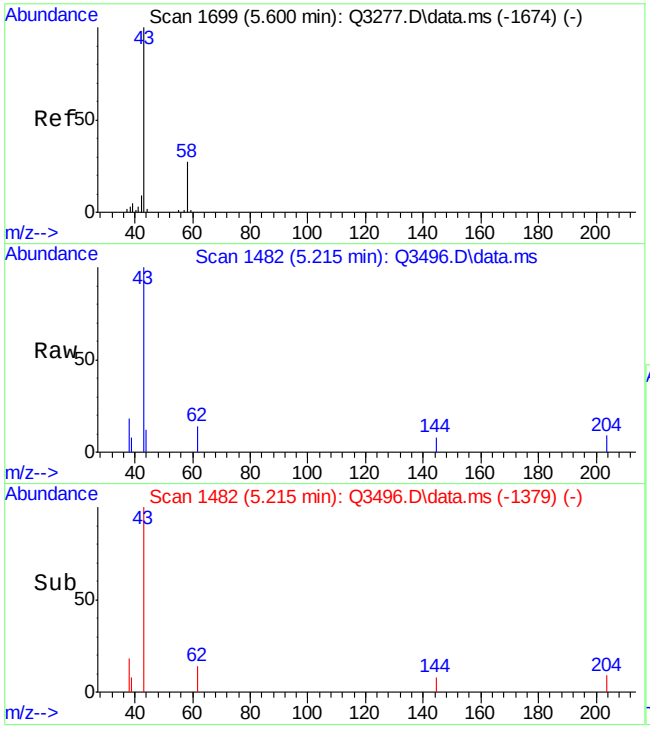
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3496.D
Acq On : 22 May 2007 9:31 pm
Operator : PhilipB
Sample : M64897-22 (M092)
Misc : MS13602,MSQ190,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 23 09:56:06 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:36:34 2007
Response via : Initial Calibration

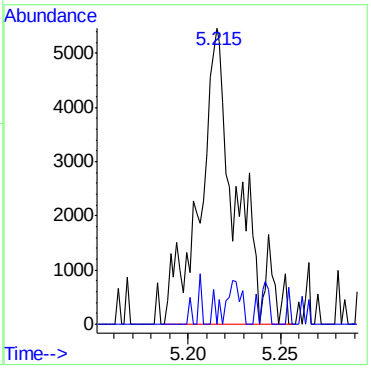




#12
ACETONE
Concen: 0.23 PPBV m
RT: 5.215 min Scan# 1482
Delta R.T. 0.027 min
Lab File: Q3496.D
Acq: 22 May 2007 9:31 pm

Tgt Ion: 43 Resp: 7576

Ion	Ratio	Lower	Upper
43	100		
58	5.7	0.0	20.3



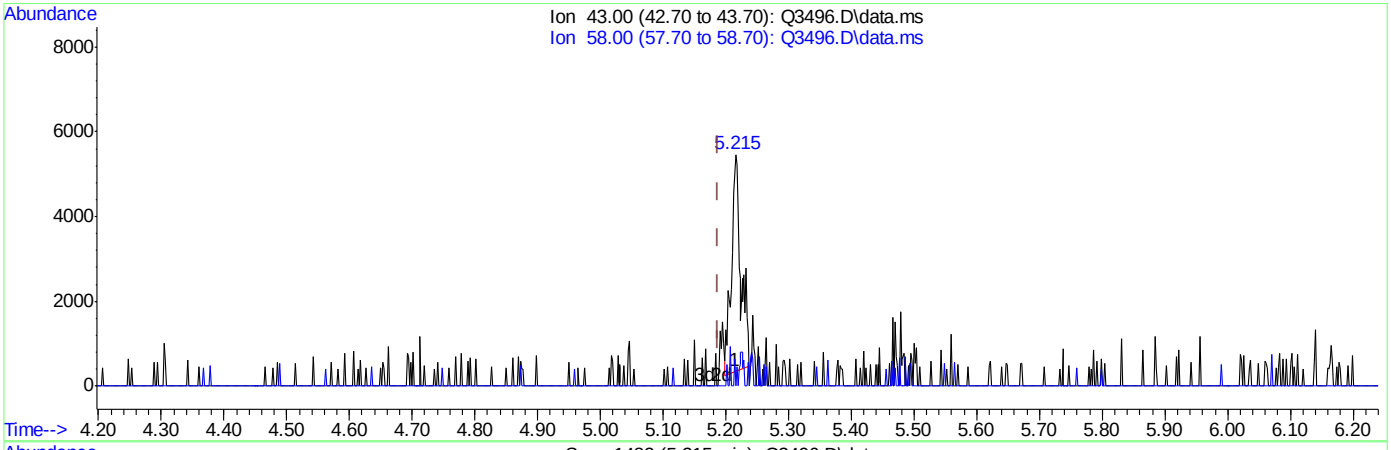
6.5.1

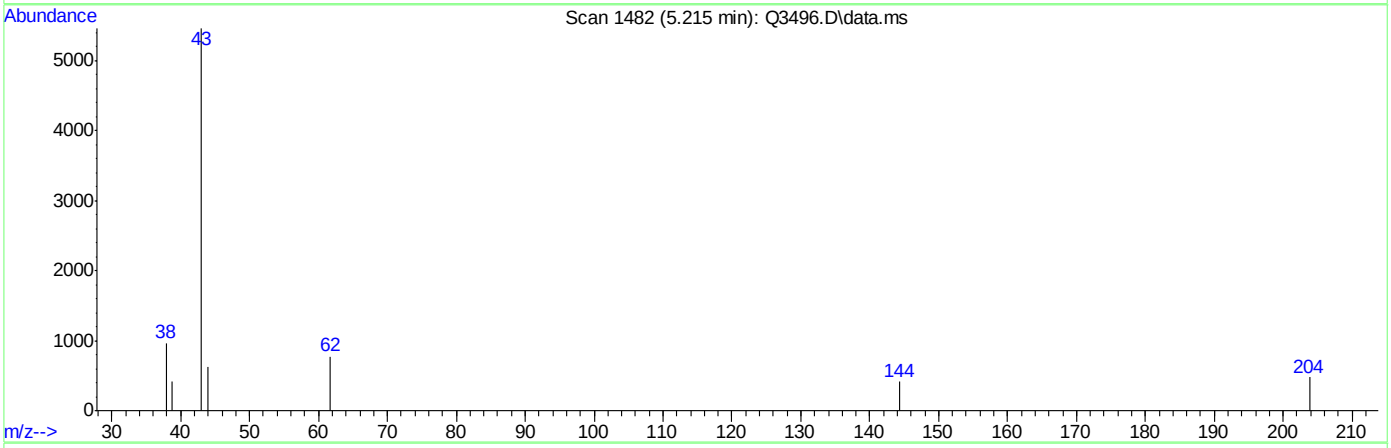
6

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3496.D
Acq On : 22 May 2007 9:31 pm
Operator : PhilipB
Sample : M64897-22 (M092)
Misc : MS13602,MSQ190,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 23 09:46:14 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:36:34 2007
Response via : Initial Calibration





TIC: Q3496.D\data.ms

(12) ACETONE (m)

5.215min (+0.027) 0.17PPBV

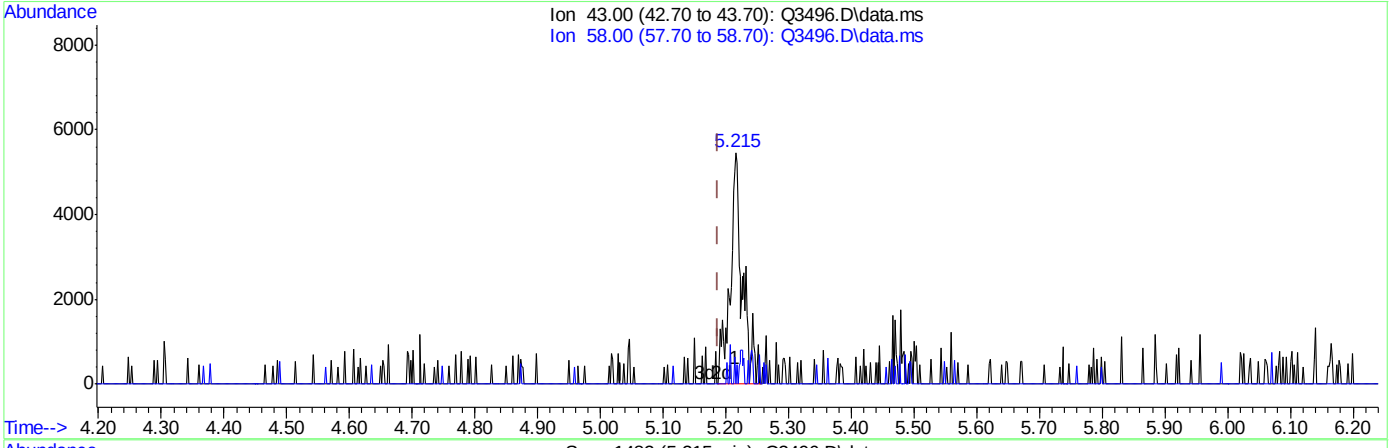
response 5456

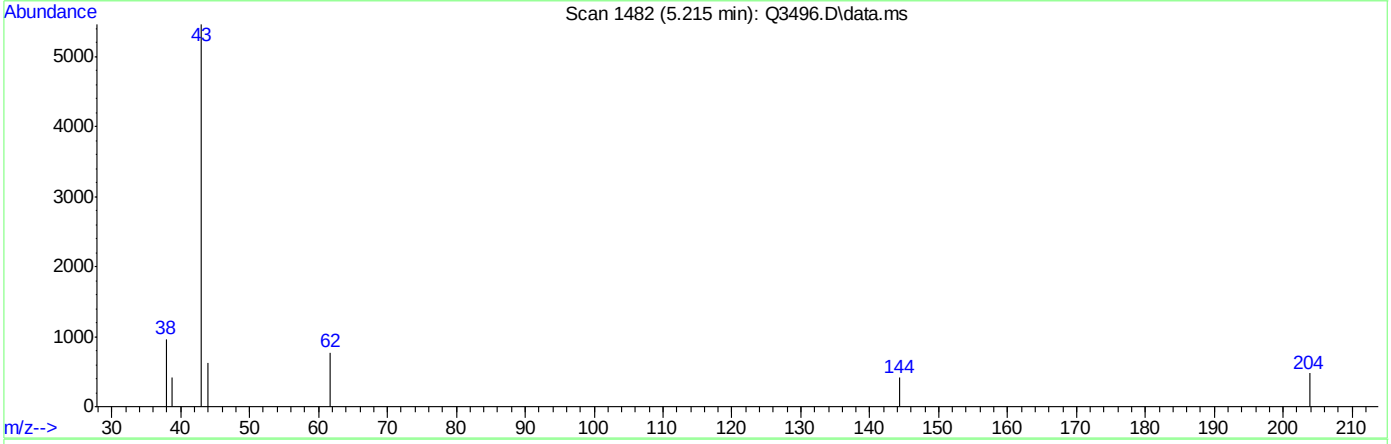
Ion	Exp%	Act%
43.00	100	100
58.00	0.30	7.86
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3496.D
Acq On : 22 May 2007 9:31 pm
Operator : PhilipB
Sample : M64897-22 (M092)
Misc : MS13602,MSQ190,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 23 09:46:14 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:36:34 2007
Response via : Initial Calibration





TIC: Q3496.D\data.ms

(12) ACETONE (m)

5.215min (+0.027) 0.23PPBV m

response 7576

Ion	Exp%	Act%
43.00	100	100
58.00	0.30	5.66
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations
APPROVED
(compounds with "m" flag)
Doug Yargeau
06/04/07 12:04

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3607.D
Acq On : 2 Jun 2007 4:23 am
Operator : PhilipB
Sample : Cert-10 (M074)
Misc : MS13676, MSQ195,,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 04 11:04:41 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 31 09:26:17 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.433	128	25384	10.00	PPBV	0.01
35) 1,4-DIFLUOROBENZENE	10.349	114	133051	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.698	117	115450	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.330	95	61370	4.54	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 90.80%

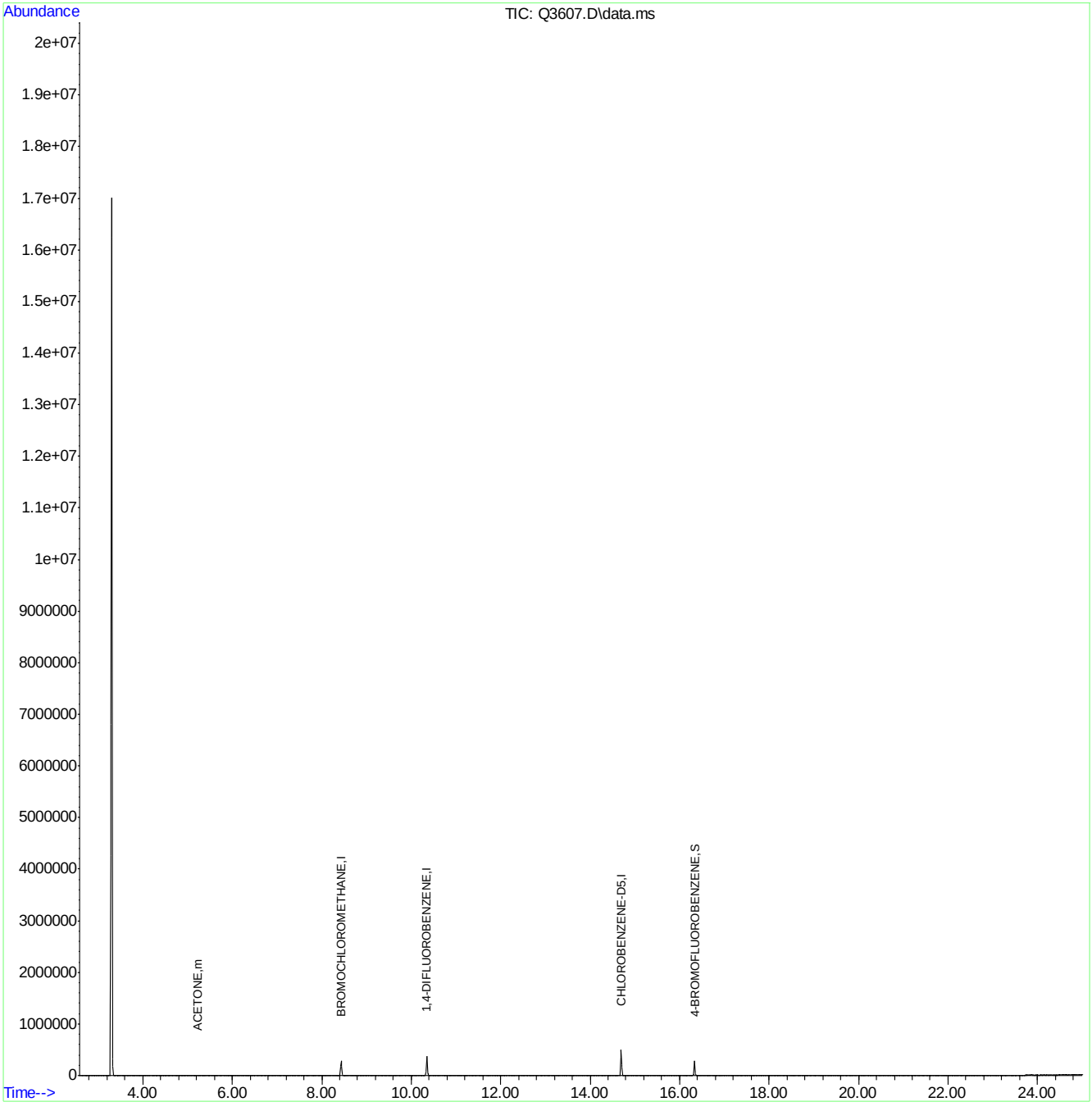
Target Compounds						Qvalue
12) ACETONE	5.233	43	4660m	0.33	PPBV	

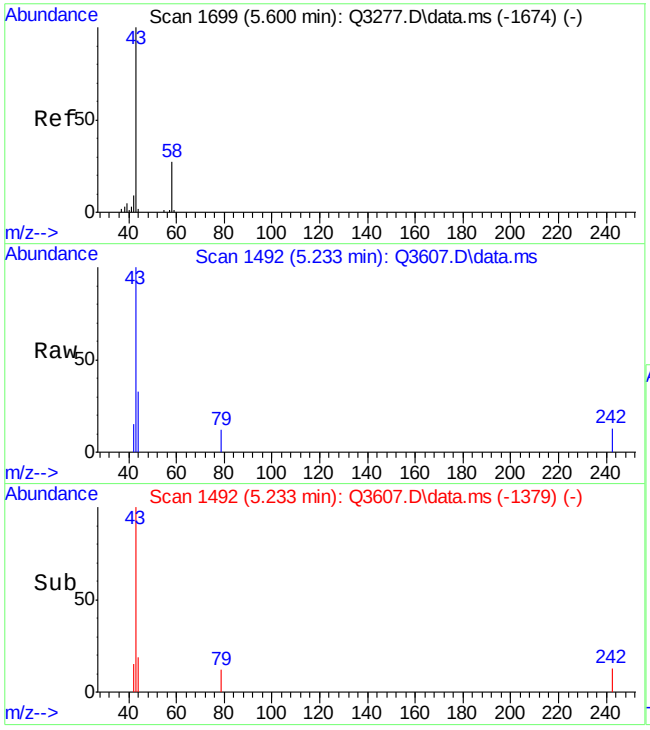
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3607.D
Acq On : 2 Jun 2007 4:23 am
Operator : PhilipB
Sample : Cert-10 (M074)
Misc : MS13676, MSQ195,,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 04 11:04:41 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 31 09:26:17 2007
Response via : Initial Calibration

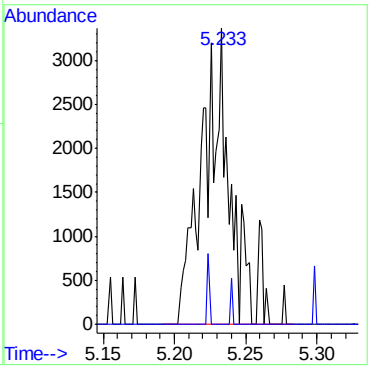




#12
ACETONE
Concen: 0.33 PPBV m
RT: 5.233 min Scan# 1492
Delta R.T. 0.045 min
Lab File: Q3607.D
Acq: 2 Jun 2007 4:23 am

Tgt Ion: 43 Resp: 4660

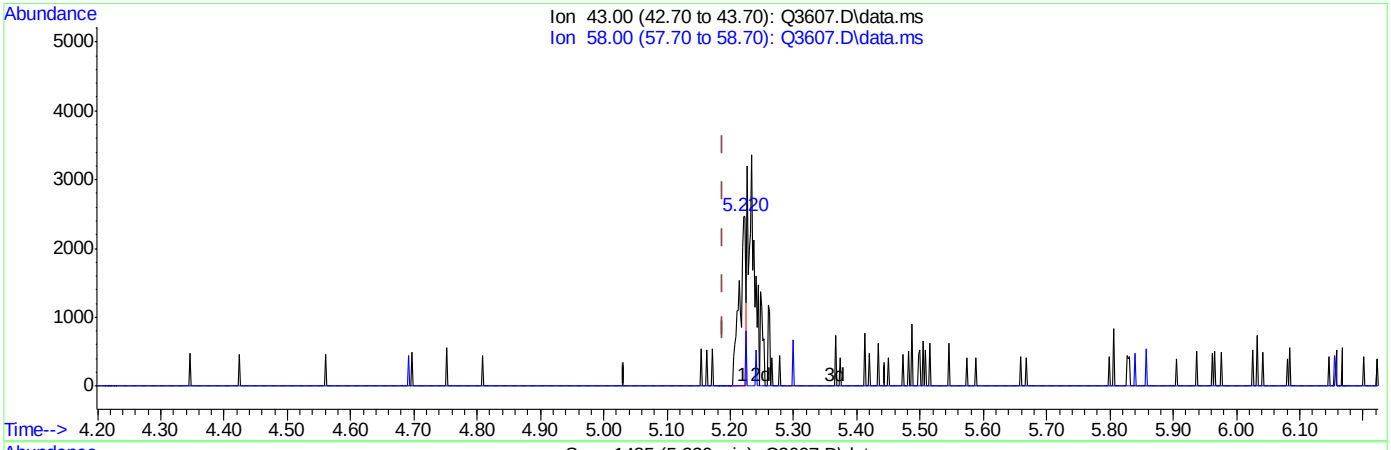
Ion	Ratio	Lower	Upper
43	100		
58	0.0	0.0	20.3

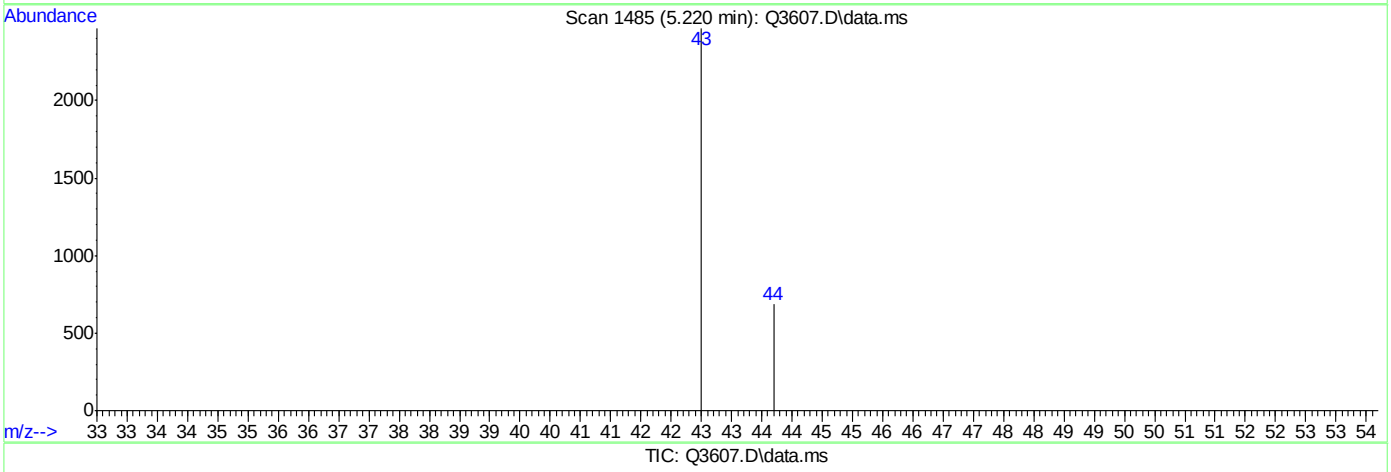


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3607.D
Acq On : 2 Jun 2007 4:23 am
Operator : PhilipB
Sample : Cert-10 (M074)
Misc : MS13676, MSQ195,,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 04 09:36:09 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 31 09:26:17 2007
Response via : Initial Calibration





(12) ACETONE (m)

5.220min (+0.032) 0.12PPBV

response 1656

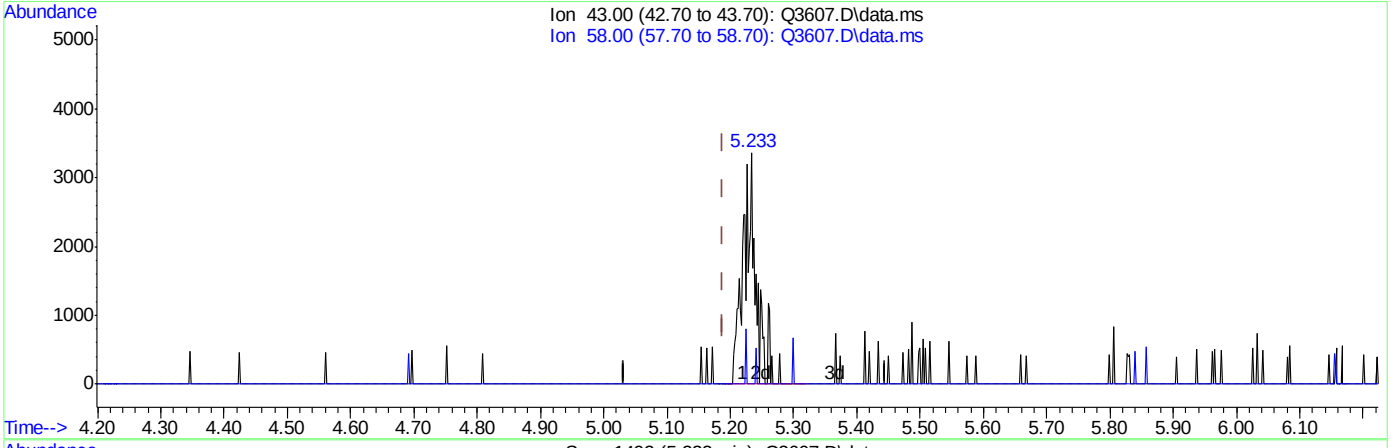
Ion	Exp%	Act%
43.00	100	100
58.00	0.30	5.19
0.00	0.00	0.00
0.00	0.00	0.00

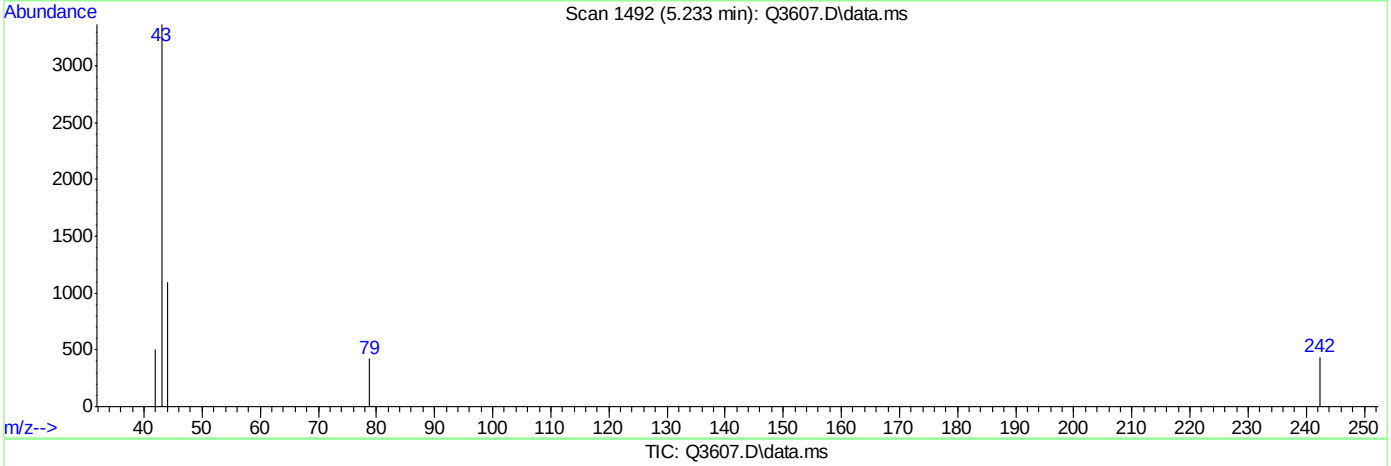
ACCUTEST Laboratories M65503

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3607.D
Acq On : 2 Jun 2007 4:23 am
Operator : PhilipB
Sample : Cert-10 (M074)
Misc : MS13676, MSQ195,,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 04 09:36:09 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 31 09:26:17 2007
Response via : Initial Calibration





TIC: Q3607.D\data.ms

(12) ACETONE (m)

5.233min (+0.045) 0.33PPBV m

response 4660

Ion	Exp%	Act%
43.00	100	100
58.00	0.30	1.85
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10642.D
Acq On : 14 Jun 2007 10:10 am
Operator : danat
Sample : cp431 (m127)
Misc : MS13724, MSJ551,,,,,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 16 12:33:00 2007
Quant Method : C:\MSDCHEM\1\METHODS\J060707T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jun 12 11:28:25 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.61	128	457053	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.43	114	1901732	10.00	PPBV	-0.02
49) CHLOROBENZENE-D5	14.66	117	1617026	10.00	PPBV	-0.02

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.28	95	466856	4.76	PPBV	-0.02

Spiked Amount 5.000 Range 51 - 142 Recovery = 95.20%

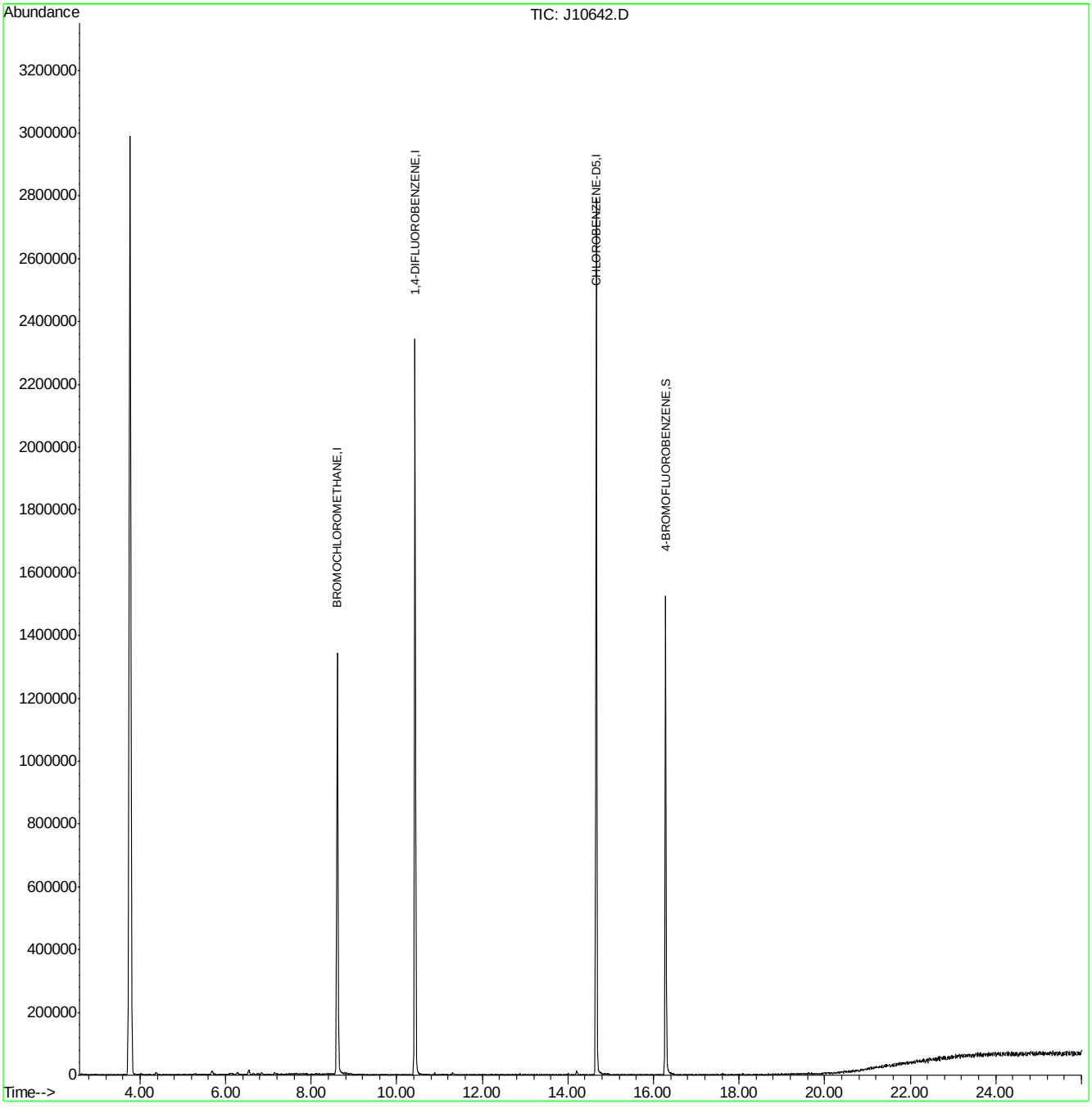
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10642.D
Acq On : 14 Jun 2007 10:10 am
Operator : danat
Sample : cp431 (m127)
Misc : MS13724, MSJ551,,,,,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 16 12:33:00 2007
Quant Method : C:\MSDCHEM\1\METHODS\J060707T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jun 12 11:28:25 2007
Response via : Initial Calibration



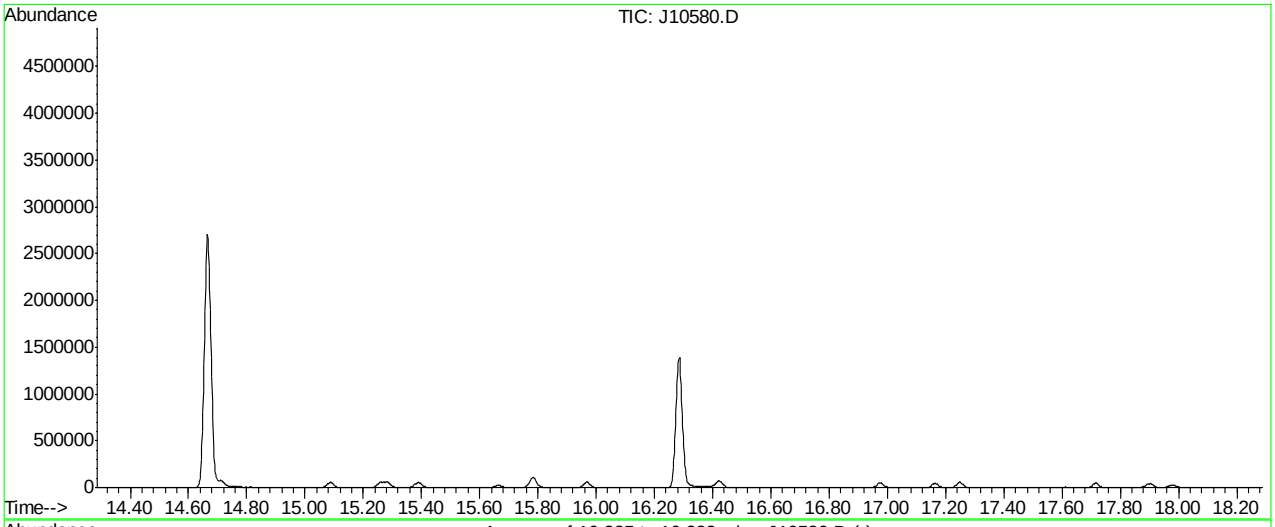
J060707T.M Sat Jun 16 12:33:09 2007 Page: 2

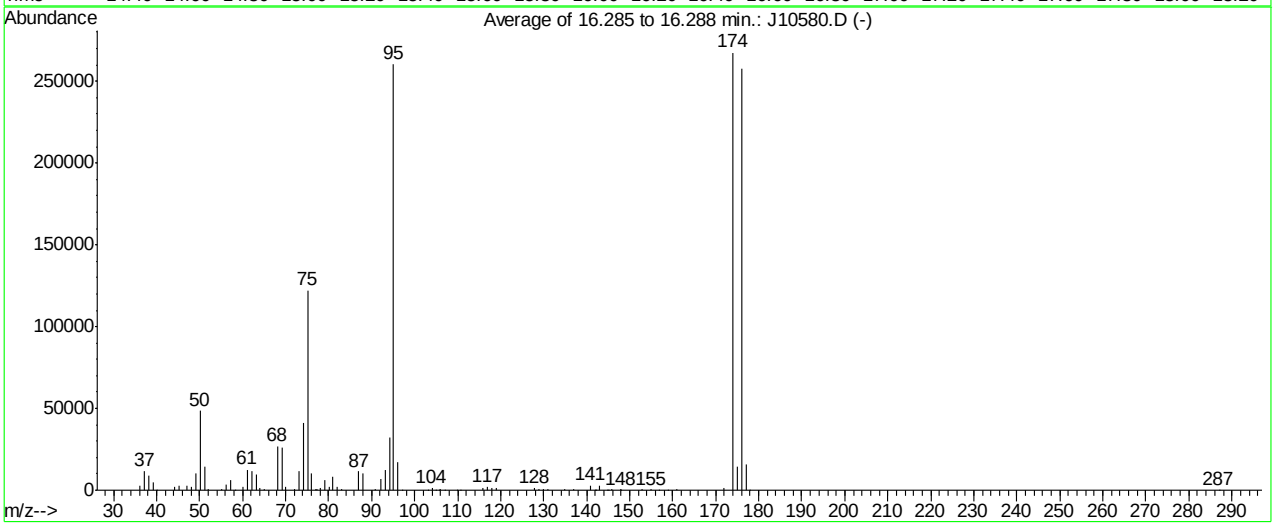
BFB

Data File : C:\MSDChem\1\data\J10580.D
Acq On : 7 Jun 2007 9:39 am
Sample : ic548-0.5 (m122)
Misc : MS13684, MSJ548,,,,,1
MS Integration Params: LSCINT.P

Vial: 1
Operator: danat
Inst : MSJ
Multiplr: 1.00

Method : C:\MSDCHEM\1\METHODS\J060707T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um





AutoFind: Scans 7734, 7735, 7736; Background Corrected with Scan 7710

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	18.6	48352	PASS
75	95	30	66	46.9	122221	PASS
95	95	100	100	100.0	260629	PASS
96	95	5	9	6.7	17365	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	102.7	267626	PASS
175	174	4	9	5.3	14306	PASS
176	174	93	101	96.4	257984	PASS
177	176	5	9	6.0	15568	PASS

J10580.D J060707T.M Thu Jun 07 16:48:01 2007

Average of 16.285 to 16.288 min.: J10580.D
ic548-0.5 (m122)
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.20	2608	51.15	14484	65.15	1022	77.95	1204
37.15	11709	52.10	699	68.10	26978	79.00	6421
38.15	9158	55.05	645	69.10	26045	80.05	1992
39.15	4484	56.10	3485	70.10	1830	81.00	8428
39.95	324	57.10	6430	72.15	1005	82.00	1995
44.10	2108	58.20	212	73.10	11782	83.10	563
45.10	2549	60.15	2335	74.10	40872	87.05	11359
47.05	2506	61.10	12416	75.10	122221	88.00	10249
48.15	1792	62.10	11618	76.10	10627	90.95	1022
49.15	10215	63.10	9352	77.05	891	92.05	6981
50.10	48352	64.05	1202	77.30	520	93.10	12161

Average of 16.285 to 16.288 min.: J10580.D
ic548-0.5 (m122)
Modified:subtracted

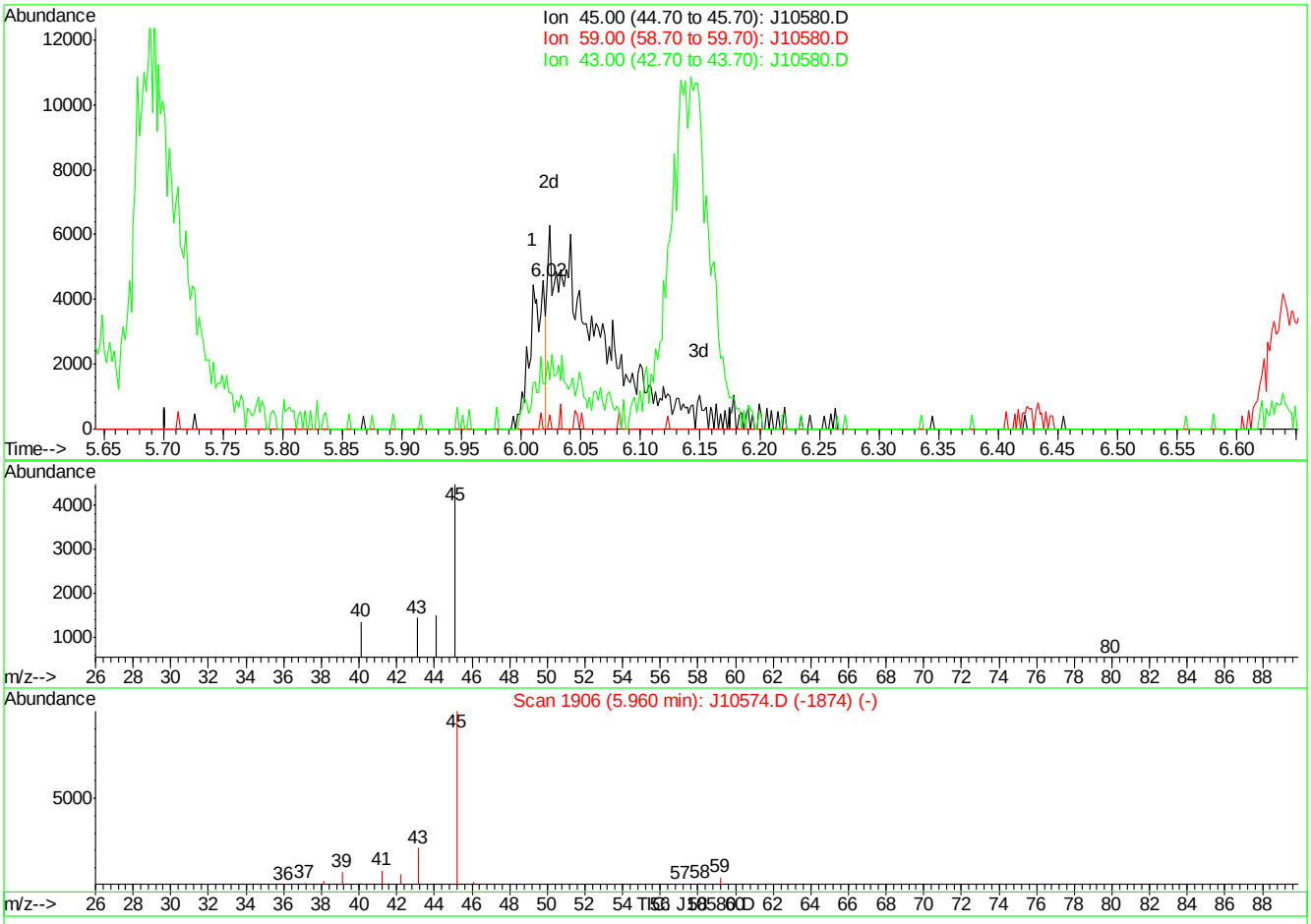
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
94.15	32104	110.70	174	141.00	3045	156.90	219
95.10	260629	115.95	1179	141.90	279	158.80	264
96.10	17365	117.00	1816	142.20	235	160.85	416
97.00	283	117.90	1249	143.00	2549	171.95	1539
103.10	147	119.00	1661	144.70	239	174.00	267626
104.00	1196	127.90	1274	145.00	348	175.00	14306
104.95	298	128.90	404	145.95	593	176.00	257984
105.70	220	129.95	886	147.80	274	177.00	15568
106.00	735	130.85	579	147.95	580	177.90	185
106.90	204	134.95	371	152.90	372	287.00	157
109.80	146	137.00	640	155.00	631		

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10580.D Vial: 1
Acq On : 7 Jun 2007 9:39 am Operator: danat
Sample : ic548-0.5 (m122) Inst : MSJ
Misc : MS13684, MSJ548,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 07 10:11:17 2007 Results File: J060707T.RES

Method : C:\MSDCHEM\1\METHODS\J060707T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jun 07 10:11:07 2007
Response via : Multiple Level Calibration



(11) ISOPROPYL ALCOHOL (m)

6.01min 0.09PPBV

response 3923

Ion	Exp%	Act%
45.00	100	100
59.00	4.40	0.00
43.00	21.90	32.31
0.00	0.00	0.00

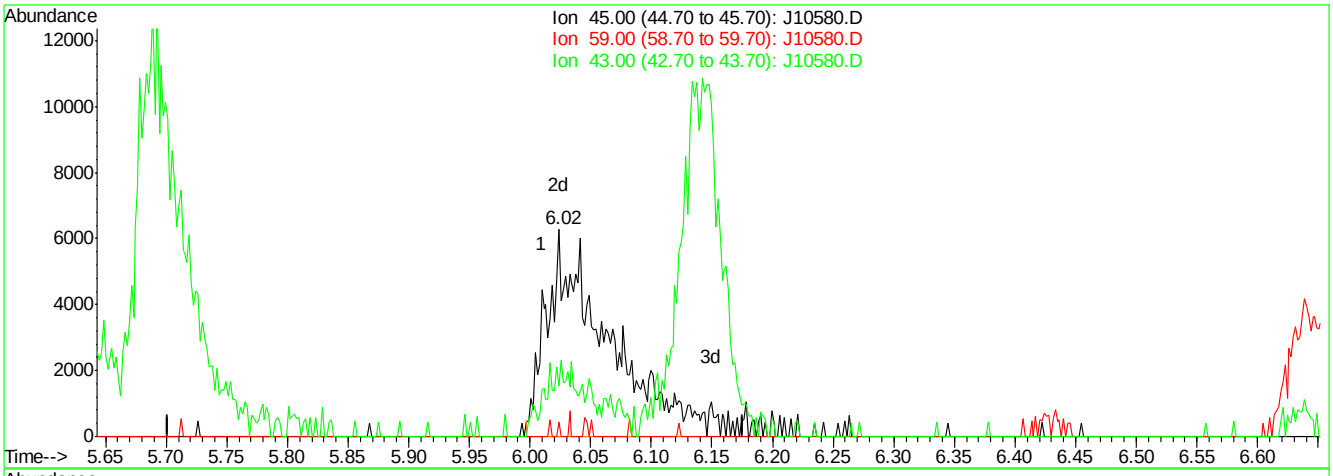
J10580.D J060707T.M Thu Jun 07 10:11:50 2007

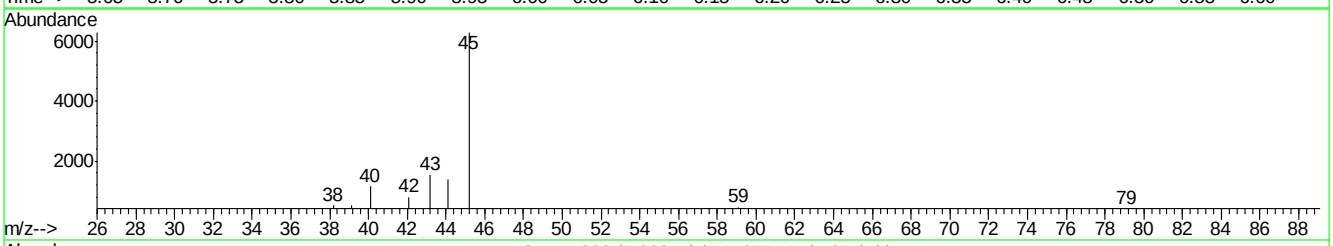
Quantitation Report (Qedit)

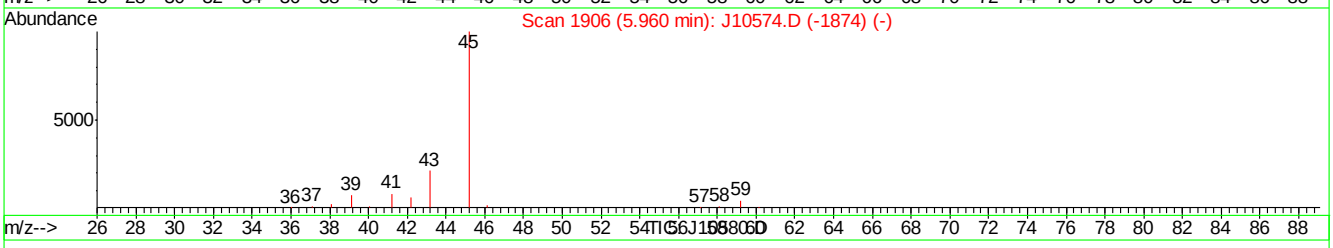
Data File : C:\MSDChem\1\data\J10580.D Vial: 1
Acq On : 7 Jun 2007 9:39 am Operator: danat
Sample : ic548-0.5 (m122) Inst : MSJ
Misc : MS13684, MSJ548,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 07 10:11:17 2007 Results File: J060707T.RES

Method : C:\MSDCHEM\1\METHODS\J060707T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jun 07 10:11:07 2007
Response via : Multiple Level Calibration







(11) ISOPROPYL ALCOHOL (m)

6.02min 0.49PPBV m

response 21552

Ion	Exp%	Act%
45.00	100	100
59.00	4.40	7.28
43.00	21.90	24.31
0.00	0.00	0.00

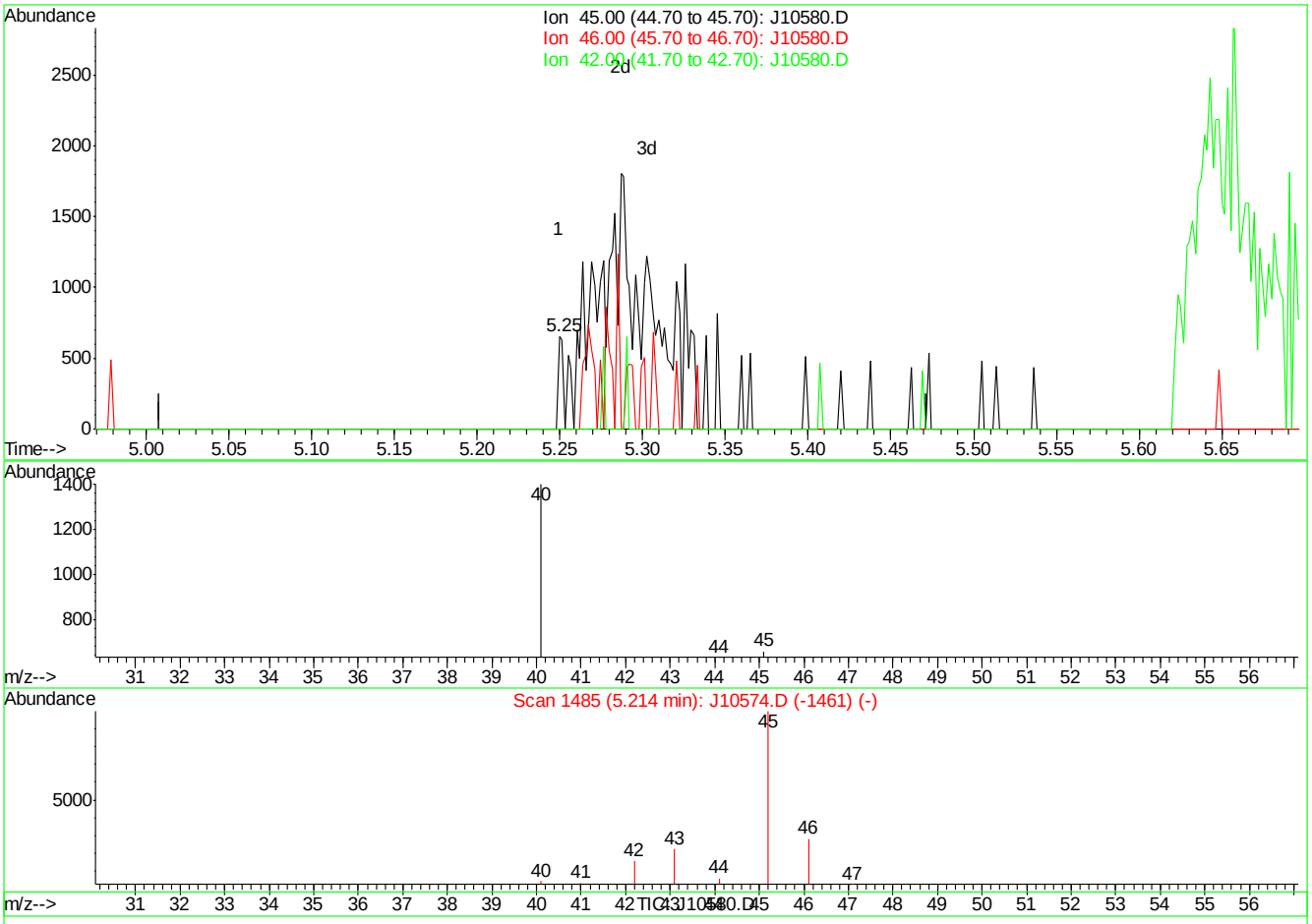
J10580.D J060707T.M Thu Jun 07 10:11:59 2007

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10580.D Vial: 1
Acq On : 7 Jun 2007 9:39 am Operator: danat
Sample : ic548-0.5 (m122) Inst : MSJ
Misc : MS13684, MSJ548,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 07 10:11:17 2007 Results File: J060707T.RES

Method : C:\MSDCHEM\1\METHODS\J060707T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jun 07 10:11:07 2007
Response via : Multiple Level Calibration



(16) ETHANOL (m)

5.25min 0.03PPBV

response 238

Ion	Exp%	Act%
45.00	100	100
46.00	30.00	142.86#
42.00	6.30	0.00
0.00	0.00	0.00

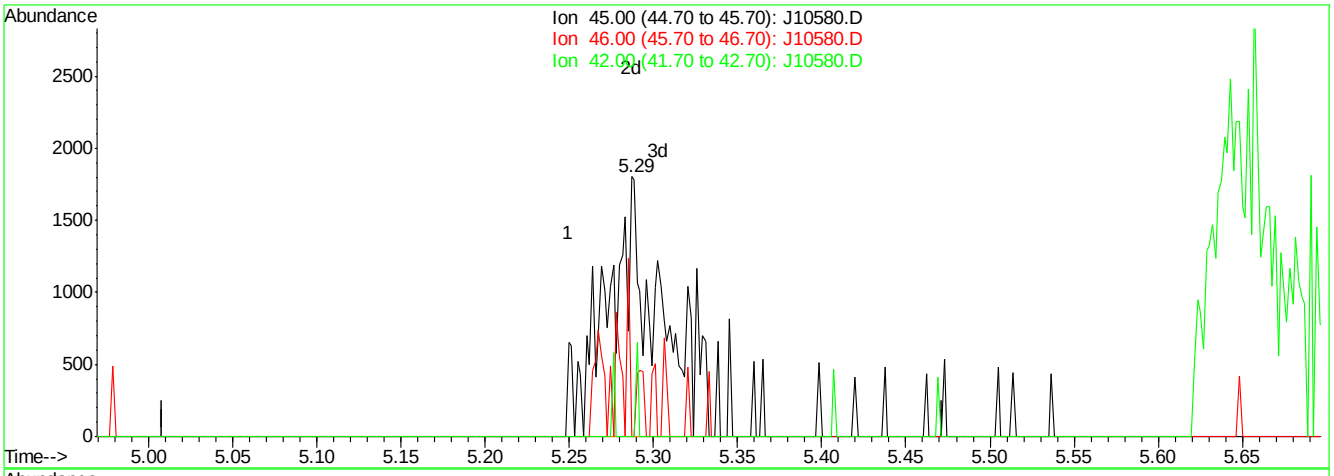
J10580.D J060707T.M Thu Jun 07 10:12:08 2007

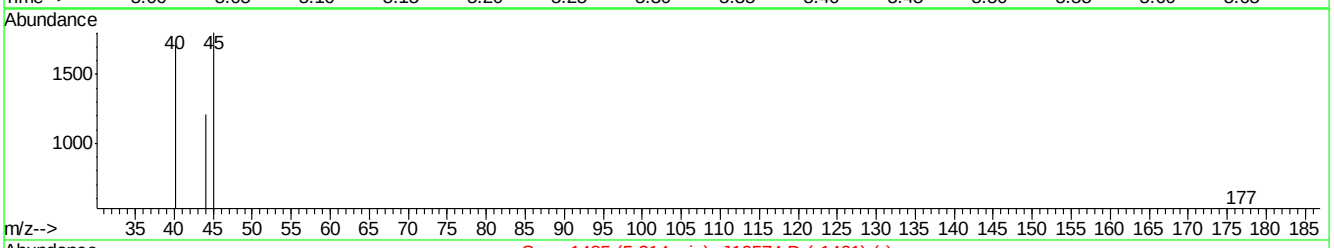
Quantitation Report (Qedit)

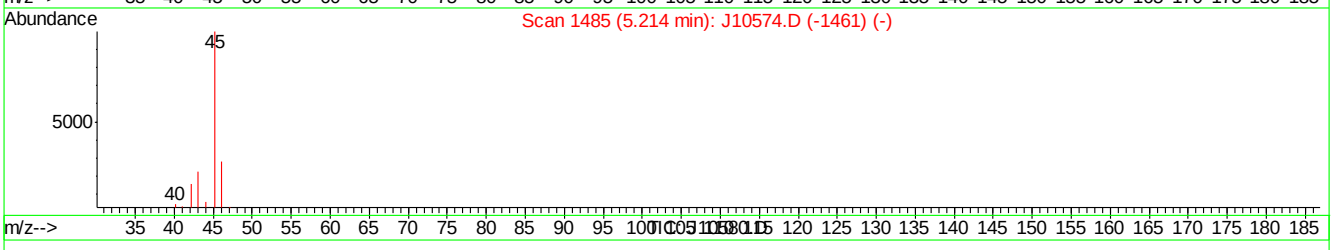
Data File : C:\MSDChem\1\data\J10580.D Vial: 1
Acq On : 7 Jun 2007 9:39 am Operator: danat
Sample : ic548-0.5 (m122) Inst : MSJ
Misc : MS13684, MSJ548,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 07 10:11:17 2007 Results File: J060707T.RES

Method : C:\MSDCHEM\1\METHODS\J060707T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jun 07 10:11:07 2007
Response via : Multiple Level Calibration







(16) ETHANOL (m)

5.29min 0.41PPBV m

response 3465

Ion	Exp%	Act%
45.00	100	100
46.00	30.00	9.81#
42.00	6.30	0.00
0.00	0.00	0.00

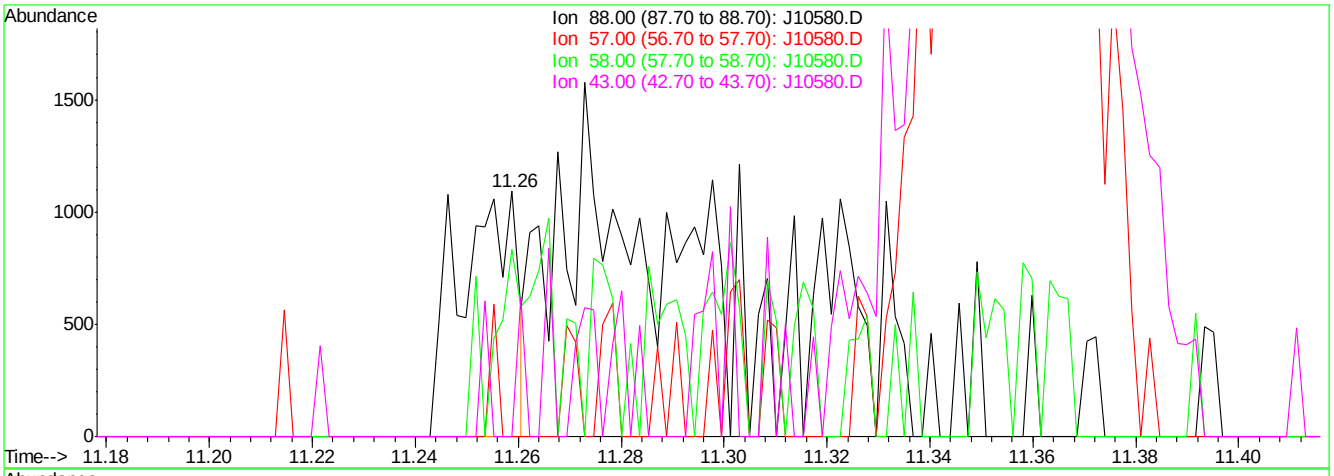
J10580.D J060707T.M Thu Jun 07 10:12:17 2007

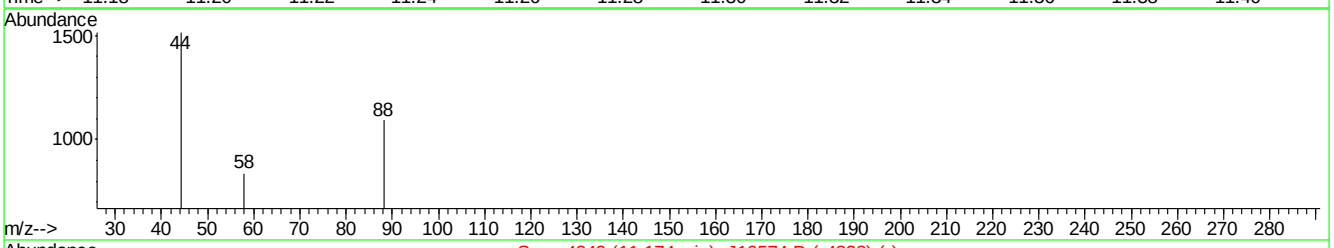
Quantitation Report (Qedit)

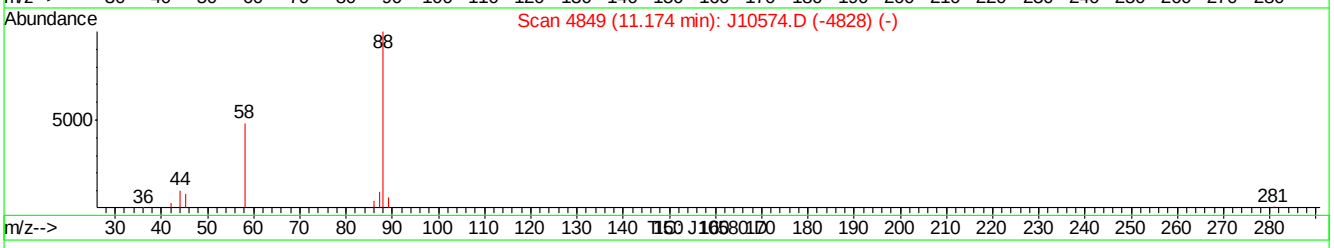
Data File : C:\MSDChem\1\data\J10580.D Vial: 1
Acq On : 7 Jun 2007 9:39 am Operator: danat
Sample : ic548-0.5 (m122) Inst : MSJ
Misc : MS13684, MSJ548,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 07 10:11:17 2007 Results File: J060707T.RES

Method : C:\MSDCHEM\1\METHODS\J060707T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jun 07 10:11:07 2007
Response via : Multiple Level Calibration







(42) 1,4-DIOXANE (m)

11.26min 0.06PPBV

response 847

Ion	Exp%	Act%
88.00	100	100
57.00	23.80	0.00#
58.00	57.70	76.56
43.00	25.00	0.00#

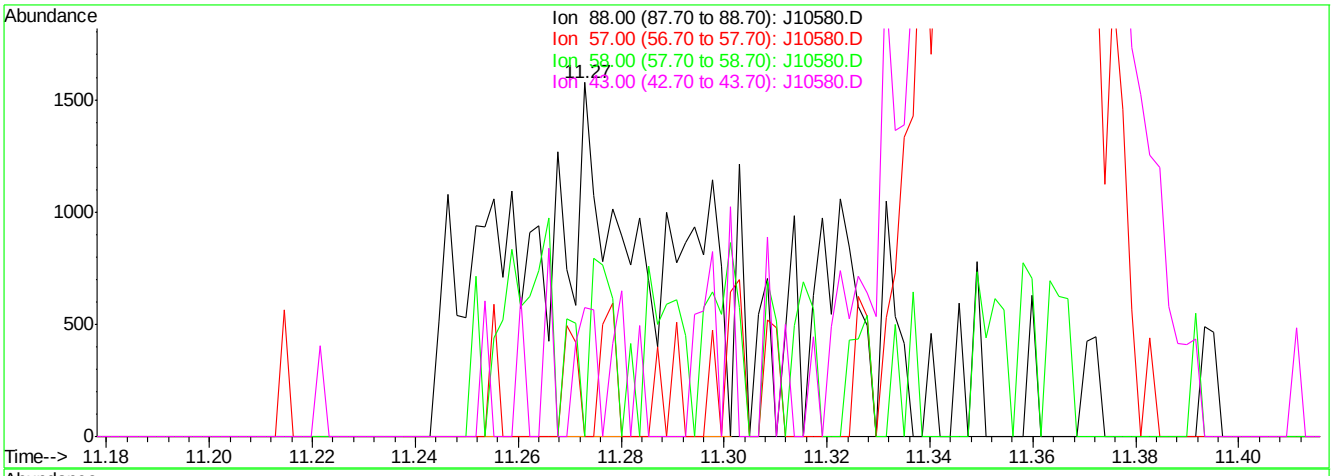
J10580.D J060707T.M Thu Jun 07 10:12:45 2007

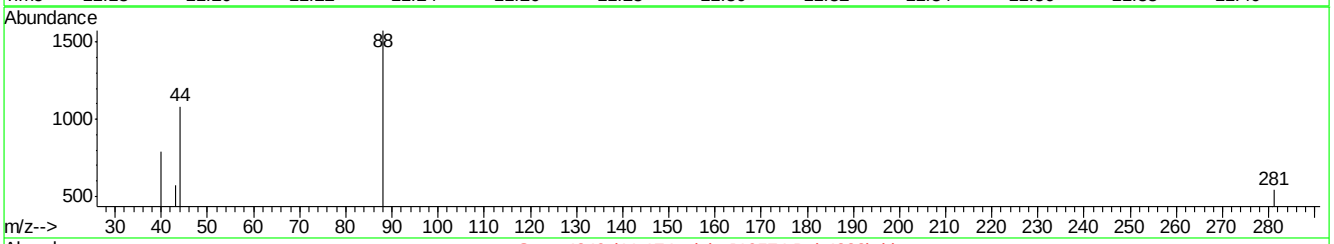
Quantitation Report (Qedit)

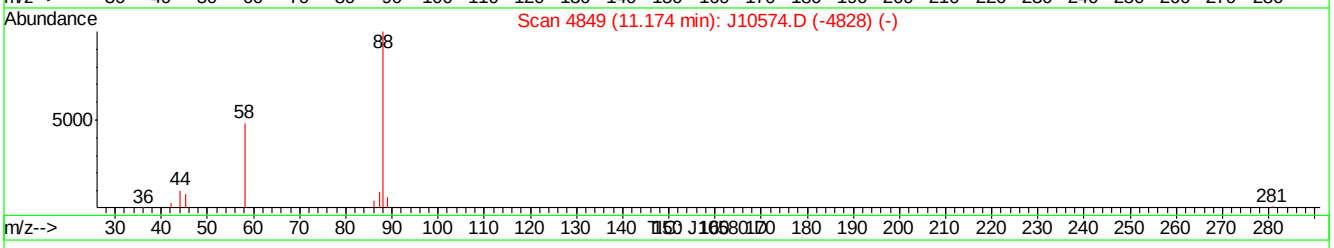
Data File : C:\MSDChem\1\data\J10580.D Vial: 1
Acq On : 7 Jun 2007 9:39 am Operator: danat
Sample : ic548-0.5 (m122) Inst : MSJ
Misc : MS13684, MSJ548,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 07 10:11:17 2007 Results File: J060707T.RES

Method : C:\MSDCHEM\1\METHODS\J060707T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jun 07 10:11:07 2007
Response via : Multiple Level Calibration







(42) 1,4-DIOXANE (m)

11.27min 0.21PPBV m

response 2900

Ion	Exp%	Act%
88.00	100	100
57.00	23.80	0.00#
58.00	57.70	0.00#
43.00	25.00	36.29

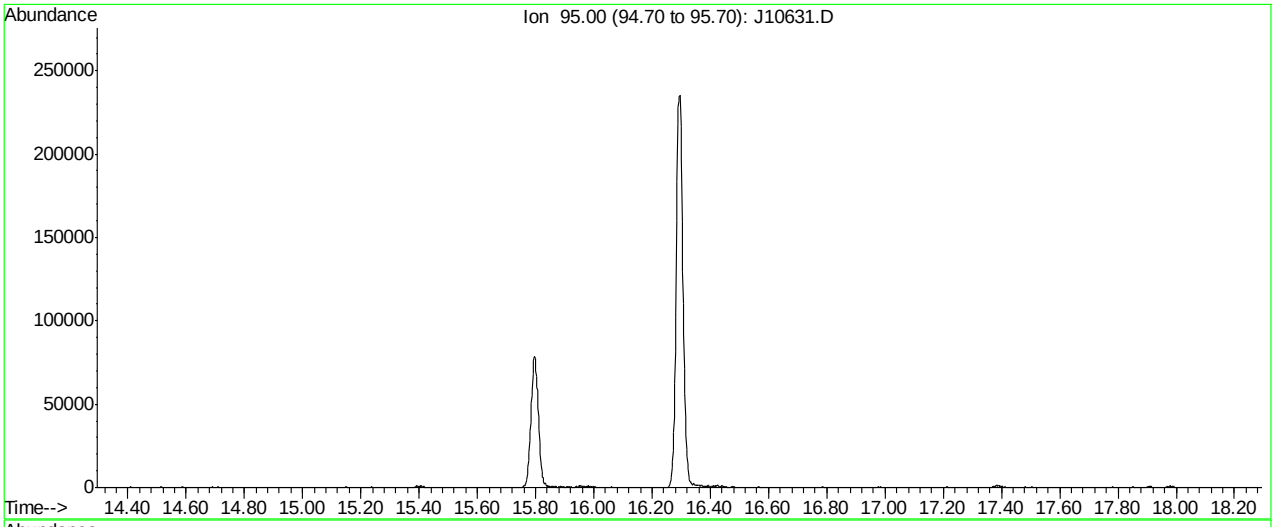
J10580.D J060707T.M Thu Jun 07 10:12:52 2007

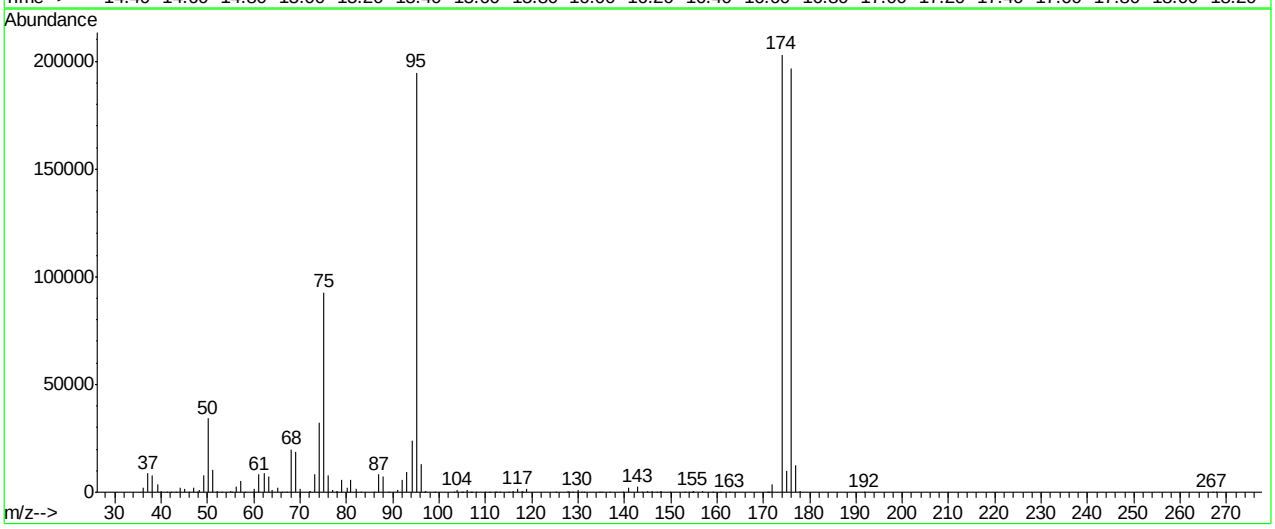
BFB

Data File : C:\MSDChem\1\data\J10631.D
Acq On : 13 Jun 2007 11:00 am
Sample : cc548-10 (m057)
Misc : MS13724, MSJ551,,,,,1
MS Integration Params: LSCINT.P

Vial: 1
Operator: danat
Inst : MSJ
Multiplr: 1.00

Method : C:\MSDCHEM\1\METHODS\J060707T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um





Spectrum Information: Average of 16.283 to 16.306 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	17.6	34298	PASS
75	95	30	66	47.6	92813	PASS
95	95	100	100	100.0	194858	PASS
96	95	5	9	6.7	13039	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	104.3	203158	PASS
175	174	4	9	4.8	9689	PASS
176	174	93	101	96.9	196824	PASS
177	176	5	9	6.4	12526	PASS

J10631.D J060707T.M Fri Jun 15 14:47:21 2007

Average of 16.283 to 16.306 min.: J10631.D
cc548-10 (m057)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.20	1993	47.10	2001	57.15	5186	69.10	18884
37.15	8707	47.85	166	58.05	65	70.05	1634
38.15	7826	48.15	1000	60.05	1627	71.85	93
39.15	3893	49.15	7911	61.10	8271	72.10	719
40.10	742	50.10	34298	62.15	8760	73.10	8435
41.10	32	51.15	10415	63.10	7318	74.10	32122
42.20	30	52.10	449	64.05	971	75.10	92813
43.25	69	53.10	91	65.15	2253	76.10	7975
44.10	2001	55.00	410	66.15	134	77.10	1123
45.15	1547	55.25	87	67.10	139	77.70	37
46.15	91	56.10	2641	68.10	20002	78.05	681

Average of 16.283 to 16.306 min.: J10631.D
cc548-10 (m057)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
79.00	5819	93.05	9272	105.95	903	117.05	1413
80.05	1976	94.10	23919	106.90	50	117.95	765
81.00	5688	95.10	194858	107.10	29	118.20	67
82.05	1625	96.10	13039	107.90	41	119.00	1405
82.95	134	96.80	35	109.90	61	125.10	36
85.85	193	97.10	286	111.00	31	127.90	754
87.05	8175	99.10	34	112.05	160	128.05	150
88.00	7310	103.05	116	112.40	34	128.90	220
89.10	36	103.95	1003	113.10	61	129.95	811
91.10	1172	104.90	35	114.90	74	130.85	248
92.05	5931	105.05	140	115.95	790	131.20	30

Average of 16.283 to 16.306 min.: J10631.D
cc548-10 (m057)

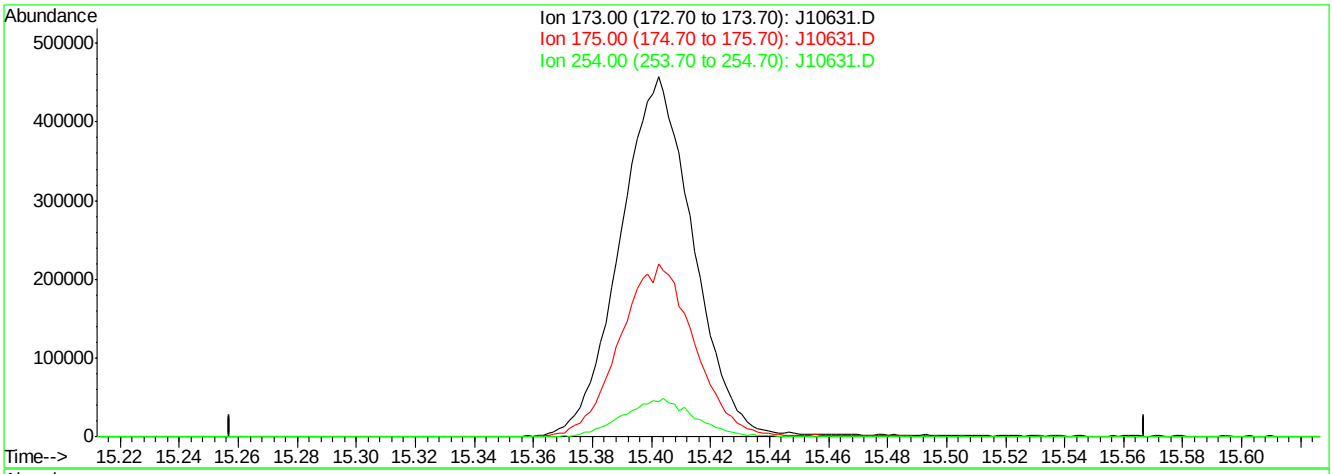
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
134.70	38	147.95	341	170.90	29		
135.00	166	149.80	41	171.20	54		
136.90	267	152.90	32	172.00	3410		
139.60	33	153.95	61	174.00	203158		
140.95	2007	154.70	36	175.05	9689		
142.95	2397	154.80	33	176.00	196824		
143.85	65	154.95	562	177.00	12526		
144.95	489	156.95	297	177.95	301		
145.90	367	158.95	185	191.80	29		
146.90	54	160.85	129	266.90	31		
147.80	150	162.70	31	267.70	28		

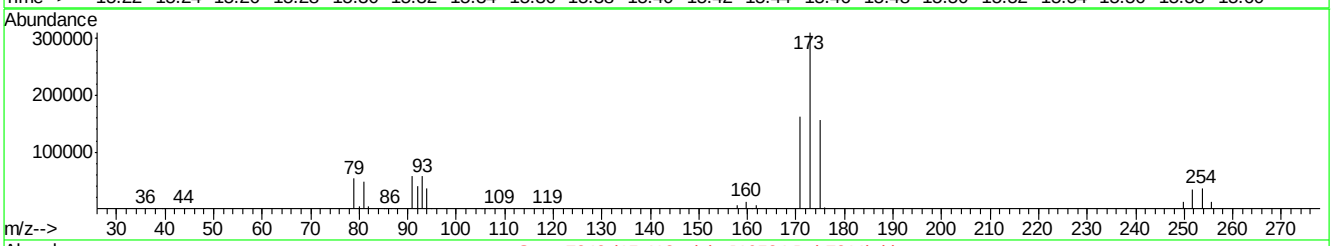
Quantitation Report (Qedit)

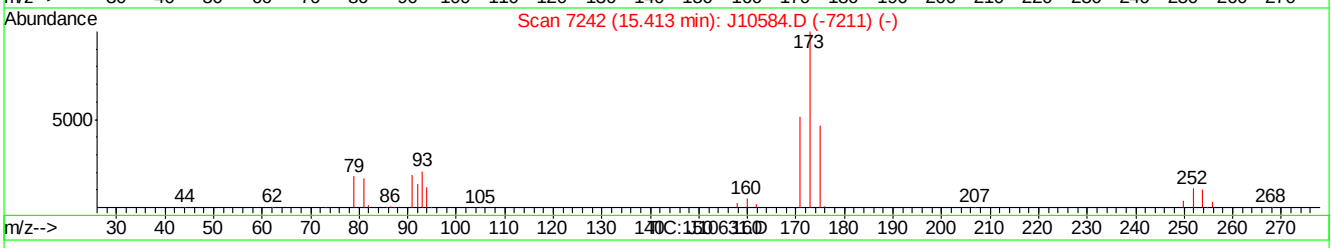
Data File : C:\MSDChem\1\data\J10631.D Vial: 1
Acq On : 13 Jun 2007 11:00 am Operator: danat
Sample : cc548-10 (m057) Inst : MSJ
Misc : MS13724, MSJ551,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 13 14:37:40 2007 Results File: J060707T.RES

Method : C:\MSDCHEM\1\METHODS\J060707T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jun 07 16:29:14 2007
Response via : Multiple Level Calibration







(60) BROMOFORM (m)

15.41min 0.00PPBV

response 0

Ion	Exp%	Act%
173.00	100	0.00
175.00	48.90	0.00#
254.00	10.20	0.00
0.00	0.00	0.00

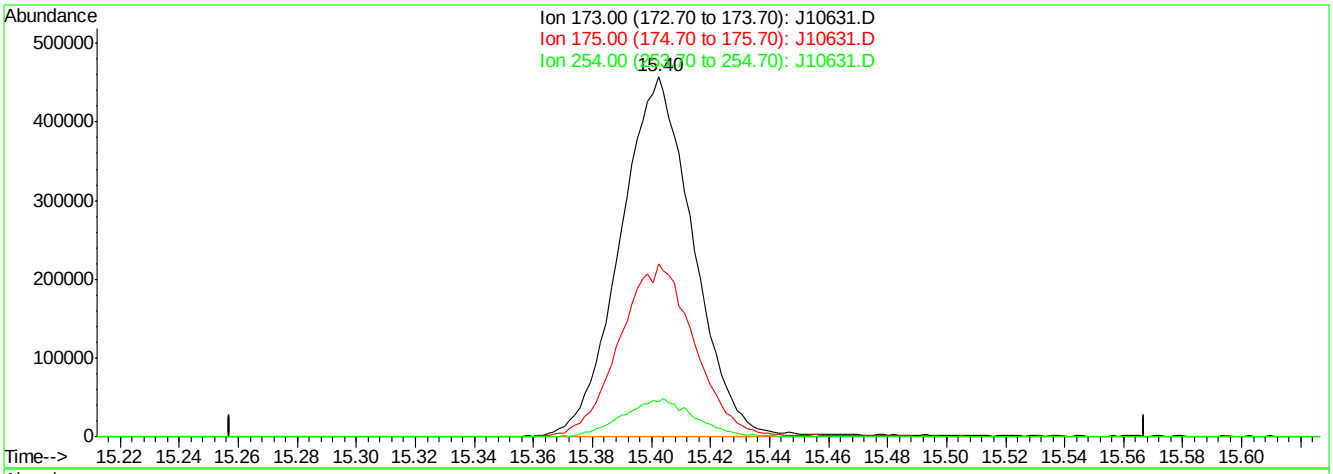
J10631.D J060707T.M Fri Jun 15 14:49:24 2007

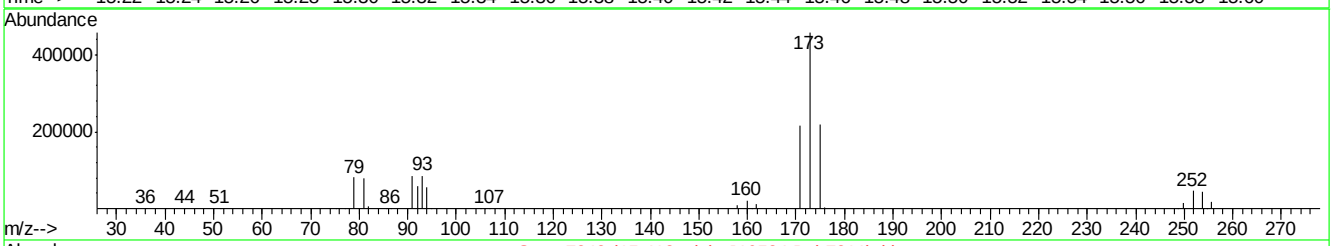
Quantitation Report (Qedit)

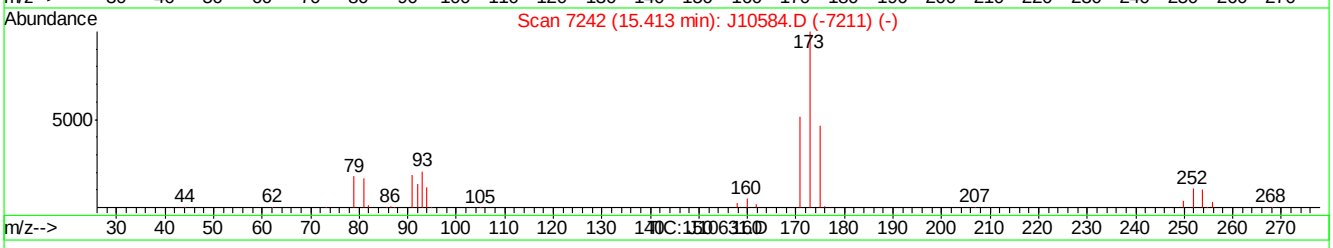
Data File : C:\MSDChem\1\data\J10631.D Vial: 1
Acq On : 13 Jun 2007 11:00 am Operator: danat
Sample : cc548-10 (m057) Inst : MSJ
Misc : MS13724, MSJ551,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 13 14:37:40 2007 Results File: J060707T.RES

Method : C:\MSDCHEM\1\METHODS\J060707T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jun 07 16:29:14 2007
Response via : Multiple Level Calibration







(60) BROMOFORM (m)

15.40min 9.00PPBV m

response 784462

Ion	Exp%	Act%
173.00	100	100
175.00	48.90	0.00#
254.00	10.20	0.00
0.00	0.00	0.00

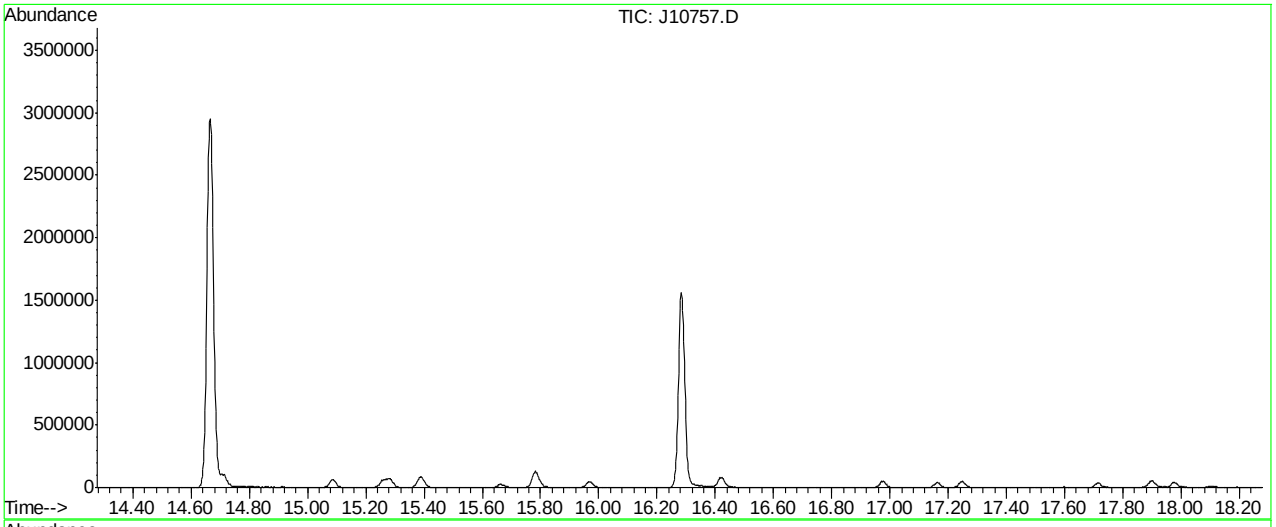
J10631.D J060707T.M Fri Jun 15 14:49:29 2007

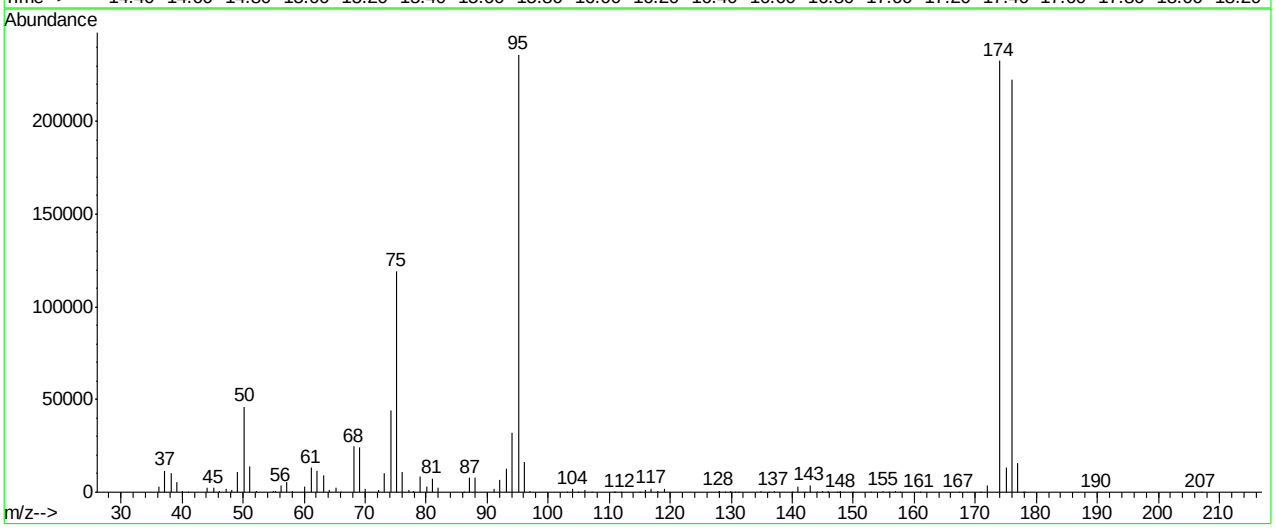
BFB

Data File : C:\MSDChem\1\data\J10757.D
Acq On : 25 Jun 2007 10:16 am
Sample : ic557-0.5 (m141)
Misc : MS13762, MSJ557,,,,,1
MS Integration Params: LSCINT.P

Vial: 2
Operator: danat
Inst : MSJ
Multiplr: 1.00

Method : C:\MSDCHEM\1\METHODS\J062507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um





Spectrum Information: Average of 16.276 to 16.279 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	19.5	46130	PASS
75	95	30	66	50.5	119232	PASS
95	95	100	100	100.0	236096	PASS
96	95	5	9	6.8	16112	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	98.5	232533	PASS
175	174	4	9	5.8	13538	PASS
176	174	93	101	95.6	222378	PASS
177	176	5	9	7.1	15745	PASS

J10757.D J062507T.M Mon Jun 25 10:47:52 2007

Average of 16.276 to 16.279 min.: J10757.D
ic557-0.5 (m141)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.15	3215	49.15	11179	62.15	11782	75.10	119232
37.20	11738	50.20	46130	63.15	9383	76.10	10981
38.20	10410	51.15	14066	64.10	1451	77.15	1196
39.15	5396	52.10	916	65.15	2661	77.90	837
40.10	583	55.00	337	66.00	286	79.00	8396
41.00	153	55.25	682	68.10	24546	80.05	3027
44.10	2217	56.15	3477	69.10	24173	81.00	7443
45.15	2401	57.15	5600	70.05	1760	82.00	2167
46.15	482	58.10	412	72.15	1297	86.10	161
47.15	1847	60.15	2790	73.15	10549	87.10	7842
48.15	1478	61.15	13170	74.15	44104	88.05	7588

Average of 16.276 to 16.279 min.: J10757.D
ic557-0.5 (m141)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
91.05	1557	107.10	138	129.00	260	144.00	156
92.10	6870	110.80	151	129.95	703	144.90	639
93.10	12991	111.00	151	130.70	146	145.80	425
94.15	32266	111.90	153	131.10	215	147.30	138
95.10	236096	115.00	216	134.95	408	147.80	207
96.10	16112	115.90	936	136.10	180	147.95	386
97.05	537	116.95	2135	137.00	745	149.85	311
103.00	138	117.95	903	140.00	147	152.80	139
104.05	1558	119.00	1691	140.95	3332	154.95	800
104.90	232	127.90	216	142.10	248	155.90	167
105.95	1142	128.05	892	142.95	3800	156.95	610

Average of 16.276 to 16.279 min.: J10757.D
ic557-0.5 (m141)

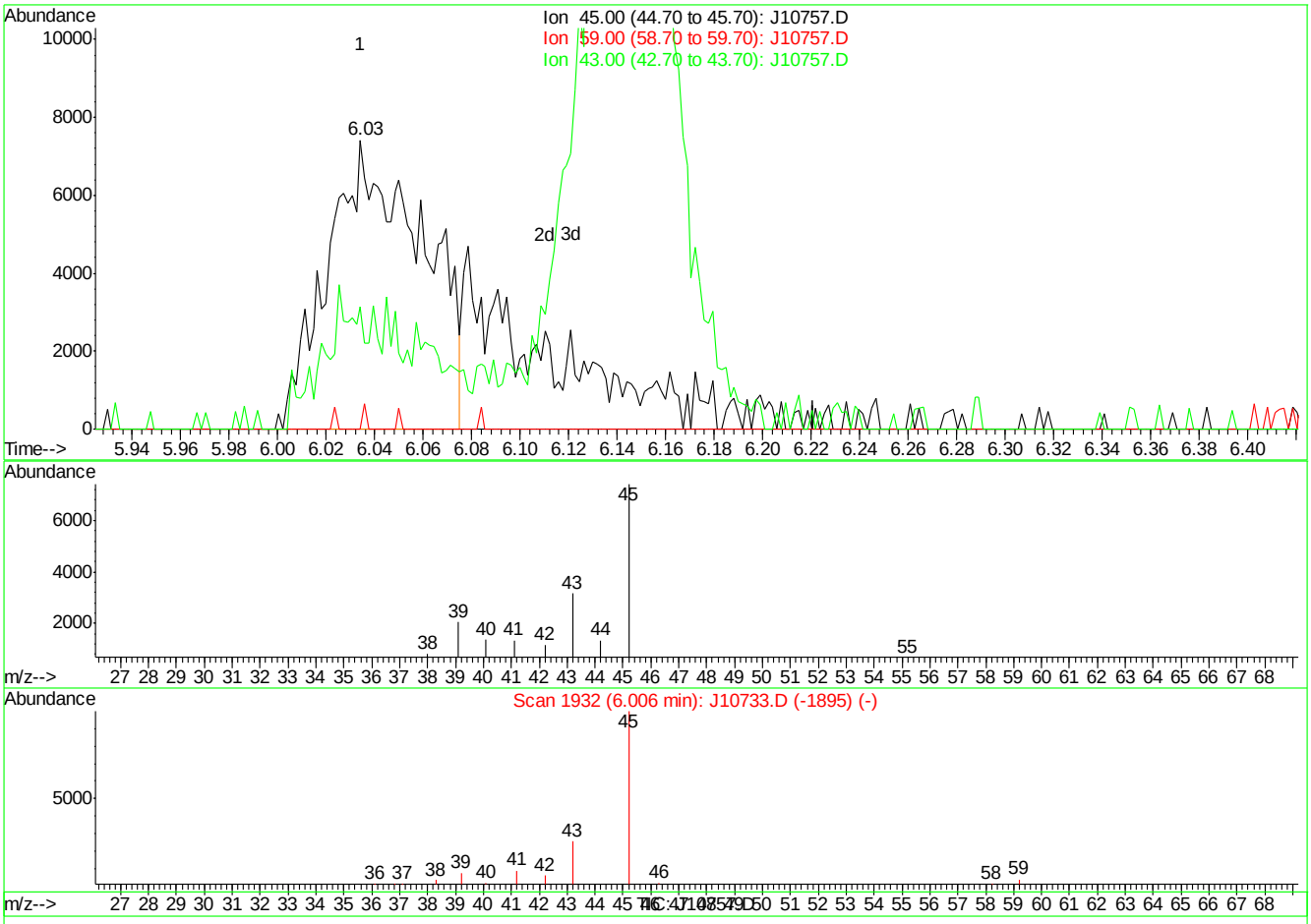
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
157.70	216	189.90	149				
160.90	252	207.00	144				
167.30	185						
170.90	169						
172.00	3719						
174.00	232533						
175.10	13538						
176.00	222378						
177.00	15745						
177.80	173						
178.10	138						

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10757.D Vial: 2
Acq On : 25 Jun 2007 10:16 am Operator: danat
Sample : ic557-0.5 (m141) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 25 10:46:29 2007 Results File: J062507T.RES

Method : C:\MSDCHEM\1\METHODS\J062507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Mon Jun 25 10:46:18 2007
Response via : Multiple Level Calibration



(11) ISOPROPYL ALCOHOL (m)

6.03min 0.43PPBV

response 20053

Ion	Exp%	Act%
45.00	100	100
59.00	3.70	0.00
43.00	25.20	42.54
0.00	0.00	0.00

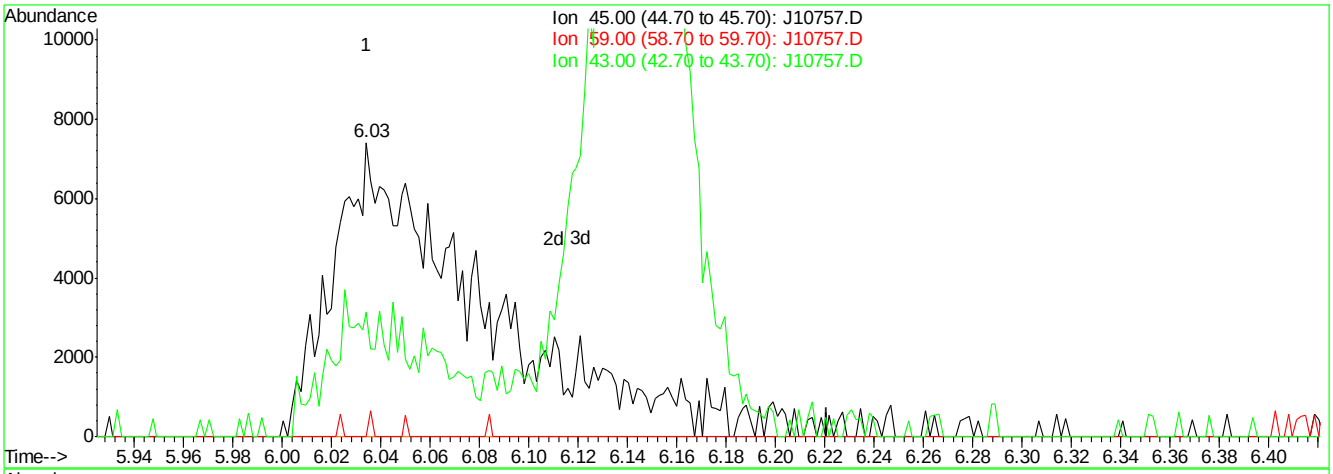
J10757.D J062507T.M Mon Jun 25 10:48:40 2007

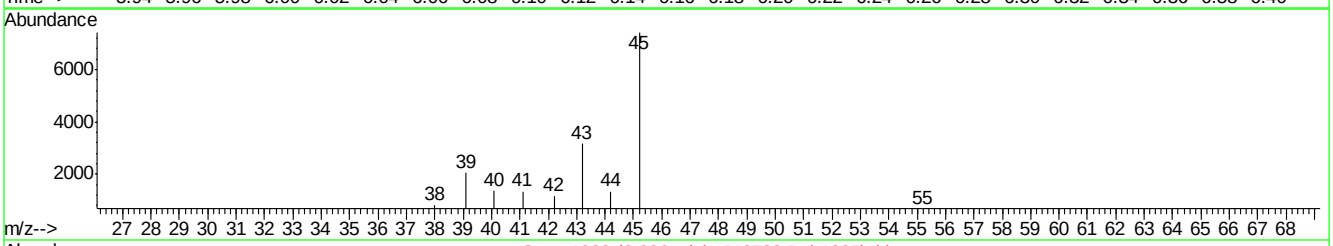
Quantitation Report (Qedit)

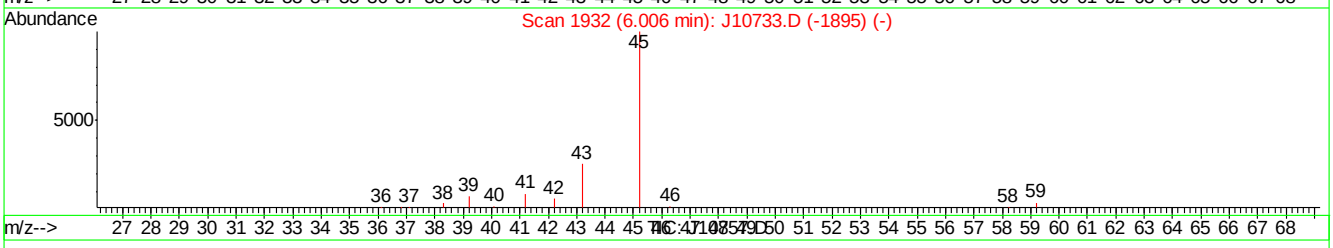
Data File : C:\MSDChem\1\data\J10757.D Vial: 2
Acq On : 25 Jun 2007 10:16 am Operator: danat
Sample : ic557-0.5 (m141) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 25 10:46:29 2007 Results File: J062507T.RES

Method : C:\MSDCHEM\1\METHODS\J062507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Mon Jun 25 10:46:18 2007
Response via : Multiple Level Calibration







(11) ISOPROPYL ALCOHOL (m)

6.03min 0.63PPBV m

response 29822

Ion	Exp%	Act%
45.00	100	100
59.00	3.70	0.00
43.00	25.20	42.54
0.00	0.00	0.00

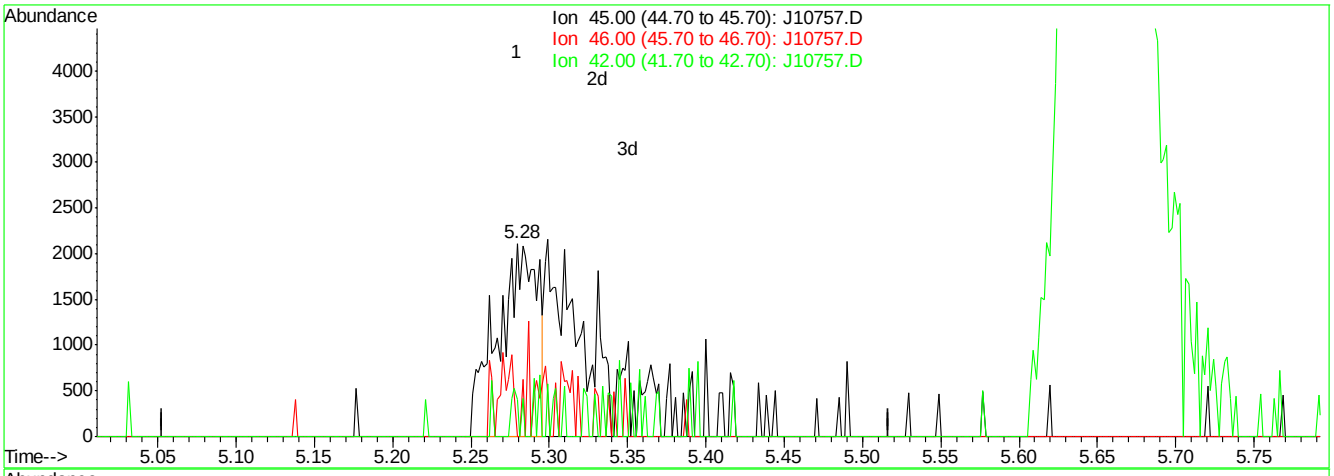
J10757.D J062507T.M Mon Jun 25 10:48:45 2007

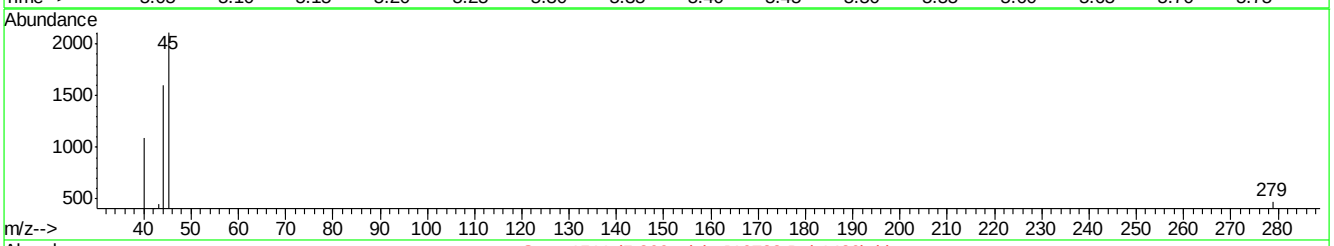
Quantitation Report (Qedit)

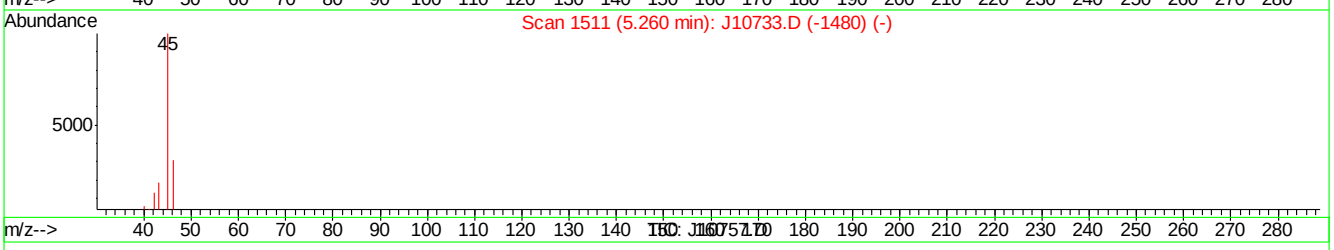
Data File : C:\MSDChem\1\data\J10757.D Vial: 2
Acq On : 25 Jun 2007 10:16 am Operator: danat
Sample : ic557-0.5 (m141) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 25 10:46:29 2007 Results File: J062507T.RES

Method : C:\MSDCHEM\1\METHODS\J062507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Mon Jun 25 10:46:18 2007
Response via : Multiple Level Calibration







(16) ETHANOL (m)

5.28min 0.45PPBV

response 3685

Ion	Exp%	Act%
45.00	100	100
46.00	6.50	18.43
42.00	2.80	5.10
0.00	0.00	0.00

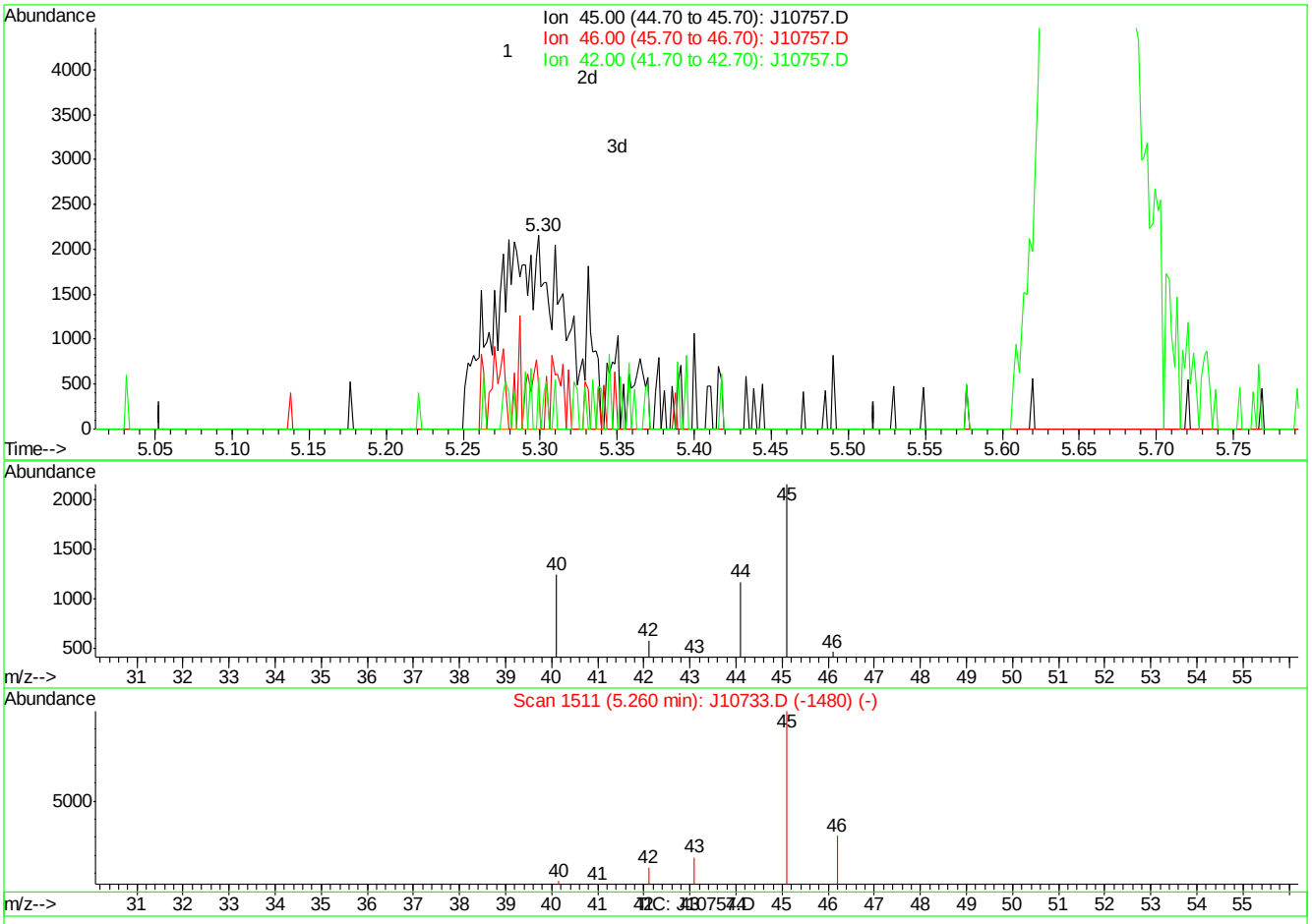
J10757.D J062507T.M Mon Jun 25 10:49:22 2007

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10757.D Vial: 2
Acq On : 25 Jun 2007 10:16 am Operator: danat
Sample : ic557-0.5 (m141) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 25 10:46:29 2007 Results File: J062507T.RES

Method : C:\MSDCHEM\1\METHODS\J062507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Mon Jun 25 10:46:18 2007
Response via : Multiple Level Calibration



(16) ETHANOL (m)

5.30min 0.89PPBV m

response 7283

Ion	Exp%	Act%
45.00	100	100
46.00	6.50	9.32
42.00	2.80	2.58
0.00	0.00	0.00

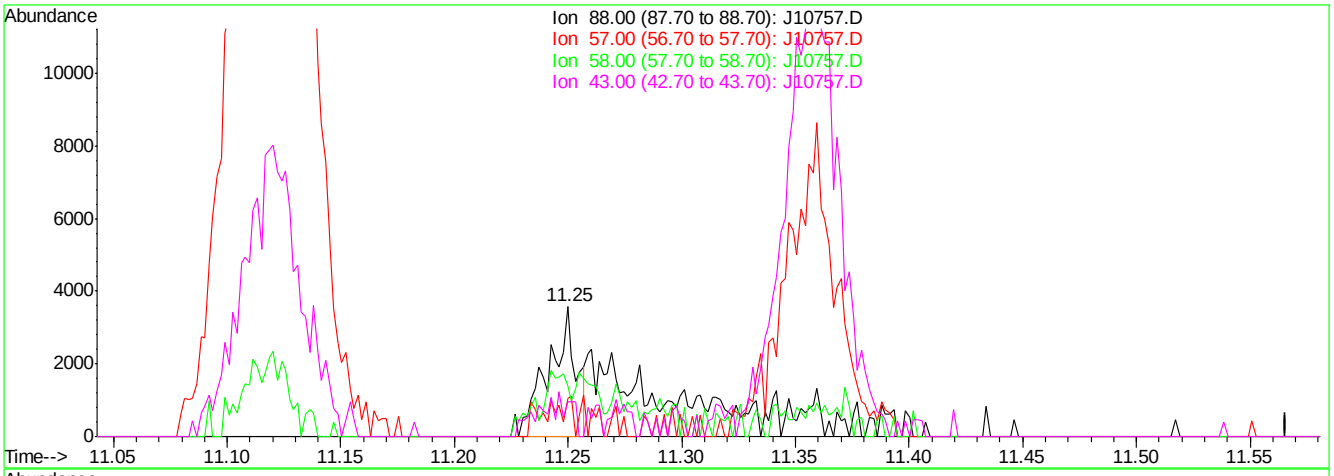
J10757.D J062507T.M Mon Jun 25 10:49:33 2007

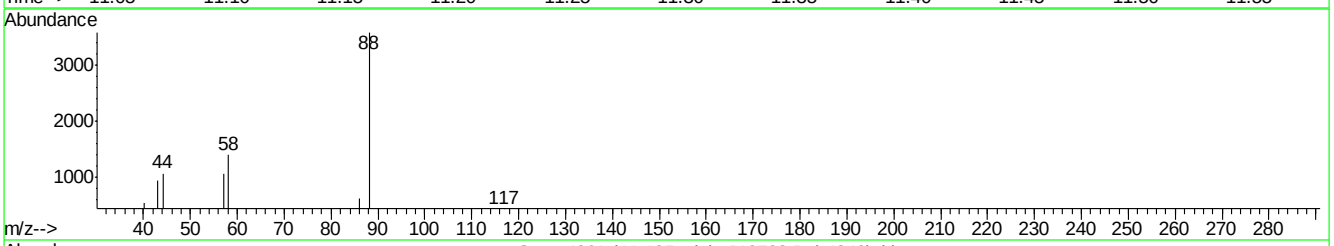
Quantitation Report (Qedit)

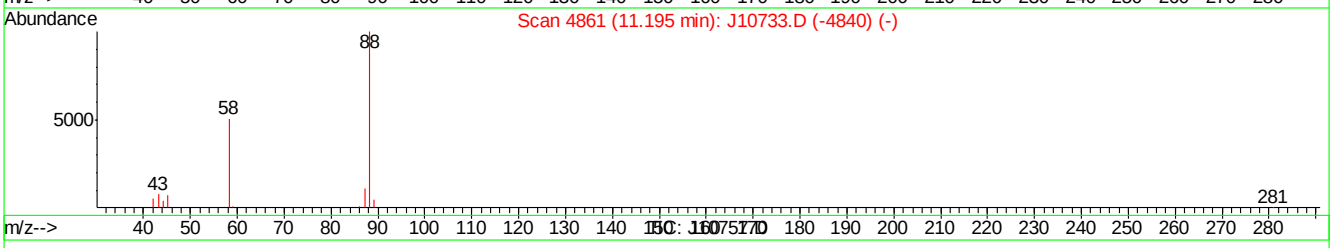
Data File : C:\MSDChem\1\data\J10757.D Vial: 2
Acq On : 25 Jun 2007 10:16 am Operator: danat
Sample : ic557-0.5 (m141) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 25 10:46:29 2007 Results File: J062507T.RES

Method : C:\MSDCHEM\1\METHODS\J062507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Mon Jun 25 10:46:18 2007
Response via : Multiple Level Calibration







(42) 1,4-DIOXANE (m)

11.25min 0.14PPBV

response 3047

Ion	Exp%	Act%
88.00	100	100
57.00	21.70	29.39
58.00	53.20	38.90
43.00	22.40	26.32

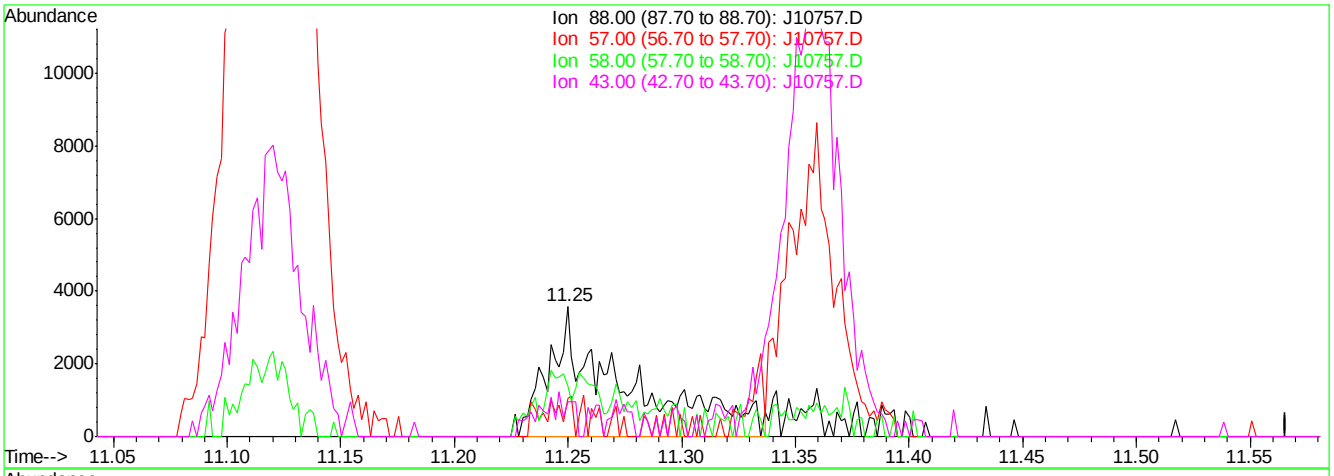
J10757.D J062507T.M Mon Jun 25 10:49:57 2007

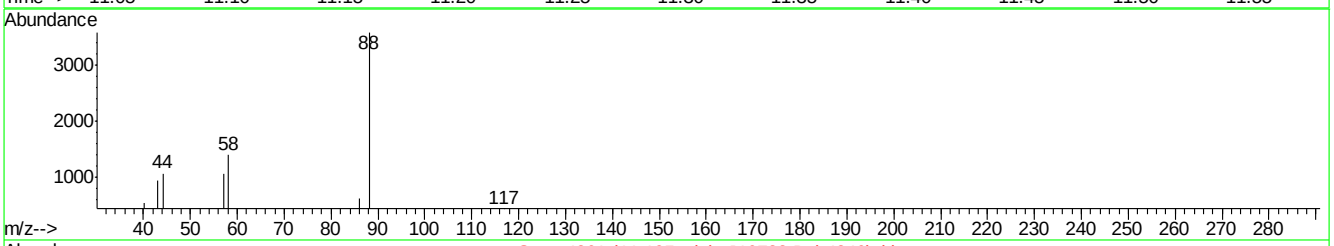
Quantitation Report (Qedit)

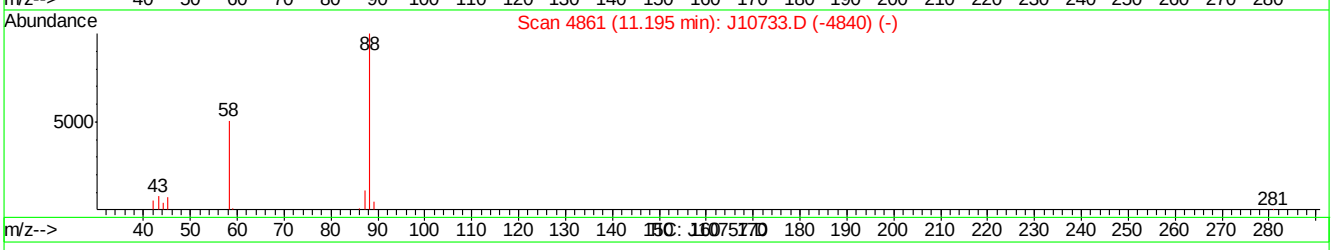
Data File : C:\MSDChem\1\data\J10757.D Vial: 2
Acq On : 25 Jun 2007 10:16 am Operator: danat
Sample : ic557-0.5 (m141) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 25 10:46:29 2007 Results File: J062507T.RES

Method : C:\MSDCHEM\1\METHODS\J062507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Mon Jun 25 10:46:18 2007
Response via : Multiple Level Calibration







(42) 1,4-DIOXANE (m)

11.25min 0.38PPBV m

response 8305

Ion	Exp%	Act%
88.00	100	100
57.00	21.70	29.39
58.00	53.20	38.90
43.00	22.40	26.32

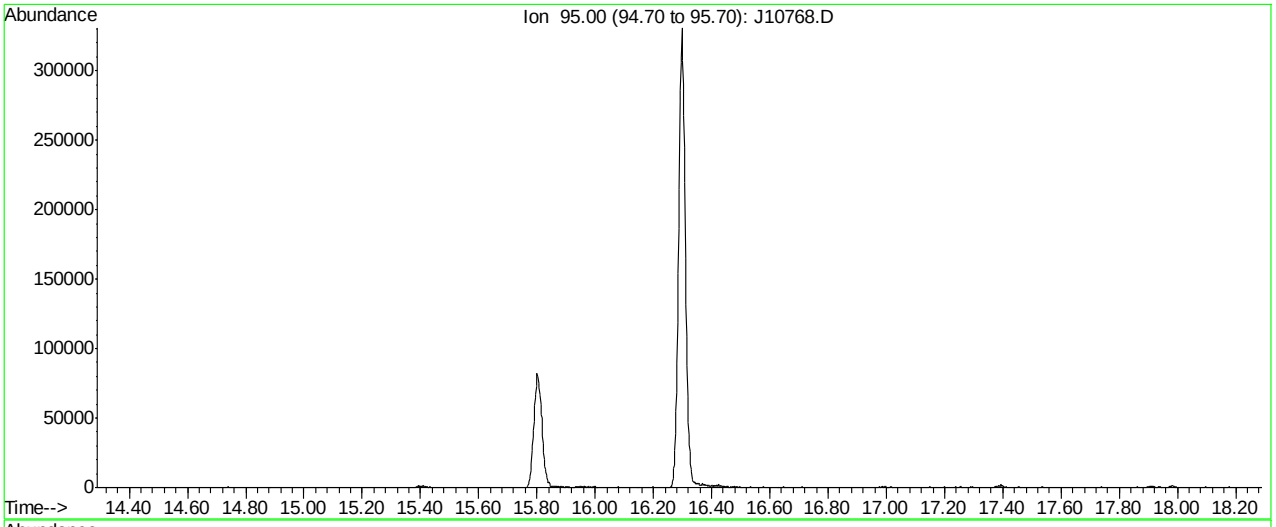
J10757.D J062507T.M Mon Jun 25 10:50:10 2007

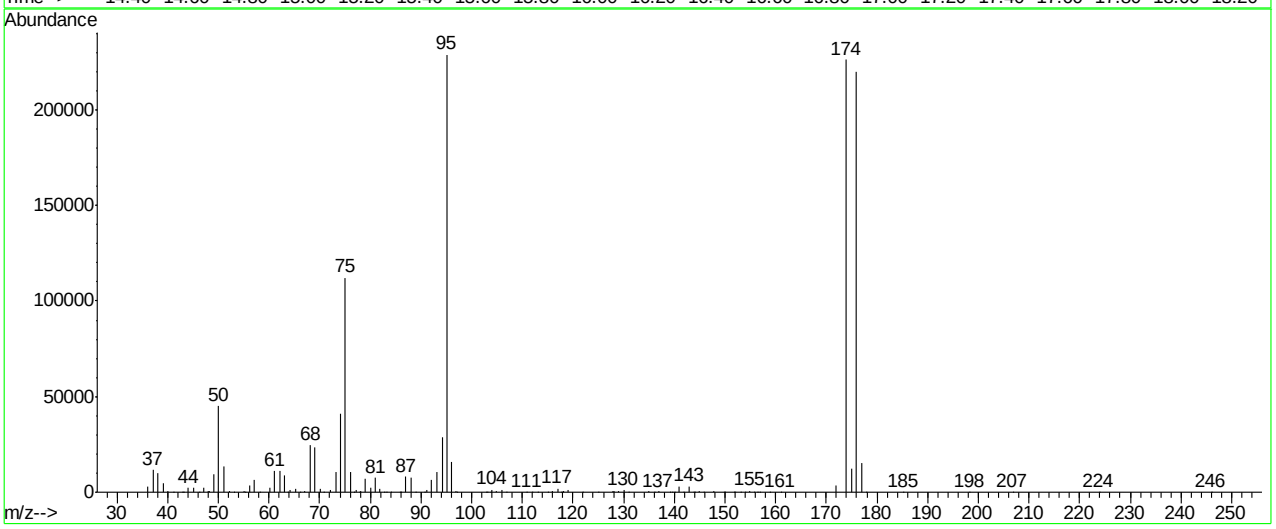
BFB

Data File : C:\MSDChem\1\data\J10768.D
Acq On : 26 Jun 2007 11:20 am
Sample : CC557-10 (M080)
Misc : MS13762, MSJ557,,,,,1
MS Integration Params: LSCINT.P

Vial: 1
Operator: danat
Inst : MSJ
Multiplr: 1.00

Method : C:\MSDCHEM\1\METHODS\J062507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um





Spectrum Information: Average of 16.281 to 16.299 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	19.7	45008	PASS
75	95	30	66	49.0	112124	PASS
95	95	100	100	100.0	228970	PASS
96	95	5	9	7.0	15941	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	98.8	226221	PASS
175	174	4	9	5.4	12131	PASS
176	174	93	101	97.1	219696	PASS
177	176	5	9	7.0	15326	PASS

J10768.D J062507T.M Tue Jun 26 11:50:11 2007

Average of 16.281 to 16.299 min.: J10768.D
CC557-10 (M080)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.15	2820	47.15	2415	57.15	6582	68.15	24693
37.15	11463	48.05	720	58.20	161	69.10	23301
38.15	10028	48.25	707	60.10	2347	70.10	1942
39.15	4820	49.15	9402	61.15	11113	70.90	50
40.10	831	50.10	45008	62.15	10980	72.15	1041
41.15	86	51.15	13356	63.15	9029	73.15	10438
42.90	43	52.15	664	63.80	48	74.15	40813
43.15	93	53.05	97	64.15	1170	75.10	112124
44.10	2217	55.10	531	65.15	2046	76.15	10452
45.15	2128	55.30	88	66.05	88	76.80	54
46.25	110	56.15	3432	67.10	367	77.10	1381

Average of 16.281 to 16.299 min.: J10768.D
CC557-10 (M080)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
77.85	182	87.05	8109	97.20	112	115.05	221
78.15	587	88.05	7454	102.90	39	116.00	862
79.05	6969	88.90	37	103.10	66	116.95	1875
80.05	2655	90.80	69	103.70	50	117.80	48
81.05	7522	91.10	1469	104.00	1246	117.90	275
81.95	1846	92.05	6756	104.95	670	118.05	699
82.80	62	93.10	10357	105.95	1205	118.95	1325
83.15	141	94.15	28878	106.95	97	122.00	46
84.10	58	95.10	228970	110.95	96	124.90	43
85.80	45	96.10	15941	111.95	215	127.90	440
86.10	63	97.00	435	113.00	47	128.05	523

Average of 16.281 to 16.299 min.: J10768.D
CC557-10 (M080)

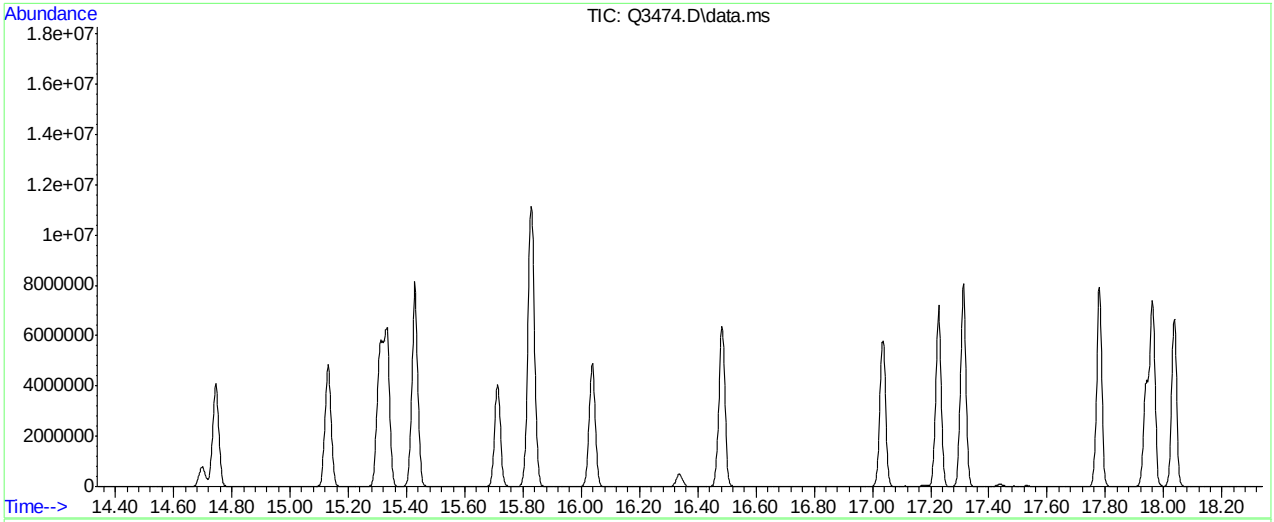
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
129.00	499	142.95	2984	153.90	118	177.00	15326
130.00	1049	143.70	56	154.95	633	177.90	294
130.95	293	144.00	38	155.85	81	185.20	42
134.90	437	144.95	587	156.50	39	198.30	36
136.10	40	145.90	241	156.90	303	206.80	46
136.90	349	147.90	550	158.95	233	223.80	48
139.20	40	149.80	117	161.05	194	246.00	38
139.70	66	149.95	139	172.00	3555		
140.05	85	151.70	51	174.00	226221		
140.95	2805	152.00	46	175.05	12131		
141.90	187	153.00	110	176.00	219696		

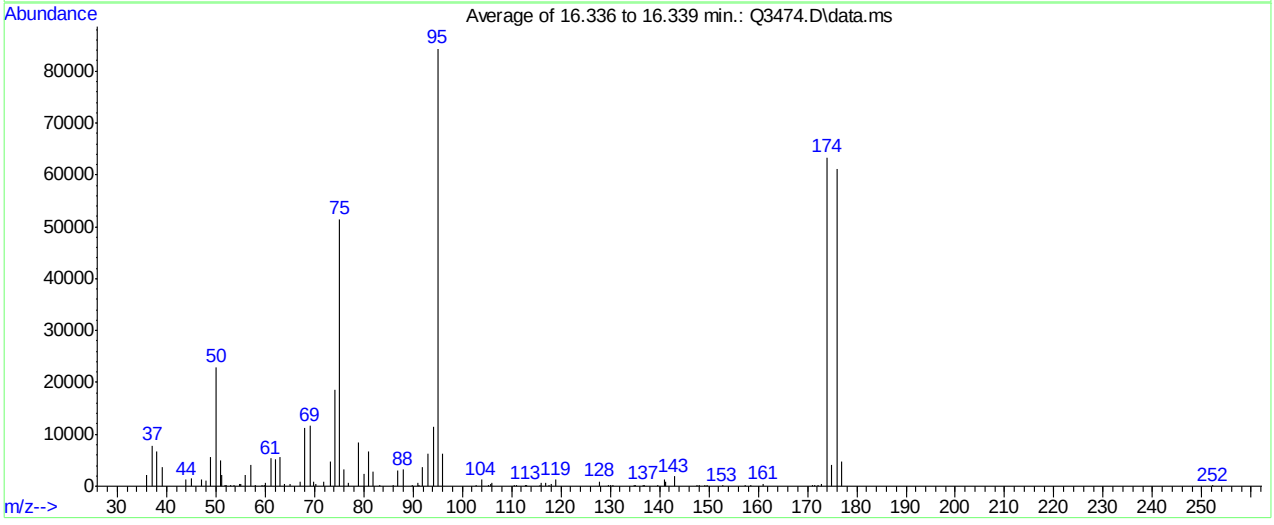
BFB

Data File : C:\msdchem\1\DATA\Q3474.D
Acq On : 21 May 2007 5:28 pm
Sample : IC189-40 (M060)
Misc : MS13602,MSQ189,,,,,1
MS Integration Params: LSCINT.P

Vial: 3
Operator: PhilipB
Inst : MAMSQ
Multiplr: 1.00

Method : C:\msdchem\1\METHODS\Q052107T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um





Spectrum Information: Average of 16.336 to 16.339 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	27.2	22954	PASS
75	95	30	66	61.1	51517	PASS
95	95	100	100	100.0	84362	PASS
96	95	5	9	7.3	6194	PASS
173	174	0.00	2	0.5	333	PASS
174	95	50	120	75.1	63384	PASS
175	174	4	9	6.4	4070	PASS
176	174	93	101	96.4	61098	PASS
177	176	5	9	7.7	4693	PASS

Q3474.D Q052107T.m Tue May 22 09:37:26 2007 RPT1

Average of 16.336 to 16.339 min.: Q3474.D\data.ms
IC189-40 (M060)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.95	2204	51.20	2255	59.80	237	70.20	363
37.10	7885	51.90	215	59.95	654	71.90	846
38.10	6729	52.10	173	61.10	5316	73.15	4665
39.15	3649	53.10	193	62.10	5181	74.10	18538
44.00	1213	53.70	175	63.05	5593	75.10	51517
45.10	1479	54.85	497	63.90	408	76.05	3209
47.05	1225	55.10	470	65.05	476	76.90	667
48.00	1176	56.05	2272	67.00	789	78.95	8470
49.00	5616	57.05	4174	68.10	11252	80.00	2396
50.10	22954	57.90	197	69.05	11642	80.95	6667
51.00	4890	59.30	264	69.90	886	81.95	2750

Average of 16.336 to 16.339 min.: Q3474.D\data.ms
IC189-40 (M060)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
83.30	141	96.05	6194	116.05	672	136.70	265
85.90	181	102.80	231	116.80	691	136.90	266
86.95	3087	103.85	1283	117.50	144	139.70	269
87.95	3214	105.20	324	118.05	402	140.90	1208
89.90	224	105.70	501	118.95	1208	141.20	921
90.90	712	105.95	638	127.90	897	142.95	1945
91.20	290	110.60	288	129.70	264	147.70	173
91.95	3593	111.00	235	130.00	206	148.10	137
93.05	6212	112.70	142	130.60	144	149.10	189
94.10	11544	113.00	297	134.80	155	149.70	203
95.05	84362	115.80	267	135.10	172	152.80	206

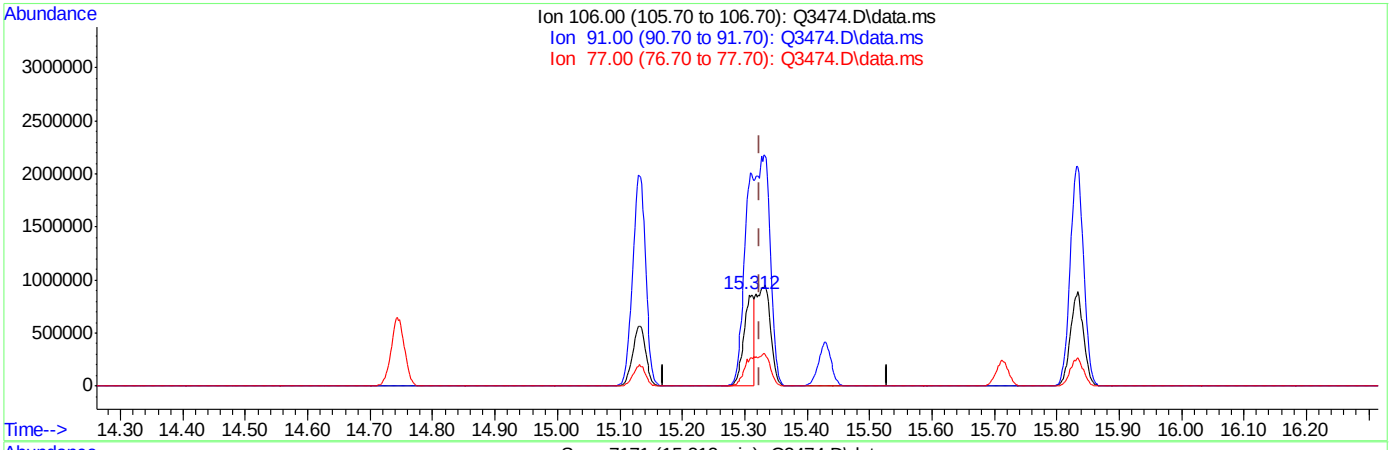
Average of 16.336 to 16.339 min.: Q3474.D\data.ms
IC189-40 (M060)

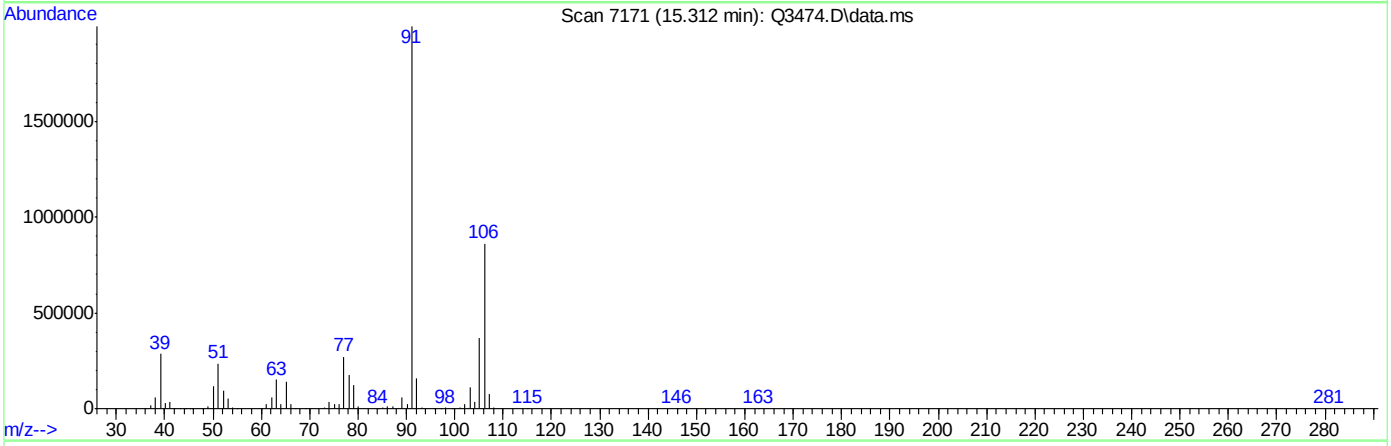
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
157.40	148	252.20	151				
158.60	161						
161.10	356						
171.00	205						
171.50	205						
172.10	260						
172.90	333						
174.00	63384						
174.95	4070						
175.95	61098						
176.95	4693						

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3474.D
Acq On    : 21 May 2007   5:28 pm
Operator  : PhilipB
Sample    : IC189-40 (M060)
Misc      : MS13602,MSQ189,,,,,1
ALS Vial  : 3   Sample Multiplier: 1

Quant Time: May 22 09:18:49 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:18:43 2007
Response via : Initial Calibration
```



TIC: Q3474.D\data.ms

(56) m,p-XYLENE (m)

15.312min (-0.013) 43.61PPBV

response 980741

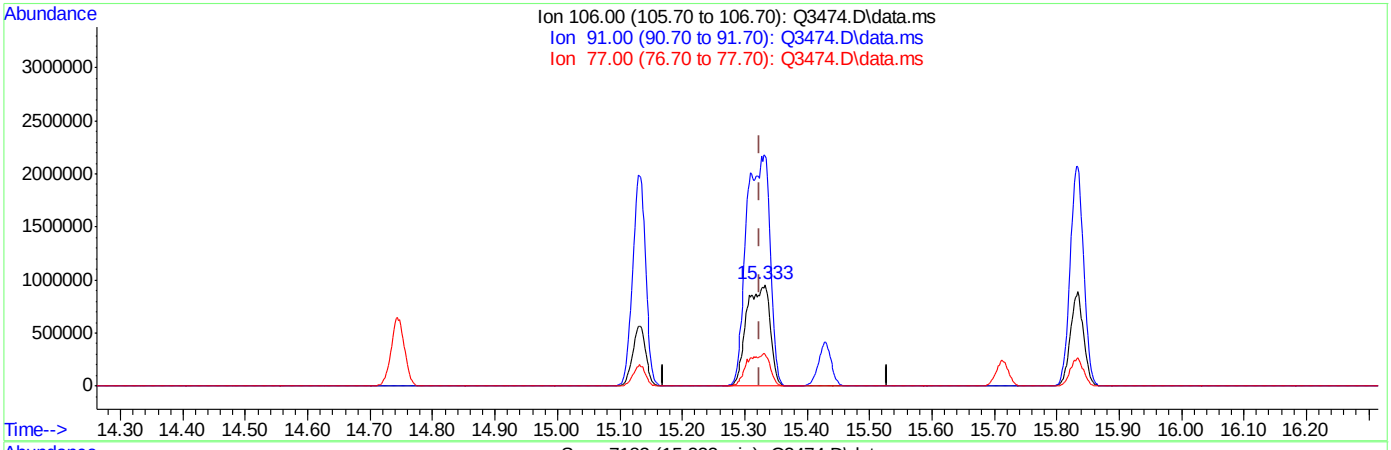
Ion	Exp%	Act%
106.00	100	100
91.00	204.20	231.51
77.00	30.60	31.54
0.00	0.00	0.00

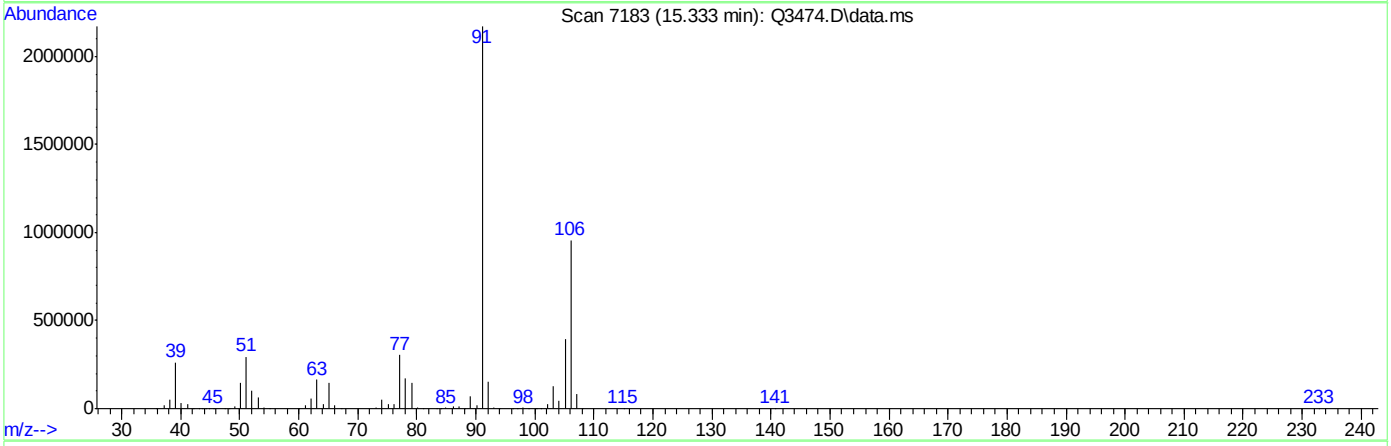
ACCUTEST Laboratories M65503

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3474.D
Acq On    : 21 May 2007   5:28 pm
Operator  : PhilipB
Sample    : IC189-40 (M060)
Misc      : MS13602,MSQ189,,,,,1
ALS Vial  : 3   Sample Multiplier: 1

Quant Time: May 22 09:18:49 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:18:43 2007
Response via : Initial Calibration
```



TIC: Q3474.D\data.ms

(56) m,p-XYLENE (m)

15.333min (+0.009) 110.64PPBV m

response 2488248

Ion	Exp%	Act%
106.00	100	100
91.00	204.20	227.27
77.00	30.60	31.75
0.00	0.00	0.00

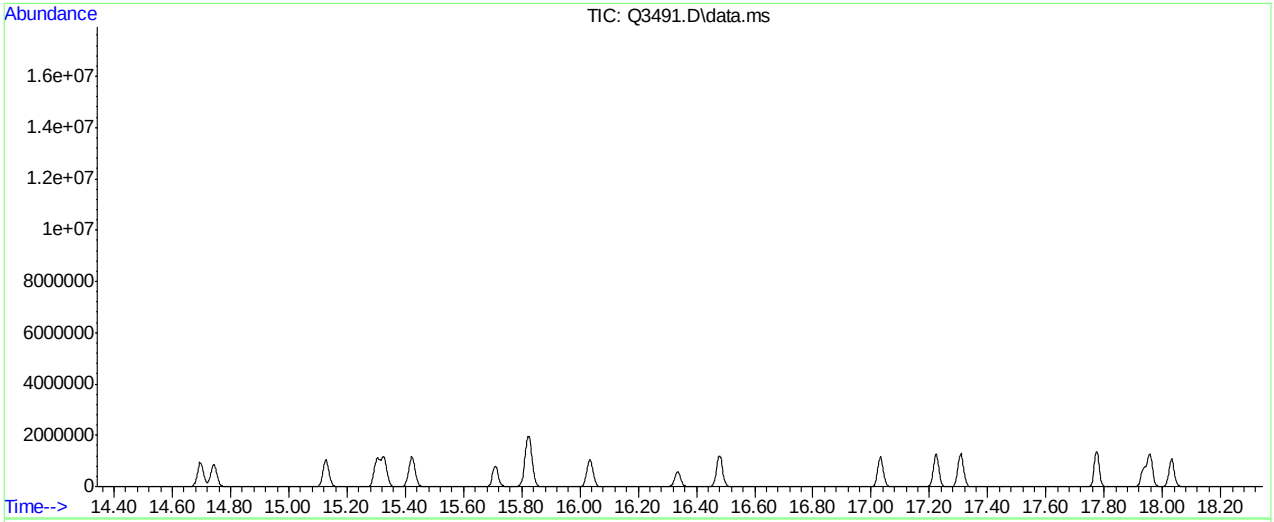
ACCUTEST Laboratories M65503

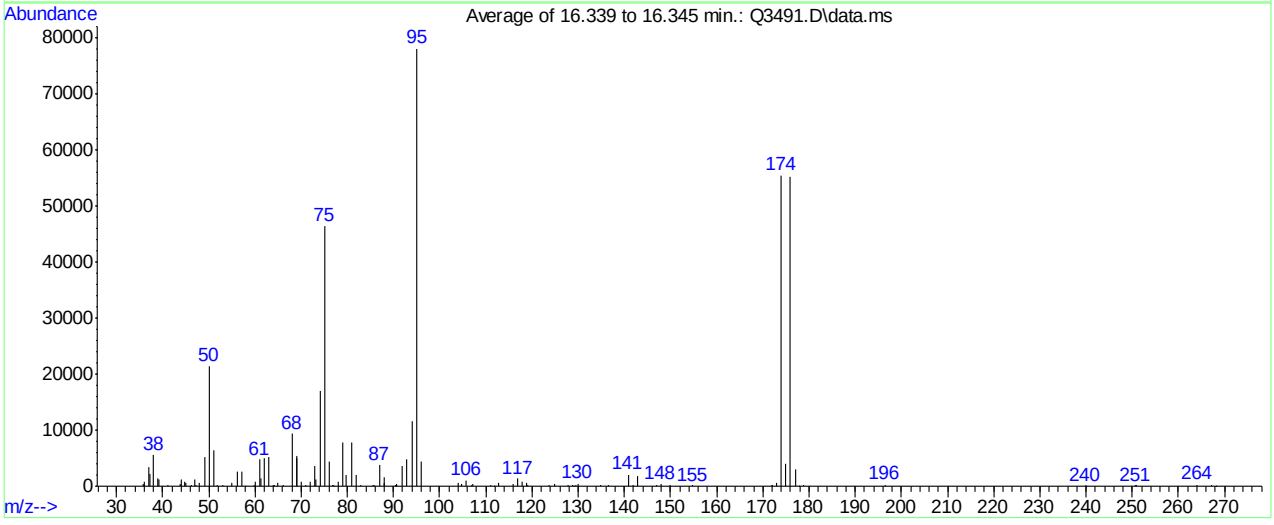
BFB

Data File : C:\msdchem\1\DATA\Q3491.D
Acq On : 22 May 2007 6:00 pm
Sample : CC189-10 (M068)
Misc : MS13602,MSQ190,,,,,1
MS Integration Params: LSCINT.P

Vial: 1
Operator: PhilipB
Inst : MAMSQ
Multiplr: 1.00

Method : C:\msdchem\1\METHODS\Q052107T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um





Spectrum Information: Average of 16.339 to 16.345 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	27.4	21414	PASS
75	95	30	66	59.5	46502	PASS
95	95	100	100	100.0	78124	PASS
96	95	5	9	5.7	4471	PASS
173	174	0.00	2	1.2	659	PASS
174	95	50	120	71.0	55470	PASS
175	174	4	9	7.2	3973	PASS
176	174	93	101	99.5	55192	PASS
177	176	5	9	5.5	3057	PASS

Q3491.D Q052107T.m Wed May 23 09:58:53 2007 RPT1

Average of 16.339 to 16.345 min.: Q3491.D\data.ms
CC189-10 (M068)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.90	325	44.90	724	54.90	620	64.30	177
36.00	115	45.10	586	56.10	2543	65.00	625
36.15	854	46.20	113	57.05	2633	66.10	122
37.00	3479	47.05	1233	57.90	102	68.05	9362
37.15	2258	47.30	272	59.80	129	69.00	5484
38.05	5575	47.90	638	60.05	755	69.15	5077
39.00	1415	49.05	5233	61.00	4748	70.10	827
39.15	1145	50.10	21414	61.20	1454	70.90	184
41.10	116	51.10	6503	62.05	5099	72.05	757
43.90	442	51.90	115	63.05	5273	73.05	3674
44.05	1149	53.00	128	63.90	241	73.30	1231

Average of 16.339 to 16.345 min.: Q3491.D\data.ms
CC189-10 (M068)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
74.05	17092	85.50	186	95.10	78124	117.00	1352
75.10	46502	85.70	217	96.05	4471	117.90	840
76.10	4506	86.95	3717	103.90	637	118.75	581
76.80	158	87.90	585	104.85	371	119.00	189
77.00	125	88.10	1520	105.80	1040	123.70	141
78.05	735	90.50	139	106.90	240	125.00	318
78.95	7845	90.60	114	107.10	320	127.80	295
79.85	2076	90.75	345	111.10	209	128.90	181
80.95	7734	92.00	3605	111.70	107	129.10	107
82.00	1951	92.95	4901	112.80	518	129.60	112
82.80	148	94.05	11614	115.95	373	129.95	435

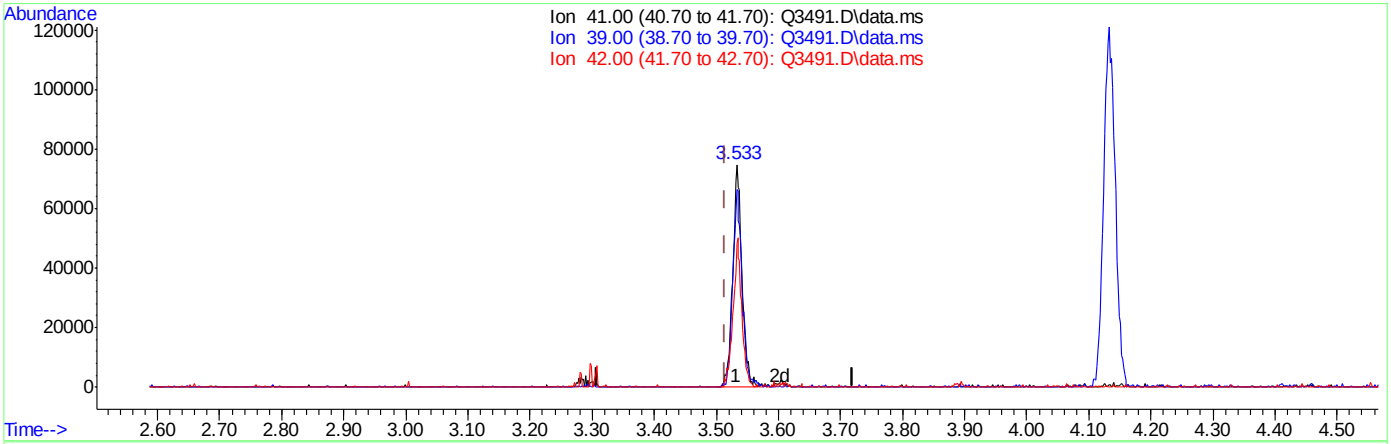
Average of 16.339 to 16.345 min.: Q3491.D\data.ms
CC189-10 (M068)

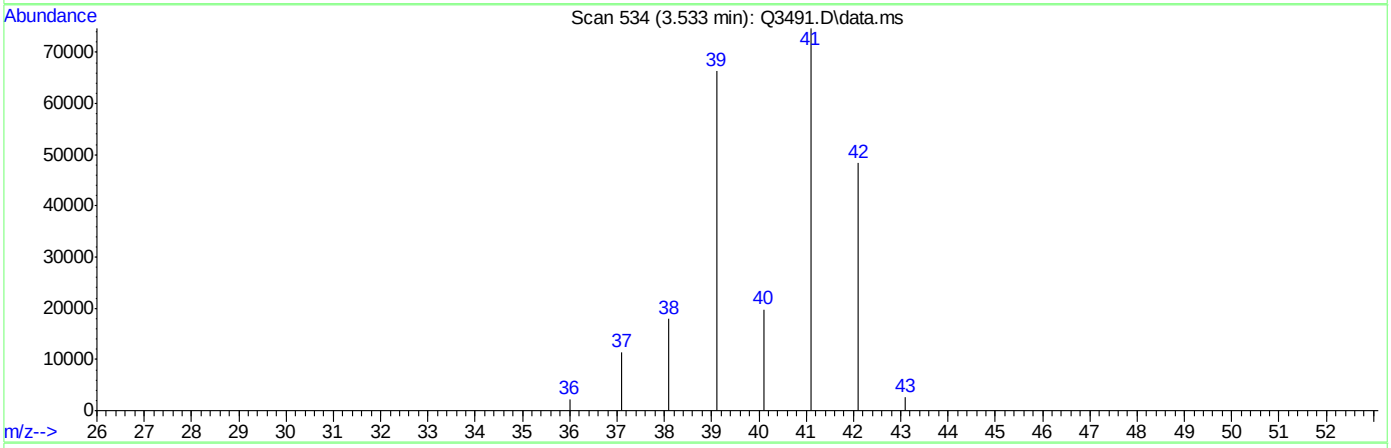
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
134.80	110	172.95	659	264.10	219		
136.60	125	174.00	55470	267.10	142		
140.90	2081	174.95	3973	268.10	100		
142.00	146	176.00	55192				
142.95	1757	177.05	3057				
146.90	222	177.90	101				
147.85	338	178.70	155				
149.90	160	196.40	209				
154.80	115	239.90	166				
171.90	284	250.70	114				
172.10	156	251.00	110				

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3491.D
Acq On : 22 May 2007 6:00 pm
Operator : PhilipB
Sample : CC189-10 (M068)
Misc : MS13602,MSQ190,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 23 09:40:15 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:36:34 2007
Response via : Initial Calibration





TIC: Q3491.D\data.ms

(3) PROPYLENE (m)

3.533min (+0.019) 6.61PPBV

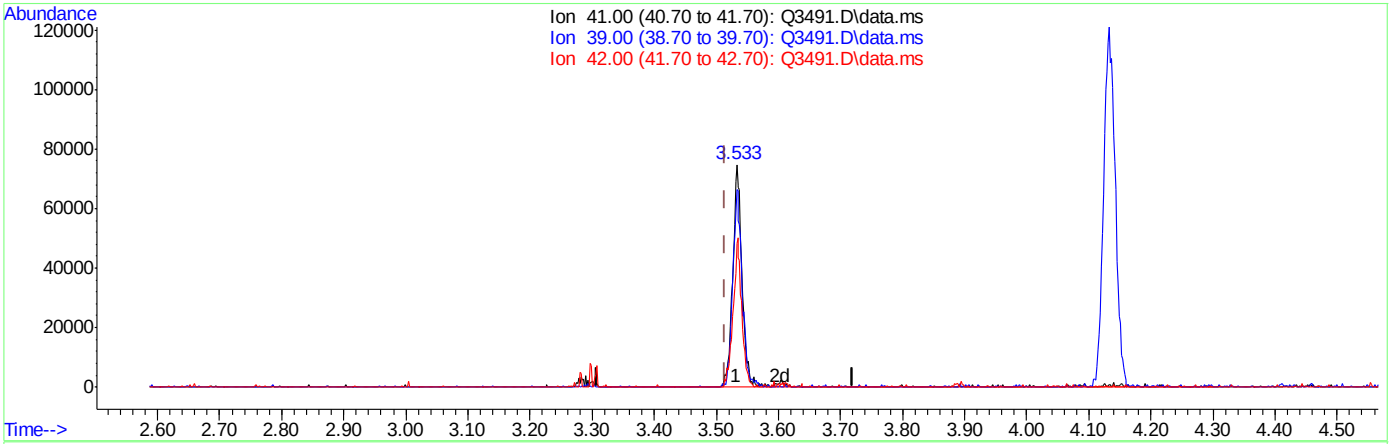
response 82238

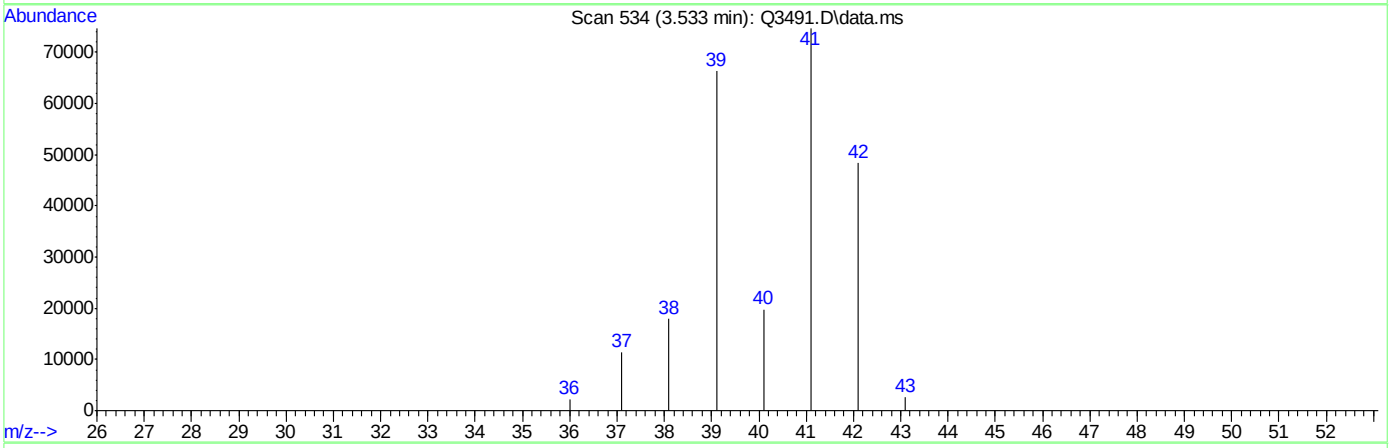
Ion	Exp%	Act%
41.00	100	100
39.00	90.30	88.85
42.00	56.70	64.73
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3491.D
Acq On : 22 May 2007 6:00 pm
Operator : PhilipB
Sample : CC189-10 (M068)
Misc : MS13602,MSQ190,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 23 09:40:15 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:36:34 2007
Response via : Initial Calibration





TIC: Q3491.D\data.ms

(3) PROPYLENE (m)

3.533min (+0.019) 7.15PPBV m

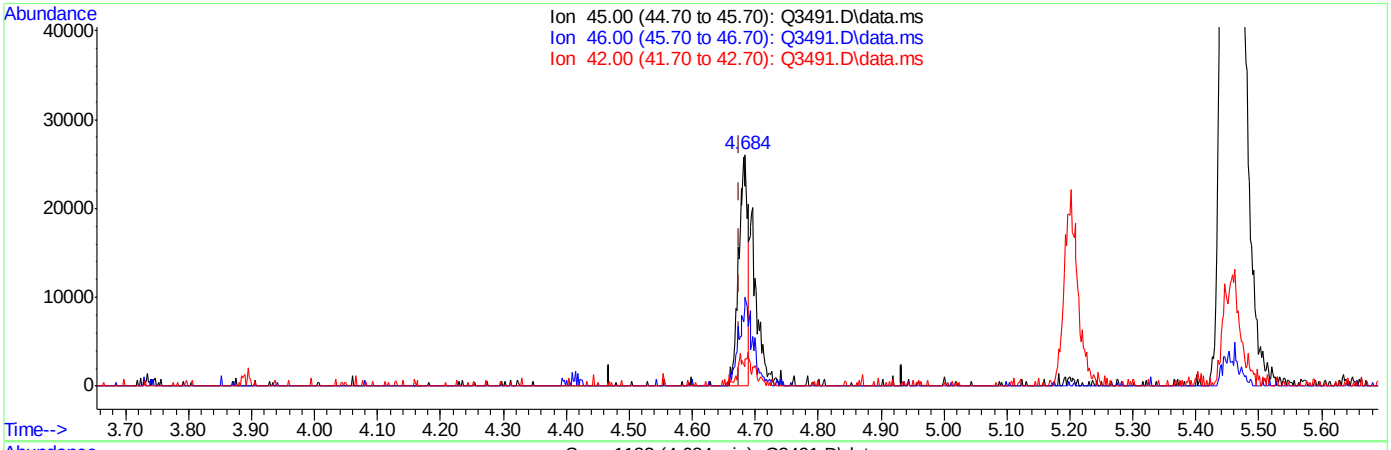
response 88898

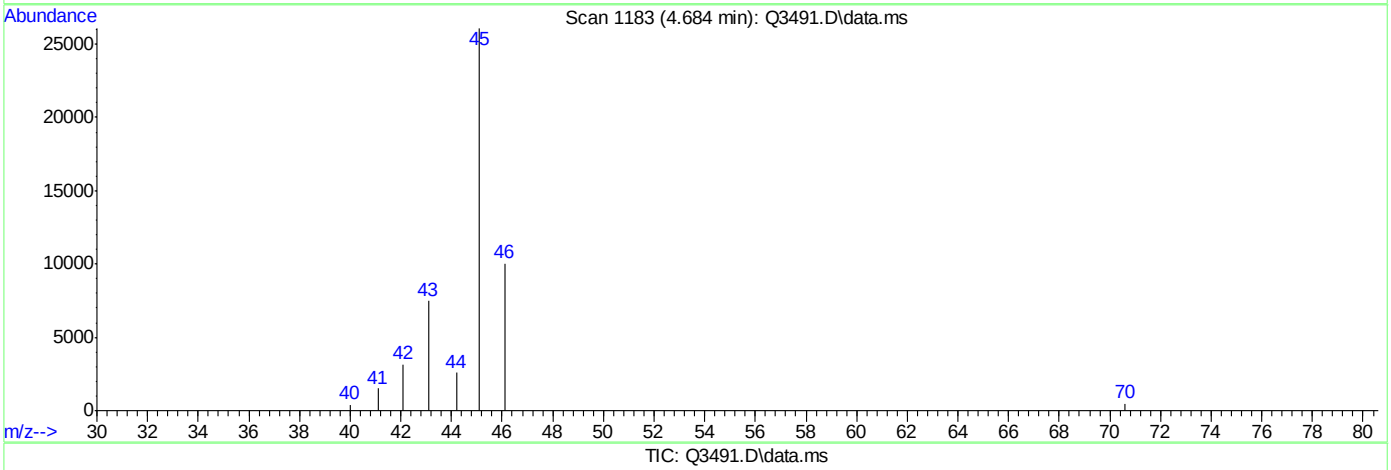
Ion	Exp%	Act%
41.00	100	100
39.00	90.30	88.85
42.00	56.70	64.73
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3491.D
Acq On : 22 May 2007 6:00 pm
Operator : PhilipB
Sample : CC189-10 (M068)
Misc : MS13602,MSQ190,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 23 09:40:47 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:36:34 2007
Response via : Initial Calibration





TIC: Q3491.D\data.ms

(16) ETHANOL (m)

4.684min (+0.009) 5.10PPBV

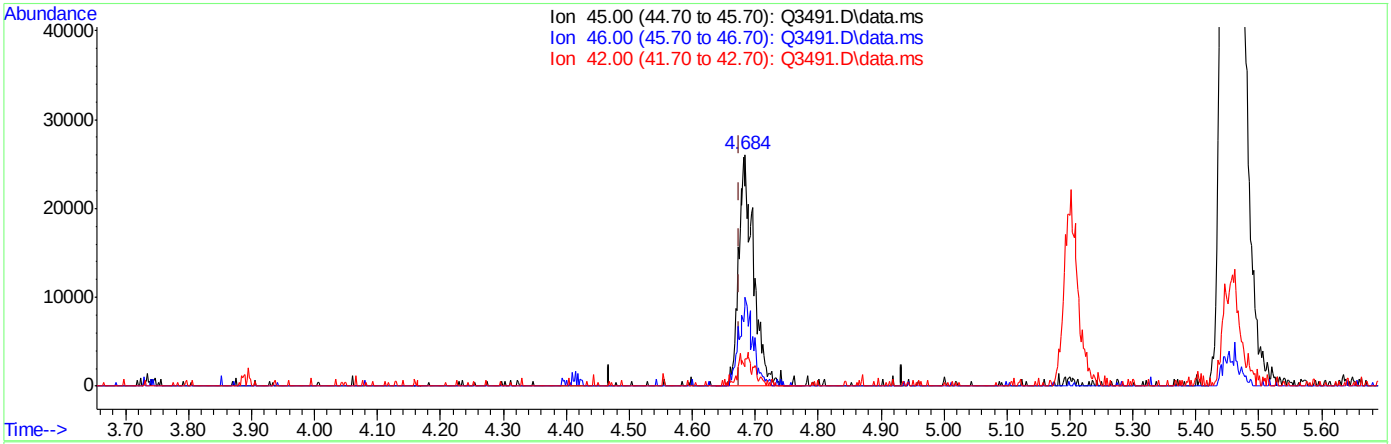
response 26759

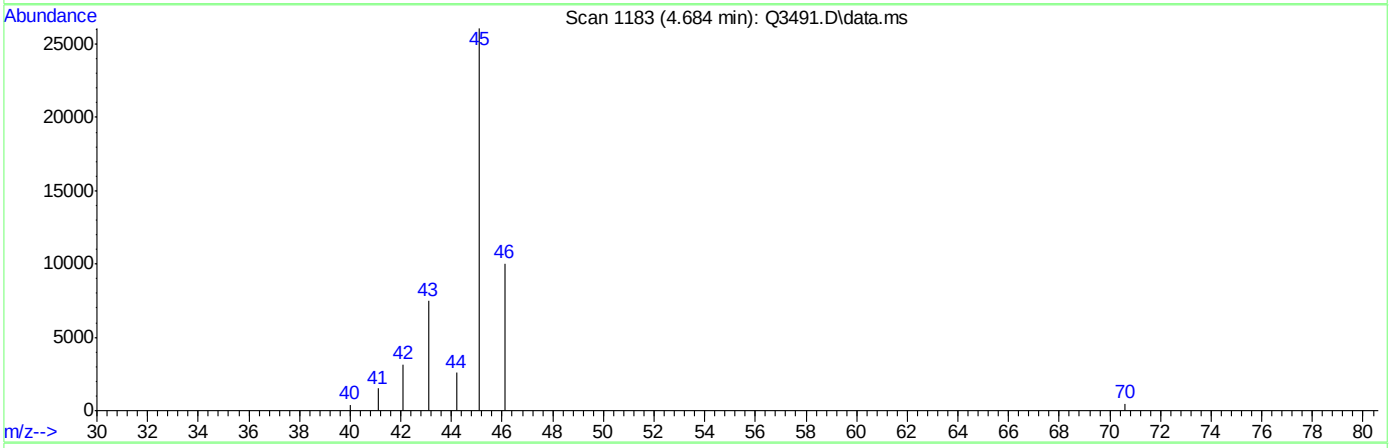
Ion	Exp%	Act%
45.00	100	100
46.00	0.00	57.80#
42.00	0.00	6.66
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3491.D
Acq On : 22 May 2007 6:00 pm
Operator : PhilipB
Sample : CC189-10 (M068)
Misc : MS13602,MSQ190,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 23 09:40:47 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:36:34 2007
Response via : Initial Calibration





TIC: Q3491.D\data.ms

(16) ETHANOL (m)

4.684min (+0.009) 8.47PPBV m

response 44429

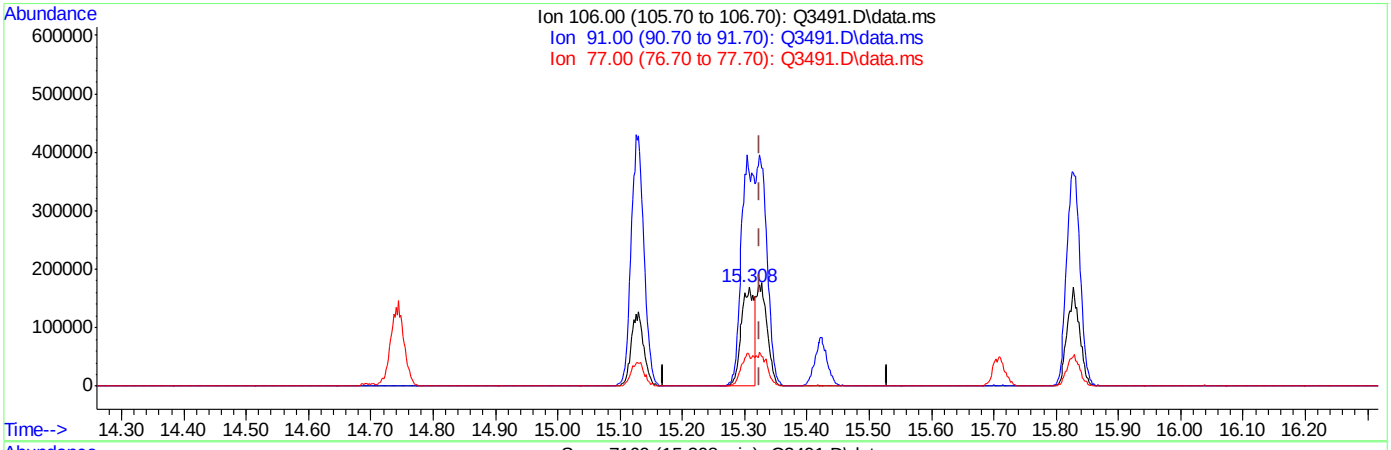
Ion	Exp%	Act%
45.00	100	100
46.00	0.00	34.81#
42.00	0.00	4.01
0.00	0.00	0.00

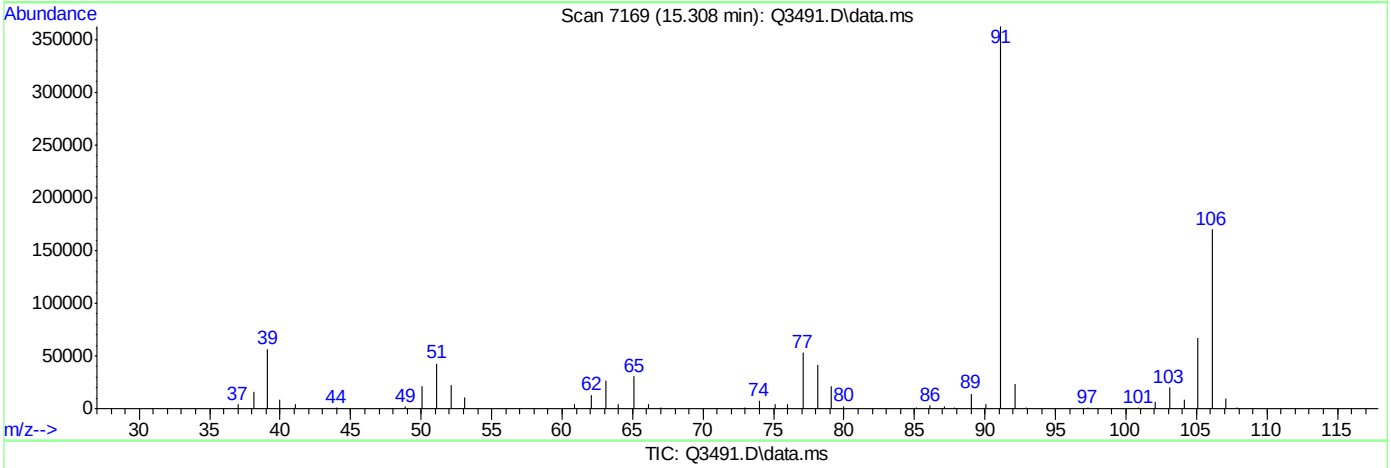
ACCUTEST Laboratories M65503

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3491.D
Acq On : 22 May 2007 6:00 pm
Operator : PhilipB
Sample : CC189-10 (M068)
Misc : MS13602,MSQ190,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 23 09:40:47 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:36:34 2007
Response via : Initial Calibration





TIC: Q3491.D\data.ms

(56) m,p-XYLENE (m)

15.308min (-0.016) 9.76PPBV

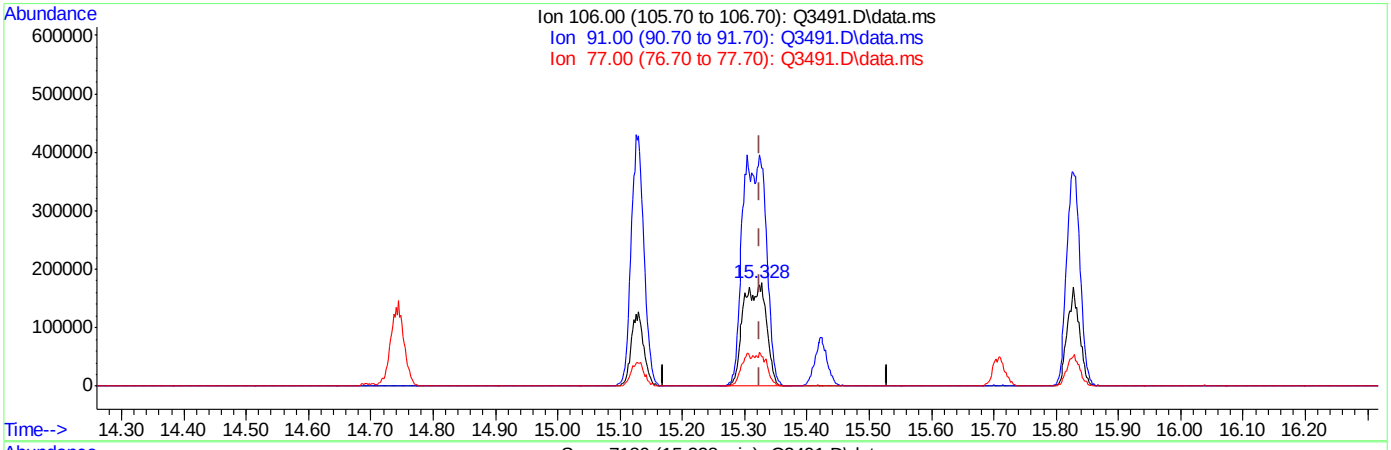
response 249289

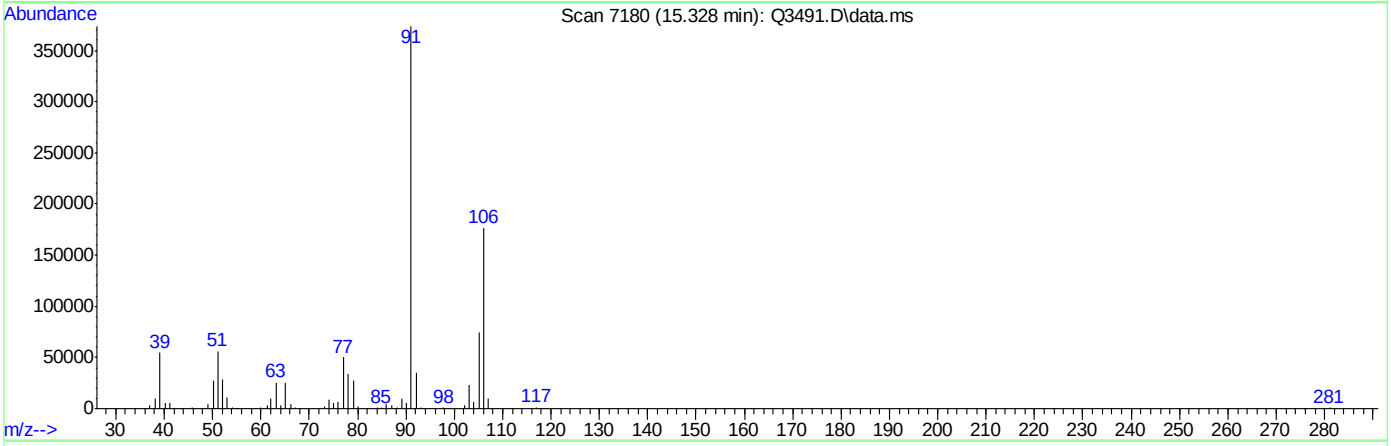
Ion	Exp%	Act%
106.00	100	100
91.00	204.20	213.74
77.00	30.60	31.28
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3491.D
Acq On : 22 May 2007 6:00 pm
Operator : PhilipB
Sample : CC189-10 (M068)
Misc : MS13602,MSQ190,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 23 09:40:47 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:36:34 2007
Response via : Initial Calibration





TIC: Q3491.D\data.ms

(56) m,p-XYLENE (m)

15.328min (+0.004) 17.89PPBV m

response 456957

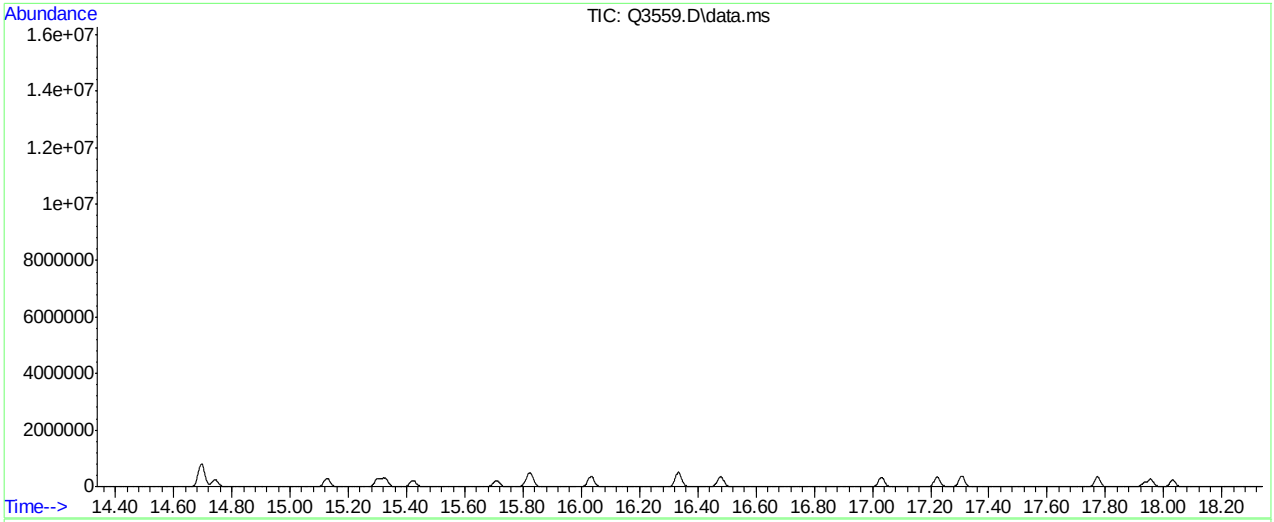
Ion	Exp%	Act%
106.00	100	100
91.00	204.20	211.72
77.00	30.60	28.52
0.00	0.00	0.00

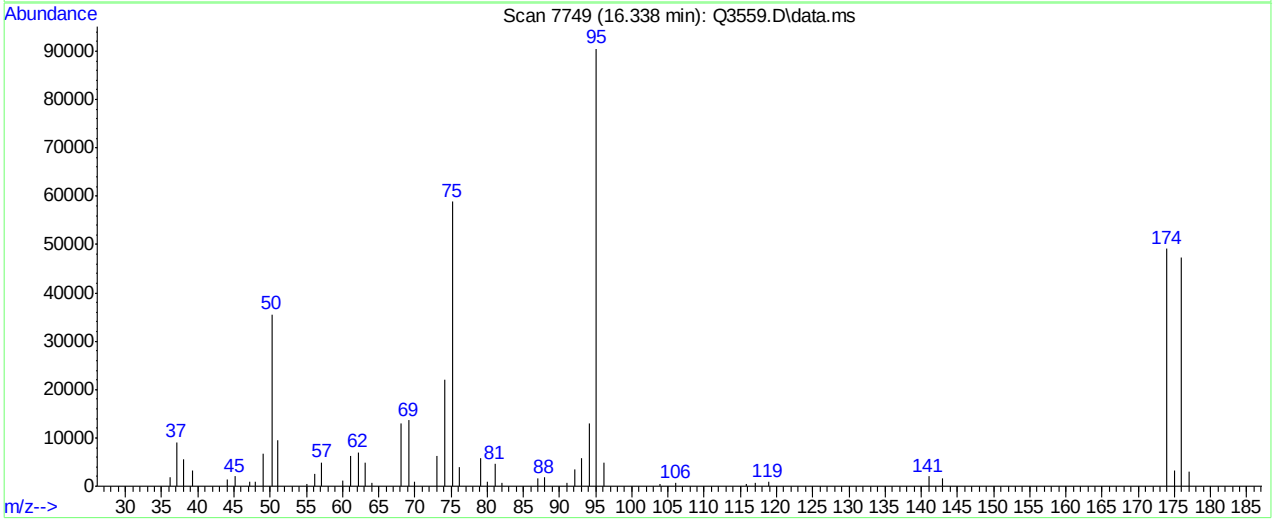
BFB

Data File : C:\msdchem\1\DATA\Q3559.D
Acq On : 30 May 2007 11:43 am
Sample : IC193-5 (M017)
Misc : MS13624, MSQ193,,,,,1
MS Integration Params: LSCINT.P

Vial: 1
Operator: PhilipB
Inst : MAMSQ
Multiplr: 1.00

Method : C:\msdchem\1\METHODS\Q053007T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um





Spectrum Information: Scan 7749

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	39.2	35488	PASS
75	95	30	66	65.0	58832	PASS
95	95	100	100	100.0	90552	PASS
96	95	5	9	5.4	4883	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	54.2	49120	PASS
175	174	4	9	6.9	3371	PASS
176	174	93	101	96.2	47272	PASS
177	176	5	9	6.3	2966	PASS

Q3559.D Q053007T.m Wed May 30 16:53:00 2007 RPT1

Scan 7749 (16.338 min): Q3559.D\data.ms
IC193-5 (M017)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.10	1960	55.00	410	73.10	6187	92.10	3527
37.10	9075	56.10	2531	74.10	22112	93.00	5763
38.10	5659	57.10	4984	75.20	58832	94.10	12902
39.20	3175	60.00	1058	76.10	4051	95.10	90552
44.10	1425	61.10	6273	79.10	5915	96.10	4883
45.10	2083	62.20	6965	80.00	868	103.90	553
47.10	986	63.10	4850	81.10	4633	106.10	597
48.00	910	64.00	702	82.00	817	115.80	425
49.10	6778	68.10	13021	87.00	1660	117.00	689
50.20	35488	69.10	13679	87.90	1797	118.90	842
51.10	9590	70.00	879	91.00	726	141.00	1997

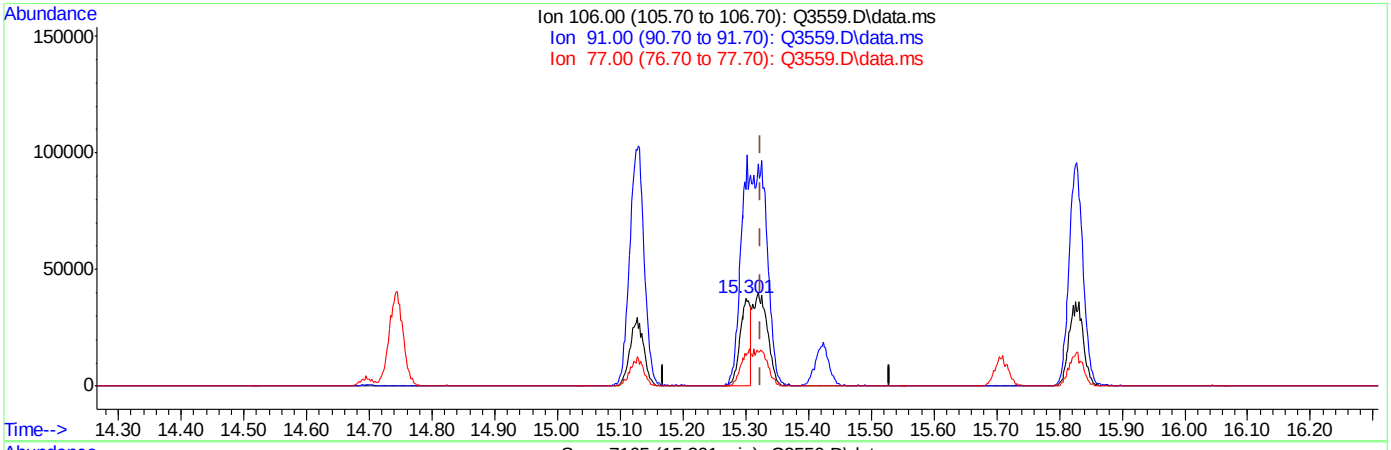
Scan 7749 (16.338 min): Q3559.D\data.ms
IC193-5 (M017)

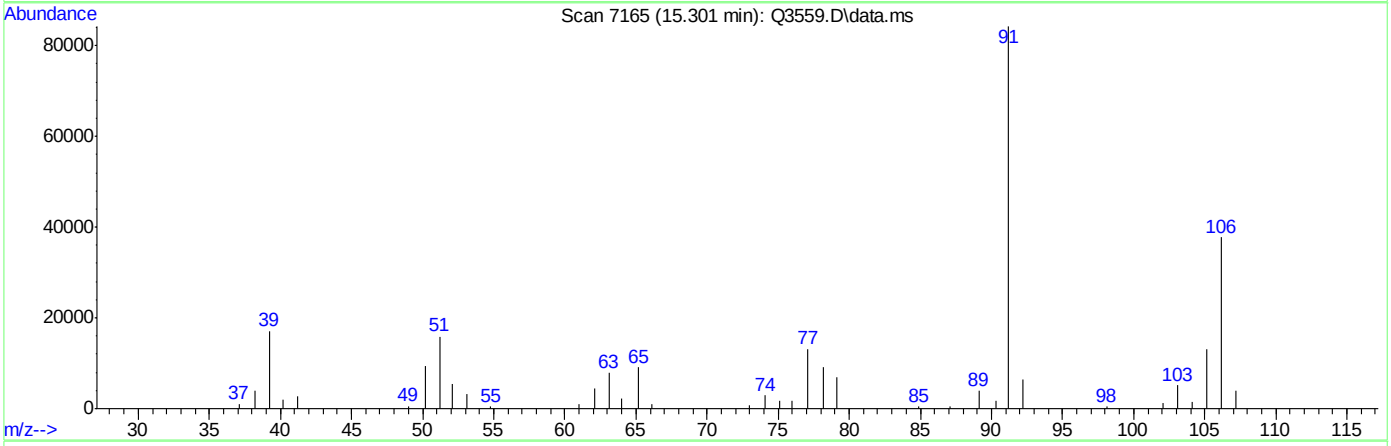
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
143.00	1611						
174.00	49120						
175.00	3371						
176.00	47272						
177.10	2966						

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3559.D
Acq On : 30 May 2007 11:43 am
Operator : PhilipB
Sample : IC193-5 (M017)
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 30 12:30:41 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 11:28:58 2007
Response via : Initial Calibration





TIC: Q3559.D\data.ms

(56) m,p-XYLENE (m)

15.301min (-0.023) 4.72PPBV

response 44331

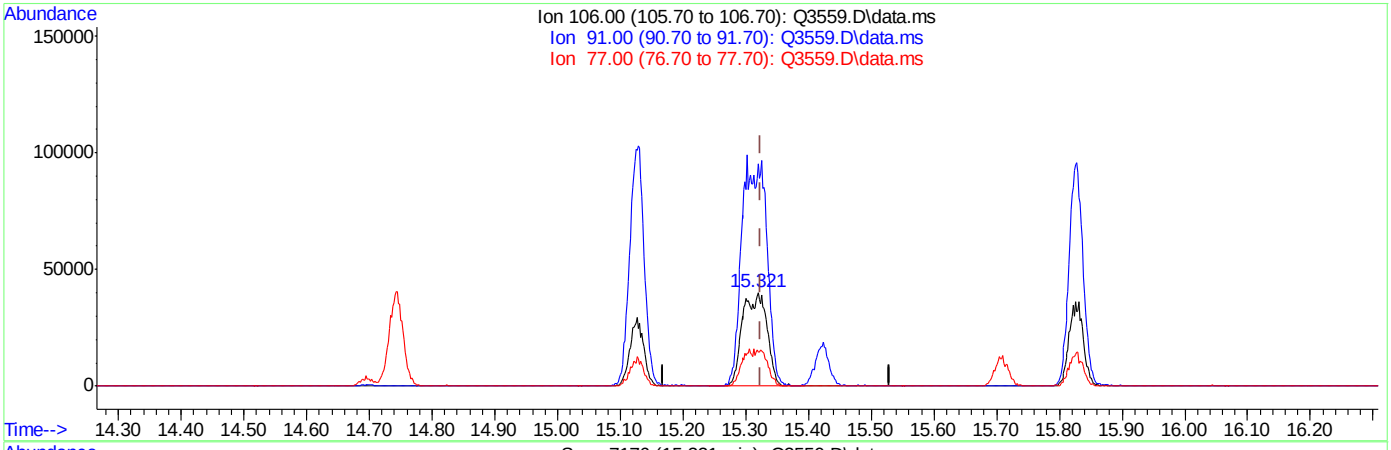
Ion	Exp%	Act%
106.00	100	100
91.00	204.20	223.05
77.00	30.60	34.83
0.00	0.00	0.00

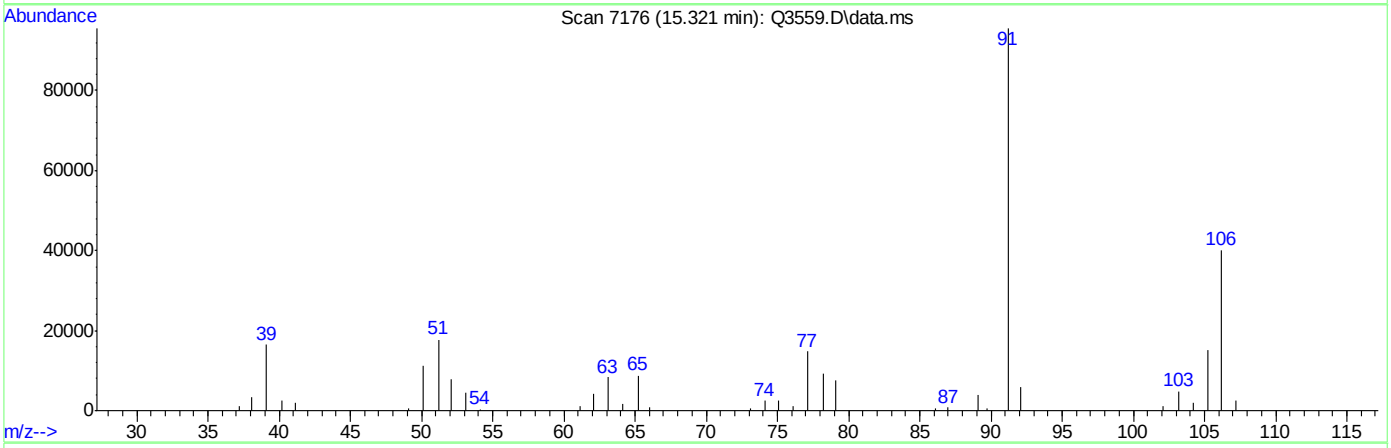
ACCUTEST Laboratories M65503

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3559.D
Acq On : 30 May 2007 11:43 am
Operator : PhilipB
Sample : IC193-5 (M017)
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 30 12:30:41 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 11:28:58 2007
Response via : Initial Calibration





TIC: Q3559.D\data.ms

(56) m,p-XYLENE (m)

15.321min (-0.003) 11.65PPBV m

response 109447

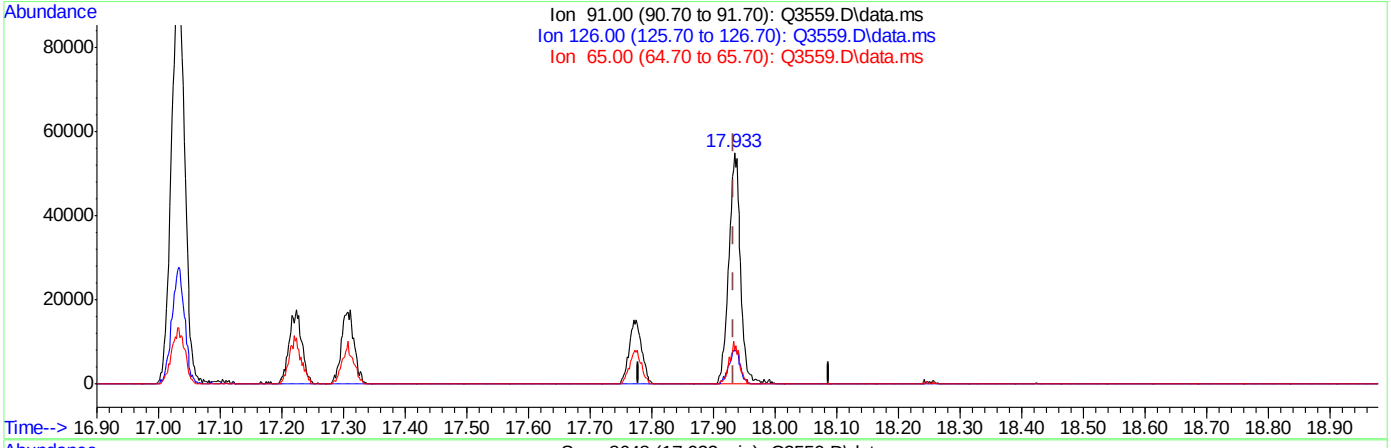
Ion	Exp%	Act%
106.00	100	100
91.00	204.20	237.99
77.00	30.60	36.72
0.00	0.00	0.00

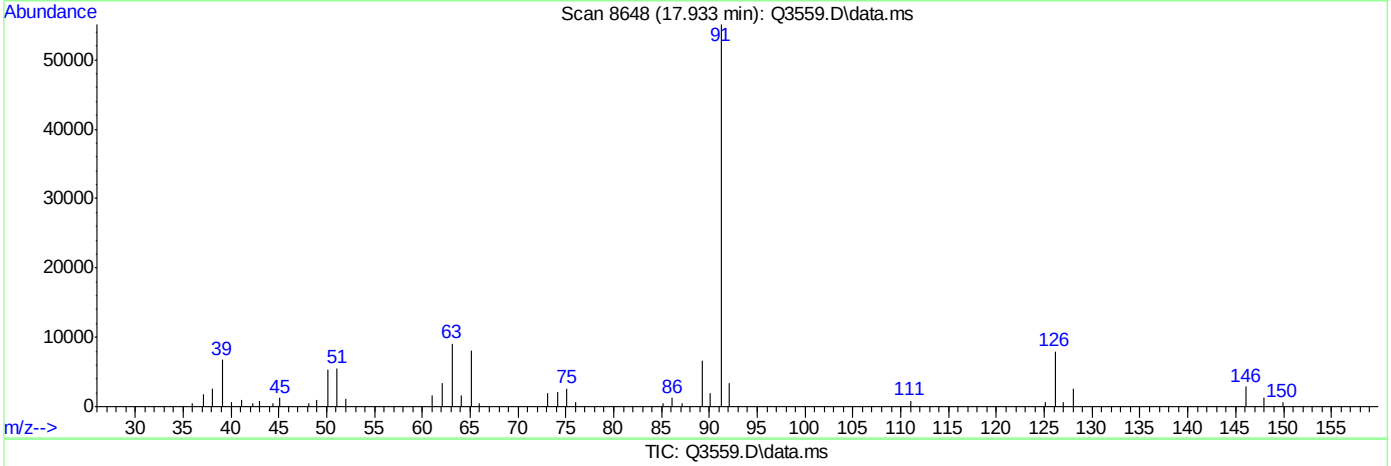
ACCUTEST Laboratories M65503

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3559.D
Acq On : 30 May 2007 11:43 am
Operator : PhilipB
Sample : IC193-5 (M017)
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 30 12:31:09 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 11:28:58 2007
Response via : Initial Calibration





(69) BENZYL CHLORIDE (m)

17.933min (+0.000) 9.80PPBV

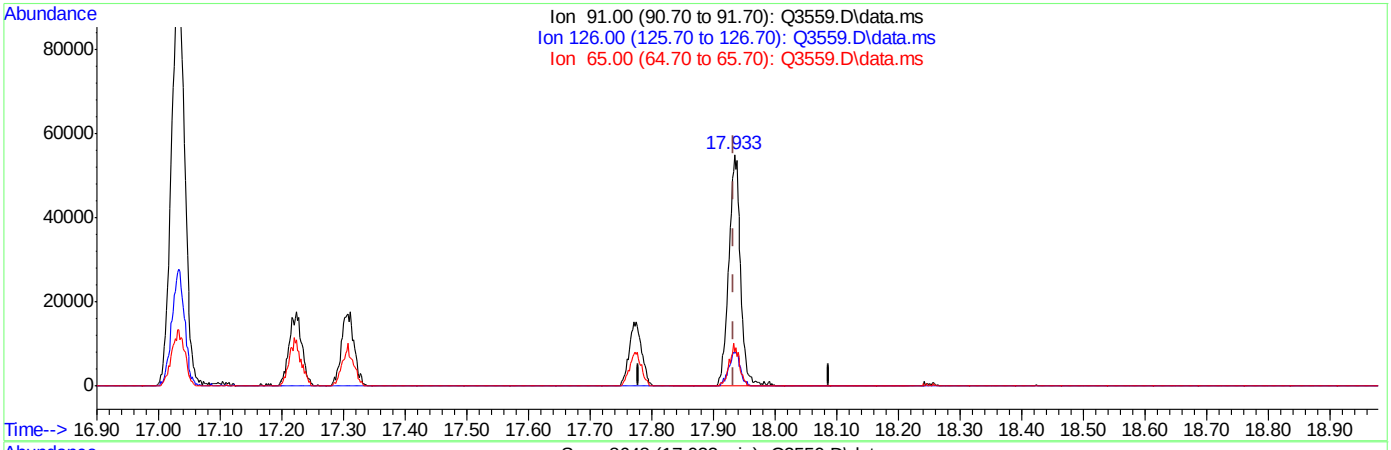
response 73746

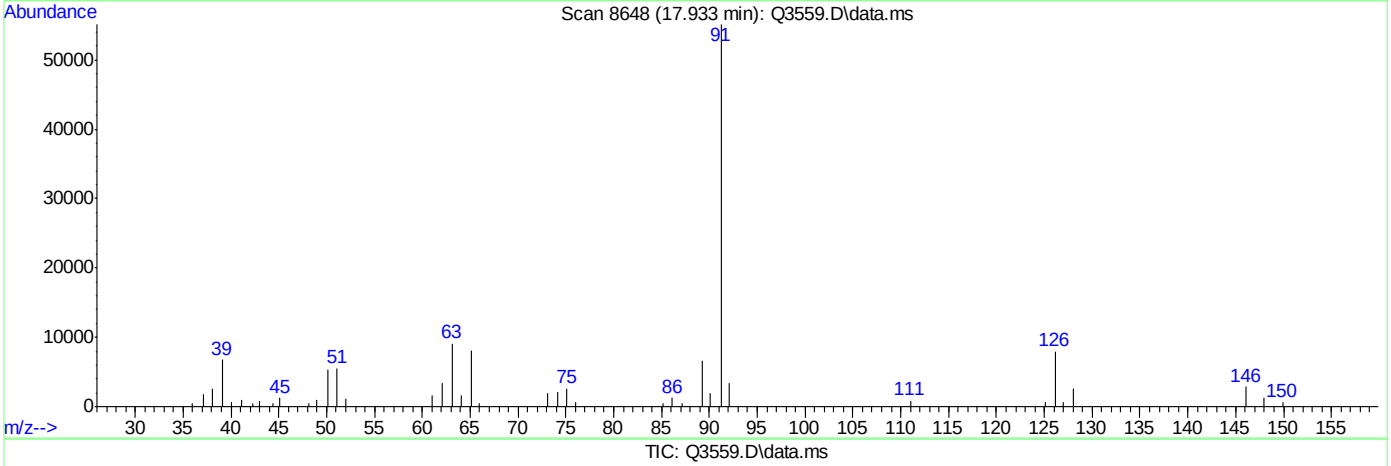
Ion	Exp%	Act%
91.00	100	100
126.00	20.90	14.63
65.00	12.30	15.78
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3559.D
Acq On : 30 May 2007 11:43 am
Operator : PhilipB
Sample : IC193-5 (M017)
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 30 12:31:09 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 11:28:58 2007
Response via : Initial Calibration





(69) BENZYL CHLORIDE (m)

17.933min (+0.000) 9.89PPBV m

response 74411

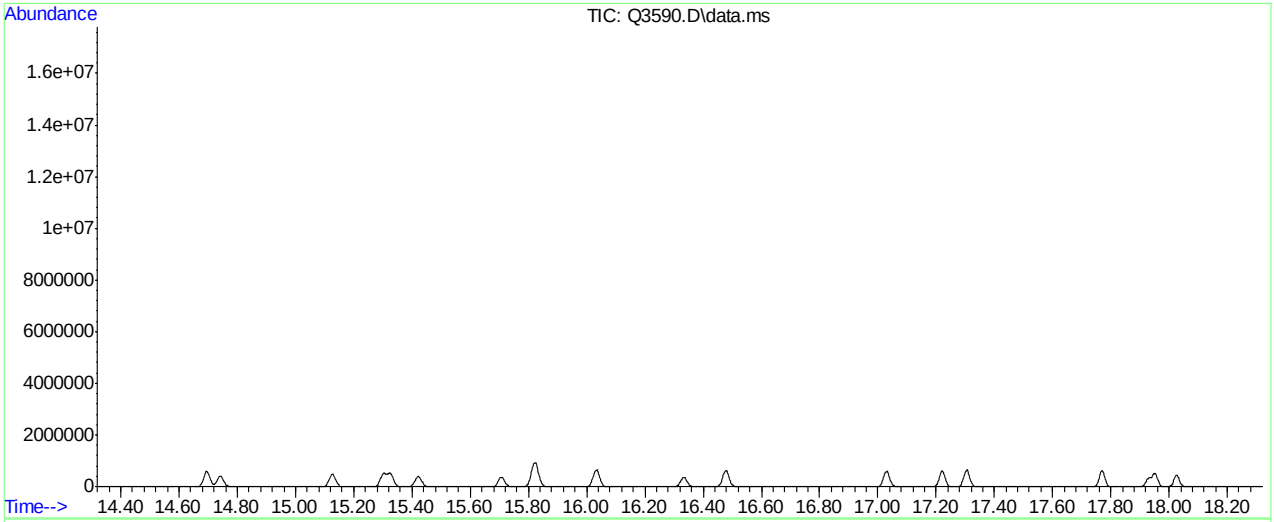
Ion	Exp%	Act%
91.00	100	100
126.00	20.90	14.50
65.00	12.30	15.64
0.00	0.00	0.00

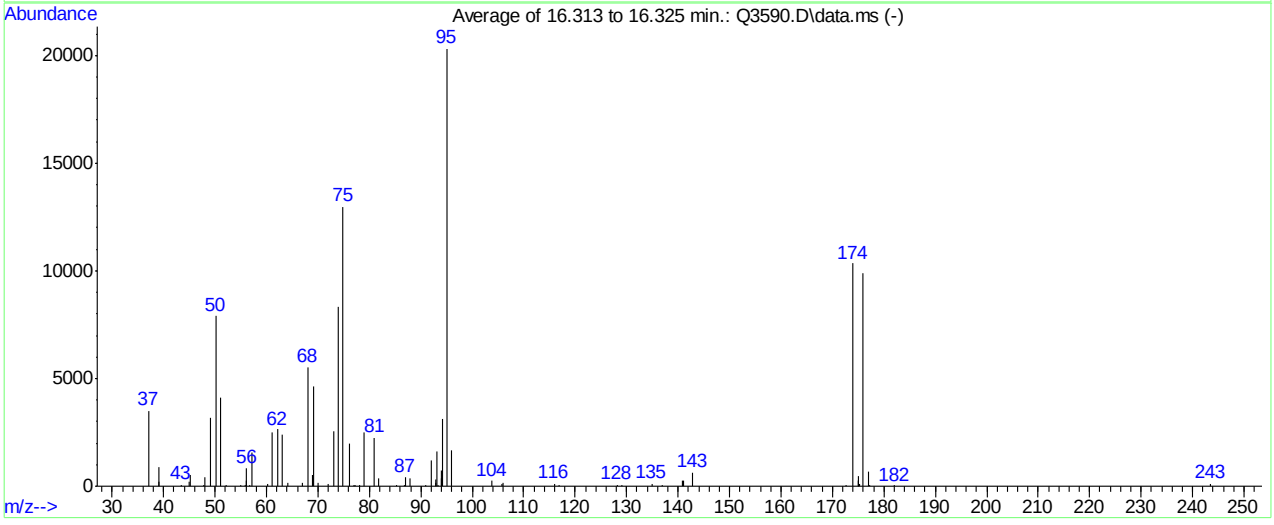
BFB

Data File : C:\msdchem\1\DATA\Q3590.D
Acq On : 1 Jun 2007 3:56 pm
Sample : CC193-10 (M021)
Misc : MS13676, MSQ195,,,,,1
MS Integration Params: LSCINT.P

Vial: 3
Operator: PhilipB
Inst : MAMSQ
Multiplr: 1.00

Method : C:\msdchem\1\METHODS\Q053007T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um





Spectrum Information: Average of 16.313 to 16.325 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	38.9	7903	PASS
75	95	30	66	63.9	12982	PASS
95	95	100	100	100.0	20323	PASS
96	95	5	9	8.3	1688	PASS
173	174	0.00	2	0.6	63	PASS
174	95	50	120	50.9	10337	PASS
175	174	4	9	4.4	453	PASS
176	174	93	101	95.6	9885	PASS
177	176	5	9	6.7	661	PASS

Q3590.D Q053007T.m Fri Jun 01 16:37:19 2007 RPT1

Average of 16.313 to 16.325 min.: Q3590.D\data.ms
CC193-10 (M021)
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
37.10	3490	52.20	51	64.20	154	76.90	54
39.00	209	55.00	61	67.00	153	77.20	51
39.15	876	55.90	56	68.05	5541	78.10	58
43.40	58	56.00	262	68.95	505	79.00	2509
45.00	222	56.15	859	69.15	4608	80.95	2243
45.15	537	56.70	73	69.95	163	81.85	344
47.80	58	57.10	1542	72.00	84	85.30	50
48.10	432	60.20	110	73.05	2533	86.80	50
49.15	3199	61.10	2504	74.05	8347	86.95	418
50.10	7903	62.10	2648	74.90	12982	87.95	383
51.10	4137	63.10	2385	76.15	1971	91.00	50

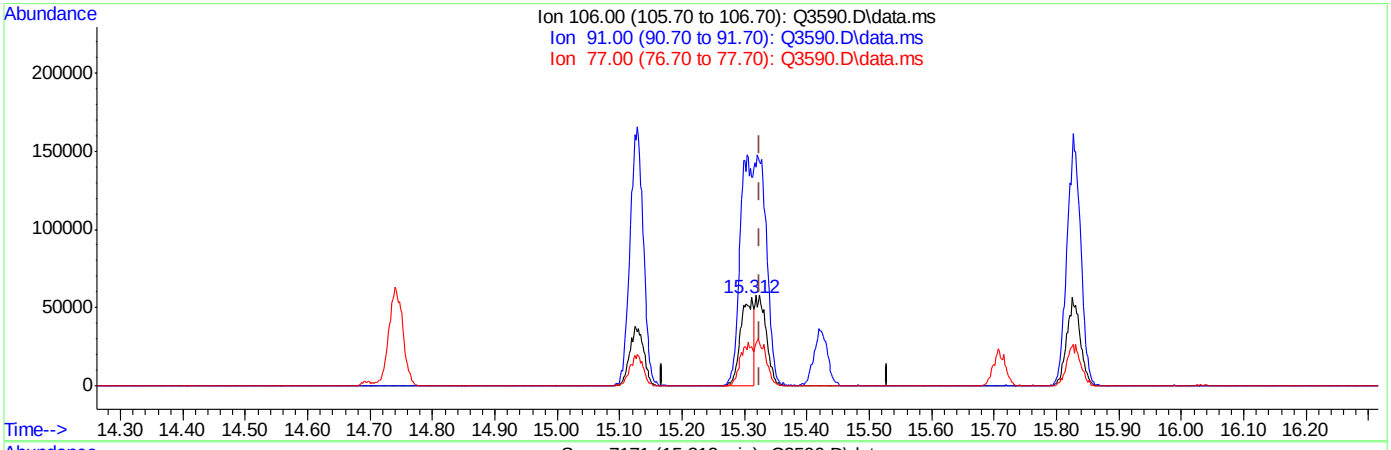
Average of 16.313 to 16.325 min.: Q3590.D\data.ms
CC193-10 (M021)
Modified:subtracted

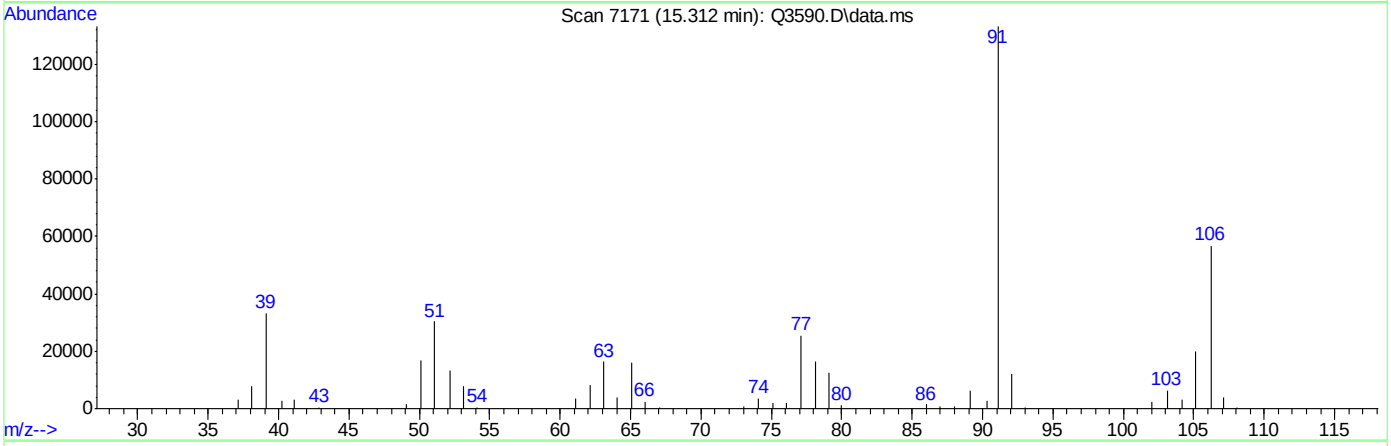
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
92.05	1218	105.70	116	172.70	63		
92.80	144	106.05	163	174.05	10337		
92.90	293	116.00	115	174.95	280		
93.05	1590	116.90	55	175.00	240		
93.30	61	128.10	53	175.10	453		
93.90	386	129.10	74	175.30	87		
94.00	755	134.85	131	176.00	9885		
94.15	3105	137.00	78	176.95	661		
95.05	20323	140.80	251	177.20	55		
96.00	1688	141.00	251	182.10	50		
103.90	250	142.90	643	243.50	121		

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3590.D
Acq On : 1 Jun 2007 3:56 pm
Operator : PhilipB
Sample : CC193-10 (M021)
Misc : MS13676, MSQ195,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 01 16:29:03 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Jun 01 16:17:24 2007
Response via : Initial Calibration





TIC: Q3590.D\data.ms

(56) m,p-XYLENE (m)

15.312min (-0.012) 10.72PPBV

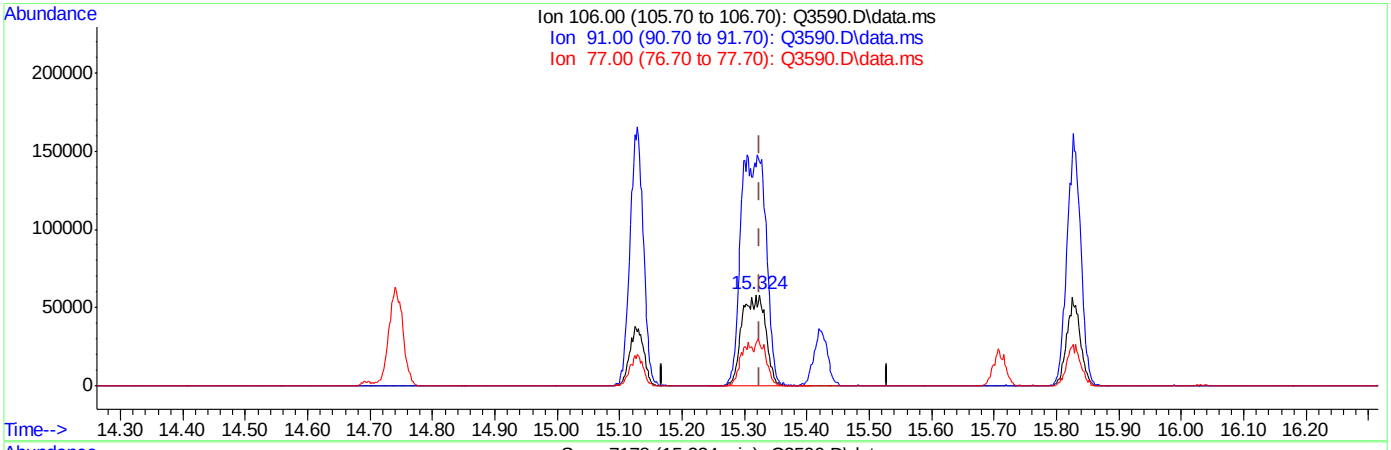
response 81777

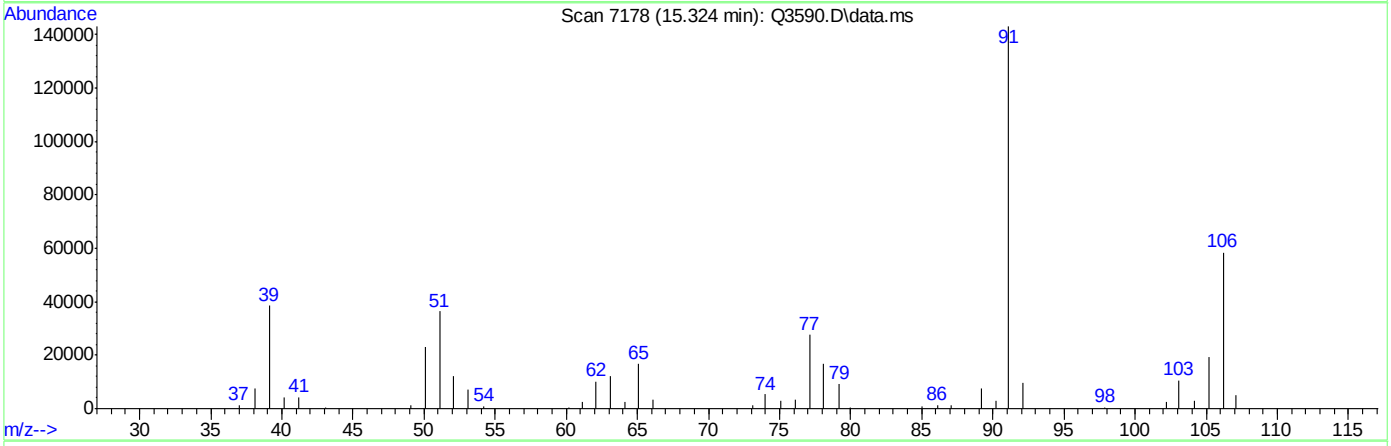
Ion	Exp%	Act%
106.00	100	100
91.00	204.20	235.06
77.00	30.60	44.89#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3590.D
Acq On : 1 Jun 2007 3:56 pm
Operator : PhilipB
Sample : CC193-10 (M021)
Misc : MS13676, MSQ195,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 01 16:29:03 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Jun 01 16:17:24 2007
Response via : Initial Calibration





TIC: Q3590.D\data.ms

(56) m,p-XYLENE (m)

15.324min (+0.000) 20.06PPBV m

response 152962

Ion	Exp%	Act%
106.00	100	100
91.00	204.20	245.10#
77.00	30.60	47.27#
0.00	0.00	0.00

ACCUTEST Laboratories M65503

Manual Integrations APPROVED (compounds with "m" flag)
Philip Bassignani
06/18/07 11:53

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10580.D
Acq On : 7 Jun 2007 9:39 am
Operator : danat
Sample : ic548-0.5 (m122)
Misc : MS13684, MSJ548,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 07 10:12:48 2007
Quant Method : C:\MSDCHEM\1\METHODS\J060707T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jun 07 10:11:07 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	396095	10.00	PPBV	0.01
35) 1,4-DIFLUOROBENZENE	10.43	114	1783950	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.67	117	1514383	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.29	95	419255	4.68	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 93.60%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.07	85	60407	0.43	PPBV	98
3) PROPYLENE	4.01	41	11607	0.46	PPBV	87
4) FREON 114	4.33	85	53606	0.43	PPBV	99
5) CHLOROMETHANE	4.24	50	14589	0.43	PPBV	86
6) VINYL CHLORIDE	4.45	62	16270	0.41	PPBV	95
7) 1,3-BUTADIENE	4.58	39	11535	0.42	PPBV	88
8) BROMOMETHANE	4.86	94	18396	0.43	PPBV #	14
9) CHLOROETHANE	5.04	64	8006	0.44	PPBV	76
10) TRICHLOROFLUOROMETHANE	5.80	101	59965	0.44	PPBV	99
11) ISOPROPYL ALCOHOL	6.02	45	21552m	0.49	PPBV	
12) ACETONE	5.69	43	30759	0.55	PPBV	99
13) PENTANE	6.14	42	16385	0.47	PPBV	96
14) 1,1-DICHLOROETHYLENE	6.43	96	16906	0.43	PPBV	94
15) CARBON DISULFIDE	6.85	76	54843	0.46	PPBV	96
16) ETHANOL	5.29	45	3465m	0.41	PPBV	
17) BROMOETHENE	5.38	106	16921	0.41	PPBV	98
18) METHYLENE CHLORIDE	6.56	84	64337	0.77	PPBV	99
19) 3-CHLOROPROPENE	6.67	39	12725	0.45	PPBV	92
20) FREON 113	6.79	151	43178	0.49	PPBV	96
21) TRANS-1,2-DICHLOROETHYLENE	7.46	96	16386	0.42	PPBV	100
22) TERTIARY BUTYL ALCOHOL	6.64	59	16240	0.35	PPBV #	64
23) METHYL TERTIARY BUTYL ETHE	7.77	73	32037	0.41	PPBV	86
24) TETRAHYDROFURAN	9.24	42	9279	0.40	PPBV	87
25) HEXANE	8.63	57	49085	0.87	PPBV	97
26) VINYL ACETATE	7.81	43	20838	0.41	PPBV #	83
27) 1,1-DICHLOROETHANE	7.65	63	28729	0.44	PPBV	99
28) METHYL ETHYL KETONE	8.11	43	19331	0.43	PPBV	96
29) cis-1,2-DICHLOROETHYLENE	8.46	96	16659	0.45	PPBV	97
30) ETHYL ACETATE	8.71	43	19756	0.42	PPBV #	93
31) CHLOROFORM	8.74	83	44399	0.50	PPBV	98
32) 1,1,1-TRICHLOROETHANE	9.68	97	44320	0.46	PPBV	98
33) CARBON TETRACHLORIDE	10.26	117	50382	0.45	PPBV	100
34) 1,2-DICHLOROETHANE	9.45	62	20290	0.41	PPBV	98
36) BENZENE	10.12	78	39265	0.42	PPBV	98
37) CYCLOHEXANE	10.37	84	16933	0.40	PPBV	94
38) TRICHLOROETHYLENE	11.11	95	21534	0.44	PPBV	97
39) 1,2-DICHLOROPROPANE	10.89	63	12928	0.41	PPBV	99
40) BROMODICHLOROMETHANE	11.08	83	35202	0.45	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.12	57	56161	0.41	PPBV	97
42) 1,4-DIOXANE	11.27	88	2900m	0.21	PPBV	
43) HEPTANE	11.35	43	19404	0.44	PPBV	96

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10580.D
Acq On : 7 Jun 2007 9:39 am
Operator : danat
Sample : ic548-0.5 (m122)
Misc : MS13684, MSJ548,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 07 10:12:48 2007
Quant Method : C:\MSDCHEM\1\METHODS\J060707T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jun 07 10:11:07 2007
Response via : Initial Calibration

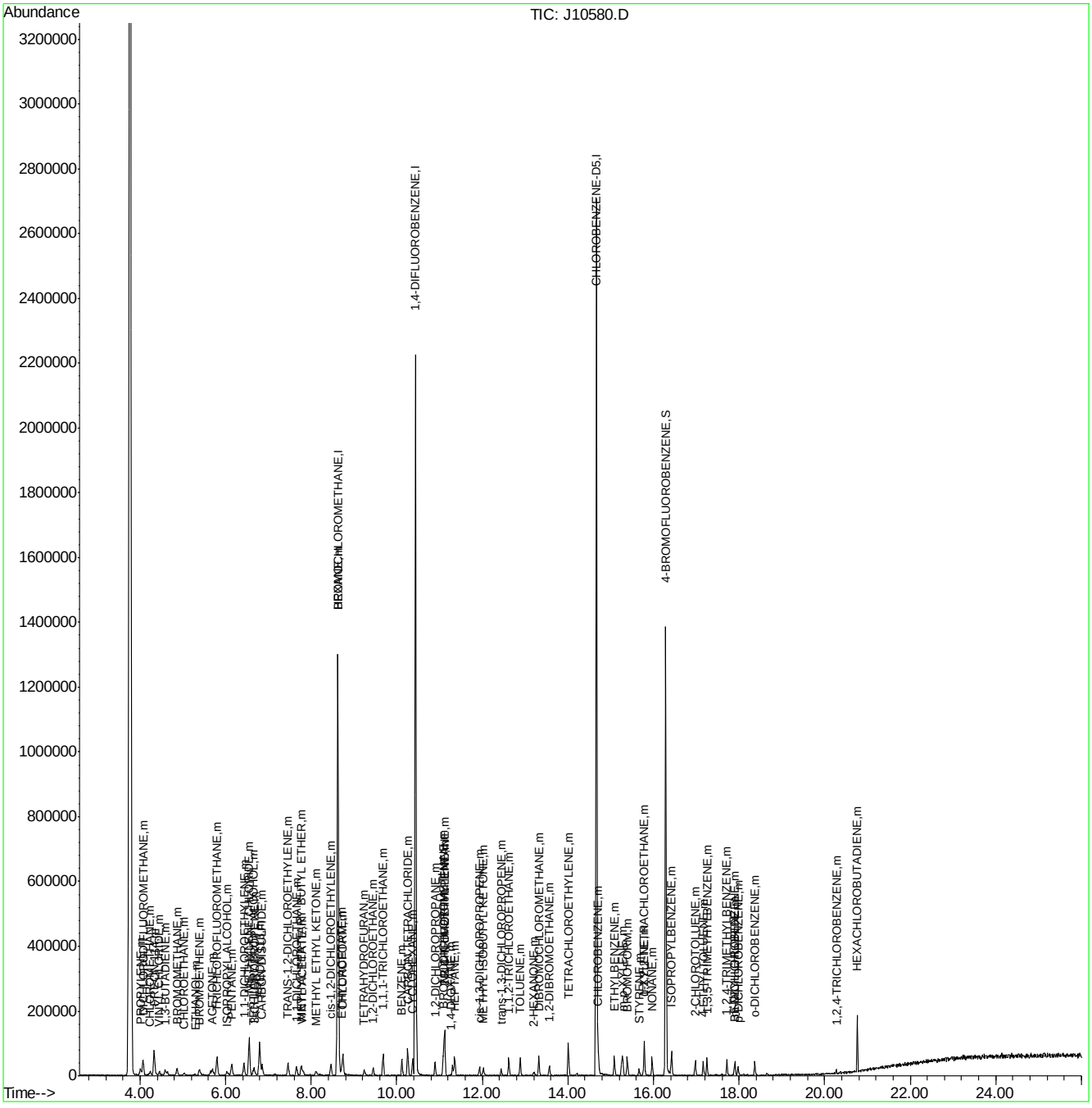
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.02	43	18426	0.42	PPBV	92
45) cis-1,3-DICHLOROPROPENE	11.93	75	13208	0.31	PPBV	95
46) TOLUENE	12.89	92	22951	0.38	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.44	75	10082	0.31	PPBV	97
48) 1,1,2-TRICHLOROETHANE	12.62	83	12944	0.40	PPBV	97
50) 2-HEXANONE	13.20	43	10402	0.34	PPBV	79
51) TETRACHLOROETHYLENE	14.01	164	23932	0.44	PPBV	99
52) DIBROMOCHLOROMETHANE	13.32	129	31097	0.42	PPBV	97
53) 1,2-DIBROMOETHANE	13.56	107	19552	0.37	PPBV	96
54) CHLOROBENZENE	14.71	112	31803	0.40	PPBV	96
55) ETHYLBENZENE	15.09	91	37919	0.34	PPBV	98
56) m,p-XYLENE	15.28	106	28253	0.63	PPBV	94
57) o-XYLENE	15.78	106	14688	0.33	PPBV	96
58) STYRENE	15.66	104	10930	0.22	PPBV	99
59) NONANE	15.97	43	16670	0.35	PPBV	95
60) BROMOFORM	15.39	173	26491	0.39	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.79	83	28502	0.43	PPBV	99
63) ISOPROPYLBENZENE	16.42	105	42565	0.33	PPBV	99
64) 2-CHLOROTOLUENE	16.98	91	27153	0.32	PPBV	97
65) 4-ETHYLTOLUENE	17.17	105	27863	0.29	PPBV	98
66) 1,3,5-TRIMETHYLBENZENE	17.25	105	29875	0.31	PPBV	97
67) 1,2,4-TRIMETHYLBENZENE	17.72	105	23969	0.29	PPBV	97
68) m-DICHLOROBENZENE	17.90	146	15947	0.25	PPBV	97
69) BENZYL CHLORIDE	17.88	91	8017	0.19	PPBV	90
70) p-DICHLOROBENZENE	17.97	146	13154	0.23	PPBV	91
71) o-DICHLOROBENZENE	18.37	146	17358	0.30	PPBV	93
72) HEXACHLOROBUTADIENE	20.76	225	28251	0.54	PPBV	96
73) 1,2,4-TRICHLOROBENZENE	20.28	180	4430	0.19	PPBV	90

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10580.D
Acq On : 7 Jun 2007 9:39 am
Operator : danat
Sample : ic548-0.5 (m122)
Misc : MS13684, MSJ548,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 07 10:12:48 2007
Quant Method : C:\MSDCHEM\1\METHODS\J060707T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jun 07 10:11:07 2007
Response via : Initial Calibration

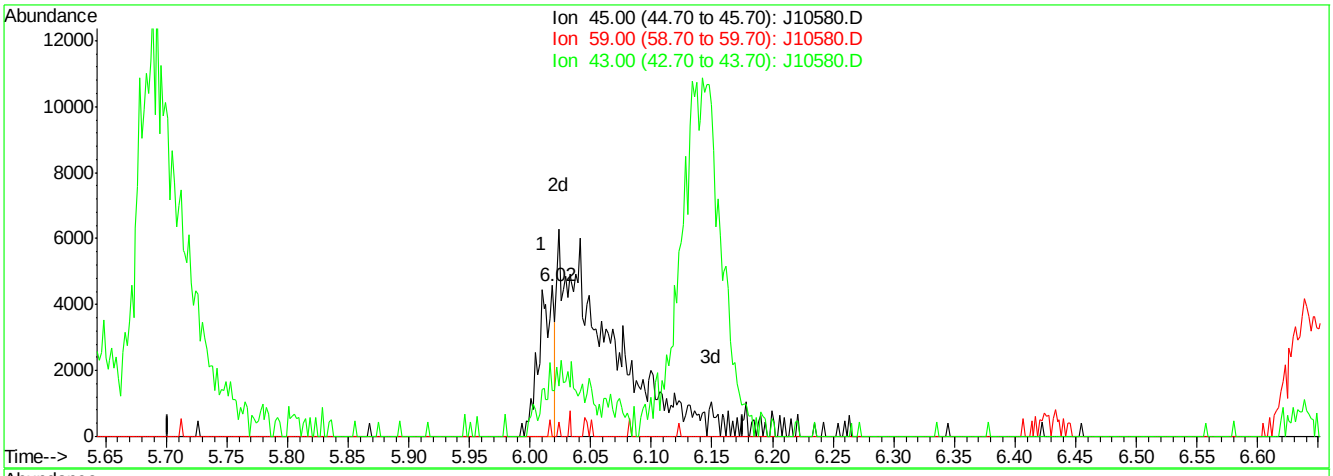


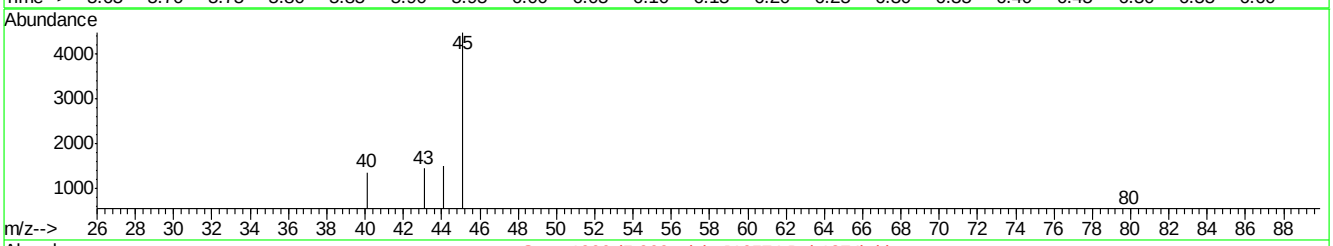
Quantitation Report (Qedit)

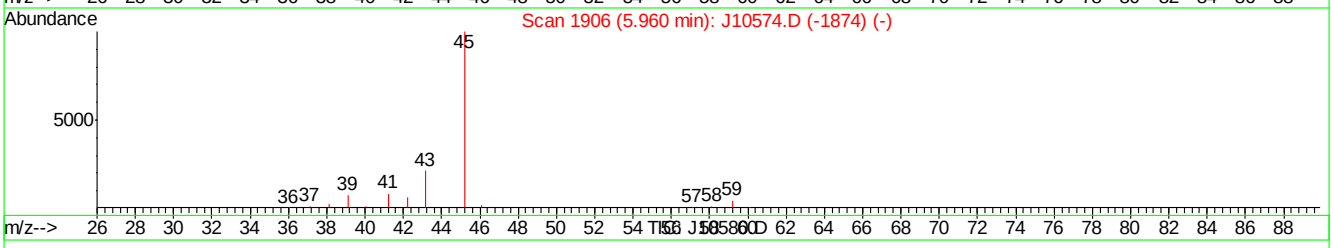
Data File : C:\MSDChem\1\data\J10580.D Vial: 1
Acq On : 7 Jun 2007 9:39 am Operator: danat
Sample : ic548-0.5 (m122) Inst : MSJ
Misc : MS13684, MSJ548,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 07 10:11:17 2007 Results File: J060707T.RES

Method : C:\MSDCHEM\1\METHODS\J060707T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jun 07 10:11:07 2007
Response via : Multiple Level Calibration







(11) ISOPROPYL ALCOHOL (m)

6.01min 0.09PPBV

response 3923

Ion	Exp%	Act%
45.00	100	100
59.00	4.40	0.00
43.00	21.90	32.31
0.00	0.00	0.00

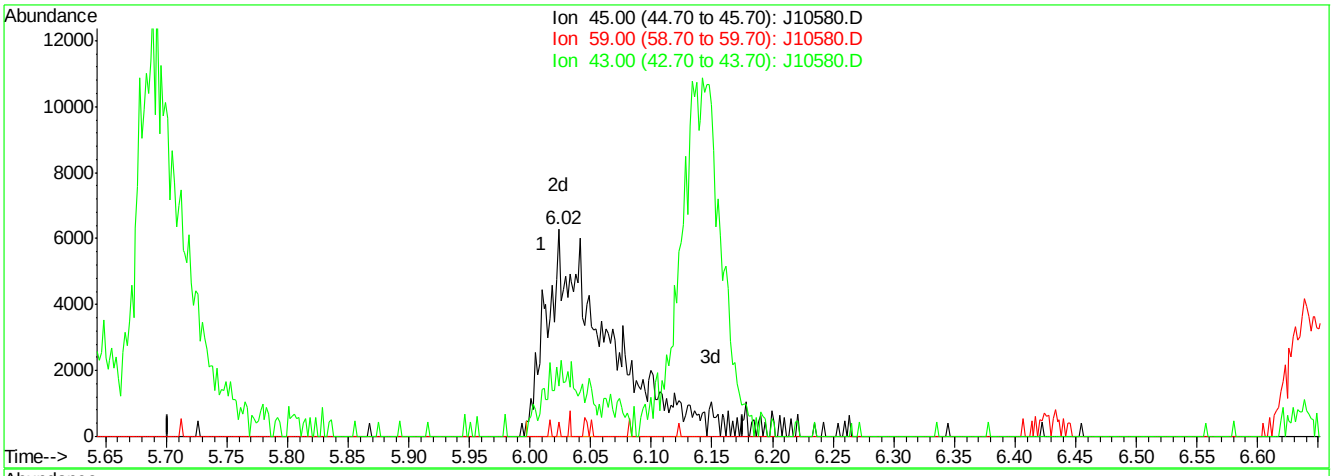
J10580.D J060707T.M Thu Jun 07 10:11:50 2007

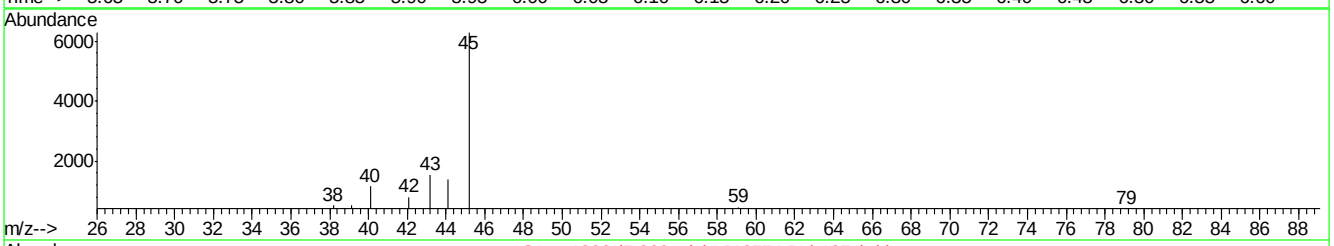
Quantitation Report (Qedit)

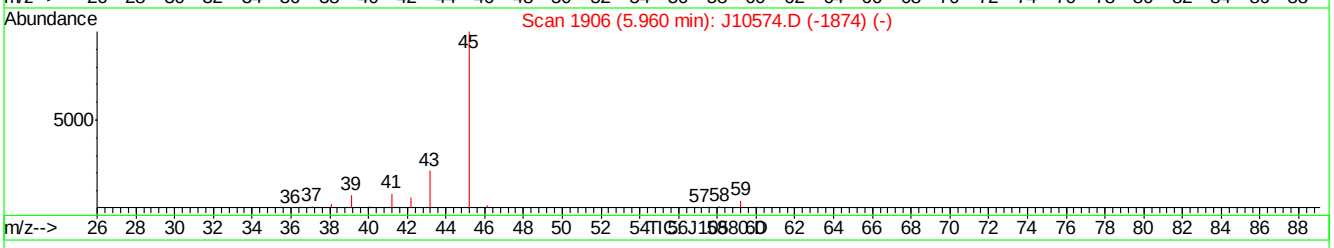
Data File : C:\MSDChem\1\data\J10580.D Vial: 1
Acq On : 7 Jun 2007 9:39 am Operator: danat
Sample : ic548-0.5 (m122) Inst : MSJ
Misc : MS13684, MSJ548,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 07 10:11:17 2007 Results File: J060707T.RES

Method : C:\MSDCHEM\1\METHODS\J060707T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jun 07 10:11:07 2007
Response via : Multiple Level Calibration







(11) ISOPROPYL ALCOHOL (m)

6.02min 0.49PPBV m

response 21552

Ion	Exp%	Act%
45.00	100	100
59.00	4.40	7.28
43.00	21.90	24.31
0.00	0.00	0.00

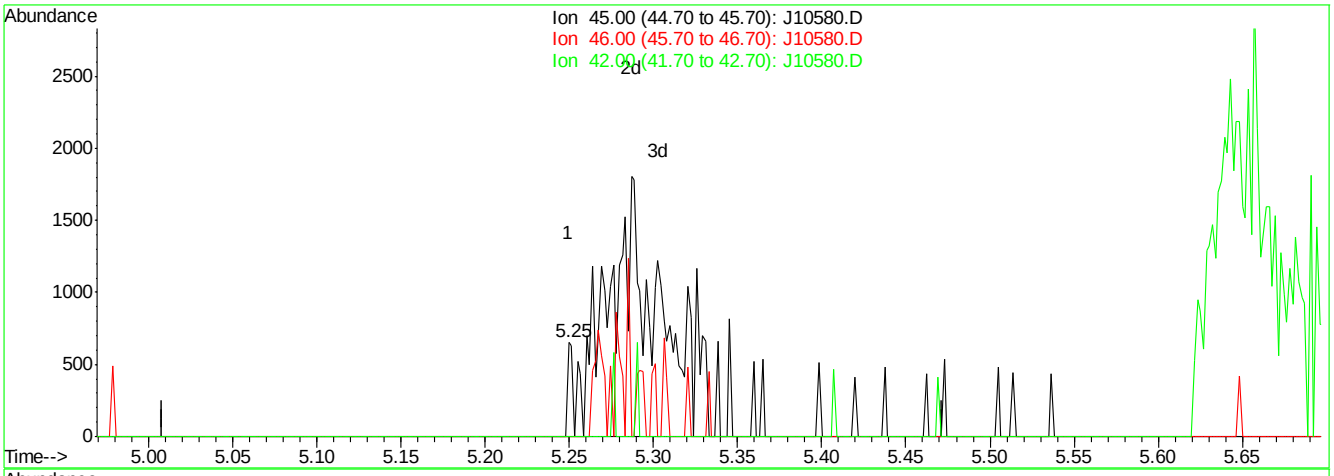
J10580.D J060707T.M Thu Jun 07 10:11:59 2007

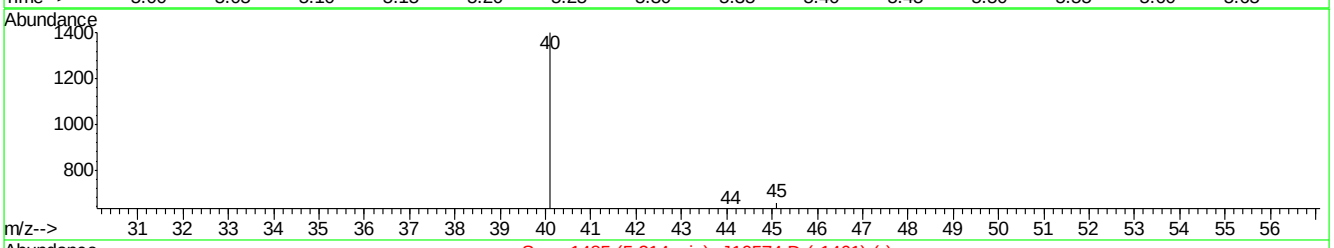
Quantitation Report (Qedit)

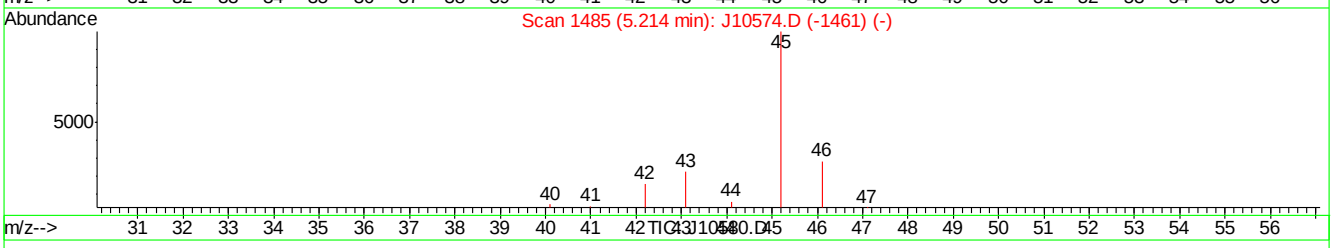
Data File : C:\MSDChem\1\data\J10580.D Vial: 1
Acq On : 7 Jun 2007 9:39 am Operator: danat
Sample : ic548-0.5 (m122) Inst : MSJ
Misc : MS13684, MSJ548,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 07 10:11:17 2007 Results File: J060707T.RES

Method : C:\MSDCHEM\1\METHODS\J060707T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jun 07 10:11:07 2007
Response via : Multiple Level Calibration







(16) ETHANOL (m)

5.25min 0.03PPBV

response 238

Ion	Exp%	Act%
45.00	100	100
46.00	30.00	142.86#
42.00	6.30	0.00
0.00	0.00	0.00

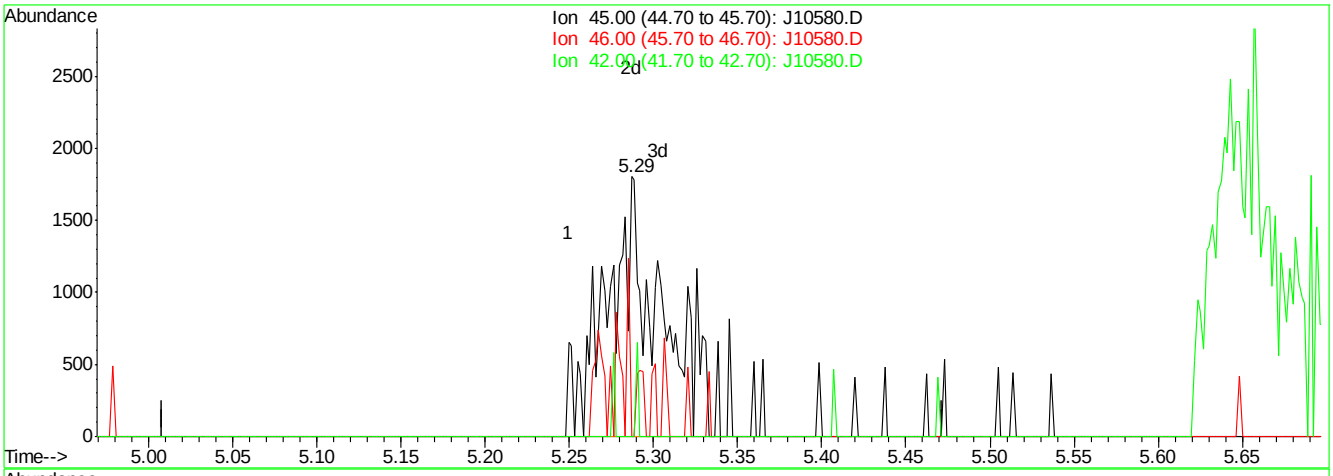
J10580.D J060707T.M Thu Jun 07 10:12:08 2007

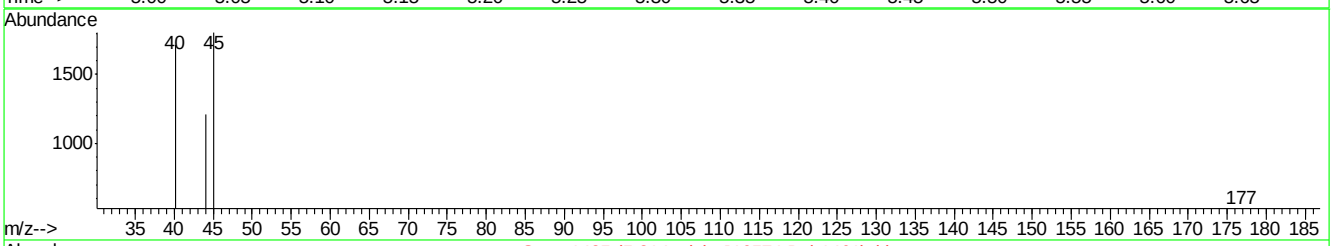
Quantitation Report (Qedit)

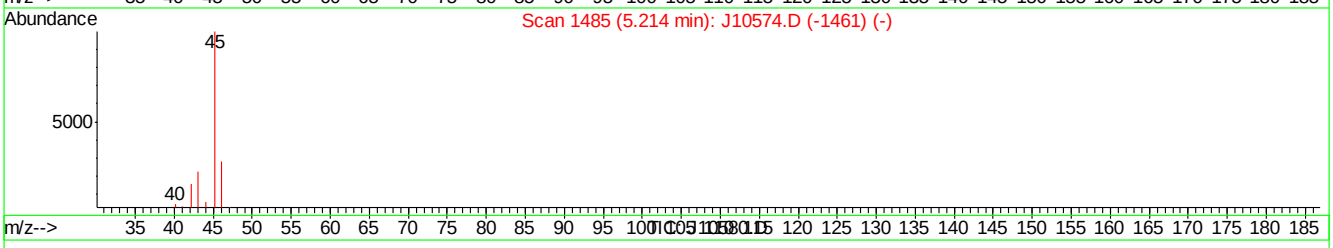
Data File : C:\MSDChem\1\data\J10580.D Vial: 1
Acq On : 7 Jun 2007 9:39 am Operator: danat
Sample : ic548-0.5 (m122) Inst : MSJ
Misc : MS13684, MSJ548,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 07 10:11:17 2007 Results File: J060707T.RES

Method : C:\MSDCHEM\1\METHODS\J060707T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jun 07 10:11:07 2007
Response via : Multiple Level Calibration







(16) ETHANOL (m)

5.29min 0.41PPBV m

response 3465

Ion	Exp%	Act%
45.00	100	100
46.00	30.00	9.81#
42.00	6.30	0.00
0.00	0.00	0.00

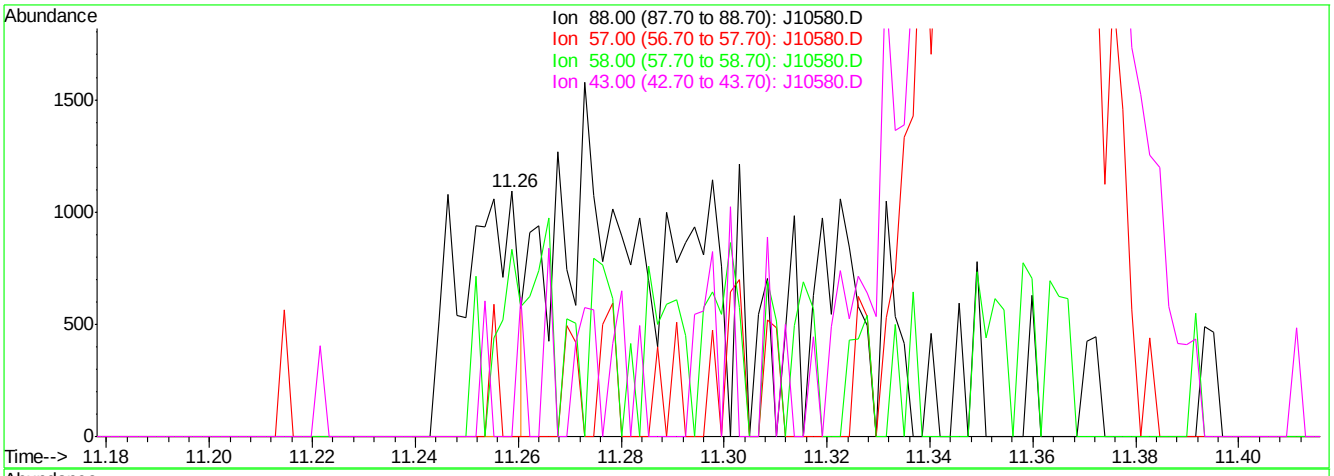
J10580.D J060707T.M Thu Jun 07 10:12:17 2007

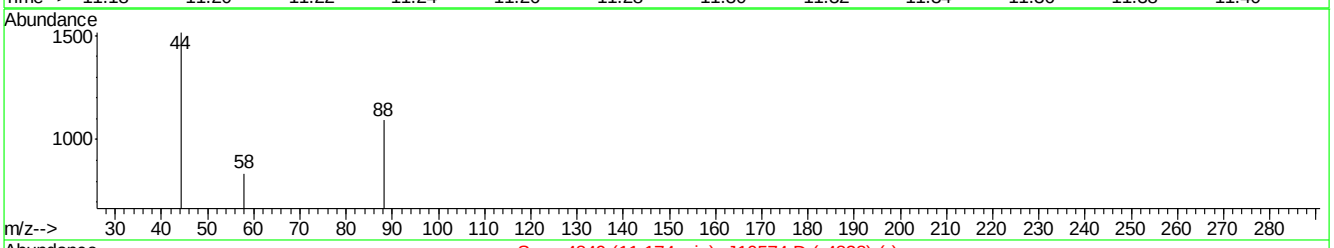
Quantitation Report (Qedit)

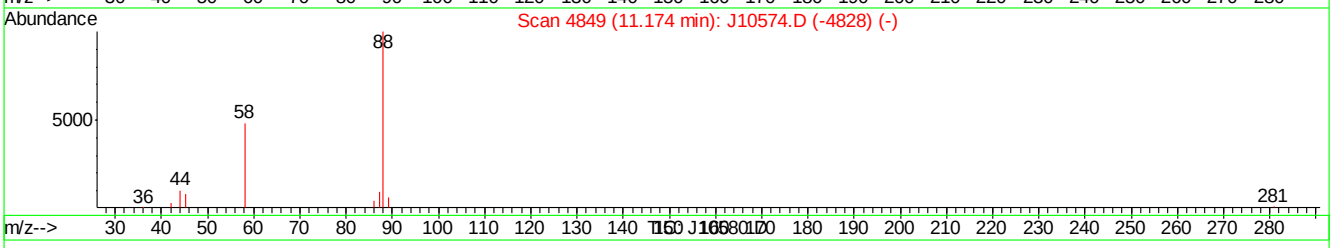
Data File : C:\MSDChem\1\data\J10580.D Vial: 1
Acq On : 7 Jun 2007 9:39 am Operator: danat
Sample : ic548-0.5 (m122) Inst : MSJ
Misc : MS13684, MSJ548,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 07 10:11:17 2007 Results File: J060707T.RES

Method : C:\MSDCHEM\1\METHODS\J060707T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jun 07 10:11:07 2007
Response via : Multiple Level Calibration







(42) 1,4-DIOXANE (m)

11.26min 0.06PPBV

response 847

Ion	Exp%	Act%
88.00	100	100
57.00	23.80	0.00#
58.00	57.70	76.56
43.00	25.00	0.00#

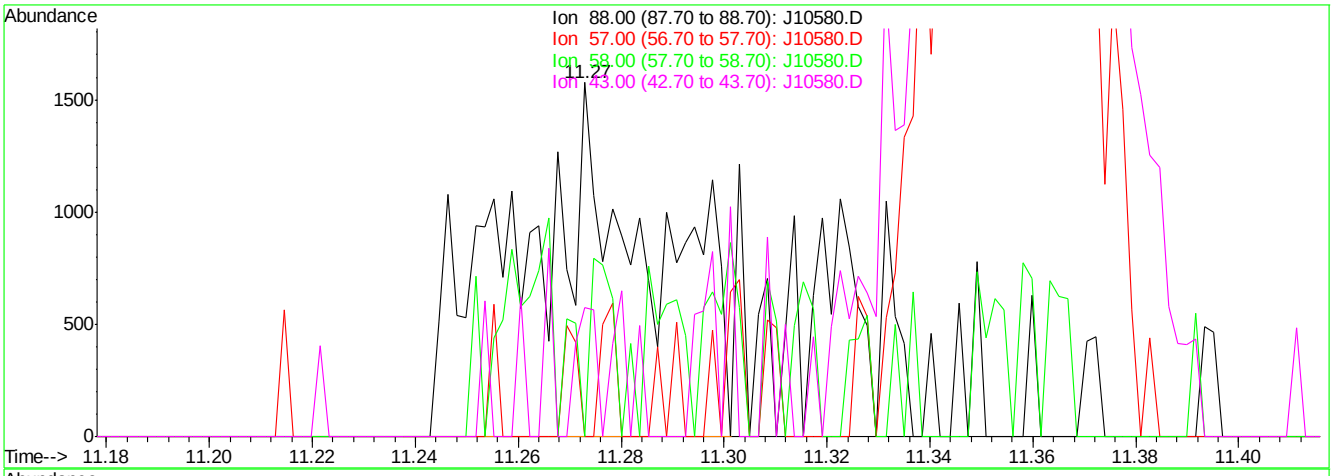
J10580.D J060707T.M Thu Jun 07 10:12:45 2007

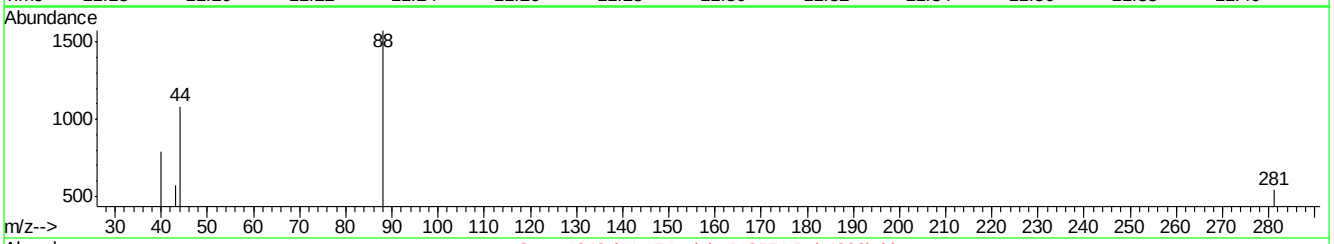
Quantitation Report (Qedit)

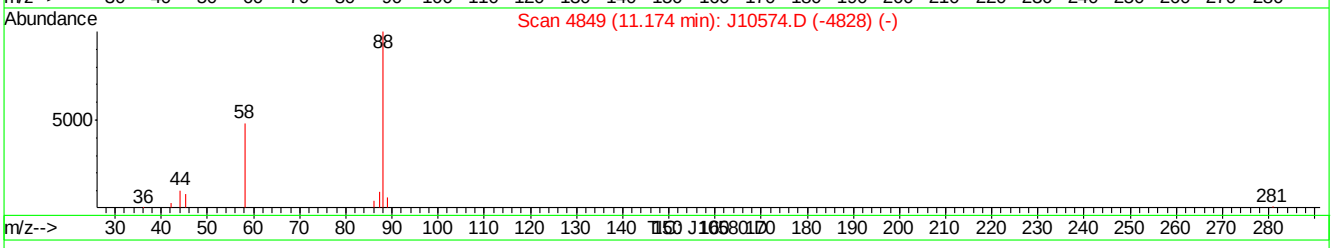
Data File : C:\MSDChem\1\data\J10580.D Vial: 1
Acq On : 7 Jun 2007 9:39 am Operator: danat
Sample : ic548-0.5 (m122) Inst : MSJ
Misc : MS13684, MSJ548,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 07 10:11:17 2007 Results File: J060707T.RES

Method : C:\MSDCHEM\1\METHODS\J060707T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jun 07 10:11:07 2007
Response via : Multiple Level Calibration







(42) 1,4-DIOXANE (m)

11.27min 0.21PPBV m

response 2900

Ion	Exp%	Act%
88.00	100	100
57.00	23.80	0.00#
58.00	57.70	0.00#
43.00	25.00	36.29

J10580.D J060707T.M Thu Jun 07 10:12:52 2007

Manual Integrations APPROVED (compounds with "m" flag)
Philip Bassignani
06/18/07 11:53

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10581.D
Acq On : 7 Jun 2007 10:30 am
Operator : danat
Sample : ic548-0.2 (m122)
Misc : MS13684, MSJ548,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 07 11:10:56 2007
Quant Method : C:\MSDCHEM\1\METHODS\J060707T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jun 07 10:13:39 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	370872	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.43	114	1637674	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.67	117	1332043	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.28	95	337244	4.57	PPBV	-0.01

Spiked Amount 5.000 Range 51 - 142 Recovery = 91.40%

Target Compounds							Qvalue
2) DICHLORODIFLUOROMETHANE	4.07	85	26301	0.23	PPBV		99
3) PROPYLENE	4.00	41	4337	0.20	PPBV		78
4) FREON 114	4.32	85	25161	0.25	PPBV		98
5) CHLOROMETHANE	4.24	50	6635	0.24	PPBV		89
6) VINYL CHLORIDE	4.44	62	7048	0.23	PPBV	#	92
7) 1,3-BUTADIENE	4.58	39	4017	0.19	PPBV	#	80
8) BROMOMETHANE	4.86	94	8180	0.24	PPBV		95
9) CHLOROETHANE	5.03	64	2567m	0.17	PPBV		
10) TRICHLOROFLUOROMETHANE	5.79	101	27802	0.25	PPBV		98
11) ISOPROPYL ALCOHOL	6.07	45	6454	0.16	PPBV		94
12) ACETONE	5.72	43	11442	0.20	PPBV		89
13) PENTANE	6.13	42	6661m	0.22	PPBV		
14) 1,1-DICHLOROETHYLENE	6.43	96	6700	0.21	PPBV		98
15) CARBON DISULFIDE	6.85	76	25008	0.24	PPBV		99
17) BROMOETHENE	5.38	106	6565	0.21	PPBV	#	50
18) METHYLENE CHLORIDE	6.56	84	17087	0.14	PPBV		99
19) 3-CHLOROPROPENE	6.67	39	4014	0.17	PPBV	#	8
20) FREON 113	6.79	151	16014	0.20	PPBV		98
21) TRANS-1,2-DICHLOROETHYLENE	7.47	96	6465	0.21	PPBV		93
22) TERTIARY BUTYL ALCOHOL	6.71	59	5040m	0.17	PPBV		
23) METHYL TERTIARY BUTYL ETHE	7.79	73	10963	0.18	PPBV	#	78
25) HEXANE	8.63	57	10642	0.12	PPBV		91
27) 1,1-DICHLOROETHANE	7.66	63	10993	0.20	PPBV		98
28) METHYL ETHYL KETONE	8.13	43	6216	0.17	PPBV		77
29) cis-1,2-DICHLOROETHYLENE	8.45	96	5925	0.19	PPBV		96
30) ETHYL ACETATE	8.73	43	6979	0.19	PPBV	#	89
31) CHLOROFORM	8.74	83	16091	0.19	PPBV		98
32) 1,1,1-TRICHLOROETHANE	9.67	97	16531	0.20	PPBV		99
33) CARBON TETRACHLORIDE	10.25	117	18993	0.20	PPBV		98
34) 1,2-DICHLOROETHANE	9.45	62	8242	0.22	PPBV		90
36) BENZENE	10.12	78	13247	0.18	PPBV		80
37) CYCLOHEXANE	10.37	84	5355m	0.17	PPBV		
38) TRICHLOROETHYLENE	11.11	95	7512	0.19	PPBV		95
39) 1,2-DICHLOROPROPANE	10.89	63	4961	0.21	PPBV		90
40) BROMODICHLOROMETHANE	11.08	83	12876	0.20	PPBV		97
41) 2,2,4-TRIMETHYLPENTANE	11.12	57	17682	0.17	PPBV		94
43) HEPTANE	11.35	43	5623	0.16	PPBV	#	80
44) METHYL ISOBUTYL KETONE	12.04	43	4679m	0.14	PPBV		
45) cis-1,3-DICHLOROPROPENE	11.93	75	4340	0.18	PPBV		95
46) TOLUENE	12.89	92	7157	0.17	PPBV	#	1
47) trans-1,3-DICHLOROPROPENE	12.43	75	3115	0.17	PPBV		90

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10581.D
Acq On : 7 Jun 2007 10:30 am
Operator : danat
Sample : ic548-0.2 (m122)
Misc : MS13684, MSJ548,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 07 11:10:56 2007
Quant Method : C:\MSDCHEM\1\METHODS\J060707T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jun 07 10:13:39 2007
Response via : Initial Calibration

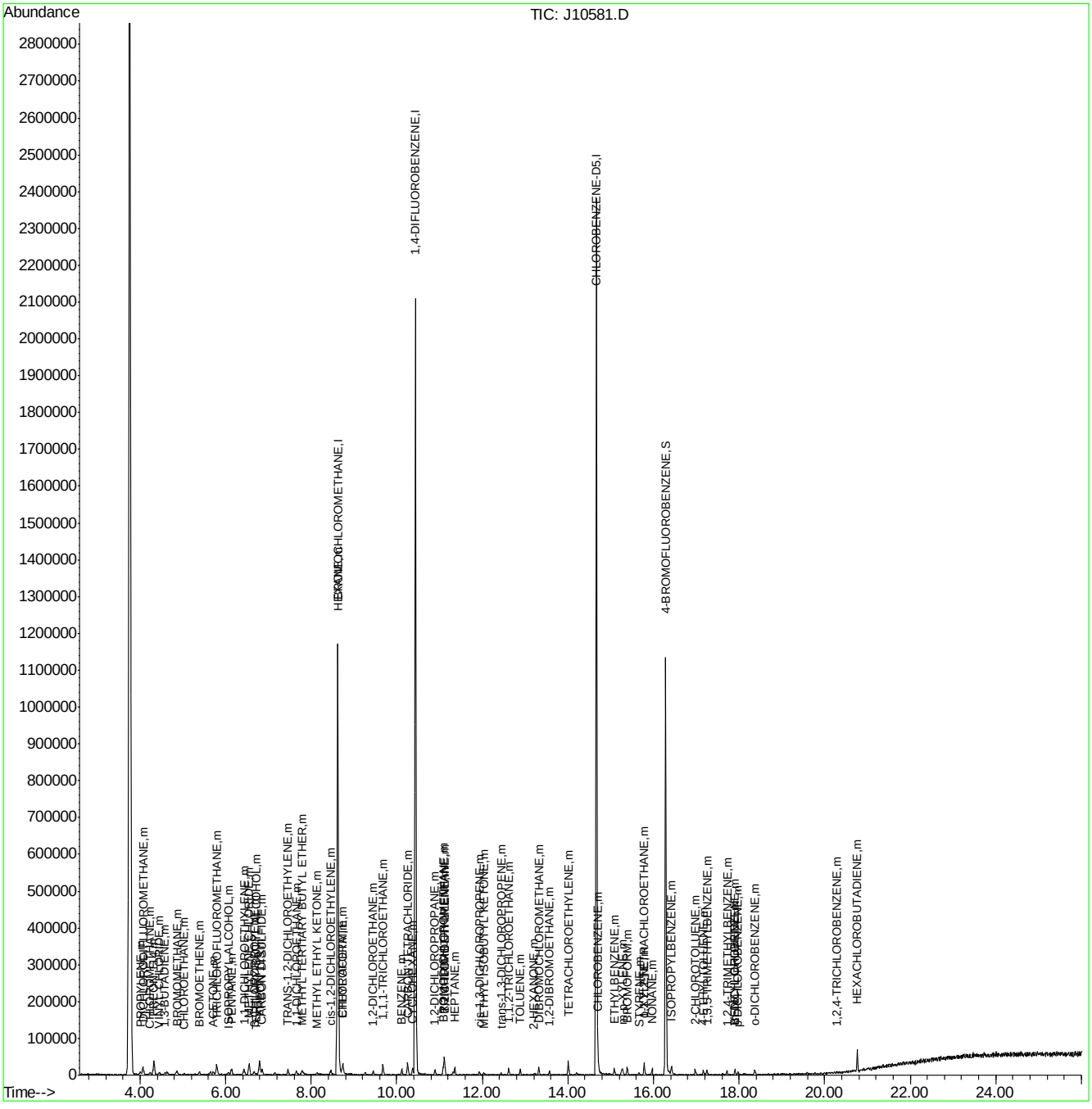
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
48) 1,1,2-TRICHLOROETHANE	12.62	83	4933	0.21	PPBV		94
50) 2-HEXANONE	13.21	43	2044	0.11	PPBV	#	61
51) TETRACHLOROETHYLENE	14.01	164	8498	0.20	PPBV		92
52) DIBROMOCHLOROMETHANE	13.32	129	11152	0.20	PPBV		98
53) 1,2-DIBROMOETHANE	13.57	107	6718	0.20	PPBV	#	96
54) CHLOROBENZENE	14.71	112	11631	0.21	PPBV		98
55) ETHYLBENZENE	15.09	91	11213	0.17	PPBV		96
56) m,p-XYLENE	15.28	106	7928	0.32	PPBV	#	59
57) o-XYLENE	15.78	106	4076	0.16	PPBV		97
58) STYRENE	15.66	104	3323	0.17	PPBV	#	78
59) NONANE	15.97	43	4073	0.14	PPBV		87
60) BROMOFORM	15.38	173	8966	0.19	PPBV		95
62) 1,1,2,2-TETRACHLOROETHANE	15.79	83	9758	0.19	PPBV		97
63) ISOPROPYLBENZENE	16.42	105	12066	0.16	PPBV		95
64) 2-CHLOROTOLUENE	16.97	91	8633	0.18	PPBV		90
65) 4-ETHYLTOLUENE	17.16	105	7459	0.15	PPBV	#	76
66) 1,3,5-TRIMETHYLBENZENE	17.24	105	7625	0.15	PPBV		99
67) 1,2,4-TRIMETHYLBENZENE	17.72	105	6645	0.16	PPBV		89
68) m-DICHLOROBENZENE	17.90	146	5239	0.19	PPBV		97
69) BENZYL CHLORIDE	17.89	91	2106m	0.15	PPBV		
70) p-DICHLOROBENZENE	17.98	146	4109	0.18	PPBV	#	35
71) o-DICHLOROBENZENE	18.36	146	5946	0.19	PPBV		97
72) HEXACHLOROBUTADIENE	20.76	225	10130	0.20	PPBV		97
73) 1,2,4-TRICHLOROBENZENE	20.28	180	1135	0.15	PPBV	#	88

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10581.D
Acq On : 7 Jun 2007 10:30 am
Operator : danat
Sample : ic548-0.2 (m122)
Misc : MS13684, MSJ548,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 07 11:10:56 2007
Quant Method : C:\MSDCHEM\1\METHODS\J060707T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jun 07 10:13:39 2007
Response via : Initial Calibration



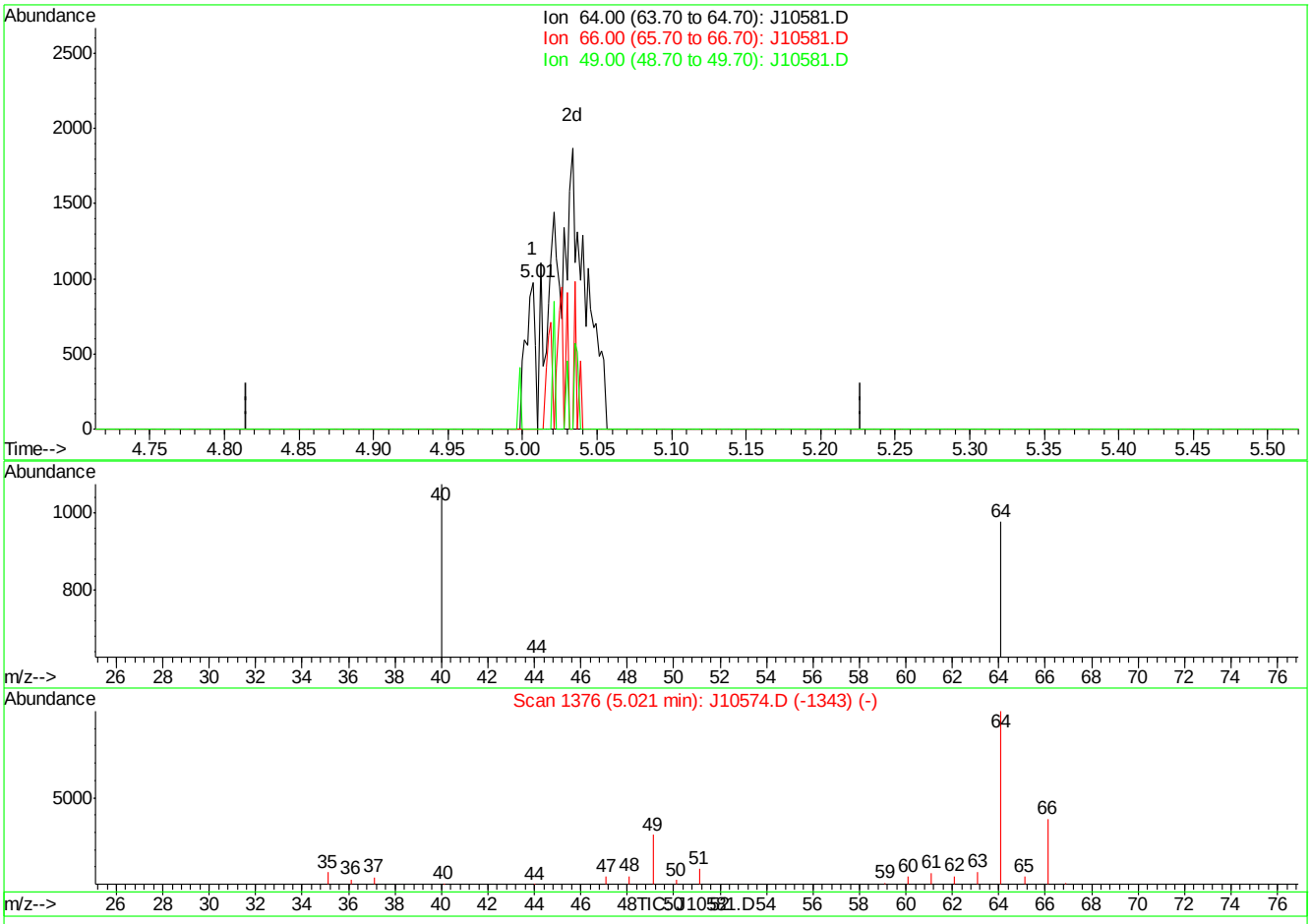
ACCUTEST Laboratories M65503

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10581.D Vial: 1
Acq On : 7 Jun 2007 10:30 am Operator: danat
Sample : ic548-0.2 (m122) Inst : MSJ
Misc : MS13684, MSJ548,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 07 11:06:44 2007 Results File: J060707T.RES

Method : C:\MSDCHEM\1\METHODS\J060707T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jun 07 10:13:39 2007
Response via : Multiple Level Calibration



(9) CHLOROETHANE (m)

5.01min 0.03PPBV

response 428

Ion	Exp%	Act%
64.00	100	100
66.00	33.70	43.22
49.00	28.10	21.26
0.00	0.00	0.00

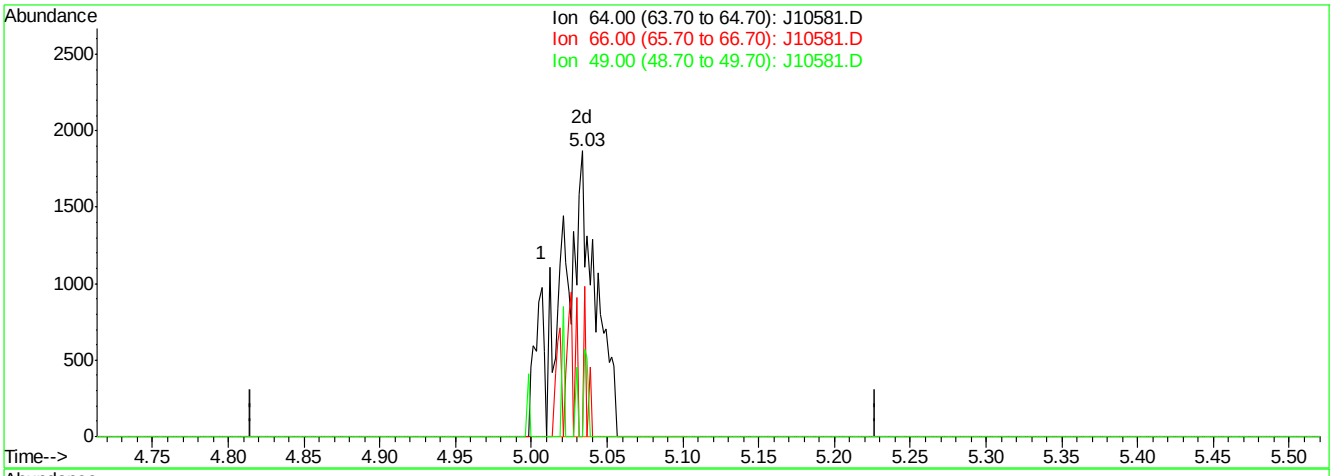
J10581.D J060707T.M Thu Jun 07 11:07:10 2007

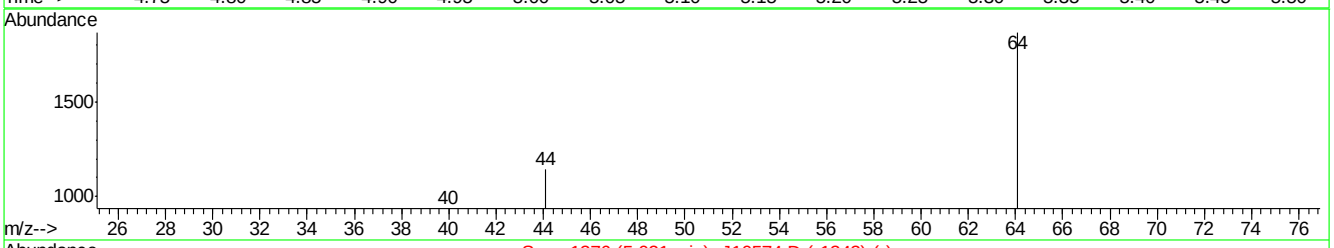
Quantitation Report (Qedit)

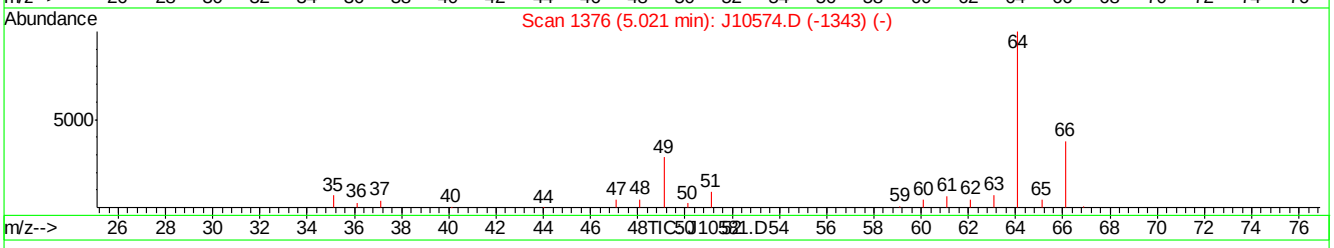
Data File : C:\MSDChem\1\data\J10581.D Vial: 1
Acq On : 7 Jun 2007 10:30 am Operator: danat
Sample : ic548-0.2 (m122) Inst : MSJ
Misc : MS13684, MSJ548,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 07 11:06:44 2007 Results File: J060707T.RES

Method : C:\MSDCHEM\1\METHODS\J060707T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jun 07 10:13:39 2007
Response via : Multiple Level Calibration







(9) CHLOROETHANE (m)

5.03min 0.17PPBV m

response 2567

Ion	Exp%	Act%
64.00	100	100
66.00	33.70	7.21#
49.00	28.10	3.54#
0.00	0.00	0.00

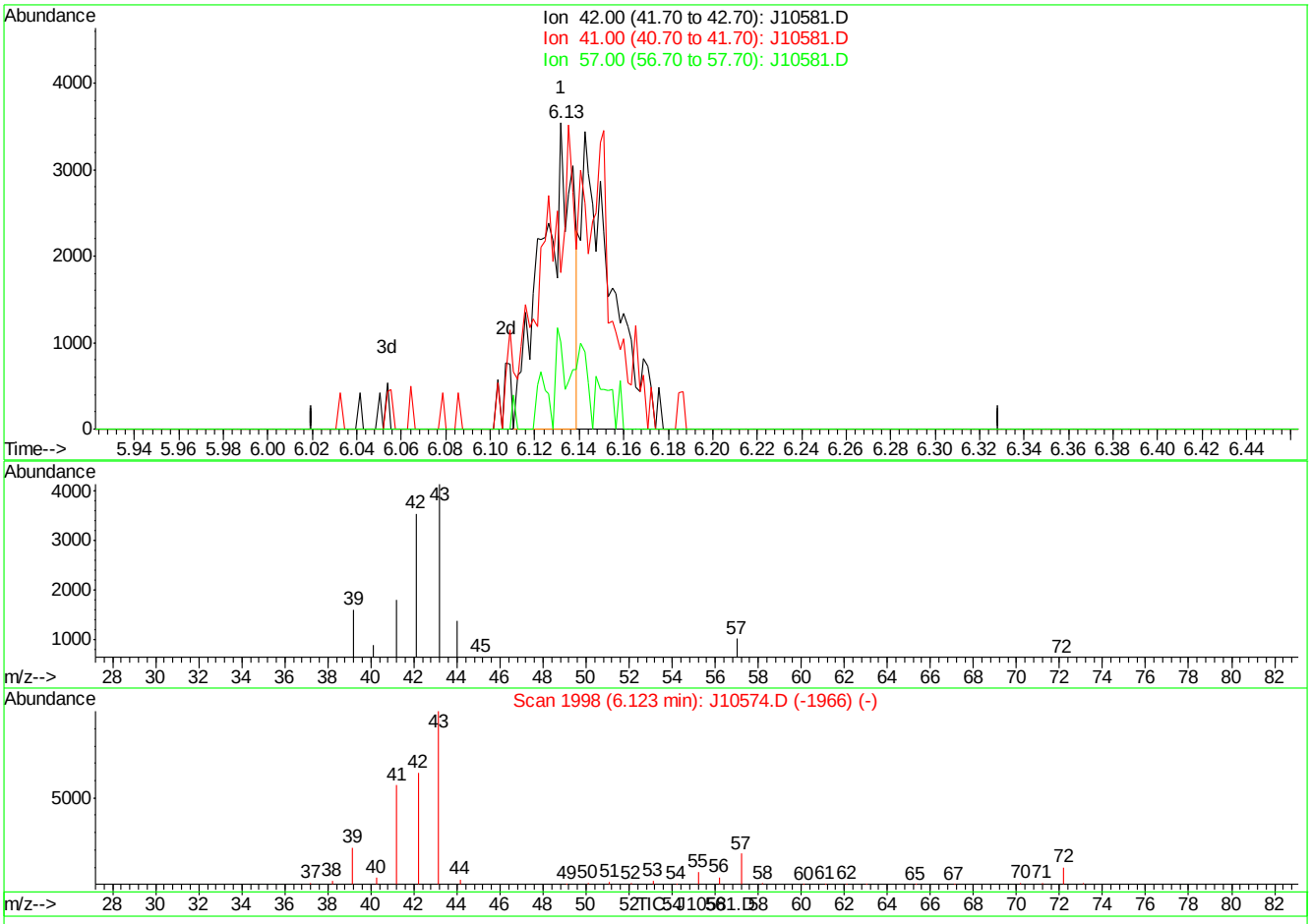
J10581.D J060707T.M Thu Jun 07 11:07:15 2007

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10581.D Vial: 1
Acq On : 7 Jun 2007 10:30 am Operator: danat
Sample : ic548-0.2 (m122) Inst : MSJ
Misc : MS13684, MSJ548,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 07 11:06:44 2007 Results File: J060707T.RES

Method : C:\MSDCHEM\1\METHODS\J060707T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jun 07 10:13:39 2007
Response via : Multiple Level Calibration



(13) PENTANE (m)

6.13min 0.11PPBV

response 3382

Ion	Exp%	Act%
42.00	100	100
41.00	93.90	195.15#
57.00	25.90	37.70
0.00	0.00	0.00

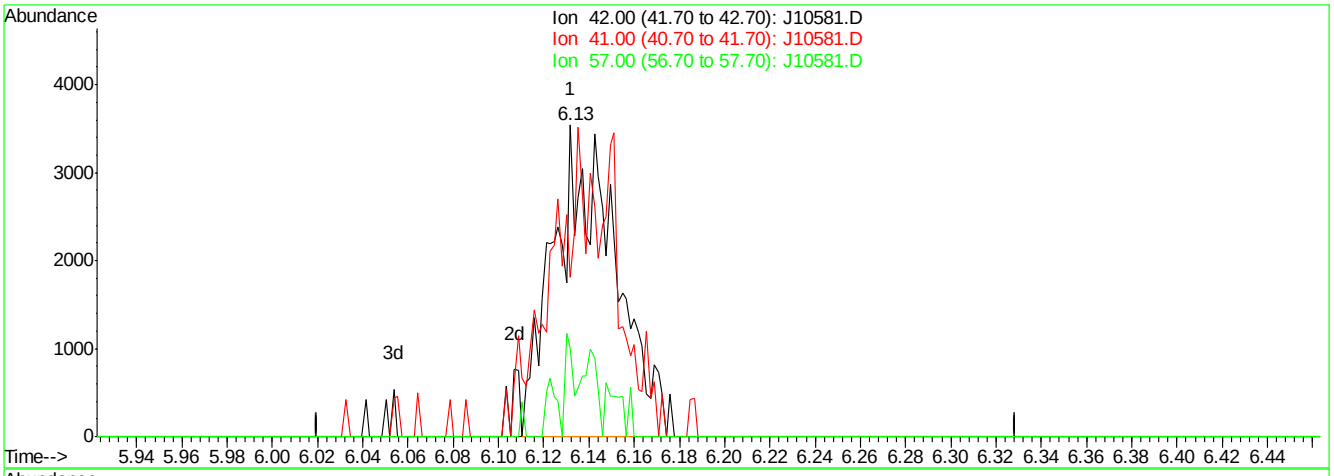
J10581.D J060707T.M Thu Jun 07 11:07:28 2007

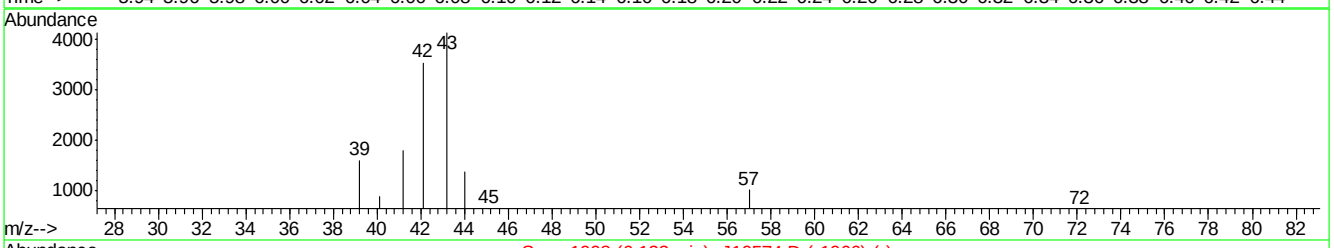
Quantitation Report (Qedit)

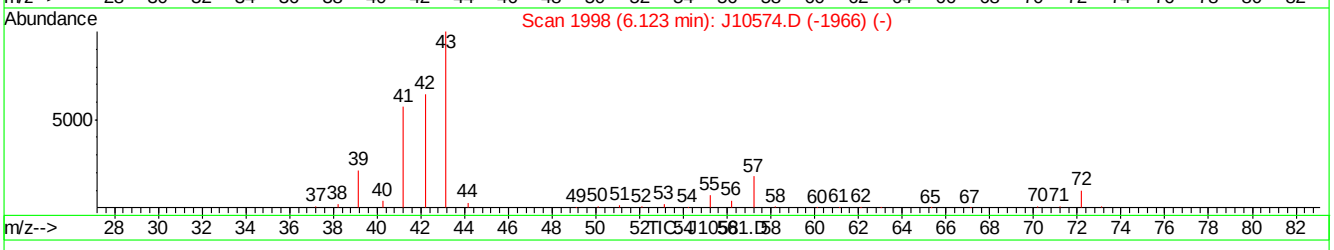
Data File : C:\MSDChem\1\data\J10581.D Vial: 1
Acq On : 7 Jun 2007 10:30 am Operator: danat
Sample : ic548-0.2 (m122) Inst : MSJ
Misc : MS13684, MSJ548,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 07 11:06:44 2007 Results File: J060707T.RES

Method : C:\MSDCHEM\1\METHODS\J060707T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jun 07 10:13:39 2007
Response via : Multiple Level Calibration







(13) PENTANE (m)

6.13min 0.22PPBV m

response 6661

Ion	Exp%	Act%
42.00	100	100
41.00	93.90	99.08
57.00	25.90	19.14
0.00	0.00	0.00

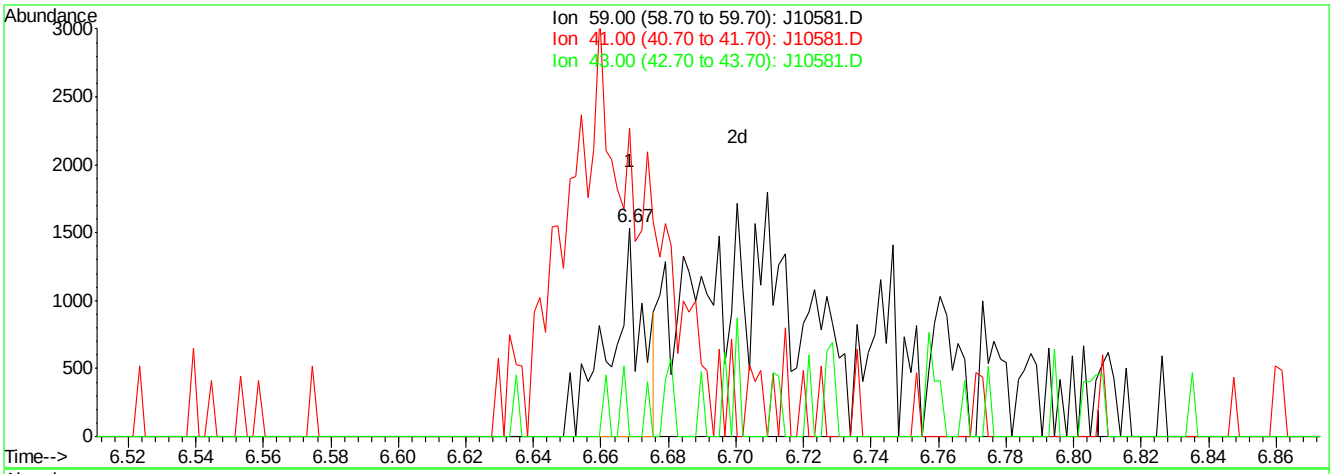
J10581.D J060707T.M Thu Jun 07 11:07:33 2007

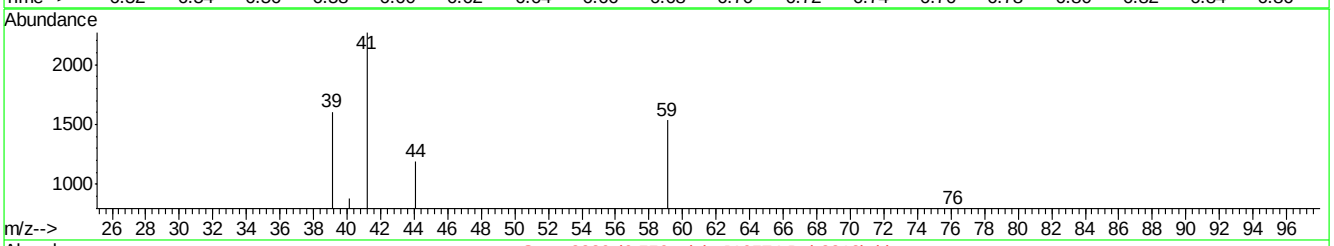
Quantitation Report (Qedit)

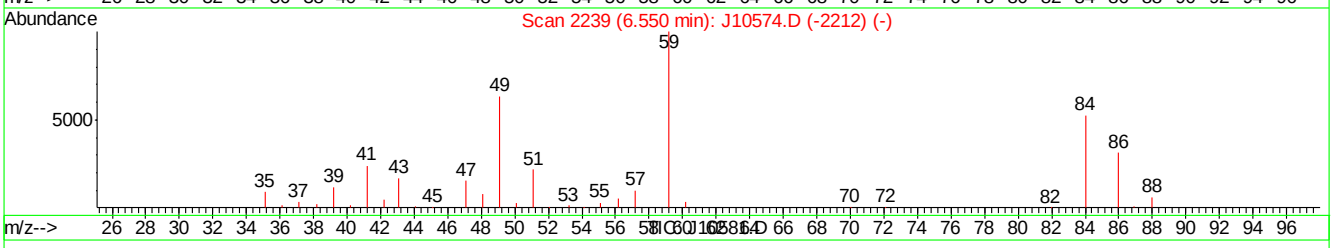
Data File : C:\MSDChem\1\data\J10581.D Vial: 1
Acq On : 7 Jun 2007 10:30 am Operator: danat
Sample : ic548-0.2 (m122) Inst : MSJ
Misc : MS13684, MSJ548,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 07 11:06:44 2007 Results File: J060707T.RES

Method : C:\MSDCHEM\1\METHODS\J060707T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jun 07 10:13:39 2007
Response via : Multiple Level Calibration







(22) TERTIARY BUTYL ALCOHOL (m)

6.67min 0.03PPBV

response 1033

Ion	Exp%	Act%
59.00	100	100
41.00	21.50	499.61#
43.00	16.90	10.07
0.00	0.00	0.00

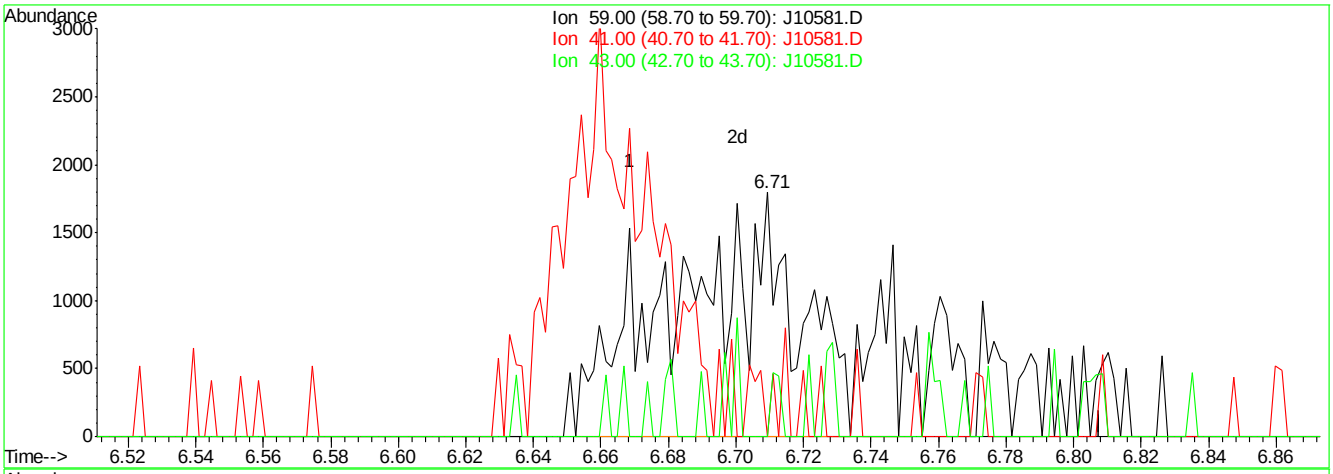
J10581.D J060707T.M Thu Jun 07 11:08:00 2007

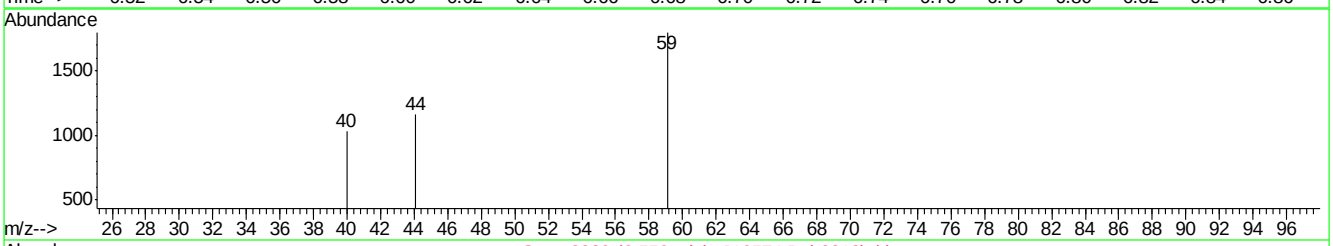
Quantitation Report (Qedit)

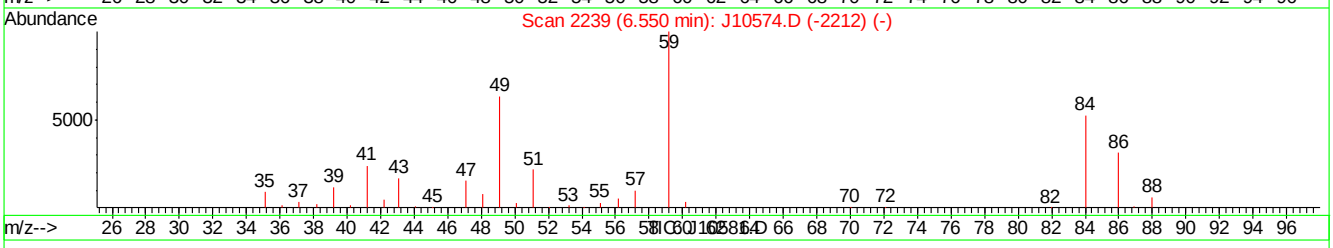
Data File : C:\MSDChem\1\data\J10581.D Vial: 1
Acq On : 7 Jun 2007 10:30 am Operator: danat
Sample : ic548-0.2 (m122) Inst : MSJ
Misc : MS13684, MSJ548,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 07 11:06:44 2007 Results File: J060707T.RES

Method : C:\MSDCHEM\1\METHODS\J060707T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jun 07 10:13:39 2007
Response via : Multiple Level Calibration







(22) TERTIARY BUTYL ALCOHOL (m)

6.71min 0.17PPBV m

response 5040

Ion	Exp%	Act%
59.00	100	100
41.00	21.50	102.40#
43.00	16.90	2.06
0.00	0.00	0.00

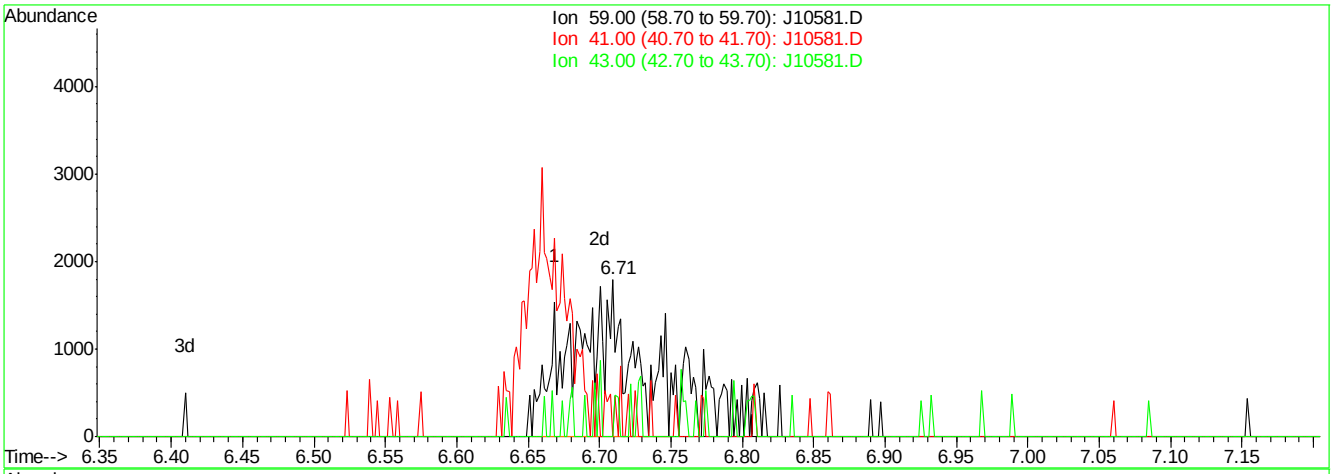
J10581.D J060707T.M Thu Jun 07 11:08:06 2007

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10581.D Vial: 1
Acq On : 7 Jun 2007 10:30 am Operator: danat
Sample : ic548-0.2 (m122) Inst : MSJ
Misc : MS13684, MSJ548,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 07 11:06:44 2007 Results File: J060707T.RES

Method : C:\MSDCHEM\1\METHODS\J060707T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jun 07 10:13:39 2007
Response via : Multiple Level Calibration



(22) TERTIARY BUTYL ALCOHOL (m)

6.71min 0.17PPBV m

response 5040

Ion	Exp%	Act%
59.00	100	100
41.00	21.50	102.40#
43.00	16.90	2.06
0.00	0.00	0.00

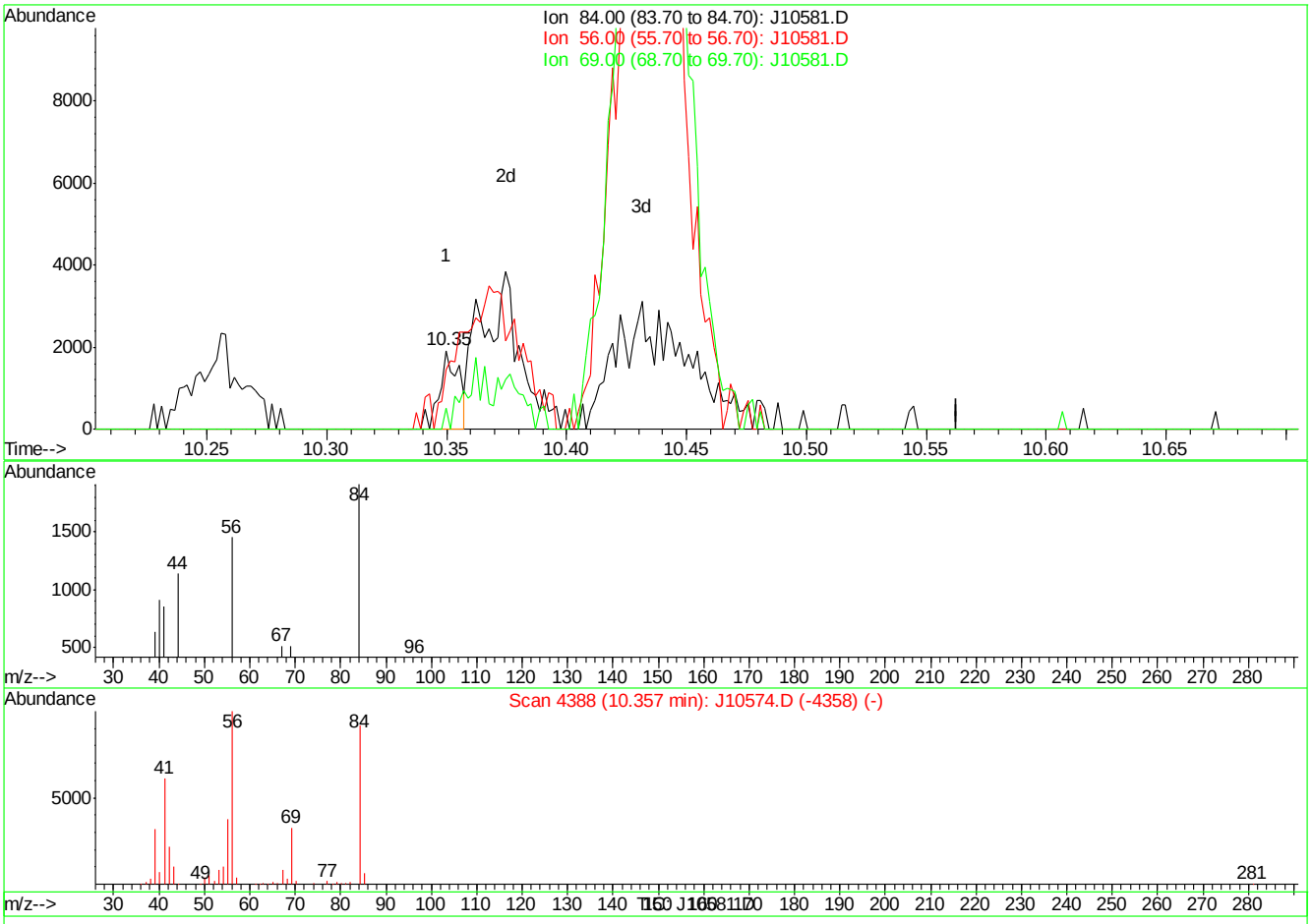
J10581.D J060707T.M Thu Jun 07 11:08:27 2007

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10581.D Vial: 1
Acq On : 7 Jun 2007 10:30 am Operator: danat
Sample : ic548-0.2 (m122) Inst : MSJ
Misc : MS13684, MSJ548,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 07 11:06:44 2007 Results File: J060707T.RES

Method : C:\MSDCHEM\1\METHODS\J060707T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jun 07 10:13:39 2007
Response via : Multiple Level Calibration



(37) CYCLOHEXANE (m)

10.35min 0.03PPBV

response 1054

Ion	Exp%	Act%
84.00	100	100
56.00	107.60	582.54#
69.00	35.30	91.84#
0.00	0.00	0.00

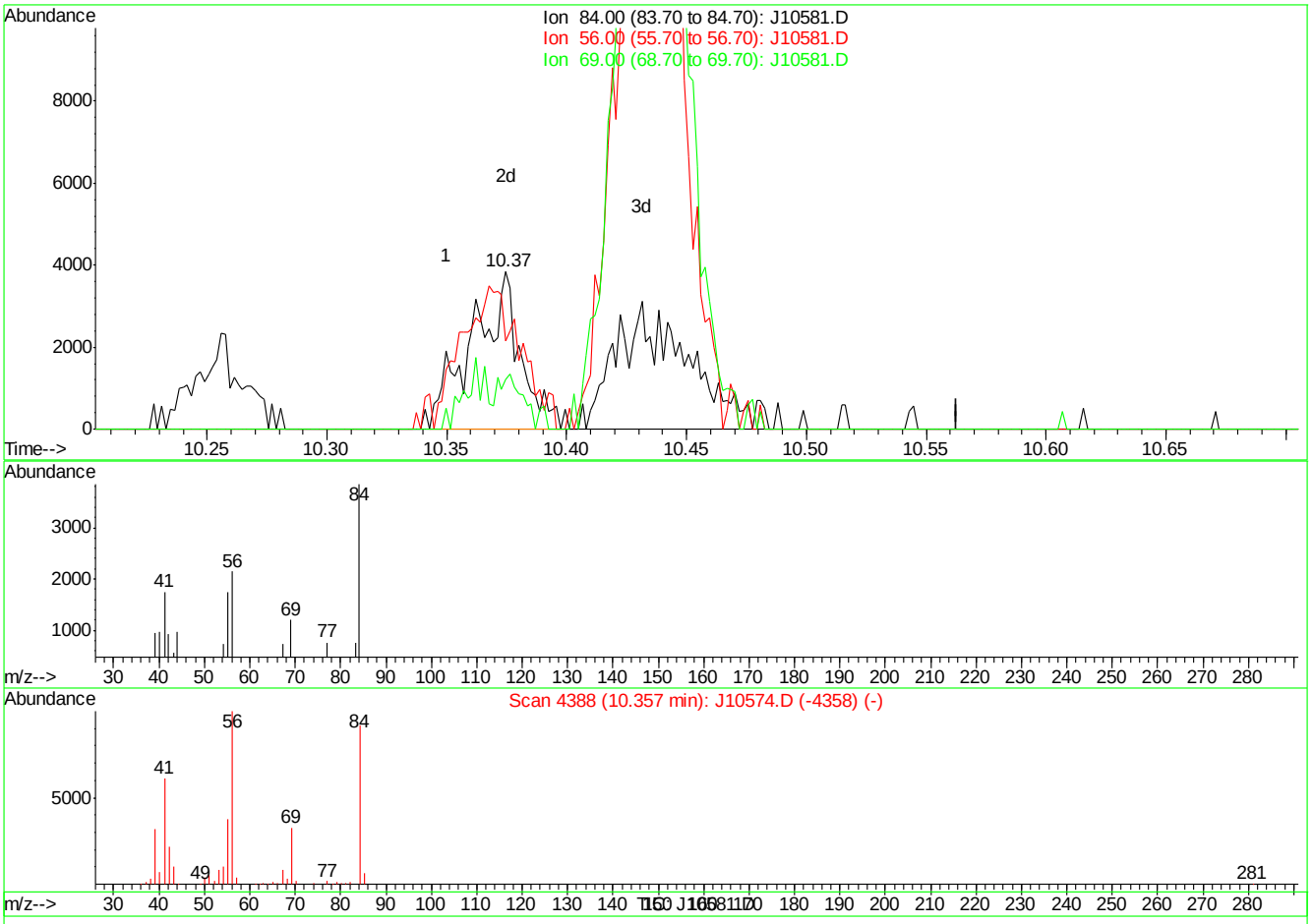
J10581.D J060707T.M Thu Jun 07 11:09:45 2007

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10581.D Vial: 1
Acq On : 7 Jun 2007 10:30 am Operator: danat
Sample : ic548-0.2 (m122) Inst : MSJ
Misc : MS13684, MSJ548,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 07 11:06:44 2007 Results File: J060707T.RES

Method : C:\MSDCHEM\1\METHODS\J060707T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jun 07 10:13:39 2007
Response via : Multiple Level Calibration



(37) CYCLOHEXANE (m)

10.37min 0.17PPBV m

response 5355

Ion	Exp%	Act%
84.00	100	100
56.00	107.60	114.66
69.00	35.30	18.08
0.00	0.00	0.00

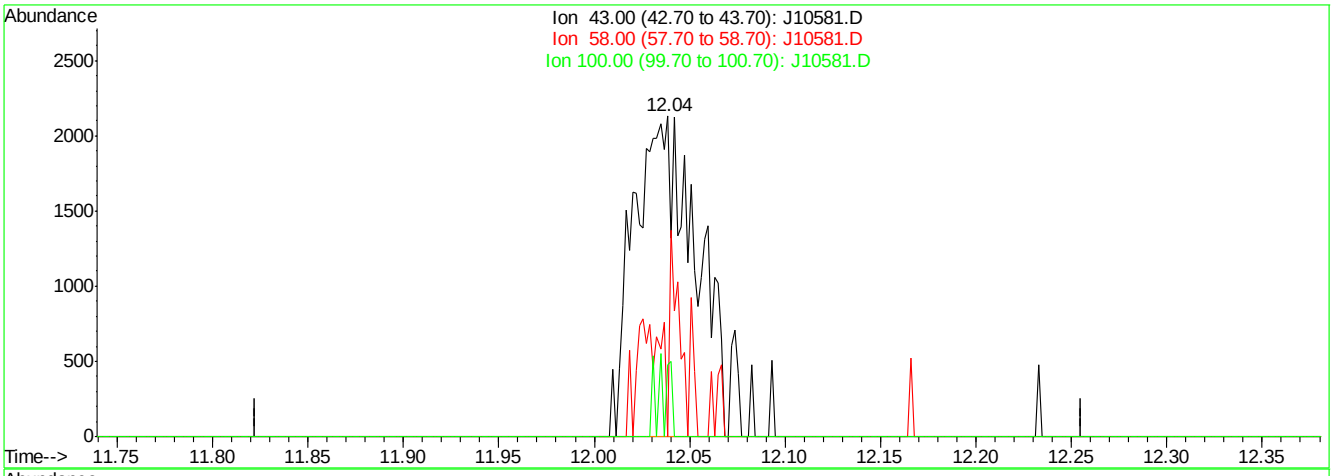
J10581.D J060707T.M Thu Jun 07 11:09:52 2007

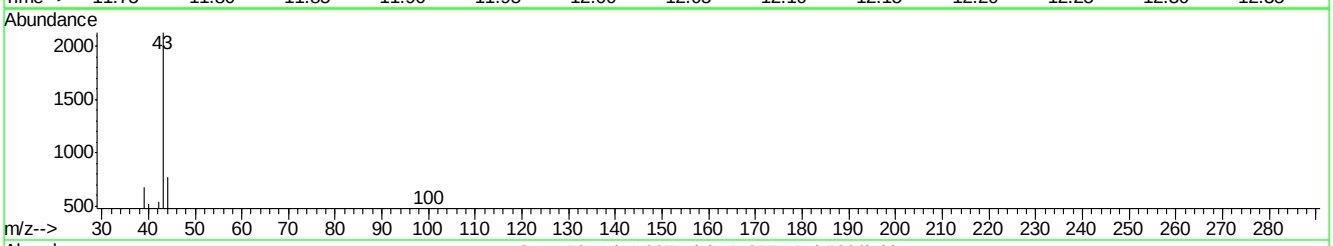
Quantitation Report (Qedit)

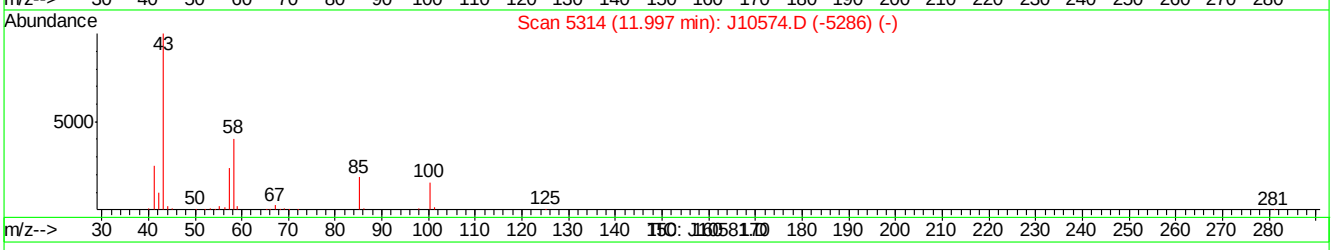
Data File : C:\MSDChem\1\data\J10581.D Vial: 1
Acq On : 7 Jun 2007 10:30 am Operator: danat
Sample : ic548-0.2 (m122) Inst : MSJ
Misc : MS13684, MSJ548,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 07 11:06:44 2007 Results File: J060707T.RES

Method : C:\MSDCHEM\1\METHODS\J060707T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jun 07 10:13:39 2007
Response via : Multiple Level Calibration







(44) METHYL ISOBUTYL KETONE (m)

12.04min 0.15PPBV

response 4911

Ion	Exp%	Act%
43.00	100	100
58.00	39.10	12.28#
100.00	14.20	4.48
0.00	0.00	0.00

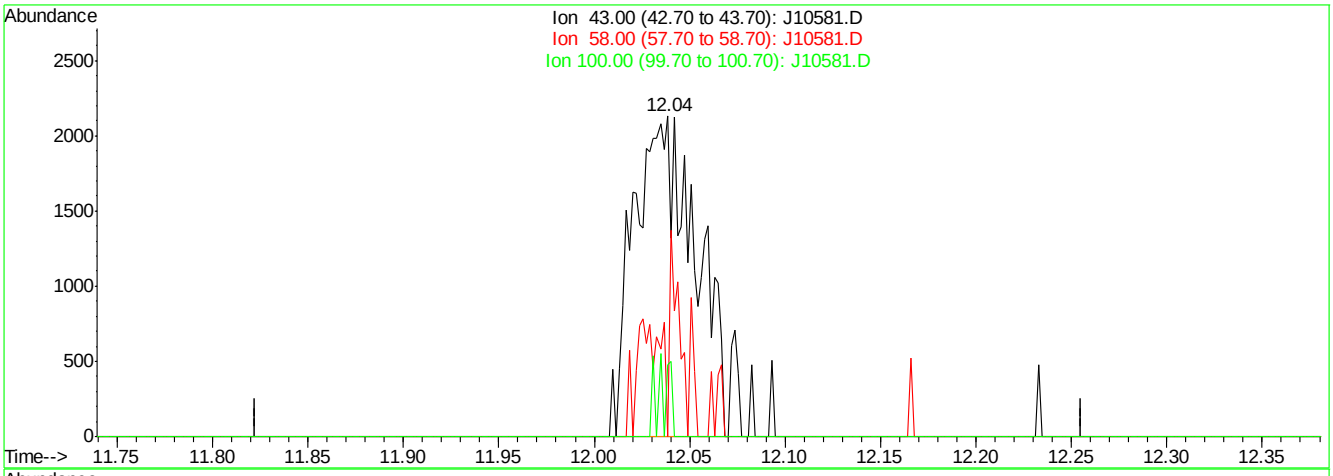
J10581.D J060707T.M Thu Jun 07 11:10:16 2007

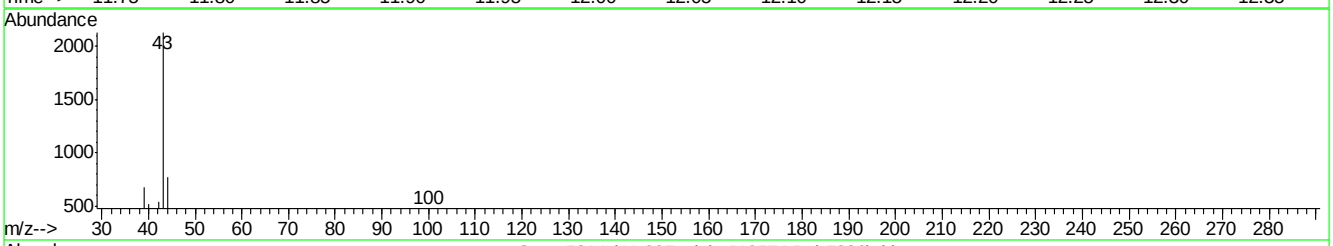
Quantitation Report (Qedit)

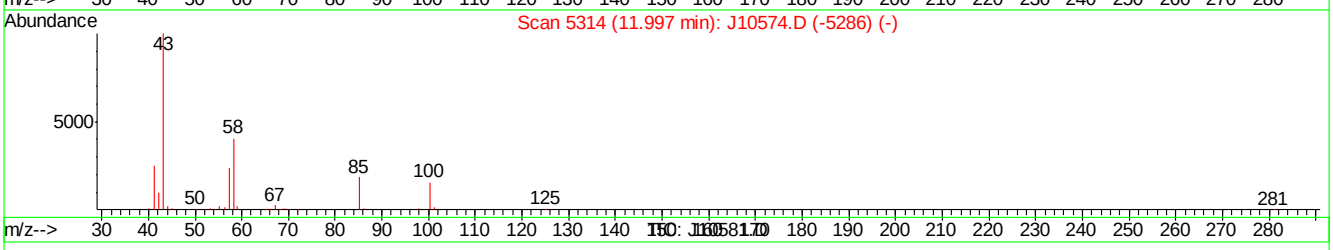
Data File : C:\MSDChem\1\data\J10581.D Vial: 1
Acq On : 7 Jun 2007 10:30 am Operator: danat
Sample : ic548-0.2 (m122) Inst : MSJ
Misc : MS13684, MSJ548,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 07 11:06:44 2007 Results File: J060707T.RES

Method : C:\MSDCHEM\1\METHODS\J060707T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jun 07 10:13:39 2007
Response via : Multiple Level Calibration







(44) METHYL ISOBUTYL KETONE (m)

12.04min 0.14PPBV m

response 4679

Ion	Exp%	Act%
43.00	100	100
58.00	39.10	12.89#
100.00	14.20	4.70
0.00	0.00	0.00

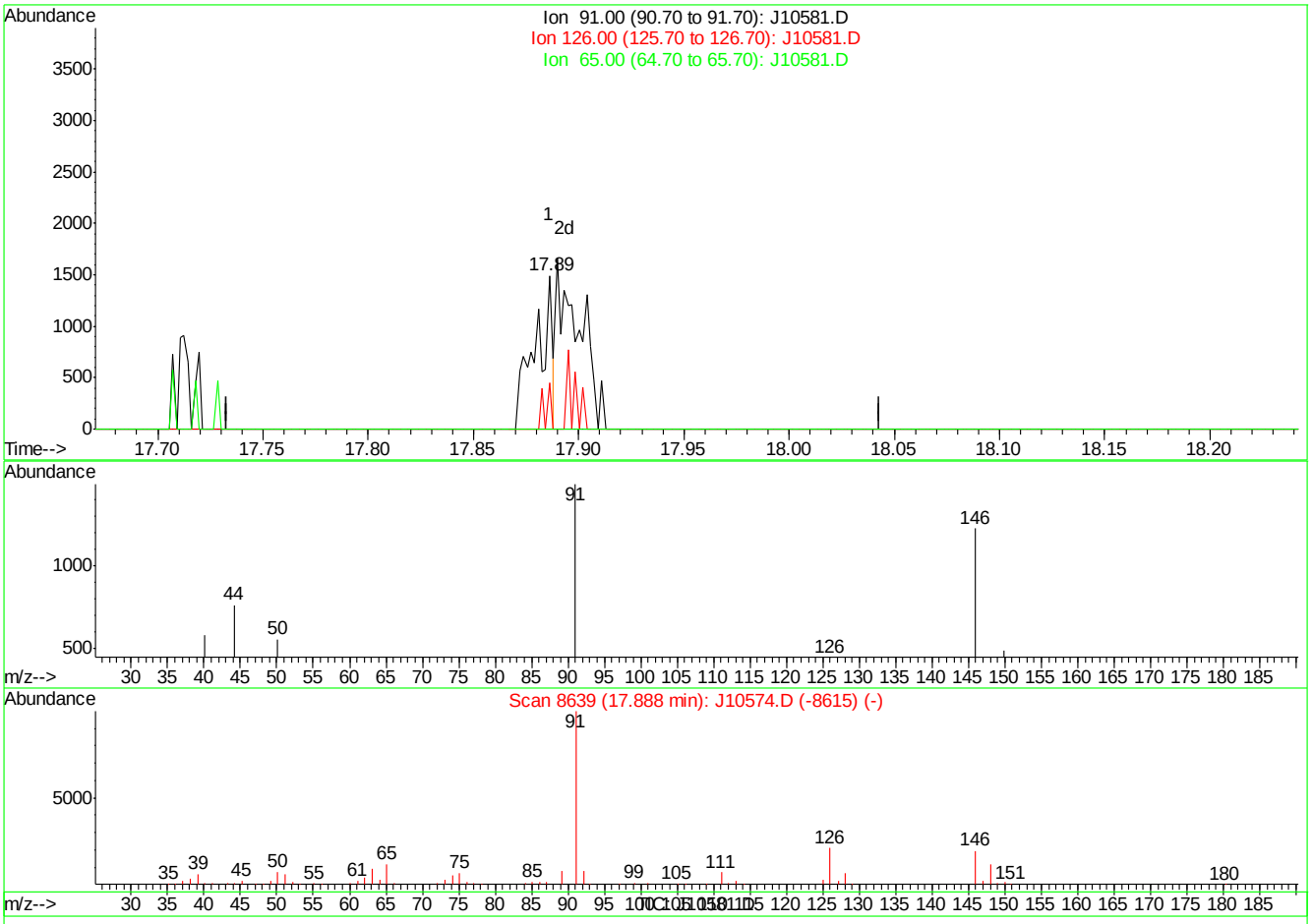
J10581.D J060707T.M Thu Jun 07 11:10:28 2007

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10581.D Vial: 1
Acq On : 7 Jun 2007 10:30 am Operator: danat
Sample : ic548-0.2 (m122) Inst : MSJ
Misc : MS13684, MSJ548,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 07 11:06:44 2007 Results File: J060707T.RES

Method : C:\MSDCHEM\1\METHODS\J060707T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jun 07 10:13:39 2007
Response via : Multiple Level Calibration



(69) BENZYL CHLORIDE (m)

17.89min 0.06PPBV

response 823

Ion	Exp%	Act%
91.00	100	100
126.00	20.90	0.00#
65.00	11.30	0.00
0.00	0.00	0.00

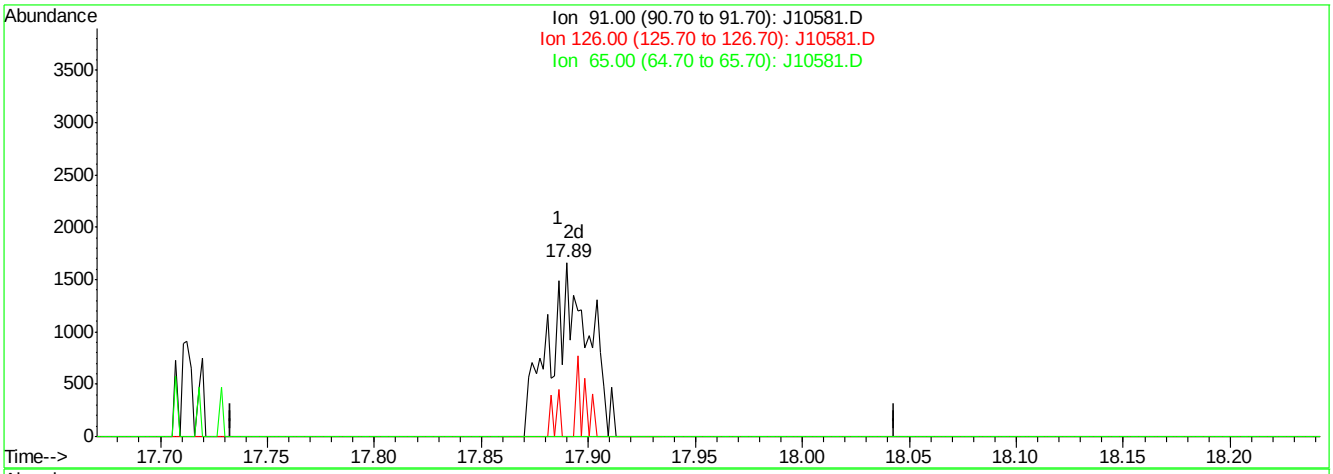
J10581.D J060707T.M Thu Jun 07 11:10:54 2007

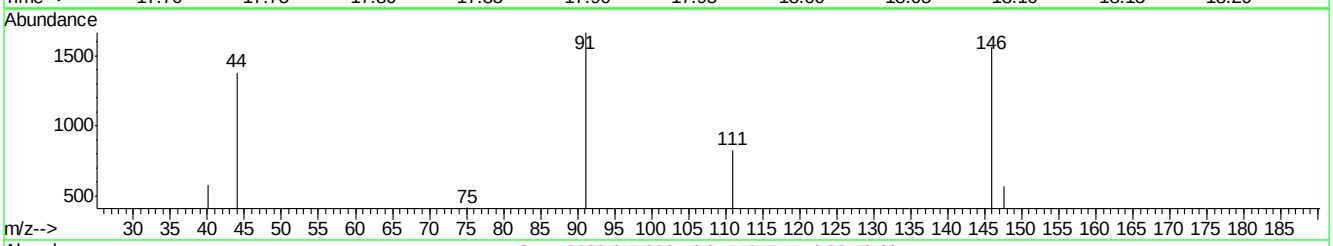
Quantitation Report (Qedit)

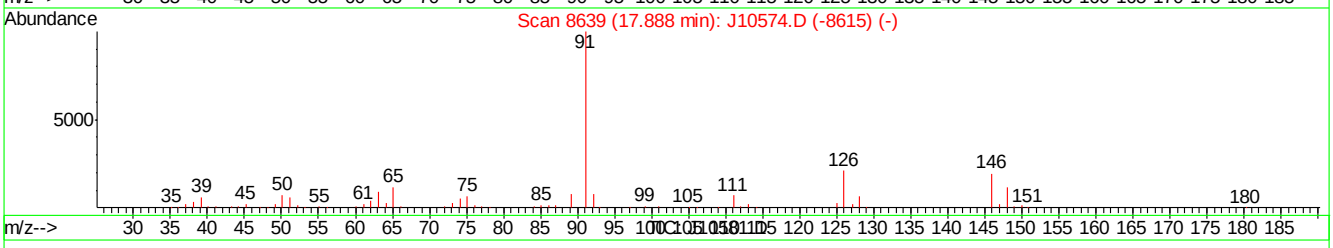
Data File : C:\MSDChem\1\data\J10581.D Vial: 1
Acq On : 7 Jun 2007 10:30 am Operator: danat
Sample : ic548-0.2 (m122) Inst : MSJ
Misc : MS13684, MSJ548,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 07 11:06:44 2007 Results File: J060707T.RES

Method : C:\MSDCHEM\1\METHODS\J060707T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jun 07 10:13:39 2007
Response via : Multiple Level Calibration







(69) BENZYL CHLORIDE (m)

17.89min 0.15PPBV m

response 2106

Ion	Exp%	Act%
91.00	100	100
126.00	20.90	0.00#
65.00	11.30	0.00
0.00	0.00	0.00

J10581.D J060707T.M Thu Jun 07 11:10:59 2007

Manual Integrations APPROVED (compounds with "m" flag)
Philip Bassignani 06/18/07 11:53

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10582.D
Acq On : 7 Jun 2007 11:22 am
Operator : danat
Sample : ic548-2 (m122)
Misc : MS13684, MSJ548,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 07 11:55:44 2007
Quant Method : C:\MSDCHEM\1\METHODS\J060707T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jun 07 11:11:14 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.61	128	365236	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.43	114	1610084	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.66	117	1440404	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.28	95	432961	5.67	PPBV	-0.01
Spiked Amount 5.000	Range 51 - 142		Recovery = 113.40%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.06	85	260707	2.16	PPBV	100
3) PROPYLENE	4.00	41	42346	1.98	PPBV	96
4) FREON 114	4.32	85	241732	2.17	PPBV	98
5) CHLOROMETHANE	4.22	50	62302	2.09	PPBV	93
6) VINYL CHLORIDE	4.45	62	74622	2.31	PPBV	95
7) 1,3-BUTADIENE	4.58	39	51890	2.53	PPBV	91
8) BROMOMETHANE	4.85	94	82860	2.23	PPBV	98
9) CHLOROETHANE	5.02	64	36023	2.63	PPBV	97
10) TRICHLOROFLUOROMETHANE	5.78	101	272284	2.20	PPBV	99
11) ISOPROPYL ALCOHOL	5.95	45	80015	2.24	PPBV	79
12) ACETONE	5.66	43	105477	1.87	PPBV	98
13) PENTANE	6.13	42	61581	1.95	PPBV	98
14) 1,1-DICHLOROETHYLENE	6.42	96	74662	2.33	PPBV	96
15) CARBON DISULFIDE	6.84	76	238732	2.13	PPBV	99
16) ETHANOL	5.22	45	13702m	2.14	PPBV	
17) BROMOETHENE	5.38	106	74025	2.33	PPBV	98
18) METHYLENE CHLORIDE	6.54	84	96161	0.95	PPBV	97
19) 3-CHLOROPROPENE	6.65	39	51645	2.39	PPBV	96
20) FREON 113	6.78	151	173284	2.19	PPBV	99
21) TRANS-1,2-DICHLOROETHYLENE	7.45	96	73942	2.38	PPBV	98
22) TERTIARY BUTYL ALCOHOL	6.55	59	99468	3.63	PPBV	86
23) METHYL TERTIARY BUTYL ETHE	7.73	73	147380	2.61	PPBV	99
24) TETRAHYDROFURAN	9.19	42	46085	2.69	PPBV	97
25) HEXANE	8.62	57	86914	1.22	PPBV	95
26) VINYL ACETATE	7.79	43	80315	2.09	PPBV	93
27) 1,1-DICHLOROETHANE	7.65	63	133555	2.49	PPBV	100
28) METHYL ETHYL KETONE	8.07	43	93726	2.83	PPBV	95
29) cis-1,2-DICHLOROETHYLENE	8.45	96	73420	2.45	PPBV	99
30) ETHYL ACETATE	8.68	43	97857	2.76	PPBV #	96
31) CHLOROFORM	8.73	83	184824	2.29	PPBV	100
32) 1,1,1-TRICHLOROETHANE	9.67	97	207432	2.54	PPBV	99
33) CARBON TETRACHLORIDE	10.25	117	227560	2.44	PPBV	100
34) 1,2-DICHLOROETHANE	9.43	62	99121	2.54	PPBV	99
36) BENZENE	10.11	78	188505	2.77	PPBV	99
37) CYCLOHEXANE	10.36	84	80817	2.84	PPBV	100
38) TRICHLOROETHYLENE	11.10	95	97192	2.56	PPBV	99
39) 1,2-DICHLOROPROPANE	10.89	63	66058	2.77	PPBV	99
40) BROMODICHLOROMETHANE	11.08	83	169799	2.68	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.11	57	298152	3.17	PPBV	99
42) 1,4-DIOXANE	11.19	88	22957	4.39	PPBV	82
43) HEPTANE	11.35	43	95493	3.05	PPBV	96

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10582.D
Acq On : 7 Jun 2007 11:22 am
Operator : danat
Sample : ic548-2 (m122)
Misc : MS13684, MSJ548,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 07 11:55:44 2007
Quant Method : C:\MSDCHEM\1\METHODS\J060707T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jun 07 11:11:14 2007
Response via : Initial Calibration

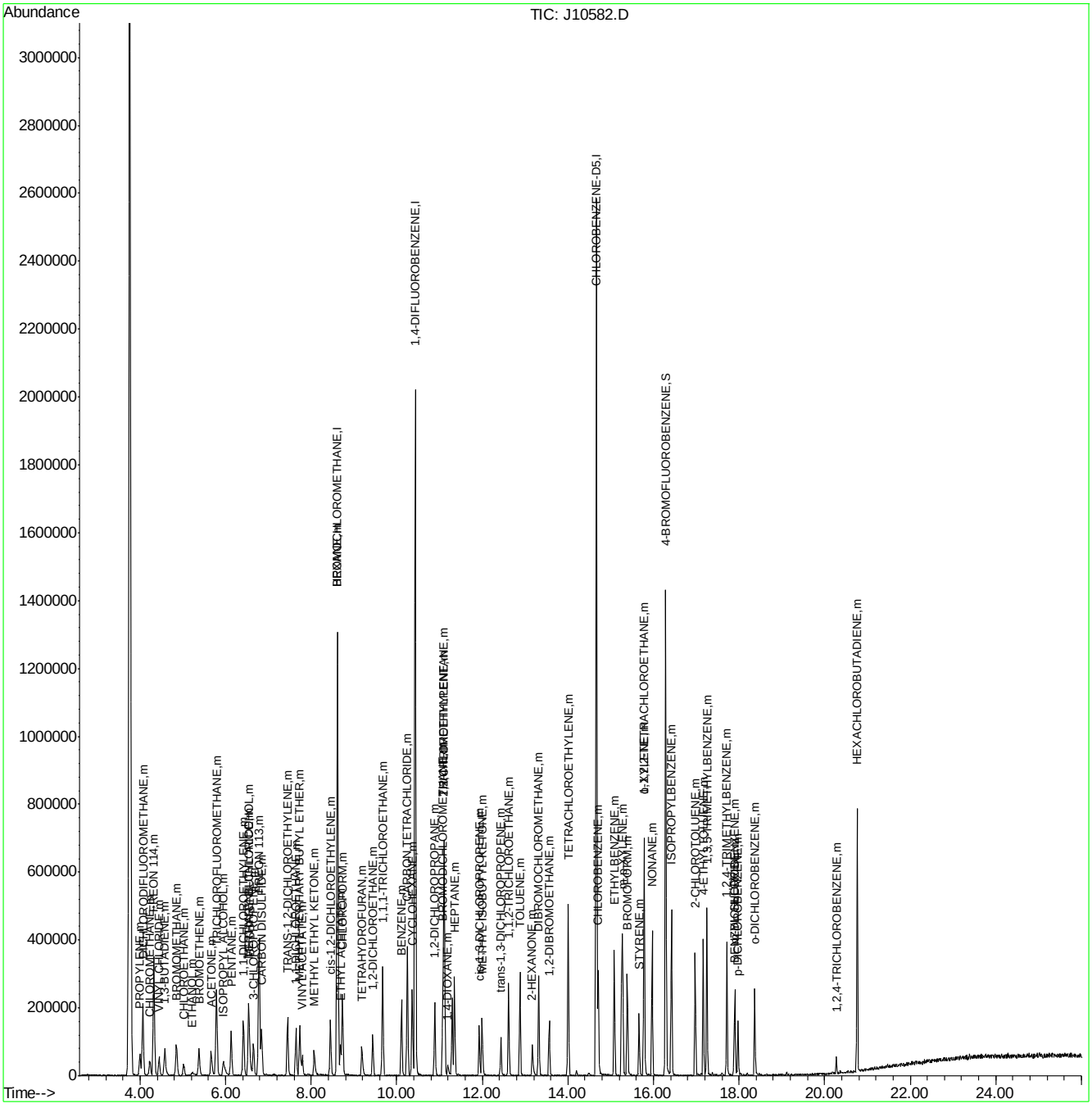
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.99	43	113090	4.02	PPBV	97
45) cis-1,3-DICHLOROPROPENE	11.93	75	75255	3.33	PPBV	99
46) TOLUENE	12.88	92	117321	3.06	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.43	75	57249	3.42	PPBV	98
48) 1,1,2-TRICHLOROETHANE	12.61	83	68617	2.88	PPBV	98
50) 2-HEXANONE	13.17	43	69370	4.50	PPBV	95
51) TETRACHLOROETHYLENE	14.01	164	110465	2.42	PPBV	99
52) DIBROMOCHLOROMETHANE	13.32	129	158914	2.66	PPBV	98
53) 1,2-DIBROMOETHANE	13.57	107	100682	2.74	PPBV	97
54) CHLOROBENZENE	14.71	112	161472	2.62	PPBV	99
55) ETHYLBENZENE	15.09	91	239276	3.60	PPBV	99
56) m,p-XYLENE	15.27	106	195474	8.09	PPBV	92
57) o-XYLENE	15.78	106	100505	4.02	PPBV	97
58) STYRENE	15.66	104	81441	4.20	PPBV	99
59) NONANE	15.97	43	123957	4.61	PPBV	98
60) BROMOFORM	15.39	173	145409	2.94	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.78	83	168019	3.14	PPBV	100
63) ISOPROPYLBENZENE	16.42	105	302380	4.14	PPBV	99
64) 2-CHLOROTOLUENE	16.98	91	184489	3.75	PPBV	99
65) 4-ETHYLTOLUENE	17.16	105	210090	4.50	PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.25	105	240588	4.91	PPBV	98
67) 1,2,4-TRIMETHYLBENZENE	17.71	105	184024	4.51	PPBV	99
68) m-DICHLOROBENZENE	17.90	146	94319	3.22	PPBV	100
69) BENZYL CHLORIDE	17.88	91	41500	3.12	PPBV	96
70) p-DICHLOROBENZENE	17.97	146	69504	2.94	PPBV	99
71) o-DICHLOROBENZENE	18.37	146	97628	3.00	PPBV	96
72) HEXACHLOROBUTADIENE	20.76	225	130536	2.41	PPBV	98
73) 1,2,4-TRICHLOROBENZENE	20.28	180	14087	1.93	PPBV	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10582.D
Acq On : 7 Jun 2007 11:22 am
Operator : danat
Sample : ic548-2 (m122)
Misc : MS13684, MSJ548,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 07 11:55:44 2007
Quant Method : C:\MSDCHEM\1\METHODS\J060707T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jun 07 11:11:14 2007
Response via : Initial Calibration

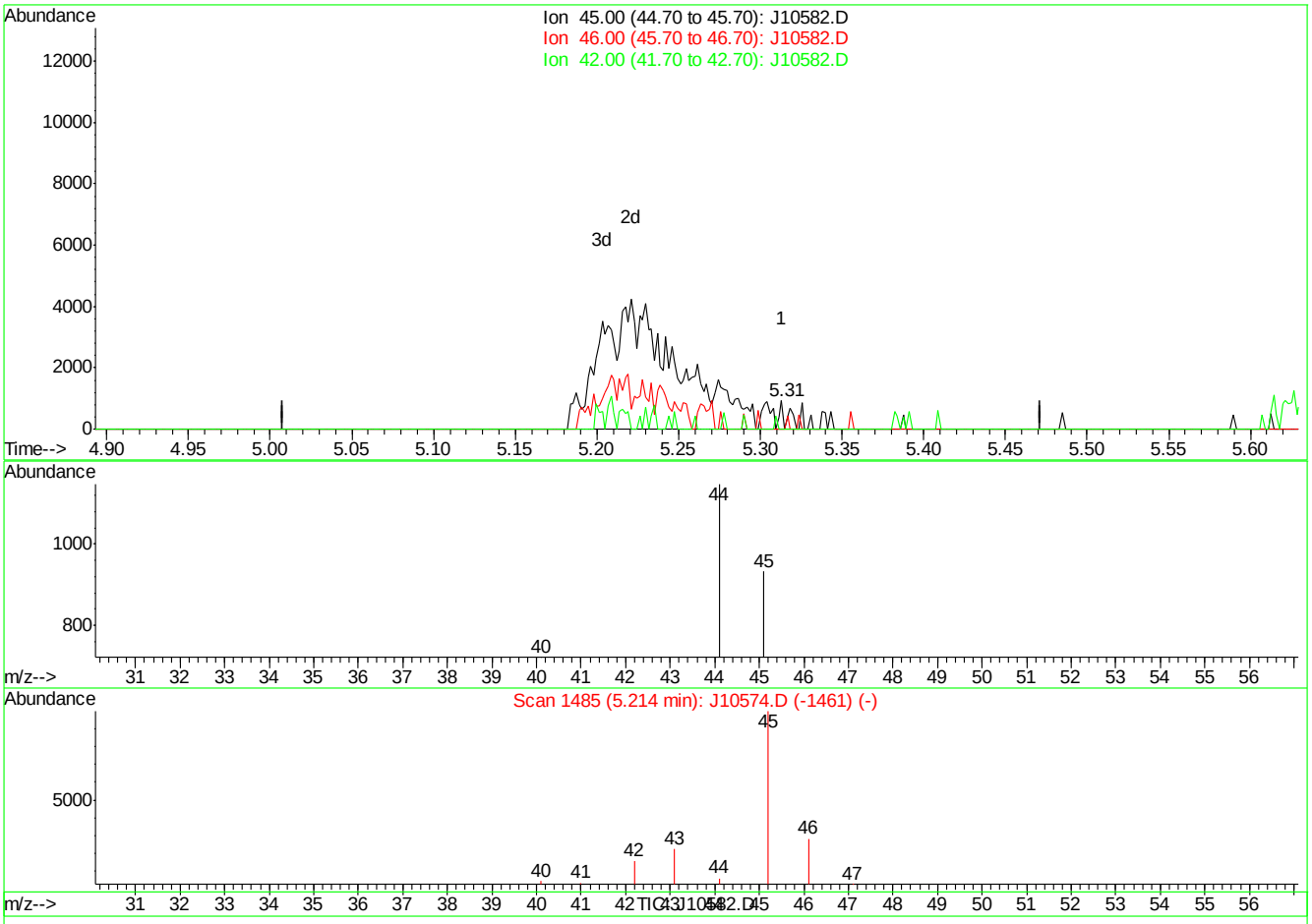


Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10582.D Vial: 1
Acq On : 7 Jun 2007 11:22 am Operator: danat
Sample : ic548-2 (m122) Inst : MSJ
Misc : MS13684, MSJ548,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 07 11:54:12 2007 Results File: J060707T.RES

Method : C:\MSDCHEM\1\METHODS\J060707T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jun 07 11:54:37 2007
Response via : Multiple Level Calibration



(16) ETHANOL (m)

5.31min 0.06PPBV

response 404

Ion	Exp%	Act%
45.00	100	100
46.00	30.00	23.27
42.00	6.30	11.14
0.00	0.00	0.00

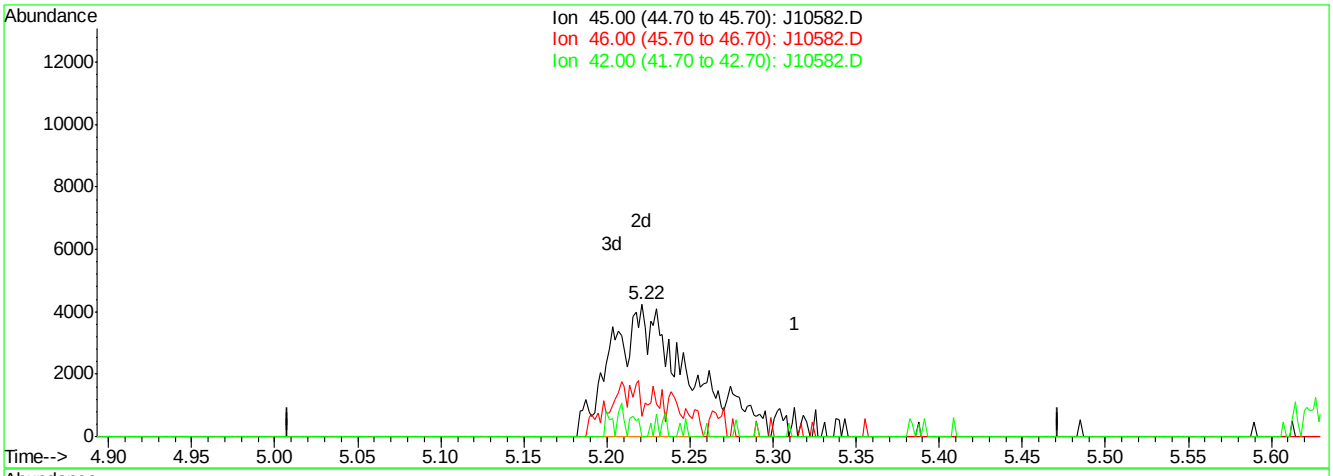
J10582.D J060707T.M Thu Jun 07 11:55:01 2007

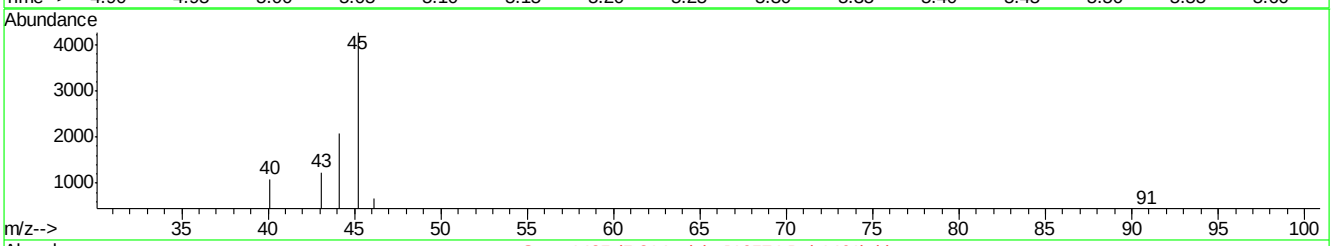
Quantitation Report (Qedit)

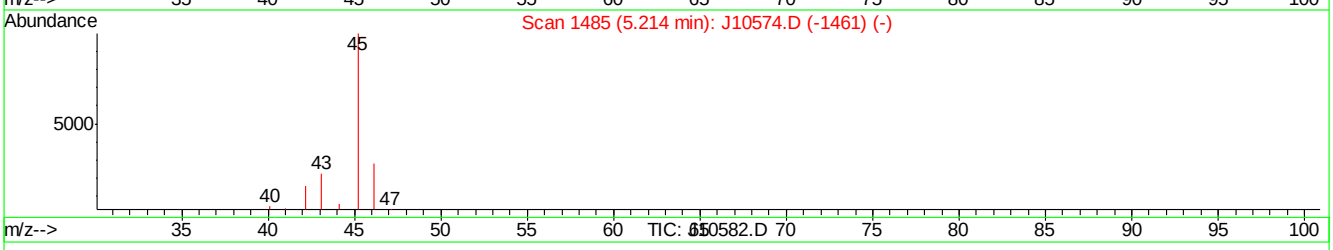
Data File : C:\MSDChem\1\data\J10582.D Vial: 1
Acq On : 7 Jun 2007 11:22 am Operator: danat
Sample : ic548-2 (m122) Inst : MSJ
Misc : MS13684, MSJ548,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 07 11:54:12 2007 Results File: J060707T.RES

Method : C:\MSDCHEM\1\METHODS\J060707T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jun 07 11:54:37 2007
Response via : Multiple Level Calibration







(16) ETHANOL (m)

5.22min 2.14PPBV m

response 13702

Ion	Exp%	Act%
45.00	100	100
46.00	30.00	0.69#
42.00	6.30	0.33
0.00	0.00	0.00

J10582.D J060707T.M Thu Jun 07 11:55:07 2007

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10583.D
Acq On : 7 Jun 2007 12:16 pm
Operator : danat
Sample : ic548-5 (m109)
Misc : MS13684, MSJ548,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 07 13:36:11 2007
Quant Method : C:\MSDCHEM\1\METHODS\J060707T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jun 07 11:55:59 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.60	128	382768	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.43	114	1702002	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.67	117	1469534	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.29	95	432772	5.32	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 106.40%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.06	85	574861	4.43	PPBV	99
3) PROPYLENE	4.00	41	95473	4.27	PPBV	86
4) FREON 114	4.31	85	527468	4.39	PPBV	99
5) CHLOROMETHANE	4.22	50	138866	4.38	PPBV	100
6) VINYL CHLORIDE	4.44	62	160860	4.51	PPBV	100
7) 1,3-BUTADIENE	4.57	39	114982	4.91	PPBV	98
8) BROMOMETHANE	4.85	94	187462	4.64	PPBV	99
9) CHLOROETHANE	5.01	64	75837	4.78	PPBV	98
10) TRICHLOROFLUOROMETHANE	5.78	101	586158	4.37	PPBV	100
11) ISOPROPYL ALCOHOL	5.93	45	170699	4.38	PPBV	88
12) ACETONE	5.65	43	185483	3.20	PPBV	98
13) PENTANE	6.12	42	139627	4.26	PPBV	99
14) 1,1-DICHLOROETHYLENE	6.41	96	171035	4.82	PPBV	96
15) CARBON DISULFIDE	6.83	76	514549	4.29	PPBV	99
16) ETHANOL	5.20	45	29743	4.29	PPBV	94
17) BROMOETHENE	5.37	106	172775	4.92	PPBV	98
18) METHYLENE CHLORIDE	6.53	84	173474	1.98	PPBV	97
19) 3-CHLOROPROPENE	6.64	39	107493	4.46	PPBV	92
20) FREON 113	6.77	151	371412	4.34	PPBV	100
21) TRANS-1,2-DICHLOROETHYLENE	7.44	96	161098	4.66	PPBV	99
22) TERTIARY BUTYL ALCOHOL	6.53	59	228143	6.25	PPBV	93
23) METHYL TERTIARY BUTYL ETHE	7.72	73	323807	4.96	PPBV	100
24) TETRAHYDROFURAN	9.17	42	99605	4.73	PPBV	98
25) HEXANE	8.61	57	182043	2.80	PPBV	97
26) VINYL ACETATE	7.78	43	185035	4.49	PPBV	96
27) 1,1-DICHLOROETHANE	7.63	63	266094	4.38	PPBV	100
28) METHYL ETHYL KETONE	8.06	43	185377	4.69	PPBV	96
29) cis-1,2-DICHLOROETHYLENE	8.44	96	150202	4.45	PPBV	99
30) ETHYL ACETATE	8.68	43	197243	4.72	PPBV #	86
31) CHLOROFORM	8.73	83	372646	4.21	PPBV	100
32) 1,1,1-TRICHLOROETHANE	9.67	97	400463	4.30	PPBV	100
33) CARBON TETRACHLORIDE	10.24	117	503654	4.80	PPBV	100
34) 1,2-DICHLOROETHANE	9.43	62	204505	4.59	PPBV	99
36) BENZENE	10.11	78	368280	4.54	PPBV	99
37) CYCLOHEXANE	10.36	84	190950	5.57	PPBV	100
38) TRICHLOROETHYLENE	11.10	95	204757	4.67	PPBV	98
39) 1,2-DICHLOROPROPANE	10.88	63	127912	4.50	PPBV	99
40) BROMODICHLOROMETHANE	11.07	83	344565	4.62	PPBV	100
41) 2,2,4-TRIMETHYLPENTANE	11.11	57	603884	5.08	PPBV	99
42) 1,4-DIOXANE	11.17	88	59612	6.75	PPBV	91
43) HEPTANE	11.35	43	192835	4.96	PPBV	98

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10583.D
Acq On : 7 Jun 2007 12:16 pm
Operator : danat
Sample : ic548-5 (m109)
Misc : MS13684, MSJ548,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 07 13:36:11 2007
Quant Method : C:\MSDCHEM\1\METHODS\J060707T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jun 07 11:55:59 2007
Response via : Initial Calibration

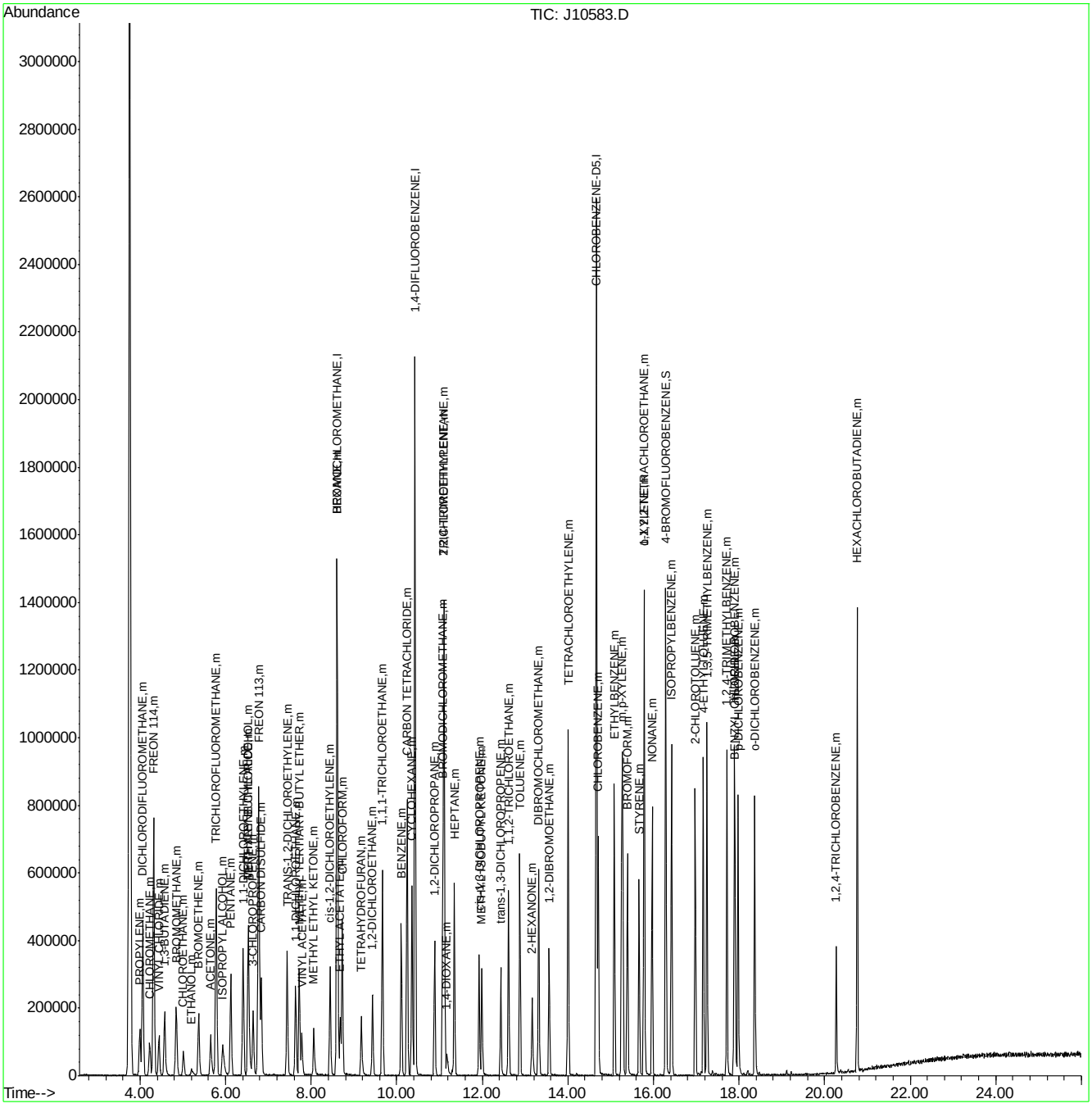
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.98	43	218338	5.49	PPBV	97
45) cis-1,3-DICHLOROPROPENE	11.92	75	175907	6.03	PPBV	98
46) TOLUENE	12.88	92	255104	5.35	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.43	75	157847	7.21	PPBV	98
48) 1,1,2-TRICHLOROETHANE	12.61	83	138927	4.81	PPBV	99
50) 2-HEXANONE	13.16	43	174185	7.82	PPBV	97
51) TETRACHLOROETHYLENE	14.00	164	228679	4.58	PPBV	100
52) DIBROMOCHLOROMETHANE	13.32	129	333799	4.93	PPBV	100
53) 1,2-DIBROMOETHANE	13.56	107	239874	5.69	PPBV	100
54) CHLOROBENZENE	14.71	112	368404	5.31	PPBV	99
55) ETHYLBENZENE	15.08	91	566322	6.60	PPBV	100
56) m,p-XYLENE	15.26	106	452487	13.69	PPBV	94
57) o-XYLENE	15.78	106	230301	6.76	PPBV	98
58) STYRENE	15.66	104	266259	9.85	PPBV	99
59) NONANE	15.97	43	252411	6.41	PPBV	97
60) BROMOFORM	15.39	173	322596	5.53	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.78	83	335693	5.17	PPBV	99
63) ISOPROPYLBENZENE	16.42	105	647729	6.40	PPBV	99
64) 2-CHLOROTOLUENE	16.97	91	434688	6.71	PPBV	99
65) 4-ETHYLTOLUENE	17.17	105	541394	8.03	PPBV #	49
66) 1,3,5-TRIMETHYLBENZENE	17.25	105	526828	7.09	PPBV	98
67) 1,2,4-TRIMETHYLBENZENE	17.72	105	468875	7.94	PPBV	99
68) m-DICHLOROBENZENE	17.90	146	358645	9.97	PPBV	99
69) BENZYL CHLORIDE	17.88	91	261110	16.20	PPBV	99
70) p-DICHLOROBENZENE	17.97	146	324420	11.64	PPBV	96
71) o-DICHLOROBENZENE	18.37	146	322389	8.32	PPBV	98
72) HEXACHLOROBUTADIENE	20.76	225	228202	3.86	PPBV	98
73) 1,2,4-TRICHLOROBENZENE	20.27	180	108282	14.74	PPBV	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10583.D
Acq On : 7 Jun 2007 12:16 pm
Operator : danat
Sample : ic548-5 (m109)
Misc : MS13684, MSJ548,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 07 13:36:11 2007
Quant Method : C:\MSDCHEM\1\METHODS\J060707T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jun 07 11:55:59 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10584.D
Acq On : 7 Jun 2007 2:01 pm
Operator : danat
Sample : icc548-10 (m109)
Misc : MS13684, MSJ548,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 07 14:29:00 2007
Quant Method : C:\MSDCHEM\1\METHODS\J060707T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jun 07 13:36:34 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	335391	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.44	114	1562152	10.00	PPBV	0.01
49) CHLOROBENZENE-D5	14.68	117	1446956	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.30	95	462083	5.68	PPBV	0.00
Spiked Amount 5.000	Range 51 - 142		Recovery = 113.60%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.08	85	1340777	12.14	PPBV	100
3) PROPYLENE	4.00	41	248996	13.20	PPBV	91
4) FREON 114	4.33	85	1187813	11.65	PPBV	100
5) CHLOROMETHANE	4.24	50	330104	12.27	PPBV	96
6) VINYL CHLORIDE	4.46	62	392314	12.88	PPBV	98
7) 1,3-BUTADIENE	4.59	39	266776	13.07	PPBV	99
8) BROMOMETHANE	4.86	94	423926	12.20	PPBV	99
9) CHLOROETHANE	5.03	64	164725	11.98	PPBV	99
10) TRICHLOROFLUOROMETHANE	5.79	101	1293116	11.37	PPBV	99
11) ISOPROPYL ALCOHOL	5.99	45	470030	14.21	PPBV	94
12) ACETONE	5.66	43	462889	10.02	PPBV	99
13) PENTANE	6.13	42	304985	11.03	PPBV	99
14) 1,1-DICHLOROETHYLENE	6.42	96	399051	12.96	PPBV	98
15) CARBON DISULFIDE	6.84	76	1170771	11.54	PPBV	99
16) ETHANOL	5.24	45	85682	14.80	PPBV	84
17) BROMOETHENE	5.39	106	409451	13.36	PPBV	99
18) METHYLENE CHLORIDE	6.54	84	360689	5.53	PPBV	99
19) 3-CHLOROPROPENE	6.66	39	250101	12.16	PPBV	98
20) FREON 113	6.79	151	806897	11.12	PPBV	99
21) TRANS-1,2-DICHLOROETHYLENE	7.45	96	369889	12.42	PPBV	99
22) TERTIARY BUTYL ALCOHOL	6.58	59	630825	18.56	PPBV	96
23) METHYL TERTIARY BUTYL ETHE	7.73	73	898098	15.74	PPBV	100
24) TETRAHYDROFURAN	9.18	42	282078	15.58	PPBV	98
25) HEXANE	8.63	57	404600	7.97	PPBV	98
26) VINYL ACETATE	7.80	43	550071	15.78	PPBV	99
27) 1,1-DICHLOROETHANE	7.65	63	609128	11.81	PPBV	100
28) METHYL ETHYL KETONE	8.08	43	498942	14.64	PPBV	99
29) cis-1,2-DICHLOROETHYLENE	8.46	96	367159	12.77	PPBV	100
30) ETHYL ACETATE	8.70	43	549745	15.22	PPBV	100
31) CHLOROFORM	8.74	83	860299	11.54	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.68	97	924831	11.74	PPBV	100
33) CARBON TETRACHLORIDE	10.25	117	1146531	12.60	PPBV	100
34) 1,2-DICHLOROETHANE	9.45	62	530993	13.88	PPBV	99
36) BENZENE	10.12	78	968590	13.31	PPBV	99
37) CYCLOHEXANE	10.37	84	445342	13.76	PPBV	99
38) TRICHLOROETHYLENE	11.12	95	519715	13.13	PPBV	98
39) 1,2-DICHLOROPROPANE	10.90	63	340450	13.37	PPBV	99
40) BROMODICHLOROMETHANE	11.09	83	884277	13.16	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.12	57	1411975	12.89	PPBV	100
42) 1,4-DIOXANE	11.19	88	177880	19.65	PPBV	97
43) HEPTANE	11.36	43	485962	13.64	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10584.D
Acq On : 7 Jun 2007 2:01 pm
Operator : danat
Sample : icc548-10 (m109)
Misc : MS13684, MSJ548,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 07 14:29:00 2007
Quant Method : C:\MSDCHEM\1\METHODS\J060707T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jun 07 13:36:34 2007
Response via : Initial Calibration

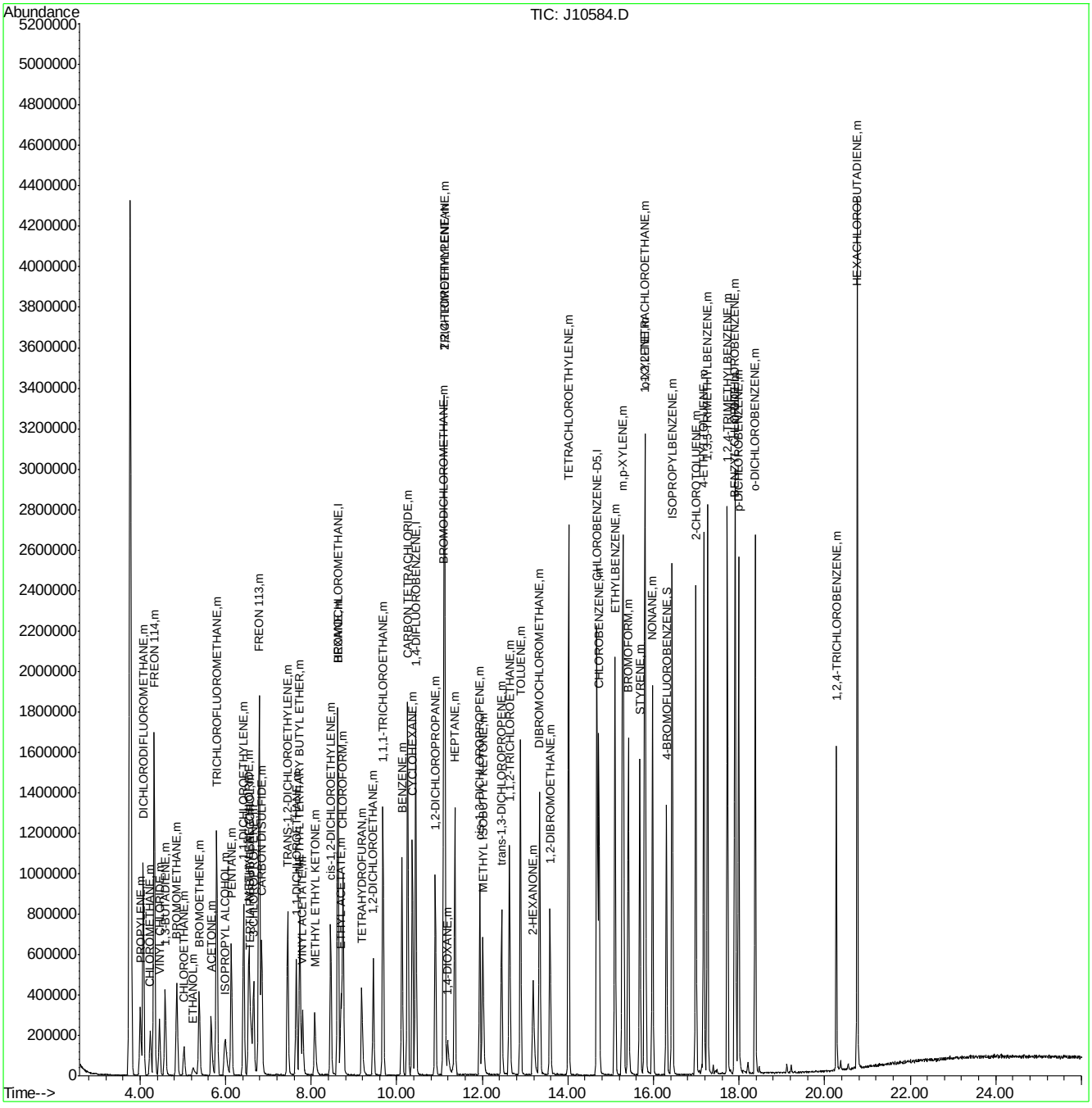
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.01	43	596743	15.96	PPBV	99
45) cis-1,3-DICHLOROPROPENE	11.94	75	535244	19.01	PPBV	99
46) TOLUENE	12.89	92	744598	16.73	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.45	75	510703	22.89	PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.63	83	370056	14.10	PPBV	99
50) 2-HEXANONE	13.18	43	516135	20.62	PPBV	100
51) TETRACHLOROETHYLENE	14.02	164	646296	13.44	PPBV	99
52) DIBROMOCHLOROMETHANE	13.34	129	940184	14.16	PPBV	100
53) 1,2-DIBROMOETHANE	13.58	107	696290	16.23	PPBV	100
54) CHLOROBENZENE	14.72	112	1059744	15.27	PPBV	99
55) ETHYLBENZENE	15.10	91	1663004	18.22	PPBV	99
56) m,p-XYLENE	15.29	106	1331628	37.47	PPBV	94
57) o-XYLENE	15.79	106	683802	18.73	PPBV	100
58) STYRENE	15.68	104	888887	26.88	PPBV	99
59) NONANE	15.98	43	705273	17.00	PPBV	99
60) BROMOFORM	15.41	173	977549	16.58	PPBV	100
62) 1,1,2,2-TETRACHLOROETHANE	15.81	83	926173	14.36	PPBV	100
63) ISOPROPYLBENZENE	16.44	105	1951452	18.31	PPBV	100
64) 2-CHLOROTOLUENE	16.99	91	1396454	20.16	PPBV	100
65) 4-ETHYLTOLUENE	17.18	105	1749104	22.87	PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.26	105	1607024	19.90	PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.73	105	1522469	22.84	PPBV	100
68) m-DICHLOROBENZENE	17.91	146	1124834	25.43	PPBV	100
69) BENZYL CHLORIDE	17.89	91	954768	38.57	PPBV	99
70) p-DICHLOROBENZENE	17.99	146	1072539	29.33	PPBV	100
71) o-DICHLOROBENZENE	18.38	146	1066731	23.97	PPBV	99
72) HEXACHLOROBUTADIENE	20.76	225	746113	13.60	PPBV	100
73) 1,2,4-TRICHLOROBENZENE	20.27	180	450556	41.88	PPBV	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10584.D
Acq On : 7 Jun 2007 2:01 pm
Operator : danat
Sample : icc548-10 (m109)
Misc : MS13684, MSJ548,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 07 14:29:00 2007
Quant Method : C:\MSDCHEM\1\METHODS\J060707T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jun 07 13:36:34 2007
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Philip Bassignani 06/18/07 11:53

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10585.D
Acq On : 7 Jun 2007 2:55 pm
Operator : danat
Sample : ic548-20 (m109)
Misc : MS13684, MSJ548,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 07 15:59:11 2007
Quant Method : C:\MSDCHEM\1\METHODS\J060707T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jun 07 14:29:16 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	371158	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.45	114	1632139	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.68	117	1523938	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.31	95	517501	5.88	PPBV	0.00
Spiked Amount 5.000	Range 51 - 142		Recovery = 117.60%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.07	85	2654998	20.84	PPBV	99
3) PROPYLENE	4.00	41	461436	20.78	PPBV	96
4) FREON 114	4.33	85	2461957	21.12	PPBV	98
5) CHLOROMETHANE	4.23	50	623255	20.02	PPBV	98
6) VINYL CHLORIDE	4.45	62	772314	21.66	PPBV	98
7) 1,3-BUTADIENE	4.58	39	540784	22.55	PPBV	97
8) BROMOMETHANE	4.85	94	898319	22.37	PPBV	99
9) CHLOROETHANE	5.02	64	379272	23.98	PPBV	99
10) TRICHLOROFLUOROMETHANE	5.78	101	2773086	21.44	PPBV	100
11) ISOPROPYL ALCOHOL	6.01	45	944953m	23.81	PPBV	
12) ACETONE	5.65	43	917269	17.94	PPBV	100
13) PENTANE	6.12	42	617842	19.78	PPBV	98
14) 1,1-DICHLOROETHYLENE	6.41	96	898984	24.91	PPBV	97
15) CARBON DISULFIDE	6.84	76	2419607	20.91	PPBV	99
16) ETHANOL	5.23	45	171611	23.91	PPBV	74
17) BROMOETHENE	5.38	106	913157	25.23	PPBV	99
18) METHYLENE CHLORIDE	6.54	84	833344	12.68	PPBV	97
19) 3-CHLOROPROPENE	6.65	39	692698	29.18	PPBV	90
20) FREON 113	6.78	151	1858262	22.64	PPBV	97
21) TRANS-1,2-DICHLOROETHYLENE	7.44	96	871227	25.21	PPBV	97
22) TERTIARY BUTYL ALCOHOL	6.60	59	1301937m	29.56	PPBV	
23) METHYL TERTIARY BUTYL ETHE	7.73	73	1848932	26.27	PPBV	99
24) TETRAHYDROFURAN	9.17	42	588515	25.77	PPBV	98
25) HEXANE	8.62	57	913450	16.95	PPBV	96
26) VINYL ACETATE	7.80	43	1171929	26.54	PPBV	98
27) 1,1-DICHLOROETHANE	7.65	63	1381252	23.35	PPBV	100
28) METHYL ETHYL KETONE	8.08	43	1040611	25.24	PPBV	98
29) cis-1,2-DICHLOROETHYLENE	8.45	96	839104	24.98	PPBV	99
30) ETHYL ACETATE	8.70	43	1155258	26.17	PPBV	100
31) CHLOROFORM	8.75	83	1854338	21.81	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.68	97	2134366	23.65	PPBV	99
33) CARBON TETRACHLORIDE	10.25	117	2542454	24.00	PPBV	99
34) 1,2-DICHLOROETHANE	9.46	62	1079562	23.67	PPBV	100
36) BENZENE	10.12	78	2099939	25.91	PPBV	100
37) CYCLOHEXANE	10.36	84	999766	27.50	PPBV	98
38) TRICHLOROETHYLENE	11.12	95	1051564	23.94	PPBV	98
39) 1,2-DICHLOROPROPANE	10.90	63	691249	24.35	PPBV	100
40) BROMODICHLOROMETHANE	11.10	83	1791169	24.00	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.12	57	3118326	25.76	PPBV	99
42) 1,4-DIOXANE	11.18	88	399502	34.03	PPBV	94
43) HEPTANE	11.36	43	1000352	25.05	PPBV	97

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10585.D
Acq On : 7 Jun 2007 2:55 pm
Operator : danat
Sample : ic548-20 (m109)
Misc : MS13684, MSJ548,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 07 15:59:11 2007
Quant Method : C:\MSDCHEM\1\METHODS\J060707T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jun 07 14:29:16 2007
Response via : Initial Calibration

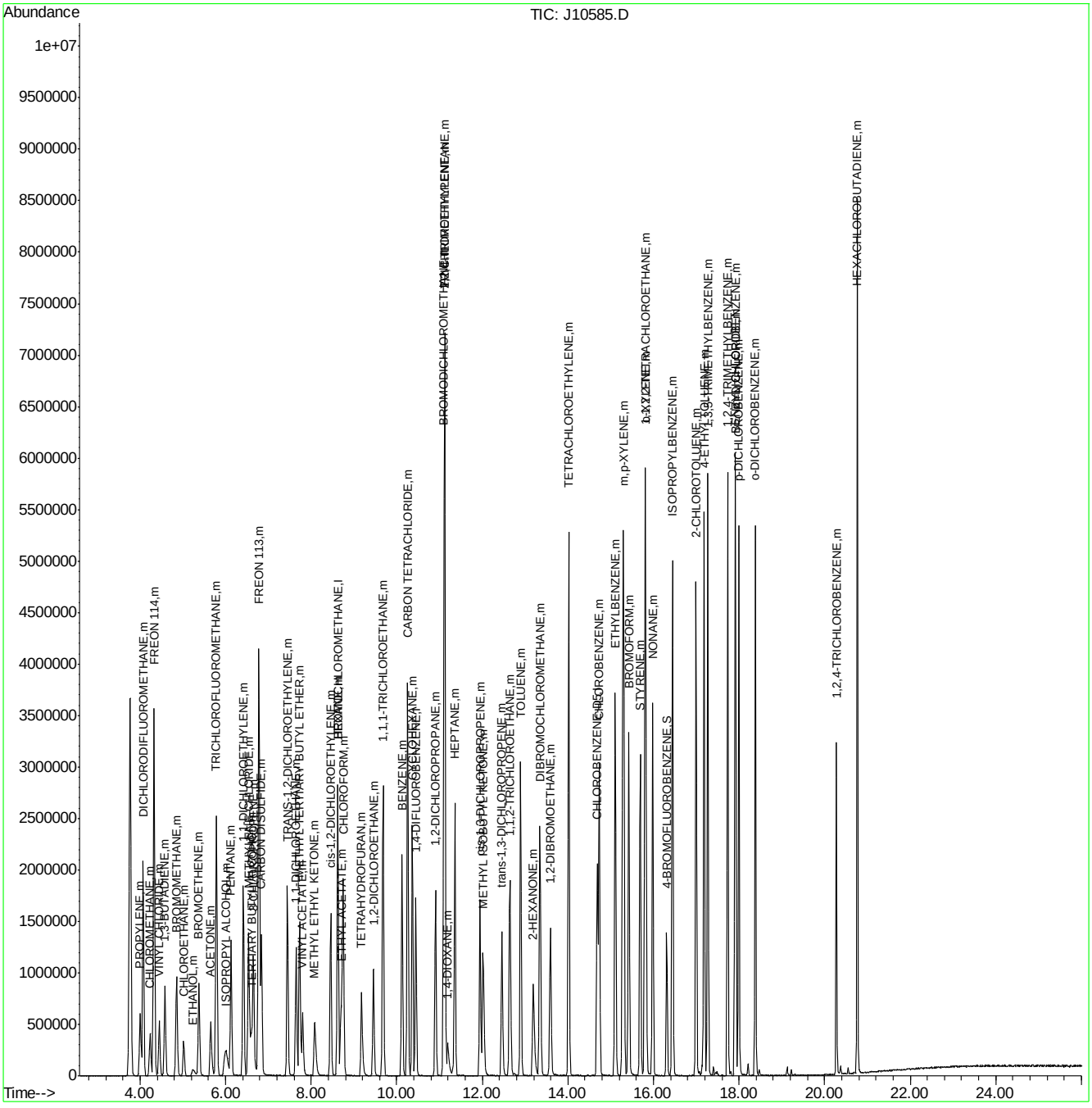
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.02	43	1266551	28.97	PPBV	99
45) cis-1,3-DICHLOROPROPENE	11.94	75	1109246	31.95	PPBV	99
46) TOLUENE	12.90	92	1527632	28.95	PPBV	100
47) trans-1,3-DICHLOROPROPENE	12.46	75	1085322	37.01	PPBV	98
48) 1,1,2-TRICHLOROETHANE	12.64	83	748631	25.23	PPBV	100
50) 2-HEXANONE	13.19	43	1079218	33.77	PPBV	98
51) TETRACHLOROETHYLENE	14.02	164	1351499	24.96	PPBV	100
52) DIBROMOCHLOROMETHANE	13.34	129	1940514	25.62	PPBV	100
53) 1,2-DIBROMOETHANE	13.59	107	1454896	28.63	PPBV	100
54) CHLOROBENZENE	14.73	112	2158961	26.72	PPBV	99
55) ETHYLBENZENE	15.10	91	3430834	30.65	PPBV	100
56) m,p-XYLENE	15.30	106	2777762	63.17	PPBV	98
57) o-XYLENE	15.80	106	1418743	31.41	PPBV	99
58) STYRENE	15.69	104	2016749	43.29	PPBV	100
59) NONANE	15.98	43	1427332	28.66	PPBV	99
60) BROMOFORM	15.42	173	2112670m	30.06	PPBV	
62) 1,1,2,2-TETRACHLOROETHANE	15.82	83	1951246	26.42	PPBV	99
63) ISOPROPYLBENZENE	16.44	105	4108590	31.39	PPBV	99
64) 2-CHLOROTOLUENE	17.00	91	2940168	33.50	PPBV	99
65) 4-ETHYLTOLUENE	17.18	105	3904250	38.55	PPBV	98
66) 1,3,5-TRIMETHYLBENZENE	17.27	105	3523200	34.57	PPBV	100
67) 1,2,4-TRIMETHYLBENZENE	17.73	105	3326863	37.70	PPBV	99
68) m-DICHLOROBENZENE	17.92	146	2404313	39.44	PPBV	100
69) BENZYL CHLORIDE	17.90	91	2000974	48.84	PPBV	99
70) p-DICHLOROBENZENE	17.99	146	2277219	42.65	PPBV	99
71) o-DICHLOROBENZENE	18.38	146	2224278	37.10	PPBV	99
72) HEXACHLOROBUTADIENE	20.76	225	1457697	23.53	PPBV	100
73) 1,2,4-TRICHLOROBENZENE	20.27	180	897311	48.36	PPBV	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10585.D
Acq On : 7 Jun 2007 2:55 pm
Operator : danat
Sample : ic548-20 (m109)
Misc : MS13684, MSJ548,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 07 15:59:11 2007
Quant Method : C:\MSDCHEM\1\METHODS\J060707T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jun 07 14:29:16 2007
Response via : Initial Calibration

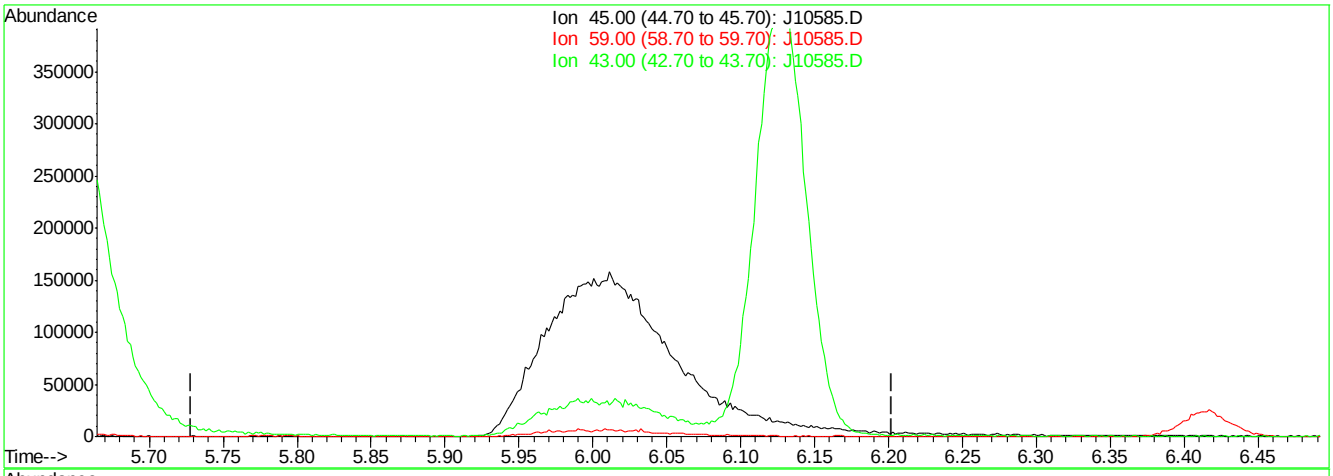


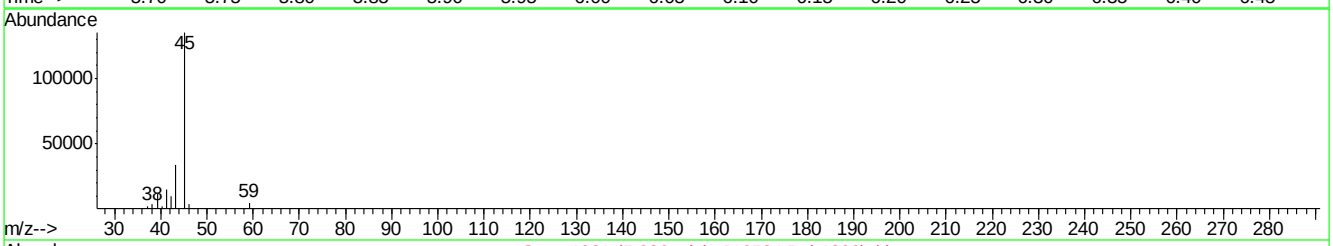
Quantitation Report (Qedit)

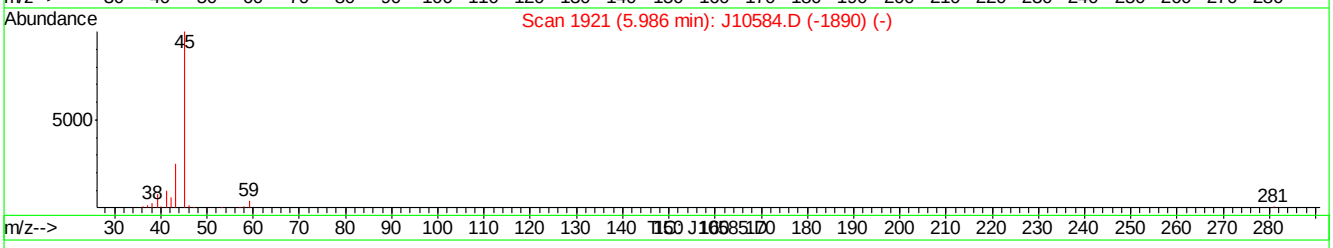
Data File : C:\MSDChem\1\data\J10585.D Vial: 2
Acq On : 7 Jun 2007 2:55 pm Operator: danat
Sample : ic548-20 (m109) Inst : MSJ
Misc : MS13684, MSJ548,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 07 15:57:21 2007 Results File: J060707T.RES

Method : C:\MSDCHEM\1\METHODS\J060707T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jun 07 14:29:16 2007
Response via : Multiple Level Calibration







(11) ISOPROPYL ALCOHOL (m)

5.99min 0.00PPBV

response 0

Ion	Exp%	Act%
45.00	100	0.00
59.00	4.00	0.00
43.00	24.90	0.00#
0.00	0.00	0.00

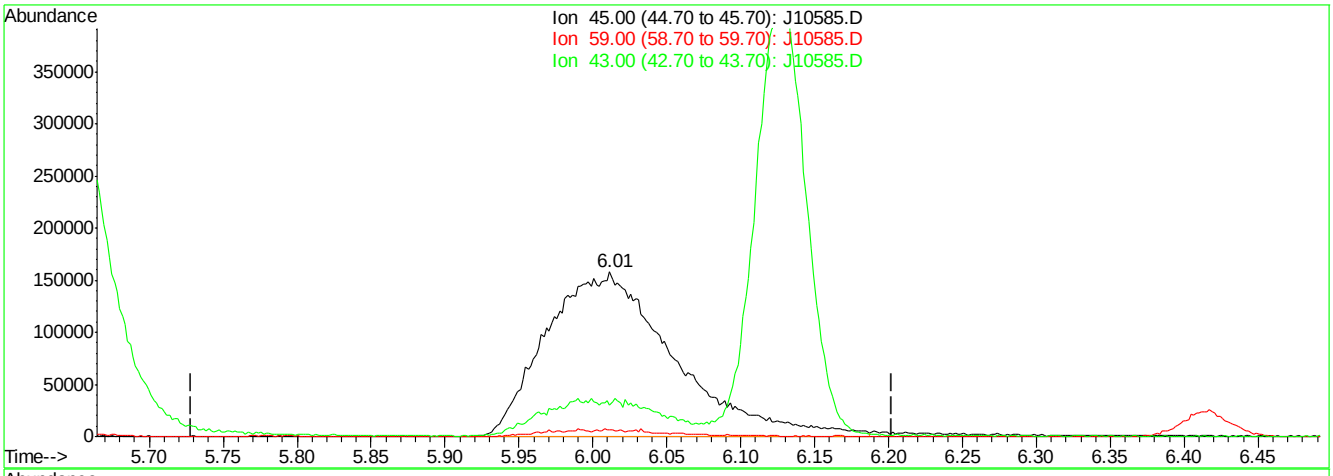
J10585.D J060707T.M Thu Jun 07 15:57:54 2007

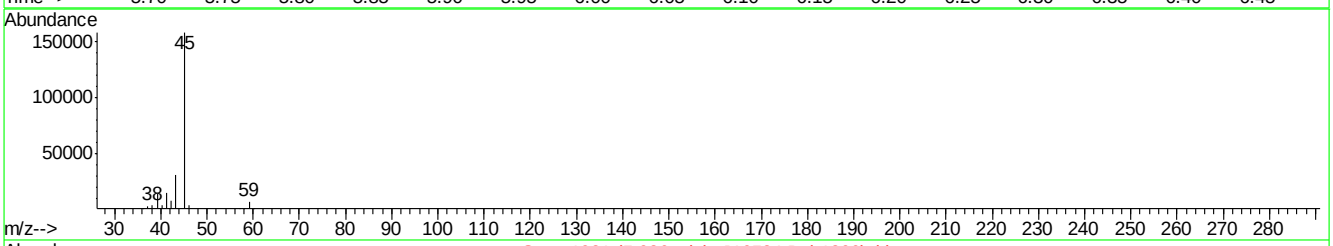
Quantitation Report (Qedit)

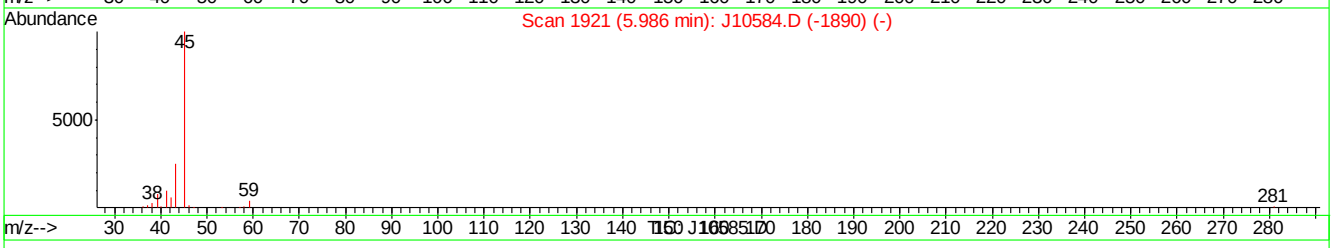
Data File : C:\MSDChem\1\data\J10585.D Vial: 2
Acq On : 7 Jun 2007 2:55 pm Operator: danat
Sample : ic548-20 (m109) Inst : MSJ
Misc : MS13684, MSJ548,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 07 15:57:21 2007 Results File: J060707T.RES

Method : C:\MSDCHEM\1\METHODS\J060707T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jun 07 14:29:16 2007
Response via : Multiple Level Calibration







(11) ISOPROPYL ALCOHOL (m)

6.01min 23.81PPBV m

response 944953

Ion	Exp%	Act%
45.00	100	100
59.00	4.00	4.26
43.00	24.90	19.21
0.00	0.00	0.00

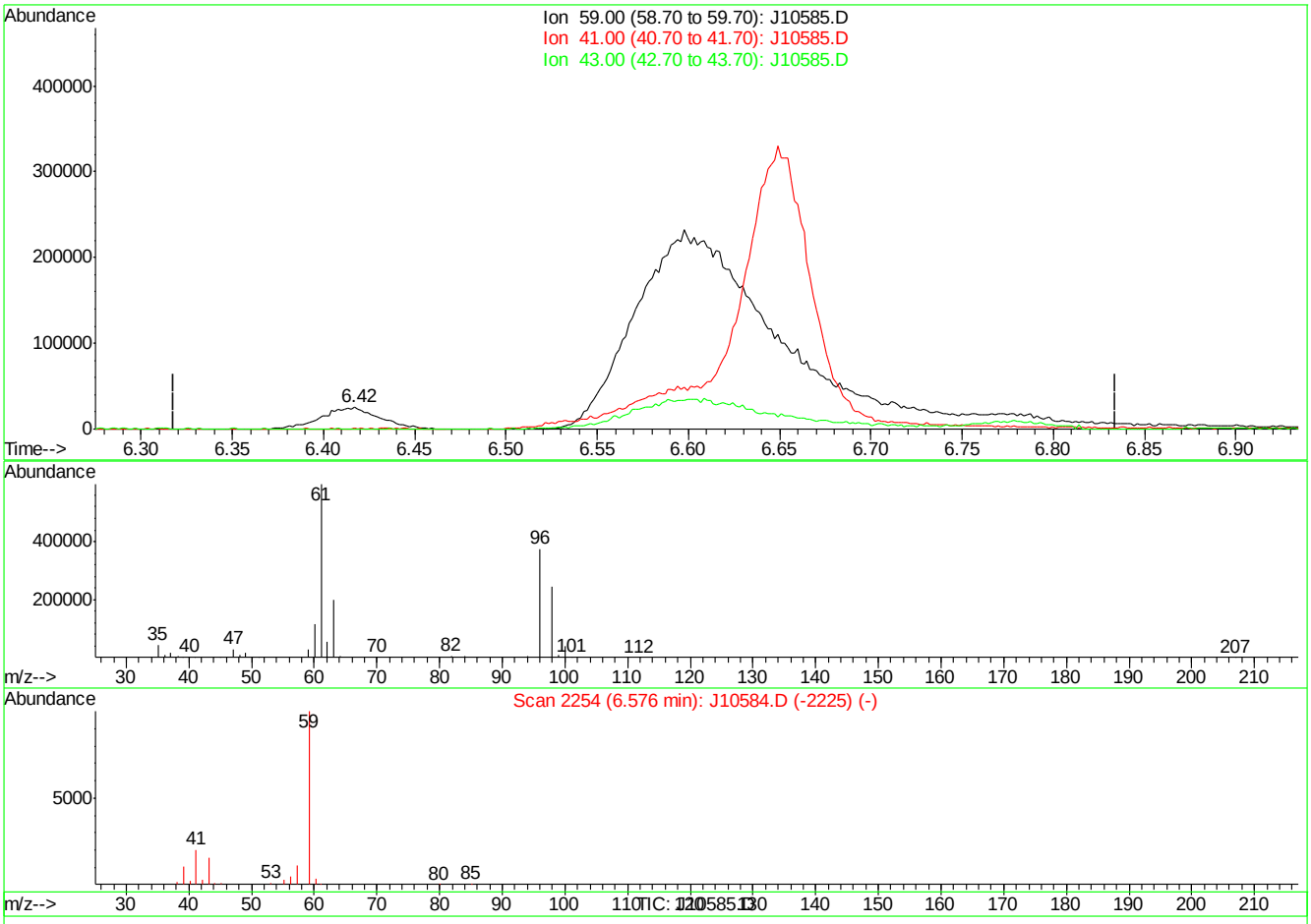
J10585.D J060707T.M Thu Jun 07 15:58:00 2007

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10585.D Vial: 2
Acq On : 7 Jun 2007 2:55 pm Operator: danat
Sample : ic548-20 (m109) Inst : MSJ
Misc : MS13684, MSJ548,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 07 15:57:21 2007 Results File: J060707T.RES

Method : C:\MSDCHEM\1\METHODS\J060707T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jun 07 14:29:16 2007
Response via : Multiple Level Calibration



(22) TERTIARY BUTYL ALCOHOL (m)

6.42min 1.27PPBV

response 55937

Ion	Exp%	Act%
59.00	100	100
41.00	18.10	0.00
43.00	16.70	0.00
0.00	0.00	0.00

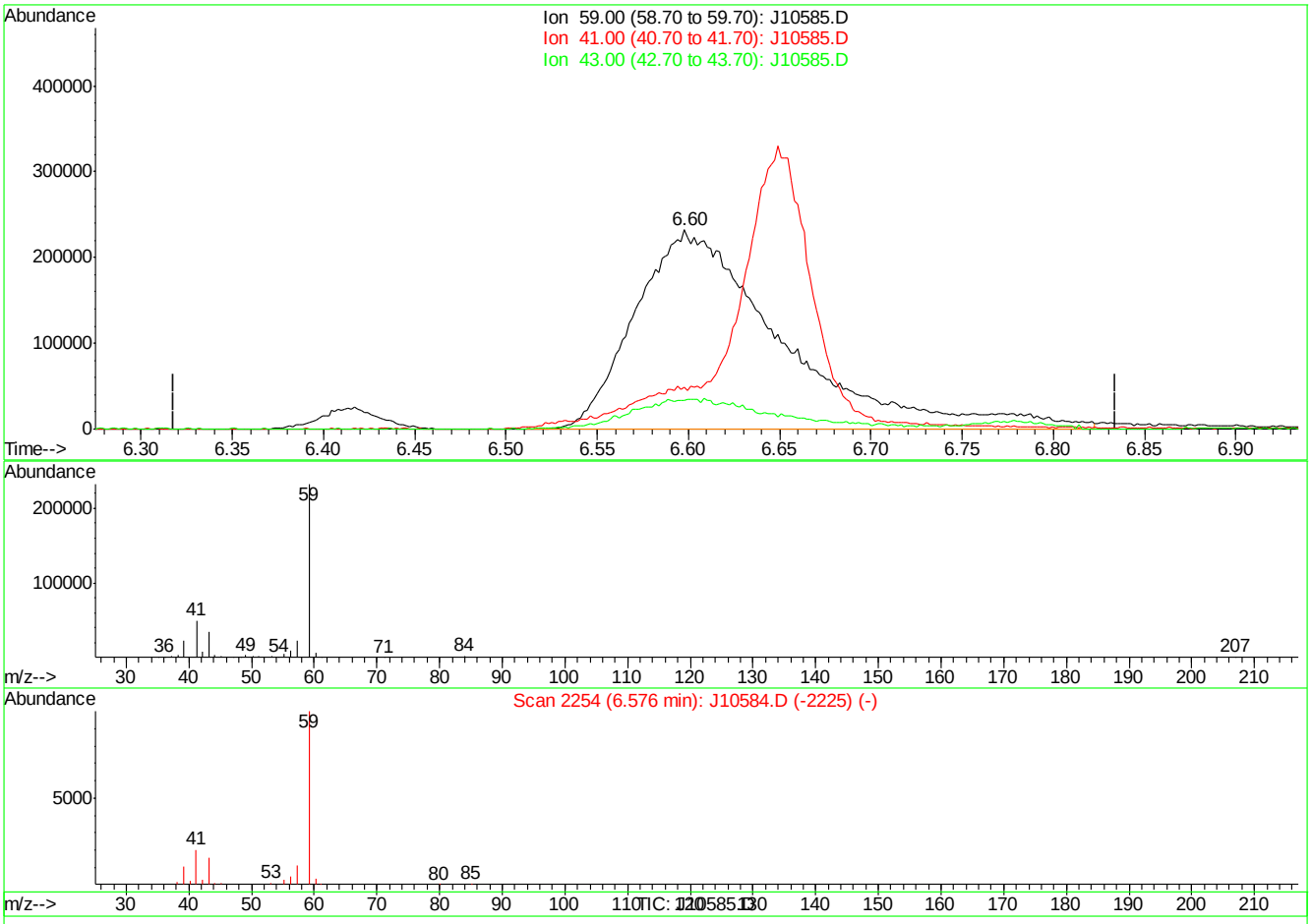
J10585.D J060707T.M Thu Jun 07 15:58:12 2007

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10585.D Vial: 2
Acq On : 7 Jun 2007 2:55 pm Operator: danat
Sample : ic548-20 (m109) Inst : MSJ
Misc : MS13684, MSJ548,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 07 15:57:21 2007 Results File: J060707T.RES

Method : C:\MSDCHEM\1\METHODS\J060707T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jun 07 14:29:16 2007
Response via : Multiple Level Calibration



(22) TERTIARY BUTYL ALCOHOL (m)

6.60min 29.56PPBV m

response 1301937

Ion	Exp%	Act%
59.00	100	100
41.00	18.10	0.00
43.00	16.70	0.00
0.00	0.00	0.00

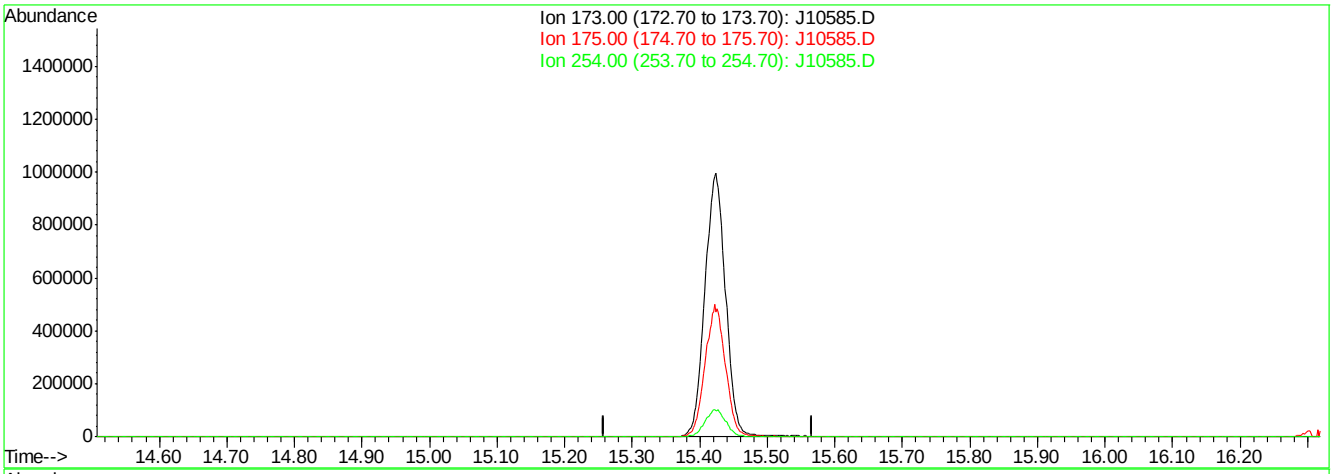
J10585.D J060707T.M Thu Jun 07 15:58:20 2007

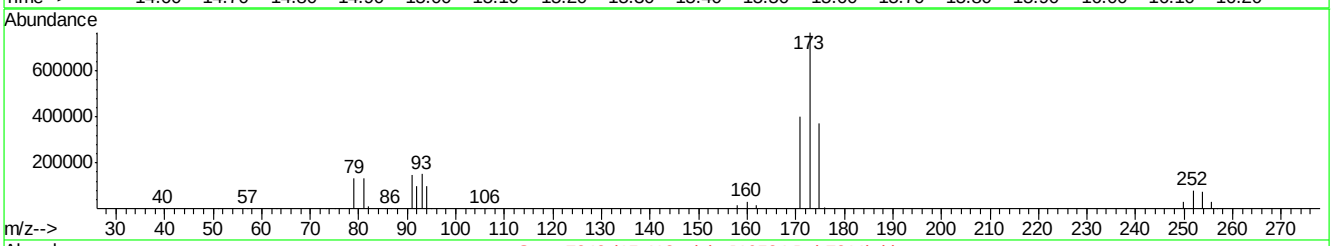
Quantitation Report (Qedit)

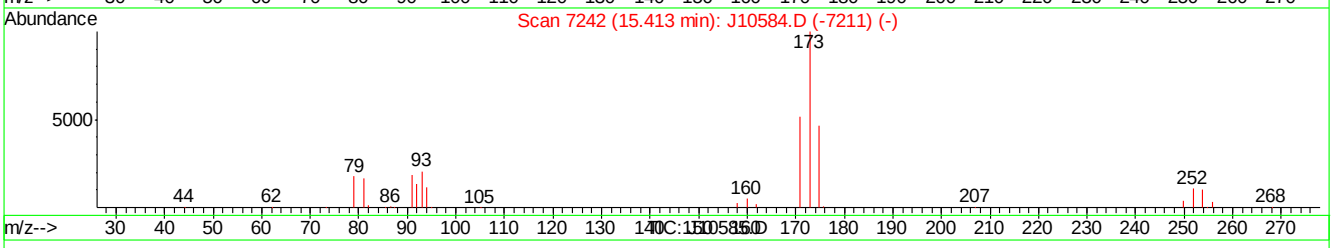
Data File : C:\MSDChem\1\data\J10585.D Vial: 2
Acq On : 7 Jun 2007 2:55 pm Operator: danat
Sample : ic548-20 (m109) Inst : MSJ
Misc : MS13684, MSJ548,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 07 15:57:21 2007 Results File: J060707T.RES

Method : C:\MSDCHEM\1\METHODS\J060707T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jun 07 14:29:16 2007
Response via : Multiple Level Calibration







(60) BROMOFORM (m)

15.41min 0.00PPBV

response 0

Ion	Exp%	Act%
173.00	100	0.00
175.00	48.90	0.00#
254.00	10.20	0.00
0.00	0.00	0.00

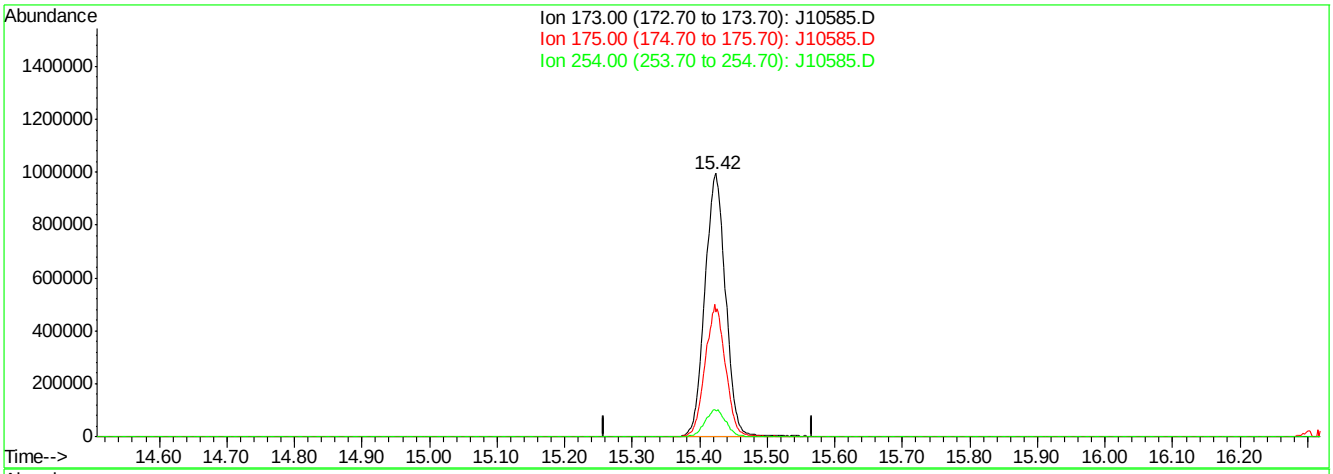
J10585.D J060707T.M Thu Jun 07 15:58:53 2007

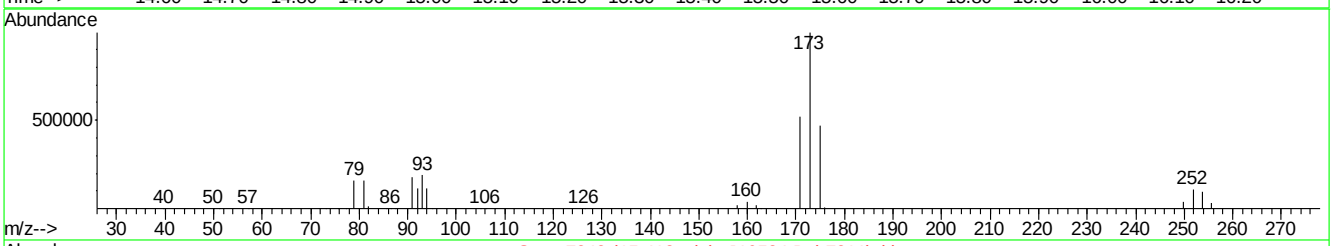
Quantitation Report (Qedit)

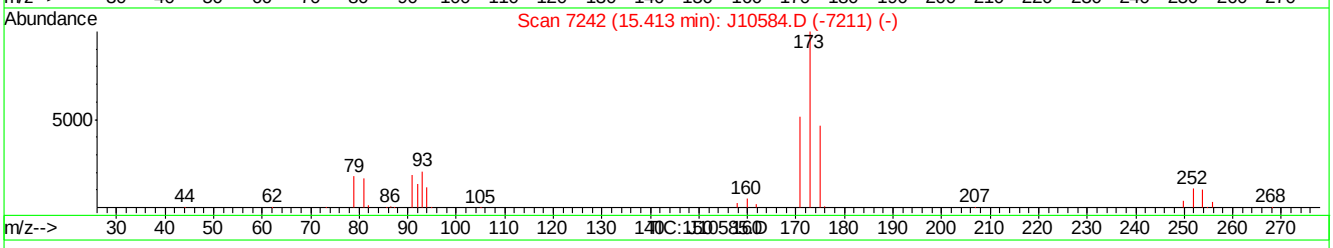
Data File : C:\MSDChem\1\data\J10585.D Vial: 2
Acq On : 7 Jun 2007 2:55 pm Operator: danat
Sample : ic548-20 (m109) Inst : MSJ
Misc : MS13684, MSJ548,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 07 15:57:21 2007 Results File: J060707T.RES

Method : C:\MSDCHEM\1\METHODS\J060707T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jun 07 14:29:16 2007
Response via : Multiple Level Calibration







(60) BROMOFORM (m)

15.42min 30.06PPBV m

response 2112670

Ion	Exp%	Act%
173.00	100	100
175.00	48.90	0.00#
254.00	10.20	0.00
0.00	0.00	0.00

J10585.D J060707T.M Thu Jun 07 15:58:59 2007

J10586.D

Manual Integrations APPROVED (compounds with "m" flag)

Philip Bassignani 06/18/07 11:53

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10586.D
Acq On : 7 Jun 2007 3:51 pm
Operator : danat
Sample : ic548-40 (m109)
Misc : MS13684, MSJ548,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 07 16:28:58 2007
Quant Method : C:\MSDCHEM\1\METHODS\J060707T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jun 07 16:02:32 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	370314	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.45	114	1649653	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.68	117	1530293	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.31	95	520276	5.72	PPBV	0.01
Spiked Amount 5.000	Range 51 - 142		Recovery	= 114.40%		
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.06	85	5506566	43.01	PPBV	99
3) PROPYLENE	3.99	41	953810	42.77	PPBV	97
4) FREON 114	4.32	85	5219925	44.46	PPBV	97
5) CHLOROMETHANE	4.22	50	1288539	41.48	PPBV	99
6) VINYL CHLORIDE	4.44	62	1615415	44.79	PPBV	98
7) 1,3-BUTADIENE	4.57	39	1127742	46.15	PPBV	95
8) BROMOMETHANE	4.85	94	1898818	46.48	PPBV	99
9) CHLOROETHANE	5.01	64	797515	48.91	PPBV	99
10) TRICHLOROFLUOROMETHANE	5.77	101	5899376	45.18	PPBV	100
11) ISOPROPYL ALCOHOL	5.99	45	2099386m	51.38	PPBV	
12) ACETONE	5.64	43	2016142	40.21	PPBV	99
13) PENTANE	6.12	42	1276832	41.05	PPBV	98
14) 1,1-DICHLOROETHYLENE	6.40	96	1931524	51.53	PPBV	93
15) CARBON DISULFIDE	6.83	76	4985551	42.86	PPBV	99
16) ETHANOL	5.21	45	382215	51.37	PPBV	71
17) BROMOETHENE	5.37	106	1964700	52.13	PPBV	99
18) METHYLENE CHLORIDE	6.53	84	1749905	43.15	PPBV	94
19) 3-CHLOROPROPENE	6.64	39	1269985	49.81	PPBV	95
20) FREON 113	6.77	151	4061818	48.53	PPBV	95
21) TRANS-1,2-DICHLOROETHYLENE	7.44	96	1879169	52.23	PPBV	94
22) TERTIARY BUTYL ALCOHOL	6.58	59	1741714	26.48	PPBV	96
23) METHYL TERTIARY BUTYL ETHE	7.72	73	4157607	56.26	PPBV	98
24) TETRAHYDROFURAN	9.16	42	1311481	54.42	PPBV	96
25) HEXANE	8.62	57	1884525	41.76	PPBV	95
26) VINYL ACETATE	7.79	43	2572486	54.81	PPBV	97
27) 1,1-DICHLOROETHANE	7.64	63	2953957	48.70	PPBV	99
28) METHYL ETHYL KETONE	8.07	43	2234297	52.05	PPBV	97
29) cis-1,2-DICHLOROETHYLENE	8.45	96	1879081	53.84	PPBV	96
30) ETHYL ACETATE	8.69	43	2446391	52.82	PPBV	99
31) CHLOROFORM	8.74	83	4018522	46.67	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.68	97	4653908	50.16	PPBV	99
33) CARBON TETRACHLORIDE	10.25	117	5533960	50.67	PPBV	99
34) 1,2-DICHLOROETHANE	9.45	62	2470131	52.67	PPBV	99
36) BENZENE	10.12	78	4837089	56.28	PPBV	100
37) CYCLOHEXANE	10.36	84	2139280	54.79	PPBV	96
38) TRICHLOROETHYLENE	11.12	95	2368140	51.64	PPBV	94
39) 1,2-DICHLOROPROPANE	10.90	63	1583943	53.27	PPBV	99
40) BROMODICHLOROMETHANE	11.10	83	4053697	52.01	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.12	57	6454898	50.34	PPBV	97
42) 1,4-DIOXANE	11.18	88	899668	43.79	PPBV	95
43) HEPTANE	11.36	43	2180959	51.85	PPBV	95

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10586.D
Acq On : 7 Jun 2007 3:51 pm
Operator : danat
Sample : ic548-40 (m109)
Misc : MS13684, MSJ548,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 07 16:28:58 2007
Quant Method : C:\MSDCHEM\1\METHODS\J060707T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jun 07 16:02:32 2007
Response via : Initial Calibration

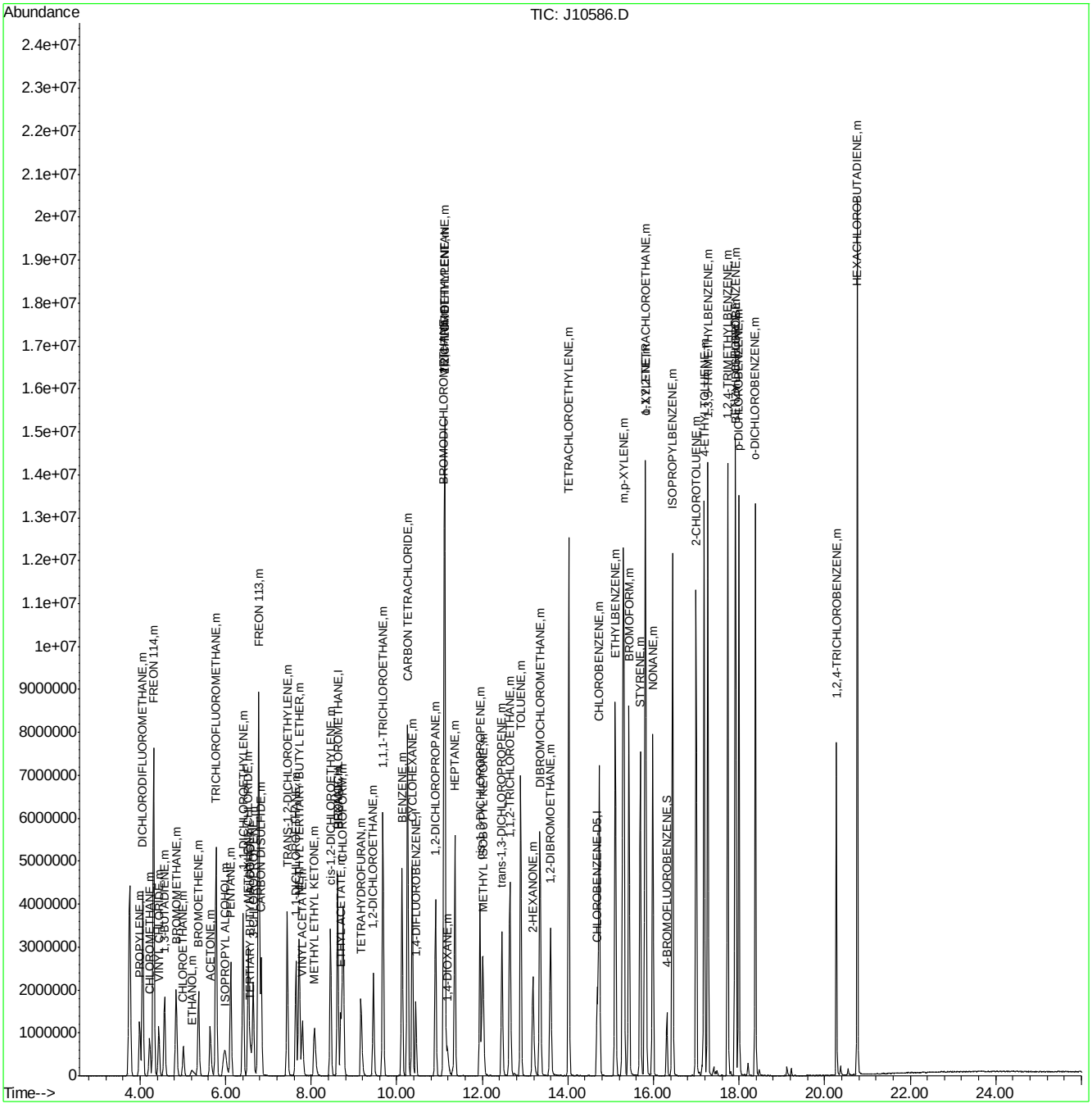
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.01	43	2898628	45.08	PPBV	97
45) cis-1,3-DICHLOROPROPENE	11.95	75	2598251	45.77	PPBV	99
46) TOLUENE	12.90	92	3571070	45.73	PPBV	100
47) trans-1,3-DICHLOROPROPENE	12.46	75	2568983	39.15	PPBV	98
48) 1,1,2-TRICHLOROETHANE	12.64	83	1723872	55.08	PPBV	100
50) 2-HEXANONE	13.18	43	2488622	45.33	PPBV	96
51) TETRACHLOROETHYLENE	14.02	164	3258131	57.55	PPBV	100
52) DIBROMOCHLOROMETHANE	13.35	129	4525133	56.84	PPBV	99
53) 1,2-DIBROMOETHANE	13.59	107	3436834m	62.82	PPBV	
54) CHLOROBENZENE	14.73	112	5130003	59.88	PPBV	98
55) ETHYLBENZENE	15.11	91	8057233	46.15	PPBV	99
56) m,p-XYLENE	15.30	106	6516820	92.32	PPBV	100
57) o-XYLENE	15.80	106	3351720	46.45	PPBV	97
58) STYRENE	15.69	104	4879823	38.30	PPBV	99
59) NONANE	15.98	43	3099225	42.71	PPBV	96
60) BROMOFORM	15.43	173	5141913	48.14	PPBV	100
62) 1,1,2,2-TETRACHLOROETHANE	15.82	83	4394440m	56.25	PPBV	
63) ISOPROPYLBENZENE	16.44	105	9696524	46.53	PPBV	99
64) 2-CHLOROTOLUENE	17.00	91	6886897	46.07	PPBV	97
65) 4-ETHYLTOLUENE	17.18	105	9352371	47.36	PPBV	97
66) 1,3,5-TRIMETHYLBENZENE	17.27	105	8402143	47.19	PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.74	105	8116398	48.09	PPBV	98
68) m-DICHLOROBENZENE	17.92	146	5994958	48.84	PPBV	99
69) BENZYL CHLORIDE	17.90	91	5034226	41.95	PPBV	98
70) p-DICHLOROBENZENE	18.00	146	5672977	48.65	PPBV	99
71) o-DICHLOROBENZENE	18.38	146	5496964	48.31	PPBV	100
72) HEXACHLOROBUTADIENE	20.76	225	3552393	55.47	PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.27	180	2163377	42.16	PPBV	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10586.D
Acq On : 7 Jun 2007 3:51 pm
Operator : danat
Sample : ic548-40 (m109)
Misc : MS13684, MSJ548,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 07 16:28:58 2007
Quant Method : C:\MSDCHEM\1\METHODS\J060707T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jun 07 16:02:32 2007
Response via : Initial Calibration

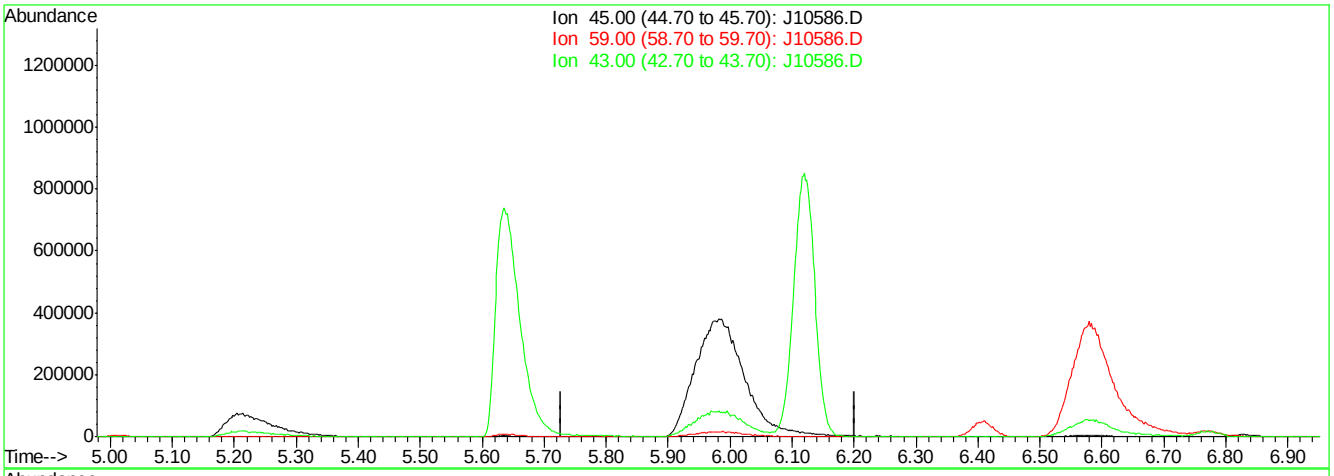


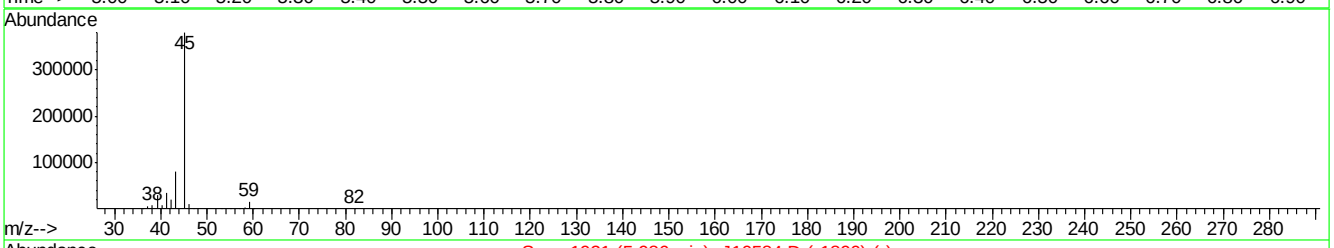
Quantitation Report (Qedit)

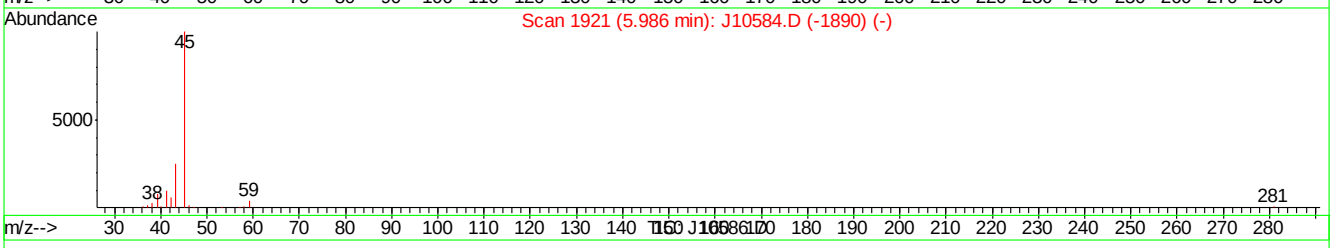
Data File : C:\MSDChem\1\data\J10586.D Vial: 2
Acq On : 7 Jun 2007 3:51 pm Operator: danat
Sample : ic548-40 (m109) Inst : MSJ
Misc : MS13684, MSJ548,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 07 16:27:22 2007 Results File: J060707T.RES

Method : C:\MSDCHEM\1\METHODS\J060707T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jun 07 16:02:32 2007
Response via : Multiple Level Calibration







(11) ISOPROPYL ALCOHOL (m)

5.99min 0.00PPBV

response 0

Ion	Exp%	Act%
45.00	100	0.00
59.00	4.00	0.00
43.00	24.90	0.00#
0.00	0.00	0.00

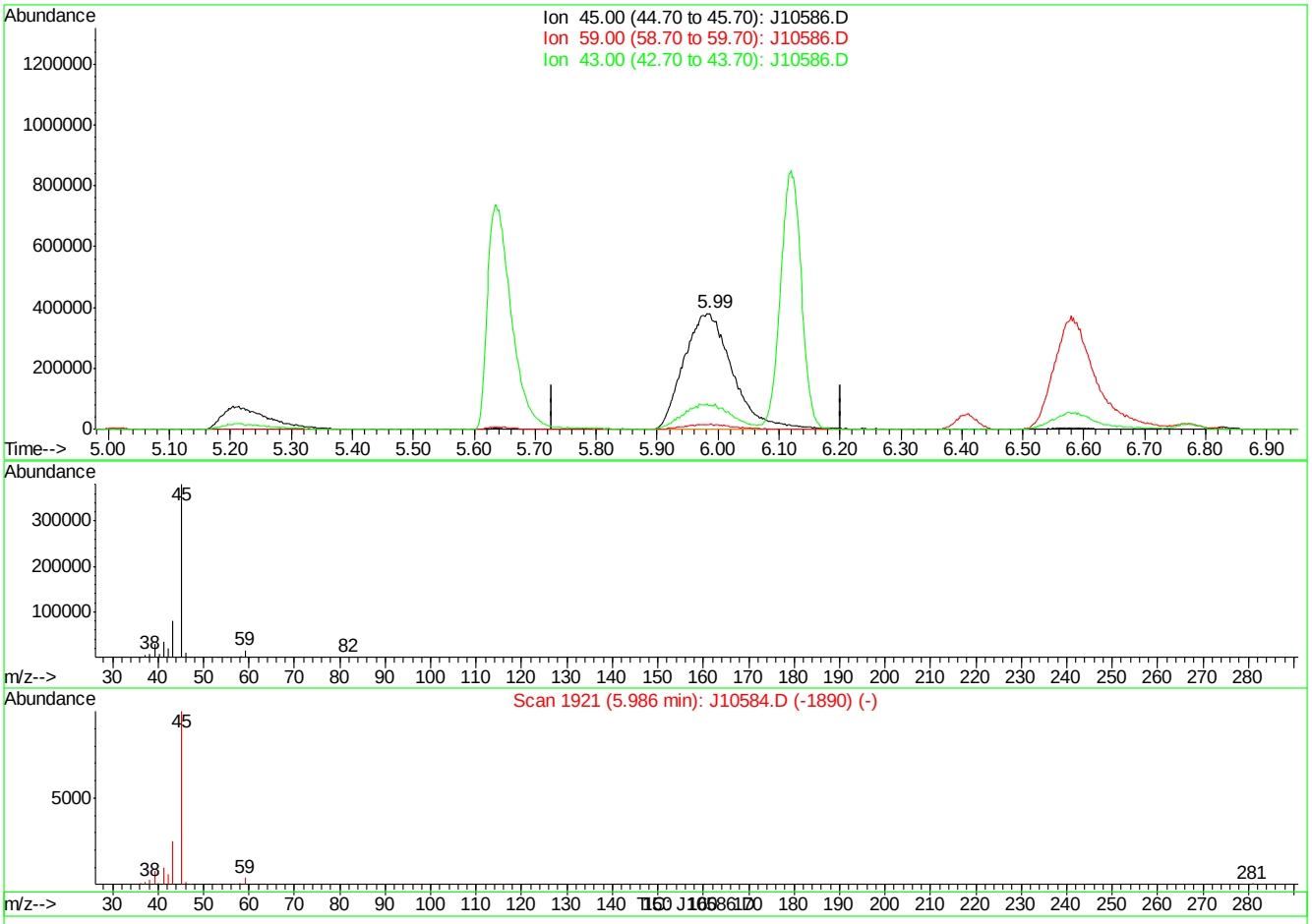
J10586.D J060707T.M Thu Jun 07 16:27:48 2007

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10586.D Vial: 2
Acq On : 7 Jun 2007 3:51 pm Operator: danat
Sample : ic548-40 (m109) Inst : MSJ
Misc : MS13684, MSJ548,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 07 16:27:22 2007 Results File: J060707T.RES

Method : C:\MSDCHEM\1\METHODS\J060707T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jun 07 16:02:32 2007
Response via : Multiple Level Calibration



(11) ISOPROPYL ALCOHOL (m)

5.99min 51.38PPBV m

response 2099386

Ion	Exp%	Act%
45.00	100	100
59.00	4.00	3.95
43.00	24.90	21.12
0.00	0.00	0.00

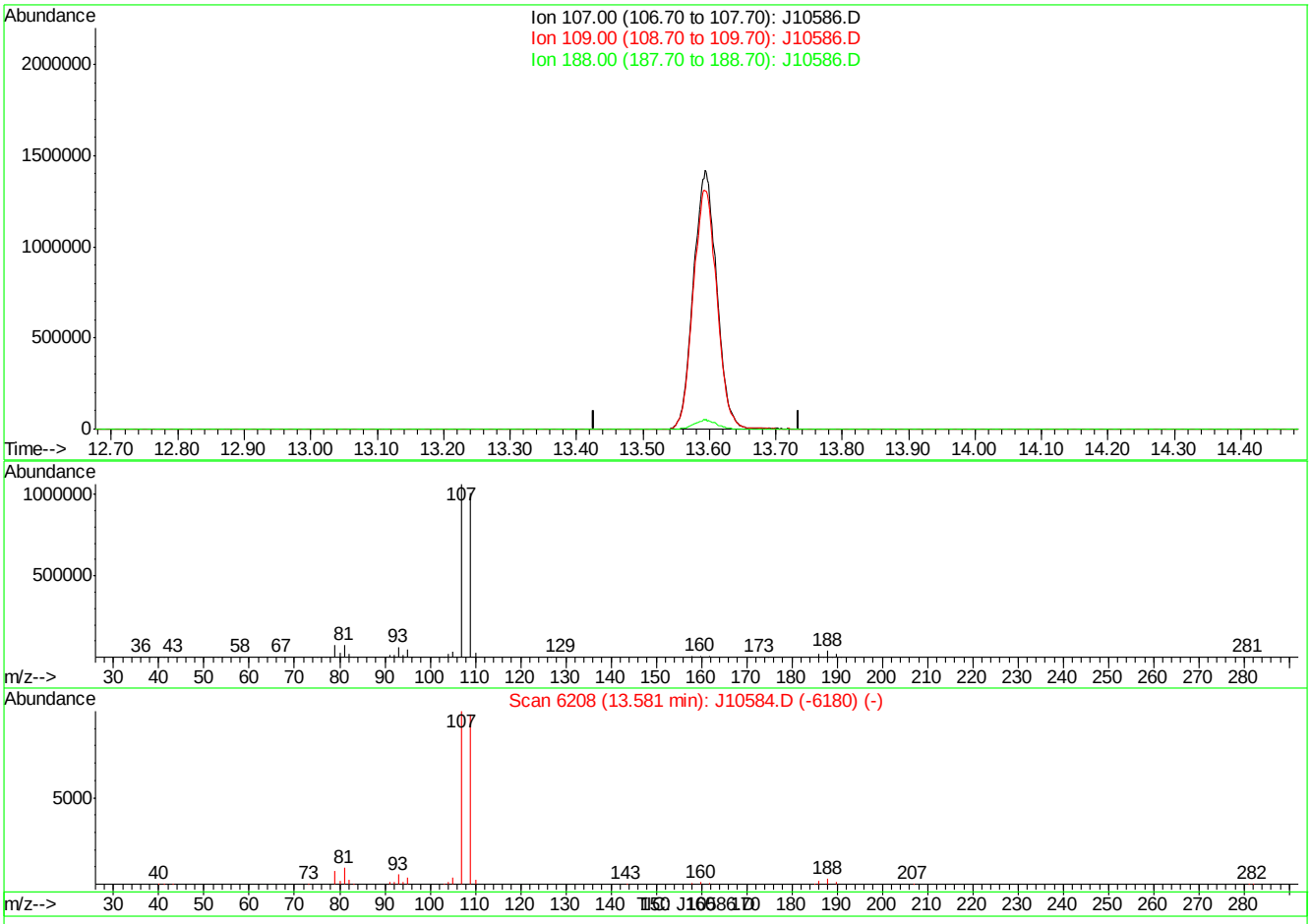
J10586.D J060707T.M Thu Jun 07 16:27:53 2007

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10586.D Vial: 2
Acq On : 7 Jun 2007 3:51 pm Operator: danat
Sample : ic548-40 (m109) Inst : MSJ
Misc : MS13684, MSJ548,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 07 16:27:22 2007 Results File: J060707T.RES

Method : C:\MSDCHEM\1\METHODS\J060707T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jun 07 16:02:32 2007
Response via : Multiple Level Calibration



(53) 1,2-DIBROMOETHANE (m)

13.58min 0.00PPBV

response 0

Ion	Exp%	Act%
107.00	100	0.00
109.00	94.40	0.00#
188.00	3.30	0.00
0.00	0.00	0.00

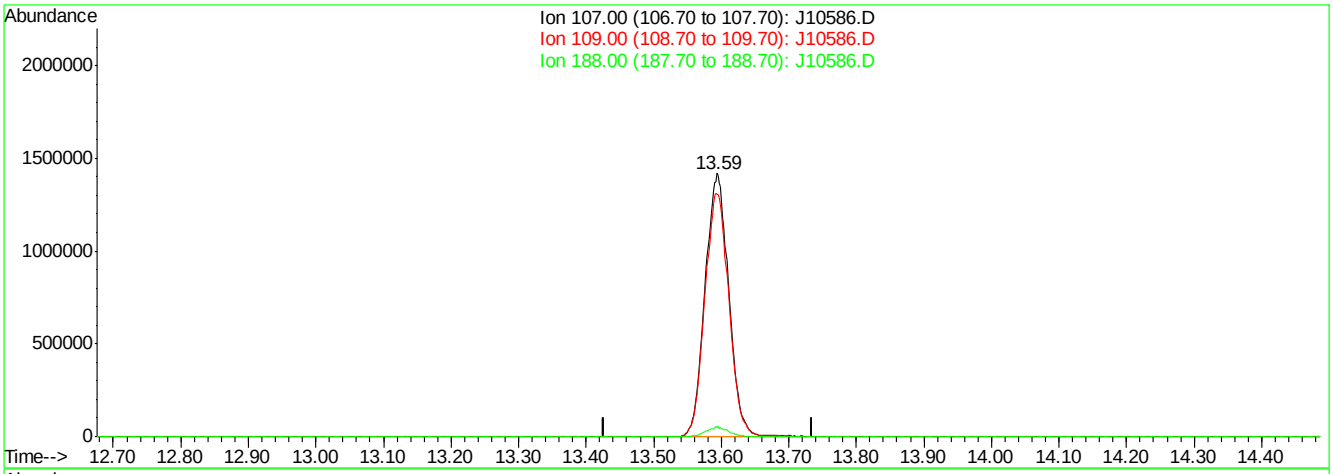
J10586.D J060707T.M Thu Jun 07 16:28:30 2007

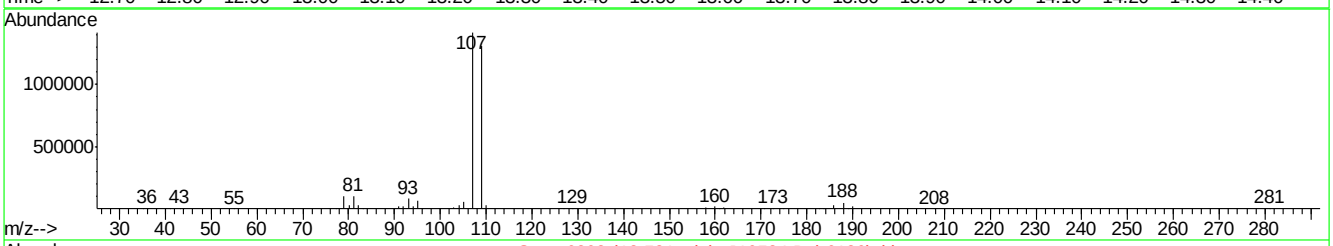
Quantitation Report (Qedit)

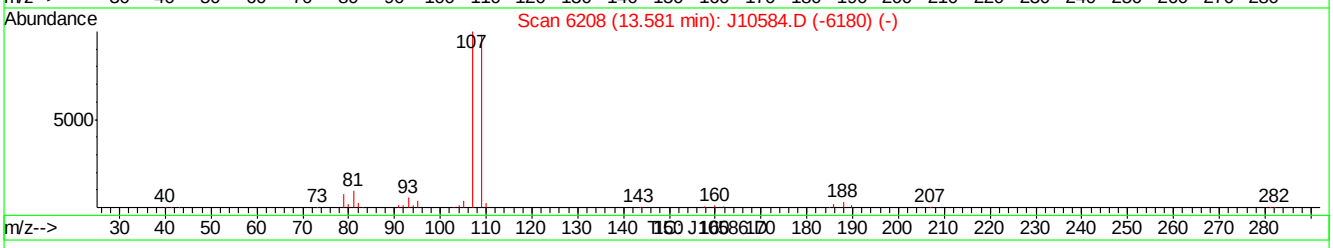
Data File : C:\MSDChem\1\data\J10586.D Vial: 2
Acq On : 7 Jun 2007 3:51 pm Operator: danat
Sample : ic548-40 (m109) Inst : MSJ
Misc : MS13684, MSJ548,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 07 16:27:22 2007 Results File: J060707T.RES

Method : C:\MSDCHEM\1\METHODS\J060707T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jun 07 16:02:32 2007
Response via : Multiple Level Calibration







(53) 1,2-DIBROMOETHANE (m)

13.59min 62.82PPBV m

response 3436834

Ion	Exp%	Act%
107.00	100	100
109.00	94.40	0.00#
188.00	3.30	0.00
0.00	0.00	0.00

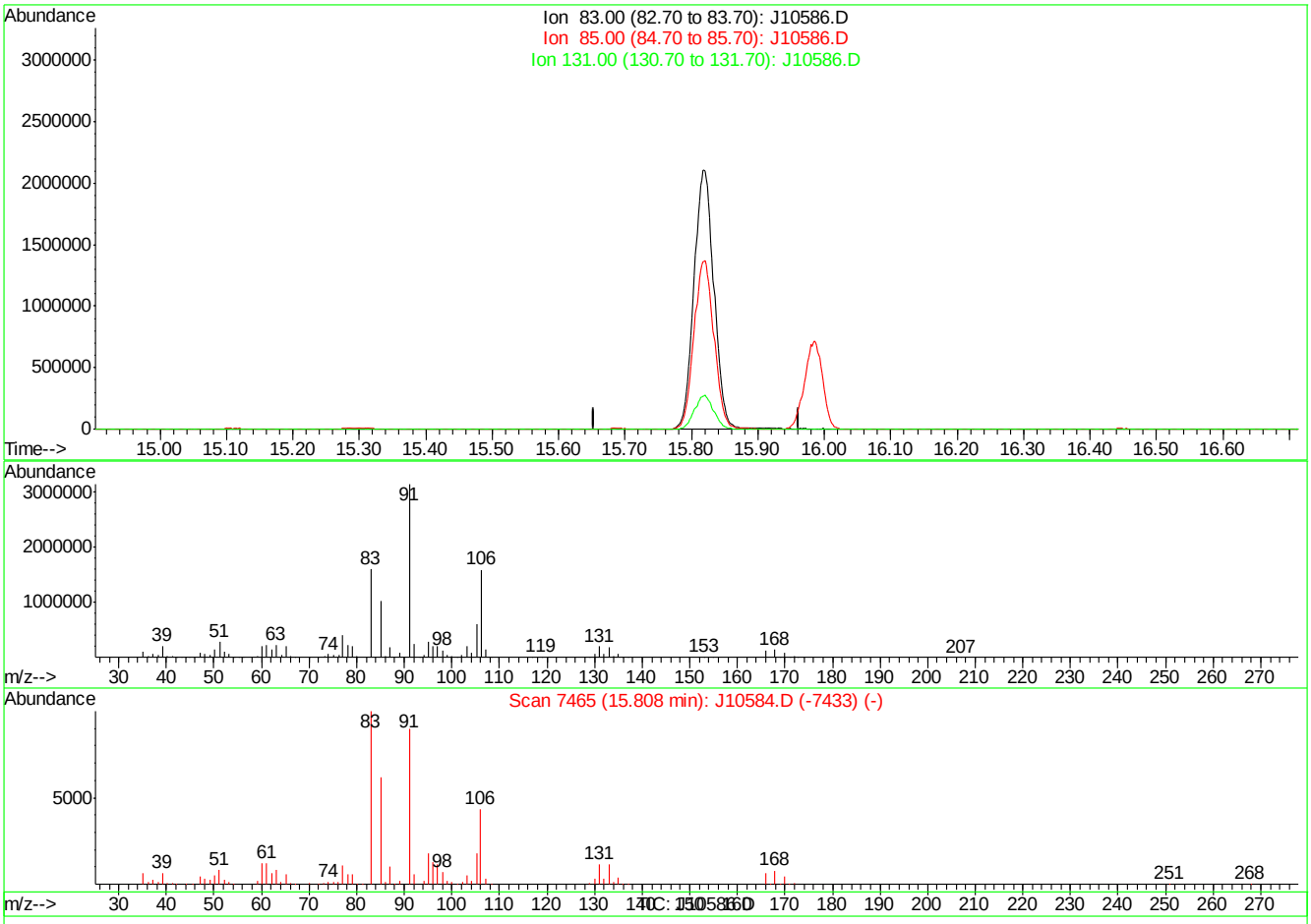
J10586.D J060707T.M Thu Jun 07 16:28:34 2007

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10586.D Vial: 2
Acq On : 7 Jun 2007 3:51 pm Operator: danat
Sample : ic548-40 (m109) Inst : MSJ
Misc : MS13684, MSJ548,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 07 16:27:22 2007 Results File: J060707T.RES

Method : C:\MSDCHEM\1\METHODS\J060707T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jun 07 16:02:32 2007
Response via : Multiple Level Calibration



(62) 1,1,2,2-TETRACHLOROETHANE (m)

15.81min 0.00PPBV

response 0

Ion	Exp%	Act%
83.00	100	0.00
85.00	64.40	0.00#
131.00	11.80	0.00
0.00	0.00	0.00

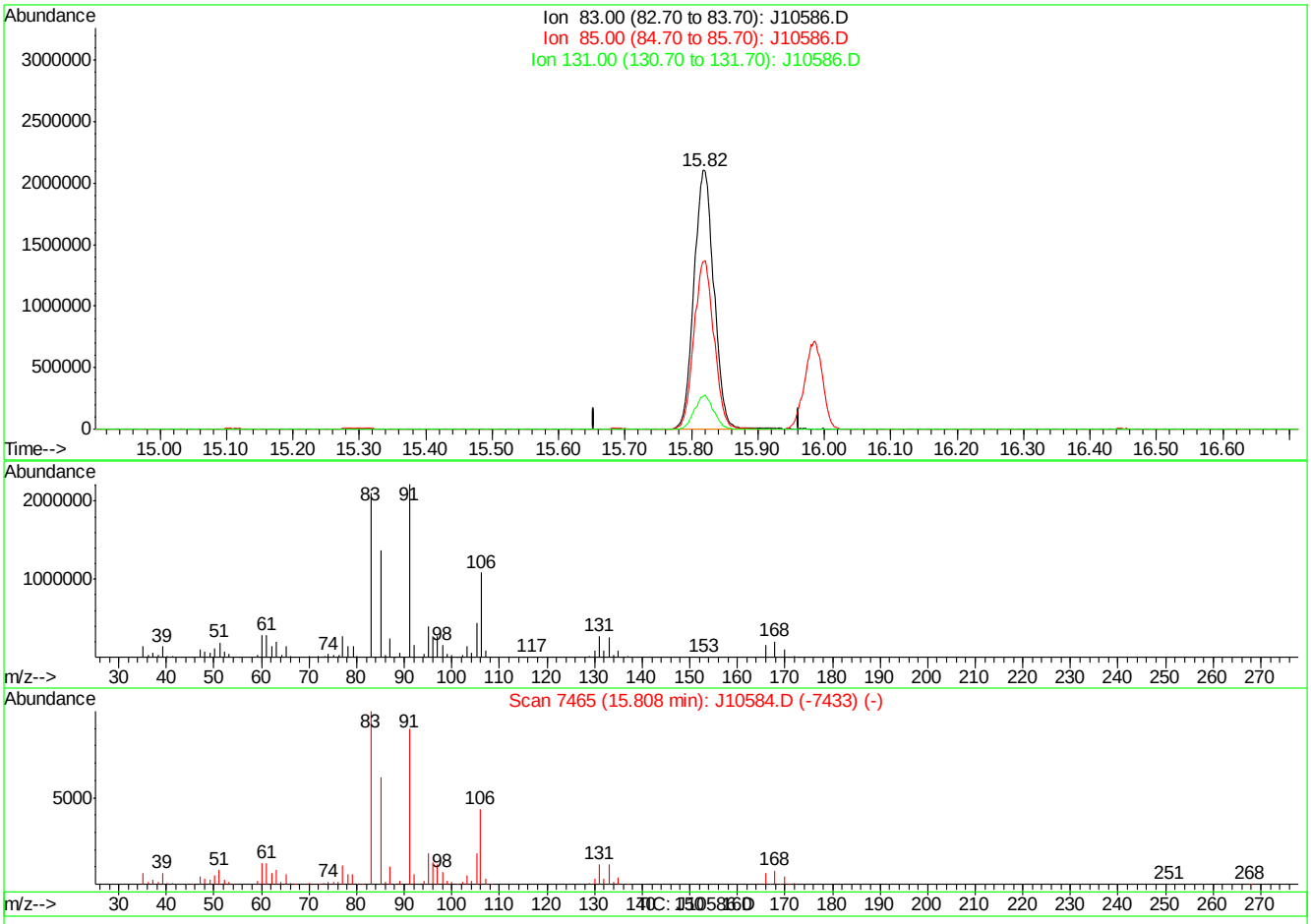
J10586.D J060707T.M Thu Jun 07 16:28:43 2007

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10586.D Vial: 2
Acq On : 7 Jun 2007 3:51 pm Operator: danat
Sample : ic548-40 (m109) Inst : MSJ
Misc : MS13684, MSJ548,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 07 16:27:22 2007 Results File: J060707T.RES

Method : C:\MSDCHEM\1\METHODS\J060707T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jun 07 16:02:32 2007
Response via : Multiple Level Calibration



(62) 1,1,2,2-TETRACHLOROETHANE (m)

15.82min 56.25PPBV m

response 4394440

Ion	Exp%	Act%
83.00	100	100
85.00	64.40	0.00#
131.00	11.80	0.00
0.00	0.00	0.00

J10586.D J060707T.M Thu Jun 07 16:28:48 2007

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10587.D
Acq On : 7 Jun 2007 4:48 pm
Operator : danat
Sample : icv548-10 (m179)
Misc : MS13684, MSJ548,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 08 15:31:01 2007
Quant Method : C:\MSDCHEM\1\METHODS\J060707T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jun 07 16:30:04 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.63	128	350642	10.00	PPBV	0.01
35) 1,4-DIFLUOROBENZENE	10.45	114	1587599	10.00	PPBV	0.01
49) CHLOROBENZENE-D5	14.68	117	1421456	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.30	95	450609	5.22	PPBV	0.00
Spiked Amount 5.000	Range 51 - 142		Recovery = 104.40%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.08	85	1426547	11.64	PPBV	99
3) PROPYLENE	4.01	41	248562	11.66	PPBV	99
4) FREON 114	4.34	85	1259333	11.15	PPBV	97
5) CHLOROMETHANE	4.25	50	333857	11.29	PPBV	95
6) VINYL CHLORIDE	4.46	62	402842	11.60	PPBV	98
7) 1,3-BUTADIENE	4.59	39	257681	10.90	PPBV	95
8) BROMOMETHANE	4.87	94	471517	11.91	PPBV	99
9) CHLOROETHANE	5.04	64	178112	11.18	PPBV	99
10) TRICHLOROFLUOROMETHANE	5.80	101	1379319	10.95	PPBV	100
11) ISOPROPYL ALCOHOL	6.00	45	454536	11.29	PPBV	96
12) ACETONE	5.68	43	394366	8.30	PPBV	98
13) PENTANE	6.15	42	315604	10.68	PPBV	98
14) 1,1-DICHLOROETHYLENE	6.43	96	419509	11.35	PPBV	93
15) CARBON DISULFIDE	6.86	76	1189650	10.69	PPBV	98
16) ETHANOL	5.25	45	76176	10.32	PPBV	94
17) BROMOETHENE	5.39	106	463711	12.45	PPBV	99
18) METHYLENE CHLORIDE	6.56	84	381515	9.44	PPBV	95
19) 3-CHLOROPROPENE	6.67	39	269309	10.78	PPBV	98
20) FREON 113	6.80	151	859659	10.53	PPBV	97
21) TRANS-1,2-DICHLOROETHYLENE	7.46	96	394964	11.11	PPBV	96
22) TERTIARY BUTYL ALCOHOL	6.61	59	624900	9.47	PPBV	91
23) METHYL TERTIARY BUTYL ETHE	7.75	73	812344	10.97	PPBV	98
24) TETRAHYDROFURAN	9.20	42	245395	10.14	PPBV	99
25) HEXANE	8.64	57	418623	9.68	PPBV	96
26) VINYL ACETATE	7.81	43	480449	10.18	PPBV	98
27) 1,1-DICHLOROETHANE	7.67	63	611703	10.33	PPBV	100
28) METHYL ETHYL KETONE	8.09	43	460474	10.86	PPBV	96
29) cis-1,2-DICHLOROETHYLENE	8.47	96	372588	10.74	PPBV	98
30) ETHYL ACETATE	8.71	43	474514	10.35	PPBV	100
31) CHLOROFORM	8.76	83	828580	9.93	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.69	97	929020	10.21	PPBV	99
33) CARBON TETRACHLORIDE	10.26	117	1176378	10.96	PPBV	99
34) 1,2-DICHLOROETHANE	9.46	62	461884	9.95	PPBV	99
36) BENZENE	10.13	78	886567	10.13	PPBV	99
37) CYCLOHEXANE	10.38	84	459986	11.63	PPBV	97
38) TRICHLOROETHYLENE	11.12	95	469670	10.22	PPBV	98
39) 1,2-DICHLOROPROPANE	10.91	63	296199	9.88	PPBV	99
40) BROMODICHLOROMETHANE	11.10	83	756495	9.67	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.13	57	1422990	11.12	PPBV	99
42) 1,4-DIOXANE	11.20	88	186147	9.91	PPBV	90
43) HEPTANE	11.37	43	435119	10.31	PPBV	98

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10587.D
Acq On : 7 Jun 2007 4:48 pm
Operator : danat
Sample : icv548-10 (m179)
Misc : MS13684, MSJ548,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 08 15:31:01 2007
Quant Method : C:\MSDCHEM\1\METHODS\J060707T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jun 07 16:30:04 2007
Response via : Initial Calibration

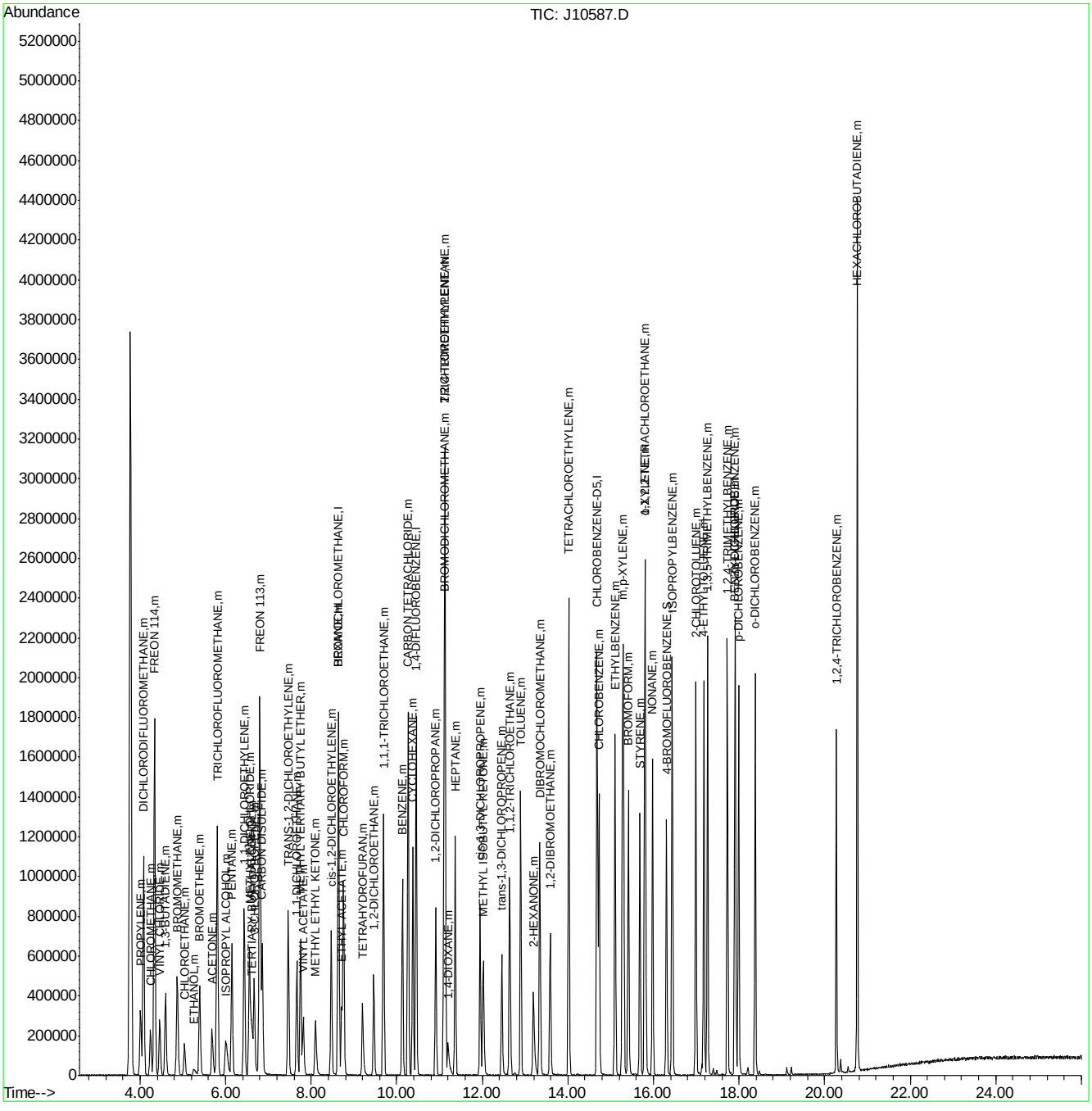
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.02	43	512900	8.29	PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.95	75	483552	8.84	PPBV	97
46) TOLUENE	12.90	92	622578	8.27	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.45	75	382630	8.28	PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.64	83	320127	10.09	PPBV	99
50) 2-HEXANONE	13.20	43	446755	8.77	PPBV	97
51) TETRACHLOROETHYLENE	14.02	164	583651	10.44	PPBV	99
52) DIBROMOCHLOROMETHANE	13.34	129	800412	10.21	PPBV	100
53) 1,2-DIBROMOETHANE	13.59	107	597096	8.57	PPBV	99
54) CHLOROBENZENE	14.73	112	892341	10.47	PPBV	100
55) ETHYLBENZENE	15.10	91	1366588	8.36	PPBV	100
56) m,p-XYLENE	15.29	106	1118411	16.94	PPBV	98
57) o-XYLENE	15.80	106	555234	8.23	PPBV	99
58) STYRENE	15.68	104	738273	9.16	PPBV	99
59) NONANE	15.98	43	568795	8.51	PPBV	99
60) BROMOFORM	15.41	173	807903	8.05	PPBV	100
62) 1,1,2,2-TETRACHLOROETHANE	15.81	83	756785	9.86	PPBV	99
63) ISOPROPYLBENZENE	16.44	105	1634872	8.38	PPBV	99
64) 2-CHLOROTOLUENE	16.99	91	1131519	8.22	PPBV	99
65) 4-ETHYLTOLUENE	17.18	105	1329590	7.49	PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.26	105	1280436	7.82	PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.73	105	1200134	7.77	PPBV	100
68) m-DICHLOROBENZENE	17.91	146	872483	7.75	PPBV	100
69) BENZYL CHLORIDE	17.90	91	727079	9.05	PPBV	100
70) p-DICHLOROBENZENE	17.99	146	834408	7.85	PPBV	100
71) o-DICHLOROBENZENE	18.38	146	845184	8.03	PPBV	99
72) HEXACHLOROBUTADIENE	20.76	225	750052	11.95	PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.27	180	469259	12.03	PPBV	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10587.D
Acq On : 7 Jun 2007 4:48 pm
Operator : danat
Sample : icv548-10 (m179)
Misc : MS13684, MSJ548,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 08 15:31:01 2007
Quant Method : C:\MSDCHEM\1\METHODS\J060707T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jun 07 16:30:04 2007
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Philip Bassignani 06/18/07 10:22

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10631.D
Acq On : 13 Jun 2007 11:00 am
Operator : danat
Sample : cc548-10 (m057)
Misc : MS13724, MSJ551,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 15 14:49:26 2007
Quant Method : C:\MSDCHEM\1\METHODS\J060707T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jun 12 11:28:25 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	358868	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.45	114	1374210	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.67	117	1211518	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.30	95	388269	5.28	PPBV	0.00
Spiked Amount 5.000	Range 51 - 142		Recovery = 105.60%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.07	85	1273526	10.16	PPBV	100
3) PROPYLENE	4.00	41	208381	9.55	PPBV	97
4) FREON 114	4.33	85	1168441	10.11	PPBV	99
5) CHLOROMETHANE	4.23	50	298670	9.87	PPBV	99
6) VINYL CHLORIDE	4.45	62	346148	9.74	PPBV	98
7) 1,3-BUTADIENE	4.59	39	252149	10.42	PPBV	100
8) BROMOMETHANE	4.86	94	415616	10.26	PPBV	98
9) CHLOROETHANE	5.03	64	182534	11.20	PPBV	99
10) TRICHLOROFLUOROMETHANE	5.79	101	1353083	10.50	PPBV	100
11) ISOPROPYL ALCOHOL	5.96	45	403355	9.79	PPBV	96
12) ACETONE	5.66	43	373436	7.68	PPBV	99
13) PENTANE	6.14	42	311477	10.29	PPBV	100
14) 1,1-DICHLOROETHYLENE	6.43	96	387492	10.25	PPBV	98
15) CARBON DISULFIDE	6.85	76	1132841	9.95	PPBV	100
16) ETHANOL	5.22	45	65277	8.64	PPBV	73
17) BROMOETHENE	5.38	106	405854	10.65	PPBV	99
18) METHYLENE CHLORIDE	6.55	84	366647	8.87	PPBV	99
19) 3-CHLOROPROPENE	6.66	39	272964	10.67	PPBV	96
20) FREON 113	6.79	151	860324	10.29	PPBV	99
21) TRANS-1,2-DICHLOROETHYLENE	7.46	96	392680	10.79	PPBV	98
22) TERTIARY BUTYL ALCOHOL	6.56	59	524701	10.21	PPBV	88
23) METHYL TERTIARY BUTYL ETHE	7.74	73	685831	9.05	PPBV	99
24) TETRAHYDROFURAN	9.18	42	223407	9.02	PPBV	99
25) HEXANE	8.63	57	394267	8.93	PPBV	99
26) VINYL ACETATE	7.80	43	421018	8.72	PPBV	97
27) 1,1-DICHLOROETHANE	7.66	63	633647	10.45	PPBV	100
28) METHYL ETHYL KETONE	8.08	43	419440	9.67	PPBV	97
29) cis-1,2-DICHLOROETHYLENE	8.46	96	364431	10.27	PPBV	98
30) ETHYL ACETATE	8.69	43	434264	9.25	PPBV	100
31) CHLOROFORM	8.74	83	867157	10.15	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.68	97	1017487	10.92	PPBV	99
33) CARBON TETRACHLORIDE	10.26	117	1267843	11.54	PPBV	100
34) 1,2-DICHLOROETHANE	9.46	62	467077	9.83	PPBV	100
36) BENZENE	10.12	78	882943	11.65	PPBV	99
37) CYCLOHEXANE	10.37	84	462860	13.52	PPBV	99
38) TRICHLOROETHYLENE	11.12	95	478975	12.04	PPBV	100
39) 1,2-DICHLOROPROPANE	10.90	63	296276	11.42	PPBV	99
40) BROMODICHLOROMETHANE	11.09	83	787969	11.64	PPBV	100
41) 2,2,4-TRIMETHYLPENTANE	11.12	57	1655479	14.95	PPBV	98
42) 1,4-DIOXANE	11.18	88	159631	9.83	PPBV	94
43) HEPTANE	11.36	43	467854	12.81	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10631.D
Acq On : 13 Jun 2007 11:00 am
Operator : danat
Sample : cc548-10 (m057)
Misc : MS13724, MSJ551,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 15 14:49:26 2007
Quant Method : C:\MSDCHEM\1\METHODS\J060707T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jun 12 11:28:25 2007
Response via : Initial Calibration

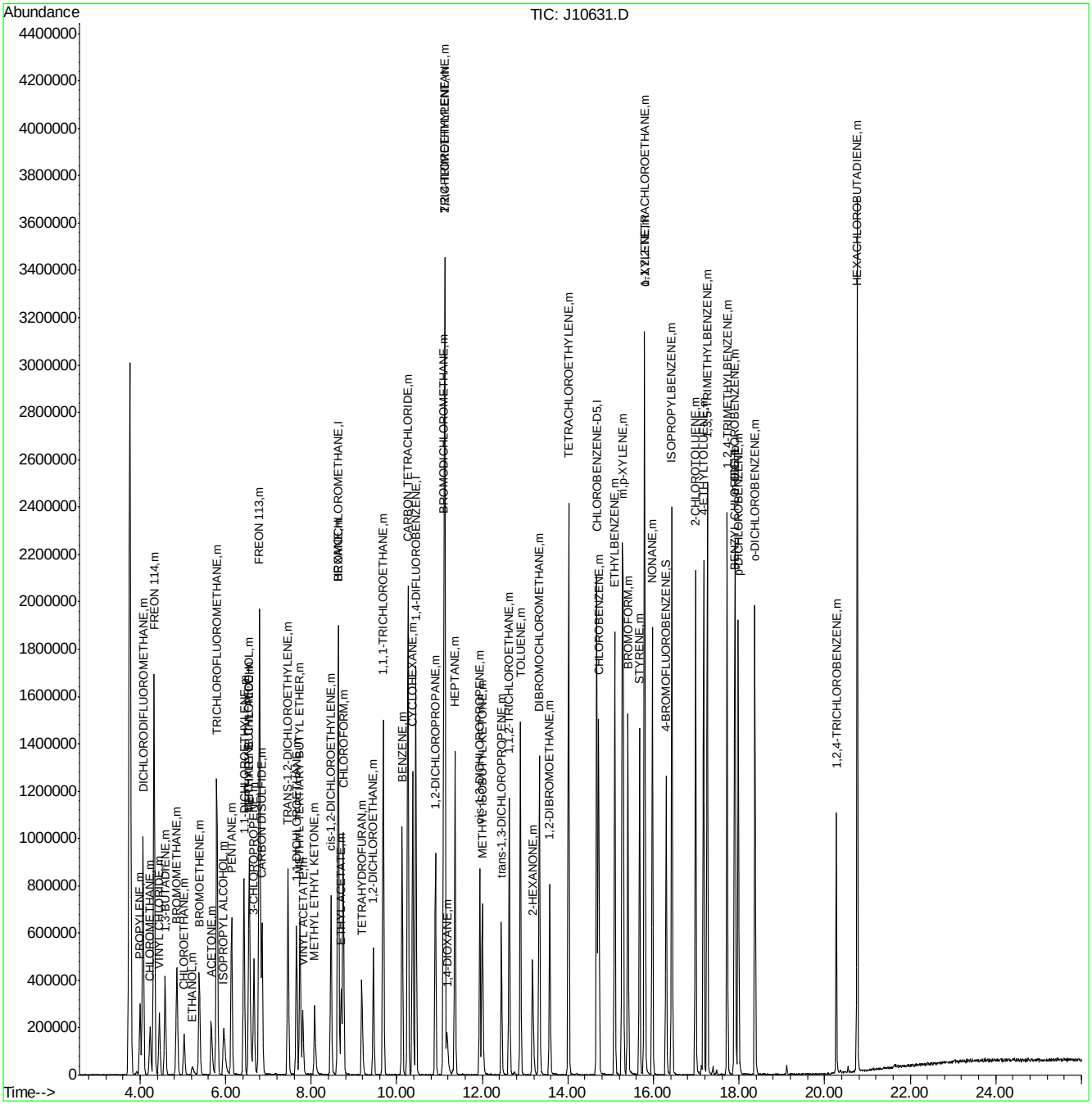
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.00	43	541311	9.90	PPBV	99
45) cis-1,3-DICHLOROPROPENE	11.94	75	436657	9.17	PPBV	100
46) TOLUENE	12.89	92	590764	8.97	PPBV	97
47) trans-1,3-DICHLOROPROPENE	12.45	75	334702	8.36	PPBV	100
48) 1,1,2-TRICHLOROETHANE	12.63	83	313989	11.43	PPBV	100
50) 2-HEXANONE	13.17	43	418121	9.52	PPBV	97
51) TETRACHLOROETHYLENE	14.02	164	548501	11.52	PPBV	99
52) DIBROMOCHLOROMETHANE	13.33	129	783739	11.73	PPBV	99
53) 1,2-DIBROMOETHANE	13.58	107	546275	11.66	PPBV	100
54) CHLOROBENZENE	14.72	112	866947	11.93	PPBV	100
55) ETHYLBENZENE	15.09	91	1315956	9.31	PPBV	99
56) m,p-XYLENE	15.27	106	1097894	19.18	PPBV	98
57) o-XYLENE	15.79	106	560165	9.54	PPBV	99
58) STYRENE	15.67	104	705137	10.09	PPBV	100
59) NONANE	15.97	43	629616	10.87	PPBV	99
60) BROMOFORM	15.40	173	784462m	9.00	PPBV	
62) 1,1,2,2-TETRACHLOROETHANE	15.80	83	794195	12.14	PPBV	99
63) ISOPROPYLBENZENE	16.43	105	1635111	9.64	PPBV	100
64) 2-CHLOROTOLUENE	16.98	91	1126580	9.41	PPBV	100
65) 4-ETHYLTOLUENE	17.17	105	1334133	8.57	PPBV	100
66) 1,3,5-TRIMETHYLBENZENE	17.26	105	1323641	9.21	PPBV	100
67) 1,2,4-TRIMETHYLBENZENE	17.72	105	1193867	8.83	PPBV	99
68) m-DICHLOROBENZENE	17.91	146	855033	8.69	PPBV	100
69) BENZYL CHLORIDE	17.89	91	627108	9.14	PPBV	99
70) p-DICHLOROBENZENE	17.98	146	782155	8.48	PPBV	100
71) o-DICHLOROBENZENE	18.37	146	785171	8.63	PPBV	100
72) HEXACHLOROBUTADIENE	20.76	225	604596	11.30	PPBV	98
73) 1,2,4-TRICHLOROBENZENE	20.27	180	297821	9.35	PPBV	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10631.D
Acq On : 13 Jun 2007 11:00 am
Operator : danat
Sample : cc548-10 (m057)
Misc : MS13724, MSJ551,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 15 14:49:26 2007
Quant Method : C:\MSDCHEM\1\METHODS\J060707T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jun 12 11:28:25 2007
Response via : Initial Calibration

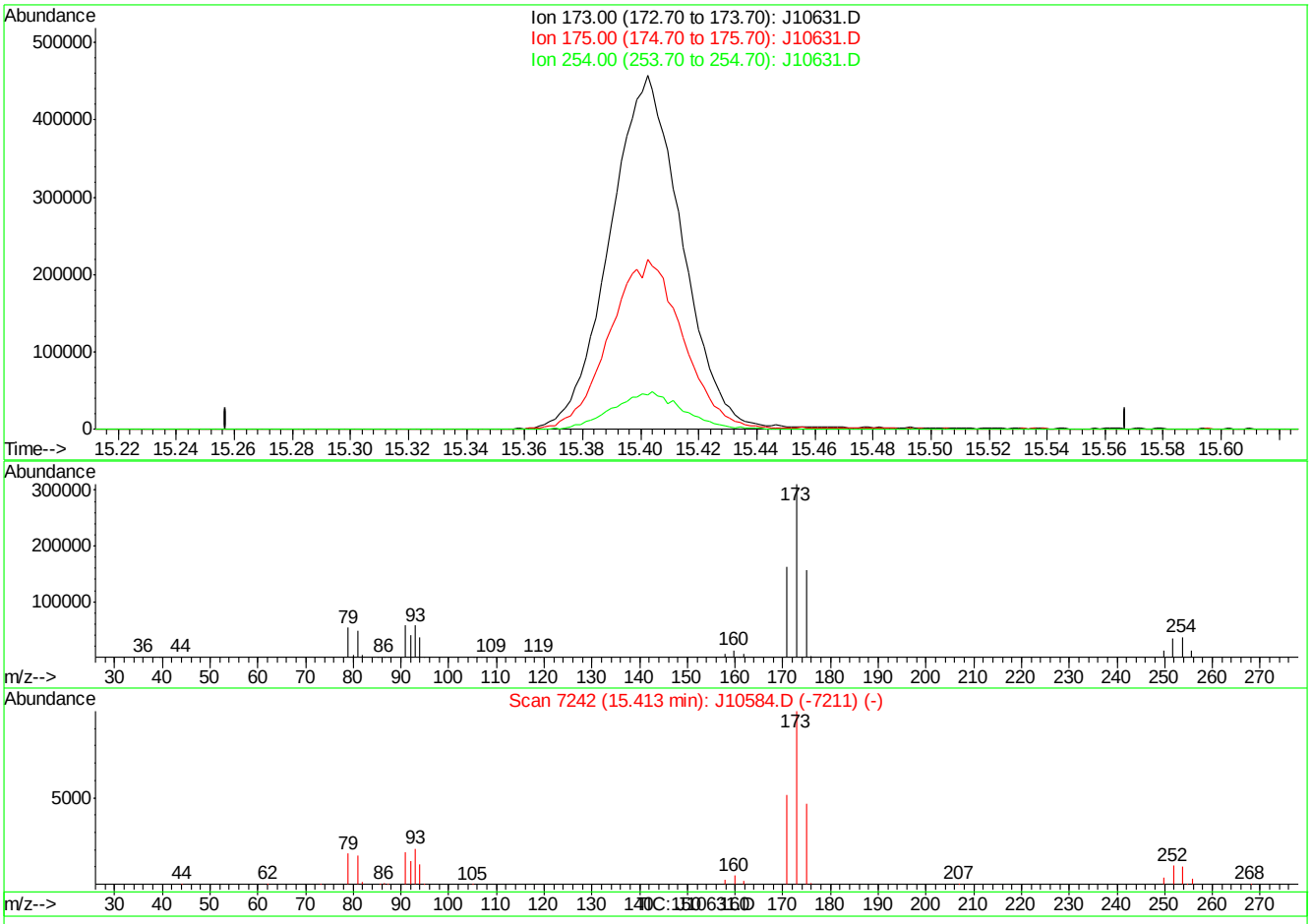


Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10631.D Vial: 1
Acq On : 13 Jun 2007 11:00 am Operator: danat
Sample : cc548-10 (m057) Inst : MSJ
Misc : MS13724, MSJ551,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 13 14:37:40 2007 Results File: J060707T.RES

Method : C:\MSDCHEM\1\METHODS\J060707T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jun 07 16:29:14 2007
Response via : Multiple Level Calibration



(60) BROMOFORM (m)

15.41min 0.00PPBV

response 0

Ion	Exp%	Act%
173.00	100	0.00
175.00	48.90	0.00#
254.00	10.20	0.00
0.00	0.00	0.00

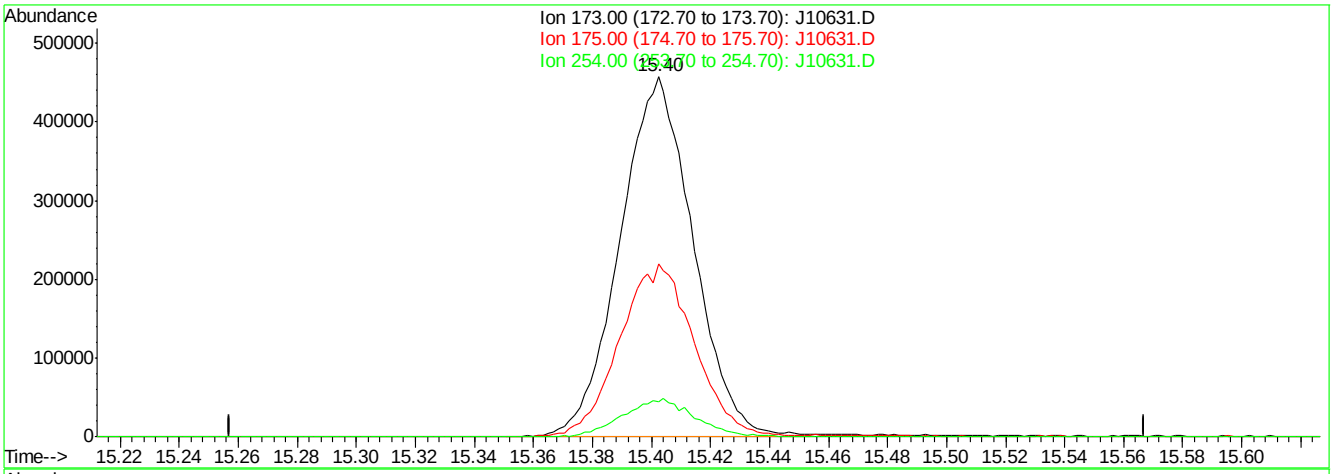
J10631.D J060707T.M Fri Jun 15 14:49:24 2007

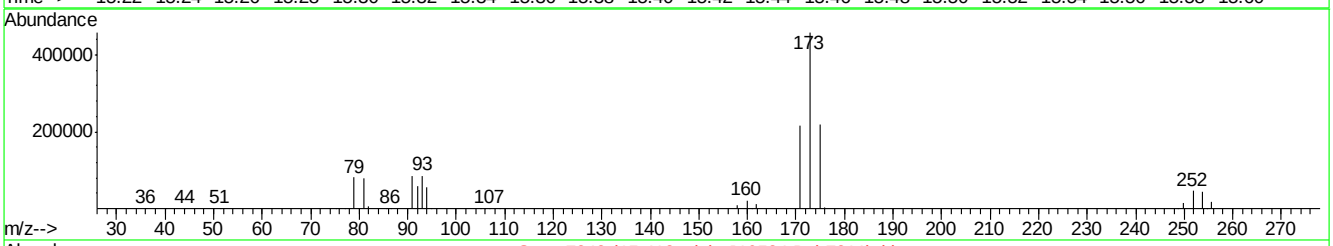
Quantitation Report (Qedit)

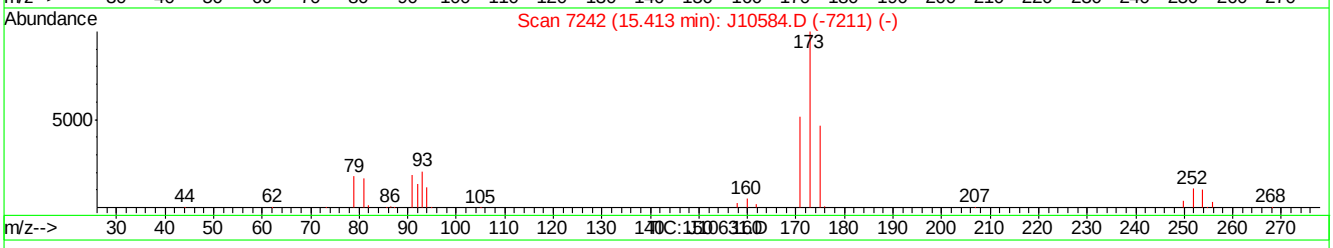
Data File : C:\MSDChem\1\data\J10631.D Vial: 1
Acq On : 13 Jun 2007 11:00 am Operator: danat
Sample : cc548-10 (m057) Inst : MSJ
Misc : MS13724, MSJ551,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 13 14:37:40 2007 Results File: J060707T.RES

Method : C:\MSDCHEM\1\METHODS\J060707T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jun 07 16:29:14 2007
Response via : Multiple Level Calibration







(60) BROMOFORM (m)

15.40min 9.00PPBV m

response 784462

Ion	Exp%	Act%
173.00	100	100
175.00	48.90	0.00#
254.00	10.20	0.00
0.00	0.00	0.00

J10631.D J060707T.M Fri Jun 15 14:49:29 2007

Manual Integrations APPROVED (compounds with "m" flag)
Philip Bassignani 06/27/07 12:10

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10757.D
Acq On : 25 Jun 2007 10:16 am
Operator : danat
Sample : ic557-0.5 (m141)
Misc : MS13762, MSJ557,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 25 10:50:06 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Jun 25 10:46:18 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	419744	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.44	114	1843308	10.00	PPBV	-0.02
49) CHLOROBENZENE-D5	14.67	117	1602957	10.00	PPBV	-0.01

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.28	95	442099	4.44	PPBV	-0.02

Spiked Amount 5.000 Range 51 - 142 Recovery = 88.80%

Target Compounds							Qvalue
2) DICHLORODIFLUOROMETHANE	4.07	85	102309	0.76	PPBV		99
3) PROPYLENE	4.01	41	13720	0.70	PPBV	#	76
4) FREON 114	4.33	85	83601	0.72	PPBV		96
5) CHLOROMETHANE	4.23	50	21406	0.78	PPBV		85
6) VINYL CHLORIDE	4.45	62	23346	0.73	PPBV		98
7) 1,3-BUTADIENE	4.59	39	16118	0.67	PPBV		88
8) BROMOMETHANE	4.86	94	27828	0.70	PPBV		98
9) CHLOROETHANE	5.04	64	11262	0.73	PPBV		95
10) TRICHLOROFLUOROMETHANE	5.79	101	104032	0.72	PPBV		98
11) ISOPROPYL ALCOHOL	6.03	45	29822m	0.63	PPBV		
12) ACETONE	5.68	43	111506	2.09	PPBV		72
13) PENTANE	6.14	42	40215	1.35	PPBV		97
14) 1,1-DICHLOROETHYLENE	6.43	96	25308	0.63	PPBV		98
15) CARBON DISULFIDE	6.85	76	81032	0.71	PPBV		91
16) ETHANOL	5.30	45	7283m	0.89	PPBV		
17) BROMOETHENE	5.40	106	23736	0.59	PPBV	#	96
18) METHYLENE CHLORIDE	6.55	84	75365	1.41	PPBV		93
19) 3-CHLOROPROPENE	6.66	39	20602	0.63	PPBV		92
20) FREON 113	6.80	151	66319	0.70	PPBV		89
21) TRANS-1,2-DICHLOROETHYLENE	7.46	96	23252	0.58	PPBV		89
22) TERTIARY BUTYL ALCOHOL	6.66	59	22222	0.41	PPBV	#	69
23) METHYL TERTIARY BUTYL ETHE	7.76	73	47501	0.55	PPBV		87
24) TETRAHYDROFURAN	9.23	42	11364	0.42	PPBV	#	69
25) HEXANE	8.64	57	37755	0.77	PPBV		92
26) VINYL ACETATE	7.80	43	31274	0.62	PPBV		88
27) 1,1-DICHLOROETHANE	7.65	63	43016	0.64	PPBV		99
28) METHYL ETHYL KETONE	8.11	43	32857	0.62	PPBV		97
29) cis-1,2-DICHLOROETHYLENE	8.46	96	22685	0.57	PPBV		100
30) ETHYL ACETATE	8.72	43	24265	0.43	PPBV	#	88
31) CHLOROFORM	8.74	83	62486	0.64	PPBV		98
32) 1,1,1-TRICHLOROETHANE	9.68	97	70129	0.63	PPBV		98
33) CARBON TETRACHLORIDE	10.26	117	85832	0.63	PPBV		99
34) 1,2-DICHLOROETHANE	9.45	62	34368	0.60	PPBV		96
36) BENZENE	10.12	78	48544	0.49	PPBV		99
37) CYCLOHEXANE	10.37	84	20025	0.42	PPBV		94
38) TRICHLOROETHYLENE	11.11	95	28199	0.55	PPBV		96
39) 1,2-DICHLOROPROPANE	10.90	63	16025	0.50	PPBV		92
40) BROMODICHLOROMETHANE	11.08	83	53524	0.59	PPBV		97
41) 2,2,4-TRIMETHYLPENTANE	11.12	57	73323	0.48	PPBV		92
42) 1,4-DIOXANE	11.25	88	8305m	0.38	PPBV		
43) HEPTANE	11.36	43	20660	0.42	PPBV		93

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10757.D
Acq On : 25 Jun 2007 10:16 am
Operator : danat
Sample : ic557-0.5 (m141)
Misc : MS13762, MSJ557,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 25 10:50:06 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Jun 25 10:46:18 2007
Response via : Initial Calibration

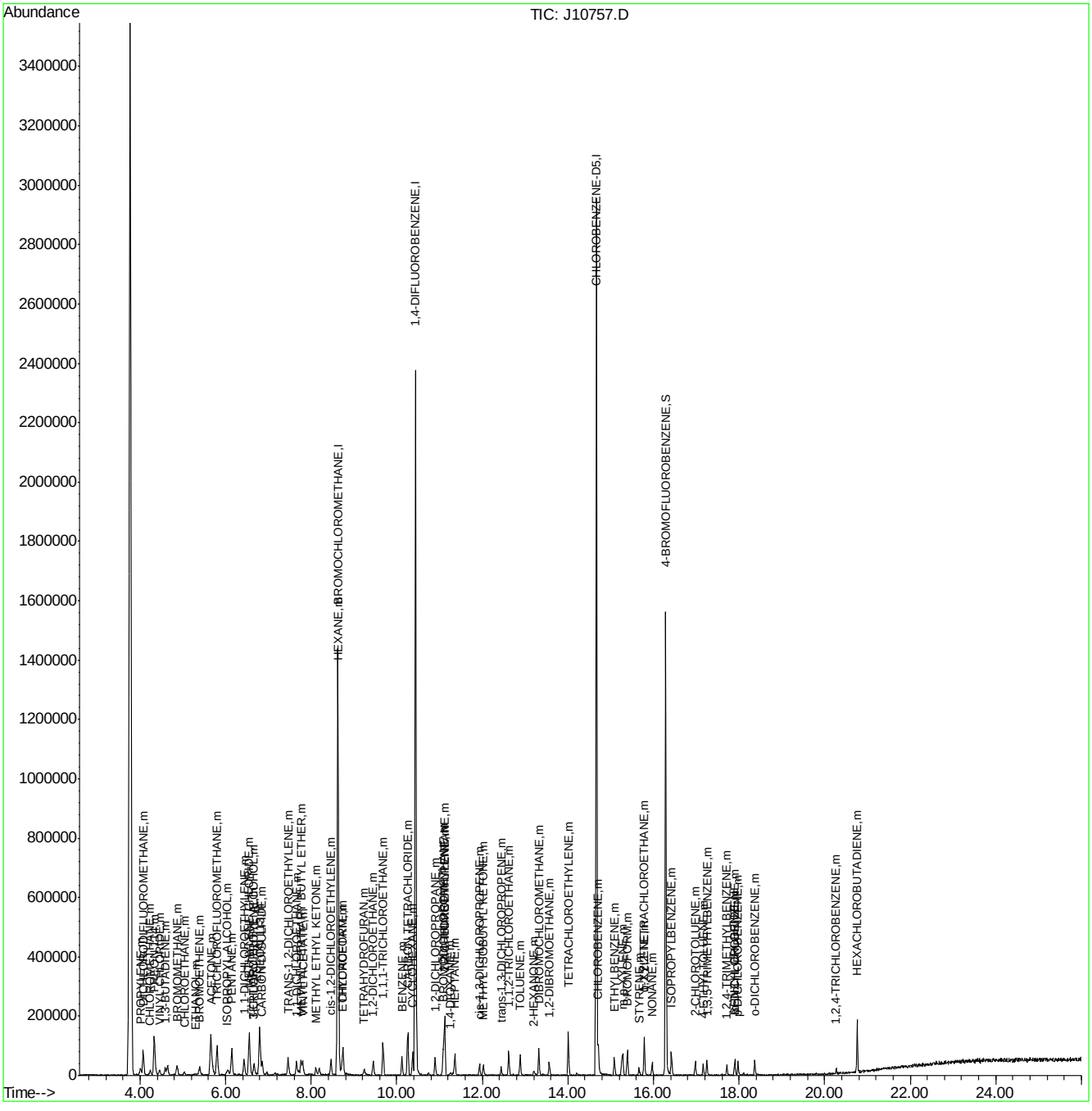
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.02	43	21762	0.37 PPBV #	46
45) cis-1,3-DICHLOROPROPENE	11.93	75	16819	0.34 PPBV	95
46) TOLUENE	12.88	92	27196	0.42 PPBV	98
47) trans-1,3-DICHLOROPROPENE	12.44	75	13551	0.29 PPBV	97
48) 1,1,2-TRICHLOROETHANE	12.61	83	18083	0.54 PPBV	96
50) 2-HEXANONE	13.21	43	13855	0.29 PPBV #	56
51) TETRACHLOROETHYLENE	14.01	164	30571	0.48 PPBV	98
52) DIBROMOCHLOROMETHANE	13.32	129	46822	0.51 PPBV	98
53) 1,2-DIBROMOETHANE	13.57	107	28493	0.46 PPBV	98
54) CHLOROBENZENE	14.71	112	45000	0.47 PPBV	98
55) ETHYLBENZENE	15.09	91	39651	0.31 PPBV	99
56) m,p-XYLENE	15.28	106	32675	0.65 PPBV	93
57) o-XYLENE	15.78	106	13997	0.28 PPBV	98
58) STYRENE	15.67	104	11831	0.19 PPBV	97
59) NONANE	15.97	43	11796	0.24 PPBV	94
60) BROMOFORM	15.39	173	40987	0.46 PPBV	96
62) 1,1,2,2-TETRACHLOROETHANE	15.79	83	36584	0.47 PPBV	99
63) ISOPROPYLBENZENE	16.42	105	42030	0.26 PPBV	97
64) 2-CHLOROTOLUENE	16.97	91	25646	0.26 PPBV	97
65) 4-ETHYLTOLUENE	17.16	105	22196	0.19 PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.25	105	25579	0.21 PPBV	98
67) 1,2,4-TRIMETHYLBENZENE	17.71	105	18107	0.20 PPBV	98
68) m-DICHLOROBENZENE	17.90	146	21337	0.29 PPBV	98
69) BENZYL CHLORIDE	17.89	91	5781	0.11 PPBV	79
70) p-DICHLOROBENZENE	17.97	146	15820	0.25 PPBV	83
71) o-DICHLOROBENZENE	18.37	146	20468	0.31 PPBV	98
72) HEXACHLOROBUTADIENE	20.76	225	28822	0.40 PPBV	98
73) 1,2,4-TRICHLOROBENZENE	20.28	180	5779	0.29 PPBV	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10757.D
Acq On : 25 Jun 2007 10:16 am
Operator : danat
Sample : ic557-0.5 (m141)
Misc : MS13762, MSJ557,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 25 10:50:06 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Jun 25 10:46:18 2007
Response via : Initial Calibration

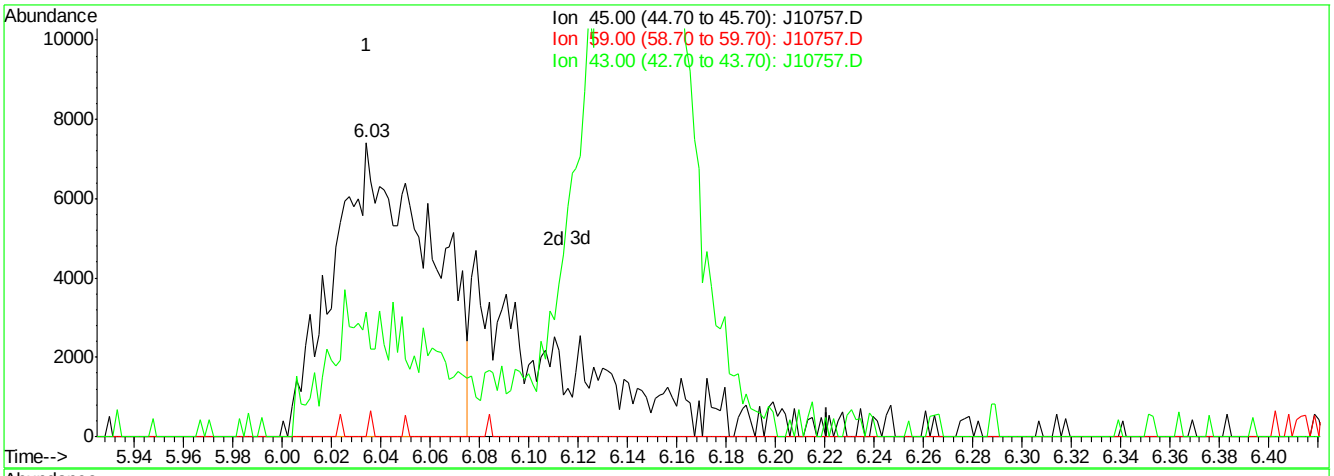


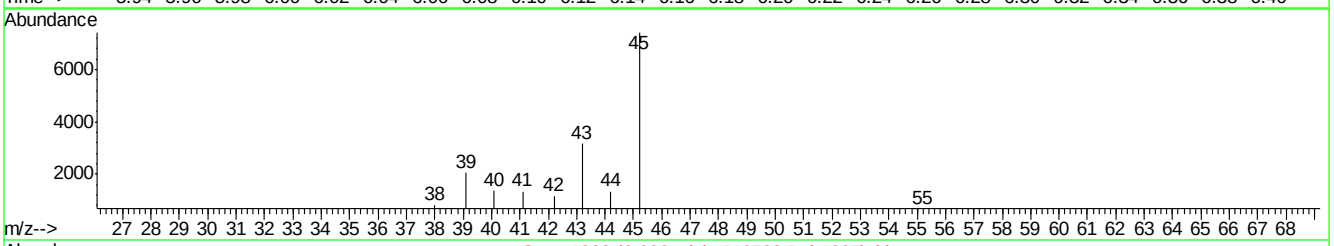
Quantitation Report (Qedit)

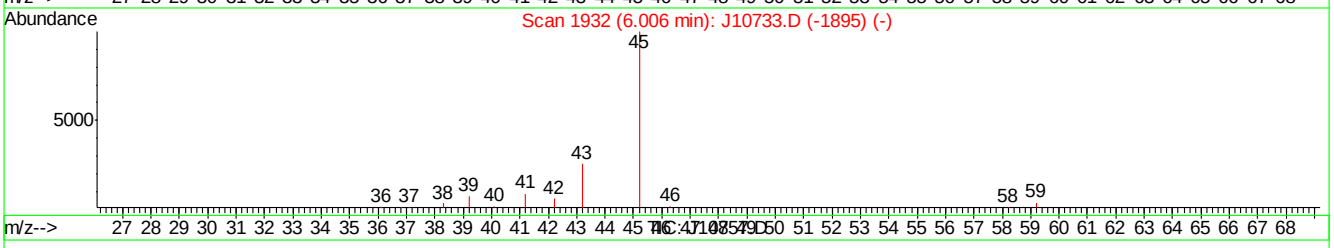
Data File : C:\MSDChem\1\data\J10757.D Vial: 2
Acq On : 25 Jun 2007 10:16 am Operator: danat
Sample : ic557-0.5 (m141) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 25 10:46:29 2007 Results File: J062507T.RES

Method : C:\MSDCHEM\1\METHODS\J062507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Mon Jun 25 10:46:18 2007
Response via : Multiple Level Calibration







(11) ISOPROPYL ALCOHOL (m)

6.03min 0.43PPBV

response 20053

Ion	Exp%	Act%
45.00	100	100
59.00	3.70	0.00
43.00	25.20	42.54
0.00	0.00	0.00

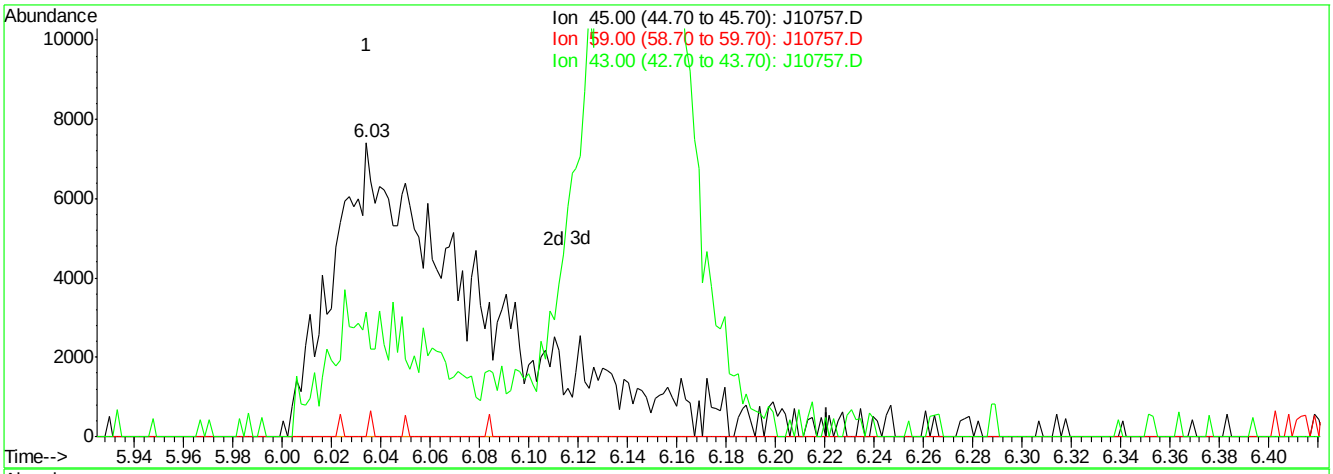
J10757.D J062507T.M Mon Jun 25 10:48:40 2007

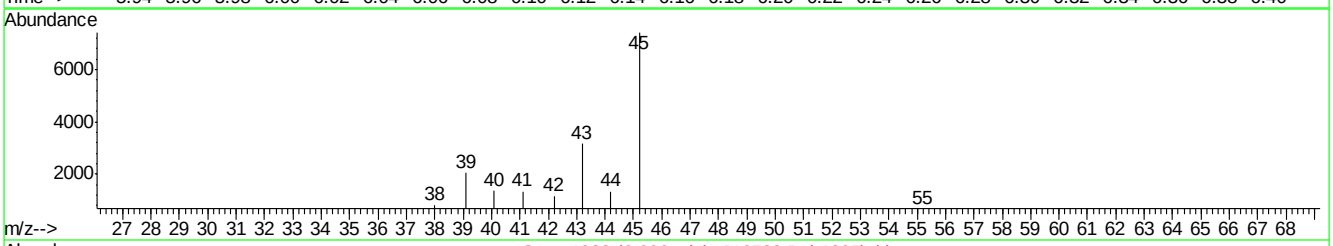
Quantitation Report (Qedit)

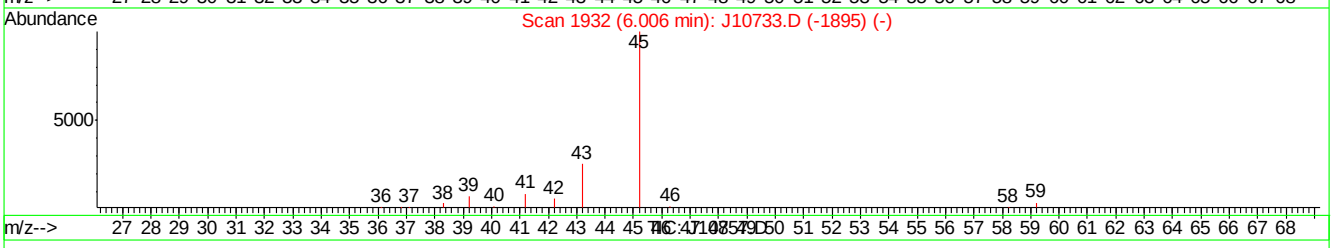
Data File : C:\MSDChem\1\data\J10757.D Vial: 2
Acq On : 25 Jun 2007 10:16 am Operator: danat
Sample : ic557-0.5 (m141) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 25 10:46:29 2007 Results File: J062507T.RES

Method : C:\MSDCHEM\1\METHODS\J062507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Mon Jun 25 10:46:18 2007
Response via : Multiple Level Calibration







(11) ISOPROPYL ALCOHOL (m)

6.03min 0.63PPBV m

response 29822

Ion	Exp%	Act%
45.00	100	100
59.00	3.70	0.00
43.00	25.20	42.54
0.00	0.00	0.00

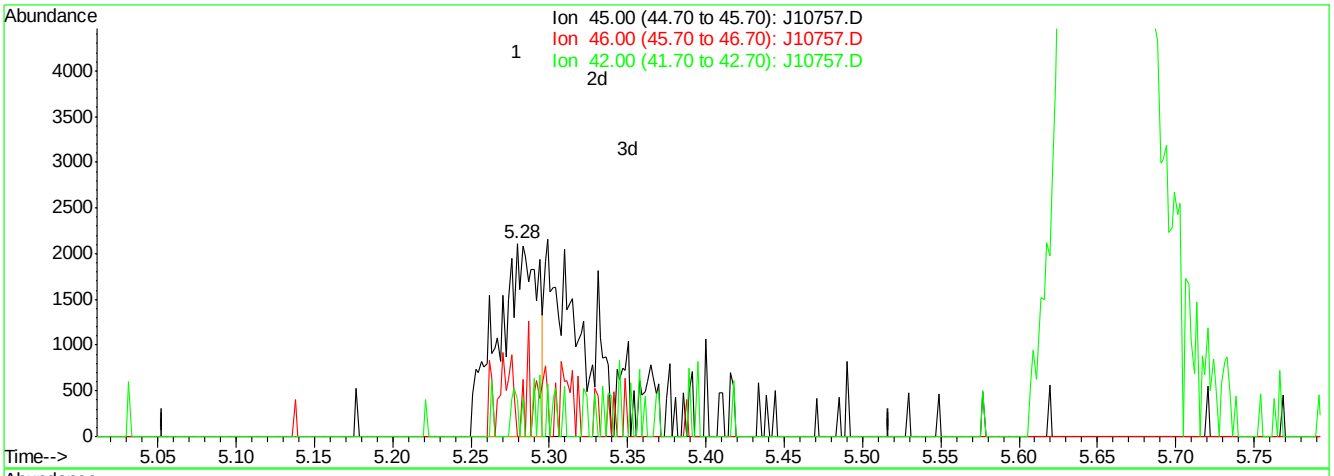
J10757.D J062507T.M Mon Jun 25 10:48:45 2007

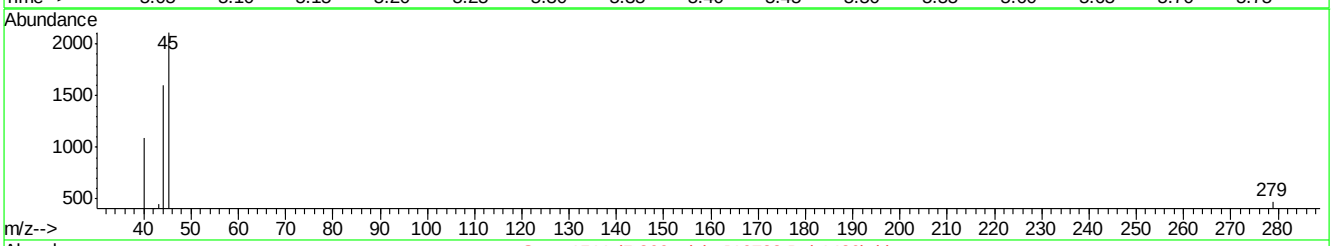
Quantitation Report (Qedit)

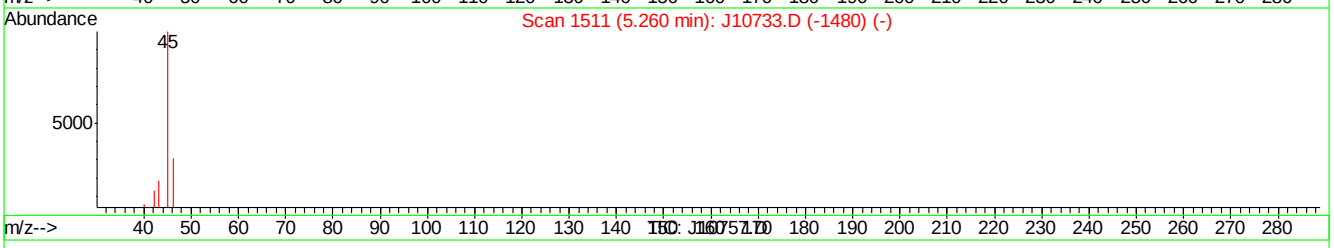
Data File : C:\MSDChem\1\data\J10757.D Vial: 2
Acq On : 25 Jun 2007 10:16 am Operator: danat
Sample : ic557-0.5 (m141) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 25 10:46:29 2007 Results File: J062507T.RES

Method : C:\MSDCHEM\1\METHODS\J062507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Mon Jun 25 10:46:18 2007
Response via : Multiple Level Calibration







(16) ETHANOL (m)

5.28min 0.45PPBV

response 3685

Ion	Exp%	Act%
45.00	100	100
46.00	6.50	18.43
42.00	2.80	5.10
0.00	0.00	0.00

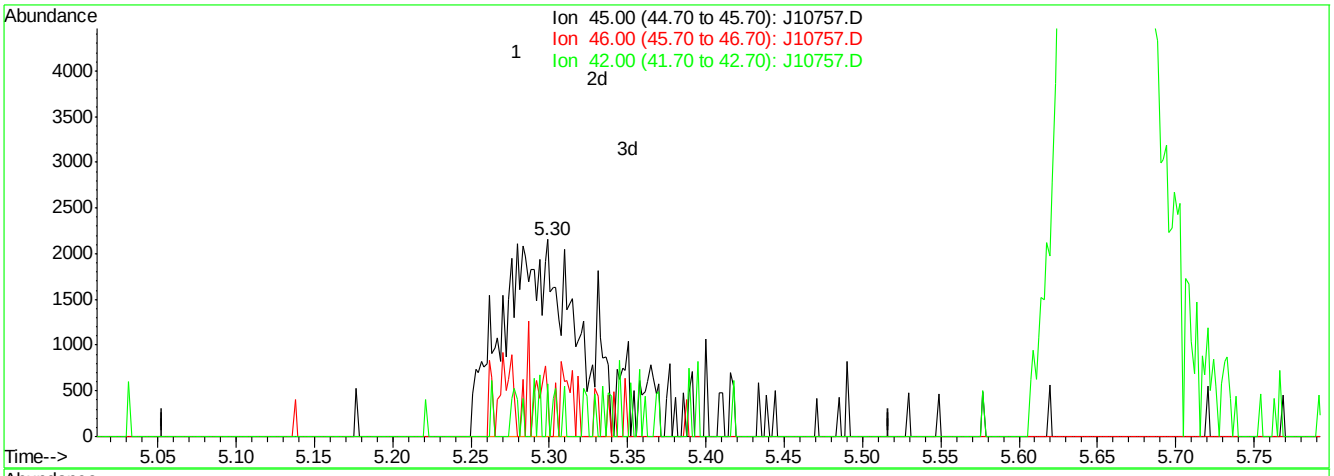
J10757.D J062507T.M Mon Jun 25 10:49:22 2007

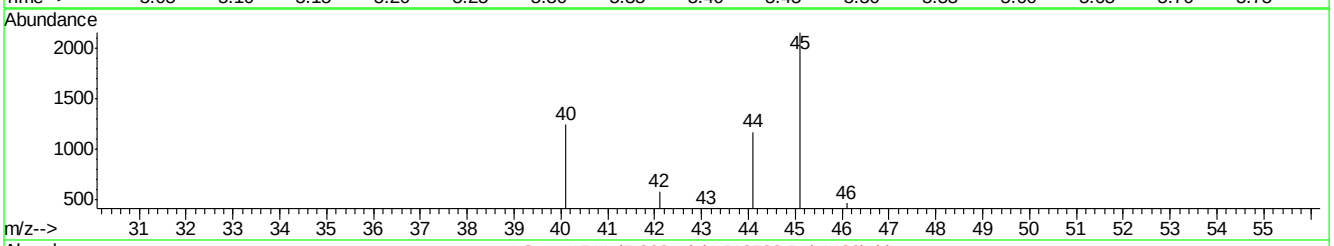
Quantitation Report (Qedit)

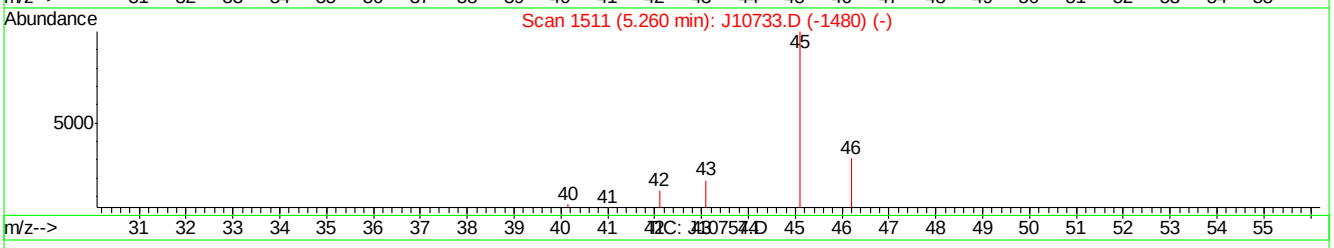
Data File : C:\MSDChem\1\data\J10757.D Vial: 2
Acq On : 25 Jun 2007 10:16 am Operator: danat
Sample : ic557-0.5 (m141) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 25 10:46:29 2007 Results File: J062507T.RES

Method : C:\MSDCHEM\1\METHODS\J062507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Mon Jun 25 10:46:18 2007
Response via : Multiple Level Calibration







(16) ETHANOL (m)

5.30min 0.89PPBV m

response 7283

Ion	Exp%	Act%
45.00	100	100
46.00	6.50	9.32
42.00	2.80	2.58
0.00	0.00	0.00

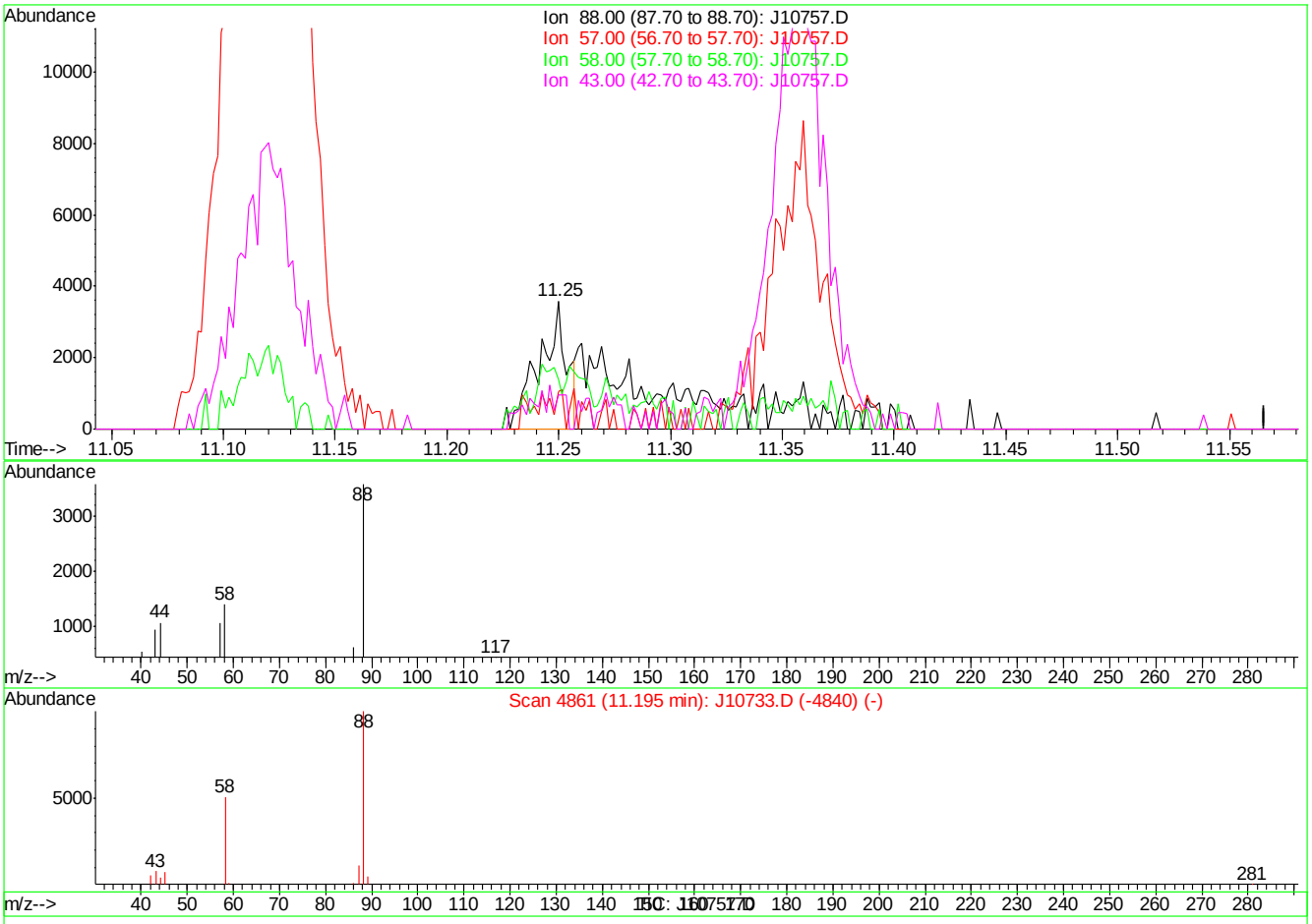
J10757.D J062507T.M Mon Jun 25 10:49:33 2007

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10757.D Vial: 2
Acq On : 25 Jun 2007 10:16 am Operator: danat
Sample : ic557-0.5 (m141) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 25 10:46:29 2007 Results File: J062507T.RES

Method : C:\MSDCHEM\1\METHODS\J062507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Mon Jun 25 10:46:18 2007
Response via : Multiple Level Calibration



(42) 1,4-DIOXANE (m)

11.25min 0.14PPBV

response 3047

Ion	Exp%	Act%
88.00	100	100
57.00	21.70	29.39
58.00	53.20	38.90
43.00	22.40	26.32

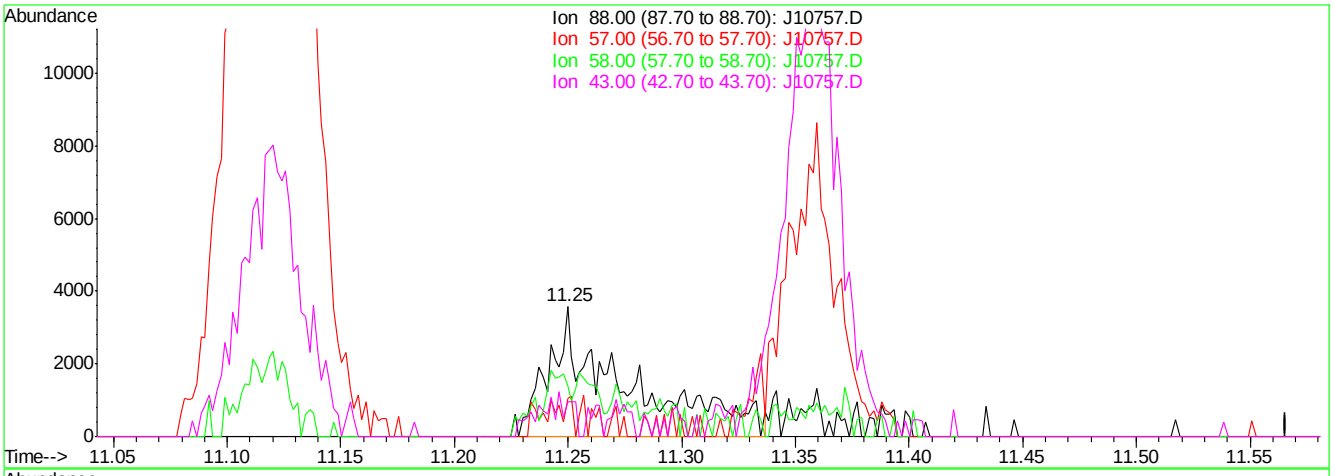
J10757.D J062507T.M Mon Jun 25 10:49:57 2007

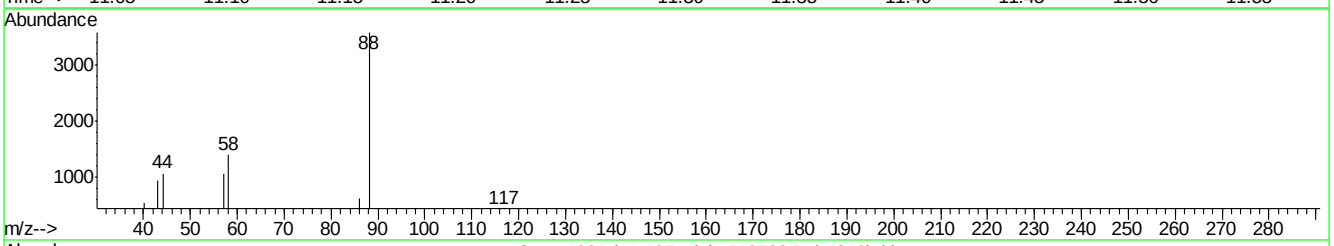
Quantitation Report (Qedit)

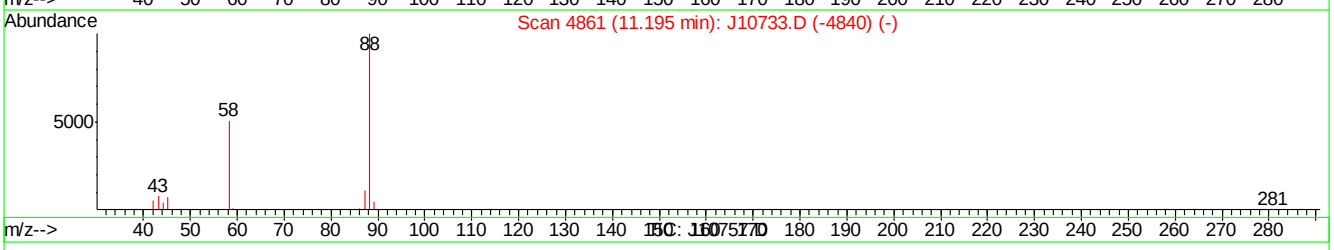
Data File : C:\MSDChem\1\data\J10757.D Vial: 2
Acq On : 25 Jun 2007 10:16 am Operator: danat
Sample : ic557-0.5 (m141) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 25 10:46:29 2007 Results File: J062507T.RES

Method : C:\MSDCHEM\1\METHODS\J062507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Mon Jun 25 10:46:18 2007
Response via : Multiple Level Calibration







(42) 1,4-DIOXANE (m)

11.25min 0.38PPBV m

response 8305

Ion	Exp%	Act%
88.00	100	100
57.00	21.70	29.39
58.00	53.20	38.90
43.00	22.40	26.32

J10757.D J062507T.M Mon Jun 25 10:50:10 2007

Manual Integrations APPROVED (compounds with "m" flag)
Philip Bassignani 06/27/07 12:10

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10758.D
Acq On : 25 Jun 2007 11:05 am
Operator : danat
Sample : ic557-0.2 (m141)
Misc : MS13762, MSJ557,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 25 11:53:11 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Jun 25 10:46:18 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	410191	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.43	114	1809825	10.00	PPBV	-0.02
49) CHLOROBENZENE-D5	14.66	117	1513108	10.00	PPBV	-0.01

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.28	95	380172	4.05	PPBV	-0.02

Spiked Amount 5.000 Range 51 - 142 Recovery = 81.00%

Target Compounds							Qvalue
2) DICHLORODIFLUOROMETHANE	4.07	85	29029	0.22	PPBV		98
3) PROPYLENE	4.00	41	3157	0.16	PPBV	#	74
4) FREON 114	4.33	85	25549	0.23	PPBV		94
5) CHLOROMETHANE	4.24	50	6469	0.24	PPBV		97
6) VINYL CHLORIDE	4.46	62	6708	0.21	PPBV		78
7) 1,3-BUTADIENE	4.59	39	3392m	0.14	PPBV		
8) BROMOMETHANE	4.86	94	6369	0.16	PPBV		80
9) CHLOROETHANE	5.03	64	2370	0.16	PPBV	#	66
10) TRICHLOROFLUOROMETHANE	5.80	101	30665	0.22	PPBV		95
12) ACETONE	5.70	43	19927	0.38	PPBV		65
13) PENTANE	6.15	42	6321m	0.22	PPBV		
14) 1,1-DICHLOROETHYLENE	6.43	96	5731	0.15	PPBV	#	79
15) CARBON DISULFIDE	6.85	76	23212	0.21	PPBV		95
17) BROMOETHENE	5.39	106	6298	0.16	PPBV	#	93
18) METHYLENE CHLORIDE	6.55	84	26751	0.51	PPBV		91
19) 3-CHLOROPROPENE	6.66	39	3855	0.12	PPBV	#	82
20) FREON 113	6.80	151	18939	0.21	PPBV		93
21) TRANS-1,2-DICHLOROETHYLENE	7.46	96	6122	0.16	PPBV		89
23) METHYL TERTIARY BUTYL ETHE	7.79	73	9918	0.12	PPBV		94
25) HEXANE	8.64	57	9490	0.20	PPBV		83
27) 1,1-DICHLOROETHANE	7.66	63	11274	0.17	PPBV		95
28) METHYL ETHYL KETONE	8.14	43	8365m	0.16	PPBV		
29) cis-1,2-DICHLOROETHYLENE	8.46	96	5752	0.15	PPBV		92
31) CHLOROFORM	8.74	83	17762	0.19	PPBV		96
32) 1,1,1-TRICHLOROETHANE	9.68	97	18709	0.17	PPBV		96
33) CARBON TETRACHLORIDE	10.26	117	23996	0.18	PPBV		98
34) 1,2-DICHLOROETHANE	9.44	62	8641	0.15	PPBV		97
36) BENZENE	10.12	78	11068	0.11	PPBV		96
38) TRICHLOROETHYLENE	11.11	95	7095	0.14	PPBV		92
39) 1,2-DICHLOROPROPANE	10.89	63	4538	0.14	PPBV		92
40) BROMODICHLOROMETHANE	11.09	83	14504	0.16	PPBV		100
48) 1,1,2-TRICHLOROETHANE	12.62	83	5154	0.16	PPBV		94
51) TETRACHLOROETHYLENE	14.00	164	7339	0.12	PPBV		97
52) DIBROMOCHLOROMETHANE	13.32	129	12348	0.14	PPBV		96
53) 1,2-DIBROMOETHANE	13.56	107	6887	0.12	PPBV	#	94
54) CHLOROBENZENE	14.71	112	11911	0.13	PPBV		98
56) m,p-XYLENE	15.28	106	5280m	0.11	PPBV		
60) BROMOFORM	15.39	173	10150	0.12	PPBV		93
62) 1,1,2,2-TETRACHLOROETHANE	15.79	83	8023	0.11	PPBV		86
72) HEXACHLOROBUTADIENE	20.76	225	6658	0.10	PPBV		98

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10758.D
Acq On : 25 Jun 2007 11:05 am
Operator : danat
Sample : ic557-0.2 (m141)
Misc : MS13762, MSJ557,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 25 11:53:11 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Jun 25 10:46:18 2007
Response via : Initial Calibration

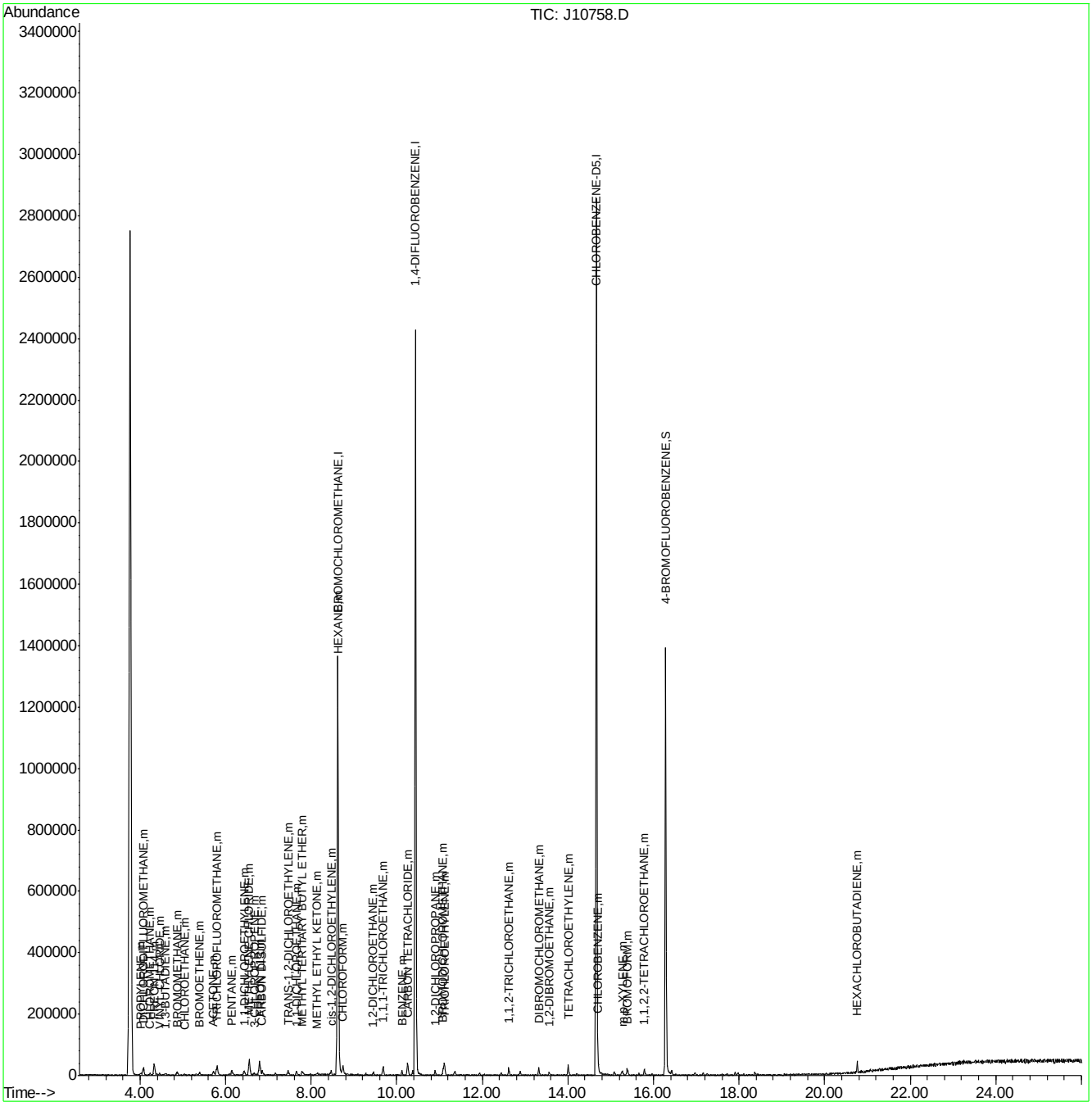
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10758.D
Acq On : 25 Jun 2007 11:05 am
Operator : danat
Sample : ic557-0.2 (m141)
Misc : MS13762, MSJ557,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 25 11:53:11 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Jun 25 10:46:18 2007
Response via : Initial Calibration



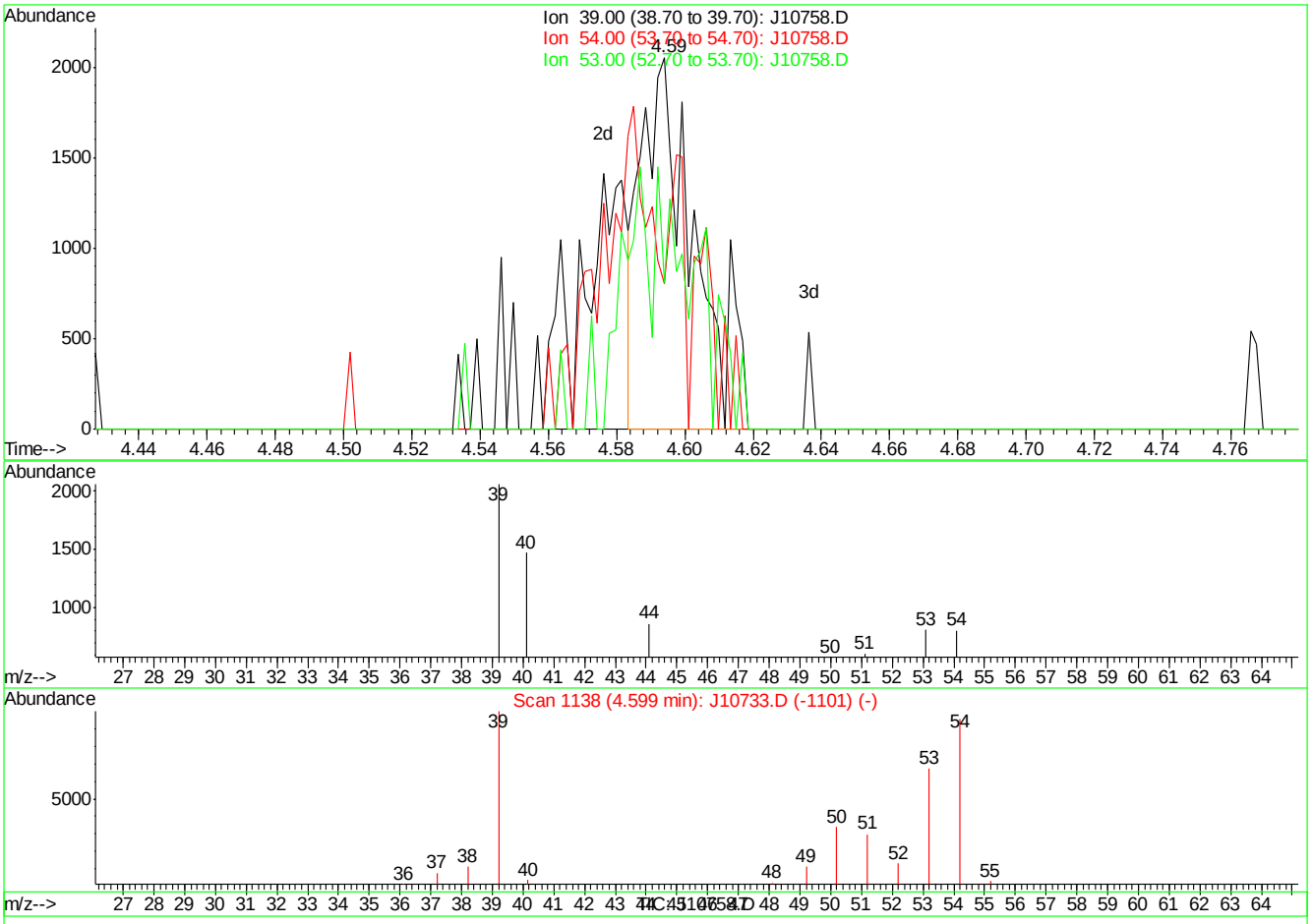
ACCUTEST Laboratories M65503

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10758.D Vial: 2
Acq On : 25 Jun 2007 11:05 am Operator: danat
Sample : ic557-0.2 (m141) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 25 11:48:28 2007 Results File: J062507T.RES

Method : C:\MSDCHEM\1\METHODS\J062507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Mon Jun 25 10:46:18 2007
Response via : Multiple Level Calibration



(7) 1,3-BUTADIENE (m)

4.59min 0.10PPBV

response 2273

Ion	Exp%	Act%
39.00	100	100
54.00	93.50	101.54
53.00	66.30	88.65#
0.00	0.00	0.00

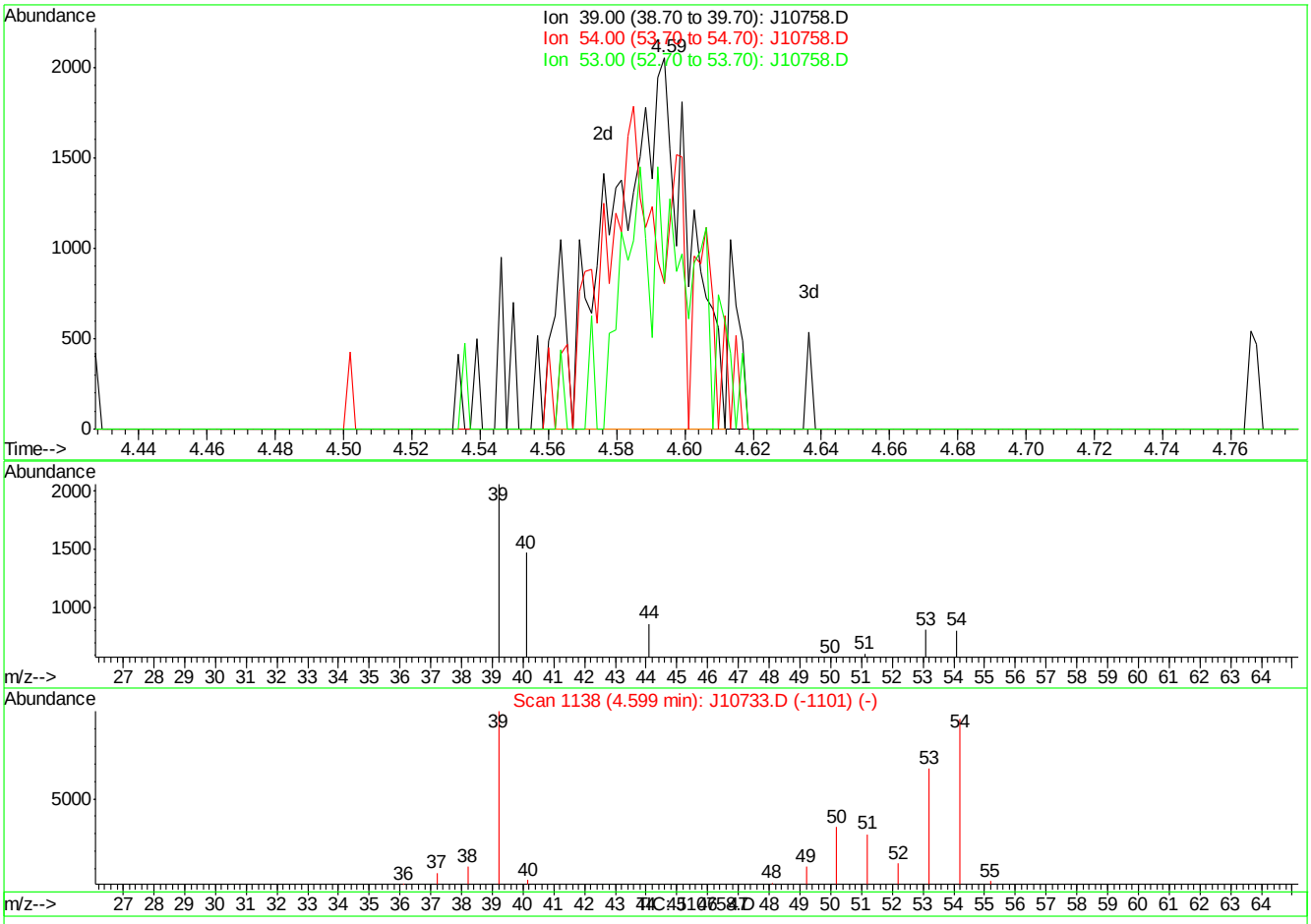
J10758.D J062507T.M Mon Jun 25 11:49:01 2007

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10758.D Vial: 2
Acq On : 25 Jun 2007 11:05 am Operator: danat
Sample : ic557-0.2 (m141) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 25 11:48:28 2007 Results File: J062507T.RES

Method : C:\MSDCHEM\1\METHODS\J062507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Mon Jun 25 10:46:18 2007
Response via : Multiple Level Calibration



(7) 1,3-BUTADIENE (m)

4.59min 0.14PPBV m

response 3392

Ion	Exp%	Act%
39.00	100	100
54.00	93.50	68.04#
53.00	66.30	59.40
0.00	0.00	0.00

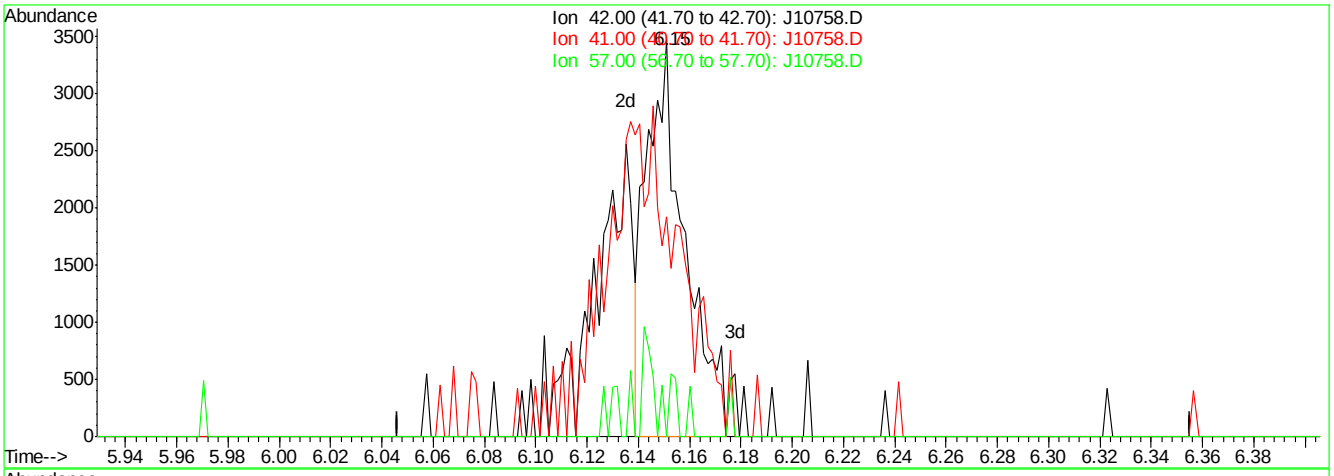
J10758.D J062507T.M Mon Jun 25 11:49:09 2007

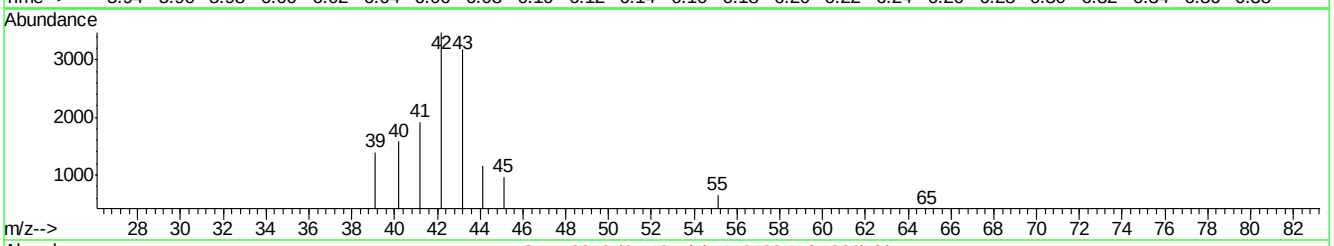
Quantitation Report (Qedit)

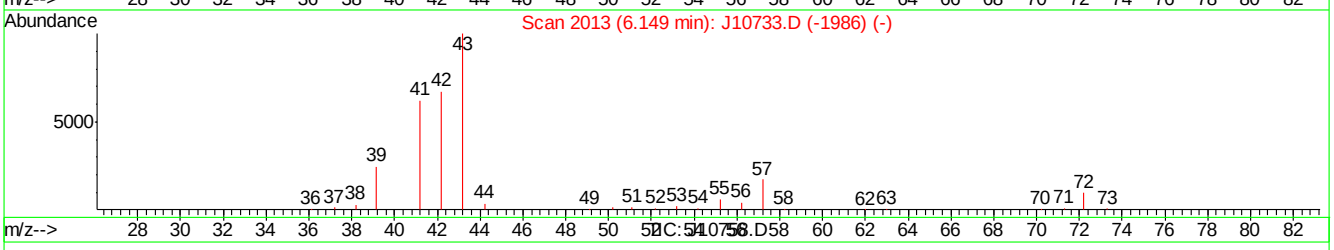
Data File : C:\MSDChem\1\data\J10758.D Vial: 2
Acq On : 25 Jun 2007 11:05 am Operator: danat
Sample : ic557-0.2 (m141) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 25 11:48:28 2007 Results File: J062507T.RES

Method : C:\MSDCHEM\1\METHODS\J062507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Mon Jun 25 10:46:18 2007
Response via : Multiple Level Calibration







(13) PENTANE (m)

6.15min 0.12PPBV

response 3605

Ion	Exp%	Act%
42.00	100	100
41.00	98.50	159.72#
57.00	25.90	12.40
0.00	0.00	0.00

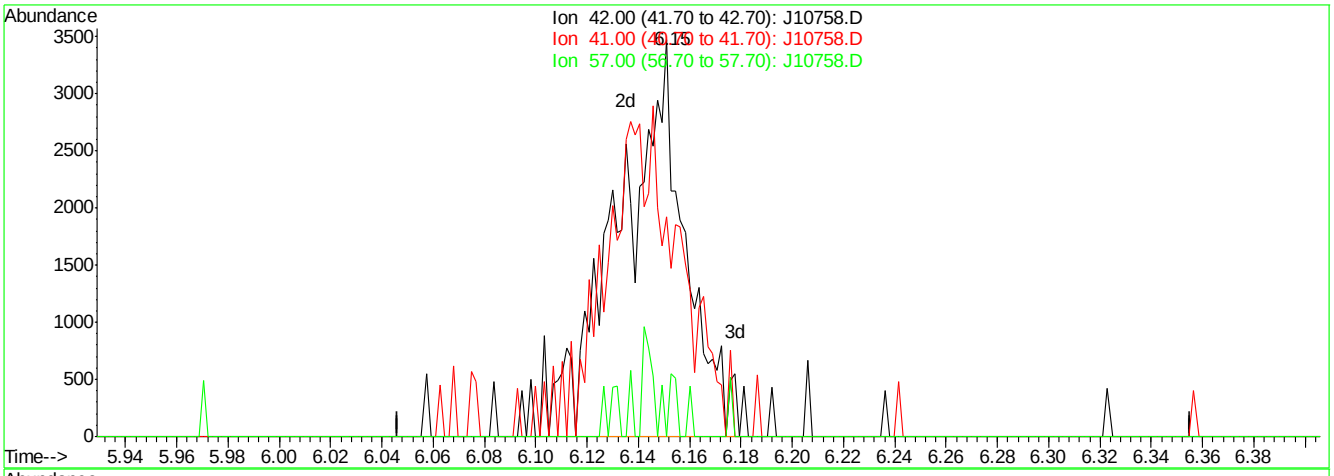
J10758.D J062507T.M Mon Jun 25 11:49:31 2007

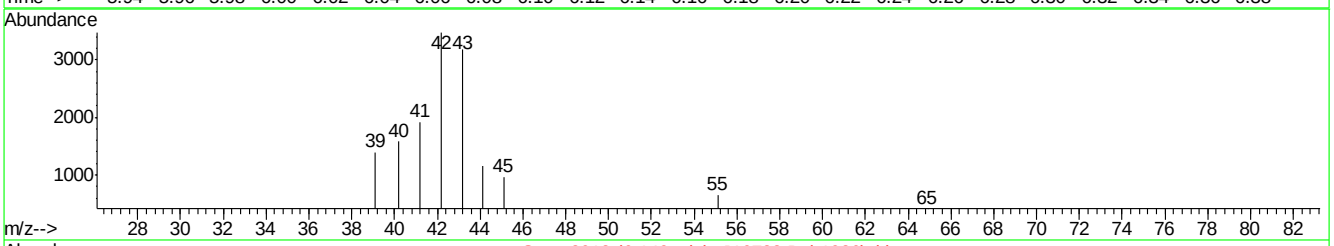
Quantitation Report (Qedit)

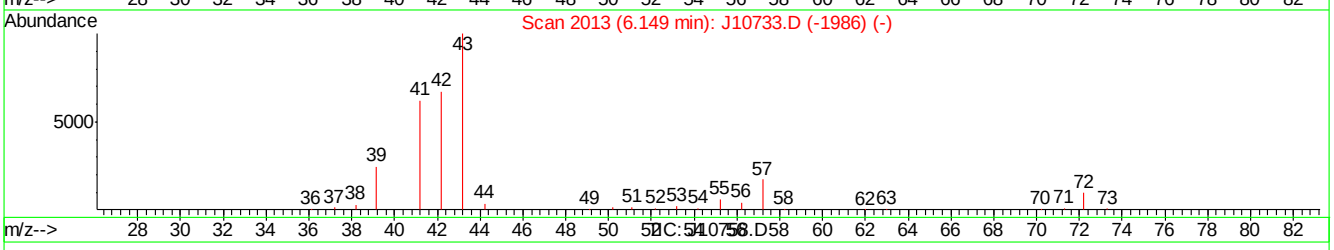
Data File : C:\MSDChem\1\data\J10758.D Vial: 2
Acq On : 25 Jun 2007 11:05 am Operator: danat
Sample : ic557-0.2 (m141) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 25 11:48:28 2007 Results File: J062507T.RES

Method : C:\MSDCHEM\1\METHODS\J062507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Mon Jun 25 10:46:18 2007
Response via : Multiple Level Calibration







(13) PENTANE (m)

6.15min 0.22PPBV m

response 6321

Ion	Exp%	Act%
42.00	100	100
41.00	98.50	91.09
57.00	25.90	7.07
0.00	0.00	0.00

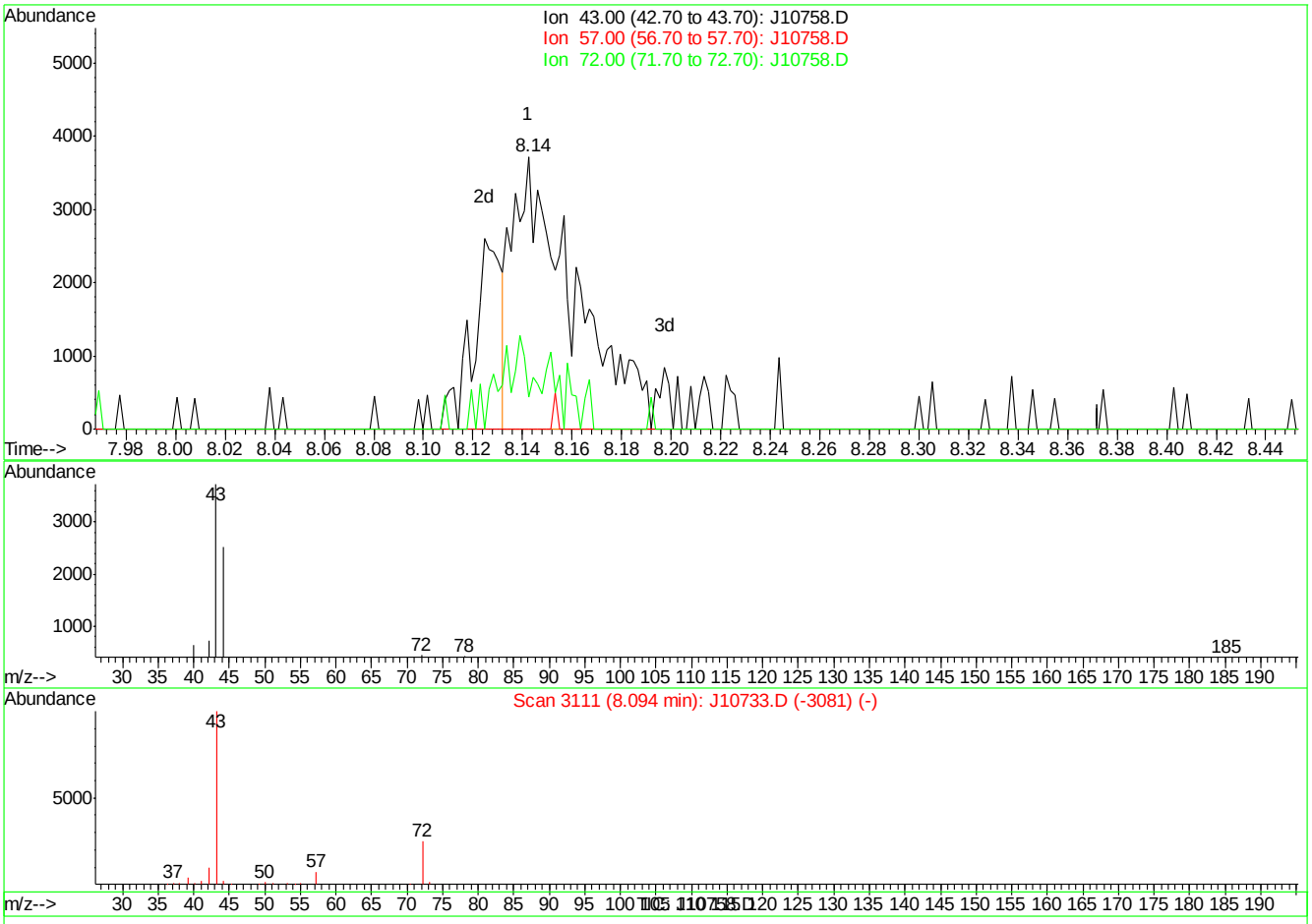
J10758.D J062507T.M Mon Jun 25 11:49:39 2007

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10758.D Vial: 2
Acq On : 25 Jun 2007 11:05 am Operator: danat
Sample : ic557-0.2 (m141) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 25 11:48:28 2007 Results File: J062507T.RES

Method : C:\MSDCHEM\1\METHODS\J062507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Mon Jun 25 10:46:18 2007
Response via : Multiple Level Calibration



(28) METHYL ETHYL KETONE (m)

8.14min 0.12PPBV

response 6487

Ion	Exp%	Act%
43.00	100	100
57.00	7.50	0.00
72.00	24.80	11.87
0.00	0.00	0.00

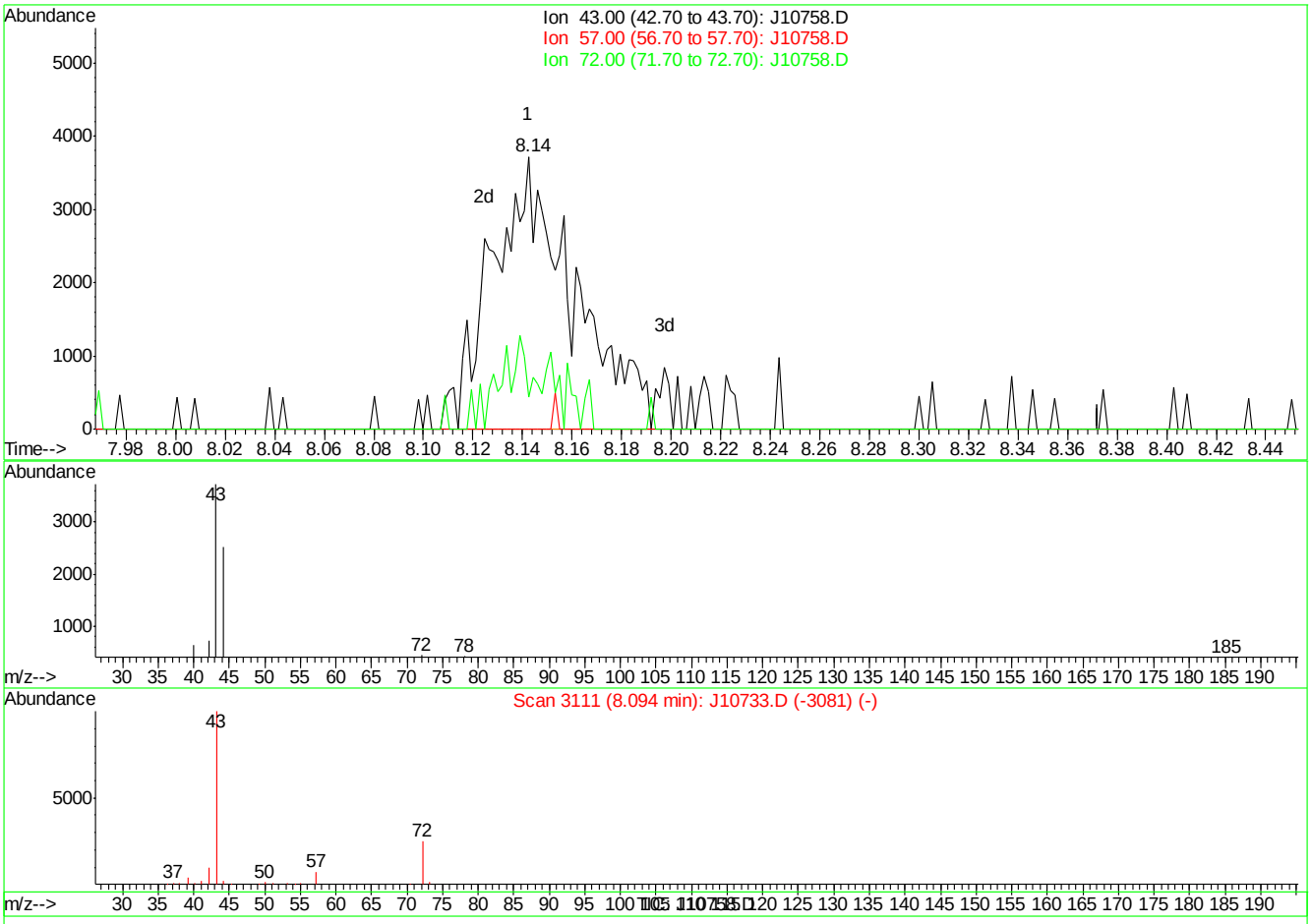
J10758.D J062507T.M Mon Jun 25 11:50:19 2007

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10758.D Vial: 2
Acq On : 25 Jun 2007 11:05 am Operator: danat
Sample : ic557-0.2 (m141) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 25 11:48:28 2007 Results File: J062507T.RES

Method : C:\MSDCHEM\1\METHODS\J062507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Mon Jun 25 10:46:18 2007
Response via : Multiple Level Calibration



(28) METHYL ETHYL KETONE (m)

8.14min 0.16PPBV m

response 8365

Ion	Exp%	Act%
43.00	100	100
57.00	7.50	0.00
72.00	24.80	11.87
0.00	0.00	0.00

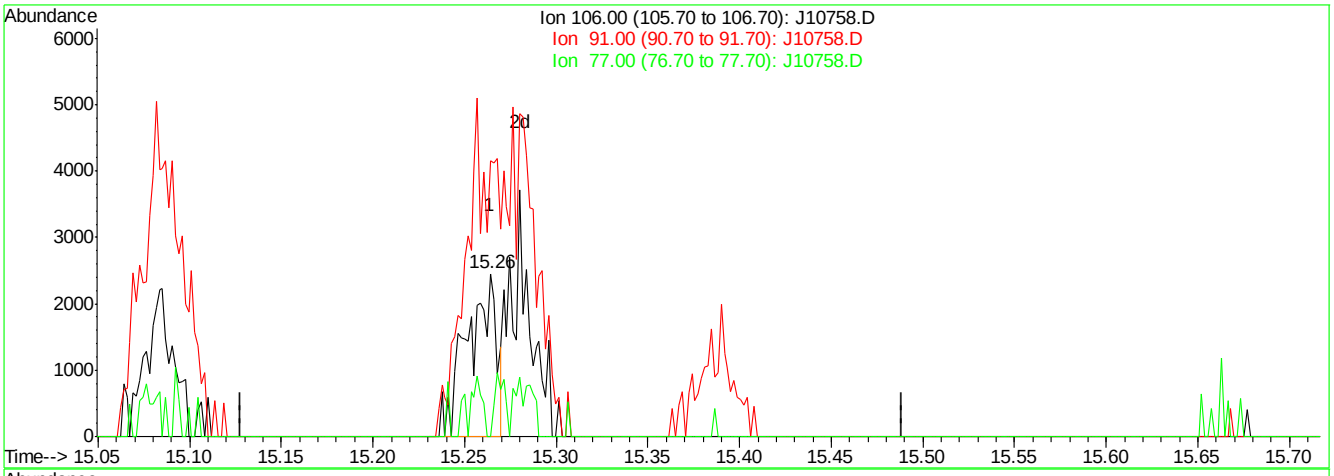
J10758.D J062507T.M Mon Jun 25 11:50:25 2007

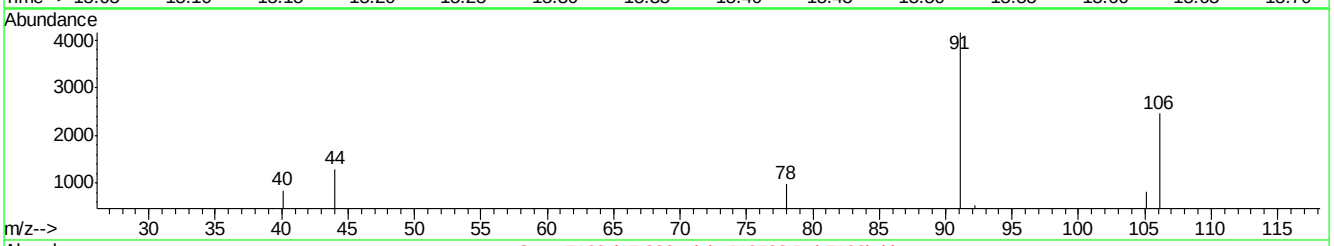
Quantitation Report (Qedit)

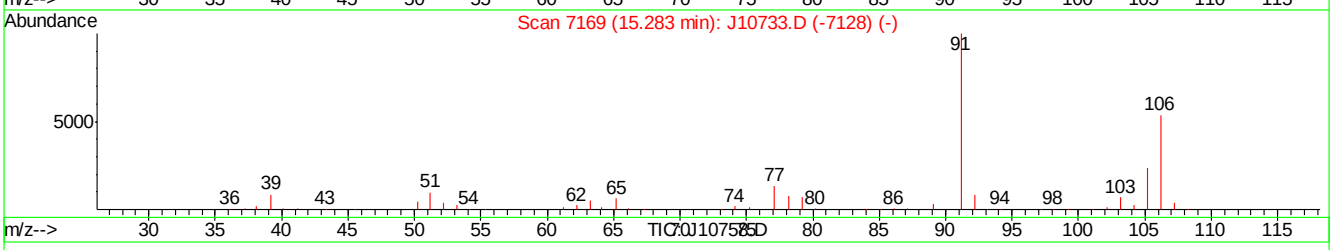
Data File : C:\MSDChem\1\data\J10758.D Vial: 2
Acq On : 25 Jun 2007 11:05 am Operator: danat
Sample : ic557-0.2 (m141) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 25 11:48:28 2007 Results File: J062507T.RES

Method : C:\MSDCHEM\1\METHODS\J062507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Mon Jun 25 10:46:18 2007
Response via : Multiple Level Calibration







(56) m,p-XYLENE (m)

15.26min 0.06PPBV

response 2674

Ion	Exp%	Act%
106.00	100	100
91.00	186.60	169.16
77.00	24.80	0.00#
0.00	0.00	0.00

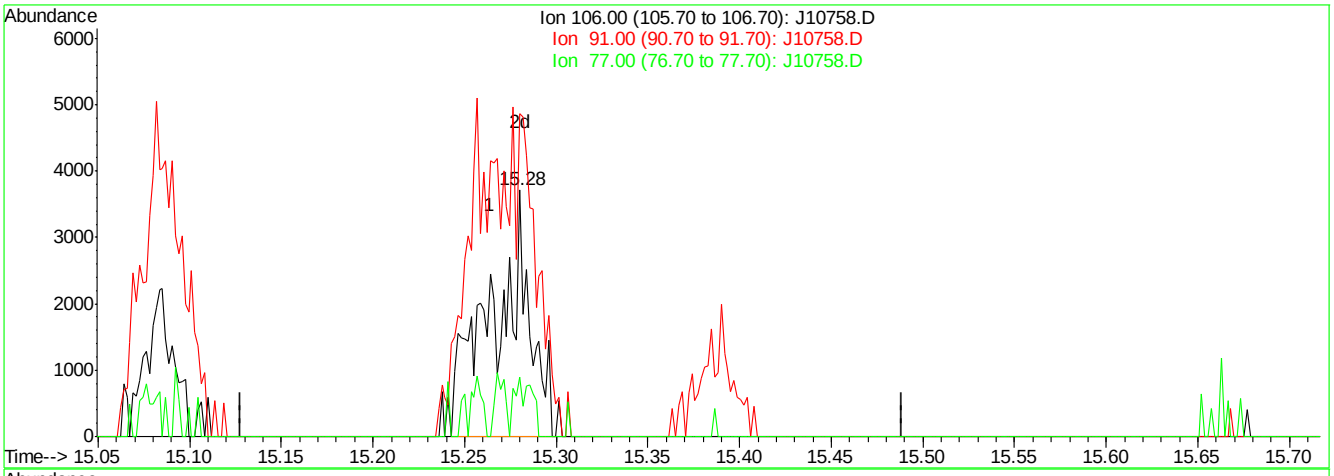
J10758.D J062507T.M Mon Jun 25 11:52:03 2007

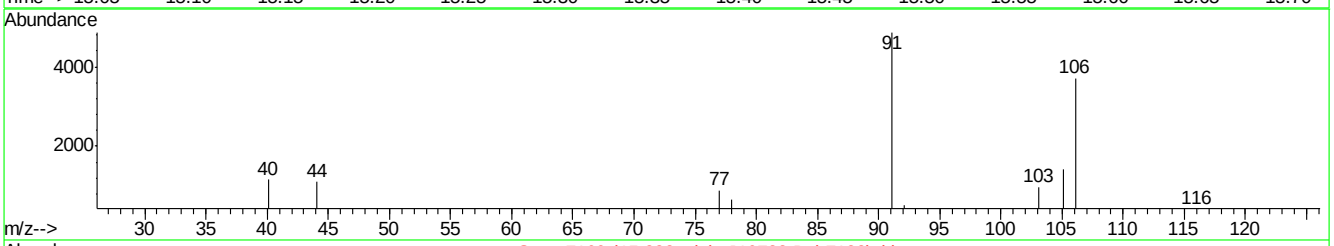
Quantitation Report (Qedit)

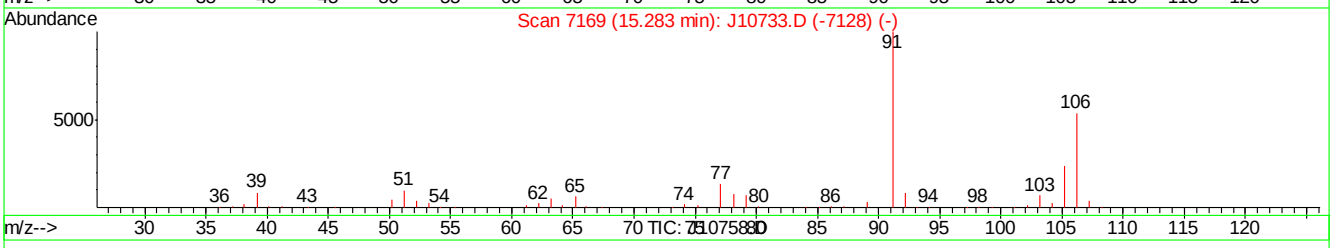
Data File : C:\MSDChem\1\data\J10758.D Vial: 2
Acq On : 25 Jun 2007 11:05 am Operator: danat
Sample : ic557-0.2 (m141) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 25 11:48:28 2007 Results File: J062507T.RES

Method : C:\MSDCHEM\1\METHODS\J062507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Mon Jun 25 10:46:18 2007
Response via : Multiple Level Calibration







(56) m,p-XYLENE (m)

15.28min 0.11PPBV m

response 5280

Ion	Exp%	Act%
106.00	100	100
91.00	186.60	130.78#
77.00	24.80	24.02
0.00	0.00	0.00

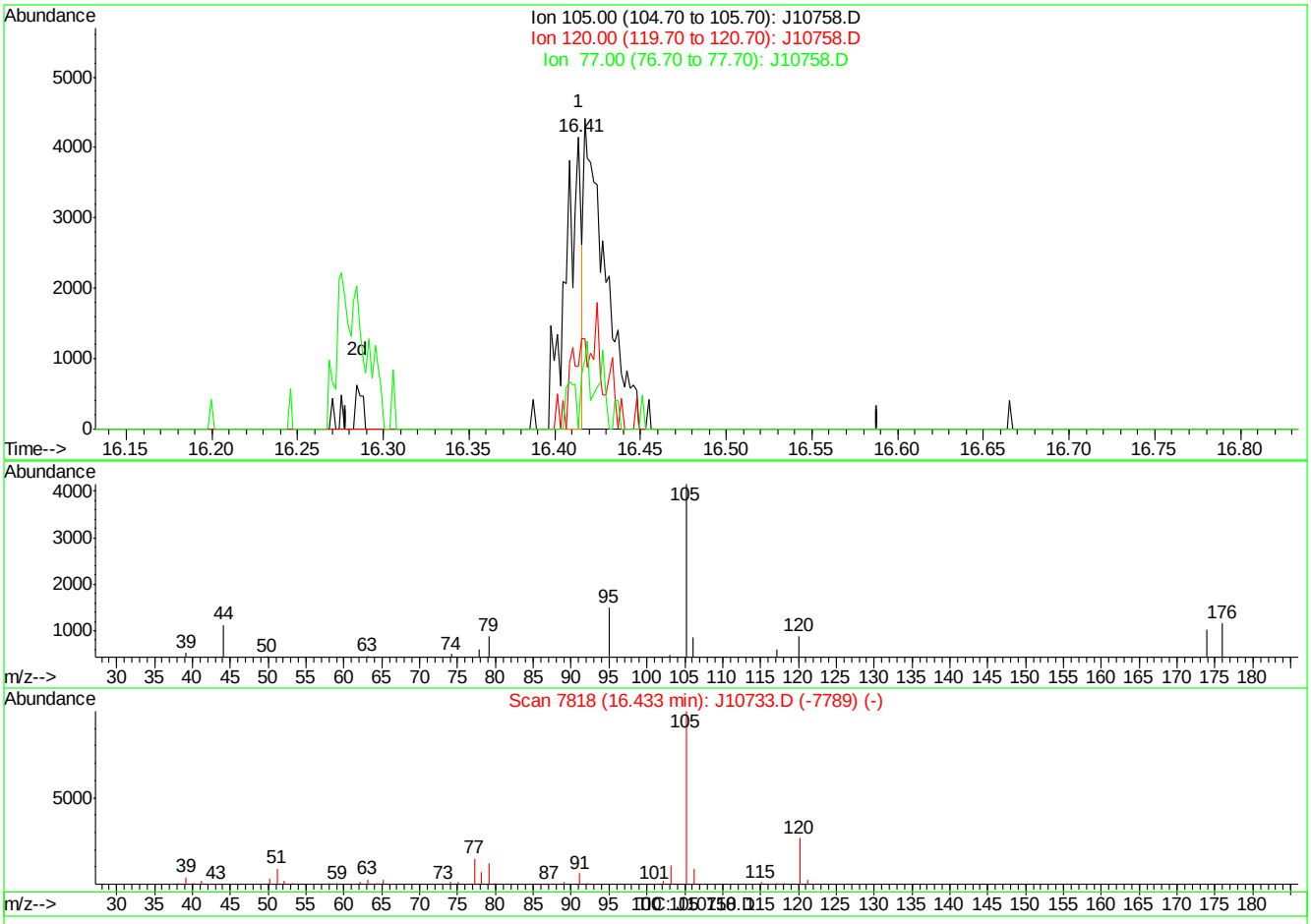
J10758.D J062507T.M Mon Jun 25 11:52:13 2007

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10758.D Vial: 2
Acq On : 25 Jun 2007 11:05 am Operator: danat
Sample : ic557-0.2 (m141) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 25 11:48:28 2007 Results File: J062507T.RES

Method : C:\MSDCHEM\1\METHODS\J062507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Mon Jun 25 10:46:18 2007
Response via : Multiple Level Calibration



(63) ISOPROPYLBENZENE (m)

16.41min 0.02PPBV

response 2618

Ion	Exp%	Act%
105.00	100	100
120.00	26.40	67.19#
77.00	15.20	41.14#
0.00	0.00	0.00

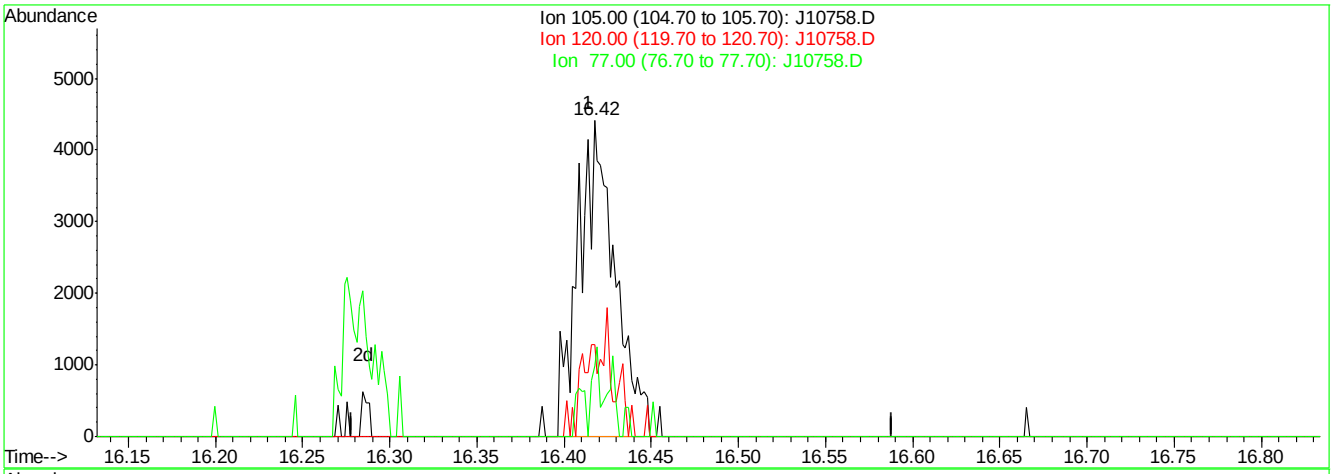
J10758.D J062507T.M Mon Jun 25 11:52:30 2007

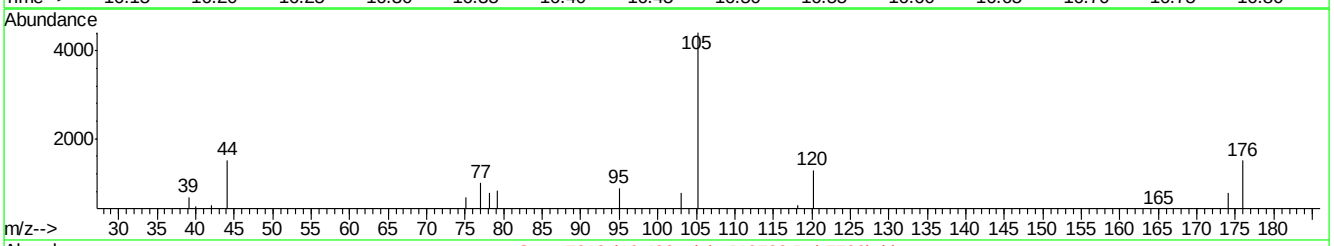
Quantitation Report (Qedit)

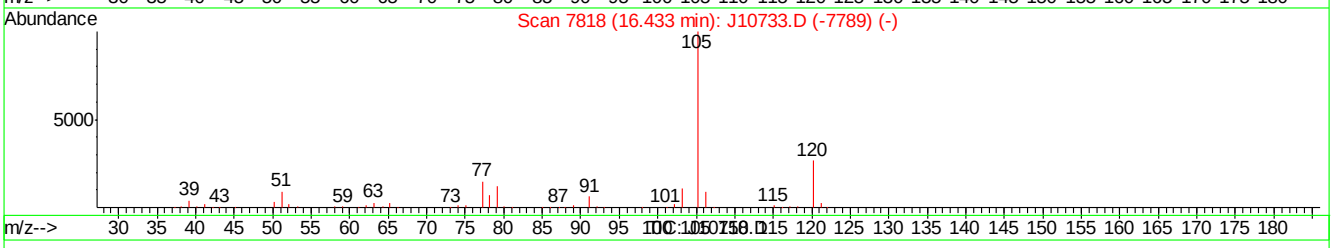
Data File : C:\MSDChem\1\data\J10758.D Vial: 2
Acq On : 25 Jun 2007 11:05 am Operator: danat
Sample : ic557-0.2 (m141) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 25 11:48:28 2007 Results File: J062507T.RES

Method : C:\MSDCHEM\1\METHODS\J062507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Mon Jun 25 10:46:18 2007
Response via : Multiple Level Calibration







(63) ISOPROPYLBENZENE (m)

16.42min 0.04PPBV m

response 6411

Ion	Exp%	Act%
105.00	100	100
120.00	26.40	27.44
77.00	15.20	16.80
0.00	0.00	0.00

J10758.D J062507T.M Mon Jun 25 11:52:36 2007

Manual Integrations APPROVED (compounds with "m" flag)
Philip Bassignani 06/27/07 12:10

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10760.D
Acq On : 25 Jun 2007 12:42 pm
Operator : danat
Sample : ic557-40 (m172)
Misc : MS13762, MSJ557,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 25 13:10:57 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Jun 25 10:46:18 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.64	128	426129	10.00	PPBV	0.01
35) 1,4-DIFLUOROBENZENE	10.47	114	1871381	10.00	PPBV	0.01
49) CHLOROBENZENE-D5	14.70	117	1859953	10.00	PPBV	0.02

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.32	95	679558	5.88	PPBV	0.02

Spiked Amount 5.000 Range 51 - 142 Recovery = 117.60%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.07	85	5739971	42.20	PPBV	99
3) PROPYLENE	4.00	41	955600	47.72	PPBV	93
4) FREON 114	4.33	85	4966854	42.19	PPBV	97
5) CHLOROMETHANE	4.24	50	1220597	44.04	PPBV	99
6) VINYL CHLORIDE	4.45	62	1464351	45.11	PPBV	98
7) 1,3-BUTADIENE	4.59	39	1162057	47.30	PPBV	94
8) BROMOMETHANE	4.86	94	1640422	40.56	PPBV	99
9) CHLOROETHANE	5.03	64	698034	44.59	PPBV	98
10) TRICHLOROFLUOROMETHANE	5.80	101	5977808	40.70	PPBV	99
11) ISOPROPYL ALCOHOL	6.03	45	1811520	37.99	PPBV	97
12) ACETONE	5.66	43	1904223	35.22	PPBV	97
13) PENTANE	6.14	42	1286210	42.48	PPBV	98
14) 1,1-DICHLOROETHYLENE	6.43	96	1672764	40.98	PPBV	92
15) CARBON DISULFIDE	6.85	76	4604238	39.80	PPBV	98
16) ETHANOL	5.23	45	304782	36.89	PPBV	58
17) BROMOETHENE	5.39	106	1704216	41.98	PPBV	99
18) METHYLENE CHLORIDE	6.55	84	1497231	27.58	PPBV	93
19) 3-CHLOROPROPENE	6.67	39	1661734	49.78	PPBV #	23
20) FREON 113	6.80	151	3767248	39.44	PPBV	95
21) TRANS-1,2-DICHLOROETHYLENE	7.46	96	1665867	41.18	PPBV	96
22) TERTIARY BUTYL ALCOHOL	6.65	59	2401432m	44.15	PPBV	
23) METHYL TERTIARY BUTYL ETHE	7.74	73	3541877	40.52	PPBV	97
24) TETRAHYDROFURAN	9.18	42	1109159	40.85	PPBV	94
25) HEXANE	8.64	57	1799281	36.17	PPBV	98
26) VINYL ACETATE	7.82	43	2302424	45.10	PPBV	98
27) 1,1-DICHLOROETHANE	7.67	63	2807935	40.98	PPBV	99
28) METHYL ETHYL KETONE	8.10	43	2086384	38.64	PPBV	99
29) cis-1,2-DICHLOROETHYLENE	8.47	96	1664593	41.24	PPBV	98
30) ETHYL ACETATE	8.72	43	2333918	40.76	PPBV	99
31) CHLOROFORM	8.77	83	3866989	38.83	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.70	97	4719110	41.73	PPBV	99
33) CARBON TETRACHLORIDE	10.27	117	5697392	41.34	PPBV	99
34) 1,2-DICHLOROETHANE	9.48	62	2374213	40.99	PPBV	100
36) BENZENE	10.14	78	4200205	41.45	PPBV	99
37) CYCLOHEXANE	10.38	84	1948520	39.92	PPBV	97
38) TRICHLOROETHYLENE	11.14	95	2235741	42.70	PPBV	99
39) 1,2-DICHLOROPROPANE	10.93	63	1414430	43.39	PPBV	99
40) BROMODICHLOROMETHANE	11.12	83	3891184	42.50	PPBV	100
41) 2,2,4-TRIMETHYLPENTANE	11.14	57	6933394	44.65	PPBV	99
42) 1,4-DIOXANE	11.20	88	746308	34.04	PPBV	91
43) HEPTANE	11.38	43	2196584	44.45	PPBV	98

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10760.D
Acq On : 25 Jun 2007 12:42 pm
Operator : danat
Sample : ic557-40 (m172)
Misc : MS13762, MSJ557,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 25 13:10:57 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Jun 25 10:46:18 2007
Response via : Initial Calibration

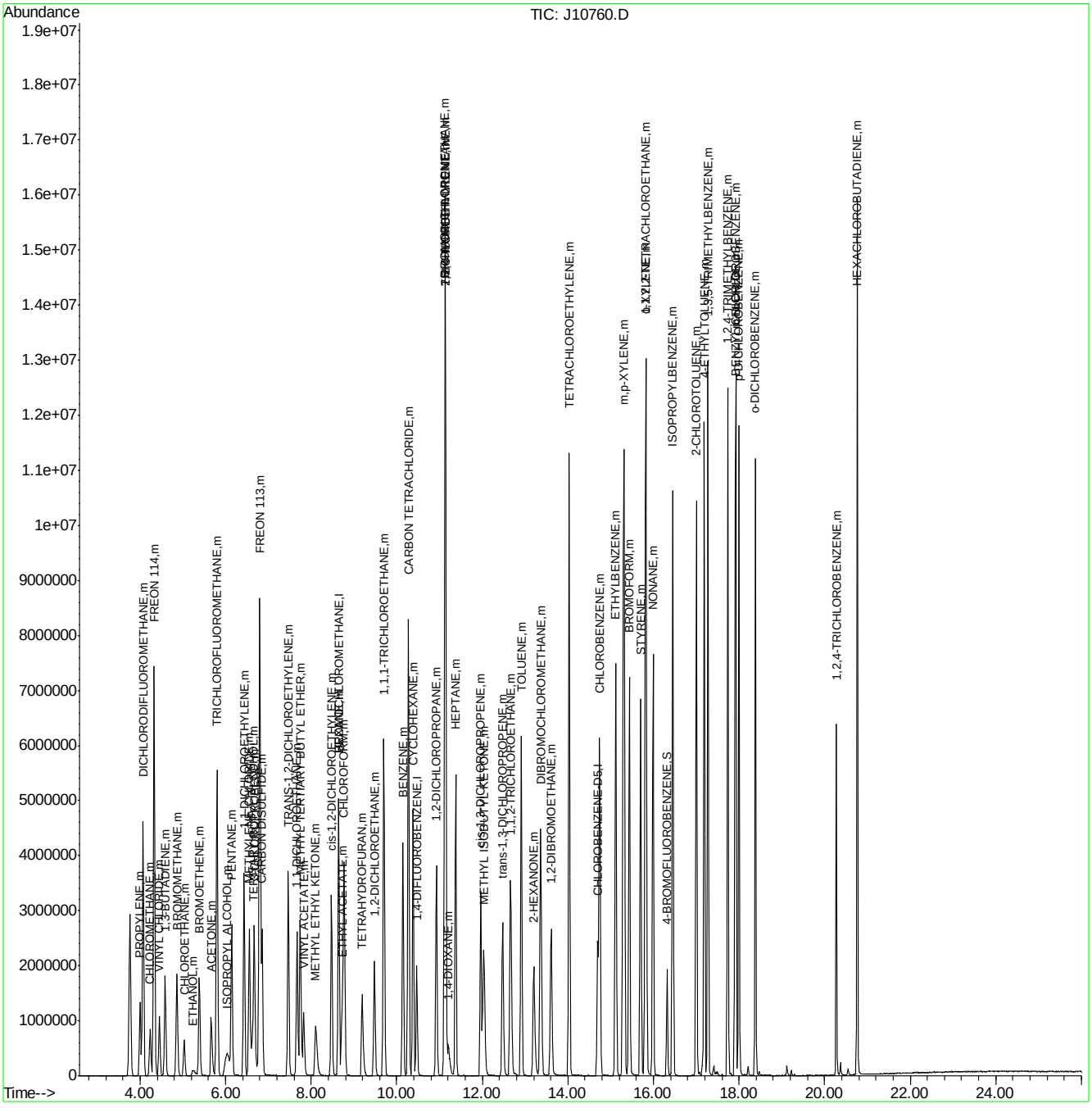
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) METHYL ISOBUTYL KETONE	12.03	43	2669104	45.25	PPBV		98
45) cis-1,3-DICHLOROPROPENE	11.96	75	2235612	44.72	PPBV		97
46) TOLUENE	12.91	92	3175409	48.29	PPBV		99
47) trans-1,3-DICHLOROPROPENE	12.47	75	2268217	47.63	PPBV	#	76
48) 1,1,2-TRICHLOROETHANE	12.66	83	1472943	43.09	PPBV		97
50) 2-HEXANONE	13.20	43	2332082	42.00	PPBV		99
51) TETRACHLOROETHYLENE	14.03	164	2890901	39.09	PPBV		99
52) DIBROMOCHLOROMETHANE	13.36	129	3987536	37.67	PPBV		99
53) 1,2-DIBROMOETHANE	13.61	107	2895955	40.29	PPBV	#	6
54) CHLOROBENZENE	14.74	112	4522404	40.79	PPBV		99
55) ETHYLBENZENE	15.12	91	7044248	47.82	PPBV		100
56) m,p-XYLENE	15.31	106	5905076	100.96	PPBV		96
57) o-XYLENE	15.81	106	3011361	51.64	PPBV		98
58) STYRENE	15.70	104	4310775	58.26	PPBV		99
59) NONANE	15.99	43	3096489	55.12	PPBV		99
60) BROMOFORM	15.44	173	4408132	42.63	PPBV	#	40
62) 1,1,2,2-TETRACHLOROETHANE	15.83	83	3780908	42.27	PPBV		99
63) ISOPROPYLBENZENE	16.45	105	8599144	45.89	PPBV		99
64) 2-CHLOROTOLUENE	17.00	91	6102056	52.38	PPBV		99
65) 4-ETHYLTOLUENE	17.19	105	8351961	63.23	PPBV	#	99
66) 1,3,5-TRIMETHYLBENZENE	17.27	105	7391045	53.25	PPBV		99
67) 1,2,4-TRIMETHYLBENZENE	17.74	105	6983401	65.68	PPBV		99
68) m-DICHLOROBENZENE	17.92	146	5039073	59.60	PPBV		99
69) BENZYL CHLORIDE	17.90	91	4193954	68.65	PPBV		99
70) p-DICHLOROBENZENE	18.00	146	4795481	64.33	PPBV		99
71) o-DICHLOROBENZENE	18.38	146	4426002	57.56	PPBV		99
72) HEXACHLOROBUTADIENE	20.76	225	2729766	32.86	PPBV		99
73) 1,2,4-TRICHLOROBENZENE	20.27	180	1696482	72.33	PPBV		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10760.D
Acq On : 25 Jun 2007 12:42 pm
Operator : danat
Sample : ic557-40 (m172)
Misc : MS13762, MSJ557,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 25 13:10:57 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Jun 25 10:46:18 2007
Response via : Initial Calibration



J062507T.M Mon Jun 25 13:11:07 2007 Page: 3

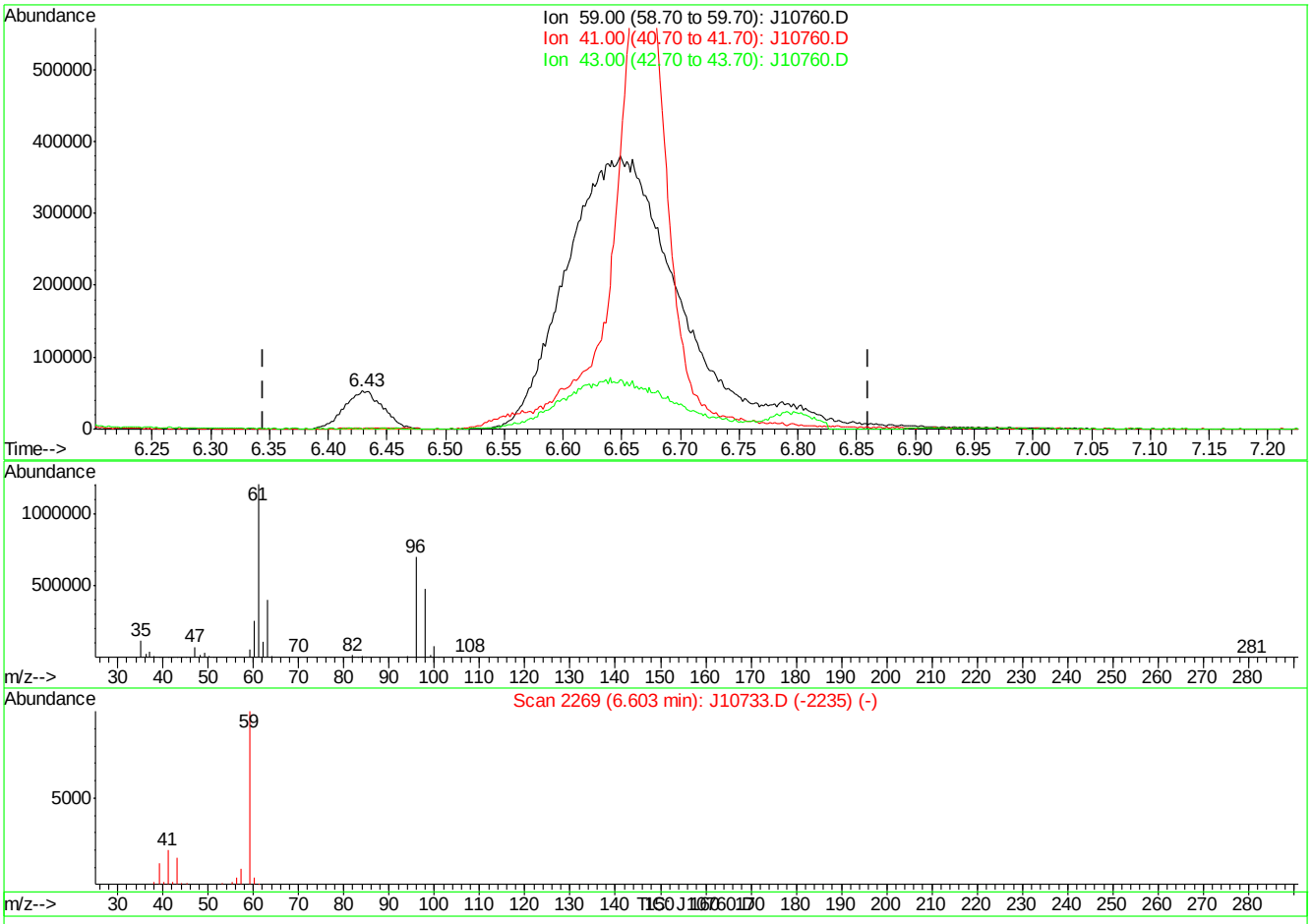
ACCUTEST Laboratories M65503

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10760.D Vial: 3
Acq On : 25 Jun 2007 12:42 pm Operator: danat
Sample : ic557-40 (m172) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 25 13:09:34 2007 Results File: J062507T.RES

Method : C:\MSDCHEM\1\METHODS\J062507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Mon Jun 25 10:46:18 2007
Response via : Multiple Level Calibration



(22) TERTIARY BUTYL ALCOHOL (m)

6.43min 2.24PPBV

response 121781

Ion	Exp%	Act%
59.00	100	100
41.00	17.20	0.00
43.00	16.40	0.00
0.00	0.00	0.00

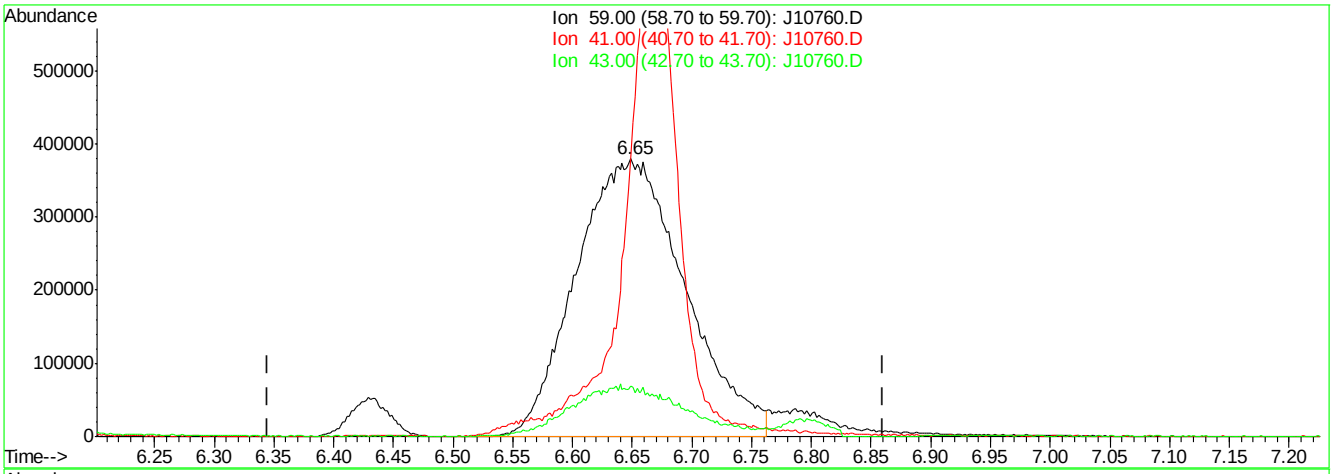
J10760.D J062507T.M Mon Jun 25 13:10:10 2007

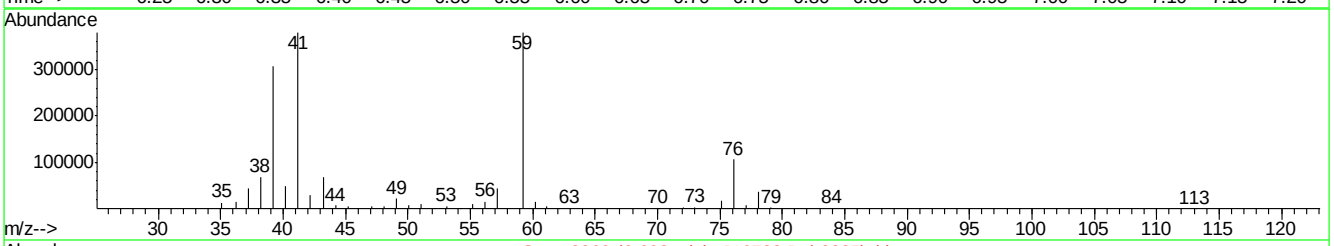
Quantitation Report (Qedit)

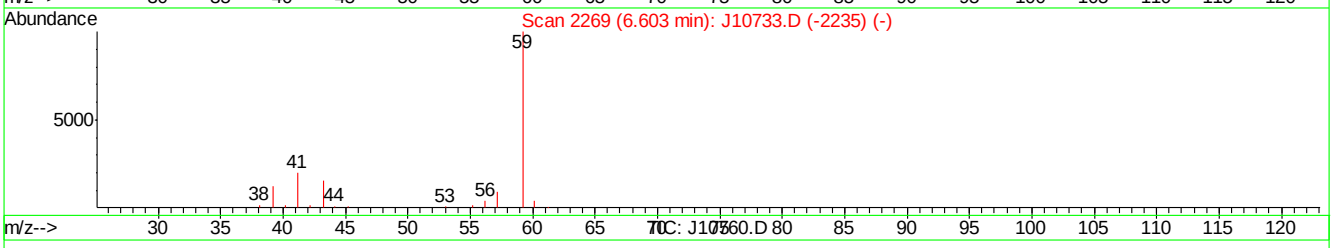
Data File : C:\MSDChem\1\data\J10760.D Vial: 3
Acq On : 25 Jun 2007 12:42 pm Operator: danat
Sample : ic557-40 (m172) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 25 13:09:34 2007 Results File: J062507T.RES

Method : C:\MSDCHEM\1\METHODS\J062507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Mon Jun 25 10:46:18 2007
Response via : Multiple Level Calibration







(22) TERTIARY BUTYL ALCOHOL (m)

6.65min 44.15PPBV m

response 2401432

Ion	Exp%	Act%
59.00	100	100
41.00	17.20	0.00
43.00	16.40	0.00
0.00	0.00	0.00

J10760.D J062507T.M Mon Jun 25 13:10:18 2007

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10761.D
Acq On : 25 Jun 2007 1:59 pm
Operator : danat
Sample : ic557-20 (m172)
Misc : MS13762, MSJ557,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 25 14:27:27 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Jun 25 10:46:18 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.63	128	454420	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.45	114	2027697	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.68	117	1910580	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.31	95	662038	5.58	PPBV	0.00
Spiked Amount 5.000	Range 51 - 142		Recovery = 111.60%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.07	85	2927277	20.18	PPBV	100
3) PROPYLENE	4.00	41	485428	22.73	PPBV	93
4) FREON 114	4.33	85	2729549	21.74	PPBV	96
5) CHLOROMETHANE	4.23	50	661157	22.37	PPBV	98
6) VINYL CHLORIDE	4.45	62	805928	23.28	PPBV	98
7) 1,3-BUTADIENE	4.58	39	621452	23.72	PPBV	97
8) BROMOMETHANE	4.86	94	936595	21.71	PPBV	99
9) CHLOROETHANE	5.03	64	385888	23.11	PPBV	98
10) TRICHLOROFLUOROMETHANE	5.79	101	3182836	20.32	PPBV	99
11) ISOPROPYL ALCOHOL	6.00	45	1053347	20.71	PPBV	95
12) ACETONE	5.65	43	1038354	18.01	PPBV	98
13) PENTANE	6.13	42	691724	21.43	PPBV	99
14) 1,1-DICHLOROETHYLENE	6.42	96	928608	21.33	PPBV	95
15) CARBON DISULFIDE	6.85	76	2511530	20.36	PPBV	99
16) ETHANOL	5.24	45	172527	19.58	PPBV #	46
17) BROMOETHENE	5.38	106	956978	22.10	PPBV	100
18) METHYLENE CHLORIDE	6.55	84	804777	13.90	PPBV	96
19) 3-CHLOROPROPENE	6.66	39	716147	20.12	PPBV	99
20) FREON 113	6.79	151	2023707	19.87	PPBV	95
21) TRANS-1,2-DICHLOROETHYLENE	7.46	96	869836	20.16	PPBV	97
22) TERTIARY BUTYL ALCOHOL	6.60	59	1384528	23.87	PPBV	86
23) METHYL TERTIARY BUTYL ETHE	7.74	73	1995957	21.41	PPBV	98
24) TETRAHYDROFURAN	9.18	42	596364	20.60	PPBV	95
25) HEXANE	8.64	57	948254	17.88	PPBV	99
26) VINYL ACETATE	7.81	43	1266802	23.27	PPBV	99
27) 1,1-DICHLOROETHANE	7.66	63	1448874	19.83	PPBV	99
28) METHYL ETHYL KETONE	8.09	43	1139241	19.79	PPBV	99
29) cis-1,2-DICHLOROETHYLENE	8.47	96	826762	19.21	PPBV	97
30) ETHYL ACETATE	8.70	43	1244197	20.37	PPBV	99
31) CHLOROFORM	8.76	83	1951286	18.37	PPBV	100
32) 1,1,1-TRICHLOROETHANE	9.69	97	2275823	18.87	PPBV	99
33) CARBON TETRACHLORIDE	10.26	117	2866212	19.50	PPBV	99
34) 1,2-DICHLOROETHANE	9.47	62	1217727	19.72	PPBV	99
36) BENZENE	10.13	78	2122452	19.33	PPBV	99
37) CYCLOHEXANE	10.38	84	1013712	19.17	PPBV	98
38) TRICHLOROETHYLENE	11.13	95	1098311	19.36	PPBV	100
39) 1,2-DICHLOROPROPANE	10.91	63	687089	19.45	PPBV	98
40) BROMODICHLOROMETHANE	11.10	83	1920622	19.36	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.13	57	3324777	19.76	PPBV	99
42) 1,4-DIOXANE	11.18	88	389131	16.38	PPBV	95
43) HEPTANE	11.37	43	1067203	19.93	PPBV	97

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10761.D
Acq On : 25 Jun 2007 1:59 pm
Operator : danat
Sample : ic557-20 (m172)
Misc : MS13762, MSJ557,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 25 14:27:27 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Jun 25 10:46:18 2007
Response via : Initial Calibration

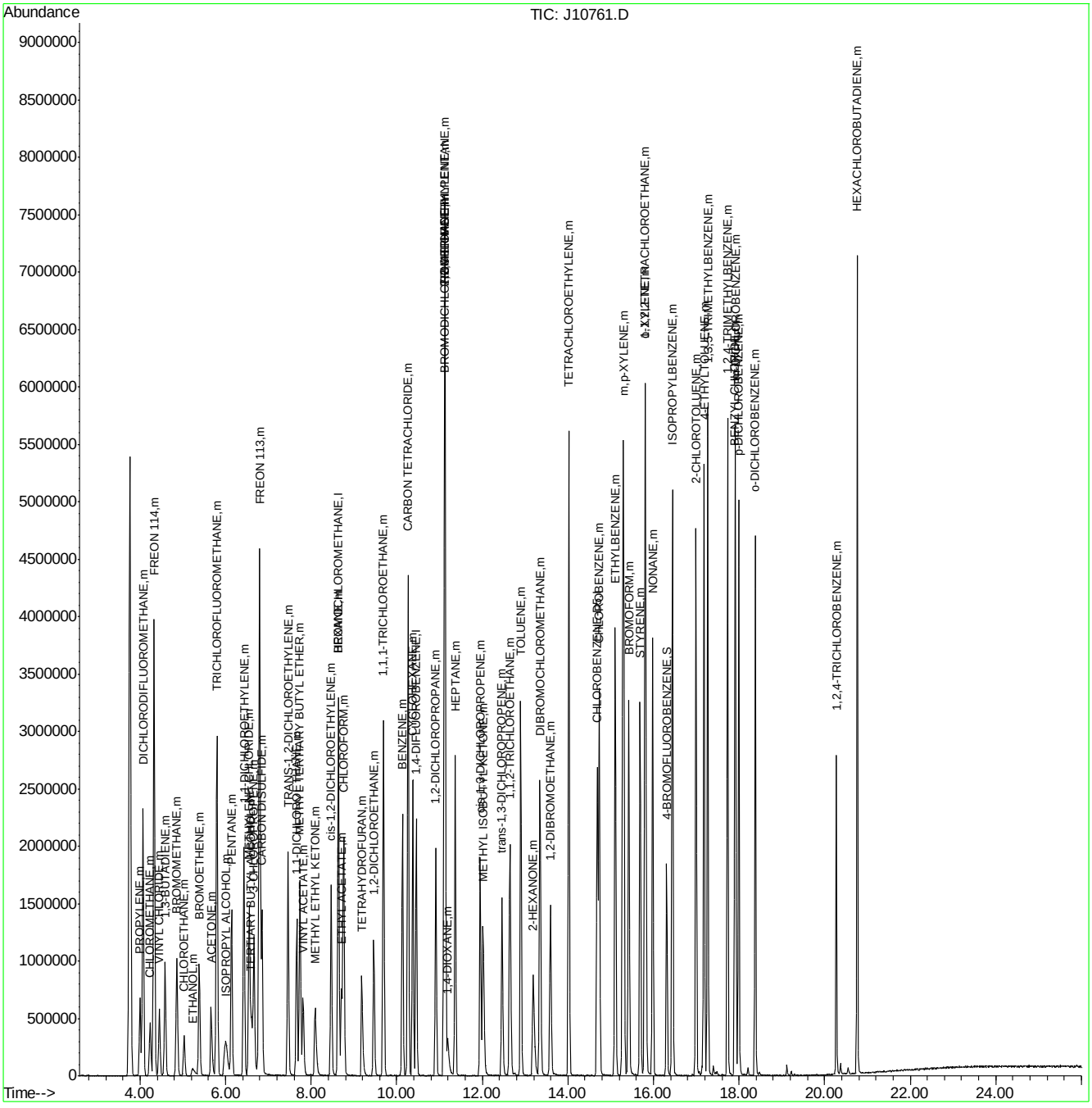
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.01	43	1328709	20.79	PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.95	75	1134927	20.95	PPBV	99
46) TOLUENE	12.90	92	1555485	21.83	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.46	75	1116511	21.64	PPBV	100
48) 1,1,2-TRICHLOROETHANE	12.64	83	735367	19.85	PPBV	98
50) 2-HEXANONE	13.19	43	1101114	19.31	PPBV	98
51) TETRACHLOROETHYLENE	14.02	164	1376071	18.11	PPBV	99
52) DIBROMOCHLOROMETHANE	13.35	129	2009603	18.48	PPBV	100
53) 1,2-DIBROMOETHANE	13.59	107	1441605	19.53	PPBV	100
54) CHLOROBENZENE	14.73	112	2241251	19.68	PPBV	98
55) ETHYLBENZENE	15.10	91	3467143	22.91	PPBV	100
56) m,p-XYLENE	15.30	106	2845107	47.36	PPBV	93
57) o-XYLENE	15.80	106	1426570	23.82	PPBV	100
58) STYRENE	15.69	104	2007810	26.42	PPBV	99
59) NONANE	15.98	43	1460417	25.31	PPBV	99
60) BROMOFORM	15.42	173	2078269	19.57	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.81	83	1775445	19.32	PPBV	99
63) ISOPROPYLBENZENE	16.44	105	4107649	21.34	PPBV	100
64) 2-CHLOROTOLUENE	16.99	91	2835921	23.70	PPBV	99
65) 4-ETHYLTOLUENE	17.18	105	3806406	28.05	PPBV	98
66) 1,3,5-TRIMETHYLBENZENE	17.27	105	3387077	23.76	PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.73	105	3099470	28.38	PPBV	99
68) m-DICHLOROBENZENE	17.92	146	2170042	24.99	PPBV	99
69) BENZYL CHLORIDE	17.90	91	1751353	27.91	PPBV	99
70) p-DICHLOROBENZENE	17.99	146	2074835	27.10	PPBV	100
71) o-DICHLOROBENZENE	18.38	146	1882975	23.84	PPBV	99
72) HEXACHLOROBUTADIENE	20.76	225	1234888	14.47	PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.27	180	751691	31.20	PPBV	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10761.D
Acq On : 25 Jun 2007 1:59 pm
Operator : danat
Sample : ic557-20 (m172)
Misc : MS13762, MSJ557,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 25 14:27:27 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Jun 25 10:46:18 2007
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Philip Bassignani 06/27/07 12:10

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10762.D
Acq On : 25 Jun 2007 2:46 pm
Operator : danat
Sample : icc557-10 (m172)
Misc : MS13762, MSJ557,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 25 15:23:25 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Jun 25 14:28:31 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.63	128	435479	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.45	114	1969866	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.67	117	1764652m	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.30	95	583931	5.34	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 106.80%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.07	85	1350686	8.27	PPBV	100
3) PROPYLENE	4.00	41	220095	9.48	PPBV	93
4) FREON 114	4.32	85	1173284	8.28	PPBV	96
5) CHLOROMETHANE	4.23	50	287355	8.12	PPBV	96
6) VINYL CHLORIDE	4.45	62	345667	8.64	PPBV	98
7) 1,3-BUTADIENE	4.58	39	258505	9.32	PPBV	99
8) BROMOMETHANE	4.86	94	404909	9.08	PPBV	99
9) CHLOROETHANE	5.03	64	167579	9.27	PPBV	98
10) TRICHLOROFLUOROMETHANE	5.79	101	1401103	8.20	PPBV	99
11) ISOPROPYL ALCOHOL	5.98	45	463083	8.76	PPBV	99
12) ACETONE	5.66	43	444757	4.08	PPBV	99
13) PENTANE	6.13	42	301926	6.60	PPBV	100
14) 1,1-DICHLOROETHYLENE	6.42	96	406910	9.56	PPBV	94
15) CARBON DISULFIDE	6.85	76	1127717	8.52	PPBV	99
16) ETHANOL	5.23	45	73337	7.06	PPBV #	42
17) BROMOETHENE	5.38	106	414946	9.65	PPBV	99
18) METHYLENE CHLORIDE	6.55	84	373389	3.98	PPBV	95
19) 3-CHLOROPROPENE	6.66	39	285284	8.15	PPBV	97
20) FREON 113	6.79	151	871991	8.09	PPBV	93
21) TRANS-1,2-DICHLOROETHYLENE	7.46	96	386503	9.37	PPBV	97
22) TERTIARY BUTYL ALCOHOL	6.57	59	624283	10.78	PPBV	93
23) METHYL TERTIARY BUTYL ETHE	7.73	73	852899	10.11	PPBV	98
24) TETRAHYDROFURAN	9.18	42	249443	9.30	PPBV	96
25) HEXANE	8.63	57	408666	7.43	PPBV	97
26) VINYL ACETATE	7.81	43	503064	8.18	PPBV	98
27) 1,1-DICHLOROETHANE	7.66	63	608748	8.39	PPBV	99
28) METHYL ETHYL KETONE	8.08	43	483306	8.77	PPBV	97
29) cis-1,2-DICHLOROETHYLENE	8.46	96	354210	8.87	PPBV	98
30) ETHYL ACETATE	8.70	43	520452	9.21	PPBV	94
31) CHLOROFORM	8.75	83	841439	8.09	PPBV	100
32) 1,1,1-TRICHLOROETHANE	9.68	97	994473	8.38	PPBV	99
33) CARBON TETRACHLORIDE	10.26	117	1282101	8.72	PPBV	100
34) 1,2-DICHLOROETHANE	9.45	62	499568	8.46	PPBV	99
36) BENZENE	10.12	78	875102	9.27	PPBV	99
37) CYCLOHEXANE	10.37	84	442296	9.26	PPBV	96
38) TRICHLOROETHYLENE	11.12	95	474105	8.98	PPBV	98
39) 1,2-DICHLOROPROPANE	10.90	63	286039	8.83	PPBV	99
40) BROMODICHLOROMETHANE	11.09	83	805575	8.28	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.12	57	1388095	9.93	PPBV	100
42) 1,4-DIOXANE	11.18	88	159421	8.50	PPBV	94
43) HEPTANE	11.36	43	447455	10.32	PPBV	97

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10762.D
Acq On : 25 Jun 2007 2:46 pm
Operator : danat
Sample : icc557-10 (m172)
Misc : MS13762, MSJ557,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 25 15:23:25 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Jun 25 14:28:31 2007
Response via : Initial Calibration

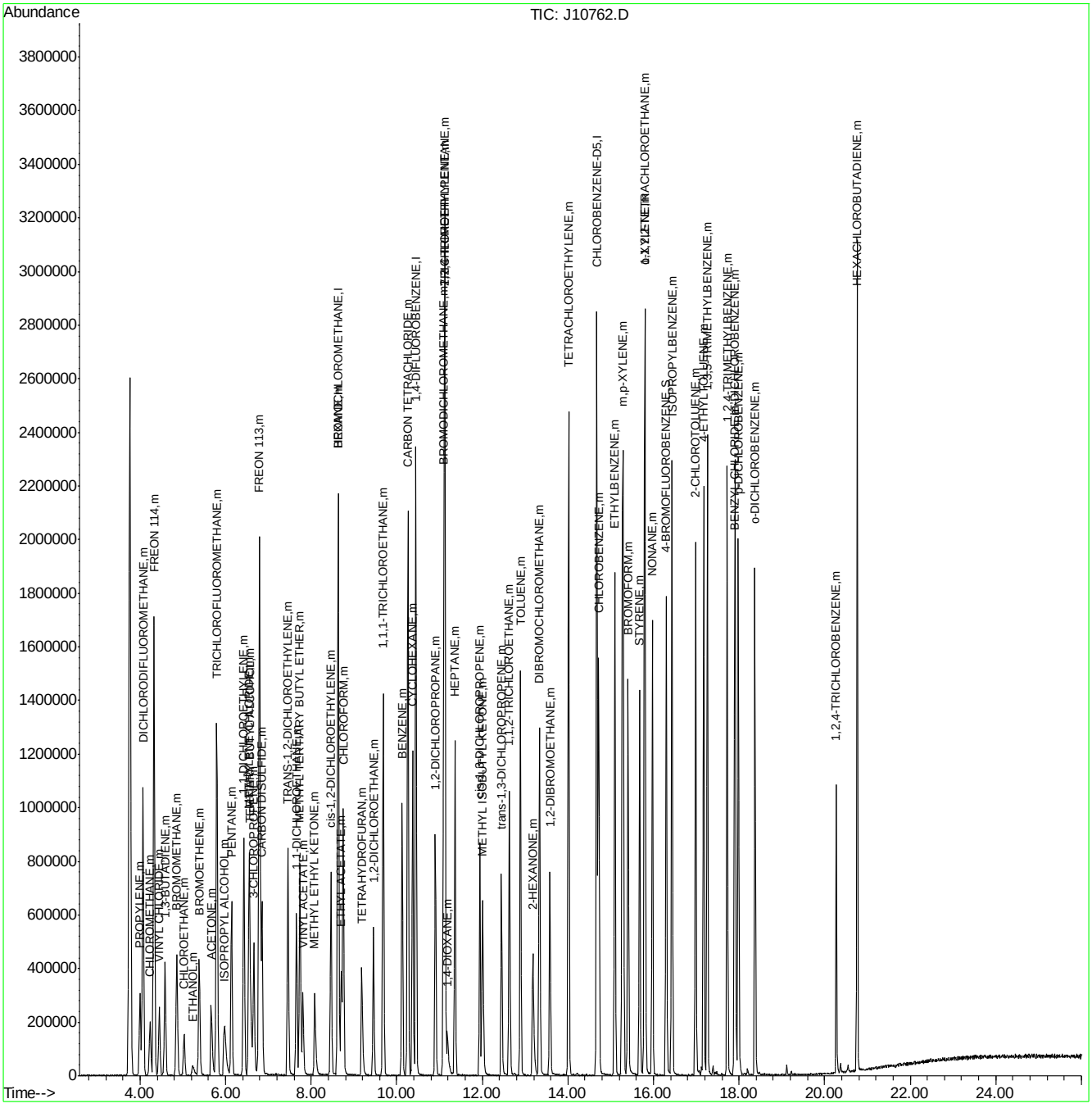
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.00	43	539564	8.93	PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.94	75	453130	10.63	PPBV	99
46) TOLUENE	12.89	92	629342	10.15	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.45	75	434192	10.90	PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.63	83	309691	8.77	PPBV	97
50) 2-HEXANONE	13.18	43	450763	9.89	PPBV	97
51) TETRACHLOROETHYLENE	14.01	164	560515	9.26	PPBV	99
52) DIBROMOCHLOROMETHANE	13.33	129	826906	9.12	PPBV	100
53) 1,2-DIBROMOETHANE	13.58	107	580229	9.75	PPBV	99
54) CHLOROBENZENE	14.72	112	916519	9.67	PPBV	97
55) ETHYLBENZENE	15.10	91	1404295	12.30	PPBV	99
56) m,p-XYLENE	15.29	106	1155267	24.70	PPBV	95
57) o-XYLENE	15.79	106	579875	12.87	PPBV	100
58) STYRENE	15.67	104	742923	12.75	PPBV	99
59) NONANE	15.98	43	587305	10.56	PPBV	98
60) BROMOFORM	15.40	173	821936	9.39	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.80	83	708231	9.47	PPBV	98
63) ISOPROPYLBENZENE	16.43	105	1632690	12.47	PPBV	99
64) 2-CHLOROTOLUENE	16.99	91	1106798	12.37	PPBV	99
65) 4-ETHYLTOLUENE	17.17	105	1373761	12.34	PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.26	105	1296793	12.68	PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.72	105	1176217	12.92	PPBV	100
68) m-DICHLOROBENZENE	17.91	146	852323	11.72	PPBV	99
69) BENZYL CHLORIDE	17.89	91	682120	10.60	PPBV	99
70) p-DICHLOROBENZENE	17.99	146	824827	12.60	PPBV	99
71) o-DICHLOROBENZENE	18.37	146	740112	11.41	PPBV	99
72) HEXACHLOROBUTADIENE	20.76	225	521974	9.32	PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.27	180	292550	10.01	PPBV	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10762.D
Acq On : 25 Jun 2007 2:46 pm
Operator : danat
Sample : icc557-10 (m172)
Misc : MS13762, MSJ557,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 25 15:23:25 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Jun 25 14:28:31 2007
Response via : Initial Calibration



J062507T.M Mon Jun 25 15:23:36 2007 Page: 3

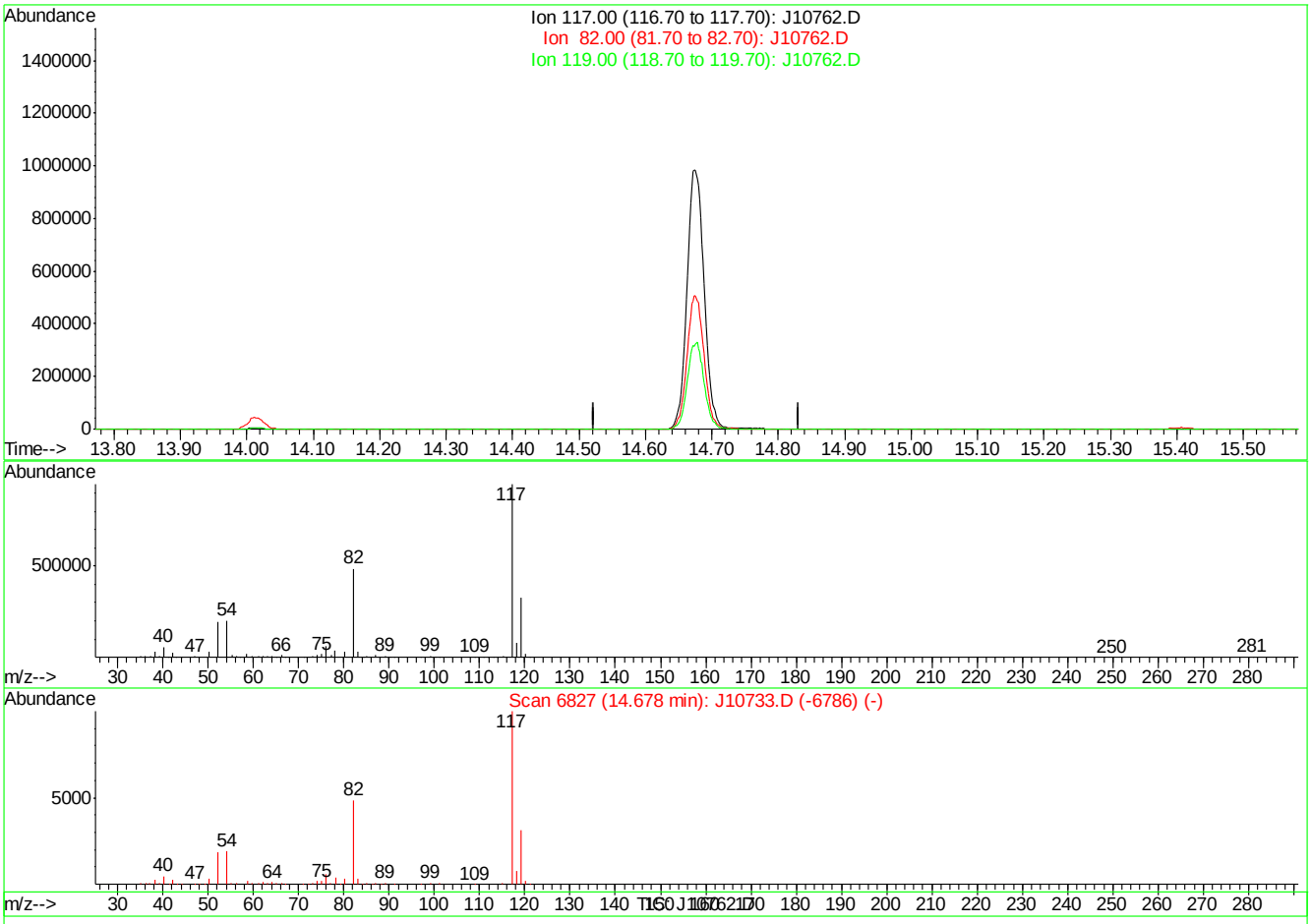
ACCUTEST Laboratories M65503

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10762.D Vial: 3
Acq On : 25 Jun 2007 2:46 pm Operator: danat
Sample : icc557-10 (m172) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 25 15:22:12 2007 Results File: J062507T.RES

Method : C:\MSDCHEM\1\METHODS\J062507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Mon Jun 25 14:28:31 2007
Response via : Multiple Level Calibration



(49) CHLOROBENZENE-D5 (I)

14.68min 0.00PPBV

response 0

Ion	Exp%	Act%
117.00	100	0.00
82.00	0.00	0.00
119.00	0.00	0.00
0.00	0.00	0.00

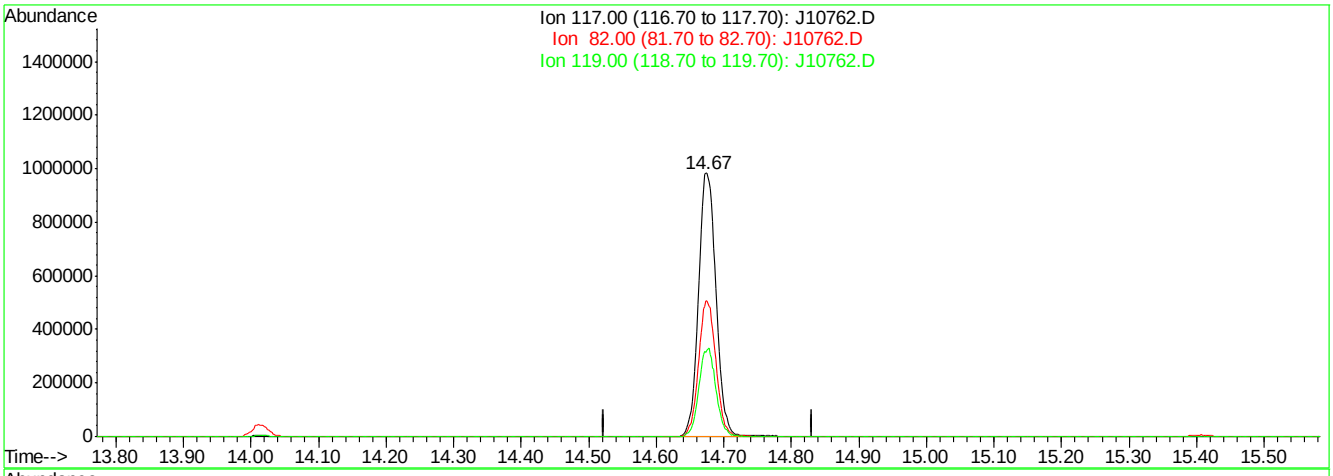
J10762.D J062507T.M Mon Jun 25 15:23:01 2007

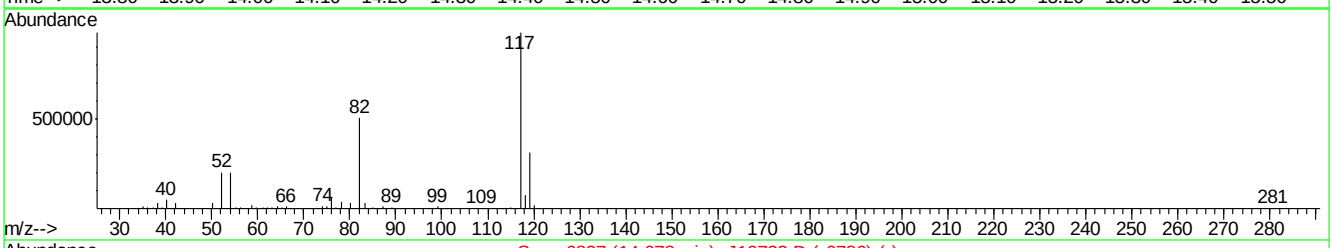
Quantitation Report (Qedit)

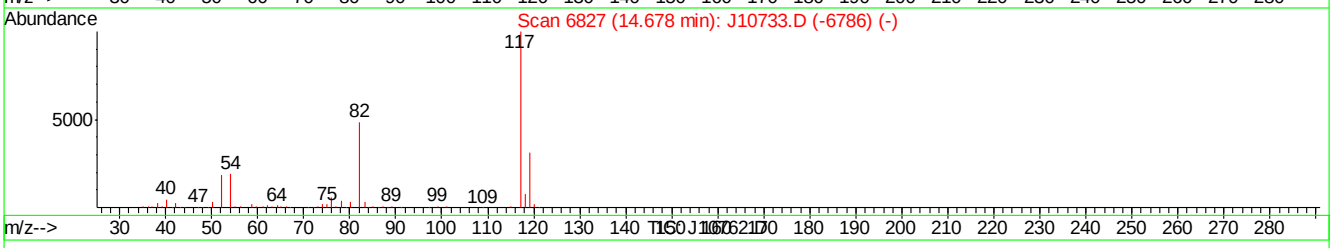
Data File : C:\MSDChem\1\data\J10762.D Vial: 3
Acq On : 25 Jun 2007 2:46 pm Operator: danat
Sample : icc557-10 (m172) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 25 15:22:12 2007 Results File: J062507T.RES

Method : C:\MSDCHEM\1\METHODS\J062507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Mon Jun 25 14:28:31 2007
Response via : Multiple Level Calibration







(49) CHLOROBENZENE-D5 (I)

14.67min 10.00PPBV m

response 1764652

Ion	Exp%	Act%
117.00	100	100
82.00	0.00	0.00
119.00	0.00	0.00
0.00	0.00	0.00

J10762.D J062507T.M Mon Jun 25 15:23:09 2007

Manual Integrations APPROVED (compounds with "m" flag)
Philip Bassignani 06/27/07 12:10

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10763.D
Acq On : 25 Jun 2007 3:34 pm
Operator : danat
Sample : ic557-5 (m172)
Misc : MS13762, MSJ557,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 25 16:23:30 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Jun 25 15:23:46 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.63	128	438436	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.44	114	2029733	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.67	117	1791020m	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.29	95	561280	4.99	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 99.80%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.07	85	714628	4.50	PPBV	99
3) PROPYLENE	4.00	41	109425	4.73	PPBV	88
4) FREON 114	4.33	85	605475	4.40	PPBV	99
5) CHLOROMETHANE	4.24	50	149527	4.36	PPBV	89
6) VINYL CHLORIDE	4.46	62	175522	4.48	PPBV	98
7) 1,3-BUTADIENE	4.58	39	130541	4.74	PPBV	96
8) BROMOMETHANE	4.87	94	201359	4.57	PPBV	99
9) CHLOROETHANE	5.04	64	80518	4.49	PPBV	99
10) TRICHLOROFLUOROMETHANE	5.80	101	720999	4.35	PPBV	99
11) ISOPROPYL ALCOHOL	5.97	45	183646	3.56	PPBV	86
12) ACETONE	5.68	43	208176	2.15	PPBV	98
13) PENTANE	6.14	42	152624	3.56	PPBV	98
14) 1,1-DICHLOROETHYLENE	6.43	96	195225	4.60	PPBV	99
15) CARBON DISULFIDE	6.85	76	570240	4.41	PPBV	99
16) ETHANOL	5.26	45	29722	3.07	PPBV #	55
17) BROMOETHENE	5.39	106	199831	4.65	PPBV	100
18) METHYLENE CHLORIDE	6.55	84	188528	2.27	PPBV	99
19) 3-CHLOROPROPENE	6.66	39	139750	4.12	PPBV	98
20) FREON 113	6.80	151	428888	4.11	PPBV	99
21) TRANS-1,2-DICHLOROETHYLENE	7.46	96	181599	4.43	PPBV	99
22) TERTIARY BUTYL ALCOHOL	6.57	59	222333	3.74	PPBV	98
23) METHYL TERTIARY BUTYL ETHE	7.75	73	364983	4.29	PPBV	98
24) TETRAHYDROFURAN	9.19	42	105474	3.97	PPBV	97
25) HEXANE	8.63	57	195078	3.71	PPBV	98
26) VINYL ACETATE	7.81	43	232109	3.93	PPBV	98
27) 1,1-DICHLOROETHANE	7.66	63	301919	4.27	PPBV	99
28) METHYL ETHYL KETONE	8.09	43	209889	3.88	PPBV	97
29) cis-1,2-DICHLOROETHYLENE	8.46	96	163543	4.16	PPBV	99
30) ETHYL ACETATE	8.70	43	228503	4.10	PPBV	98
31) CHLOROFORM	8.74	83	406387	4.03	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.68	97	471322	4.08	PPBV	99
33) CARBON TETRACHLORIDE	10.26	117	596154	4.13	PPBV	99
34) 1,2-DICHLOROETHANE	9.46	62	243904	4.23	PPBV	99
36) BENZENE	10.12	78	408870	4.27	PPBV	99
37) CYCLOHEXANE	10.37	84	203247	4.21	PPBV	99
38) TRICHLOROETHYLENE	11.11	95	221572	4.16	PPBV	99
39) 1,2-DICHLOROPROPANE	10.90	63	137660	4.22	PPBV	100
40) BROMODICHLOROMETHANE	11.09	83	386392	3.99	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.12	57	629580	4.38	PPBV	99
42) 1,4-DIOXANE	11.20	88	57106	3.07	PPBV	98
43) HEPTANE	11.36	43	204281	4.54	PPBV	98

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10763.D
Acq On : 25 Jun 2007 3:34 pm
Operator : danat
Sample : ic557-5 (m172)
Misc : MS13762, MSJ557,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 25 16:23:30 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Jun 25 15:23:46 2007
Response via : Initial Calibration

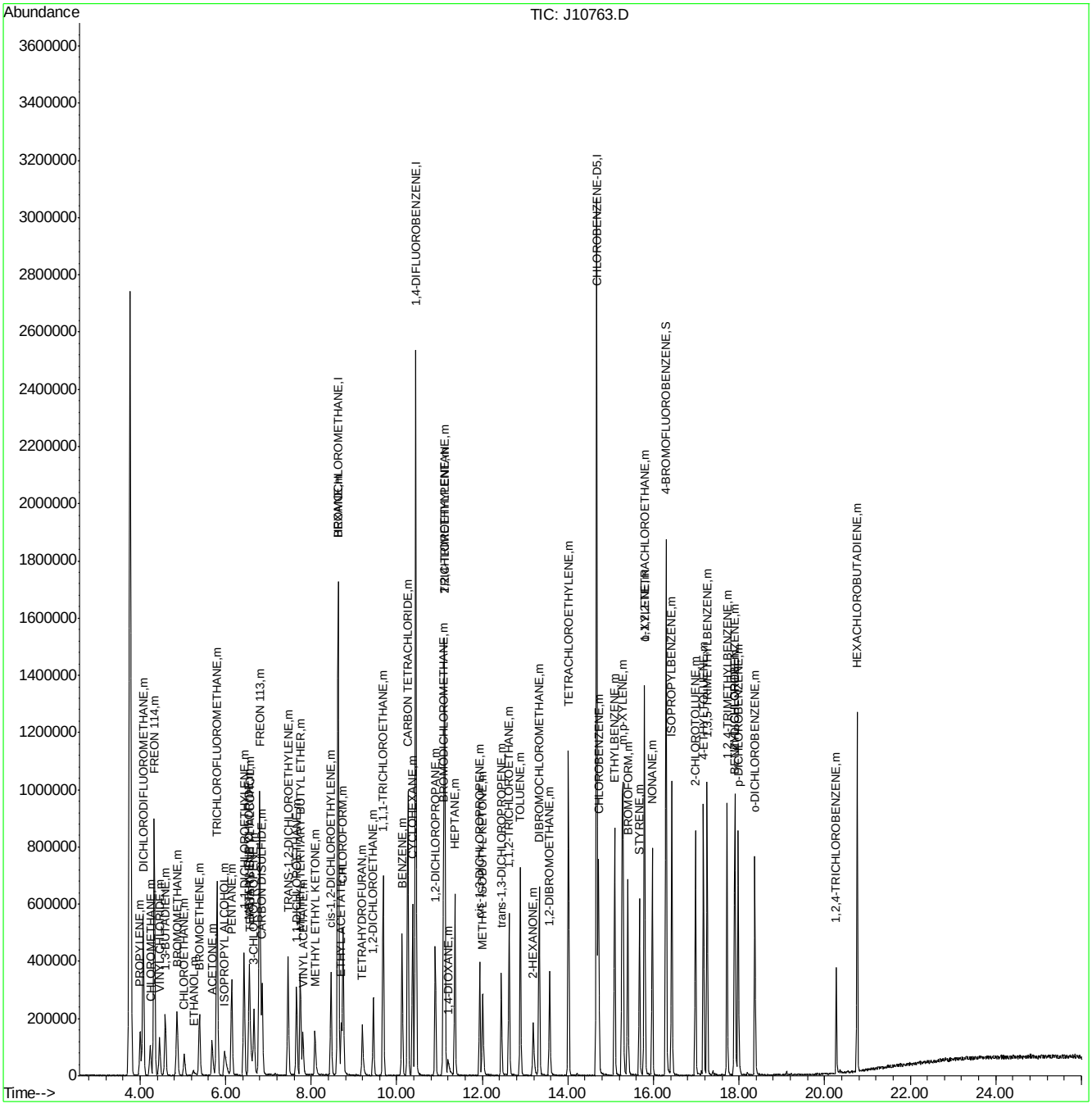
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.01	43	211276	3.49	PPBV	99
45) cis-1,3-DICHLOROPROPENE	11.94	75	196043	4.41	PPBV	98
46) TOLUENE	12.89	92	283875	4.43	PPBV	98
47) trans-1,3-DICHLOROPROPENE	12.44	75	185278	4.43	PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.63	83	146101	4.12	PPBV	99
50) 2-HEXANONE	13.19	43	164292	3.56	PPBV	100
51) TETRACHLOROETHYLENE	14.01	164	253693	4.19	PPBV	99
52) DIBROMOCHLOROMETHANE	13.33	129	376233	4.16	PPBV	99
53) 1,2-DIBROMOETHANE	13.57	107	258481	4.30	PPBV	100
54) CHLOROBENZENE	14.72	112	415160	4.34	PPBV	99
55) ETHYLBENZENE	15.09	91	602996	4.97	PPBV	100
56) m,p-XYLENE	15.27	106	500168	10.06	PPBV	95
57) o-XYLENE	15.78	106	244731	5.06	PPBV	98
58) STYRENE	15.67	104	288962	4.63	PPBV	99
59) NONANE	15.97	43	249331	4.36	PPBV	99
60) BROMOFORM	15.40	173	354581	4.04	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.80	83	310190	4.13	PPBV	99
63) ISOPROPYLBENZENE	16.43	105	674847	4.84	PPBV	99
64) 2-CHLOROTOLUENE	16.98	91	448533	4.71	PPBV	99
65) 4-ETHYLTOLUENE	17.17	105	539487	4.56	PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.26	105	524025	4.79	PPBV	98
67) 1,2,4-TRIMETHYLBENZENE	17.72	105	456188	4.67	PPBV	99
68) m-DICHLOROBENZENE	17.90	146	360966	4.73	PPBV	100
69) BENZYL CHLORIDE	17.89	91	254307	3.84	PPBV	99
70) p-DICHLOROBENZENE	17.98	146	343837	4.92	PPBV	100
71) o-DICHLOROBENZENE	18.37	146	304207	4.49	PPBV	99
72) HEXACHLOROBUTADIENE	20.76	225	206655	3.69	PPBV	98
73) 1,2,4-TRICHLOROBENZENE	20.27	180	101637	3.43	PPBV	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10763.D
Acq On : 25 Jun 2007 3:34 pm
Operator : danat
Sample : ic557-5 (m172)
Misc : MS13762, MSJ557,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 25 16:23:30 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Jun 25 15:23:46 2007
Response via : Initial Calibration



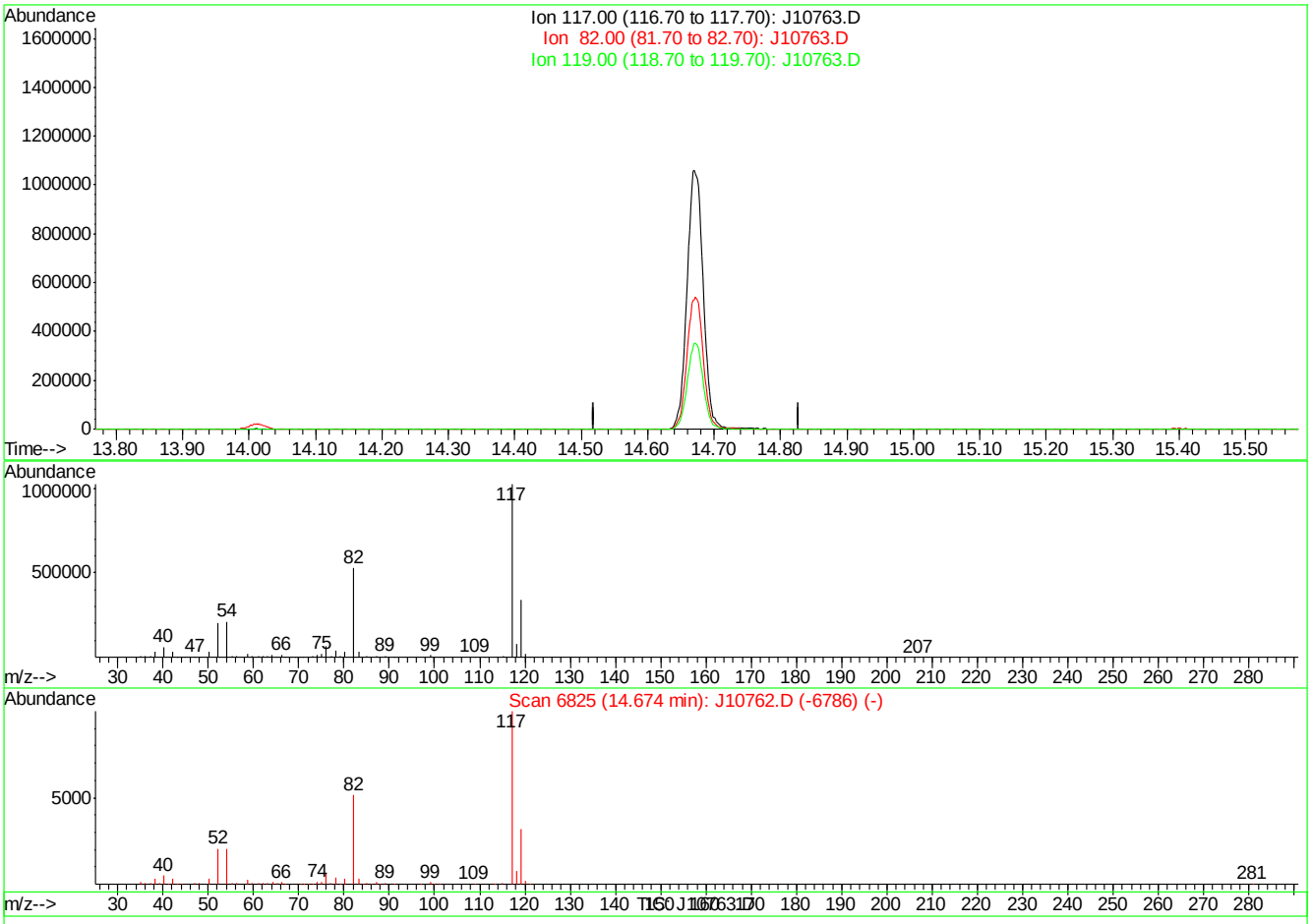
ACCUTEST Laboratories M65503

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10763.D Vial: 3
Acq On : 25 Jun 2007 3:34 pm Operator: danat
Sample : ic557-5 (m172) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 25 16:22:09 2007 Results File: J062507T.RES

Method : C:\MSDCHEM\1\METHODS\J062507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Mon Jun 25 15:23:46 2007
Response via : Multiple Level Calibration



(49) CHLOROBENZENE-D5 (I)

14.67min 0.00PPBV

response 0

Ion	Exp%	Act%
117.00	100	0.00
82.00	0.00	0.00
119.00	0.00	0.00
0.00	0.00	0.00

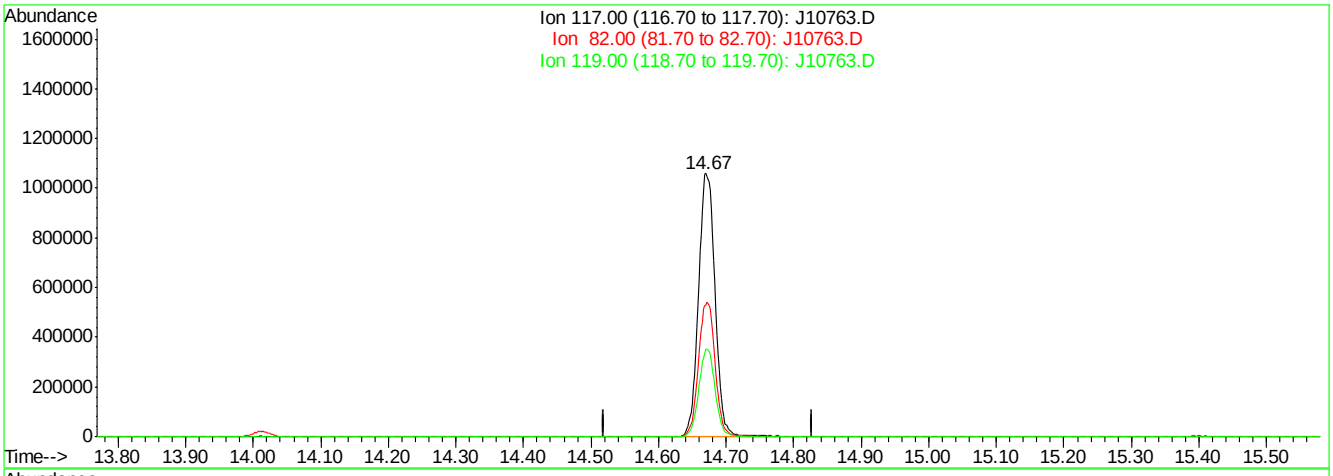
J10763.D J062507T.M Mon Jun 25 16:23:06 2007

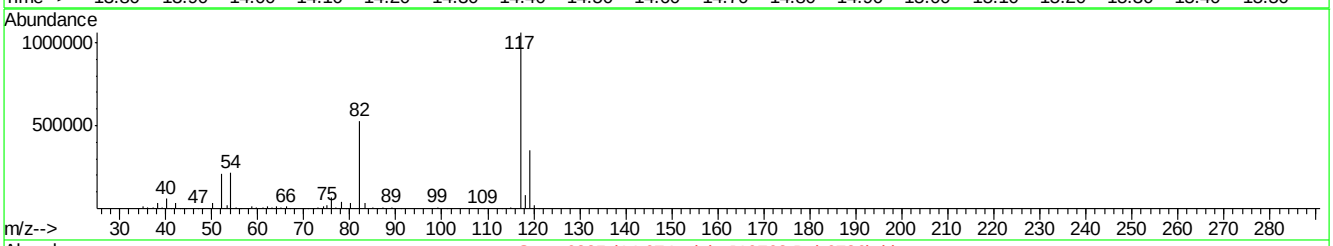
Quantitation Report (Qedit)

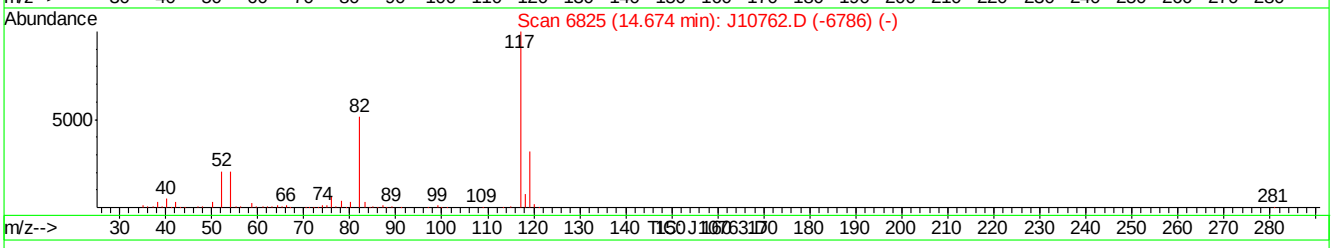
Data File : C:\MSDChem\1\data\J10763.D Vial: 3
Acq On : 25 Jun 2007 3:34 pm Operator: danat
Sample : ic557-5 (m172) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 25 16:22:09 2007 Results File: J062507T.RES

Method : C:\MSDCHEM\1\METHODS\J062507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Mon Jun 25 15:23:46 2007
Response via : Multiple Level Calibration







(49) CHLOROBENZENE-D5 (I)

14.67min 10.00PPBV m

response 1791020

Ion	Exp%	Act%
117.00	100	100
82.00	0.00	0.00
119.00	0.00	0.00
0.00	0.00	0.00

J10763.D J062507T.M Mon Jun 25 16:23:12 2007

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10765.D
Acq On : 25 Jun 2007 5:14 pm
Operator : danat
Sample : ic557-2 (m140)
Misc : MS13762, MSJ557,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 25 18:15:00 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Jun 25 17:37:45 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	416388	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.44	114	1921784	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.67	117	1702630	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.29	95	556279	5.17	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 103.40%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.07	85	296329	2.00	PPBV	99
3) PROPYLENE	4.00	41	43986	2.02	PPBV	84
4) FREON 114	4.33	85	269733	2.09	PPBV	99
5) CHLOROMETHANE	4.24	50	66645	2.08	PPBV	90
6) VINYL CHLORIDE	4.45	62	76463	2.08	PPBV	95
7) 1,3-BUTADIENE	4.59	39	53443	2.05	PPBV	92
8) BROMOMETHANE	4.86	94	89596	2.15	PPBV	100
9) CHLOROETHANE	5.03	64	37742	2.21	PPBV	98
10) TRICHLOROFLUOROMETHANE	5.79	101	330975	2.12	PPBV	99
11) ISOPROPYL ALCOHOL	5.97	45	104703	2.22	PPBV	95
12) ACETONE	5.67	43	132381	2.45	PPBV	98
13) PENTANE	6.14	42	66618	2.11	PPBV	98
14) 1,1-DICHLOROETHYLENE	6.43	96	78982	1.99	PPBV	98
15) CARBON DISULFIDE	6.85	76	243014	2.02	PPBV	97
16) ETHANOL	5.25	45	15706	2.19	PPBV	85
17) BROMOETHENE	5.38	106	79593	1.98	PPBV	99
18) METHYLENE CHLORIDE	6.55	84	185654	4.10	PPBV	97
19) 3-CHLOROPROPENE	6.66	39	64079	2.04	PPBV	96
20) FREON 113	6.79	151	210410	2.16	PPBV	99
21) TRANS-1,2-DICHLOROETHYLENE	7.46	96	78765	2.05	PPBV	98
22) TERTIARY BUTYL ALCOHOL	6.59	59	86293	1.66	PPBV #	57
23) METHYL TERTIARY BUTYL ETHE	7.74	73	165977	2.09	PPBV	95
24) TETRAHYDROFURAN	9.20	42	47795	1.98	PPBV	97
25) HEXANE	8.63	57	102346	2.12	PPBV	93
26) VINYL ACETATE	7.80	43	98463	1.86	PPBV	93
27) 1,1-DICHLOROETHANE	7.66	63	151812	2.27	PPBV	99
28) METHYL ETHYL KETONE	8.09	43	112098	2.22	PPBV	96
29) cis-1,2-DICHLOROETHYLENE	8.46	96	76910	2.10	PPBV	98
30) ETHYL ACETATE	8.70	43	114716	2.20	PPBV	96
31) CHLOROFORM	8.74	83	203922	2.17	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.68	97	247067	2.27	PPBV	99
33) CARBON TETRACHLORIDE	10.26	117	289524	2.15	PPBV	99
34) 1,2-DICHLOROETHANE	9.45	62	118636	2.19	PPBV	99
36) BENZENE	10.12	78	197180	2.19	PPBV	100
37) CYCLOHEXANE	10.37	84	80360	1.84	PPBV	99
38) TRICHLOROETHYLENE	11.11	95	107542	2.16	PPBV	96
39) 1,2-DICHLOROPROPANE	10.90	63	65755	2.16	PPBV	96
40) BROMODICHLOROMETHANE	11.08	83	189190	2.12	PPBV	97
41) 2,2,4-TRIMETHYLPENTANE	11.12	57	304219	2.24	PPBV	97
42) 1,4-DIOXANE	11.20	88	38214	2.28	PPBV	84
43) HEPTANE	11.35	43	98303	2.29	PPBV	96

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10765.D
Acq On : 25 Jun 2007 5:14 pm
Operator : danat
Sample : ic557-2 (m140)
Misc : MS13762, MSJ557,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 25 18:15:00 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Jun 25 17:37:45 2007
Response via : Initial Calibration

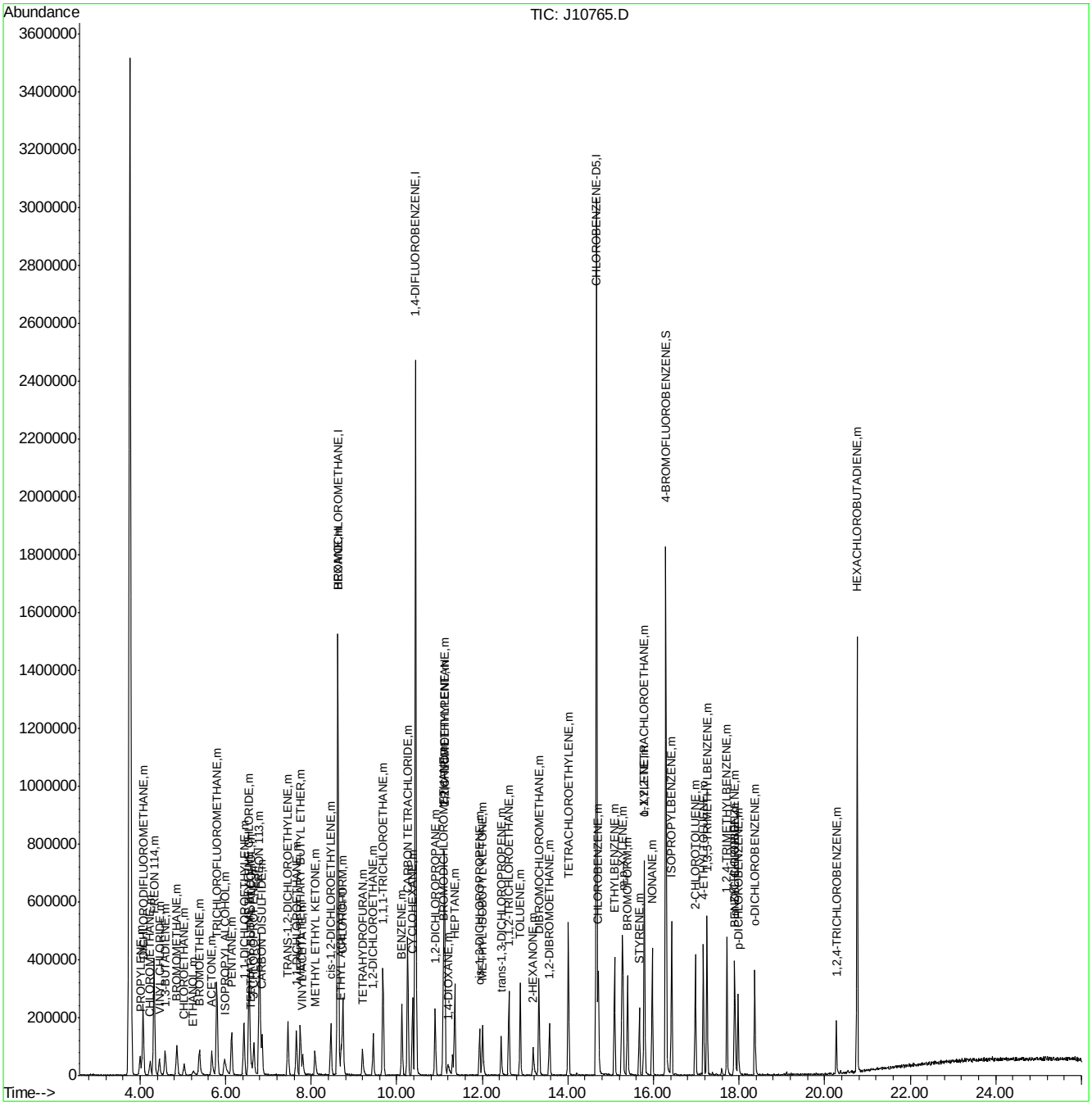
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.00	43	114732	2.11	PPBV	96
45) cis-1,3-DICHLOROPROPENE	11.94	75	78476	2.34	PPBV	98
46) TOLUENE	12.88	92	121156	2.03	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.44	75	66797	2.34	PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.62	83	69047	2.10	PPBV	99
50) 2-HEXANONE	13.19	43	78875	1.92	PPBV	91
51) TETRACHLOROETHYLENE	14.01	164	117794	2.09	PPBV	99
52) DIBROMOCHLOROMETHANE	13.32	129	178391	2.12	PPBV	99
53) 1,2-DIBROMOETHANE	13.57	107	113120	2.02	PPBV	100
54) CHLOROBENZENE	14.71	112	187368	2.09	PPBV	99
55) ETHYLBENZENE	15.09	91	250836	2.31	PPBV	99
56) m,p-XYLENE	15.28	106	214227	4.79	PPBV	89
57) o-XYLENE	15.78	106	108566	2.47	PPBV	97
58) STYRENE	15.67	104	98160	2.29	PPBV	99
59) NONANE	15.97	43	129292	2.91	PPBV	97
60) BROMOFORM	15.40	173	171039	2.10	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.79	83	177617	2.46	PPBV	97
63) ISOPROPYLBENZENE	16.42	105	322513	2.54	PPBV	98
64) 2-CHLOROTOLUENE	16.98	91	204342	2.54	PPBV	100
65) 4-ETHYLTOLUENE	17.16	105	236988	2.58	PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.25	105	266609	2.72	PPBV	98
67) 1,2,4-TRIMETHYLBENZENE	17.72	105	215214	2.68	PPBV	100
68) m-DICHLOROBENZENE	17.90	146	143005	2.57	PPBV	99
69) BENZYL CHLORIDE	17.89	91	78599	2.83	PPBV	97
70) p-DICHLOROBENZENE	17.98	146	117186	2.42	PPBV	100
71) o-DICHLOROBENZENE	18.37	146	141509	2.74	PPBV	100
72) HEXACHLOROBUTADIENE	20.76	225	252852	4.77	PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.27	180	49876	2.97	PPBV	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10765.D
Acq On : 25 Jun 2007 5:14 pm
Operator : danat
Sample : ic557-2 (m140)
Misc : MS13762, MSJ557,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 25 18:15:00 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Jun 25 17:37:45 2007
Response via : Initial Calibration



J062507T.M Mon Jun 25 18:15:08 2007 Page: 3

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10768A.D
Acq On : 26 Jun 2007 11:20 am
Operator : danat
Sample : cc557-10 (M080)
Misc : MS13762, MSJ557,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 26 11:51:48 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Jun 25 18:16:44 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.63	128	405778	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.45	114	1774169	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.68	117	1608427	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.30	95	541254	5.33	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 106.60%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.07	85	1522377	10.54	PPBV	100
3) PROPYLENE	4.00	41	243219	11.44	PPBV	97
4) FREON 114	4.33	85	1185220	9.42	PPBV	99
5) CHLOROMETHANE	4.24	50	311223	9.95	PPBV	97
6) VINYL CHLORIDE	4.46	62	351902	9.81	PPBV	100
7) 1,3-BUTADIENE	4.59	39	261957	10.32	PPBV	94
8) BROMOMETHANE	4.86	94	401363	9.86	PPBV	99
9) CHLOROETHANE	5.04	64	162806	9.80	PPBV	99
10) TRICHLOROFLUOROMETHANE	5.80	101	1451070	9.56	PPBV	100
11) ISOPROPYL ALCOHOL	5.98	45	415024	9.02	PPBV	99
12) ACETONE	5.67	43	413182	8.82	PPBV	97
13) PENTANE	6.14	42	308718	10.10	PPBV	99
14) 1,1-DICHLOROETHYLENE	6.43	96	366272	9.46	PPBV	96
15) CARBON DISULFIDE	6.86	76	1095507	9.33	PPBV	99
16) ETHANOL	5.24	45	69861	9.66	PPBV #	63
17) BROMOETHENE	5.39	106	388340	9.89	PPBV	99
18) METHYLENE CHLORIDE	6.56	84	332134	8.51	PPBV	97
19) 3-CHLOROPROPENE	6.67	39	295219	9.65	PPBV	96
20) FREON 113	6.80	151	829450	8.73	PPBV	99
21) TRANS-1,2-DICHLOROETHYLENE	7.46	96	355774	9.51	PPBV	96
22) TERTIARY BUTYL ALCOHOL	6.58	59	573470	11.34	PPBV	95
23) METHYL TERTIARY BUTYL ETHE	7.75	73	752569	9.72	PPBV	98
24) TETRAHYDROFURAN	9.19	42	230424	9.80	PPBV	96
25) HEXANE	8.64	57	388541	8.26	PPBV	97
26) VINYL ACETATE	7.81	43	444920	8.62	PPBV	97
27) 1,1-DICHLOROETHANE	7.66	63	607417	9.30	PPBV	99
28) METHYL ETHYL KETONE	8.08	43	459121	9.34	PPBV	94
29) cis-1,2-DICHLOROETHYLENE	8.47	96	333938	9.37	PPBV	98
30) ETHYL ACETATE	8.70	43	483427	9.52	PPBV	96
31) CHLOROFORM	8.75	83	848036	9.26	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.69	97	1000451	9.43	PPBV	99
33) CARBON TETRACHLORIDE	10.26	117	1328522	10.12	PPBV	100
34) 1,2-DICHLOROETHANE	9.46	62	503150	9.53	PPBV	99
36) BENZENE	10.13	78	826238	9.95	PPBV	99
37) CYCLOHEXANE	10.37	84	430955	10.71	PPBV	99
38) TRICHLOROETHYLENE	11.12	95	480147	10.46	PPBV	99
39) 1,2-DICHLOROPROPANE	10.91	63	282235	10.04	PPBV	98
40) BROMODICHLOROMETHANE	11.10	83	800209	9.69	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.12	57	1446517	11.52	PPBV	99
42) 1,4-DIOXANE	11.19	88	154868	10.03	PPBV	94
43) HEPTANE	11.36	43	449238	11.33	PPBV	99

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10768A.D
Acq On : 26 Jun 2007 11:20 am
Operator : danat
Sample : cc557-10 (M080)
Misc : MS13762, MSJ557,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 26 11:51:48 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Jun 25 18:16:44 2007
Response via : Initial Calibration

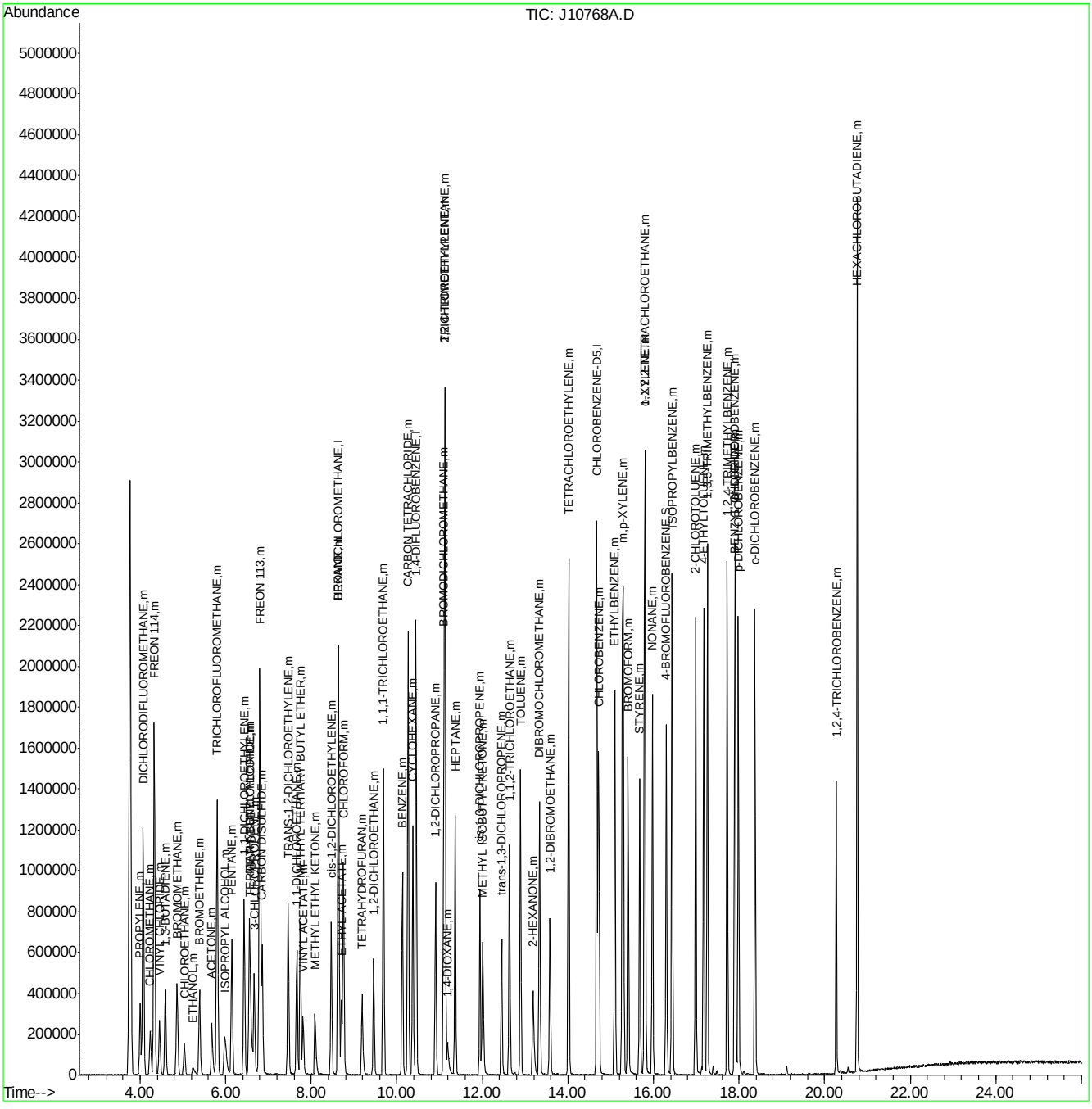
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.01	43	525462	10.45 PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.94	75	449981	9.40 PPBV	98
46) TOLUENE	12.89	92	607046	11.02 PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.45	75	363600	8.70 PPBV	98
48) 1,1,2-TRICHLOROETHANE	12.63	83	311357	10.26 PPBV	100
50) 2-HEXANONE	13.18	43	414964	10.71 PPBV	98
51) TETRACHLOROETHYLENE	14.01	164	566785	10.63 PPBV	99
52) DIBROMOCHLOROMETHANE	13.33	129	821977	10.32 PPBV	99
53) 1,2-DIBROMOETHANE	13.58	107	567087	10.73 PPBV	100
54) CHLOROBENZENE	14.72	112	903059	10.67 PPBV	99
55) ETHYLBENZENE	15.09	91	1383062	9.77 PPBV	99
56) m,p-XYLENE	15.29	106	1169778	19.85 PPBV	100
57) o-XYLENE	15.79	106	586073	9.86 PPBV	96
58) STYRENE	15.68	104	745560	9.22 PPBV	100
59) NONANE	15.97	43	633071	10.45 PPBV	99
60) BROMOFORM	15.41	173	849663	11.05 PPBV	100
62) 1,1,2,2-TETRACHLOROETHANE	15.80	83	805776	11.83 PPBV	99
63) ISOPROPYLBENZENE	16.43	105	1742787	10.23 PPBV	99
64) 2-CHLOROTOLUENE	16.99	91	1212518	10.23 PPBV	99
65) 4-ETHYLTOLUENE	17.17	105	1406510	9.08 PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.26	105	1418178	9.99 PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.72	105	1305298	9.95 PPBV	99
68) m-DICHLOROBENZENE	17.91	146	968226	10.22 PPBV	100
69) BENZYL CHLORIDE	17.89	91	741920	10.06 PPBV	100
70) p-DICHLOROBENZENE	17.99	146	905666	10.08 PPBV	99
71) o-DICHLOROBENZENE	18.37	146	889468	10.66 PPBV	99
72) HEXACHLOROBUTADIENE	20.76	225	713152	14.41 PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.27	180	368773	11.59 PPBV	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10768A.D
Acq On : 26 Jun 2007 11:20 am
Operator : danat
Sample : cc557-10 (M080)
Misc : MS13762, MSJ557,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 26 11:51:48 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Jun 25 18:16:44 2007
Response via : Initial Calibration



ACCUTEST Laboratories M65503

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10768.D
Acq On : 26 Jun 2007 11:20 am
Operator : danat
Sample : icv557-10 (M080)
Misc : MS13762, MSJ557,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 26 11:51:48 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Jun 25 18:16:44 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.63	128	405778	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.45	114	1774169	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.68	117	1608427	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.30	95	541254	5.33	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 106.60%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.07	85	1522377	10.54	PPBV	100
3) PROPYLENE	4.00	41	243219	11.44	PPBV	97
4) FREON 114	4.33	85	1185220	9.42	PPBV	99
5) CHLOROMETHANE	4.24	50	311223	9.95	PPBV	97
6) VINYL CHLORIDE	4.46	62	351902	9.81	PPBV	100
7) 1,3-BUTADIENE	4.59	39	261957	10.32	PPBV	94
8) BROMOMETHANE	4.86	94	401363	9.86	PPBV	99
9) CHLOROETHANE	5.04	64	162806	9.80	PPBV	99
10) TRICHLOROFLUOROMETHANE	5.80	101	1451070	9.56	PPBV	100
11) ISOPROPYL ALCOHOL	5.98	45	415024	9.02	PPBV	99
12) ACETONE	5.67	43	413182	8.82	PPBV	97
13) PENTANE	6.14	42	308718	10.10	PPBV	99
14) 1,1-DICHLOROETHYLENE	6.43	96	366272	9.46	PPBV	96
15) CARBON DISULFIDE	6.86	76	1095507	9.33	PPBV	99
16) ETHANOL	5.24	45	69861	9.66	PPBV #	63
17) BROMOETHENE	5.39	106	388340	9.89	PPBV	99
18) METHYLENE CHLORIDE	6.56	84	332134	8.51	PPBV	97
19) 3-CHLOROPROPENE	6.67	39	295219	9.65	PPBV	96
20) FREON 113	6.80	151	829450	8.73	PPBV	99
21) TRANS-1,2-DICHLOROETHYLENE	7.46	96	355774	9.51	PPBV	96
22) TERTIARY BUTYL ALCOHOL	6.58	59	573470	11.34	PPBV	95
23) METHYL TERTIARY BUTYL ETHE	7.75	73	752569	9.72	PPBV	98
24) TETRAHYDROFURAN	9.19	42	230424	9.80	PPBV	96
25) HEXANE	8.64	57	388541	8.26	PPBV	97
26) VINYL ACETATE	7.81	43	444920	8.62	PPBV	97
27) 1,1-DICHLOROETHANE	7.66	63	607417	9.30	PPBV	99
28) METHYL ETHYL KETONE	8.08	43	459121	9.34	PPBV	94
29) cis-1,2-DICHLOROETHYLENE	8.47	96	333938	9.37	PPBV	98
30) ETHYL ACETATE	8.70	43	483427	9.52	PPBV	96
31) CHLOROFORM	8.75	83	848036	9.26	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.69	97	1000451	9.43	PPBV	99
33) CARBON TETRACHLORIDE	10.26	117	1328522	10.12	PPBV	100
34) 1,2-DICHLOROETHANE	9.46	62	503150	9.53	PPBV	99
36) BENZENE	10.13	78	826238	9.95	PPBV	99
37) CYCLOHEXANE	10.37	84	430955	10.71	PPBV	99
38) TRICHLOROETHYLENE	11.12	95	480147	10.46	PPBV	99
39) 1,2-DICHLOROPROPANE	10.91	63	282235	10.04	PPBV	98
40) BROMODICHLOROMETHANE	11.10	83	800209	9.69	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.12	57	1446517	11.52	PPBV	99
42) 1,4-DIOXANE	11.19	88	154868	10.03	PPBV	94
43) HEPTANE	11.36	43	449238	11.33	PPBV	99

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10768.D
Acq On : 26 Jun 2007 11:20 am
Operator : danat
Sample : icv557-10 (M080)
Misc : MS13762, MSJ557,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 26 11:51:48 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Jun 25 18:16:44 2007
Response via : Initial Calibration

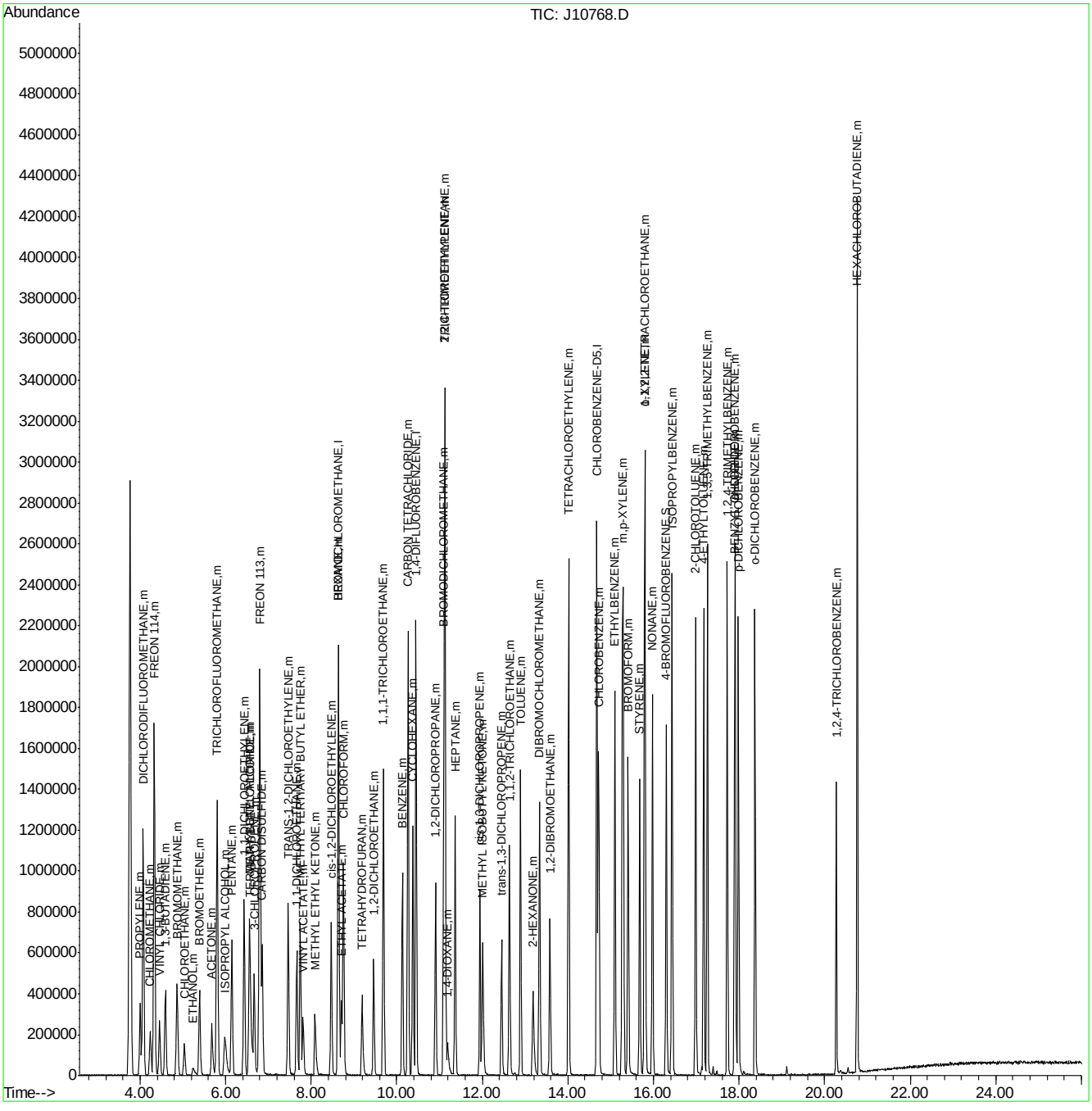
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.01	43	525462	10.45	PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.94	75	449981	9.40	PPBV	98
46) TOLUENE	12.89	92	607046	11.02	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.45	75	363600	8.70	PPBV	98
48) 1,1,2-TRICHLOROETHANE	12.63	83	311357	10.26	PPBV	100
50) 2-HEXANONE	13.18	43	414964	10.71	PPBV	98
51) TETRACHLOROETHYLENE	14.01	164	566785	10.63	PPBV	99
52) DIBROMOCHLOROMETHANE	13.33	129	821977	10.32	PPBV	99
53) 1,2-DIBROMOETHANE	13.58	107	567087	10.73	PPBV	100
54) CHLOROBENZENE	14.72	112	903059	10.67	PPBV	99
55) ETHYLBENZENE	15.09	91	1383062	9.77	PPBV	99
56) m,p-XYLENE	15.29	106	1169778	19.85	PPBV	100
57) o-XYLENE	15.79	106	586073	9.86	PPBV	96
58) STYRENE	15.68	104	745560	9.22	PPBV	100
59) NONANE	15.97	43	633071	10.45	PPBV	99
60) BROMOFORM	15.41	173	849663	11.05	PPBV	100
62) 1,1,2,2-TETRACHLOROETHANE	15.80	83	805776	11.83	PPBV	99
63) ISOPROPYLBENZENE	16.43	105	1742787	10.23	PPBV	99
64) 2-CHLOROTOLUENE	16.99	91	1212518	10.23	PPBV	99
65) 4-ETHYLTOLUENE	17.17	105	1406510	9.08	PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.26	105	1418178	9.99	PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.72	105	1305298	9.95	PPBV	99
68) m-DICHLOROBENZENE	17.91	146	968226	10.22	PPBV	100
69) BENZYL CHLORIDE	17.89	91	741920	10.06	PPBV	100
70) p-DICHLOROBENZENE	17.99	146	905666	10.08	PPBV	99
71) o-DICHLOROBENZENE	18.37	146	889468	10.66	PPBV	99
72) HEXACHLOROBUTADIENE	20.76	225	713152	14.41	PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.27	180	368773	11.59	PPBV	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10768.D
Acq On : 26 Jun 2007 11:20 am
Operator : danat
Sample : icv557-10 (M080)
Misc : MS13762, MSJ557,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 26 11:51:48 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Jun 25 18:16:44 2007
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
05/23/07 16:02

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3474.D
Acq On : 21 May 2007 5:28 pm
Operator : PhilipB
Sample : IC189-40 (M060)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 22 09:19:01 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:18:43 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.429	128	81469	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.348	114	363145	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.699	117	329063	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.336	95	130212	4.60	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 92.00%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	3.595	85	1737546	25.55	PPBV	79
3) PROPYLENE	3.524	41	158202	6.56	PPBV	90
4) FREON 114	3.861	85	1449373	20.99	PPBV #	100
5) CHLOROMETHANE	3.762	50	215217	7.09	PPBV	91
6) VINYL CHLORIDE	3.987	62	239046	9.51	PPBV	75
7) 1,3-BUTADIENE	4.124	39	501052	19.53	PPBV #	100
8) BROMOMETHANE	4.399	94	540071	24.87	PPBV #	100
9) CHLOROETHANE	4.574	64	200260	18.78	PPBV #	100
10) TRICHLOROFLUOROMETHANE	5.393	101	3772787	50.43	PPBV #	100
11) ISOPROPYL ALCOHOL	5.446	45	1112115	23.27	PPBV	97
12) ACETONE	5.187	43	1295210	30.46	PPBV	82
13) PENTANE	5.771	42	646008	27.90	PPBV #	100
14) 1,1-DICHLOROETHYLENE	6.074	96	829949	41.57	PPBV #	18
15) CARBON DISULFIDE	6.525	76	2070929	42.78	PPBV #	49
16) ETHANOL	4.677	45	153177	15.66	PPBV #	100
17) BROMOETHENE	4.945	106	727722	33.06	PPBV #	100
18) METHYLENE CHLORIDE	6.198	84	678503	29.90	PPBV #	1
19) 3-CHLOROPROPENE	6.324	39	1028506	53.03	PPBV #	1
20) FREON 113	6.472	151	2880550	81.72	PPBV #	100
21) TRANS-1,2-DICHLOROETHY...	7.183	96	897677	51.90	PPBV #	100
22) TERTIARY BUTYL ALCOHOL	6.094	59	1346505	31.59	PPBV #	100
23) METHYL TERTIARY BUTYL ...	7.446	73	2135079	53.62	PPBV #	100
24) TETRAHYDROFURAN	8.954	42	537410	21.89	PPBV #	100
25) HEXANE	8.461	57	629668	23.50	PPBV #	100
26) VINYL ACETATE	7.538	43	2107316	47.83	PPBV	92
27) 1,1-DICHLOROETHANE	7.396	63	1527322	43.76	PPBV #	100
28) METHYL ETHYL KETONE	7.796	43	1257602	25.80	PPBV	95
29) cis-1,2-DICHLOROETHYLENE	8.253	96	536997	40.87	PPBV #	100
30) ETHYL ACETATE	8.465	43	1930774	24.23	PPBV	100
31) CHLOROFORM	8.557	83	1552888	42.02	PPBV #	100
32) 1,1,1-TRICHLOROETHANE	9.553	97	1836835	49.35	PPBV	96
33) CARBON TETRACHLORIDE	10.161	117	2222203	54.44	PPBV	97
34) 1,2-DICHLOROETHANE	9.302	62	1090353	36.58	PPBV	99
36) BENZENE	10.014	78	1619573	42.92	PPBV	99
37) CYCLOHEXANE	10.287	84	502688	39.76	PPBV	86
38) TRICHLOROETHYLENE	11.054	95	956995	46.53	PPBV	94
39) 1,2-DICHLOROPROPANE	10.825	63	505699	28.14	PPBV #	76
40) BROMODICHLOROMETHANE	11.017	83	1727874	49.35	PPBV	98
41) 2,2,4-TRIMETHYLPENTANE	11.081	57	2462969	27.95	PPBV #	94
42) 1,4-DIOXANE	11.042	88	294060	42.92	PPBV	84
43) HEPTANE	11.327	43	937861	24.88	PPBV	89

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3474.D
Acq On : 21 May 2007 5:28 pm
Operator : PhilipB
Sample : IC189-40 (M060)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 22 09:19:01 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:18:43 2007
Response via : Initial Calibration

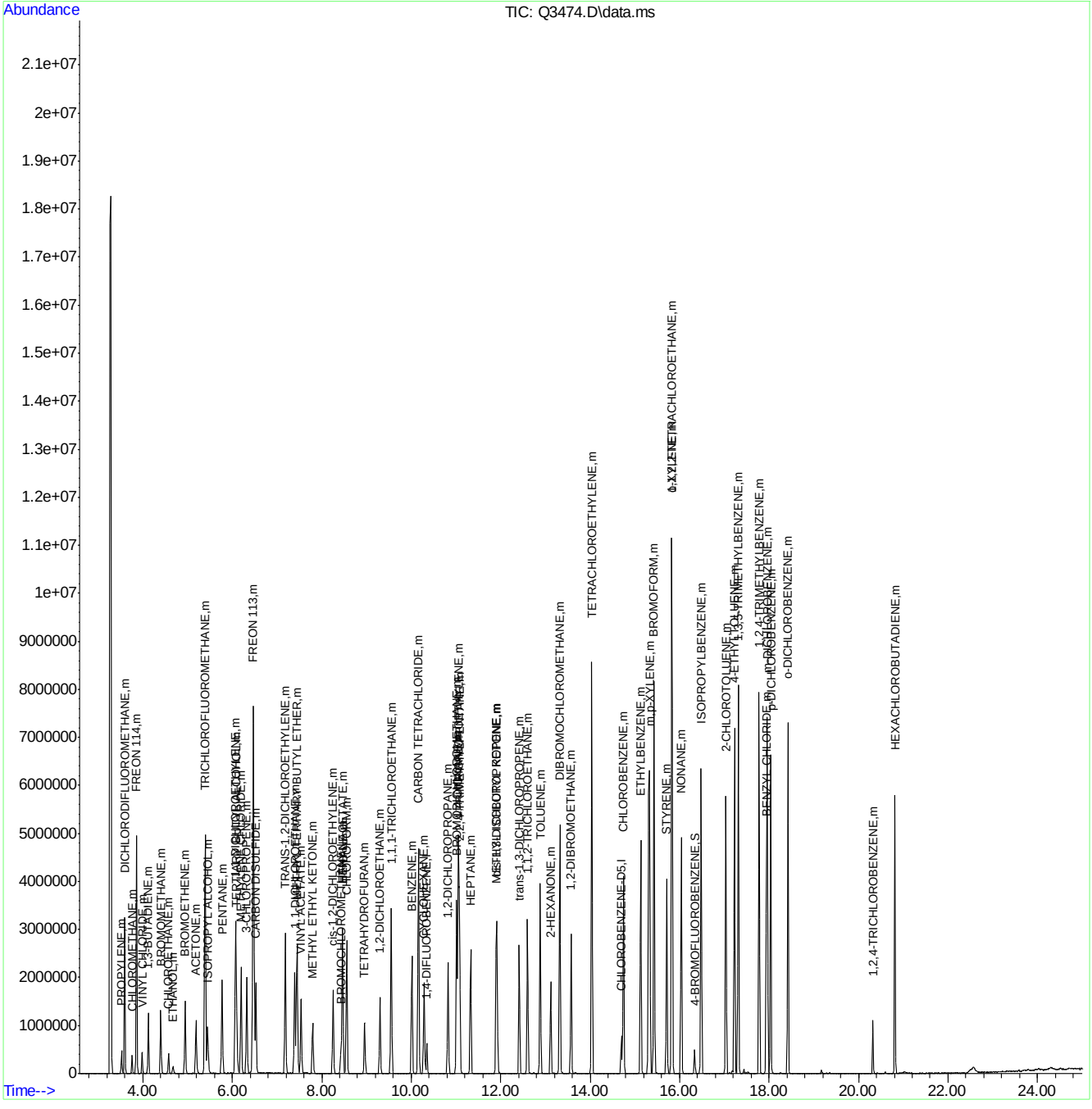
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.920	43	1498048	27.64	PPBV	95
45) cis-1,3-DICHLOROPROPENE	11.899	75	943855	39.44	PPBV	87
46) TOLUENE	12.886	92	1278572	51.25	PPBV	98
47) trans-1,3-DICHLOROPROPENE	12.417	75	1031995	50.19	PPBV #	99
48) 1,1,2-TRICHLOROETHANE	12.600	83	629189	41.64	PPBV	94
50) 2-HEXANONE	13.120	43	1261616	27.09	PPBV	94
51) TETRACHLOROETHYLENE	14.039	164	1315752	93.85	PPBV	90
52) DIBROMOCHLOROMETHANE	13.324	129	2175635	66.52	PPBV	99
53) 1,2-DIBROMOETHANE	13.576	107	1417194	49.85	PPBV	97
54) CHLOROBENZENE	14.744	112	1625383	46.65	PPBV	99
55) ETHYLBENZENE	15.129	91	2935380	47.99	PPBV	96
56) m,p-XYLENE	15.333	106	2488248m	110.64	PPBV	
57) o-XYLENE	15.834	106	1284521	55.25	PPBV	91
58) STYRENE	15.713	104	1518546	52.18	PPBV	96
59) NONANE	16.039	43	1708218	27.64	PPBV	91
60) BROMOFORM	15.427	173	3088395	120.12	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.823	83	2152516	52.21	PPBV	97
63) ISOPROPYLBENZENE	16.483	105	3527536	52.27	PPBV	96
64) 2-CHLOROTOLUENE	17.037	91	2553635	48.48	PPBV	94
65) 4-ETHYLTOLUENE	17.227	105	3537030	59.58	PPBV	94
66) 1,3,5-TRIMETHYLBENZENE	17.314	105	3506042	60.95	PPBV	94
67) 1,2,4-TRIMETHYLBENZENE	17.780	105	3325742	61.04	PPBV	93
68) m-DICHLOROBENZENE	17.961	146	2144327	67.28	PPBV	97
69) BENZYL CHLORIDE	17.938	91	2025616	54.63	PPBV	95
70) p-DICHLOROBENZENE	18.036	146	1859914	63.33	PPBV	98
71) o-DICHLOROBENZENE	18.423	146	1946675	68.21	PPBV	100
72) HEXACHLOROBUTADIENE	20.812	225	618217	52.60	PPBV	98
73) 1,2,4-TRICHLOROBENZENE	20.322	180	181305	30.38	PPBV	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3474.D
Acq On : 21 May 2007 5:28 pm
Operator : PhilipB
Sample : IC189-40 (M060)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 22 09:19:01 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:18:43 2007
Response via : Initial Calibration



Quantitation Report (Qedit)

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Data Path : C:\msdchem\1\DATA\
Data File : Q3474.D
Acq On    : 21 May 2007   5:28 pm
Operator  : PhilipB
Sample    : IC189-40 (M060)
Misc      : MS13602,MSQ189,,,,,1
ALS Vial  : 3   Sample Multiplier: 1

Quant Time: May 22 09:18:49 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:18:43 2007
Response via : Initial Calibration
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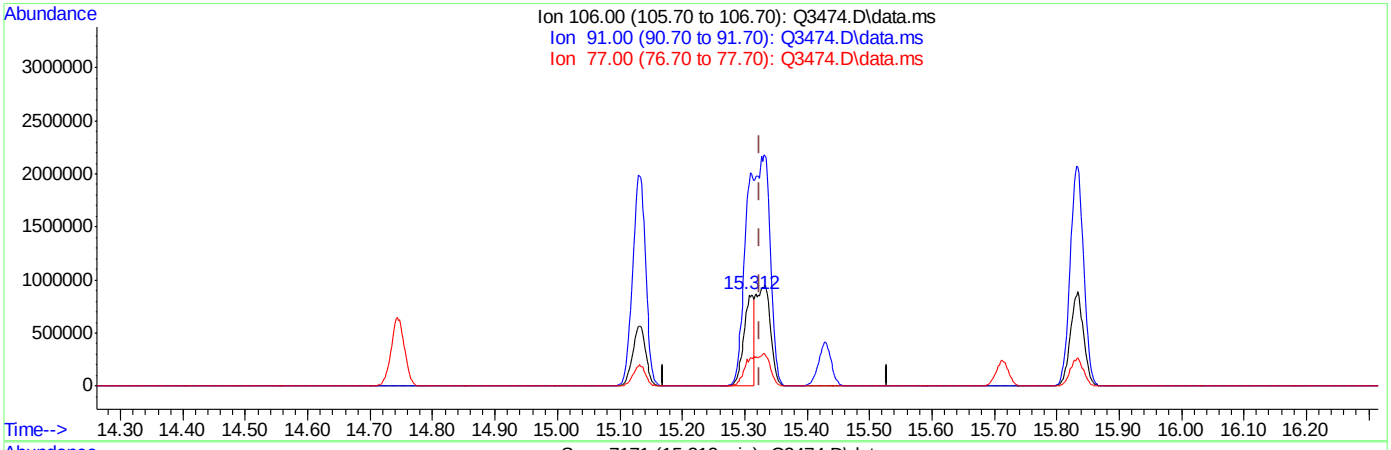
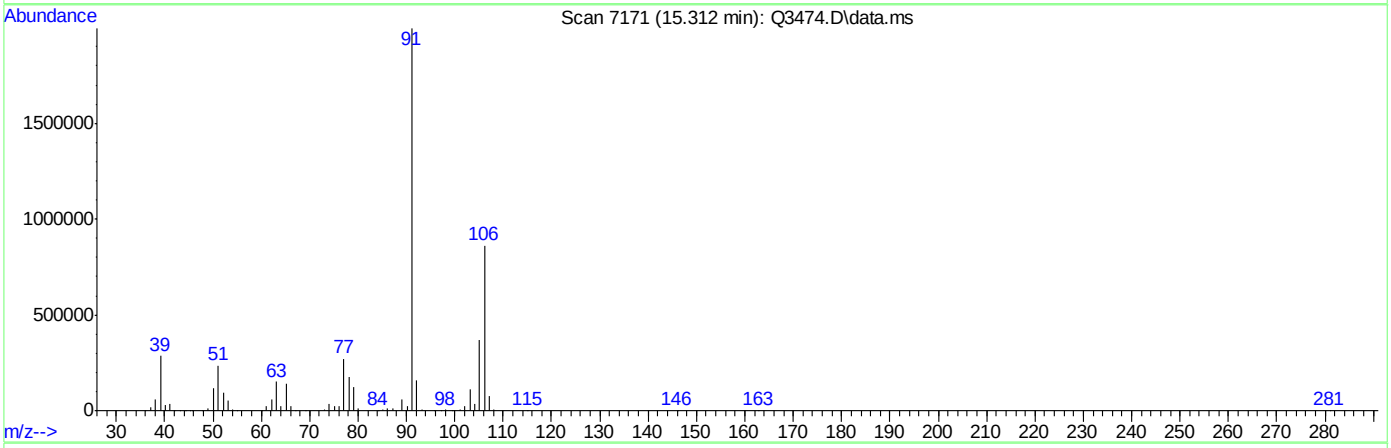




TIC: Q3474.D\data.ms

(56) m,p-XYLENE (m)

15.312min (-0.013) 43.61PPBV

response 980741

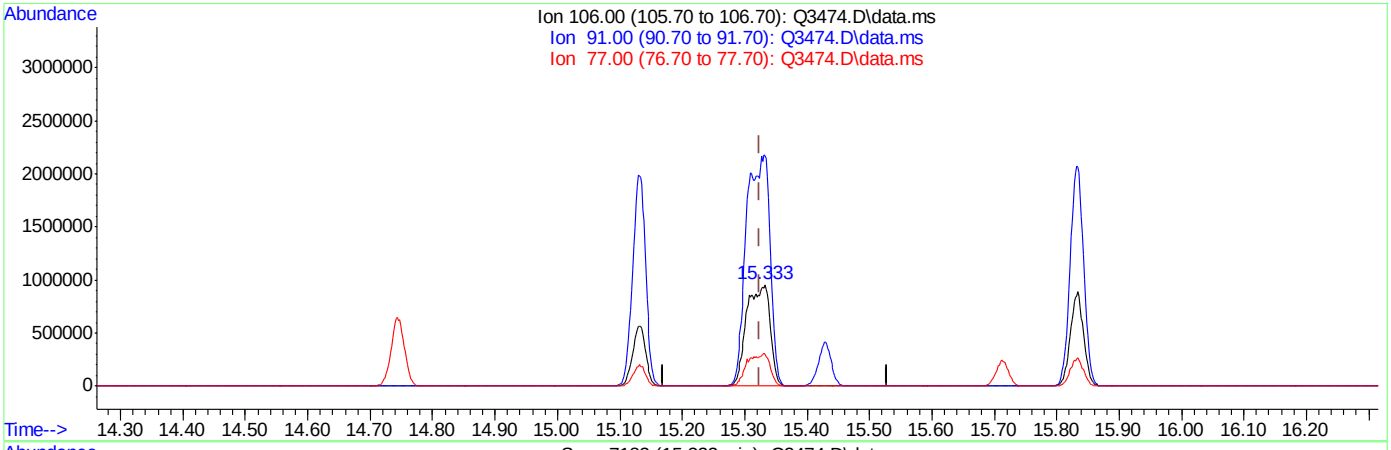
Ion	Exp%	Act%
106.00	100	100
91.00	204.20	231.51
77.00	30.60	31.54
0.00	0.00	0.00

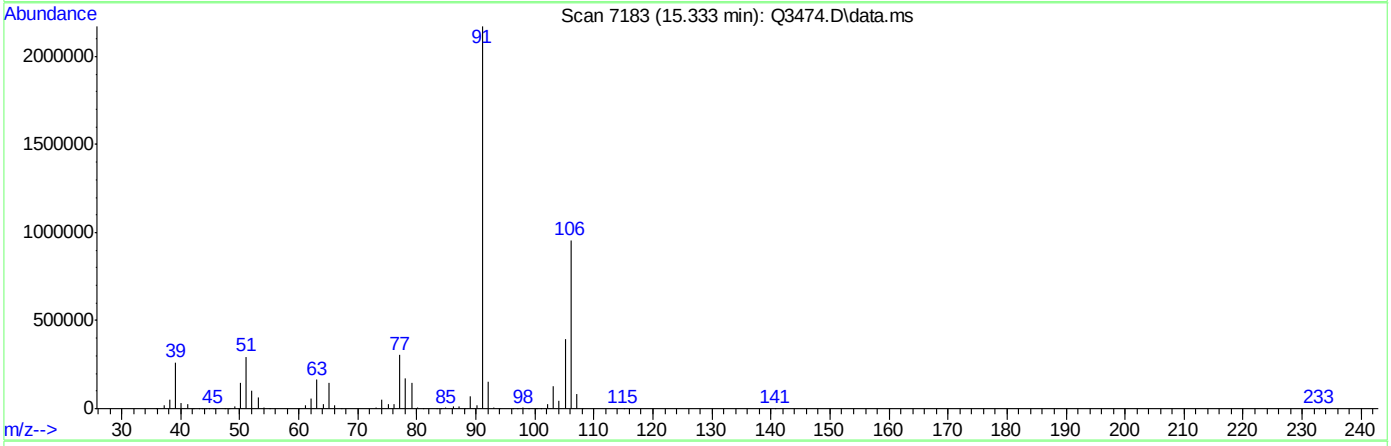
ACCUTEST Laboratories M65503

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3474.D
Acq On : 21 May 2007 5:28 pm
Operator : PhilipB
Sample : IC189-40 (M060)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 22 09:18:49 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:18:43 2007
Response via : Initial Calibration





TIC: Q3474.D\data.ms

(56) m,p-XYLENE (m)

15.333min (+0.009) 110.64PPBV m

response 2488248

Ion	Exp%	Act%
106.00	100	100
91.00	204.20	227.27
77.00	30.60	31.75
0.00	0.00	0.00

ACCUTEST Laboratories M65503

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3475.D
Acq On : 21 May 2007 6:09 pm
Operator : PhilipB
Sample : IC189-20 (M060)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 22 09:19:26 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:19:22 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.431	128	79073	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.350	114	373198	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.696	117	314580	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.334	95	126115	5.07	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 101.40%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	3.604	85	1559397	36.99	PPBV	82
3) PROPYLENE	3.529	41	258374	67.31	PPBV	94
4) FREON 114	3.866	85	1442257	41.01	PPBV #	100
5) CHLOROMETHANE	3.767	50	327897	62.79	PPBV	96
6) VINYL CHLORIDE	3.991	62	337616	58.21	PPBV	75
7) 1,3-BUTADIENE	4.129	39	361004	29.69	PPBV #	100
8) BROMOMETHANE	4.408	94	388085	29.61	PPBV #	100
9) CHLOROETHANE	4.582	64	140801	28.98	PPBV #	100
10) TRICHLOROFLUOROMETHANE	5.400	101	2347346	25.64	PPBV #	100
11) ISOPROPYL ALCOHOL	5.451	45	651720	24.15	PPBV	93
12) ACETONE	5.198	43	729597	23.21	PPBV	81
13) PENTANE	5.774	42	376333	24.01	PPBV #	100
14) 1,1-DICHLOROETHYLENE	6.078	96	496247	24.64	PPBV #	23
15) CARBON DISULFIDE	6.532	76	1177531	23.43	PPBV #	51
16) ETHANOL	4.683	45	112171	30.18	PPBV #	100
17) BROMOETHENE	4.953	106	409353	23.18	PPBV #	100
18) METHYLENE CHLORIDE	6.204	84	406963	24.72	PPBV #	1
19) 3-CHLOROPROPENE	6.328	39	586065	23.48	PPBV #	1
20) FREON 113	6.477	151	1598642	22.87	PPBV #	100
21) TRANS-1,2-DICHLOROETHY...	7.191	96	493448	22.65	PPBV #	100
22) TERTIARY BUTYL ALCOHOL	6.097	59	910285	27.86	PPBV #	100
23) METHYL TERTIARY BUTYL ...	7.451	73	1142149	22.05	PPBV #	100
24) TETRAHYDROFURAN	8.960	42	275430	21.12	PPBV #	100
25) HEXANE	8.465	57	313897	20.54	PPBV #	100
26) VINYL ACETATE	7.542	43	1069665	20.92	PPBV	89
27) 1,1-DICHLOROETHANE	7.400	63	845256	22.81	PPBV #	100
28) METHYL ETHYL KETONE	7.798	43	571821	18.74	PPBV	96
29) cis-1,2-DICHLOROETHYLENE	8.254	96	257945	19.80	PPBV #	100
30) ETHYL ACETATE	8.468	43	942228	20.11	PPBV	100
31) CHLOROFORM	8.557	83	728051	19.32	PPBV #	100
32) 1,1,1-TRICHLOROETHANE	9.556	97	849362	19.06	PPBV	95
33) CARBON TETRACHLORIDE	10.165	117	1031273	19.13	PPBV	99
34) 1,2-DICHLOROETHANE	9.303	62	489626	18.51	PPBV	99
36) BENZENE	10.018	78	709427	17.05	PPBV	98
37) CYCLOHEXANE	10.288	84	247559	19.17	PPBV #	84
38) TRICHLOROETHYLENE	11.054	95	438116	17.82	PPBV	92
39) 1,2-DICHLOROPROPANE	10.824	63	244313	18.80	PPBV #	76
40) BROMODICHLOROMETHANE	11.015	83	784707	17.68	PPBV	98
41) 2,2,4-TRIMETHYLPENTANE	11.079	57	1130562	17.87	PPBV #	92
42) 1,4-DIOXANE	11.042	88	136874	18.12	PPBV	88
43) HEPTANE	11.329	43	446259	18.52	PPBV	87

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3475.D
Acq On : 21 May 2007 6:09 pm
Operator : PhilipB
Sample : IC189-20 (M060)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 22 09:19:26 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:19:22 2007
Response via : Initial Calibration

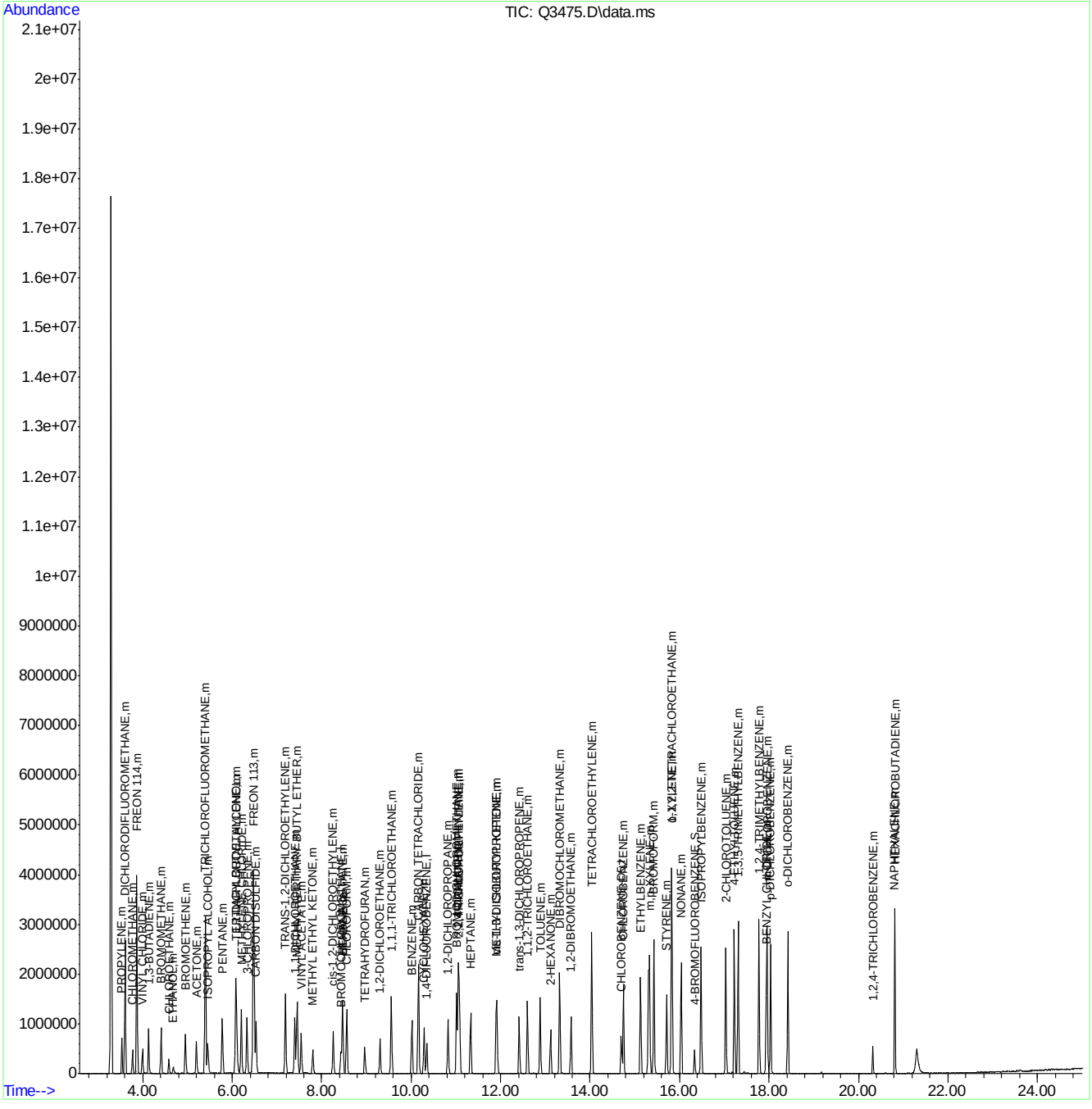
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.919	43	711054	18.47	PPBV	94
45) cis-1,3-DICHLOROPROPENE	11.897	75	414510	17.09	PPBV #	85
46) TOLUENE	12.886	92	513007	15.62	PPBV	98
47) trans-1,3-DICHLOROPROPENE	12.412	75	423786	15.98	PPBV #	100
48) 1,1,2-TRICHLOROETHANE	12.600	83	300320	18.58	PPBV	93
50) 2-HEXANONE	13.117	43	592008	19.63	PPBV	94
51) TETRACHLOROETHYLENE	14.038	164	438134	13.93	PPBV	98
52) DIBROMOCHLOROMETHANE	13.321	129	857681	16.49	PPBV	99
53) 1,2-DIBROMOETHANE	13.573	107	589246	17.40	PPBV	97
54) CHLOROBENZENE	14.742	112	745379	19.19	PPBV	99
55) ETHYLBENZENE	15.131	91	1247122	17.78	PPBV	96
56) m,p-XYLENE	15.326	106	962628	32.37	PPBV	95
57) o-XYLENE	15.830	106	497476	16.20	PPBV	92
58) STYRENE	15.713	104	638810	17.60	PPBV	97
59) NONANE	16.034	43	792542	19.41	PPBV	92
60) BROMOFORM	15.424	173	1007947	13.66	PPBV	98
62) 1,1,2,2-TETRACHLOROETHANE	15.821	83	839883	16.33	PPBV	97
63) ISOPROPYLBENZENE	16.482	105	1430951	16.97	PPBV	96
64) 2-CHLOROTOLUENE	17.033	91	1106244	18.13	PPBV	94
65) 4-ETHYLTOLUENE	17.223	105	1412515	16.71	PPBV	95
66) 1,3,5-TRIMETHYLBENZENE	17.309	105	1365266	16.29	PPBV	94
67) 1,2,4-TRIMETHYLBENZENE	17.775	105	1294677	16.29	PPBV	94
68) m-DICHLOROBENZENE	17.958	146	801845	15.65	PPBV	97
69) BENZYL CHLORIDE	17.935	91	825491	17.05	PPBV	95
70) p-DICHLOROBENZENE	18.033	146	699538	15.74	PPBV	99
71) o-DICHLOROBENZENE	18.420	146	751956	16.16	PPBV	98
72) HEXACHLOROBUTADIENE	20.814	225	341350	23.10	PPBV	97
73) 1,2,4-TRICHLOROBENZENE	20.320	180	86631	19.99	PPBV	97
74) NAPHTHALENE	20.800	128	159	120.96	PPBV #	1

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3475.D
Acq On : 21 May 2007 6:09 pm
Operator : PhilipB
Sample : IC189-20 (M060)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 3 Sample Multiplier: 1

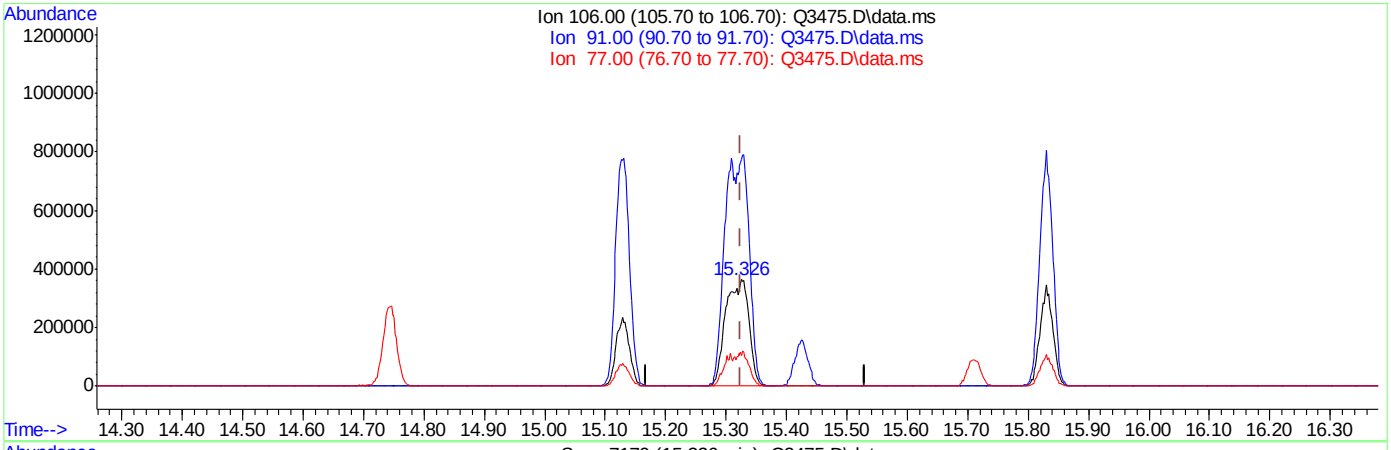
Quant Time: May 22 09:19:26 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:19:22 2007
Response via : Initial Calibration

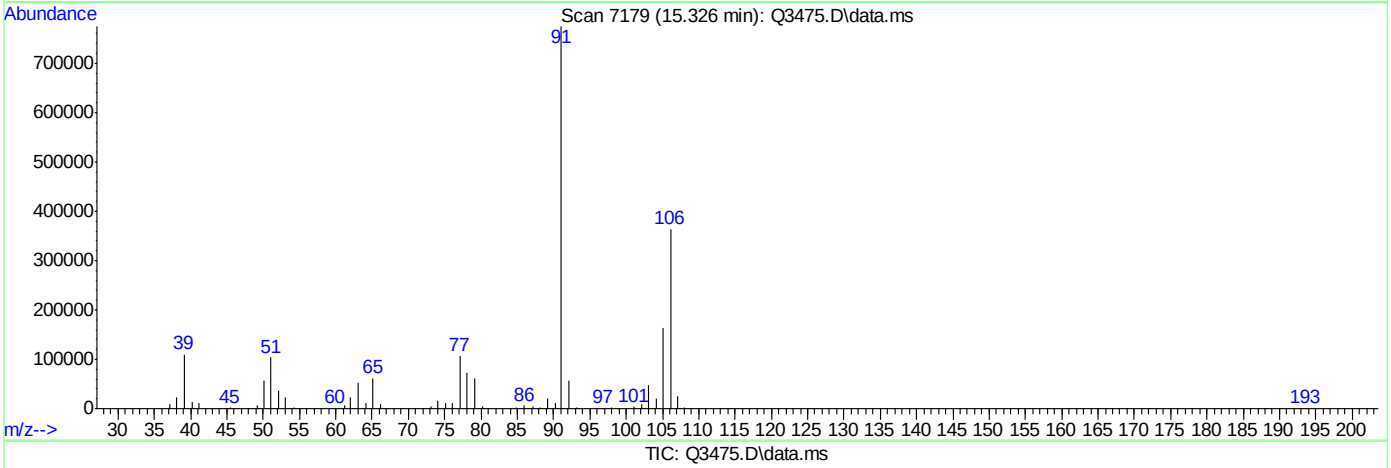


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3475.D
Acq On : 21 May 2007 6:09 pm
Operator : PhilipB
Sample : IC189-20 (M060)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 22 09:19:26 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:19:22 2007
Response via : Initial Calibration





TIC: Q3475.D\data.ms

(56) m,p-XYLENE (m)

15.326min (+0.002) 32.37PPBV

response 962628

Ion	Exp%	Act%
106.00	100	100
91.00	204.20	212.69
77.00	30.60	29.11
0.00	0.00	0.00

ACCUTEST Laboratories M65503

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3476.D
Acq On : 21 May 2007 6:52 pm
Operator : PhilipB
Sample : ICC189-10 (M060)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 22 09:20:19 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:19:48 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.429	128	78900	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.348	114	358303	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.696	117	293813	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.334	95	121552	5.19	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 103.80%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	3.604	85	721438	12.04	PPBV	81
3) PROPYLENE	3.533	41	99375	11.89	PPBV	92
4) FREON 114	3.866	85	629762	11.77	PPBV #	100
5) CHLOROMETHANE	3.772	50	145411	13.48	PPBV	97
6) VINYL CHLORIDE	3.992	62	148255	13.10	PPBV	74
7) 1,3-BUTADIENE	4.133	39	161652	10.73	PPBV #	100
8) BROMOMETHANE	4.409	94	164440	10.14	PPBV #	100
9) CHLOROETHANE	4.582	64	60940	10.27	PPBV #	100
10) TRICHLOROFLUOROMETHANE	5.400	101	894899	8.59	PPBV #	100
11) ISOPROPYL ALCOHOL	5.451	45	290379	9.77	PPBV	90
12) ACETONE	5.197	43	331152	9.77	PPBV	82
13) PENTANE	5.781	42	153804	8.94	PPBV #	100
14) 1,1-DICHLOROETHYLENE	6.076	96	199409	8.89	PPBV #	19
15) CARBON DISULFIDE	6.532	76	531375	9.76	PPBV #	50
16) ETHANOL	4.681	45	41309	8.88	PPBV #	100
17) BROMOETHENE	4.952	106	173903	9.14	PPBV #	100
18) METHYLENE CHLORIDE	6.202	84	180867	9.85	PPBV #	1
19) 3-CHLOROPROPENE	6.326	39	256567	9.48	PPBV #	6
20) FREON 113	6.475	151	677252	9.06	PPBV #	100
21) TRANS-1,2-DICHLOROETHY...	7.185	96	233666	10.08	PPBV #	100
22) TERTIARY BUTYL ALCOHOL	6.092	59	374431	9.60	PPBV #	100
23) METHYL TERTIARY BUTYL ...	7.451	73	534445	9.84	PPBV #	100
24) TETRAHYDROFURAN	8.958	42	118484	8.86	PPBV #	100
25) HEXANE	8.459	57	136909	8.86	PPBV #	100
26) VINYL ACETATE	7.540	43	491010	9.41	PPBV	89
27) 1,1-DICHLOROETHANE	7.400	63	386735	9.77	PPBV #	100
28) METHYL ETHYL KETONE	7.797	43	261807	8.88	PPBV	98
29) cis-1,2-DICHLOROETHYLENE	8.257	96	113182	8.75	PPBV #	100
30) ETHYL ACETATE	8.467	43	411667	8.78	PPBV	100
31) CHLOROFORM	8.555	83	324558	8.78	PPBV #	100
32) 1,1,1-TRICHLOROETHANE	9.554	97	361416	8.32	PPBV	95
33) CARBON TETRACHLORIDE	10.163	117	463699	8.81	PPBV	97
34) 1,2-DICHLOROETHANE	9.301	62	225316	8.87	PPBV	97
36) BENZENE	10.012	78	292630	7.91	PPBV	99
37) CYCLOHEXANE	10.289	84	113567	9.35	PPBV	85
38) TRICHLOROETHYLENE	11.051	95	181382	8.13	PPBV	91
39) 1,2-DICHLOROPROPANE	10.823	63	108393	8.96	PPBV #	78
40) BROMODICHLOROMETHANE	11.012	83	339259	8.45	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.079	57	469659	8.17	PPBV	94
42) 1,4-DIOXANE	11.045	88	54665	7.91	PPBV #	71
43) HEPTANE	11.326	43	198075	8.89	PPBV	87

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3476.D
Acq On : 21 May 2007 6:52 pm
Operator : PhilipB
Sample : ICC189-10 (M060)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 22 09:20:19 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:19:48 2007
Response via : Initial Calibration

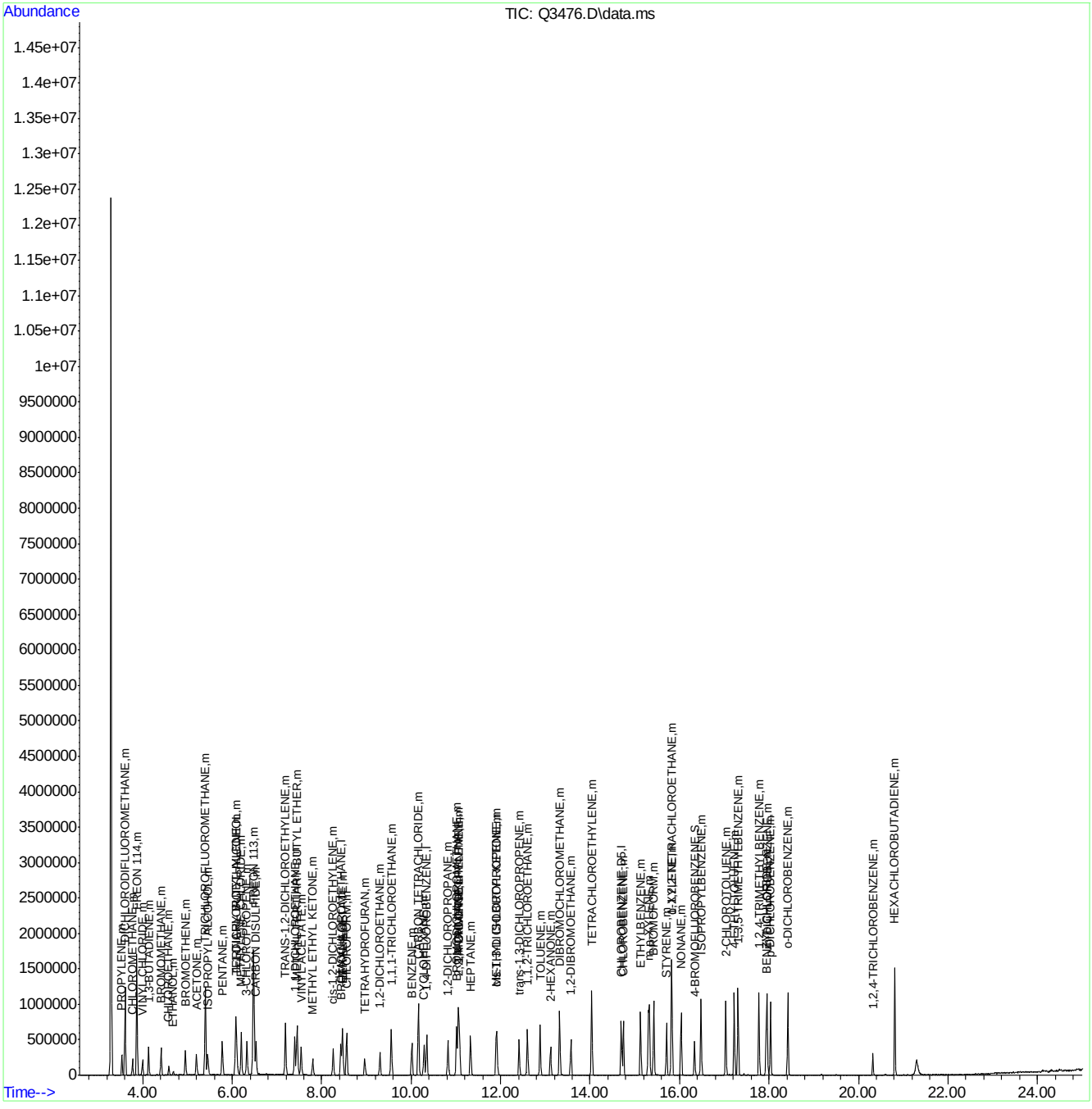
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.917	43	294596	8.29	PPBV	93
45) cis-1,3-DICHLOROPROPENE	11.897	75	168271	7.79	PPBV #	81
46) TOLUENE	12.882	92	222443	7.92	PPBV	98
47) trans-1,3-DICHLOROPROPENE	12.415	75	174032	7.60	PPBV #	99
48) 1,1,2-TRICHLOROETHANE	12.602	83	129318	8.64	PPBV	92
50) 2-HEXANONE	13.115	43	249732	8.95	PPBV	93
51) TETRACHLOROETHYLENE	14.036	164	168271	6.75	PPBV	98
52) DIBROMOCHLOROMETHANE	13.317	129	369635	8.34	PPBV	99
53) 1,2-DIBROMOETHANE	13.573	107	246938	8.35	PPBV	96
54) CHLOROBENZENE	14.742	112	295273	8.31	PPBV	99
55) ETHYLBENZENE	15.125	91	534302	8.63	PPBV	96
56) m,p-XYLENE	15.326	106	403255	16.05	PPBV	88
57) o-XYLENE	15.830	106	196577	7.57	PPBV	89
58) STYRENE	15.708	104	270170	8.48	PPBV	98
59) NONANE	16.032	43	318479	8.48	PPBV	90
60) BROMOFORM	15.424	173	387084	6.67	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.814	83	351981	8.07	PPBV	97
63) ISOPROPYLBENZENE	16.478	105	599244	8.23	PPBV	97
64) 2-CHLOROTOLUENE	17.032	91	440419	8.11	PPBV	93
65) 4-ETHYLTOLUENE	17.223	105	569587	7.86	PPBV	95
66) 1,3,5-TRIMETHYLBENZENE	17.308	105	568927	8.01	PPBV	93
67) 1,2,4-TRIMETHYLBENZENE	17.773	105	494695	7.35	PPBV	93
68) m-DICHLOROBENZENE	17.956	146	307003	7.20	PPBV	96
69) BENZYL CHLORIDE	17.937	91	333160	7.95	PPBV	94
70) p-DICHLOROBENZENE	18.029	146	281636	7.59	PPBV	97
71) o-DICHLOROBENZENE	18.419	146	294740	7.50	PPBV	97
72) HEXACHLOROBUTADIENE	20.810	225	155576	10.46	PPBV	97
73) 1,2,4-TRICHLOROBENZENE	20.324	180	50143	12.39	PPBV	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3476.D
Acq On : 21 May 2007 6:52 pm
Operator : PhilipB
Sample : ICC189-10 (M060)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 22 09:20:19 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:19:48 2007
Response via : Initial Calibration



ACCUTEST Laboratories M65503

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 05/23/07 16:02

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3477.D
Acq On : 21 May 2007 7:34 pm
Operator : PhilipB
Sample : IC189-5 (M060)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 22 09:20:55 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:20:32 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.428	128	71655	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.346	114	344891	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.693	117	288502	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.332	95	114436	4.92	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 98.40%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	3.604	85	245293	4.22	PPBV	81
3) PROPYLENE	3.536	41	36629	4.54	PPBV	89
4) FREON 114	3.868	85	217095	4.22	PPBV #	100
5) CHLOROMETHANE	3.772	50	50162	4.59	PPBV	96
6) VINYL CHLORIDE	3.991	62	53620	4.73	PPBV	73
7) 1,3-BUTADIENE	4.129	39	62303	4.44	PPBV #	100
8) BROMOMETHANE	4.406	94	60570	4.09	PPBV #	100
9) CHLOROETHANE	4.583	64	24781	4.56	PPBV #	100
10) TRICHLOROFLUOROMETHANE	5.400	101	337651	3.74	PPBV #	100
11) ISOPROPYL ALCOHOL	5.453	45	107240	4.00	PPBV	92
12) ACETONE	5.199	43	122916	4.03	PPBV	81
13) PENTANE	5.780	42	62746	4.16	PPBV #	100
14) 1,1-DICHLOROETHYLENE	6.078	96	79268	4.04	PPBV #	14
15) CARBON DISULFIDE	6.534	76	211918	4.32	PPBV #	44
16) ETHANOL	4.679	45	17451	4.29	PPBV #	100
17) BROMOETHENE	4.960	106	64711	3.86	PPBV #	100
18) METHYLENE CHLORIDE	6.199	84	73619	4.44	PPBV #	1
19) 3-CHLOROPROPENE	6.332	39	105270	4.36	PPBV #	6
20) FREON 113	6.474	151	255965	3.89	PPBV #	100
21) TRANS-1,2-DICHLOROETHY...	7.187	96	89475	4.24	PPBV #	100
22) TERTIARY BUTYL ALCOHOL	6.097	59	161340	4.62	PPBV #	100
23) METHYL TERTIARY BUTYL ...	7.452	73	190679	3.89	PPBV #	100
24) TETRAHYDROFURAN	8.962	42	49525	4.24	PPBV #	100
25) HEXANE	8.467	57	53908	3.99	PPBV #	100
26) VINYL ACETATE	7.542	43	121855	2.62	PPBV	84
27) 1,1-DICHLOROETHANE	7.400	63	158780	4.45	PPBV #	100
28) METHYL ETHYL KETONE	7.799	43	104548	4.06	PPBV	93
29) cis-1,2-DICHLOROETHYLENE	8.257	96	42998	3.82	PPBV #	100
30) ETHYL ACETATE	8.468	43	174232	4.27	PPBV	100
31) CHLOROFORM	8.555	83	138848	4.31	PPBV #	100
32) 1,1,1-TRICHLOROETHANE	9.555	97	159262	4.28	PPBV	95
33) CARBON TETRACHLORIDE	10.162	117	185359	4.04	PPBV	94
34) 1,2-DICHLOROETHANE	9.299	62	101731	4.58	PPBV	97
36) BENZENE	10.020	78	121788	3.68	PPBV	97
37) CYCLOHEXANE	10.288	84	42095	3.68	PPBV #	80
38) TRICHLOROETHYLENE	11.056	95	73442	3.65	PPBV #	85
39) 1,2-DICHLOROPROPANE	10.818	63	45081	4.01	PPBV #	79
40) BROMODICHLOROMETHANE	11.013	83	147182	4.02	PPBV	100
41) 2,2,4-TRIMETHYLPENTANE	11.077	57	195472	3.76	PPBV	93
42) 1,4-DIOXANE	11.042	88	22945	3.71	PPBV	90
43) HEPTANE	11.328	43	79535	3.85	PPBV	88

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3477.D
Acq On : 21 May 2007 7:34 pm
Operator : PhilipB
Sample : IC189-5 (M060)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 22 09:20:55 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:20:32 2007
Response via : Initial Calibration

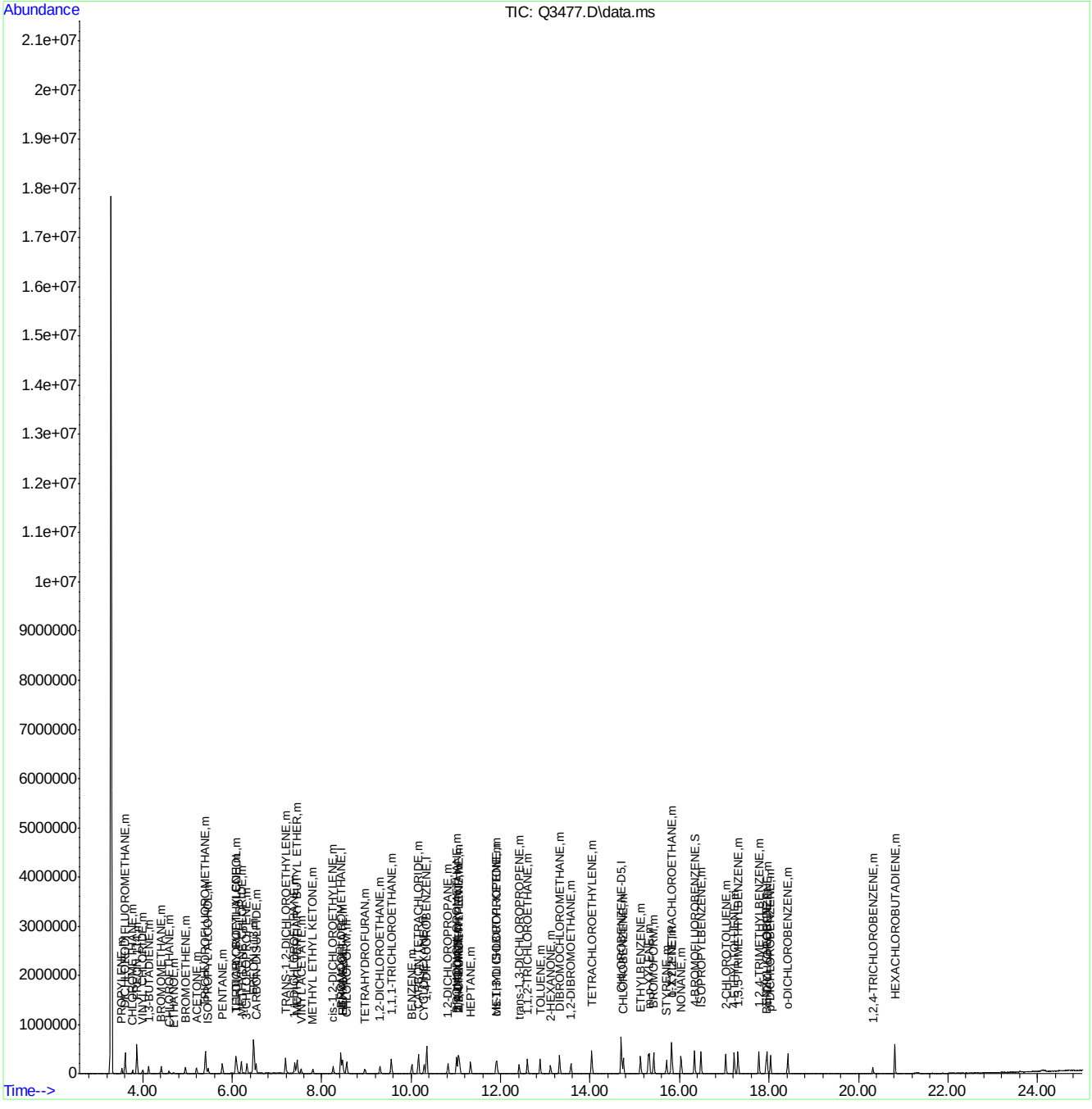
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.920	43	127366	3.95	PPBV	88
45) cis-1,3-DICHLOROPROPENE	11.897	75	69377	3.60	PPBV #	80
46) TOLUENE	12.882	92	88562	3.52	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.412	75	70536	3.48	PPBV #	97
48) 1,1,2-TRICHLOROETHANE	12.598	83	57410	4.17	PPBV	91
50) 2-HEXANONE	13.115	43	99775	3.77	PPBV	91
51) TETRACHLOROETHYLENE	14.034	164	64035	2.94	PPBV	97
52) DIBROMOCHLOROMETHANE	13.319	129	144811	3.52	PPBV	99
53) 1,2-DIBROMOETHANE	13.569	107	95567	3.48	PPBV	98
54) CHLOROBENZENE	14.740	112	125282	3.80	PPBV	96
55) ETHYLBENZENE	15.127	91	208103	3.59	PPBV	96
56) m,p-XYLENE	15.316	106	159238m	6.91	PPBV	
57) o-XYLENE	15.830	106	72845	3.11	PPBV #	85
58) STYRENE	15.710	104	98228	3.31	PPBV	95
59) NONANE	16.034	43	128276	3.66	PPBV	87
60) BROMOFORM	15.418	173	145025	2.86	PPBV	98
62) 1,1,2,2-TETRACHLOROETHANE	15.818	83	134474	3.35	PPBV	97
63) ISOPROPYLBENZENE	16.482	105	234946	3.49	PPBV	96
64) 2-CHLOROTOLUENE	17.030	91	170971	3.42	PPBV	90
65) 4-ETHYLTOLUENE	17.225	105	217480	3.29	PPBV	92
66) 1,3,5-TRIMETHYLBENZENE	17.307	105	199770	3.07	PPBV	93
67) 1,2,4-TRIMETHYLBENZENE	17.772	105	186155	3.09	PPBV	93
68) m-DICHLOROBENZENE	17.956	146	117436	3.09	PPBV	96
69) BENZYL CHLORIDE	17.935	91	126976	3.31	PPBV	95
70) p-DICHLOROBENZENE	18.029	146	100716	3.01	PPBV	94
71) o-DICHLOROBENZENE	18.418	146	110417	3.12	PPBV	97
72) HEXACHLOROBUTADIENE	20.812	225	58598	3.95	PPBV	98
73) 1,2,4-TRICHLOROBENZENE	20.326	180	23068	5.38	PPBV	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3477.D
Acq On : 21 May 2007 7:34 pm
Operator : PhilipB
Sample : IC189-5 (M060)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 22 09:20:55 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:20:32 2007
Response via : Initial Calibration



Quantitation Report (Qedit)

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Data Path : C:\msdchem\1\DATA\
Data File : Q3477.D
Acq On    : 21 May 2007   7:34 pm
Operator  : PhilipB
Sample    : IC189-5 (M060)
Misc      : MS13602,MSQ189,,,,,1
ALS Vial  : 3   Sample Multiplier: 1

Quant Time: May 22 09:20:39 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:20:32 2007
Response via : Initial Calibration
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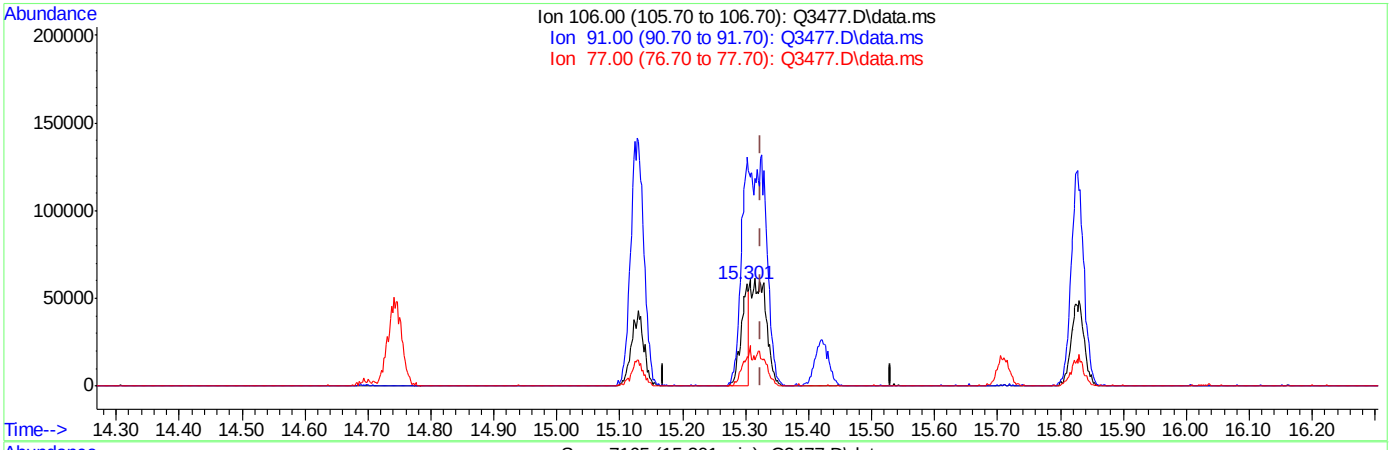
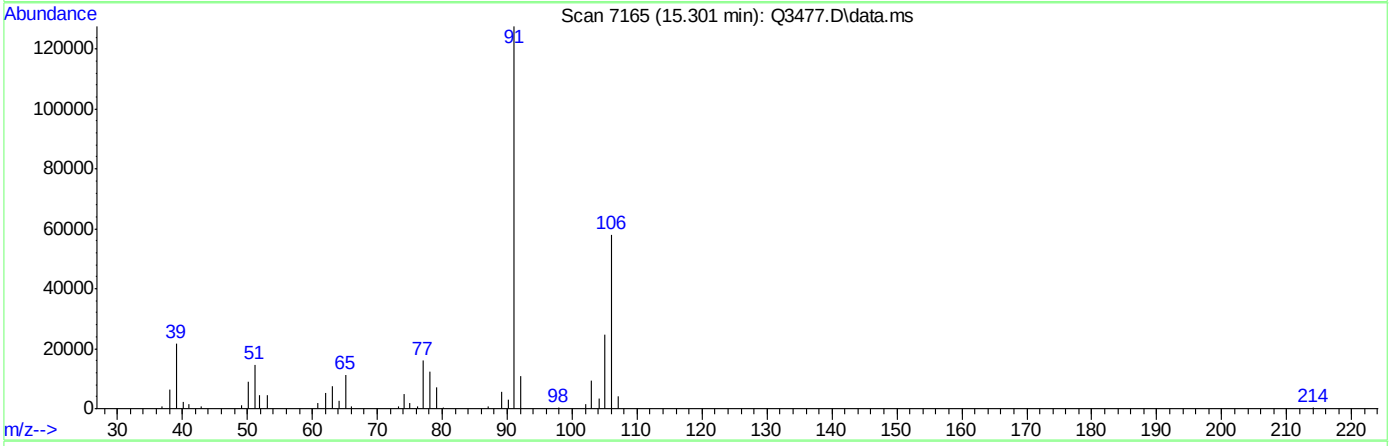




TIC: Q3477.D\data.ms

(56) m,p-XYLENE (m)

15.301min (-0.023) 2.24PPBV

response 51531

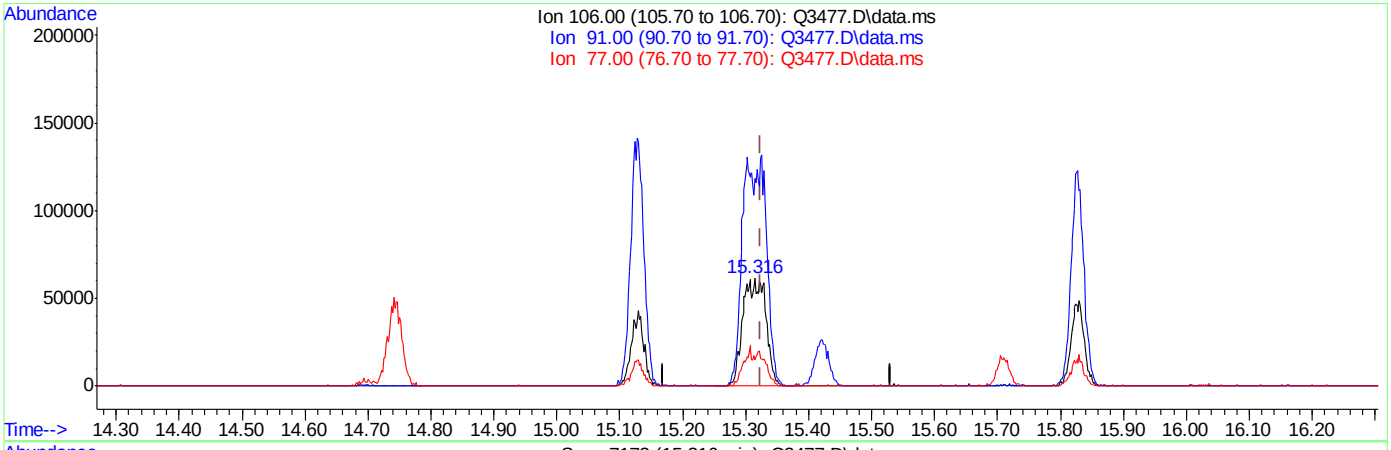
Ion	Exp%	Act%
106.00	100	100
91.00	204.20	219.57
77.00	30.60	27.71
0.00	0.00	0.00

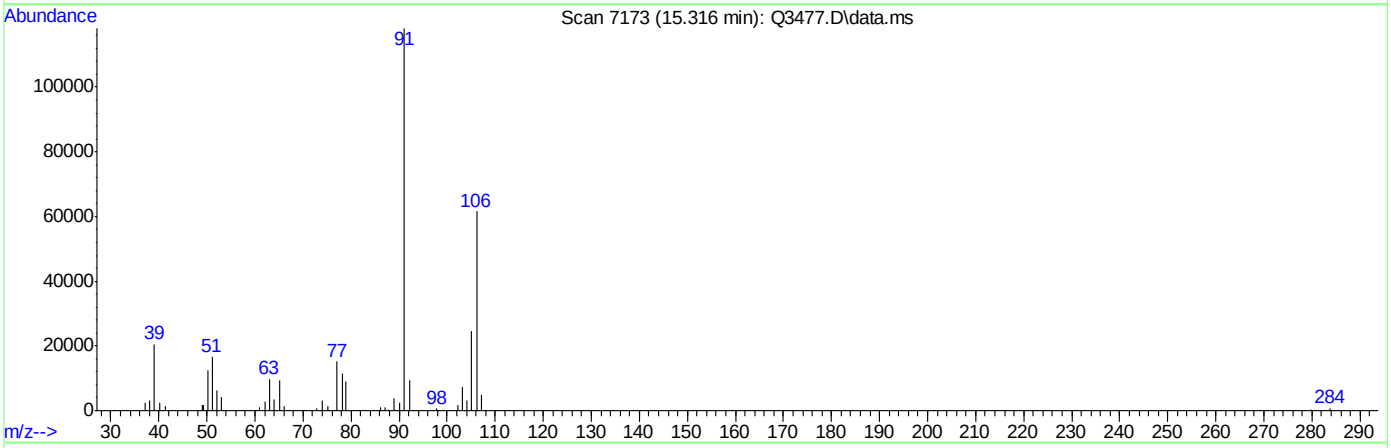
ACCUTEST Laboratories M65503

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3477.D
Acq On : 21 May 2007 7:34 pm
Operator : PhilipB
Sample : IC189-5 (M060)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 22 09:20:39 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:20:32 2007
Response via : Initial Calibration





TIC: Q3477.D\data.ms

(56) m,p-XYLENE (m)

15.316min (-0.009) 6.91PPBV m

response 159238

Ion	Exp%	Act%
106.00	100	100
91.00	204.20	191.73
77.00	30.60	24.73
0.00	0.00	0.00

ACCUTEST Laboratories M65503

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
05/23/07 16:02

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3478.D
Acq On : 21 May 2007 8:17 pm
Operator : PhilipB
Sample : IC189-2 (M060)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 22 09:21:43 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:21:08 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.433	128	65307	10.00	PPBV	0.01
35) 1,4-DIFLUOROBENZENE	10.348	114	269535	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.698	117	228997	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.336	95	95533	5.19	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 103.80%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	3.602	85	103732	2.04	PPBV	81
3) PROPYLENE	3.534	41	16558	2.30	PPBV	89
4) FREON 114	3.870	85	91122	2.02	PPBV #	100
5) CHLOROMETHANE	3.769	50	23545	2.41	PPBV	83
6) VINYL CHLORIDE	3.992	62	22817	2.24	PPBV #	70
7) 1,3-BUTADIENE	4.131	39	24369	1.96	PPBV #	100
8) BROMOMETHANE	4.411	94	28080	2.18	PPBV #	100
9) CHLOROETHANE	4.587	64	10486	2.16	PPBV #	100
10) TRICHLOROFLUOROMETHANE	5.403	101	157868	2.05	PPBV #	100
11) ISOPROPYL ALCOHOL	5.458	45	47553	2.05	PPBV	82
12) ACETONE	5.204	43	54500	2.06	PPBV	81
13) PENTANE	5.776	42	27007	2.05	PPBV #	100
14) 1,1-DICHLOROETHYLENE	6.076	96	29968	1.76	PPBV #	18
15) CARBON DISULFIDE	6.539	76	74659	1.73	PPBV	71
16) ETHANOL	4.692	45	7891m	2.21	PPBV	
17) BROMOETHENE	4.952	106	27815	1.93	PPBV #	100
18) METHYLENE CHLORIDE	6.197	84	29862	2.03	PPBV #	1
19) 3-CHLOROPROPENE	6.328	39	40762	1.91	PPBV #	12
20) FREON 113	6.475	151	84810	1.50	PPBV #	100
21) TRANS-1,2-DICHLOROETHY...	7.190	96	23930	1.29	PPBV #	100
22) TERTIARY BUTYL ALCOHOL	6.104	59	53293	1.71	PPBV #	100
23) METHYL TERTIARY BUTYL ...	7.455	73	56460	1.34	PPBV #	100
24) TETRAHYDROFURAN	8.963	42	17767	1.73	PPBV #	100
25) HEXANE	8.465	57	24360	2.08	PPBV #	100
26) VINYL ACETATE	7.544	43	47661	1.28	PPBV	84
27) 1,1-DICHLOROETHANE	7.400	63	46218	1.46	PPBV #	100
28) METHYL ETHYL KETONE	7.803	43	49616	2.22	PPBV	81
29) cis-1,2-DICHLOROETHYLENE	8.259	96	17818	1.85	PPBV #	100
30) ETHYL ACETATE	8.465	43	72867	2.03	PPBV #	100
31) CHLOROFORM	8.552	83	55102	1.94	PPBV #	100
32) 1,1,1-TRICHLOROETHANE	9.554	97	73141	2.24	PPBV	94
33) CARBON TETRACHLORIDE	10.163	117	79966	2.01	PPBV	96
34) 1,2-DICHLOROETHANE	9.302	62	39486	1.99	PPBV	98
36) BENZENE	10.012	78	45956	1.90	PPBV	96
37) CYCLOHEXANE	10.293	84	19412	2.33	PPBV	92
38) TRICHLOROETHYLENE	11.054	95	30900	2.11	PPBV #	84
39) 1,2-DICHLOROPROPANE	10.829	63	19365	2.32	PPBV #	78
40) BROMODICHLOROMETHANE	11.013	83	59961	2.20	PPBV	97
41) 2,2,4-TRIMETHYLPENTANE	11.077	57	79813	2.09	PPBV	92
42) 1,4-DIOXANE	11.052	88	8436	1.86	PPBV #	50
43) HEPTANE	11.333	43	36338	2.39	PPBV	87

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3478.D
Acq On : 21 May 2007 8:17 pm
Operator : PhilipB
Sample : IC189-2 (M060)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 22 09:21:43 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:21:08 2007
Response via : Initial Calibration

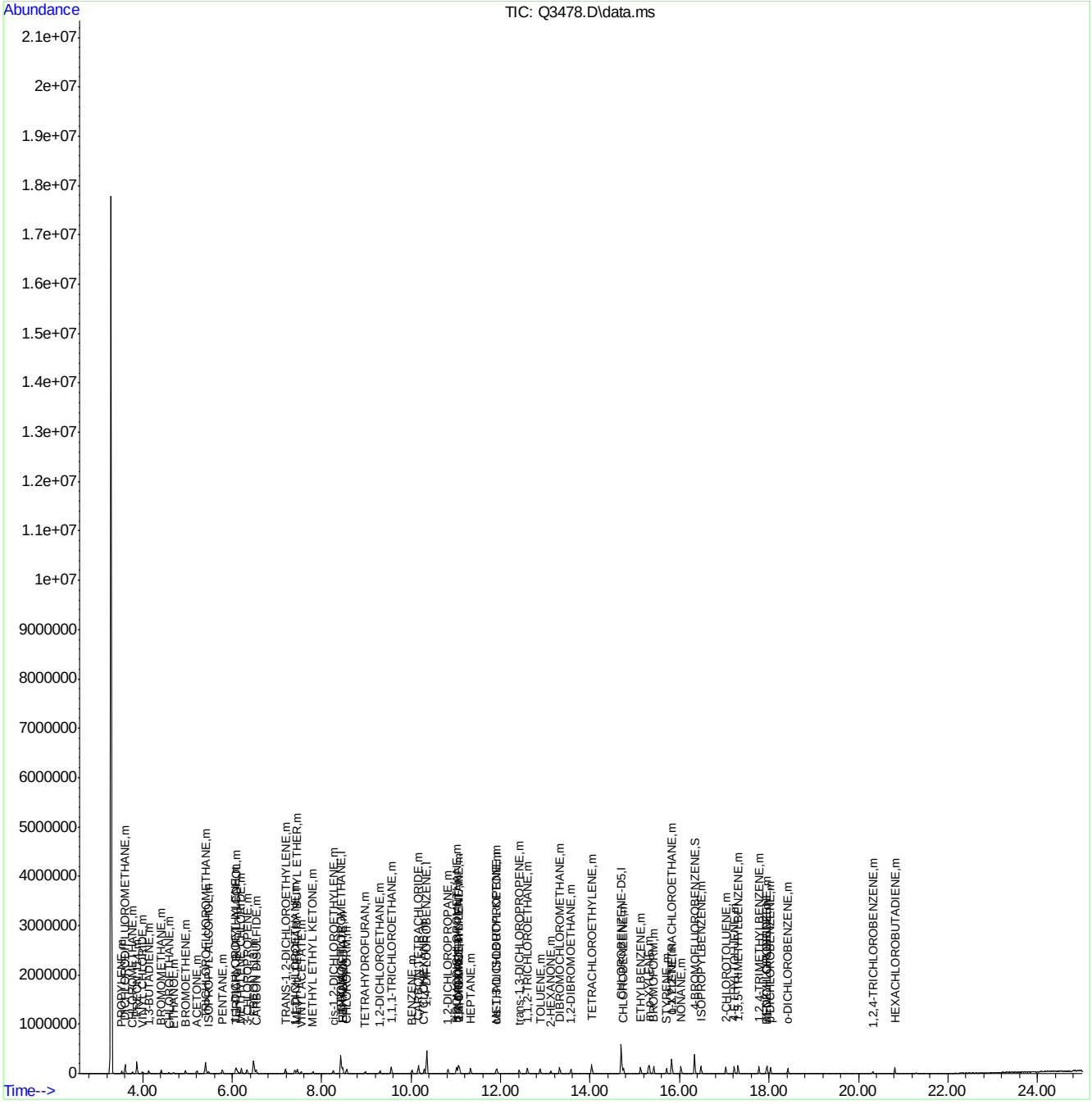
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) METHYL ISOBUTYL KETONE	11.917	43	46342	1.94	PPBV		90
45) cis-1,3-DICHLOROPROPENE	11.895	75	27543	1.97	PPBV		89
46) TOLUENE	12.891	92	30483	1.67	PPBV		95
47) trans-1,3-DICHLOROPROPENE	12.415	75	24096	1.65	PPBV	#	99
48) 1,1,2-TRICHLOROETHANE	12.596	83	24036	2.33	PPBV		89
50) 2-HEXANONE	13.115	43	33792	1.72	PPBV		89
51) TETRACHLOROETHYLENE	14.030	164	11016	0.71	PPBV	#	1
52) DIBROMOCHLOROMETHANE	13.319	129	51905	1.72	PPBV		97
53) 1,2-DIBROMOETHANE	13.567	107	45115	2.24	PPBV		99
54) CHLOROBENZENE	14.742	112	46937	1.91	PPBV		98
55) ETHYLBENZENE	15.131	91	69973	1.64	PPBV		97
56) m,p-XYLENE	15.306	106	62158m	3.68	PPBV		
57) o-XYLENE	15.828	106	33559	1.99	PPBV		91
58) STYRENE	15.713	104	35985	1.67	PPBV		98
59) NONANE	16.032	43	44138	1.70	PPBV	#	62
60) BROMOFORM	15.420	173	47052	1.31	PPBV		97
62) 1,1,2,2-TETRACHLOROETHANE	15.816	83	59425	2.04	PPBV		95
63) ISOPROPYLBENZENE	16.478	105	77164	1.56	PPBV		96
64) 2-CHLOROTOLUENE	17.030	91	59105	1.62	PPBV		92
65) 4-ETHYLTOLUENE	17.221	105	70555	1.47	PPBV		97
66) 1,3,5-TRIMETHYLBENZENE	17.308	105	63855	1.37	PPBV		95
67) 1,2,4-TRIMETHYLBENZENE	17.775	105	53288	1.23	PPBV		96
68) m-DICHLOROBENZENE	17.958	146	39830	1.46	PPBV		95
69) BENZYL CHLORIDE	17.935	91	27608	0.99	PPBV		95
70) p-DICHLOROBENZENE	18.031	146	35343	1.48	PPBV		98
71) o-DICHLOROBENZENE	18.418	146	26328	1.04	PPBV		96
72) HEXACHLOROBUTADIENE	20.812	225	11481	1.03	PPBV		96
73) 1,2,4-TRICHLOROBENZENE	20.320	180	7142	2.06	PPBV		93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3478.D
Acq On : 21 May 2007 8:17 pm
Operator : PhilipB
Sample : IC189-2 (M060)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 22 09:21:43 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:21:08 2007
Response via : Initial Calibration

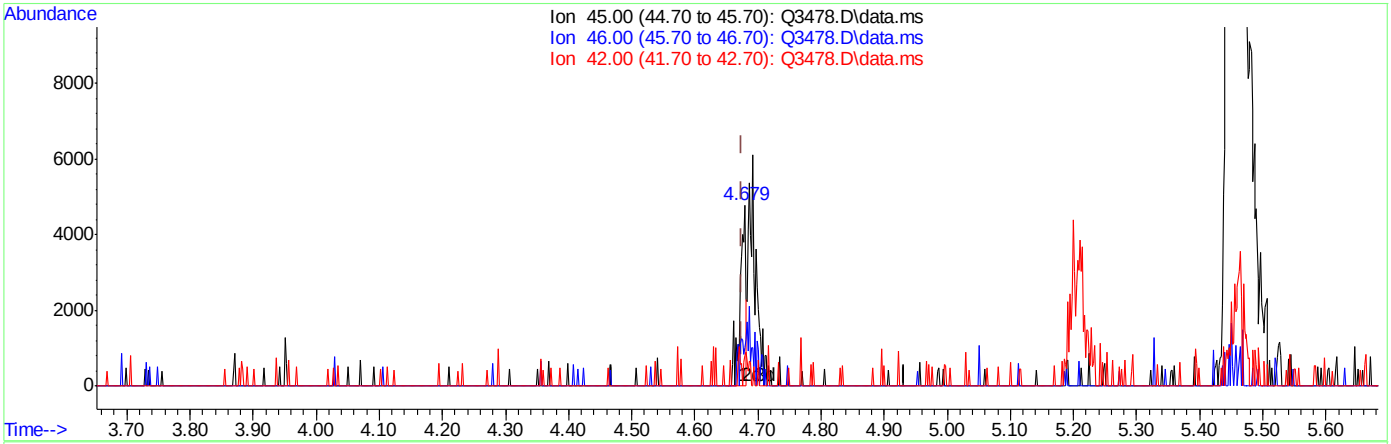


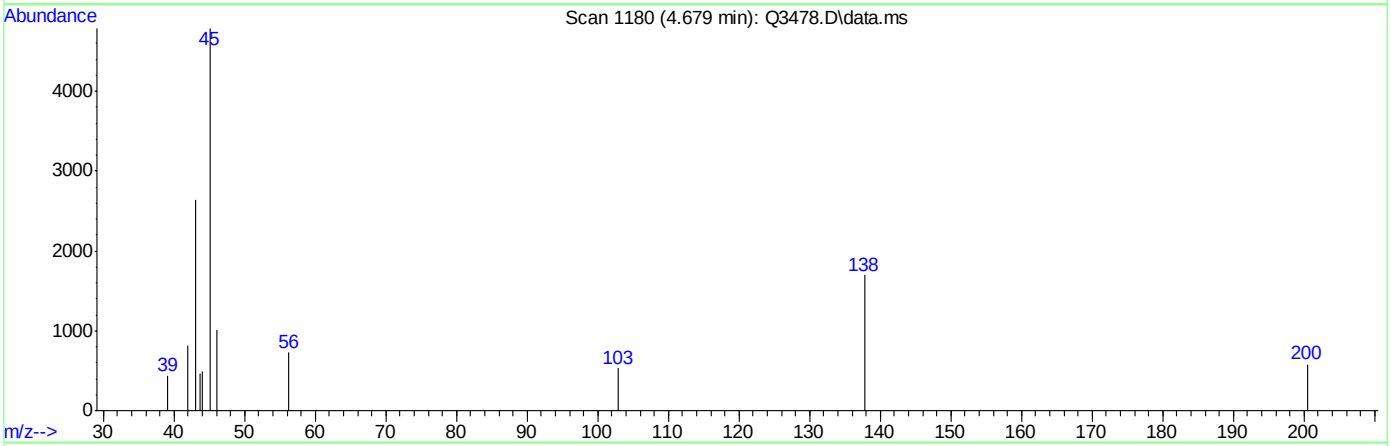
ACCUTEST Laboratories M65503

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3478.D
Acq On : 21 May 2007 8:17 pm
Operator : PhilipB
Sample : IC189-2 (M060)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 22 09:21:13 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:21:08 2007
Response via : Initial Calibration





TIC: Q3478.D\data.ms

(16) ETHANOL (m)

4.679min (+0.004) 0.82PPBV

response 2931

Ion	Exp%	Act%
45.00	100	100
46.00	0.00	51.01#
42.00	0.00	12.76
0.00	0.00	0.00

ACCUTEST Laboratories M65503

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3478.D
Acq On    : 21 May 2007   8:17 pm
Operator  : PhilipB
Sample    : IC189-2 (M060)
Misc      : MS13602,MSQ189,,,,,1
ALS Vial  : 3   Sample Multiplier: 1

Quant Time: May 22 09:21:13 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:21:08 2007
Response via : Initial Calibration
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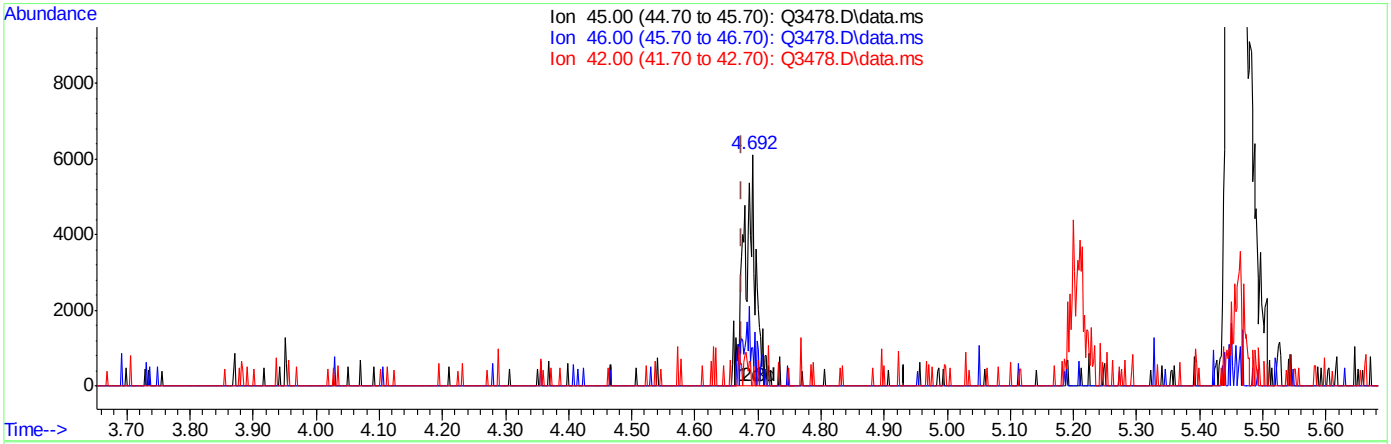
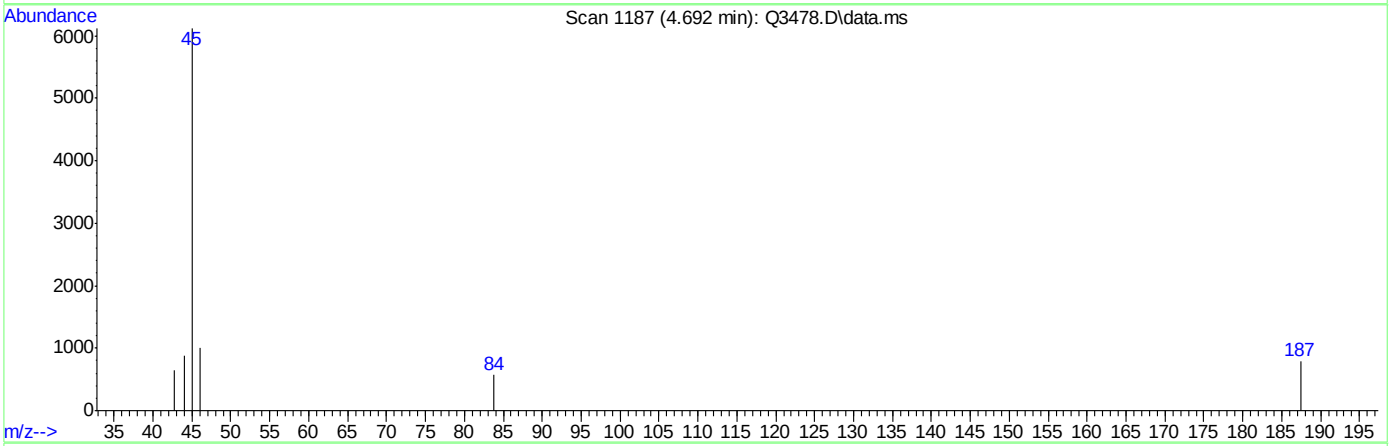




TIC: Q3478.D\data.ms

(16) ETHANOL (m)

4.692min (+0.017) 2.21PPBV m

response 7891

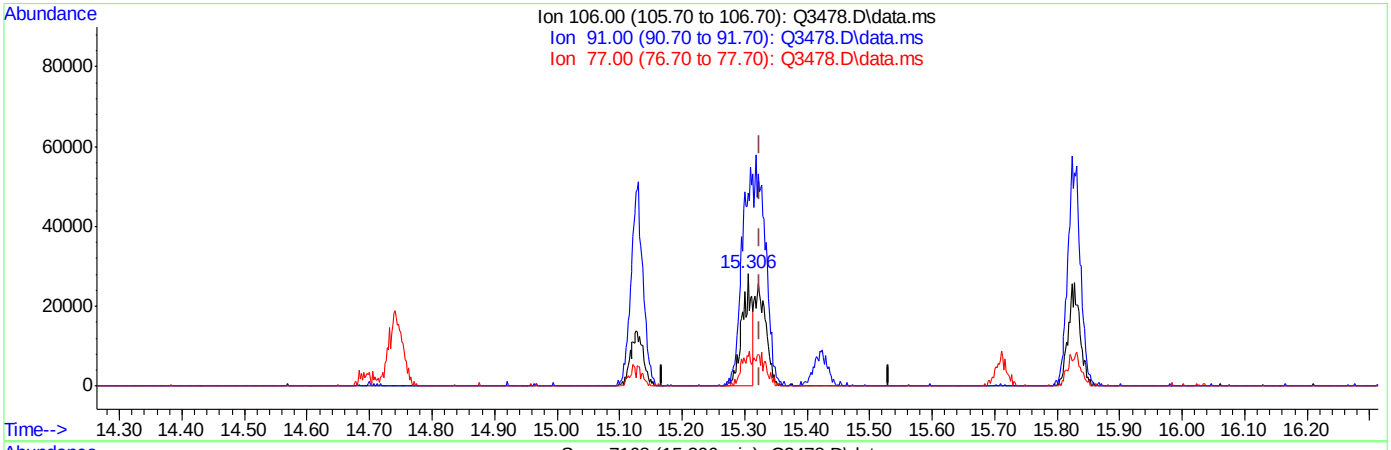
Ion	Exp%	Act%
45.00	100	100
46.00	0.00	18.95
42.00	0.00	4.74
0.00	0.00	0.00

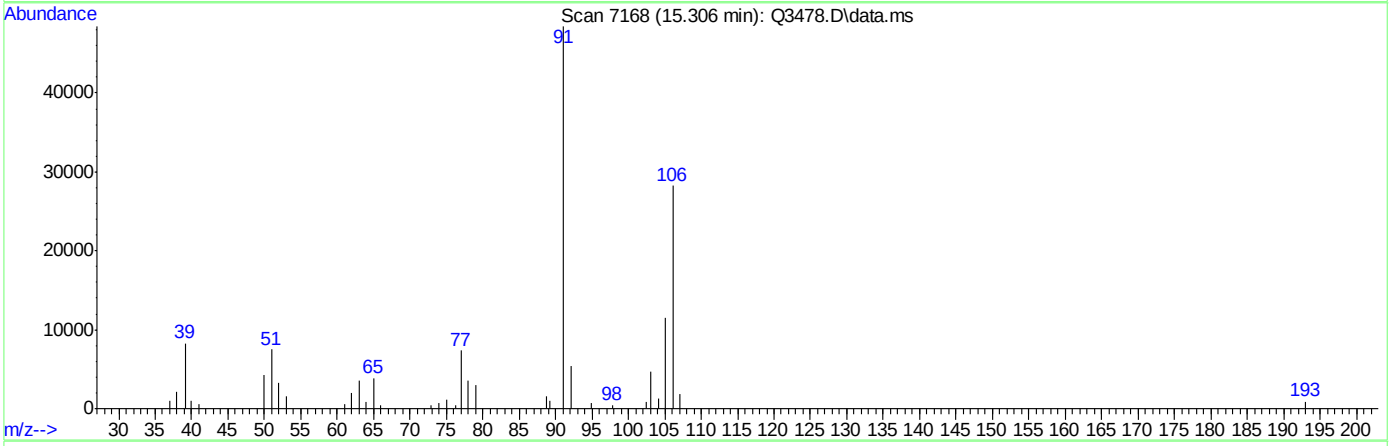
ACCUTEST Laboratories M65503

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3478.D
Acq On    : 21 May 2007   8:17 pm
Operator  : PhilipB
Sample    : IC189-2 (M060)
Misc      : MS13602,MSQ189,,,,,1
ALS Vial  : 3   Sample Multiplier: 1

Quant Time: May 22 09:21:13 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:21:08 2007
Response via : Initial Calibration
```



TIC: Q3478.D\data.ms

(56) m,p-XYLENE (m)

15.306min (-0.018) 1.80PPBV

response 30340

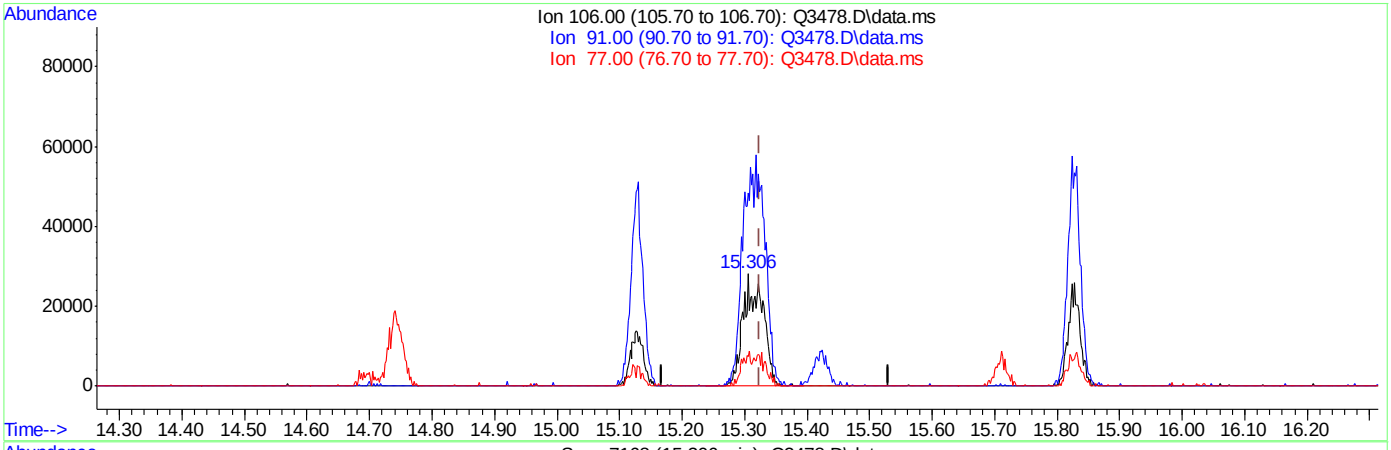
Ion	Exp%	Act%
106.00	100	100
91.00	204.20	171.68
77.00	30.60	26.07
0.00	0.00	0.00

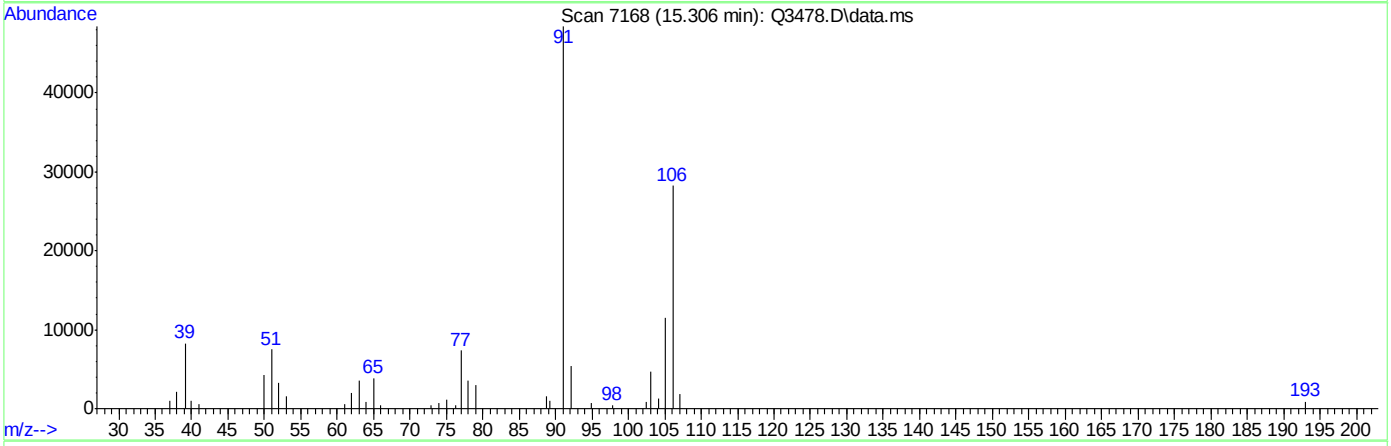
ACCUTEST Laboratories M65503

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3478.D
Acq On    : 21 May 2007   8:17 pm
Operator  : PhilipB
Sample    : IC189-2 (M060)
Misc      : MS13602,MSQ189,,,,,1
ALS Vial  : 3   Sample Multiplier: 1

Quant Time: May 22 09:21:13 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:21:08 2007
Response via : Initial Calibration
```



TIC: Q3478.D\data.ms

(56) m,p-XYLENE (m)

15.306min (-0.018) 3.68PPBV m

response 62158

Ion	Exp%	Act%
106.00	100	100
91.00	204.20	171.68
77.00	30.60	26.07
0.00	0.00	0.00

ACCUTEST Laboratories M65503

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
05/23/07 16:02

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3479.D
Acq On : 21 May 2007 9:00 pm
Operator : PhilipB
Sample : IC189-.5 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:24:07 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:21:54 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.428	128	66653	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.343	114	314660	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.696	117	268589	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.332	95	76411	3.51	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 70.20%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	3.600	85	30207	0.58	PPBV	83
3) PROPYLENE	3.531	41	4734	0.63	PPBV #	66
4) FREON 114	3.866	85	28153	0.61	PPBV #	100
5) CHLOROMETHANE	3.767	50	6206	0.60	PPBV	86
6) VINYL CHLORIDE	3.996	62	7099	0.67	PPBV #	37
7) 1,3-BUTADIENE	4.127	39	7529	0.60	PPBV #	100
8) BROMOMETHANE	4.406	94	8296	0.62	PPBV #	100
9) CHLOROETHANE	4.587	64	4211	0.84	PPBV #	100
10) TRICHLOROFLUOROMETHANE	5.402	101	45855m	0.58	PPBV	
11) ISOPROPYL ALCOHOL	5.457	45	12691	0.53	PPBV	83
12) ACETONE	5.206	43	16853	0.62	PPBV	80
13) PENTANE	5.769	42	8456	0.63	PPBV #	100
14) 1,1-DICHLOROETHYLENE	6.081	96	9120	0.54	PPBV #	16
15) CARBON DISULFIDE	6.530	76	23372	0.55	PPBV #	37
16) ETHANOL	4.688	45	1822	0.49	PPBV	100
17) BROMOETHENE	4.951	106	11341	0.78	PPBV #	100
18) METHYLENE CHLORIDE	6.200	84	11487	0.76	PPBV #	1
19) 3-CHLOROPROPENE	6.326	39	11543	0.54	PPBV #	16
20) FREON 113	6.475	151	21252	0.39	PPBV #	100
21) TRANS-1,2-DICHLOROETHY...	7.180	96	6982	0.40	PPBV #	100
22) TERTIARY BUTYL ALCOHOL	6.113	59	14564m	0.47	PPBV	
23) METHYL TERTIARY BUTYL ...	7.453	73	13576	0.34	PPBV #	100
24) TETRAHYDROFURAN	8.976	42	4996	0.49	PPBV	100
25) HEXANE	8.465	57	8917	0.74	PPBV #	100
26) VINYL ACETATE	7.538	43	11806	0.33	PPBV #	93
27) 1,1-DICHLOROETHANE	7.391	63	12940	0.42	PPBV	100
28) METHYL ETHYL KETONE	7.801	43	9853	0.42	PPBV	85
29) cis-1,2-DICHLOROETHYLENE	8.261	96	5847m	0.60	PPBV	
30) ETHYL ACETATE	8.470	43	22090	0.60	PPBV	100
31) CHLOROFORM	8.554	83	20323	0.71	PPBV #	100
32) 1,1,1-TRICHLOROETHANE	9.553	97	21686	0.63	PPBV	91
33) CARBON TETRACHLORIDE	10.163	117	25974	0.64	PPBV #	56
34) 1,2-DICHLOROETHANE	9.304	62	13422m	0.66	PPBV	
36) BENZENE	10.014	78	15632	0.56	PPBV	91
37) CYCLOHEXANE	10.288	84	4975m	0.49	PPBV	
38) TRICHLOROETHYLENE	11.051	95	9508	0.55	PPBV #	81
39) 1,2-DICHLOROPROPANE	10.813	63	5084m	0.51	PPBV	
40) BROMODICHLOROMETHANE	11.008	83	17830	0.55	PPBV #	68
41) 2,2,4-TRIMETHYLPENTANE	11.079	57	24510	0.55	PPBV #	70
42) 1,4-DIOXANE	11.051	88	1388m	0.27	PPBV	
43) HEPTANE	11.326	43	8924	0.48	PPBV	88

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3479.D
Acq On : 21 May 2007 9:00 pm
Operator : PhilipB
Sample : IC189-.5 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:24:07 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:21:54 2007
Response via : Initial Calibration

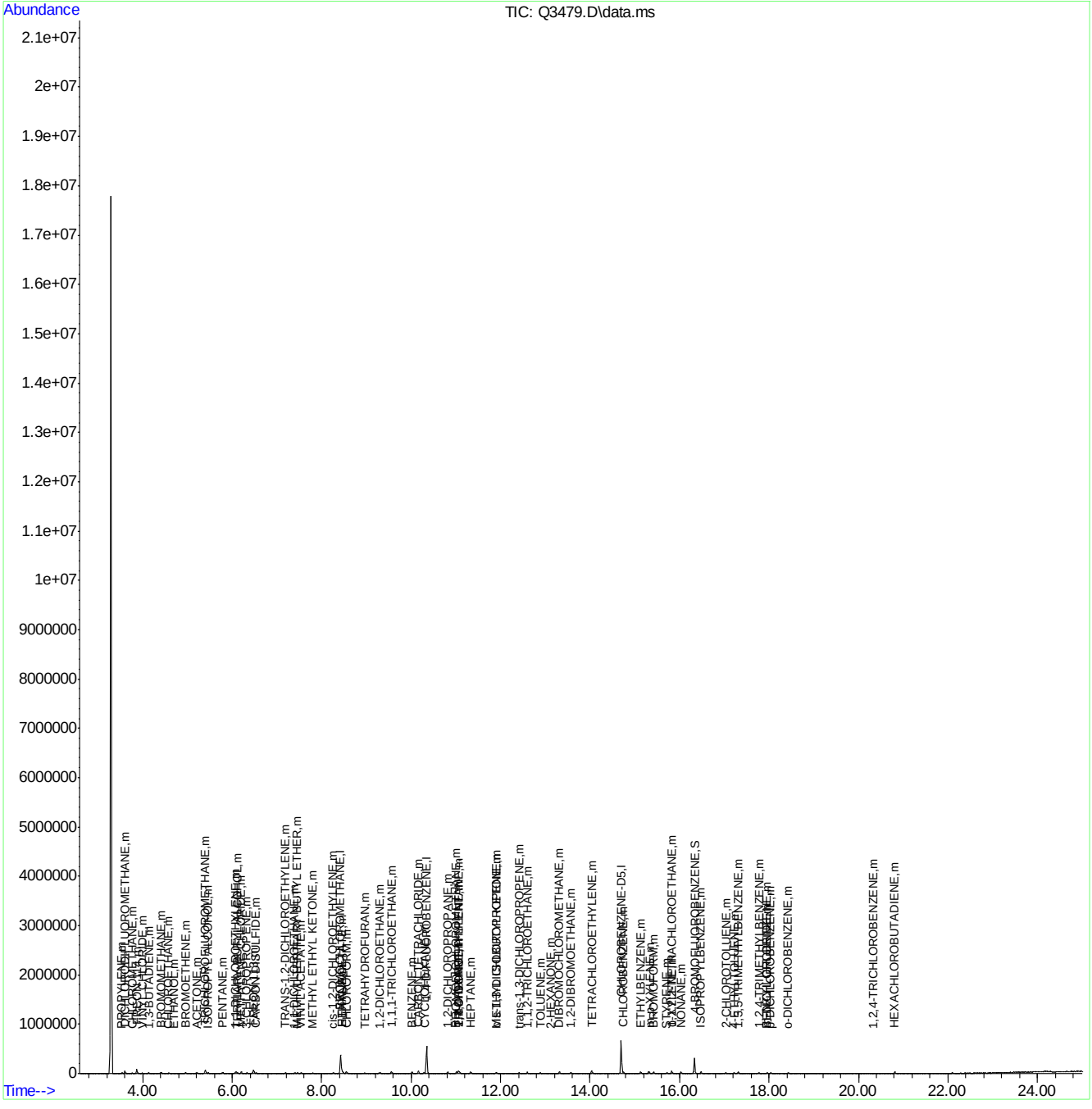
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) METHYL ISOBUTYL KETONE	11.917	43	9064	0.33	PPBV		66
45) cis-1,3-DICHLOROPROPENE	11.904	75	7200	0.44	PPBV		88
46) TOLUENE	12.882	92	7670	0.37	PPBV		98
47) trans-1,3-DICHLOROPROPENE	12.414	75	5532	0.34	PPBV	#	97
48) 1,1,2-TRICHLOROETHANE	12.602	83	5210m	0.42	PPBV		
50) 2-HEXANONE	13.120	43	4045m	0.18	PPBV		
51) TETRACHLOROETHYLENE	14.038	164	6457	0.41	PPBV	#	27
52) DIBROMOCHLOROMETHANE	13.306	129	14101m	0.41	PPBV		
53) 1,2-DIBROMOETHANE	13.571	107	11515	0.48	PPBV	#	96
54) CHLOROBENZENE	14.740	112	14988	0.52	PPBV		96
55) ETHYLBENZENE	15.129	91	17284	0.36	PPBV		98
56) m,p-XYLENE	15.328	106	13556m	0.70	PPBV		
57) o-XYLENE	15.832	106	7979	0.40	PPBV		95
58) STYRENE	15.708	104	6888	0.28	PPBV	#	79
59) NONANE	16.038	43	11193	0.38	PPBV	#	80
60) BROMOFORM	15.418	173	11028	0.28	PPBV		95
62) 1,1,2,2-TETRACHLOROETHANE	15.812	83	9796	0.29	PPBV	#	28
63) ISOPROPYLBENZENE	16.474	105	18341	0.33	PPBV		95
64) 2-CHLOROTOLUENE	17.028	91	10903	0.26	PPBV		88
65) 4-ETHYLTOLUENE	17.223	105	11610	0.22	PPBV		98
66) 1,3,5-TRIMETHYLBENZENE	17.305	105	12933	0.25	PPBV		95
67) 1,2,4-TRIMETHYLBENZENE	17.779	105	9008	0.19	PPBV		85
68) m-DICHLOROBENZENE	17.958	146	5405	0.18	PPBV		91
69) BENZYL CHLORIDE	17.939	91	4023	0.14	PPBV		76
70) p-DICHLOROBENZENE	18.036	146	4968	0.19	PPBV	#	76
71) o-DICHLOROBENZENE	18.425	146	5020	0.19	PPBV		91
72) HEXACHLOROBUTADIENE	20.814	225	4098	0.35	PPBV	#	65
73) 1,2,4-TRICHLOROBENZENE	20.322	180	908m	0.22	PPBV		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3479.D
Acq On : 21 May 2007 9:00 pm
Operator : PhilipB
Sample : IC189-.5 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

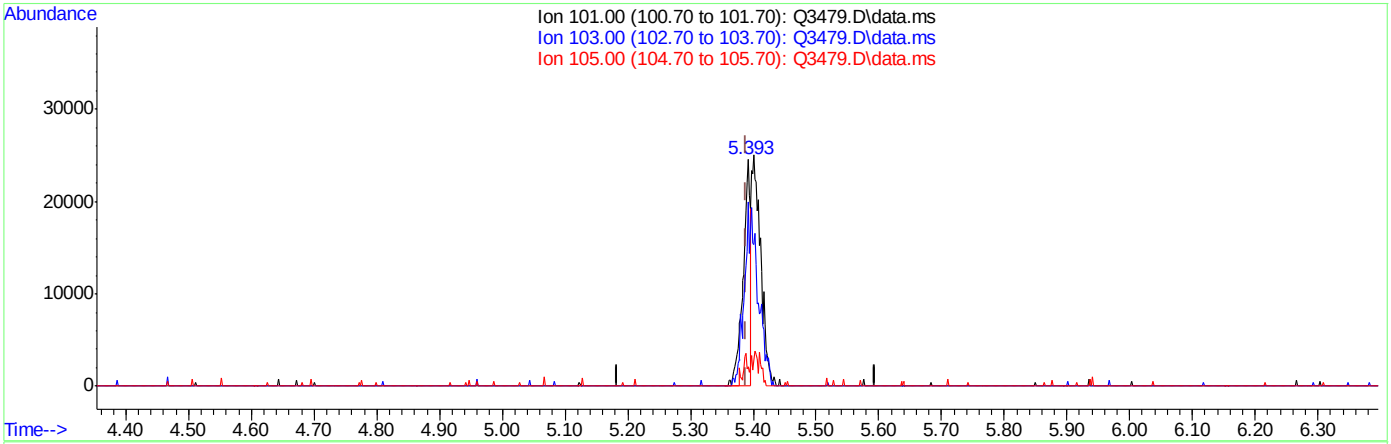
Quant Time: May 22 09:24:07 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:21:54 2007
Response via : Initial Calibration

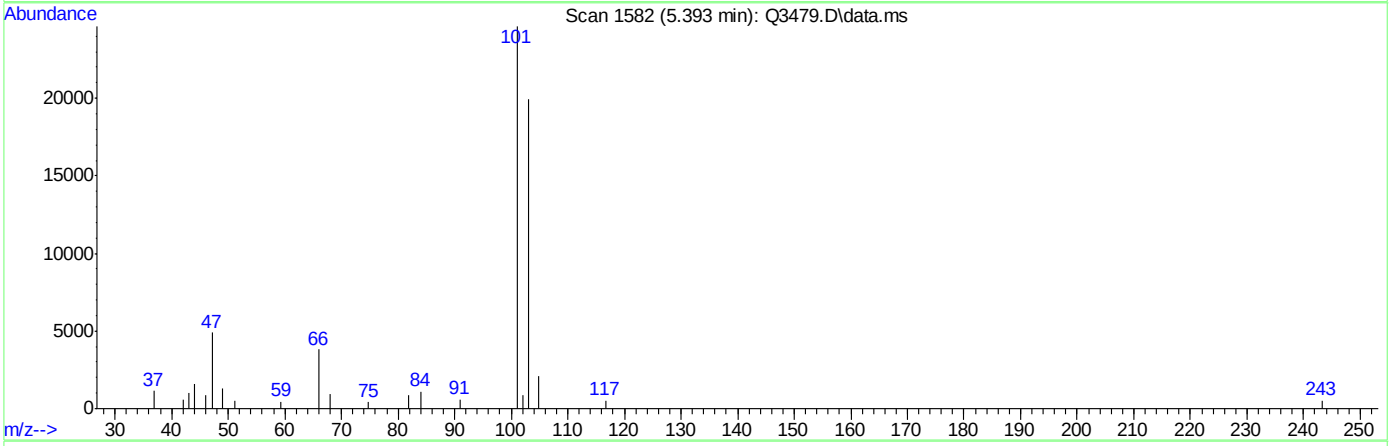


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3479.D
Acq On : 21 May 2007 9:00 pm
Operator : PhilipB
Sample : IC189-.5 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:21:59 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:21:54 2007
Response via : Initial Calibration





TIC: Q3479.D\data.ms

(10) TRICHLOROFLUOROMETHANE (m)

5.393min (+0.004) 0.26PPBV

response 20347

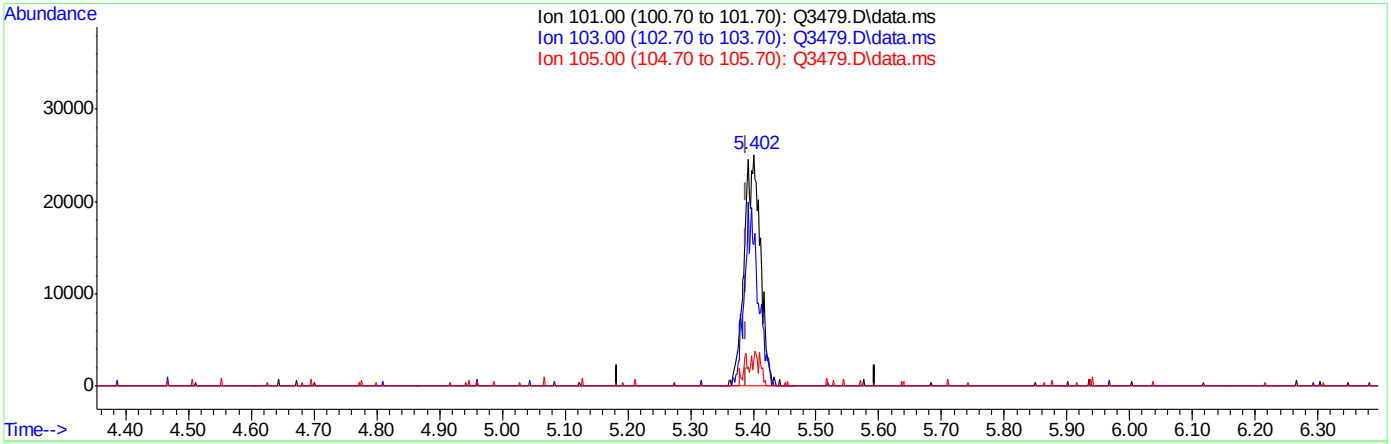
Ion	Exp%	Act%
101.00	100	100
103.00	0.00	148.24#
105.00	0.00	13.53
0.00	0.00	0.00

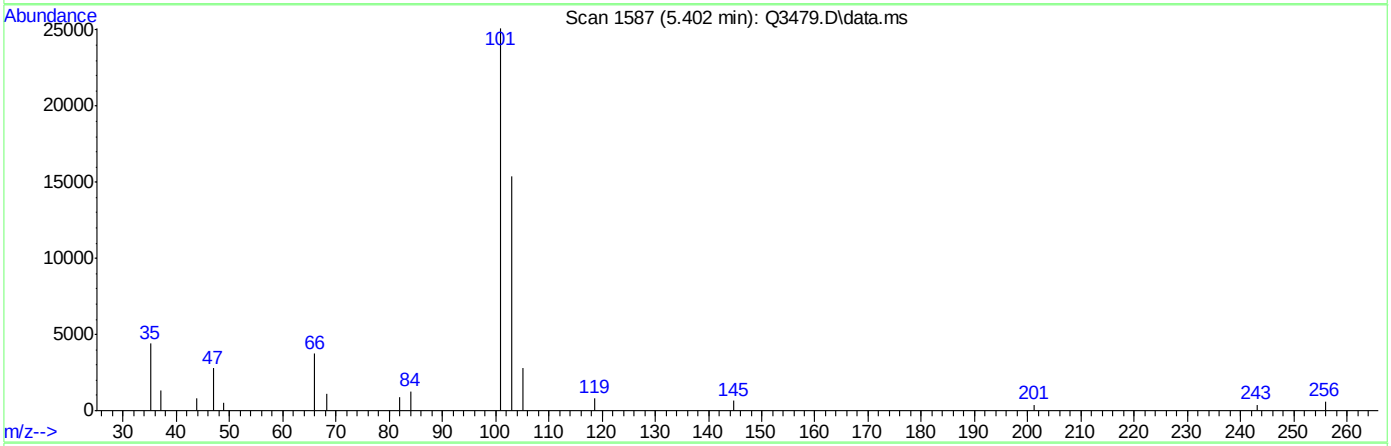
ACCUTEST Laboratories M65503

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3479.D
Acq On : 21 May 2007 9:00 pm
Operator : PhilipB
Sample : IC189-.5 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:21:59 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:21:54 2007
Response via : Initial Calibration





TIC: Q3479.D\data.ms

(10) TRICHLOROFLUOROMETHANE (m)

5.402min (+0.013) 0.58PPBV m

response 45855

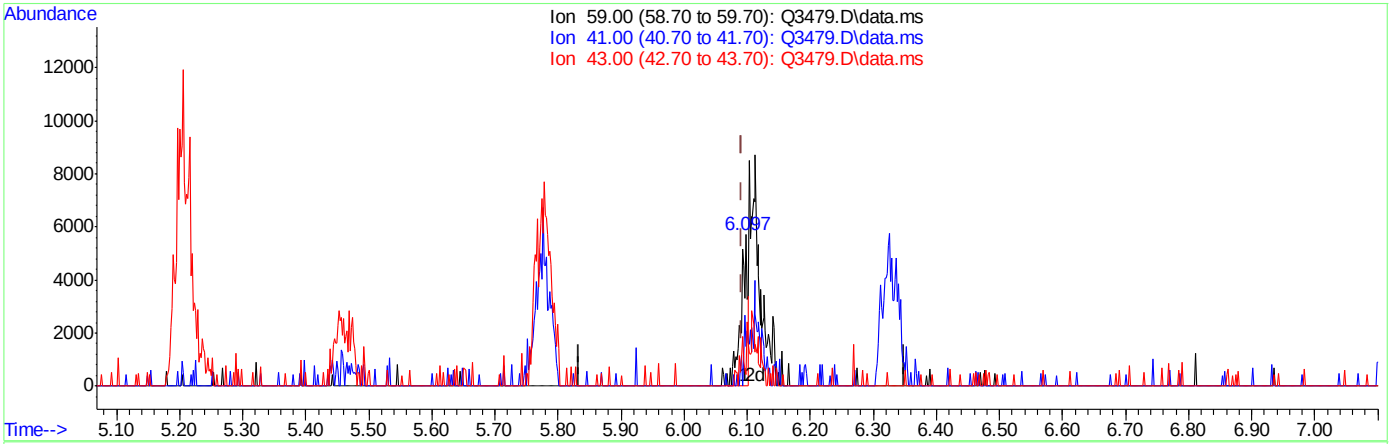
Ion	Exp%	Act%
101.00	100	100
103.00	0.00	65.78#
105.00	0.00	6.00
0.00	0.00	0.00

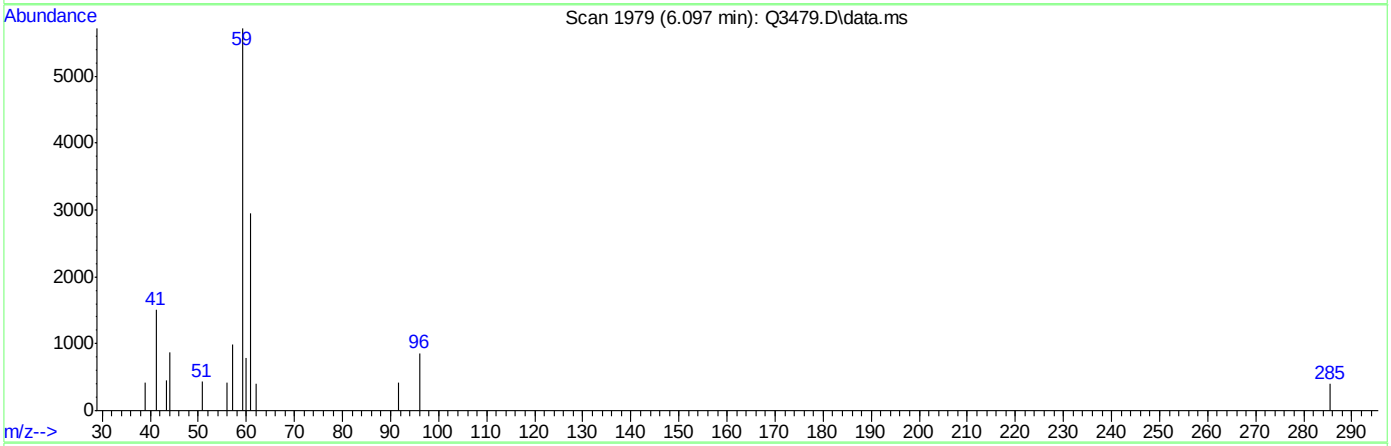
ACCUTEST Laboratories M65503

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3479.D
Acq On : 21 May 2007 9:00 pm
Operator : PhilipB
Sample : IC189-.5 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:21:59 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:21:54 2007
Response via : Initial Calibration





TIC: Q3479.D\data.ms

(22) TERTIARY BUTYL ALCOHOL (m)

6.097min (+0.005) 0.13PPBV

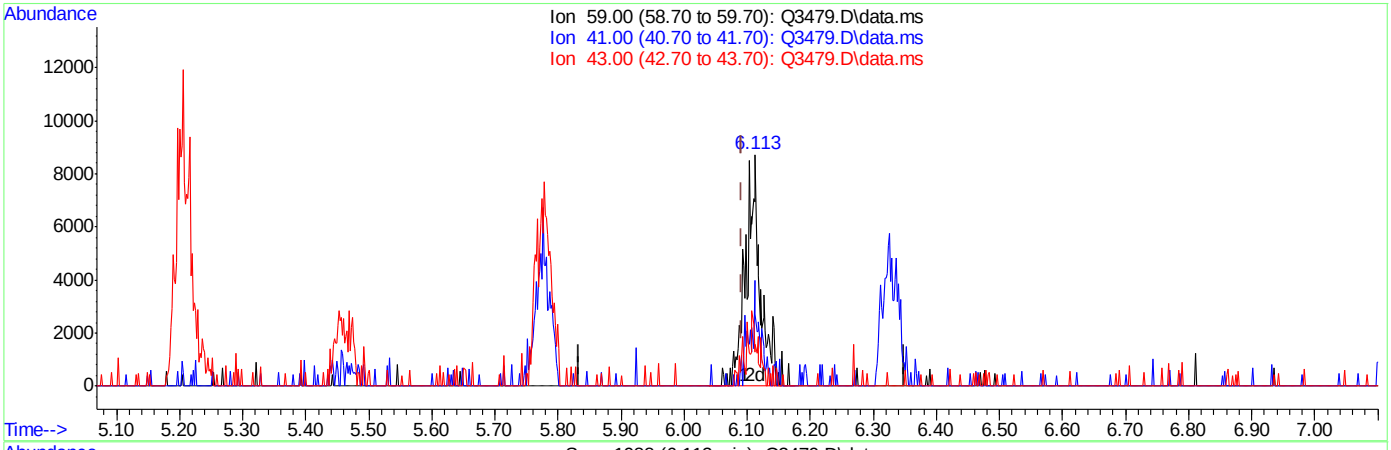
response 4114

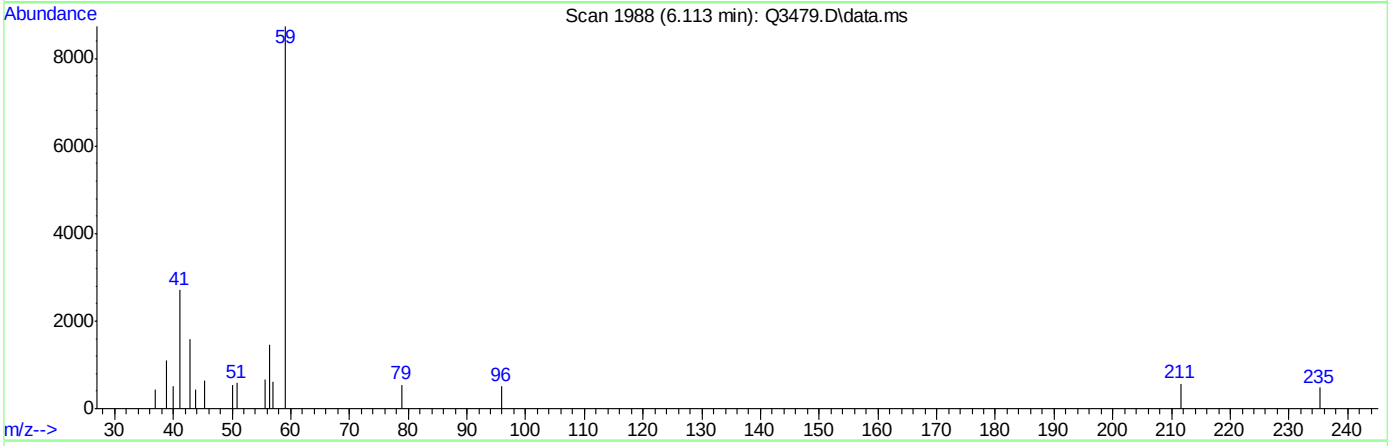
Ion	Exp%	Act%
59.00	100	100
41.00	0.00	0.00
43.00	0.00	21.44#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3479.D
Acq On : 21 May 2007 9:00 pm
Operator : PhilipB
Sample : IC189-.5 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:21:59 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:21:54 2007
Response via : Initial Calibration





TIC: Q3479.D\data.ms

(22) TERTIARY BUTYL ALCOHOL (m)

6.113min (+0.021) 0.47PPBV m

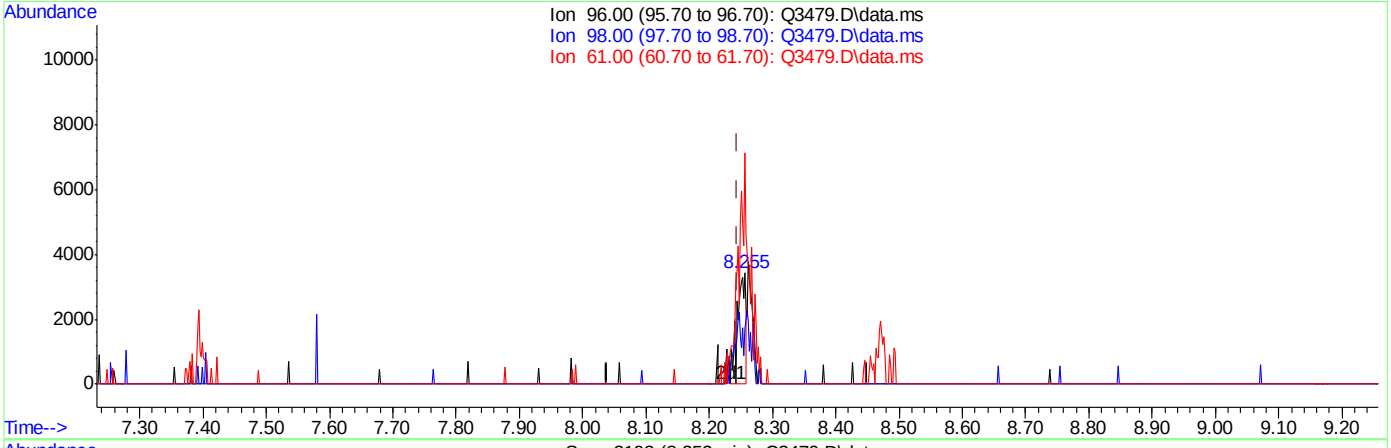
response 14564

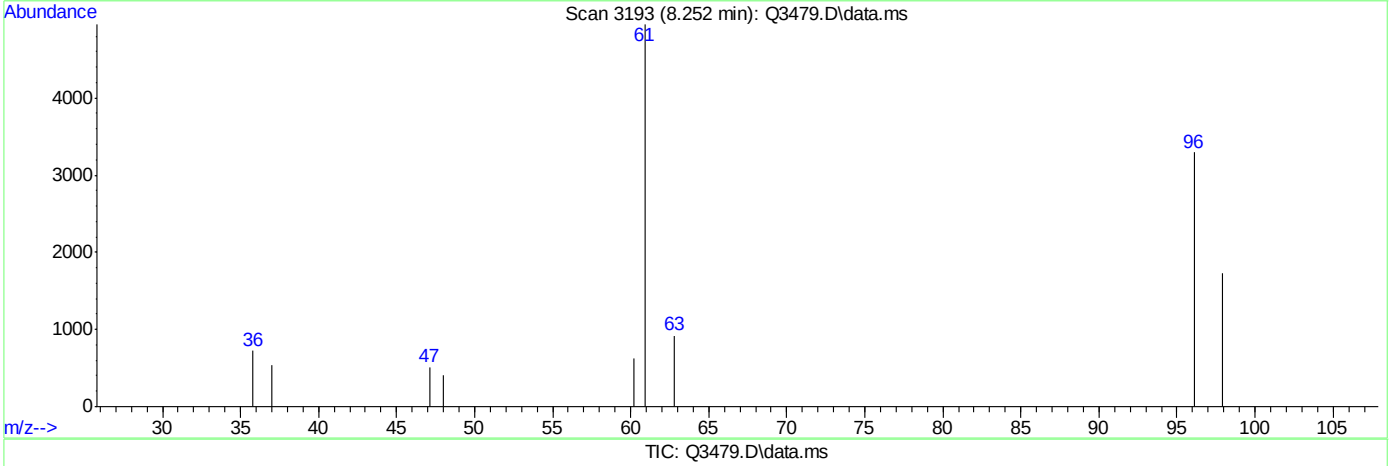
Ion	Exp%	Act%
59.00	100	100
41.00	0.00	0.00
43.00	0.00	6.06
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3479.D
Acq On : 21 May 2007 9:00 pm
Operator : PhilipB
Sample : IC189-.5 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:21:59 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:21:54 2007
Response via : Initial Calibration





TIC: Q3479.D\data.ms

(29) cis-1,2-DICHLOROETHYLENE (m)

8.252min (+0.007) 0.32PPBV

response 3128

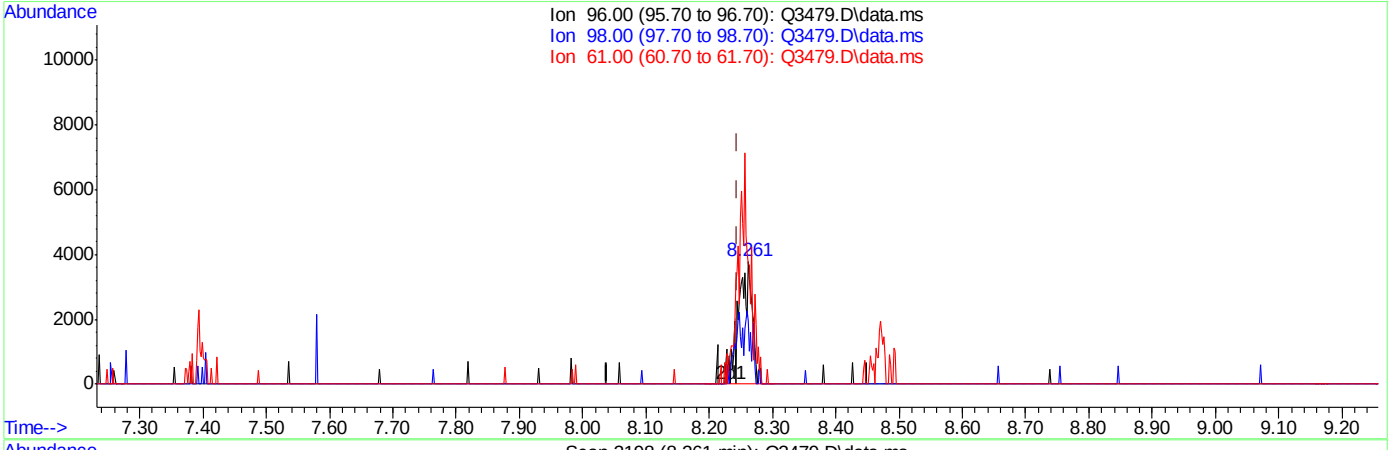
Ion	Exp%	Act%
96.00	100	100
98.00	0.00	51.15#
61.00	0.00	274.23#
0.00	0.00	0.00

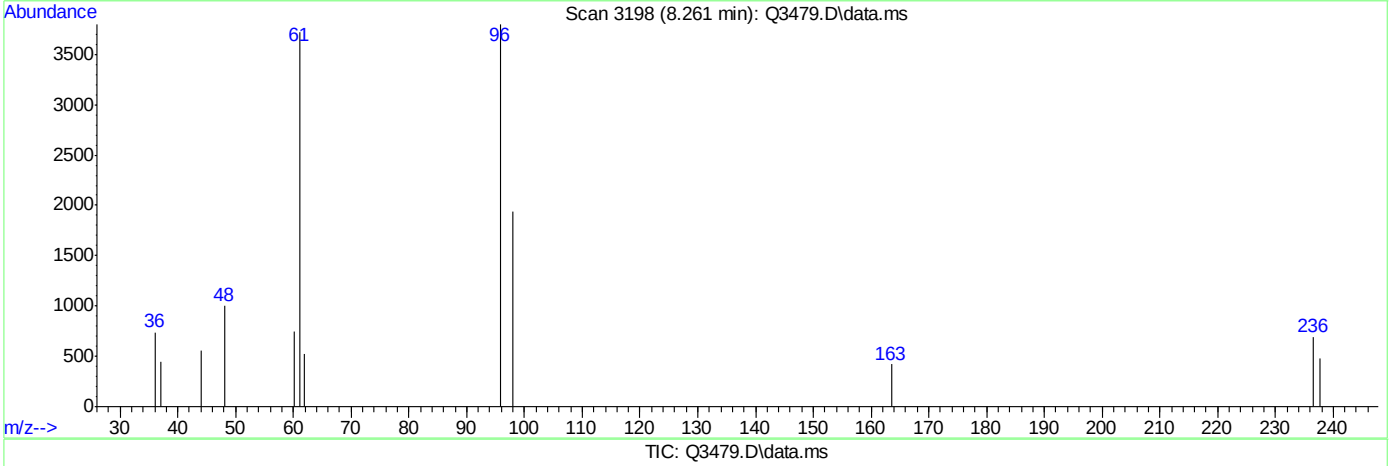
ACCUTEST Laboratories M65503

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3479.D
Acq On : 21 May 2007 9:00 pm
Operator : PhilipB
Sample : IC189-.5 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:21:59 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:21:54 2007
Response via : Initial Calibration





TIC: Q3479.D\data.ms

(29) cis-1,2-DICHLOROETHYLENE (m)

8.261min (+0.016) 0.60PPBV m

response 5847

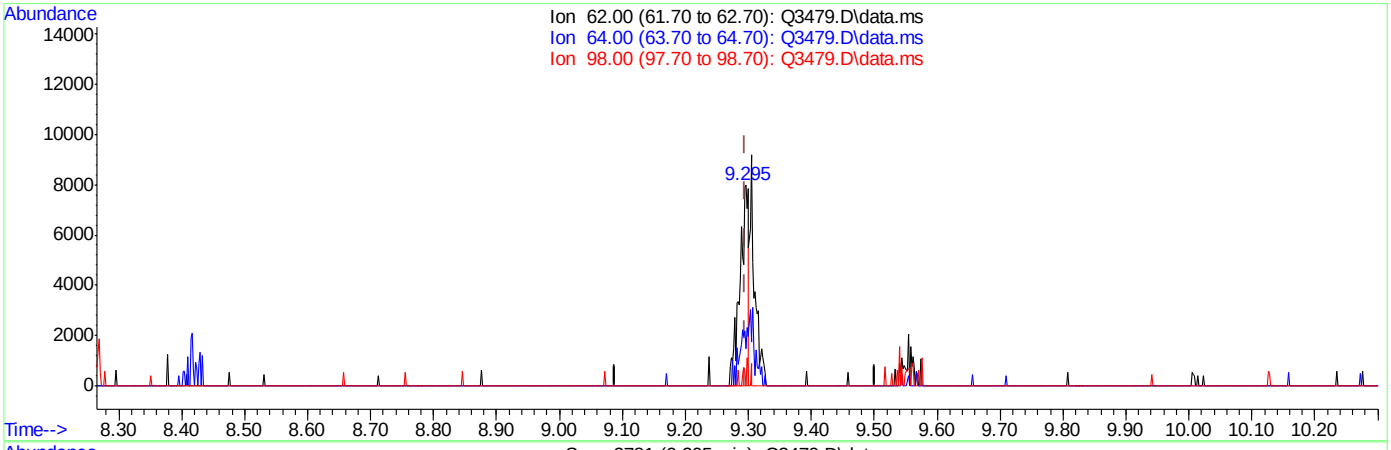
Ion	Exp%	Act%
96.00	100	100
98.00	0.00	27.36#
61.00	0.00	146.71#
0.00	0.00	0.00

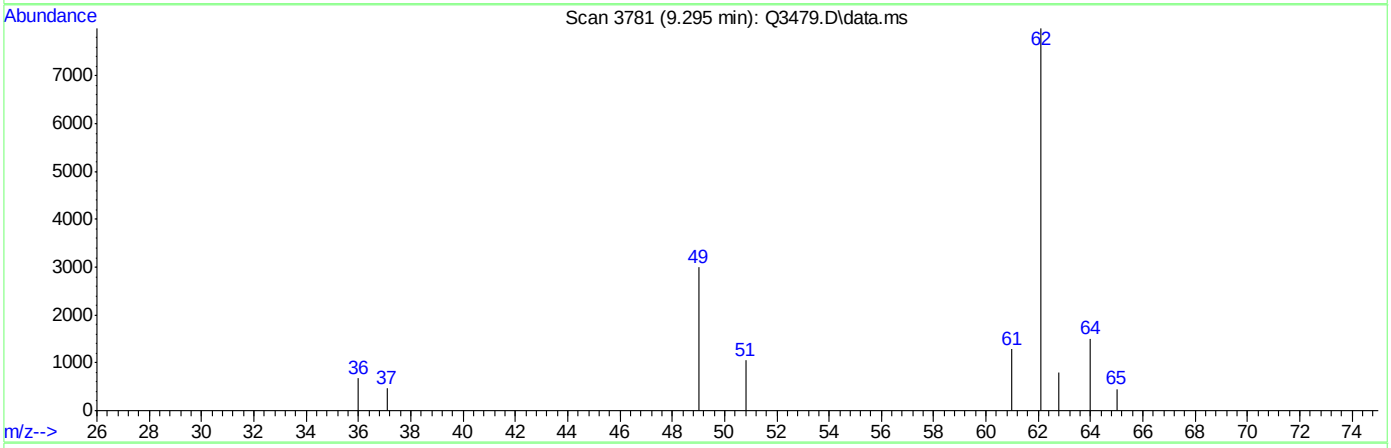
ACCUTEST Laboratories M65503

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3479.D
Acq On    : 21 May 2007   9:00 pm
Operator  : PhilipB
Sample    : IC189-.5 (M044)
Misc      : MS13602,MSQ189,,,,,1
ALS Vial  : 4   Sample Multiplier: 1

Quant Time: May 22 09:21:59 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:21:54 2007
Response via : Initial Calibration
```



TIC: Q3479.D\data.ms

(34) 1,2-DICHLOROETHANE (m)

9.295min (+0.000) 0.39PPBV

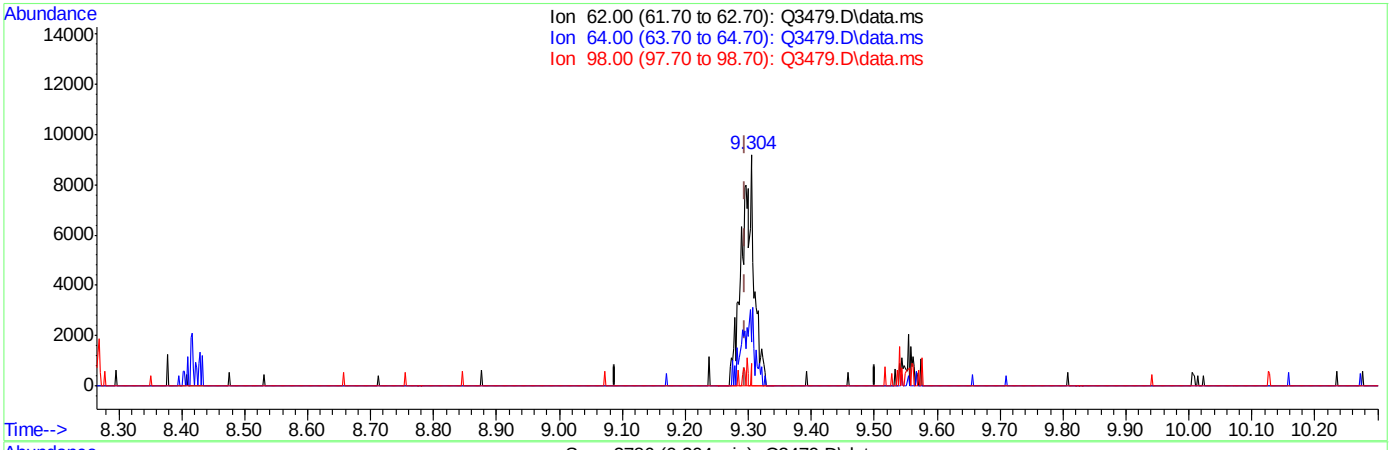
response 7963

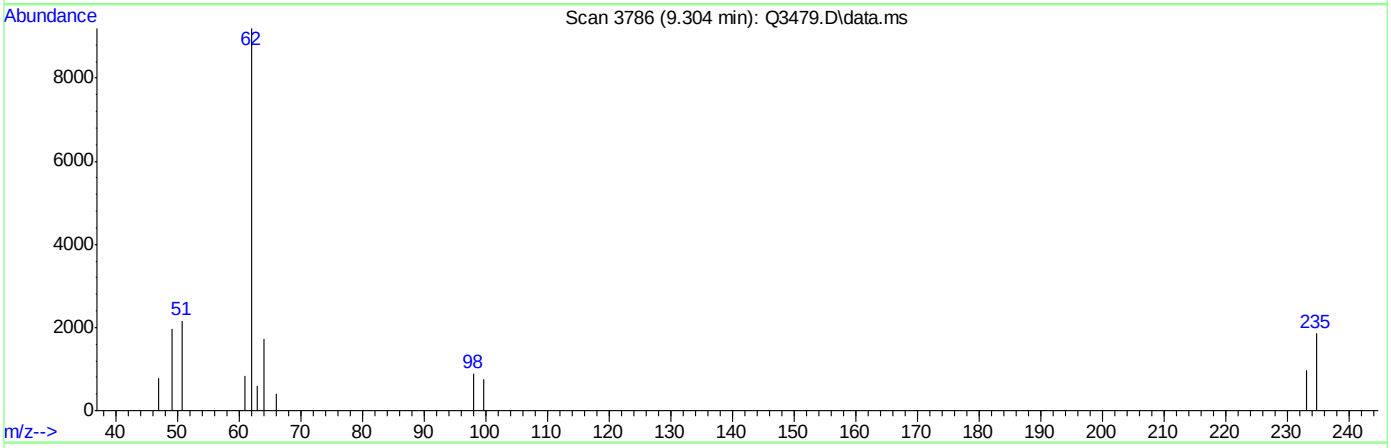
Ion	Exp%	Act%
62.00	100	100
64.00	30.70	47.75
98.00	4.60	5.73
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3479.D
Acq On : 21 May 2007 9:00 pm
Operator : PhilipB
Sample : IC189-.5 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:21:59 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:21:54 2007
Response via : Initial Calibration





TIC: Q3479.D\data.ms

(34) 1,2-DICHLOROETHANE (m)

9.304min (+0.009) 0.66PPBV m

response 13422

Ion	Exp%	Act%
62.00	100	100
64.00	30.70	28.33
98.00	4.60	3.40
0.00	0.00	0.00

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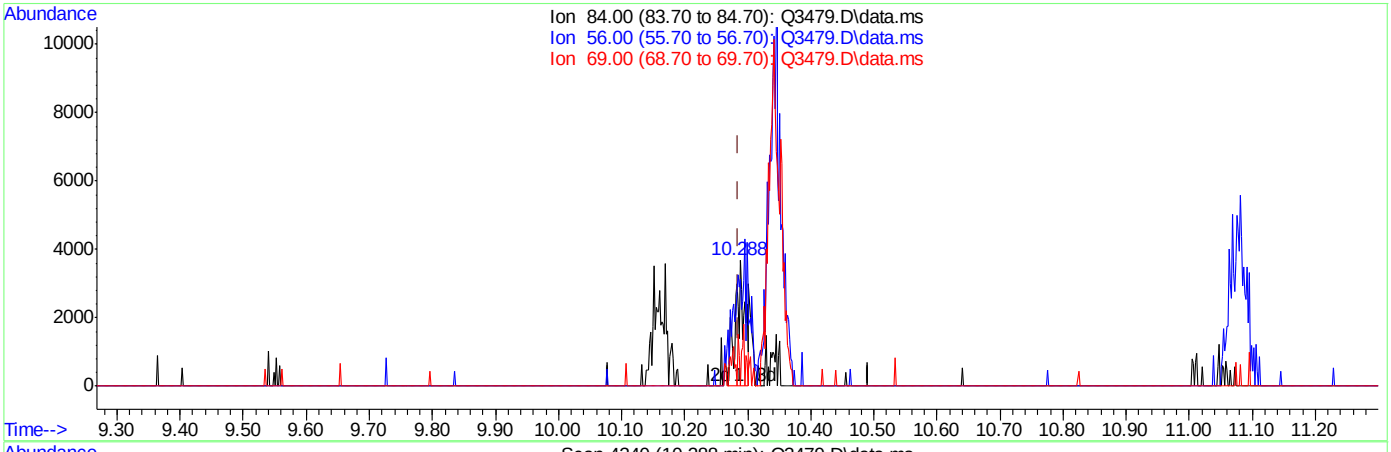
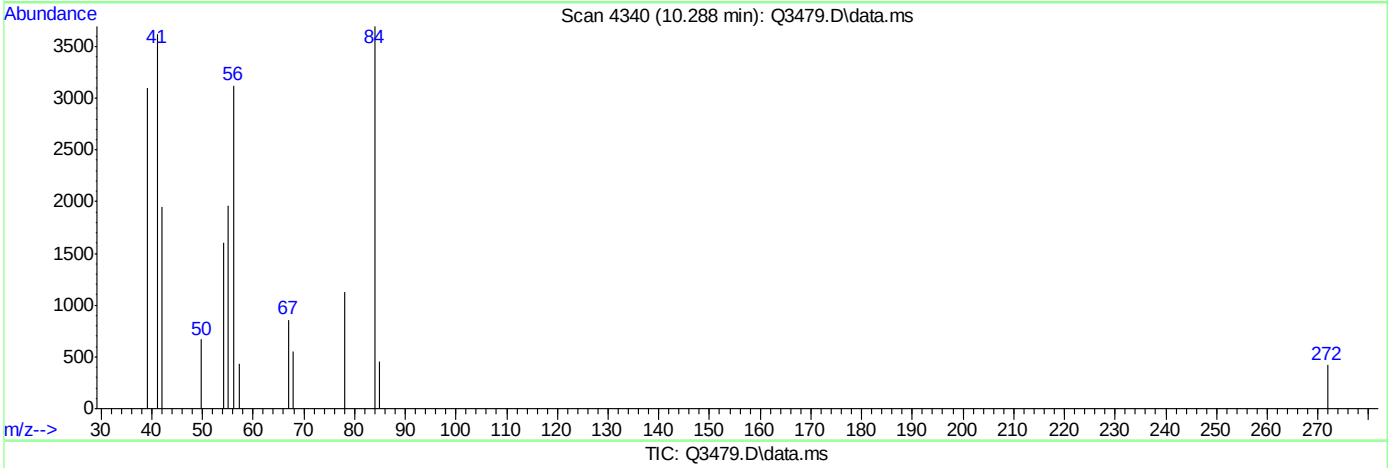
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3479.D
Acq On : 21 May 2007 9:00 pm
Operator : PhilipB
Sample : IC189-.5 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:21:59 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:21:54 2007
Response via : Initial Calibration





TIC: Q3479.D\data.ms

(37) CYCLOHEXANE (m)

10.288min (+0.002) 0.36PPBV

response 3593

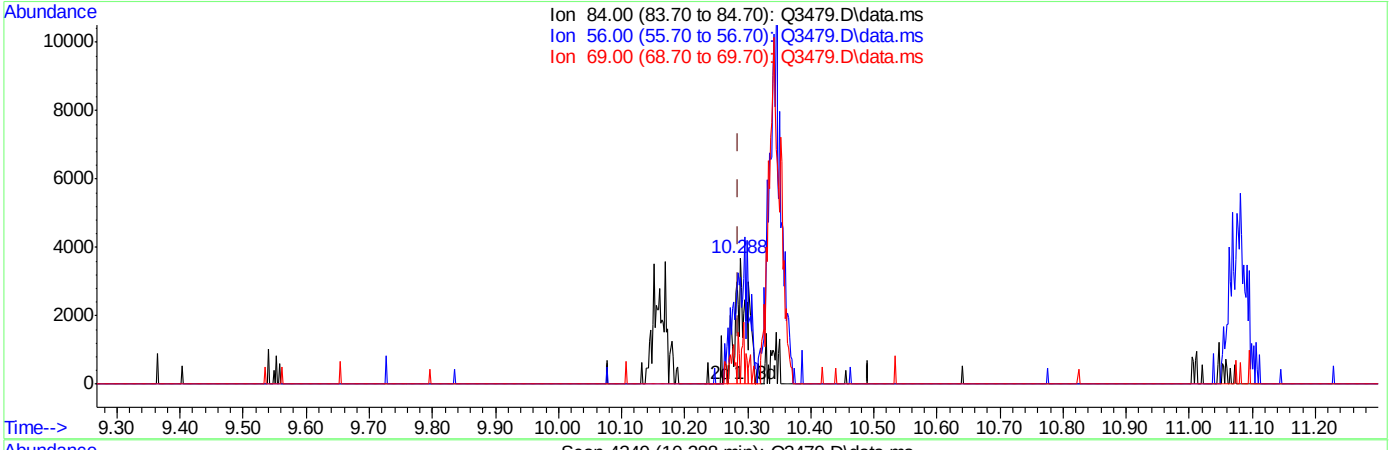
Ion	Exp%	Act%
84.00	100	100
56.00	106.20	127.39#
69.00	33.50	29.33
0.00	0.00	0.00

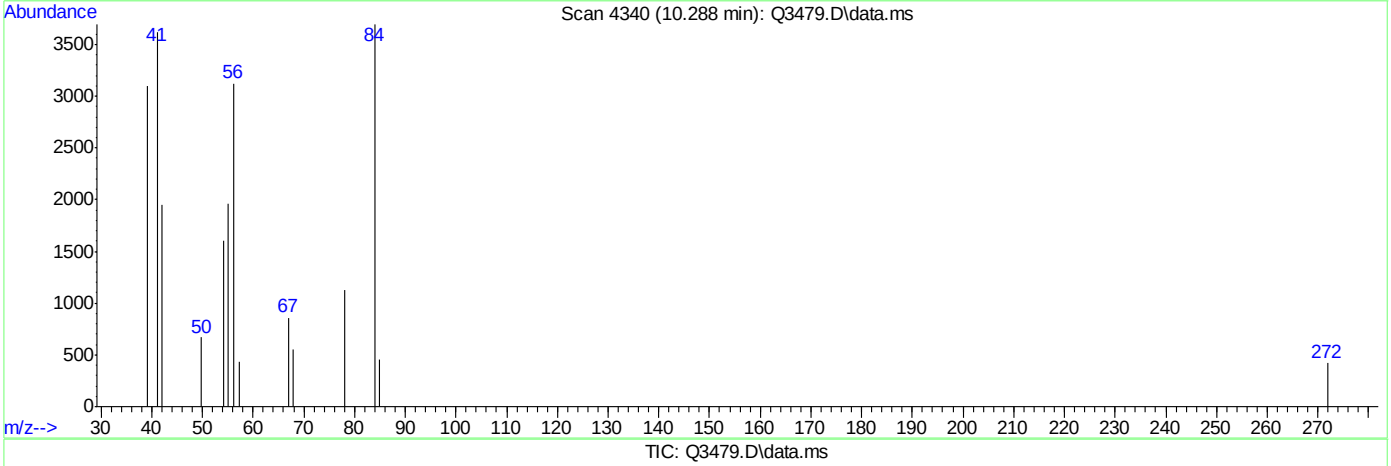
ACCUTEST Laboratories M65503

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3479.D
Acq On : 21 May 2007 9:00 pm
Operator : PhilipB
Sample : IC189-.5 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:21:59 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:21:54 2007
Response via : Initial Calibration





TIC: Q3479.D\data.ms

(37) CYCLOHEXANE (m)

10.288min (+0.002) 0.49PPBV m

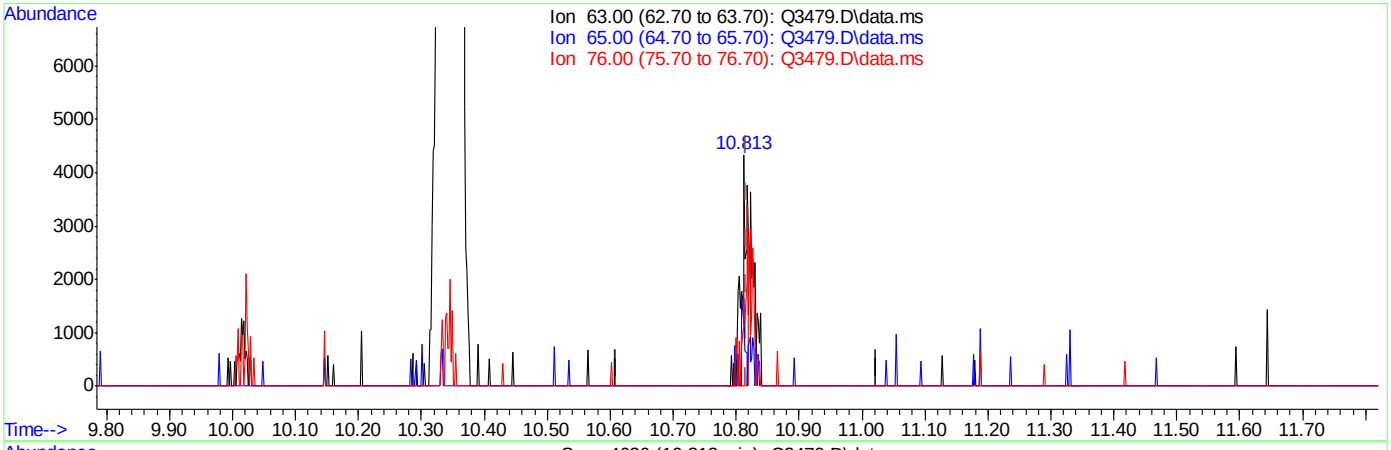
response 4975

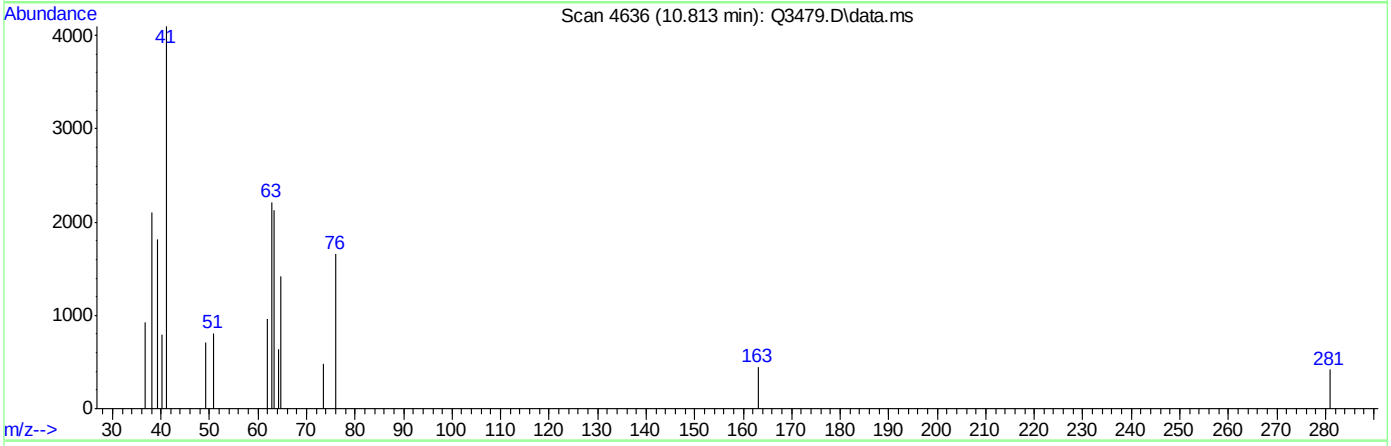
Ion	Exp%	Act%
84.00	100	100
56.00	106.20	92.00
69.00	33.50	21.19
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3479.D
Acq On : 21 May 2007 9:00 pm
Operator : PhilipB
Sample : IC189-.5 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:21:59 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:21:54 2007
Response via : Initial Calibration





TIC: Q3479.D\data.ms

(39) 1,2-DICHLOROPROPANE (m)

10.813min (-0.003) 0.30PPBV

response 2999

Ion	Exp%	Act%
63.00	100	100
65.00	30.30	42.38
76.00	92.00	58.15#
0.00	0.00	0.00

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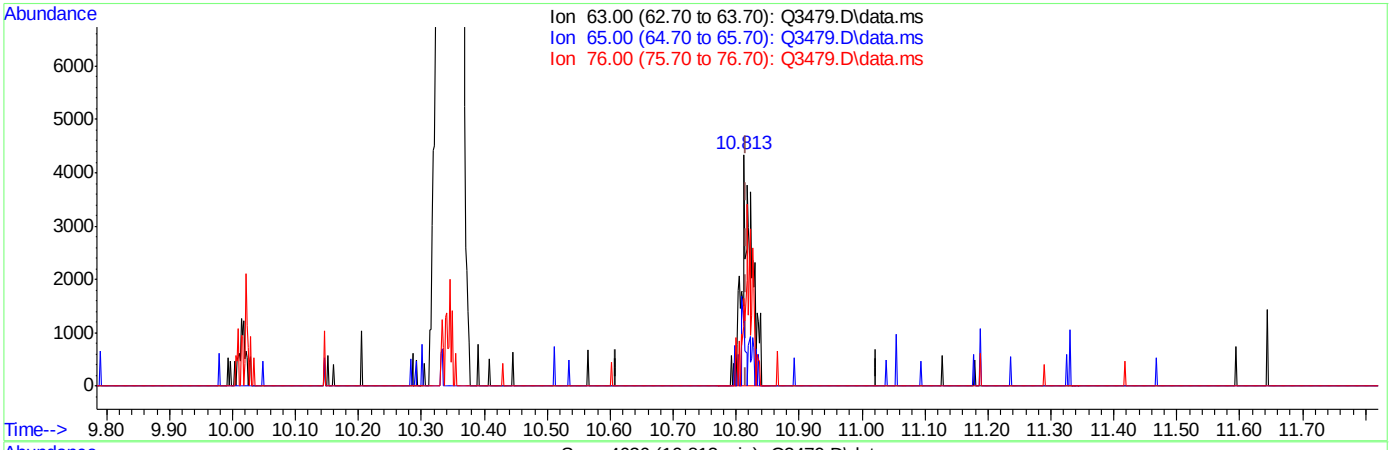
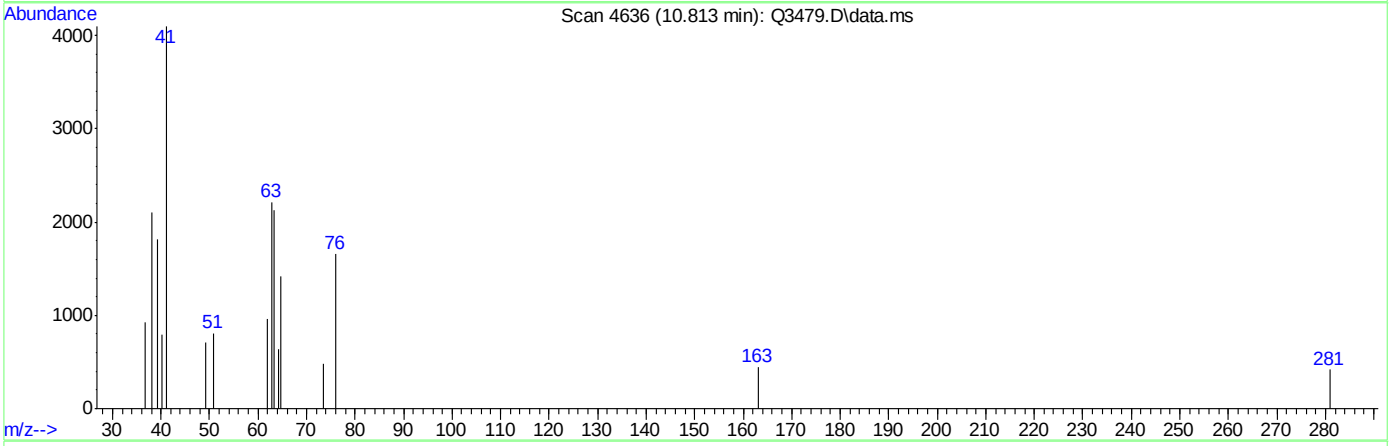
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3479.D
Acq On : 21 May 2007 9:00 pm
Operator : PhilipB
Sample : IC189-.5 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:21:59 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:21:54 2007
Response via : Initial Calibration





TIC: Q3479.D\data.ms

(39) 1,2-DICHLOROPROPANE (m)

10.813min (-0.003) 0.51PPBV m

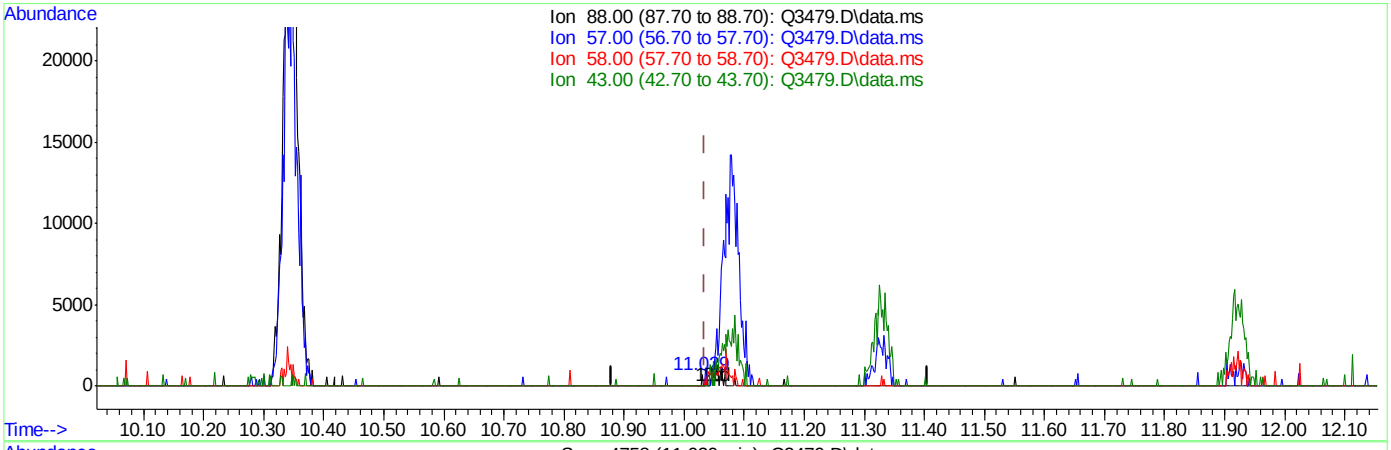
response 5084

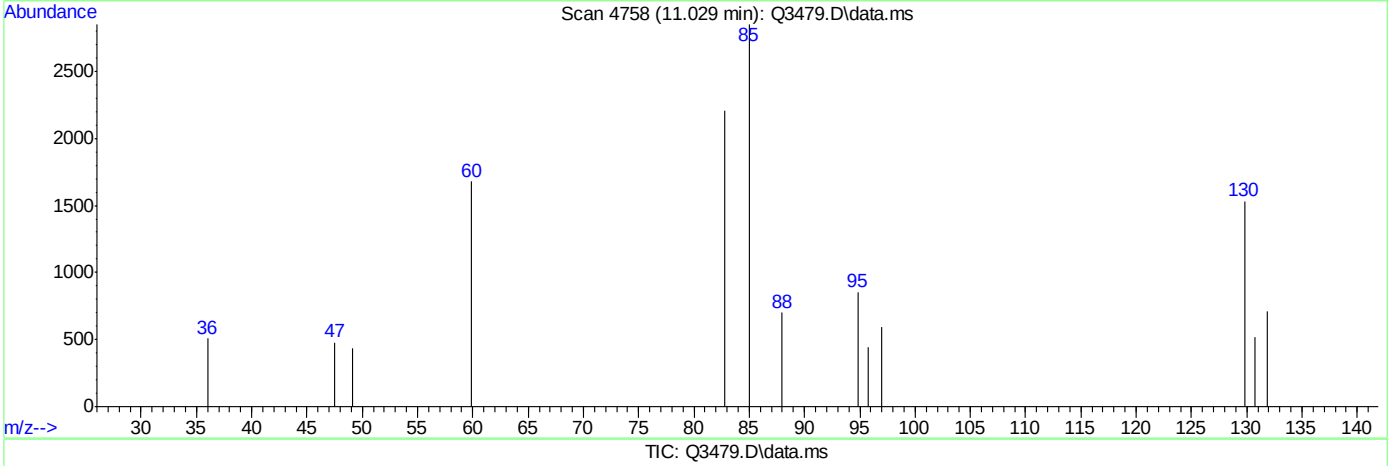
Ion	Exp%	Act%
63.00	100	100
65.00	30.30	25.00
76.00	92.00	34.30#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3479.D
Acq On : 21 May 2007 9:00 pm
Operator : PhilipB
Sample : IC189-.5 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:21:59 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:21:54 2007
Response via : Initial Calibration





TIC: Q3479.D\data.ms

(42) 1,4-DIOXANE (m)

11.029min (-0.005) 0.01PPBV

response 75

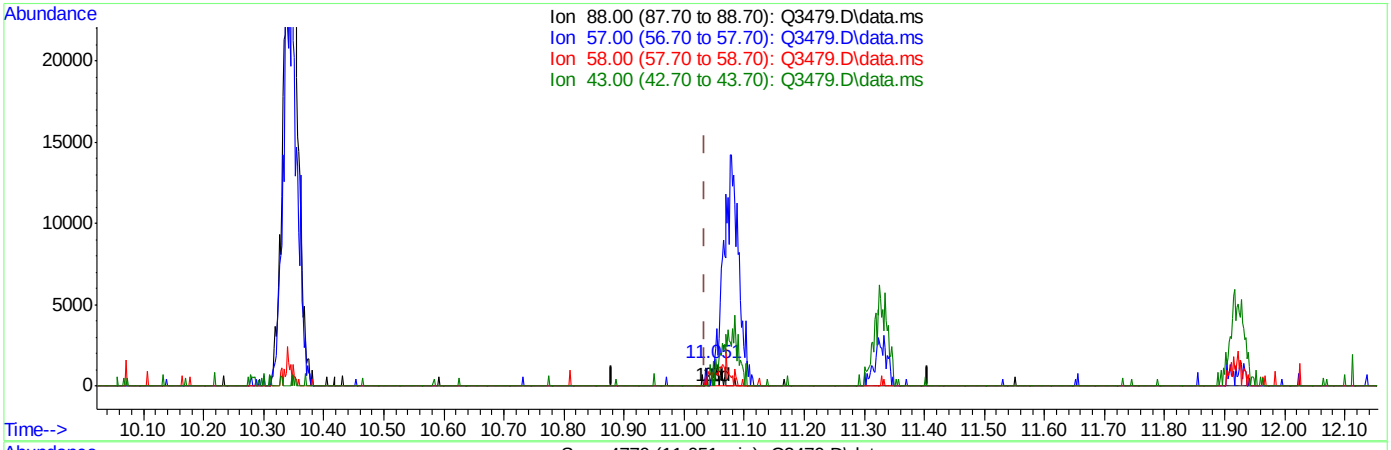
Ion	Exp%	Act%
88.00	100	100
57.00	23.90	0.00#
58.00	54.80	0.00#
43.00	32.10	0.00#

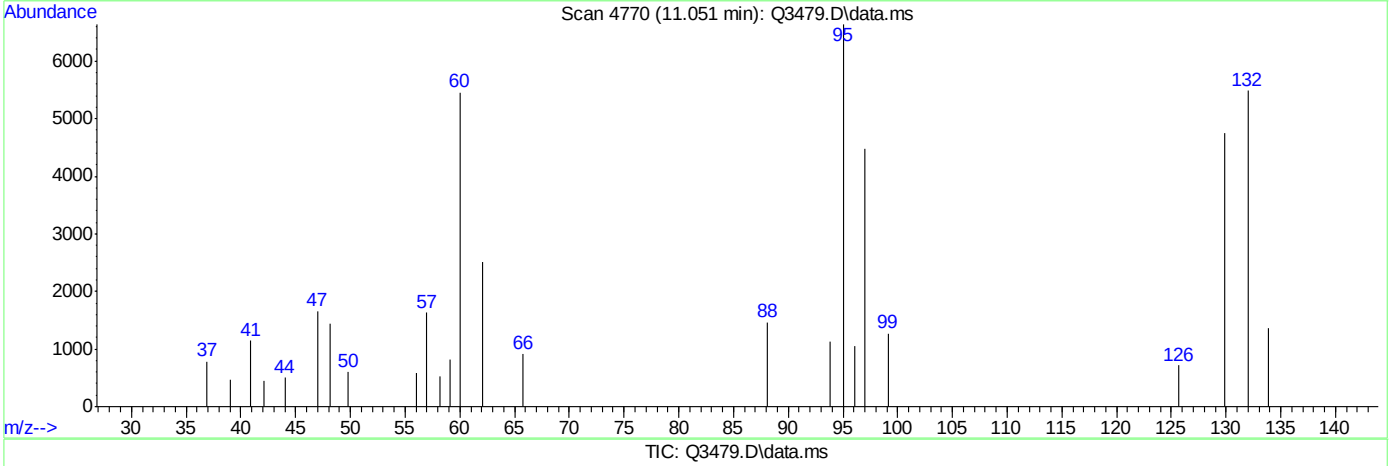
ACCUTEST Laboratories M65503

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3479.D
Acq On : 21 May 2007 9:00 pm
Operator : PhilipB
Sample : IC189-.5 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:21:59 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:21:54 2007
Response via : Initial Calibration





TIC: Q3479.D\data.ms

(42) 1,4-DIOXANE (m)

11.051min (+0.016) 0.27PPBV m

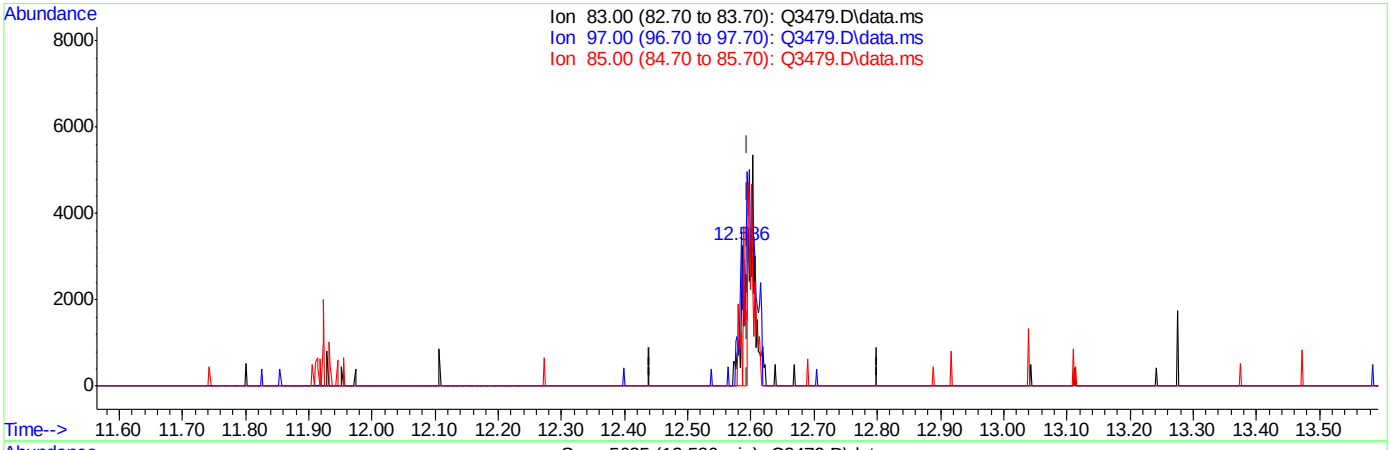
response 1388

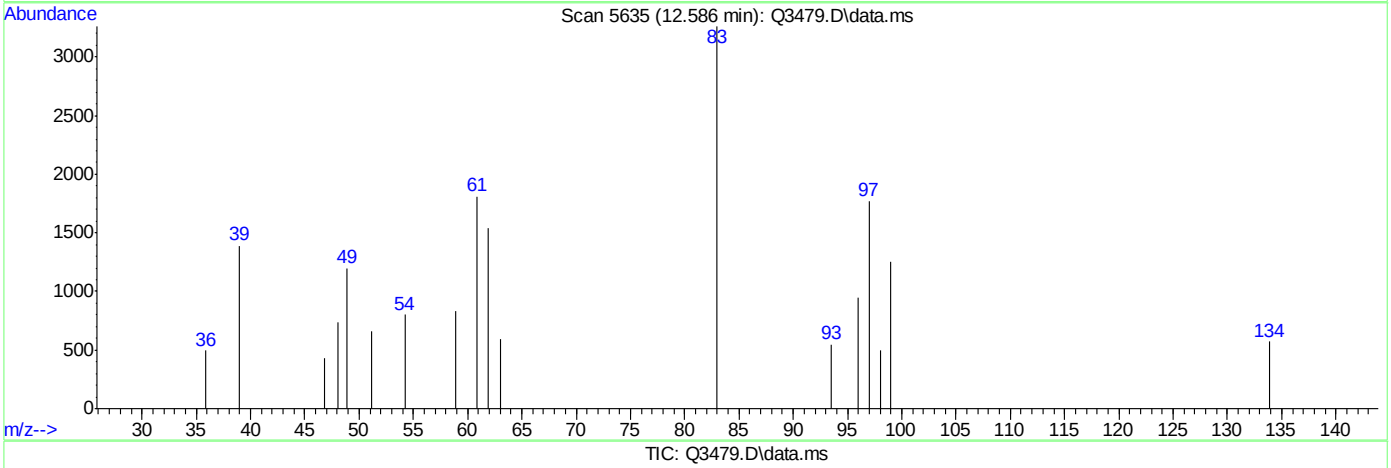
Ion	Exp%	Act%
88.00	100	100
57.00	23.90	111.84#
58.00	54.80	36.41
43.00	32.10	0.00#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3479.D
Acq On : 21 May 2007 9:00 pm
Operator : PhilipB
Sample : IC189-.5 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:21:59 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:21:54 2007
Response via : Initial Calibration





TIC: Q3479.D\data.ms

(48) 1,1,2-TRICHLOROETHANE (m)

12.586min (-0.009) 0.15PPBV

response 1924

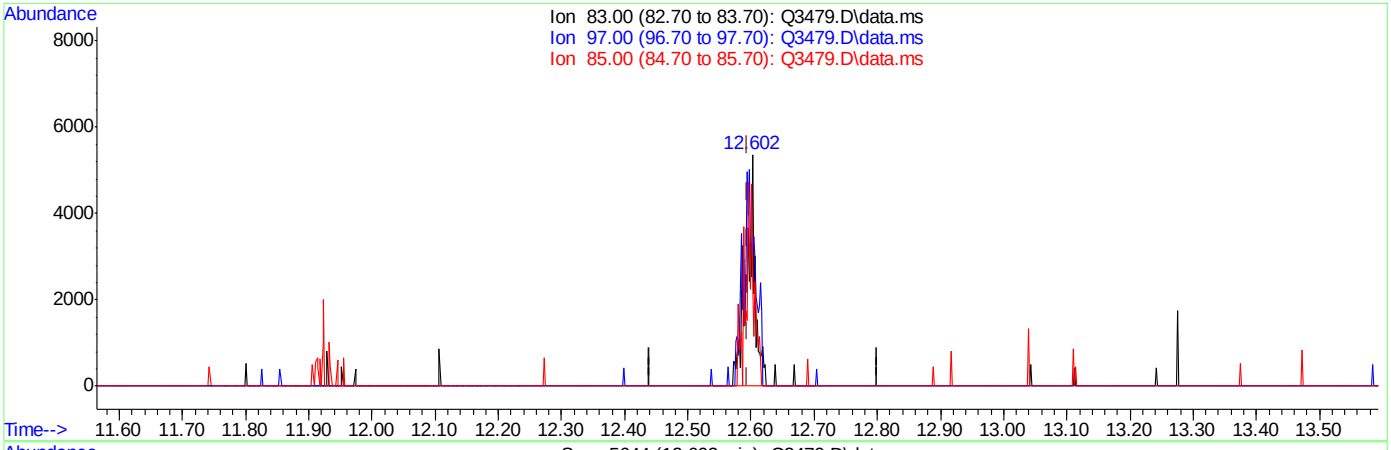
Ion	Exp%	Act%
83.00	100	100
97.00	121.10	0.00#
85.00	65.40	27.34#
0.00	0.00	0.00

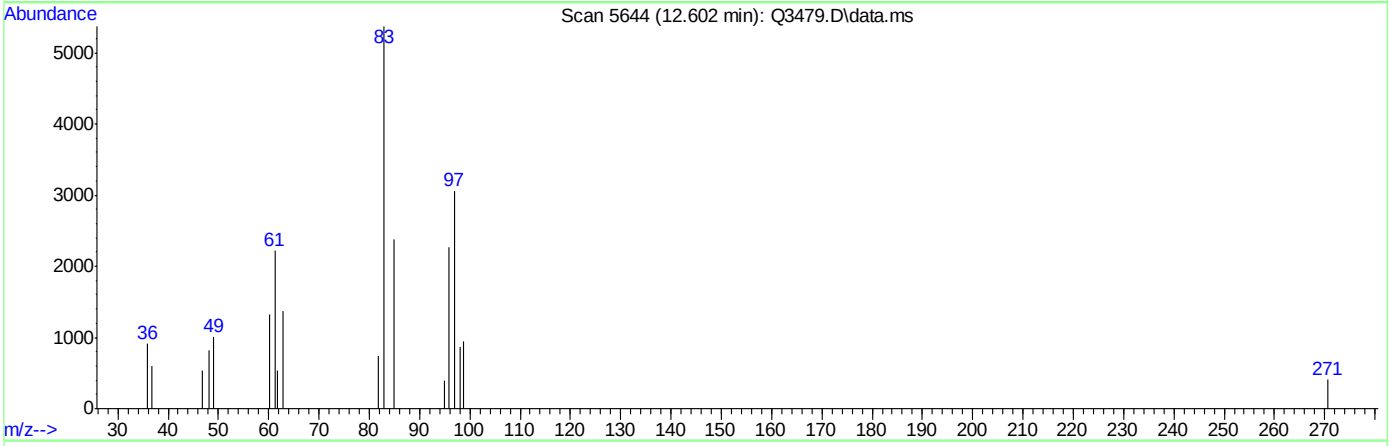
ACCUTEST Laboratories M65503

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3479.D
Acq On : 21 May 2007 9:00 pm
Operator : PhilipB
Sample : IC189-.5 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:21:59 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:21:54 2007
Response via : Initial Calibration





TIC: Q3479.D\data.ms

(48) 1,1,2-TRICHLOROETHANE (m)

12.602min (+0.007) 0.42PPBV m

response 5210

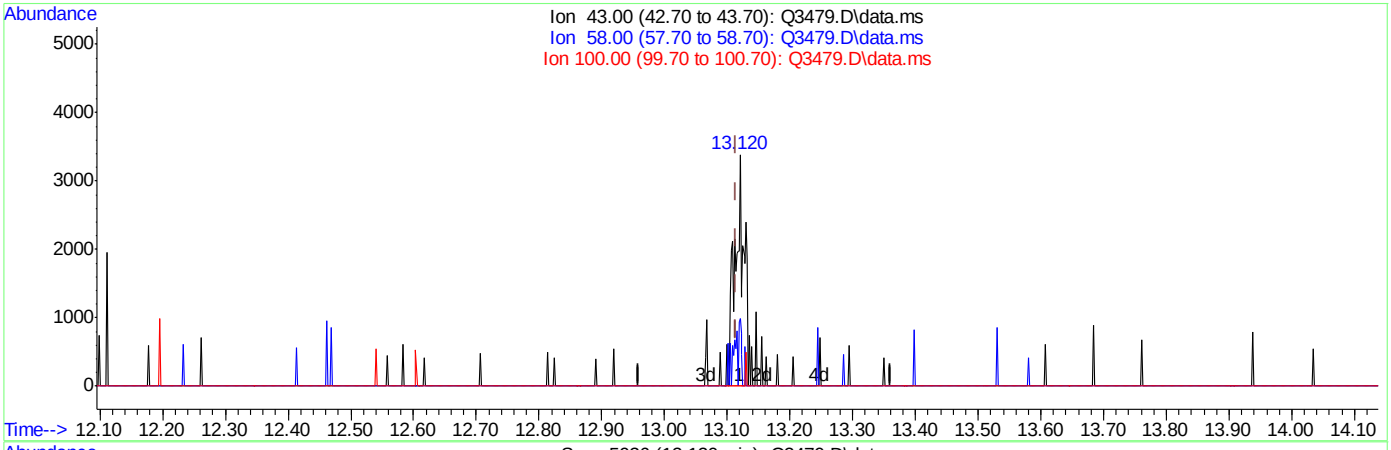
Ion	Exp%	Act%
83.00	100	100
97.00	121.10	0.00#
85.00	65.40	10.10#
0.00	0.00	0.00

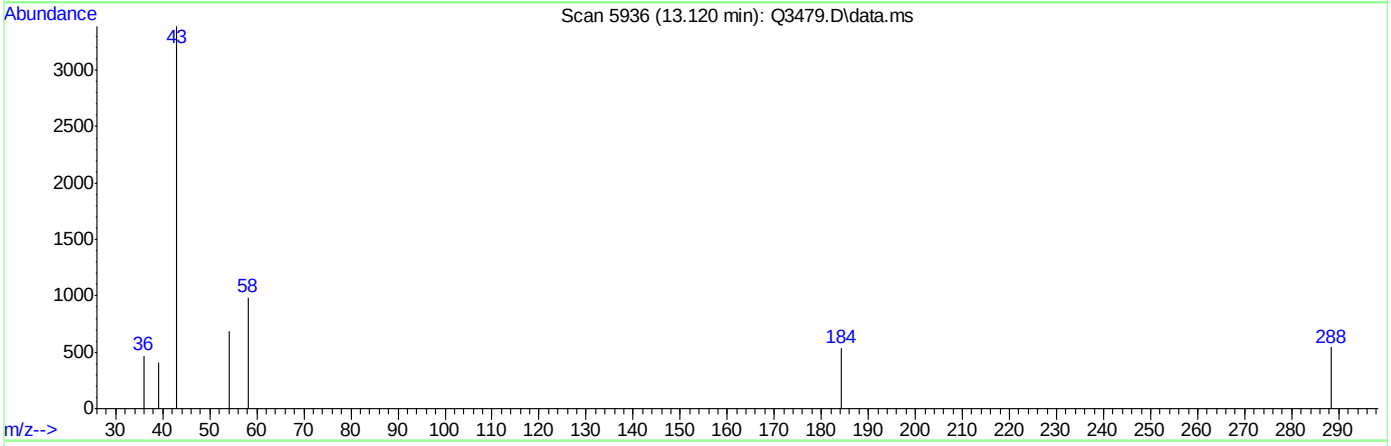
ACCUTEST Laboratories M65503

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3479.D
Acq On : 21 May 2007 9:00 pm
Operator : PhilipB
Sample : IC189-.5 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:21:59 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:21:54 2007
Response via : Initial Calibration





TIC: Q3479.D\data.ms

(50) 2-HEXANONE (m)

13.120min (+0.005) 0.16PPBV

response 3596

Ion	Exp%	Act%
43.00	100	100
58.00	40.40	11.15#
100.00	8.40	1.47
0.00	0.00	0.00

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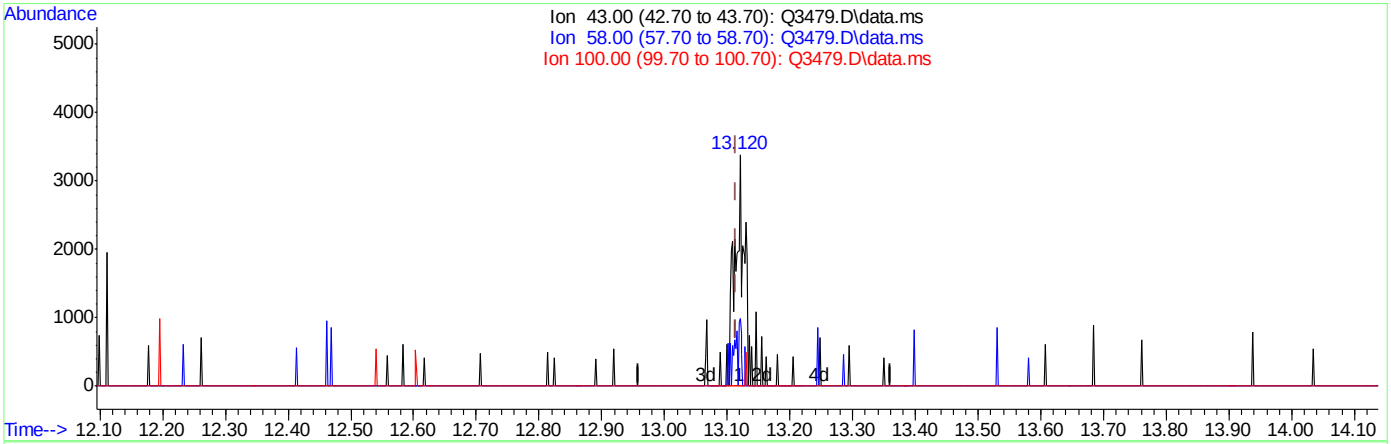
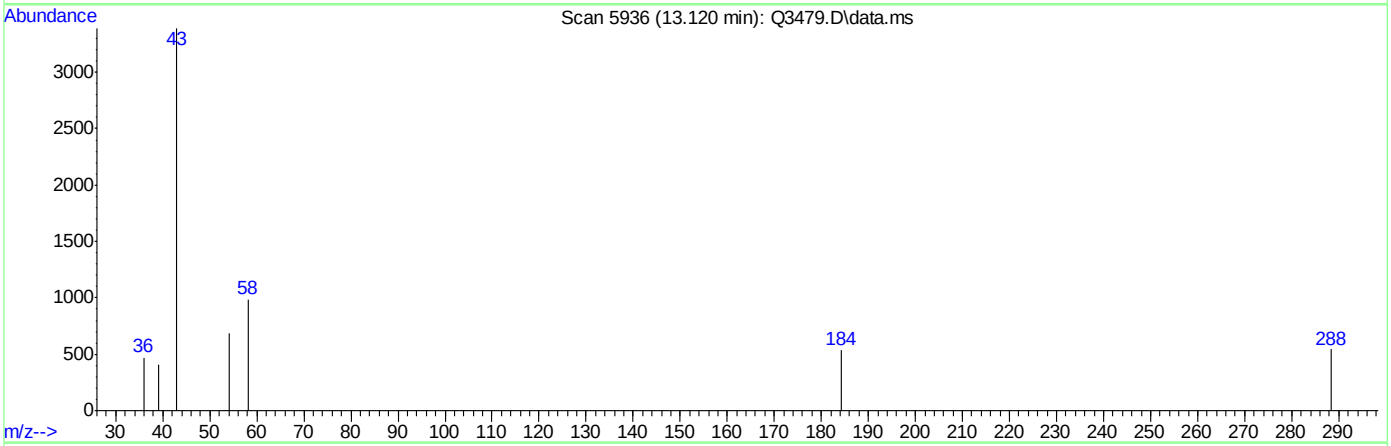
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3479.D
Acq On : 21 May 2007 9:00 pm
Operator : PhilipB
Sample : IC189-.5 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:21:59 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:21:54 2007
Response via : Initial Calibration





TIC: Q3479.D\data.ms

(50) 2-HEXANONE (m)

13.120min (+0.005) 0.18PPBV m

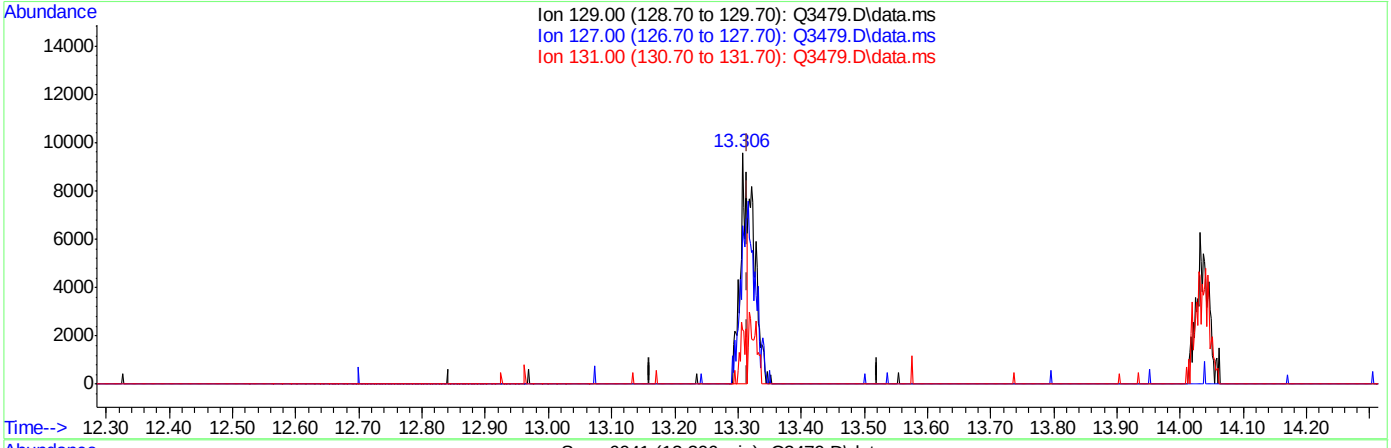
response 4045

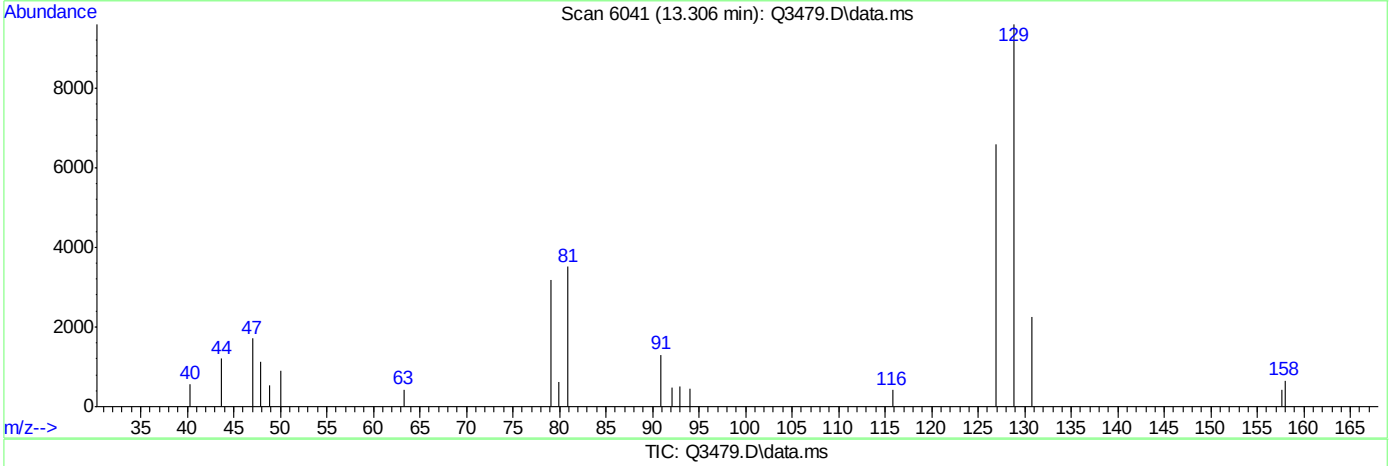
Ion	Exp%	Act%
43.00	100	100
58.00	40.40	9.91#
100.00	8.40	1.31
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3479.D
Acq On : 21 May 2007 9:00 pm
Operator : PhilipB
Sample : IC189-.5 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:21:59 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:21:54 2007
Response via : Initial Calibration





(52) DIBROMOCHLOROMETHANE (m)

13.306min (-0.009) 0.19PPBV

response 6667

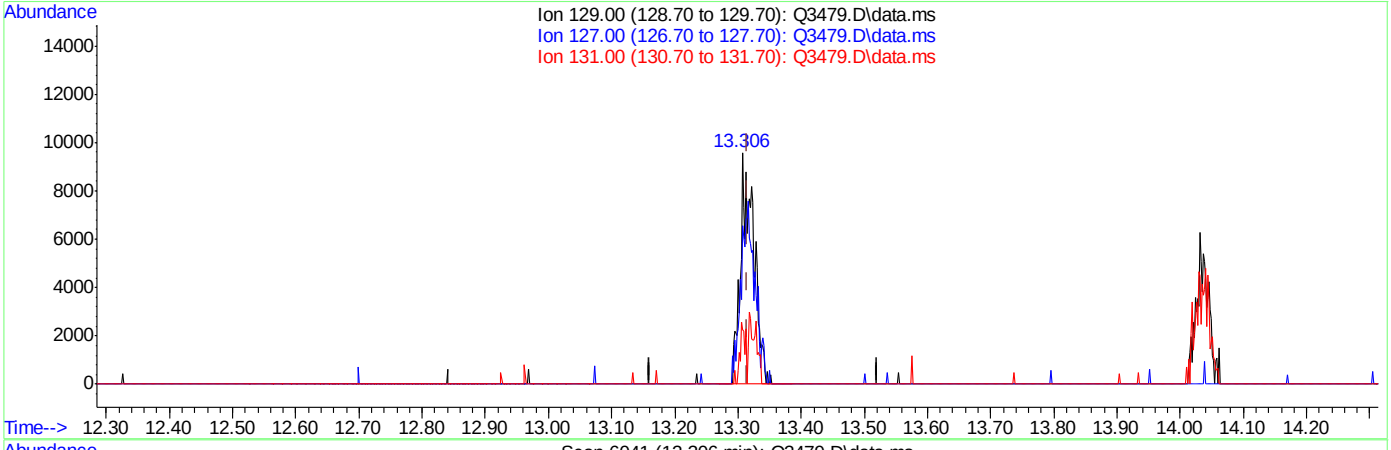
Ion	Exp%	Act%
129.00	100	100
127.00	78.00	0.00#
131.00	25.60	22.06
0.00	0.00	0.00

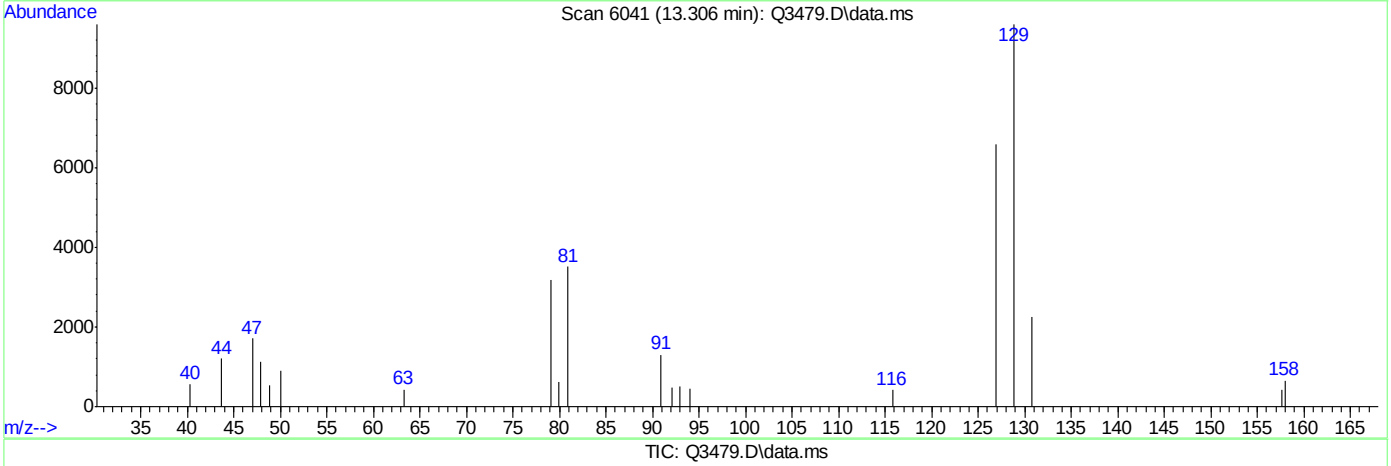
ACCUTEST Laboratories M65503

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3479.D
Acq On : 21 May 2007 9:00 pm
Operator : PhilipB
Sample : IC189-.5 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:21:59 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:21:54 2007
Response via : Initial Calibration





(52) DIBROMOCHLOROMETHANE (m)

13.306min (-0.009) 0.41PPBV m

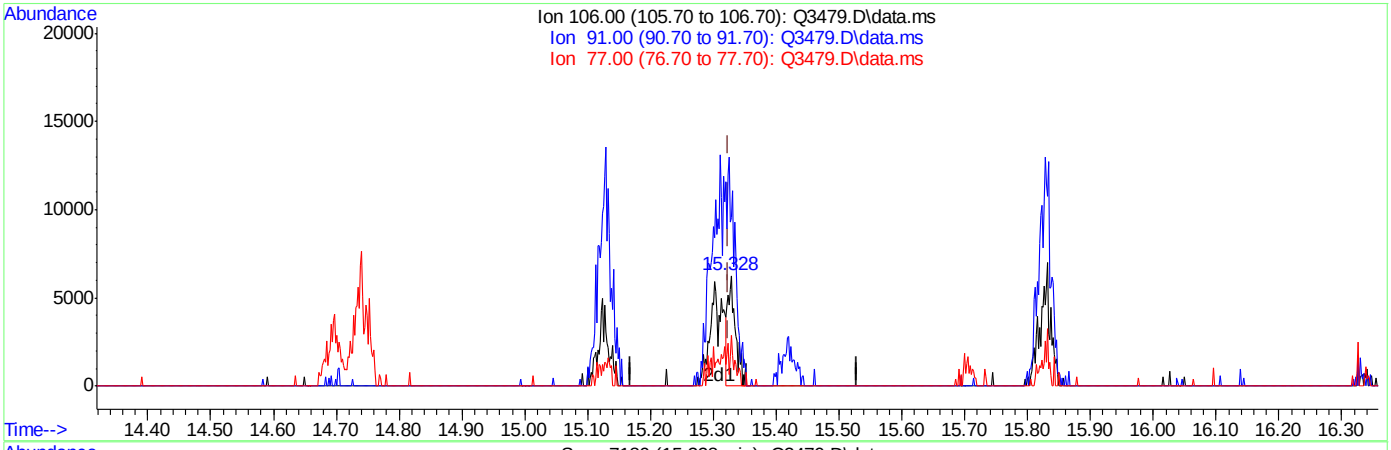
response 14101

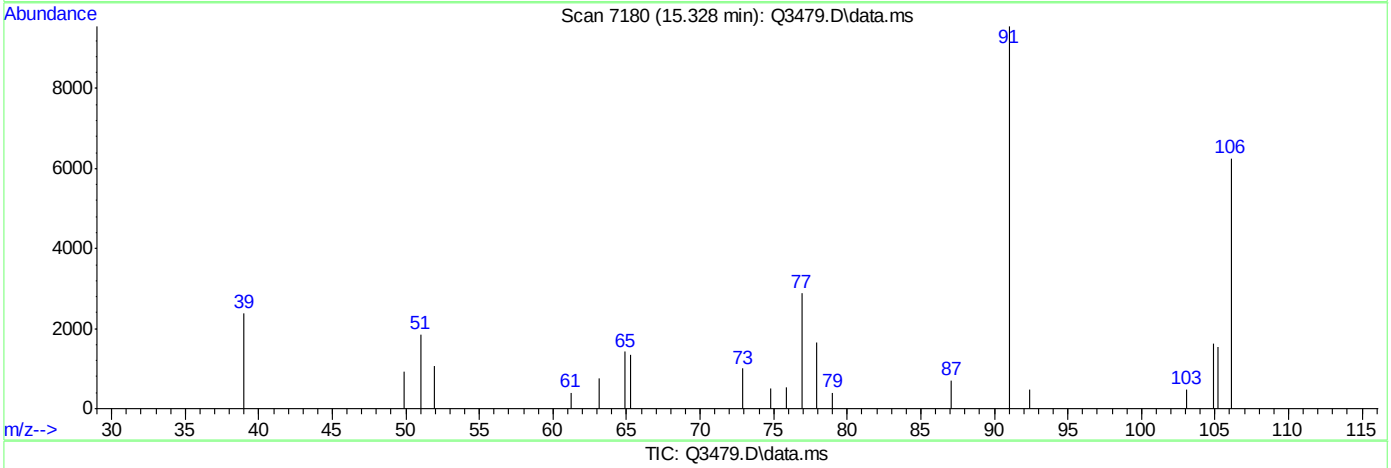
Ion	Exp%	Act%
129.00	100	100
127.00	78.00	0.00#
131.00	25.60	10.43
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3479.D
Acq On : 21 May 2007 9:00 pm
Operator : PhilipB
Sample : IC189-.5 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:21:59 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:21:54 2007
Response via : Initial Calibration





TIC: Q3479.D\data.ms

(56) m,p-XYLENE (m)

15.328min (+0.004) 0.28PPBV

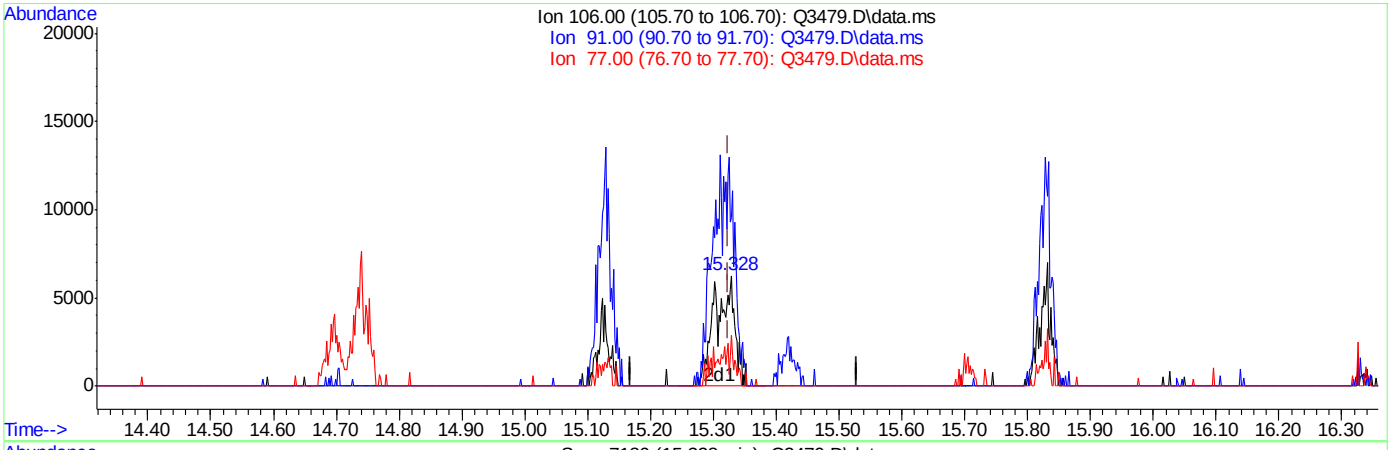
response 5501

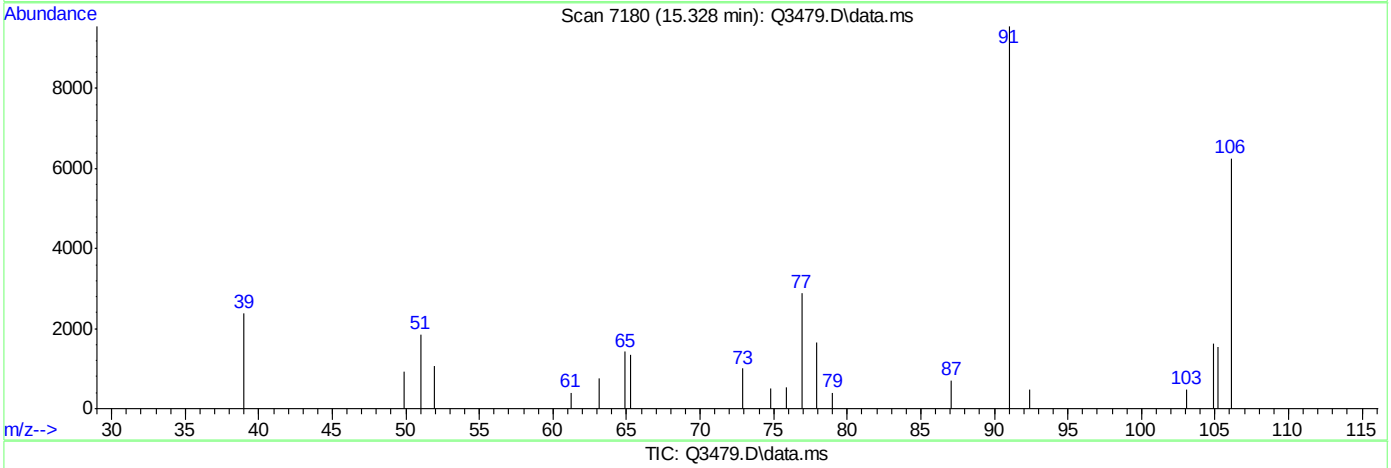
Ion	Exp%	Act%
106.00	100	100
91.00	204.20	152.59#
77.00	30.60	46.17#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3479.D
Acq On : 21 May 2007 9:00 pm
Operator : PhilipB
Sample : IC189-.5 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:21:59 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:21:54 2007
Response via : Initial Calibration





TIC: Q3479.D\data.ms

(56) m,p-XYLENE (m)

15.328min (+0.004) 0.70PPBV m

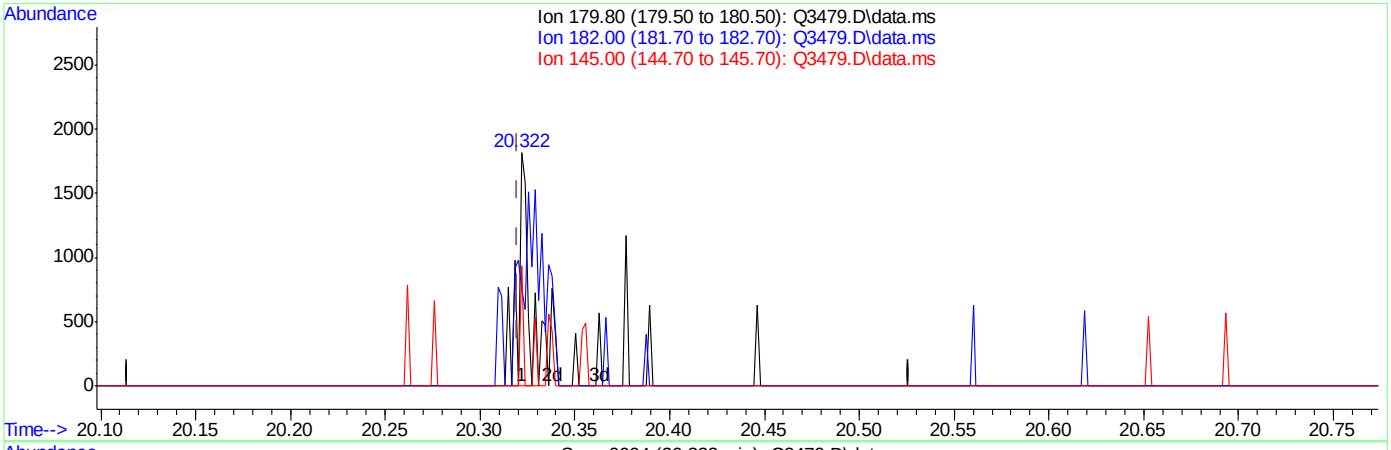
response 13556

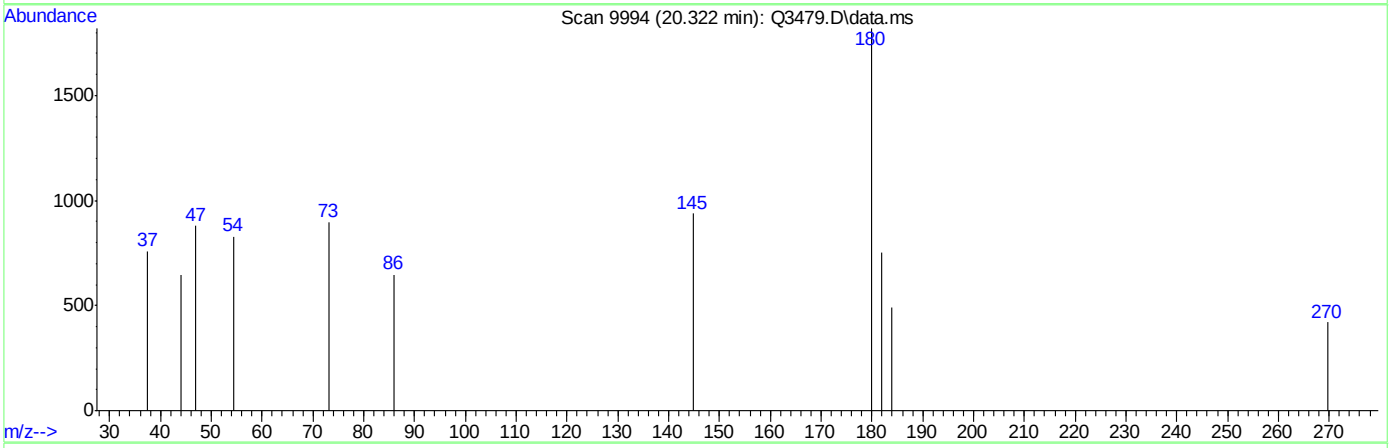
Ion	Exp%	Act%
106.00	100	100
91.00	204.20	152.59#
77.00	30.60	46.17#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3479.D
Acq On : 21 May 2007 9:00 pm
Operator : PhilipB
Sample : IC189-.5 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:21:59 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:21:54 2007
Response via : Initial Calibration





TIC: Q3479.D\data.ms

(73) 1,2,4-TRICHLOROBENZENE (m)

20.322min (+0.002) 0.15PPBV

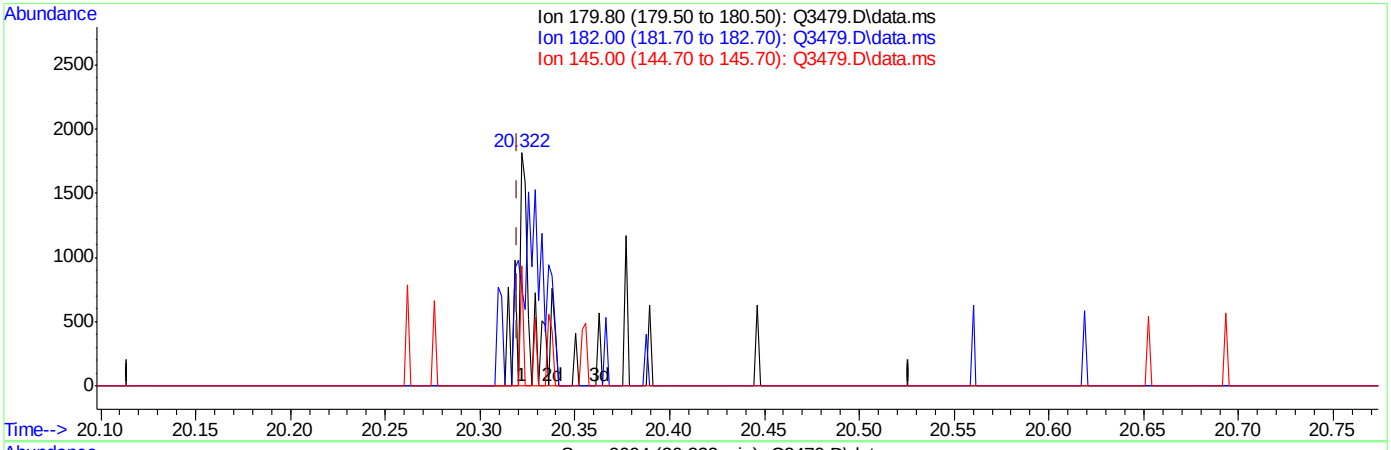
response 598

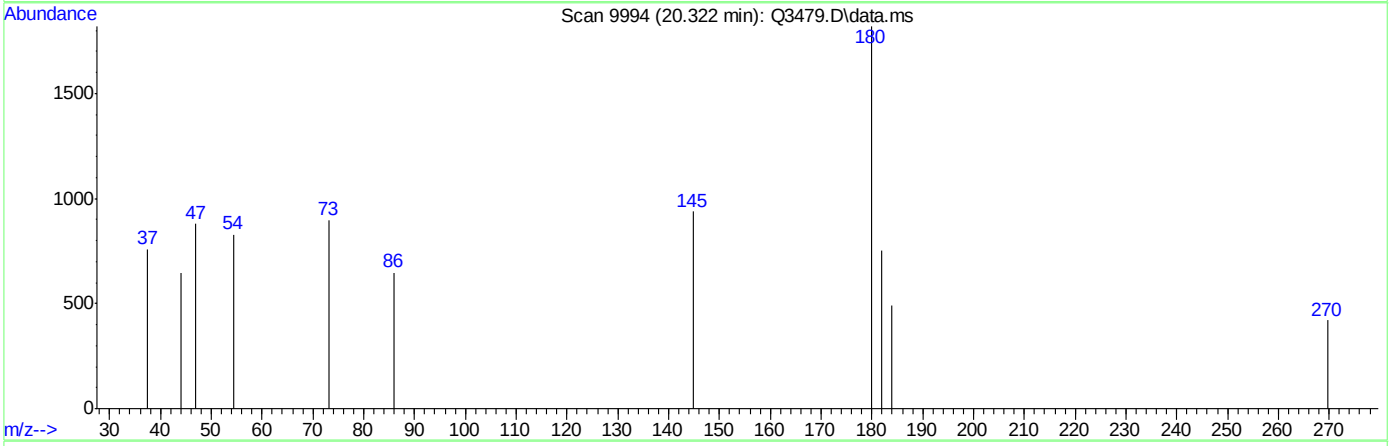
Ion	Exp%	Act%
179.80	100	100
182.00	91.20	26.09#
145.00	35.30	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3479.D
Acq On : 21 May 2007 9:00 pm
Operator : PhilipB
Sample : IC189-.5 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:21:59 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:21:54 2007
Response via : Initial Calibration





TIC: Q3479.D\data.ms

(73) 1,2,4-TRICHLOROBENZENE (m)

20.322min (+0.002) 0.22PPBV m

response 908

Ion	Exp%	Act%
179.80	100	100
182.00	91.20	17.18#
145.00	35.30	0.00#
0.00	0.00	0.00

Q3480.D

Manual Integrations APPROVED (compounds with "m" flag)

Doug Yargeau 05/23/07 16:02

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:31:07 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.426	128	48618	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.346	114	225306	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.698	117	206831	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.336	95	78406	4.95	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 99.00%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	3.605	85	7882	0.19	PPBV	76
4) FREON 114	3.868	85	7160	0.19	PPBV #	100
5) CHLOROMETHANE	3.765	50	2200	0.25	PPBV	97
6) VINYL CHLORIDE	3.989	62	1801	0.20	PPBV #	47
7) 1,3-BUTADIENE	4.127	39	2197	0.22	PPBV #	100
8) BROMOMETHANE	4.401	94	2892m	0.27	PPBV	
9) CHLOROETHANE	4.594	64	1343m	0.31	PPBV	
10) TRICHLOROFLUOROMETHANE	5.398	101	14660	0.25	PPBV #	100
11) ISOPROPYL ALCOHOL	5.464	45	7493	0.42	PPBV	69
12) ACETONE	5.212	43	8524	0.41	PPBV	92
13) PENTANE	5.767	42	3465	0.33	PPBV #	100
14) 1,1-DICHLOROETHYLENE	6.074	96	3003	0.24	PPBV #	18
15) CARBON DISULFIDE	6.528	76	8215m	0.26	PPBV	
17) BROMOETHENE	4.958	106	2599	0.22	PPBV #	100
18) METHYLENE CHLORIDE	6.200	84	9596	0.78	PPBV #	1
19) 3-CHLOROPROPENE	6.333	39	5194m	0.32	PPBV	
20) FREON 113	6.473	151	11185m	0.30	PPBV	
21) TRANS-1,2-DICHLOROETHY...	7.196	96	3173	0.26	PPBV #	100
22) TERTIARY BUTYL ALCOHOL	6.103	59	7161m	0.31	PPBV	
23) METHYL TERTIARY BUTYL ...	7.462	73	6844	0.25	PPBV #	100
26) VINYL ACETATE	7.533	43	2507m	0.11	PPBV	
27) 1,1-DICHLOROETHANE	7.398	63	6578	0.31	PPBV #	100
29) cis-1,2-DICHLOROETHYLENE	8.271	96	972m	0.14	PPBV	
31) CHLOROFORM	8.561	83	4772m	0.21	PPBV	
32) 1,1,1-TRICHLOROETHANE	9.546	97	5925m	0.23	PPBV	
33) CARBON TETRACHLORIDE	10.169	117	5447	0.18	PPBV	94
34) 1,2-DICHLOROETHANE	9.304	62	2936	0.19	PPBV	99
36) BENZENE	10.007	78	3853	0.20	PPBV	79
38) TRICHLOROETHYLENE	11.061	95	1958	0.16	PPBV #	8
39) 1,2-DICHLOROPROPANE	10.820	63	756	0.11	PPBV #	34
40) BROMODICHLOROMETHANE	11.010	83	3971	0.17	PPBV #	42
41) 2,2,4-TRIMETHYLPENTANE	11.081	57	5400m	0.17	PPBV	
43) HEPTANE	11.320	43	1423m	0.11	PPBV	
46) TOLUENE	12.877	92	1333m	0.10	PPBV	
48) 1,1,2-TRICHLOROETHANE	12.584	83	1143m	0.14	PPBV	
51) TETRACHLOROETHYLENE	14.030	164	1724m	0.17	PPBV	
52) DIBROMOCHLOROMETHANE	13.312	129	3752m	0.16	PPBV	
53) 1,2-DIBROMOETHANE	13.573	107	1447m	0.08	PPBV	
62) 1,1,2,2-TETRACHLOROETHANE	15.818	83	5486m	0.24	PPBV	
63) ISOPROPYLBENZENE	16.474	105	5224	0.14	PPBV	74
64) 2-CHLOROTOLUENE	17.030	91	3006m	0.11	PPBV	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:31:07 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration

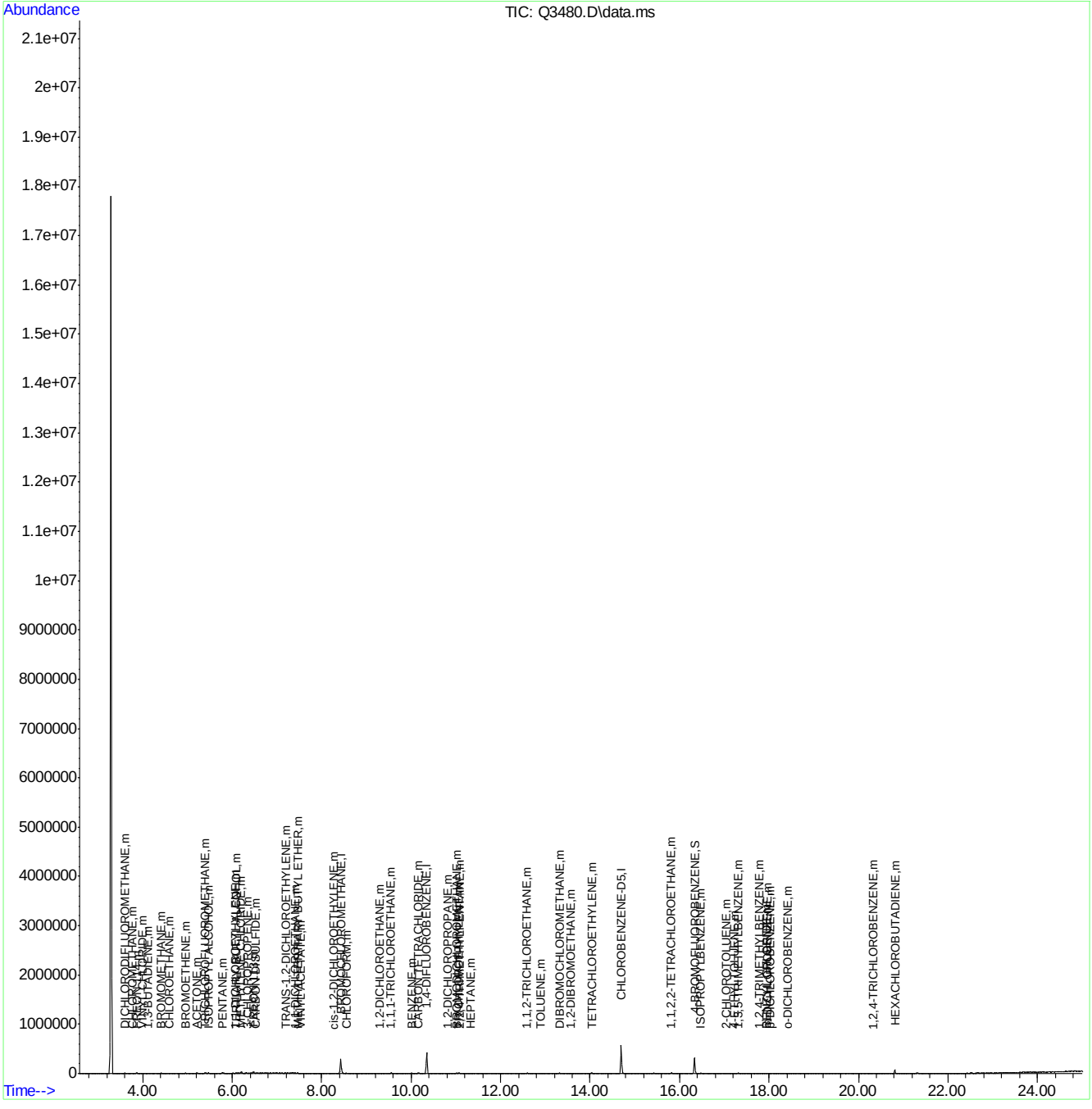
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
65) 4-ETHYLTOLUENE	17.223	105	2006m	0.06	PPBV		
66) 1,3,5-TRIMETHYLBENZENE	17.308	105	2777	0.09	PPBV		83
67) 1,2,4-TRIMETHYLBENZENE	17.775	105	1781	0.06	PPBV	#	88
68) m-DICHLOROBENZENE	17.960	146	685m	0.04	PPBV		
69) BENZYL CHLORIDE	17.937	91	813m	0.05	PPBV		
70) p-DICHLOROBENZENE	18.034	146	514m	0.03	PPBV		
71) o-DICHLOROBENZENE	18.418	146	1598m	0.10	PPBV		
72) HEXACHLOROBUTADIENE	20.808	225	7747	0.92	PPBV		92
73) 1,2,4-TRICHLOROBENZENE	20.326	180	285m	0.10	PPBV		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

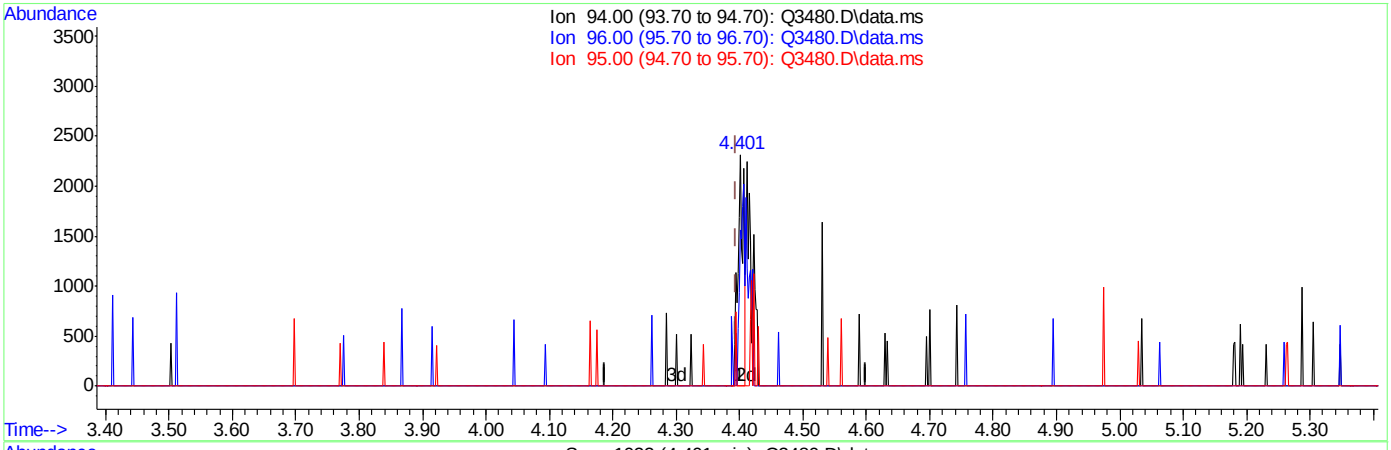
Quant Time: May 22 09:31:07 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration

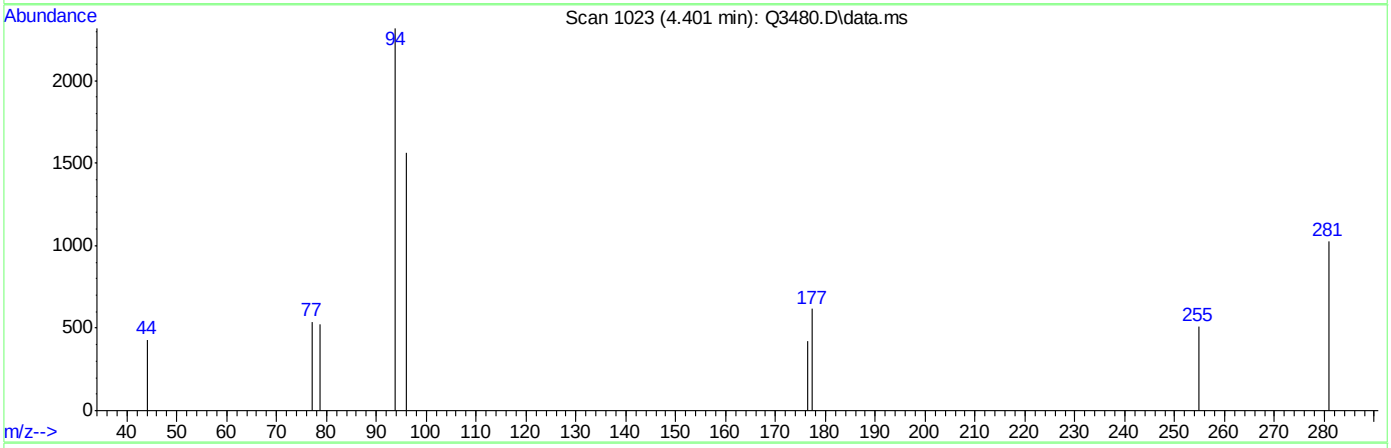


Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On    : 21 May 2007   9:43 pm
Operator  : PhilipB
Sample    : IC189-.2 (M044)
Misc      : MS13602,MSQ189,,,,,1
ALS Vial  : 4   Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration
```



TIC: Q3480.D\data.ms

(8) BROMOMETHANE (m)

4.401min (+0.006) 0.14PPBV

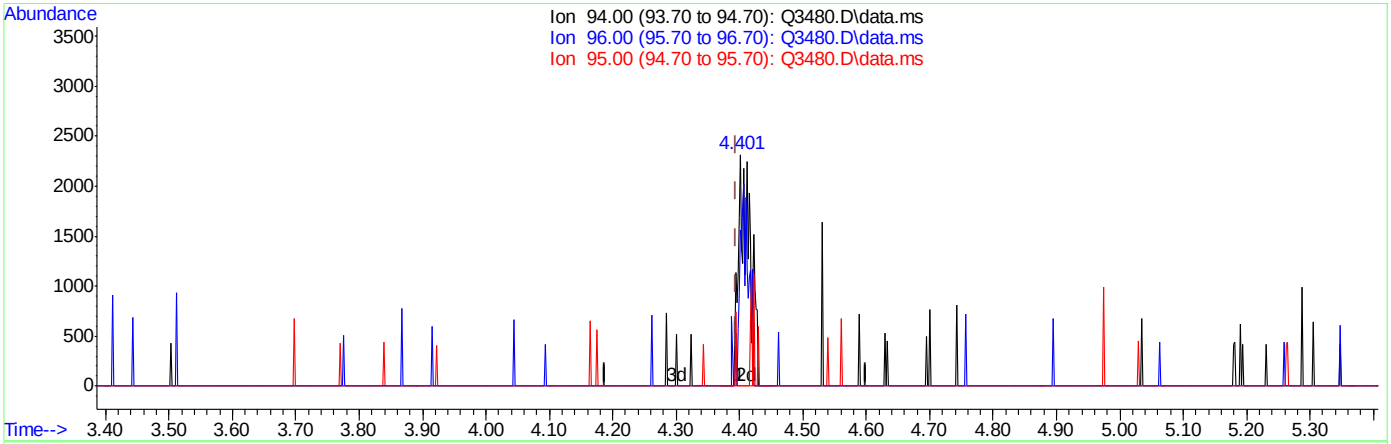
response 1429

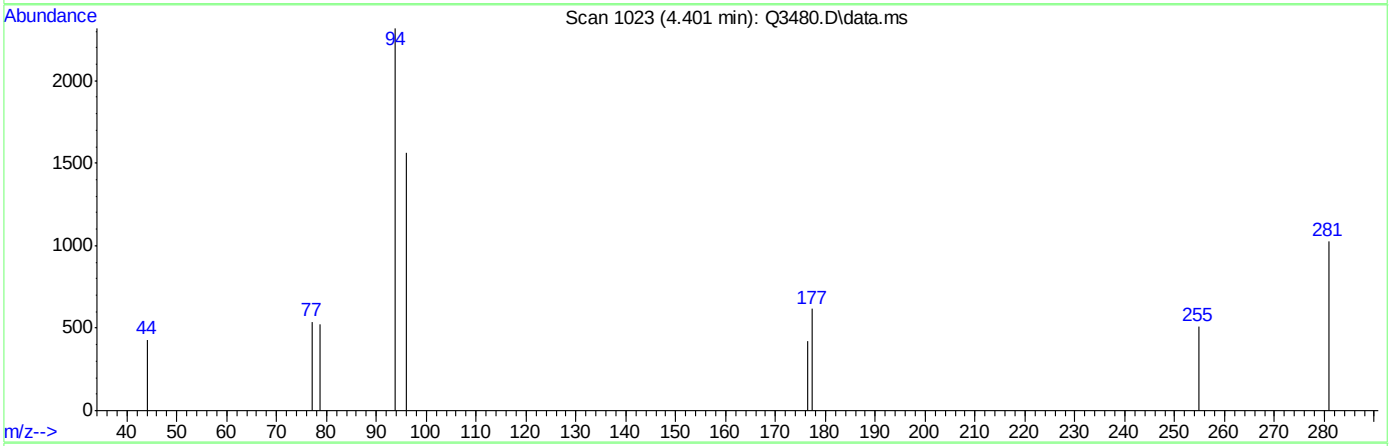
Ion	Exp%	Act%
94.00	100	100
96.00	0.00	0.00
95.00	0.00	5.53
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On    : 21 May 2007   9:43 pm
Operator  : PhilipB
Sample    : IC189-.2 (M044)
Misc      : MS13602,MSQ189,,,,,1
ALS Vial  : 4   Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration
```



TIC: Q3480.D\data.ms

(8) BROMOMETHANE (m)

4.401min (+0.006) 0.27PPBV m

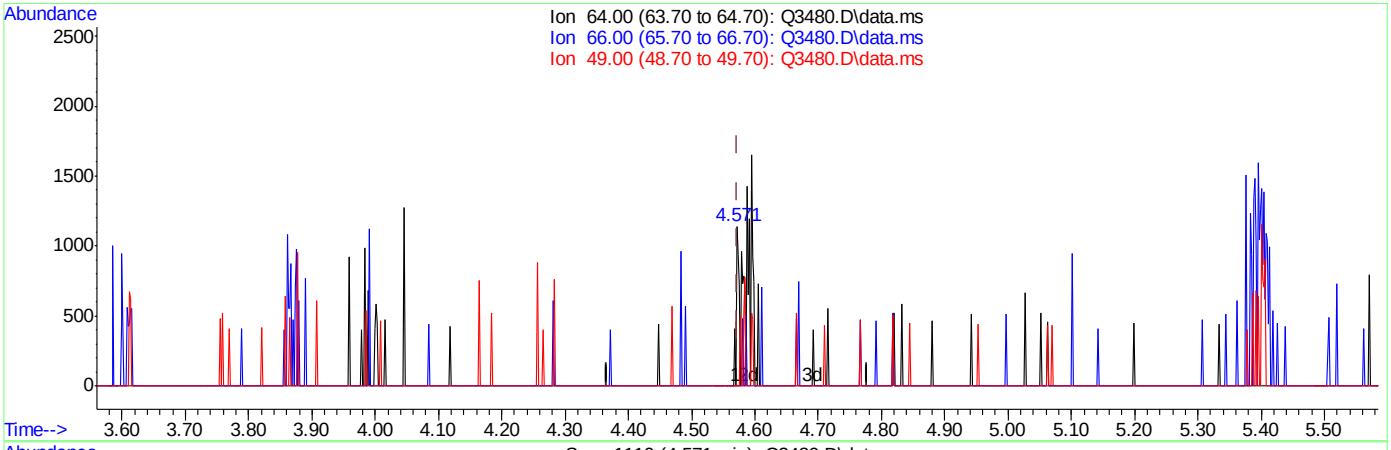
response 2892

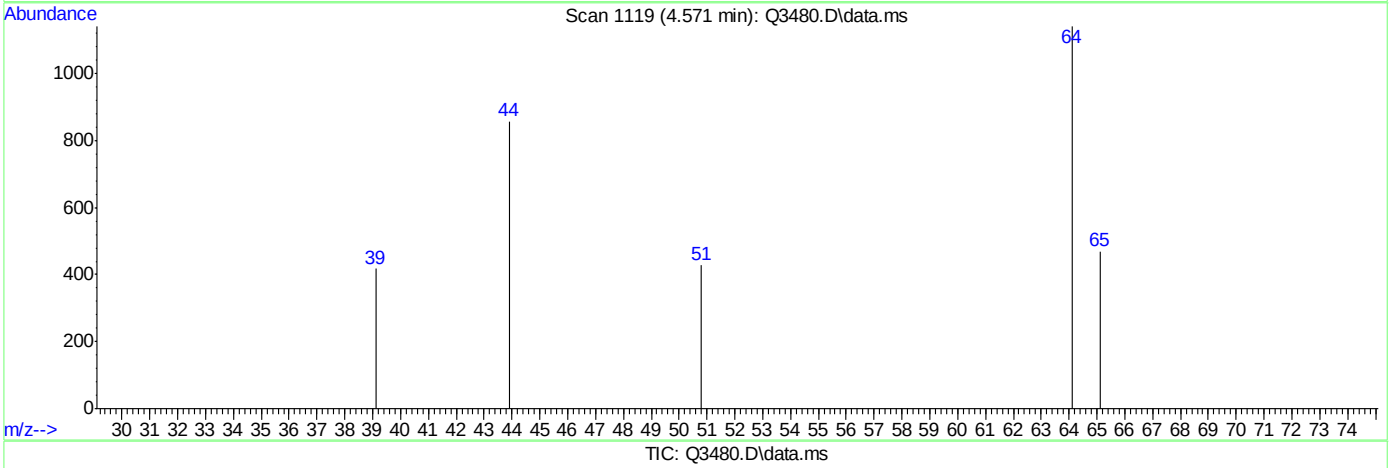
Ion	Exp%	Act%
94.00	100	100
96.00	0.00	0.00
95.00	0.00	2.73
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On    : 21 May 2007   9:43 pm
Operator  : PhilipB
Sample    : IC189-.2 (M044)
Misc      : MS13602,MSQ189,,,,,1
ALS Vial  : 4   Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration
```



TIC: Q3480.D\data.ms

(9) CHLOROETHANE (m)

4.571min (-0.002) 0.16PPBV

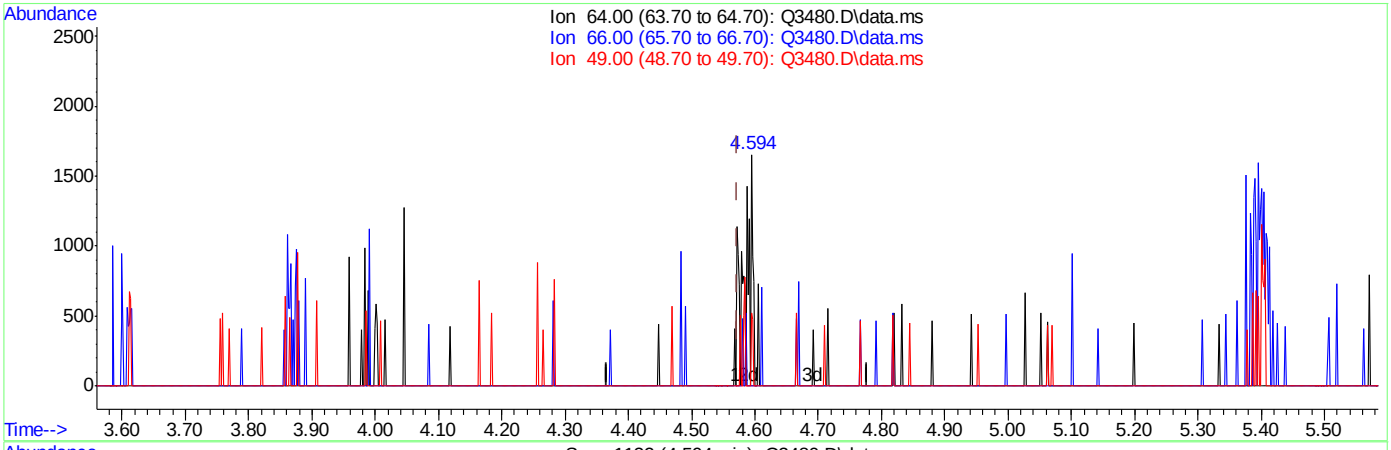
response 683

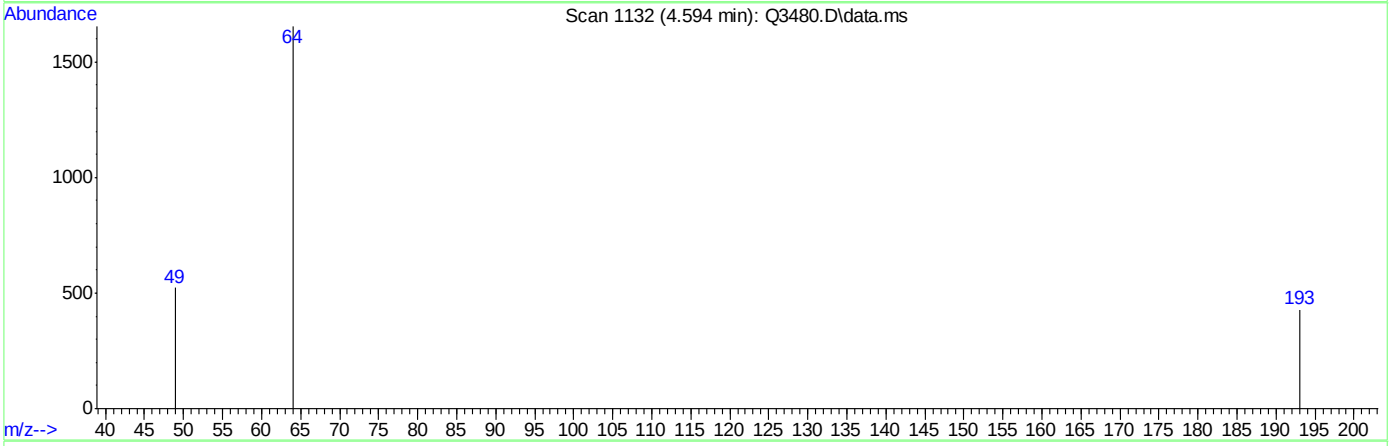
Ion	Exp%	Act%
64.00	100	100
66.00	0.00	15.81
49.00	0.00	27.96#
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On    : 21 May 2007   9:43 pm
Operator  : PhilipB
Sample    : IC189-.2 (M044)
Misc      : MS13602,MSQ189,,,,,1
ALS Vial  : 4   Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration
```



TIC: Q3480.D\data.ms

(9) CHLOROETHANE (m)

4.594min (+0.021) 0.31PPBV m

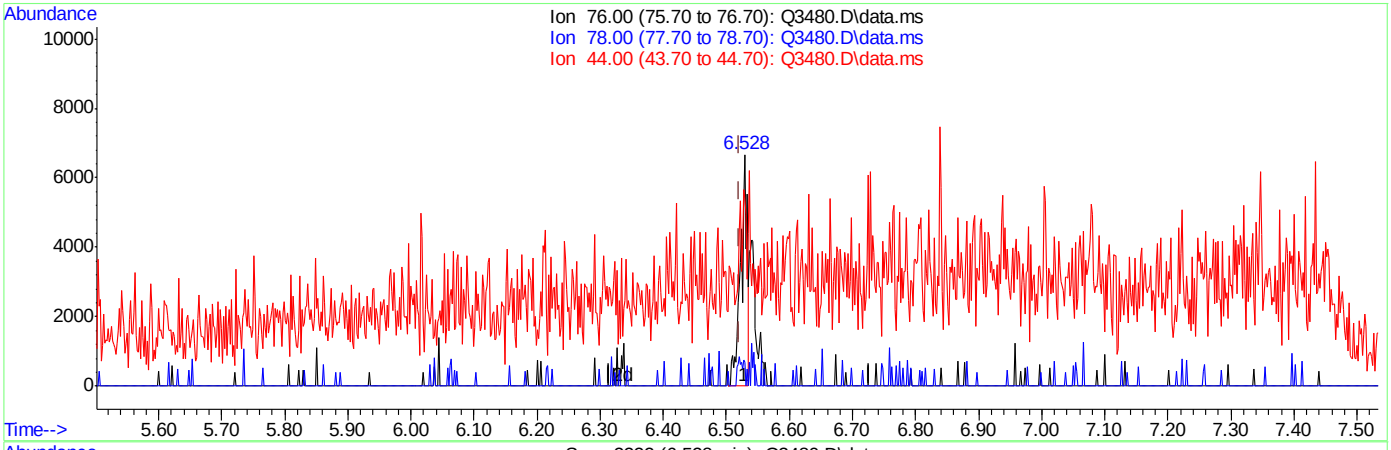
response 1343

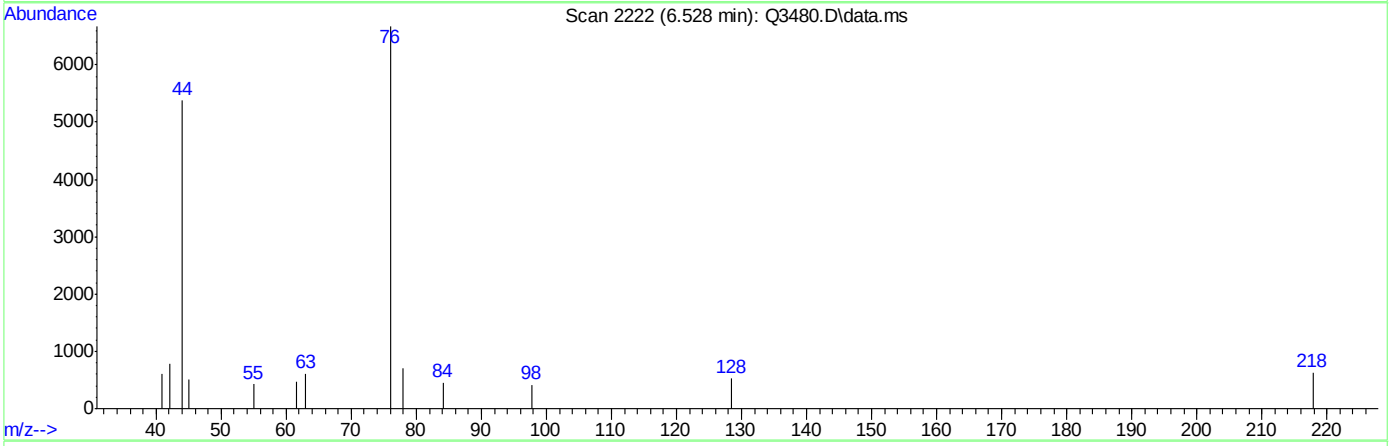
Ion	Exp%	Act%
64.00	100	100
66.00	0.00	8.04
49.00	0.00	14.22
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On    : 21 May 2007   9:43 pm
Operator  : PhilipB
Sample    : IC189-.2 (M044)
Misc      : MS13602,MSQ189,,,,,1
ALS Vial  : 4   Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration
```



TIC: Q3480.D\data.ms

(15) CARBON DISULFIDE (m)

6.528min (+0.007) 0.15PPBV

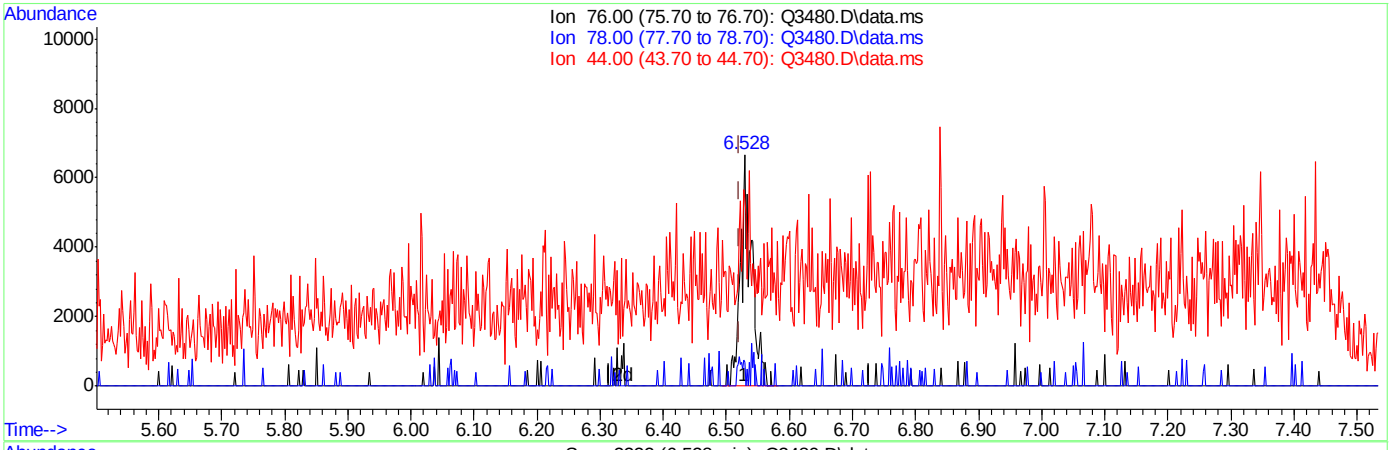
response 4815

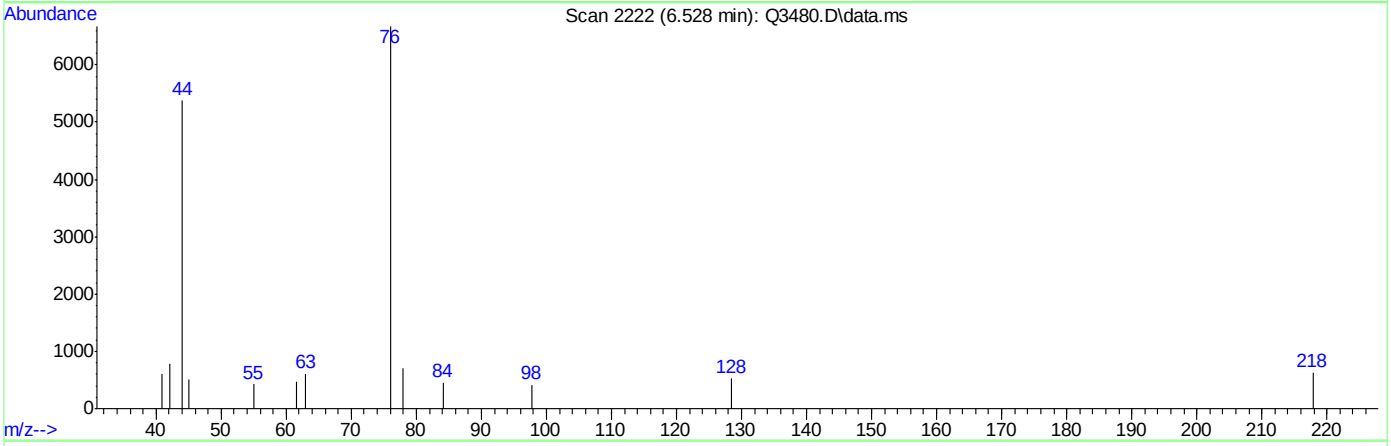
Ion	Exp%	Act%
76.00	100	100
78.00	0.00	7.41
44.00	0.70	66.31#
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On    : 21 May 2007   9:43 pm
Operator  : PhilipB
Sample    : IC189-.2 (M044)
Misc      : MS13602,MSQ189,,,,,1
ALS Vial  : 4   Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration
```



TIC: Q3480.D\data.ms

(15) CARBON DISULFIDE (m)

6.528min (+0.007) 0.26PPBV m

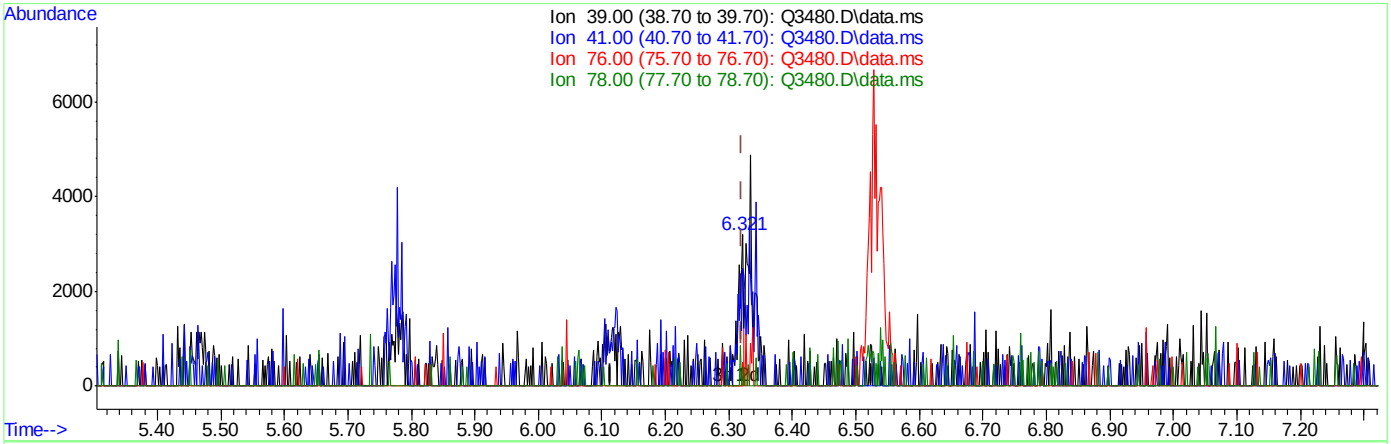
response 8215

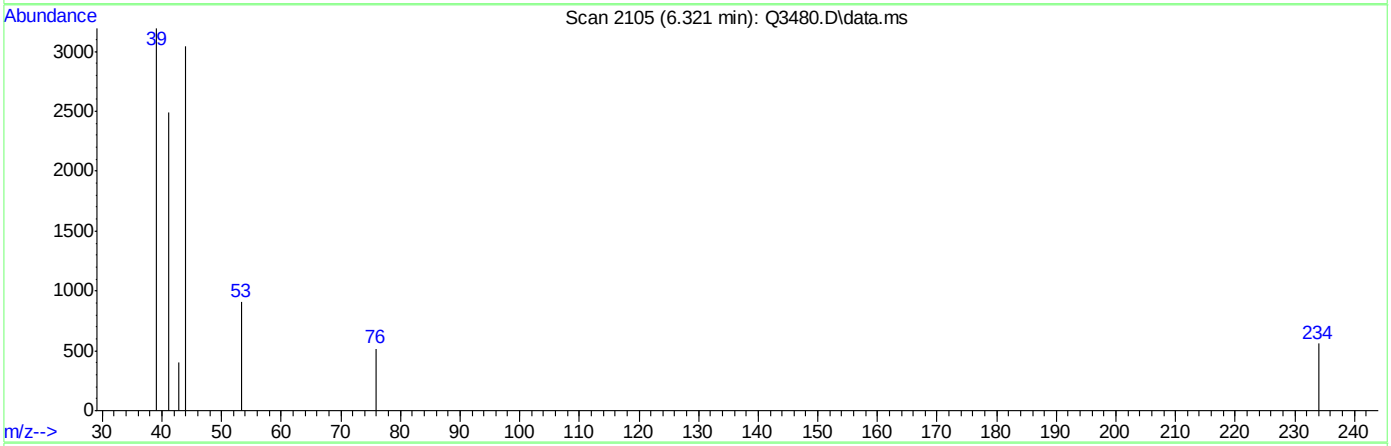
Ion	Exp%	Act%
76.00	100	100
78.00	0.00	4.35
44.00	0.70	38.87#
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On    : 21 May 2007   9:43 pm
Operator  : PhilipB
Sample    : IC189-.2 (M044)
Misc      : MS13602,MSQ189,,,,,1
ALS Vial  : 4   Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration
```



TIC: Q3480.D\data.ms

(19) 3-CHLOROPROPENE (m)

6.321min (+0.001) 0.11PPBV

response 1684

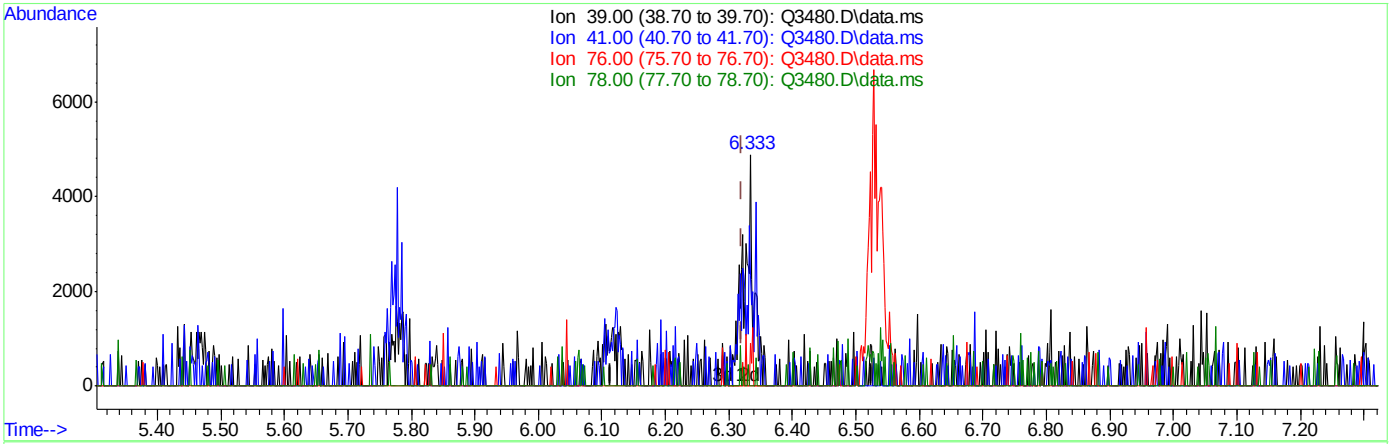
Ion	Exp%	Act%
39.00	100	100
41.00	0.30	110.33#
76.00	0.00	0.00
78.00	0.00	8.08

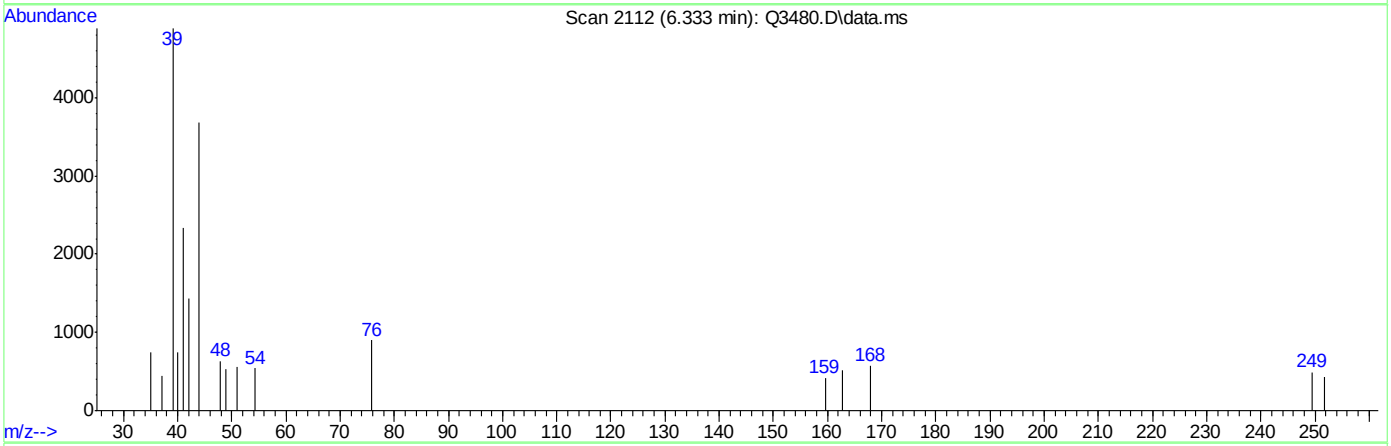
ACCUTEST Laboratories M65503

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





TIC: Q3480.D\data.ms

(19) 3-CHLOROPROPENE (m)

6.333min (+0.013) 0.32PPBV m

response 5194

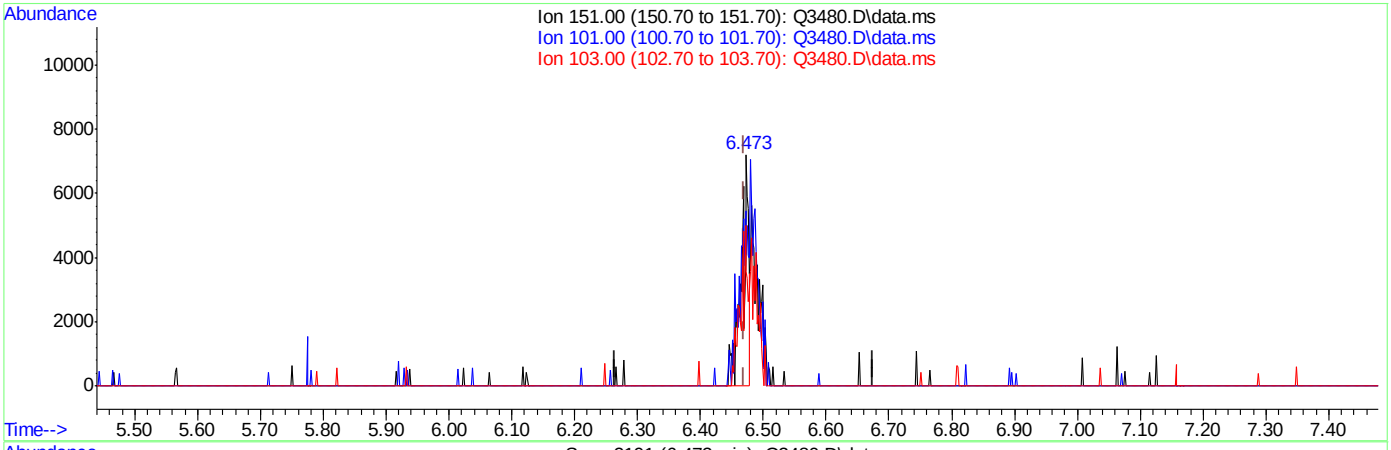
Ion	Exp%	Act%
39.00	100	100
41.00	0.30	35.77#
76.00	0.00	0.00
78.00	0.00	2.62

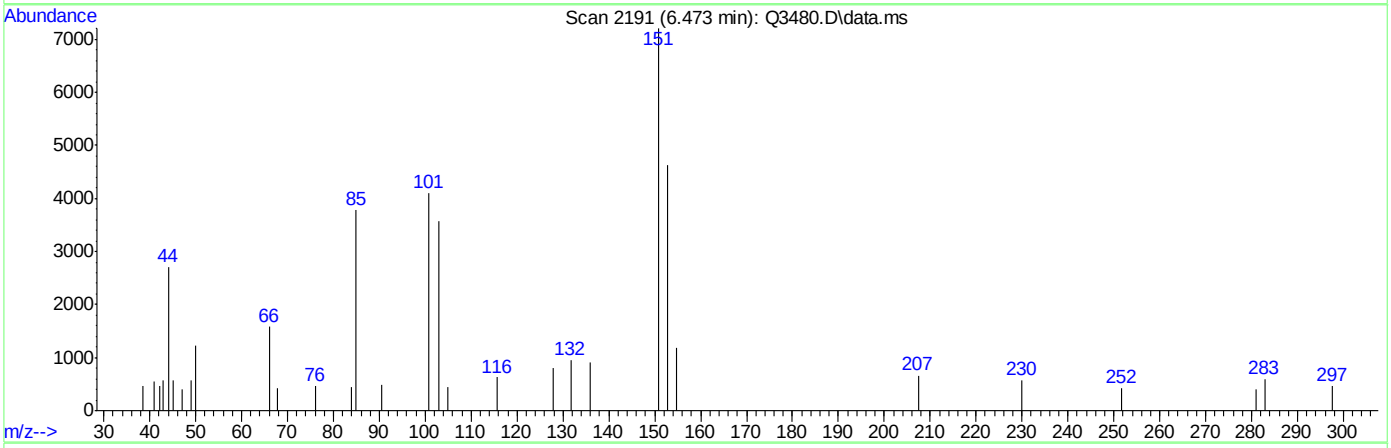
ACCUTEST Laboratories M65503

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





TIC: Q3480.D\data.ms

(20) FREON 113 (m)

6.473min (+0.003) 0.17PPBV

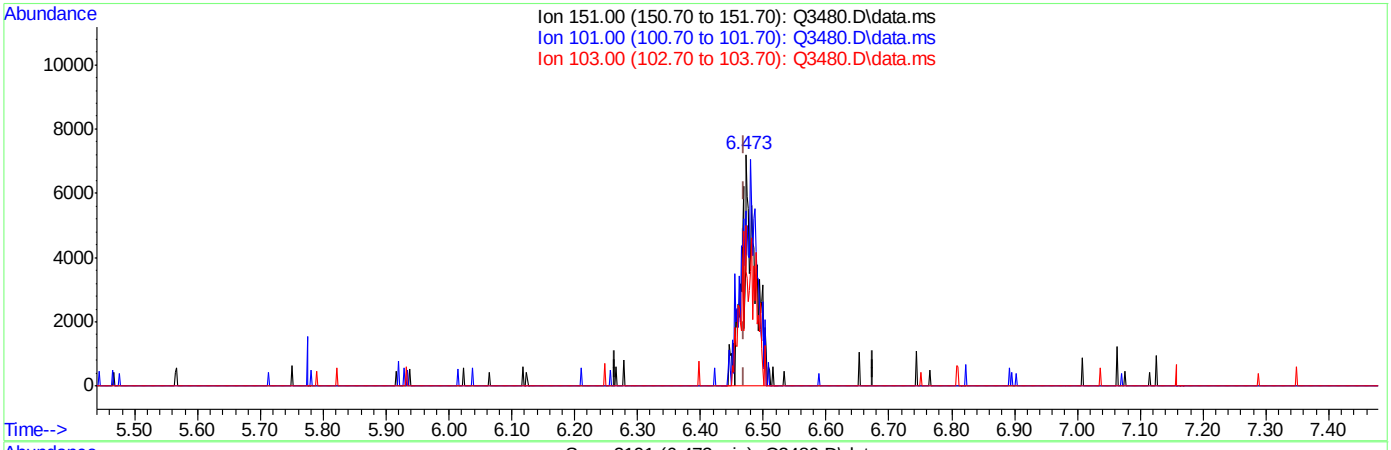
response 6248

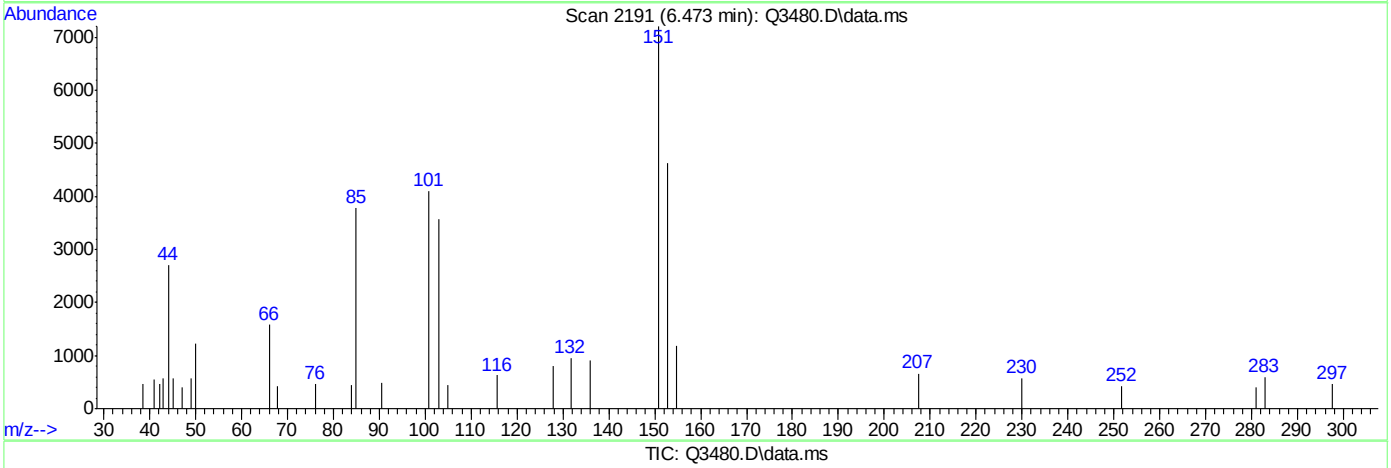
Ion	Exp%	Act%
151.00	100	100
101.00	0.00	101.14#
103.00	0.00	71.29#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





TIC: Q3480.D\data.ms

(20) FREON 113 (m)

6.473min (+0.003) 0.30PPBV m

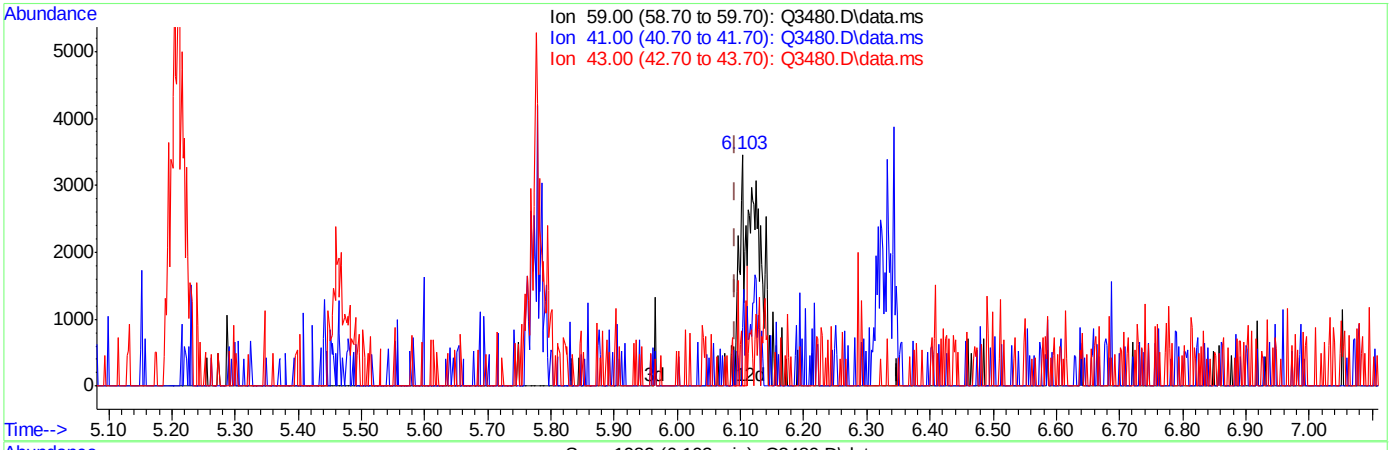
response 11185

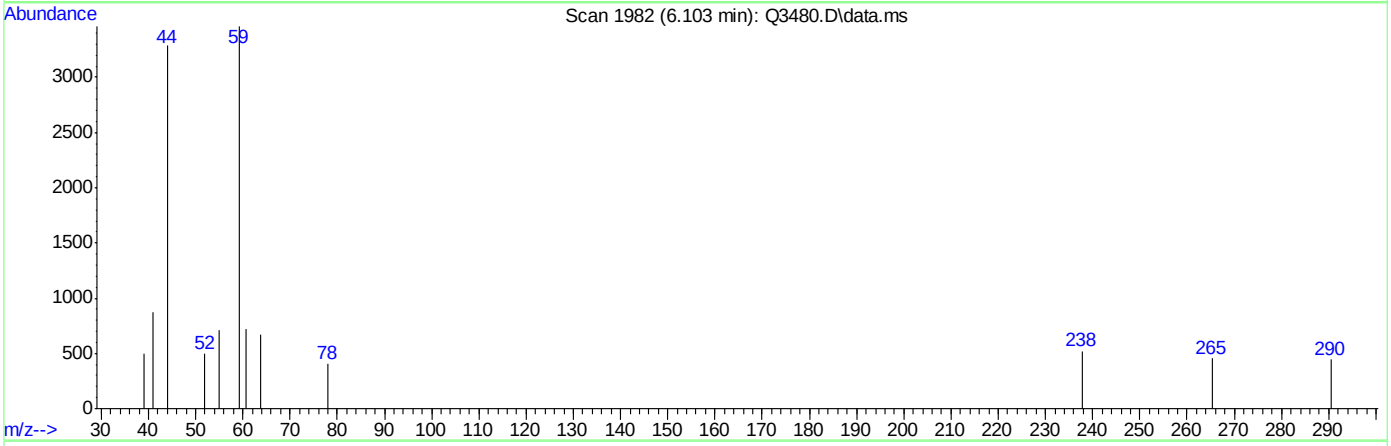
Ion	Exp%	Act%
151.00	100	100
101.00	0.00	56.50#
103.00	0.00	39.82#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





TIC: Q3480.D\data.ms

(22) TERTIARY BUTYL ALCOHOL (m)

6.103min (+0.011) 0.11PPBV

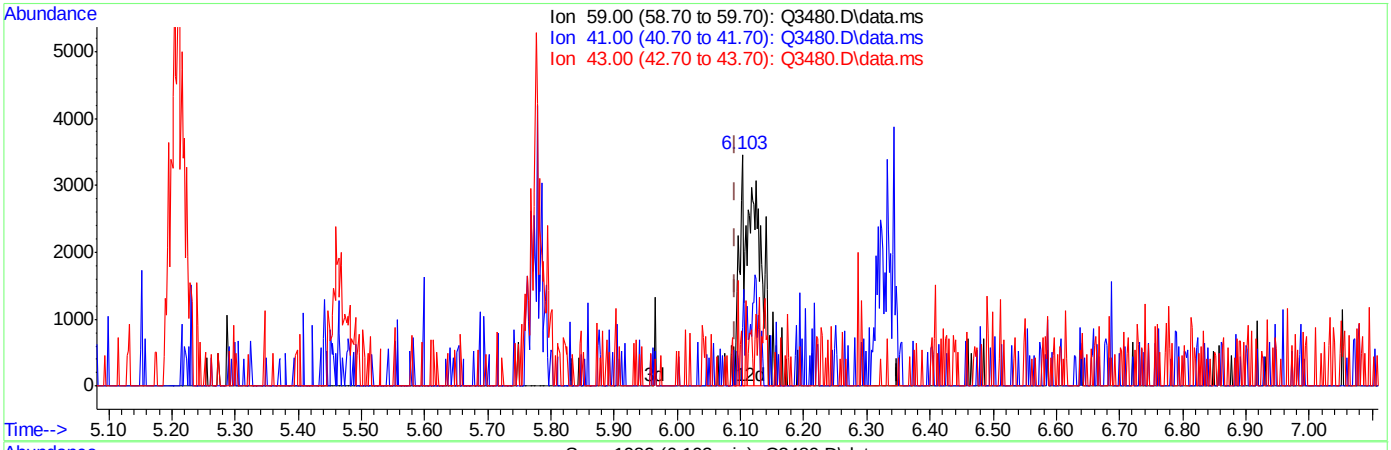
response 2405

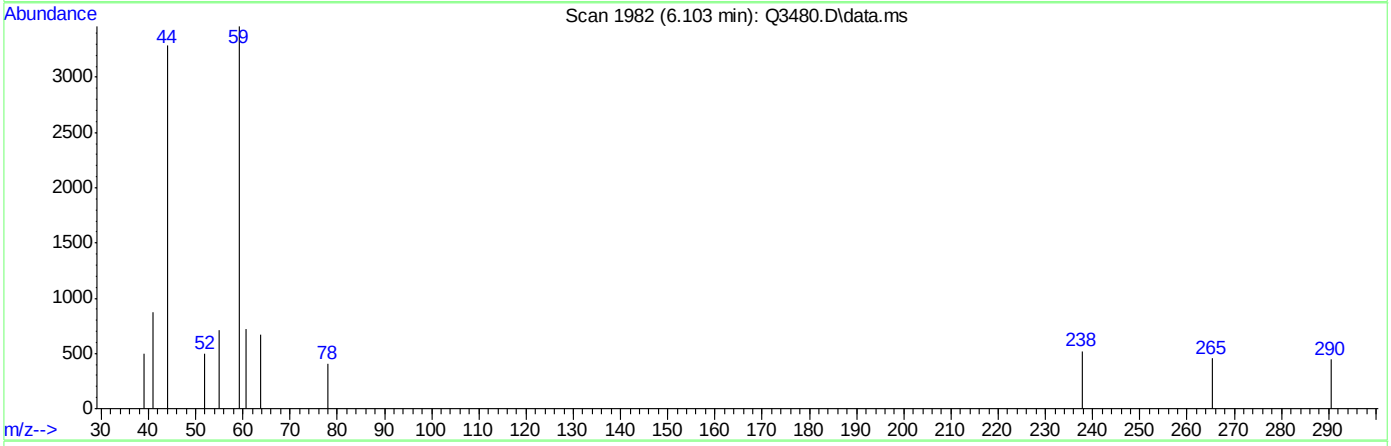
Ion	Exp%	Act%
59.00	100	100
41.00	0.00	31.64#
43.00	0.00	13.39
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





TIC: Q3480.D\data.ms

(22) TERTIARY BUTYL ALCOHOL (m)

6.103min (+0.011) 0.31PPBV m

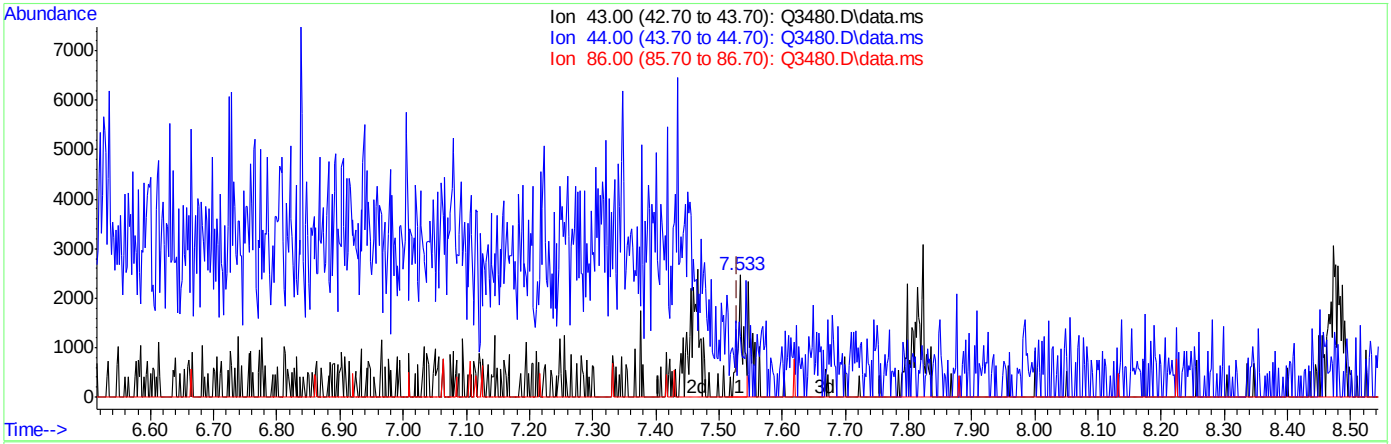
response 7161

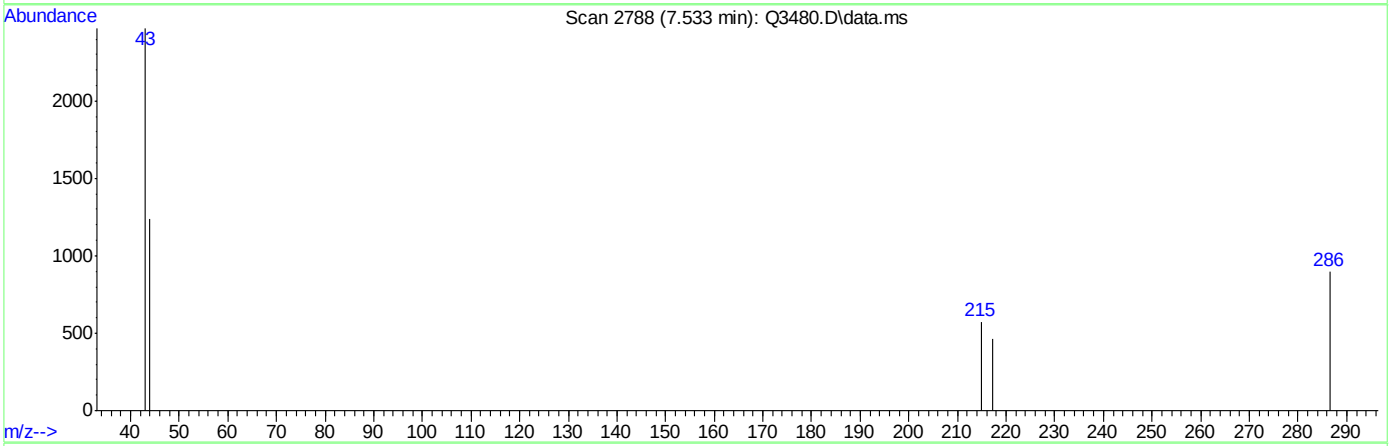
Ion	Exp%	Act%
59.00	100	100
41.00	0.00	10.63
43.00	0.00	4.50
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On    : 21 May 2007   9:43 pm
Operator  : PhilipB
Sample    : IC189-.2 (M044)
Misc      : MS13602,MSQ189,,,,,1
ALS Vial  : 4   Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration
```



TIC: Q3480.D\data.ms

(26) VINYL ACETATE (m)

7.533min (+0.003) 0.06PPBV

response 1400

Ion	Exp%	Act%
43.00	100	100
44.00	2.30	105.43#
86.00	0.00	0.00
0.00	0.00	0.00

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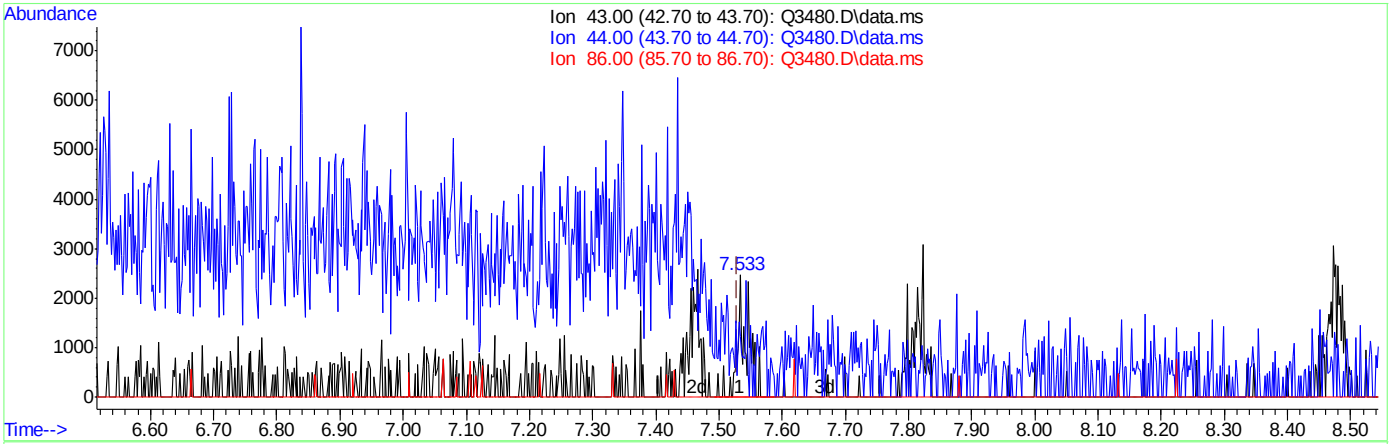
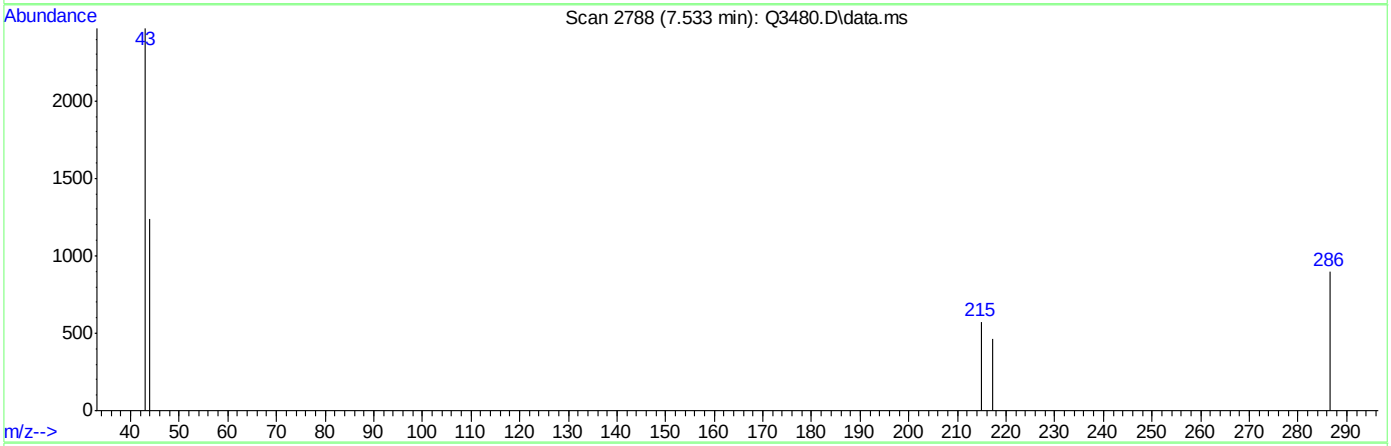
Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On    : 21 May 2007   9:43 pm
Operator  : PhilipB
Sample    : IC189-.2 (M044)
Misc      : MS13602,MSQ189,,,,,1
ALS Vial  : 4   Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration
```



TIC: Q3480.D\data.ms

(26) VINYL ACETATE (m)

7.533min (+0.003) 0.11PPBV m

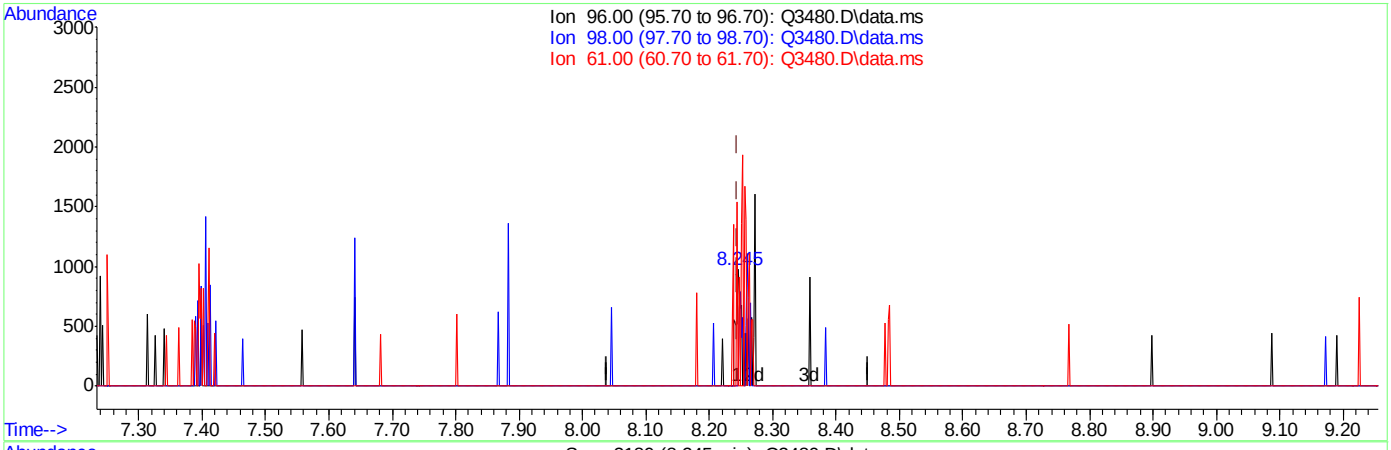
response 2507

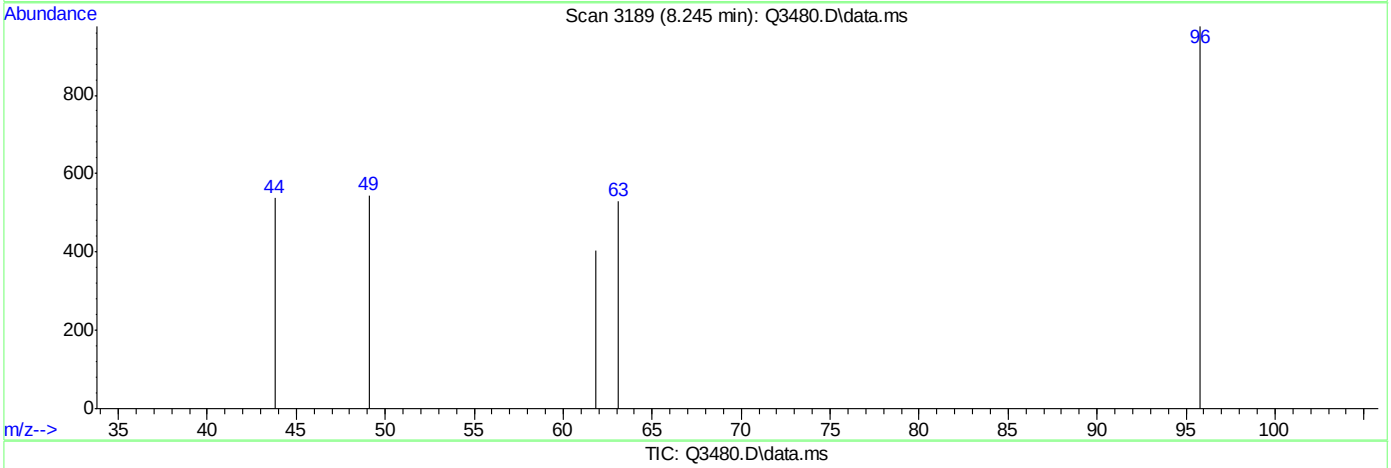
Ion	Exp%	Act%
43.00	100	100
44.00	2.30	58.88#
86.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





TIC: Q3480.D\data.ms

(29) cis-1,2-DICHLOROETHYLENE (m)

8.245min (-0.000) 0.08PPBV

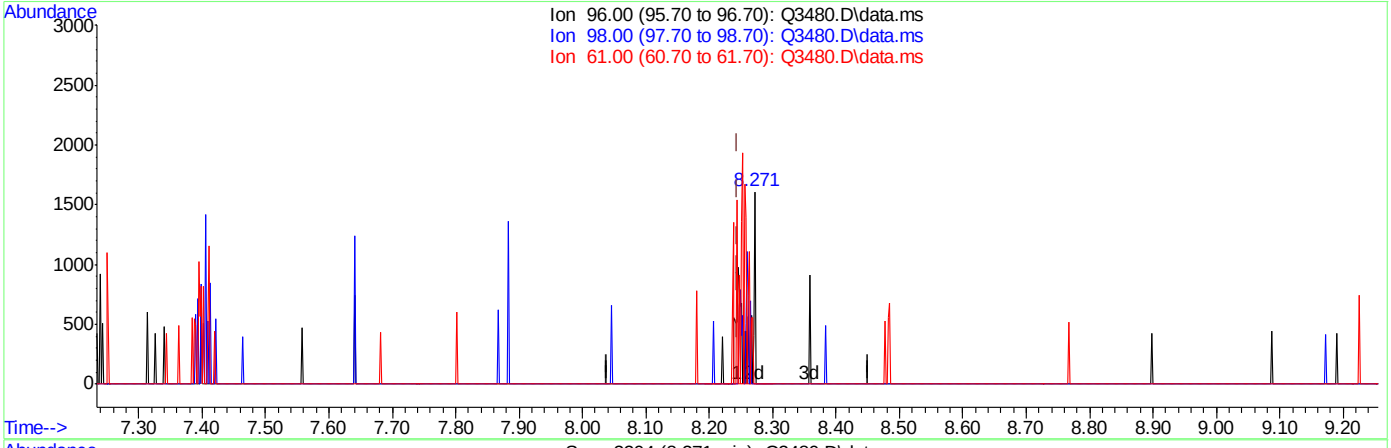
response 546

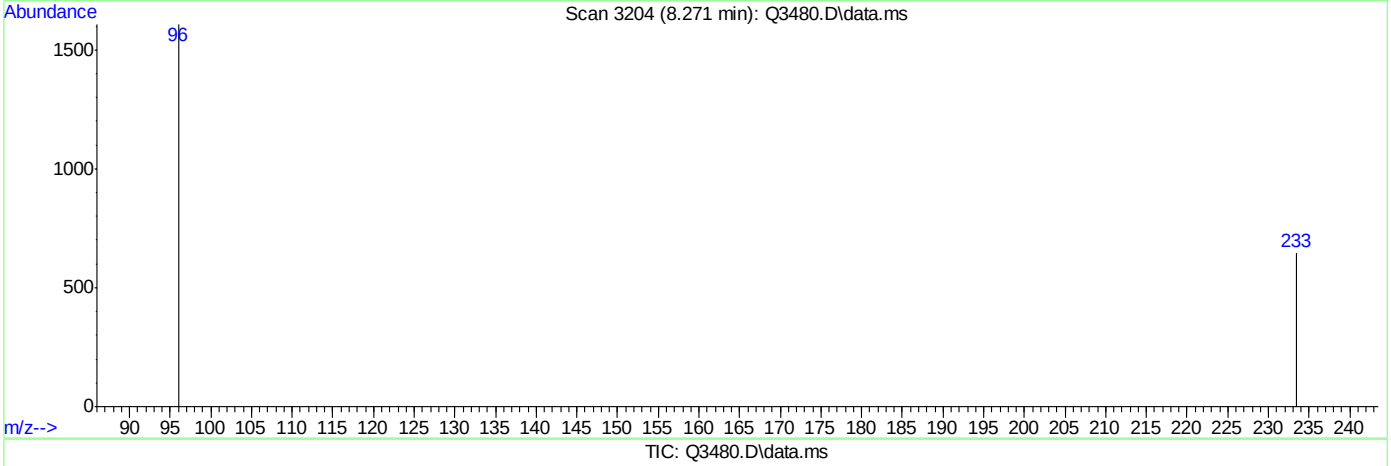
Ion	Exp%	Act%
96.00	100	100
98.00	0.00	0.00
61.00	0.00	56.41#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





TIC: Q3480.D\data.ms

(29) cis-1,2-DICHLOROETHYLENE (m)

8.271min (+0.027) 0.14PPBV m

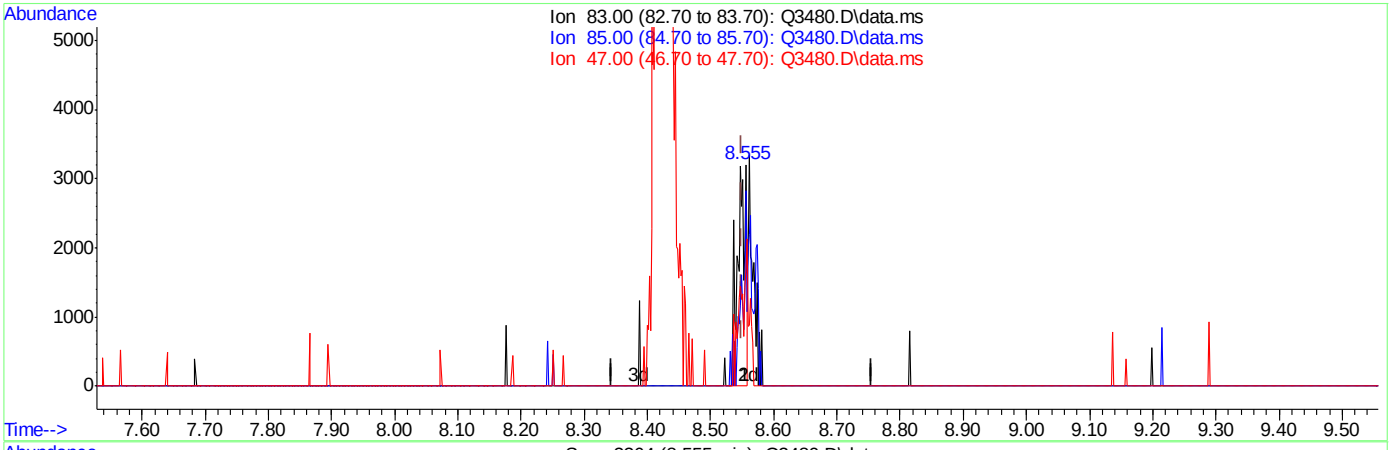
response 972

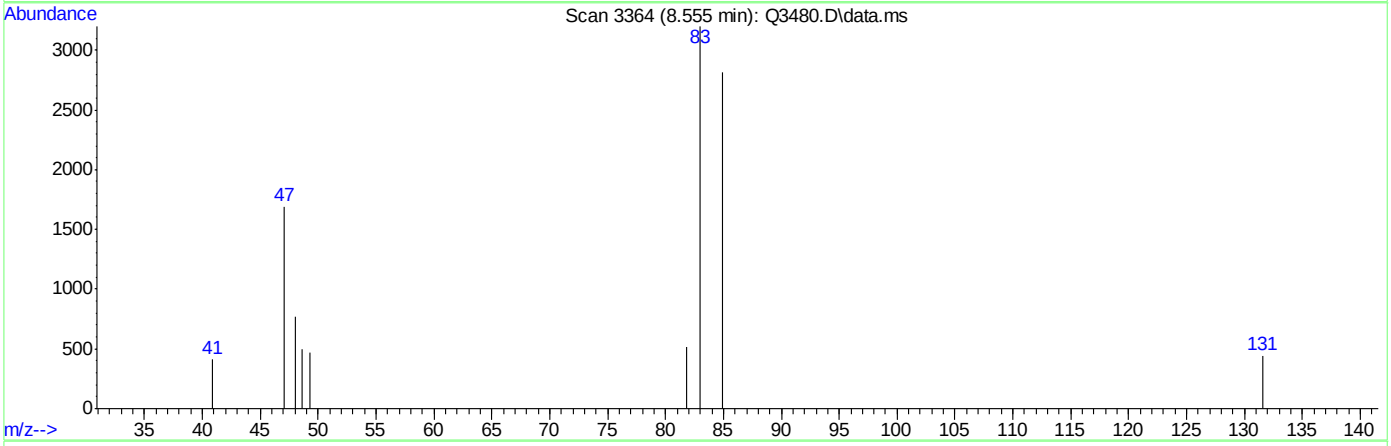
Ion	Exp%	Act%
96.00	100	100
98.00	0.00	0.00
61.00	0.00	31.69#
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On    : 21 May 2007   9:43 pm
Operator  : PhilipB
Sample    : IC189-.2 (M044)
Misc      : MS13602,MSQ189,,,,,1
ALS Vial  : 4   Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration
```



TIC: Q3480.D\data.ms

(31) CHLOROFORM (m)

8.555min (+0.005) 0.13PPBV

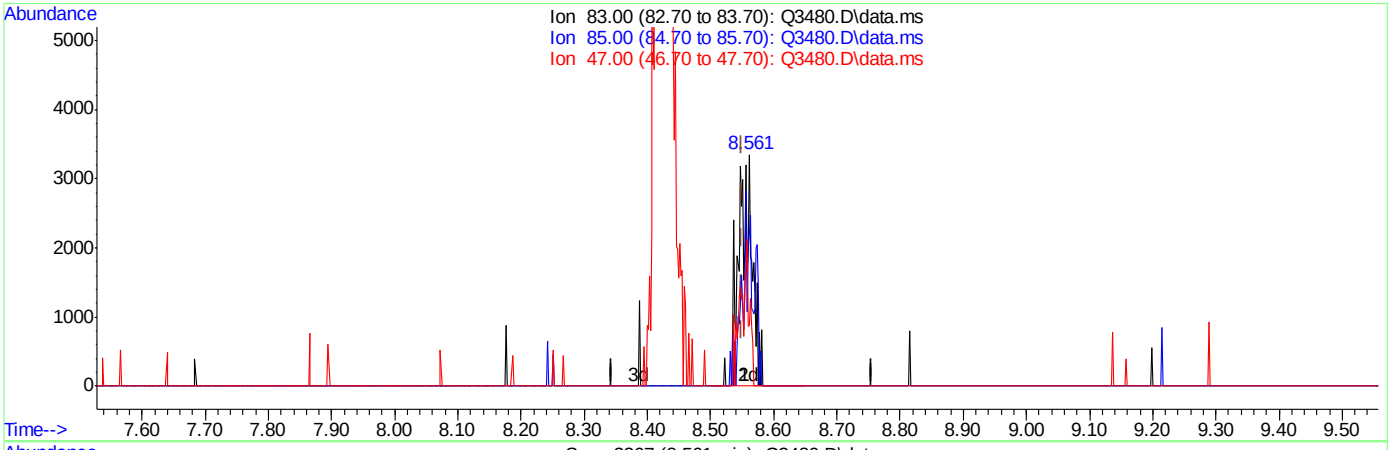
response 2884

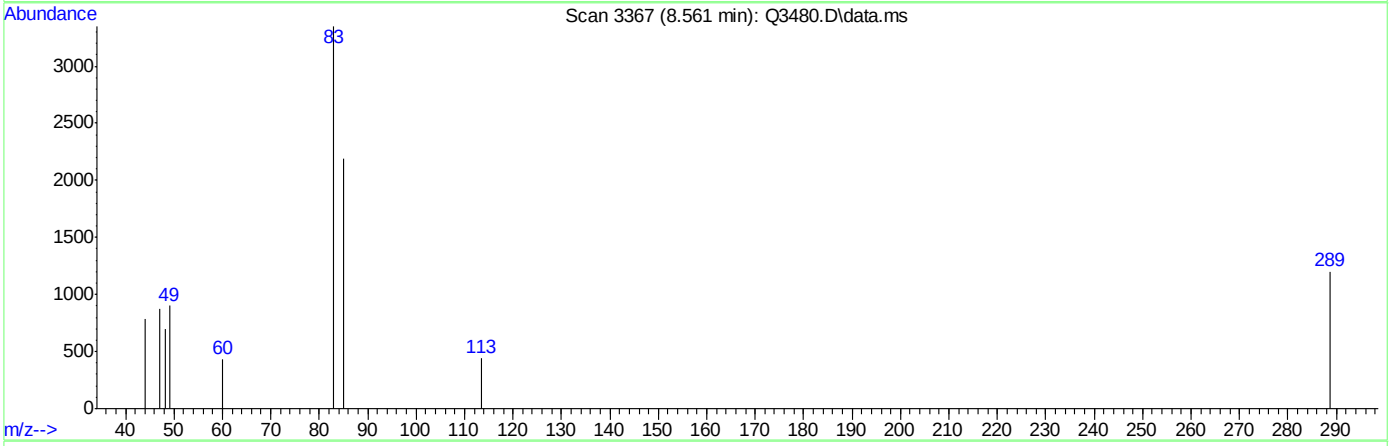
Ion	Exp%	Act%
83.00	100	100
85.00	0.00	85.47#
47.00	0.00	71.39#
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On    : 21 May 2007   9:43 pm
Operator  : PhilipB
Sample    : IC189-.2 (M044)
Misc      : MS13602,MSQ189,,,,,1
ALS Vial  : 4   Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration
```



TIC: Q3480.D\data.ms

(31) CHLOROFORM (m)

8.561min (+0.011) 0.21PPBV m

response 4772

Ion	Exp%	Act%
83.00	100	100
85.00	0.00	51.66#
47.00	0.00	43.15#
0.00	0.00	0.00

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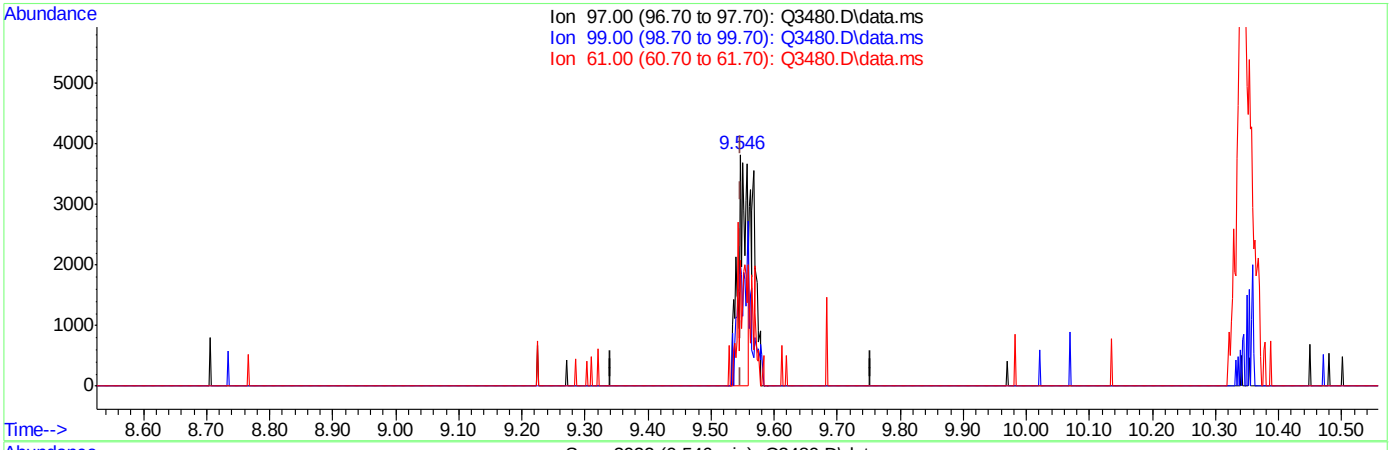
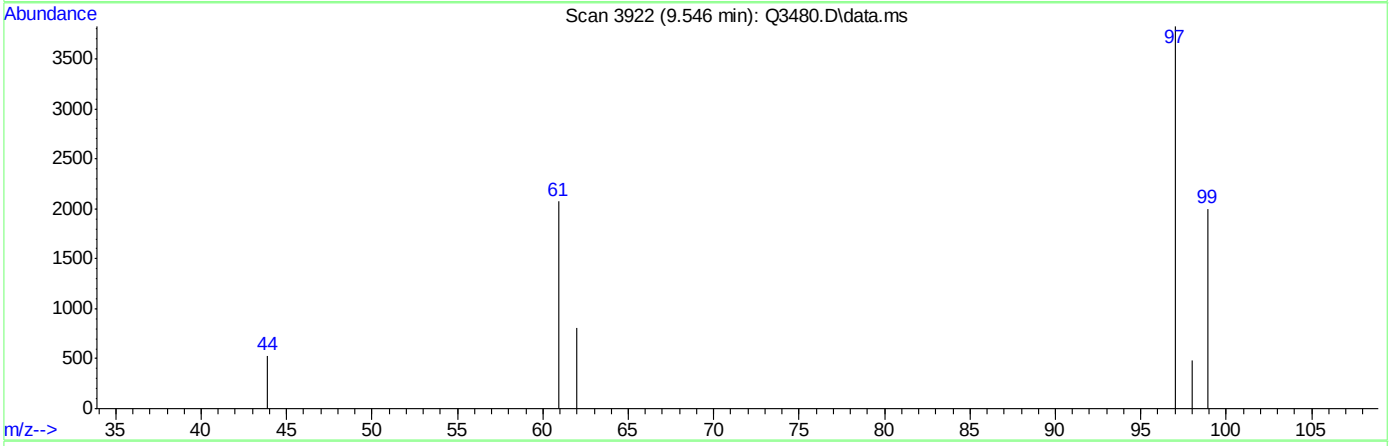
Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On    : 21 May 2007   9:43 pm
Operator  : PhilipB
Sample    : IC189-.2 (M044)
Misc      : MS13602,MSQ189,,,,,1
ALS Vial  : 4   Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration
```



TIC: Q3480.D\data.ms

(32) 1,1,1-TRICHLOROETHANE (m)

9.546min (-0.002) 0.14PPBV

response 3517

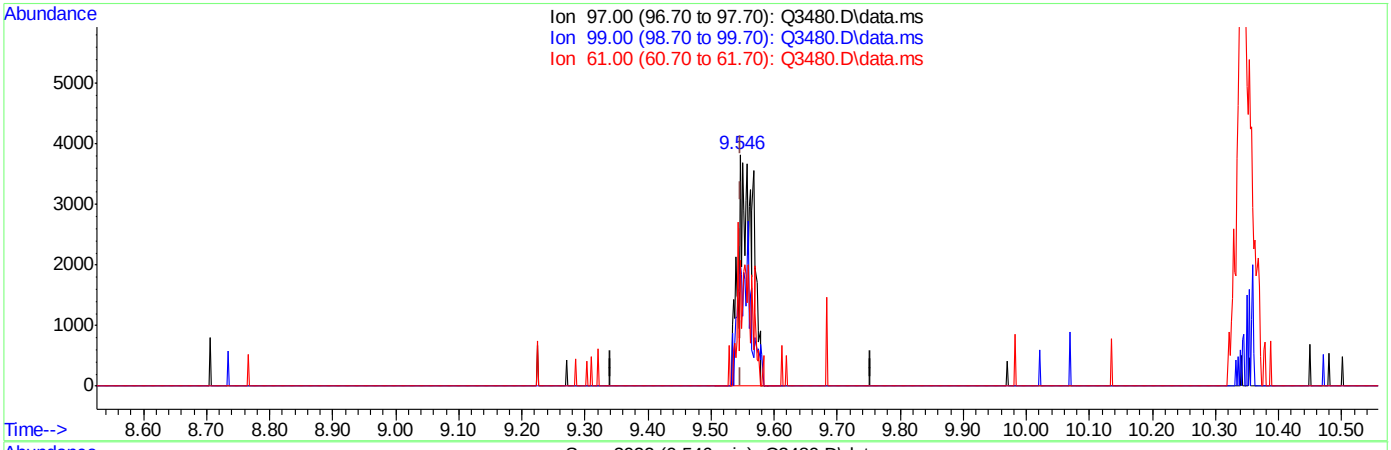
Ion	Exp%	Act%
97.00	100	100
99.00	63.00	96.50#
61.00	38.00	64.46#
0.00	0.00	0.00

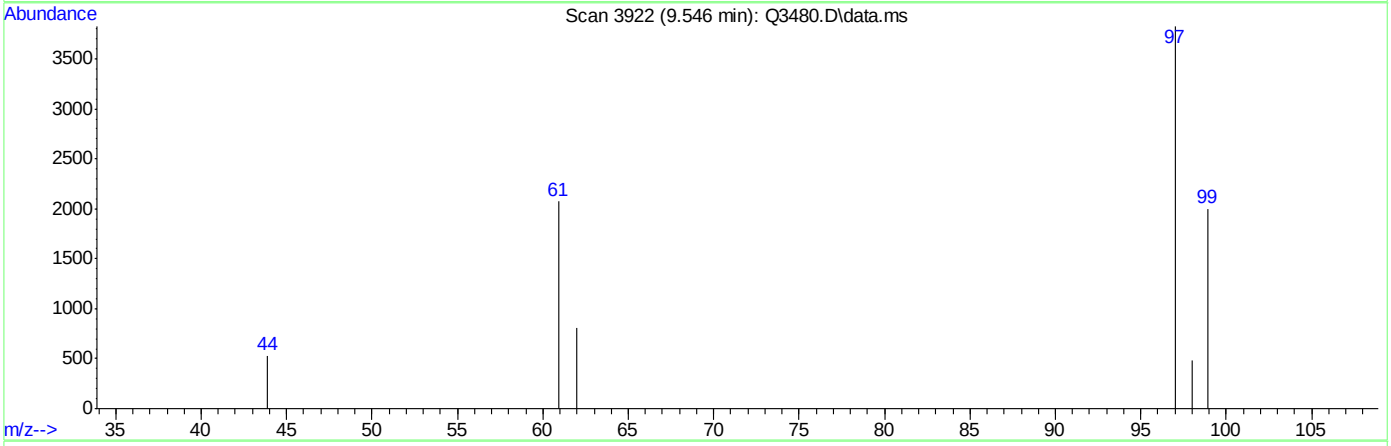
ACCUTEST Laboratories M65503

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





TIC: Q3480.D\data.ms

(32) 1,1,1-TRICHLOROETHANE (m)

9.546min (-0.002) 0.23PPBV m

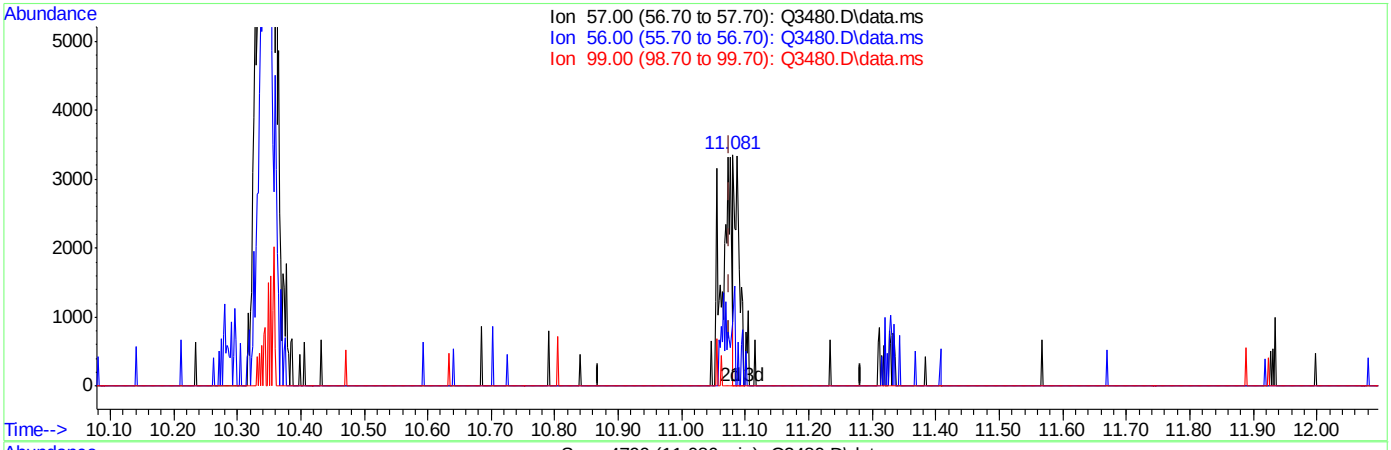
response 5925

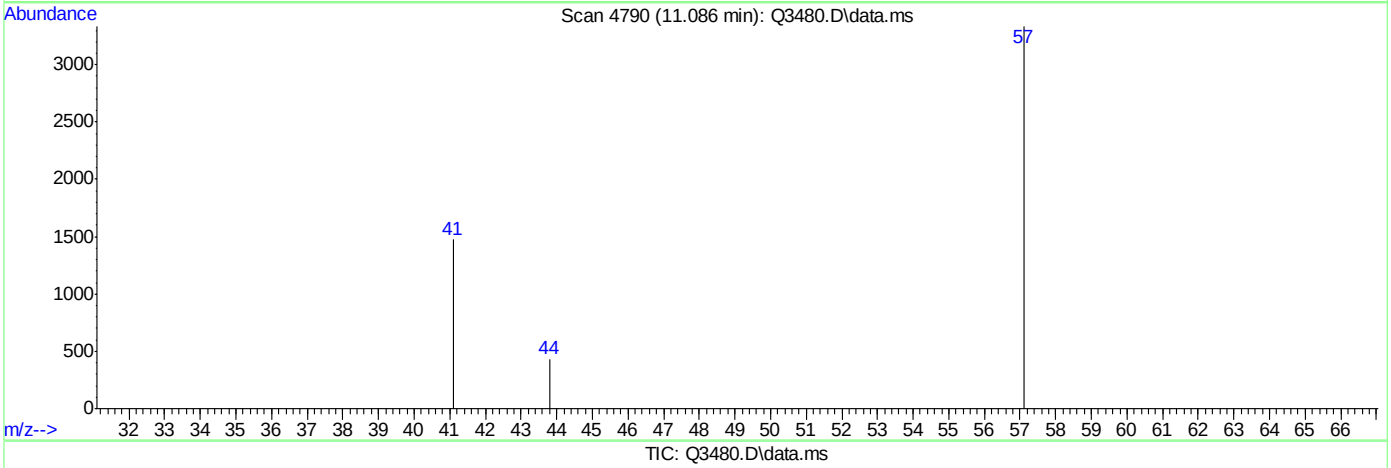
Ion	Exp%	Act%
97.00	100	100
99.00	63.00	57.28
61.00	38.00	38.26
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





TIC: Q3480.D\data.ms

(41) 2,2,4-TRIMETHYLPENTANE (m)

11.086min (+0.011) 0.06PPBV

response 2042

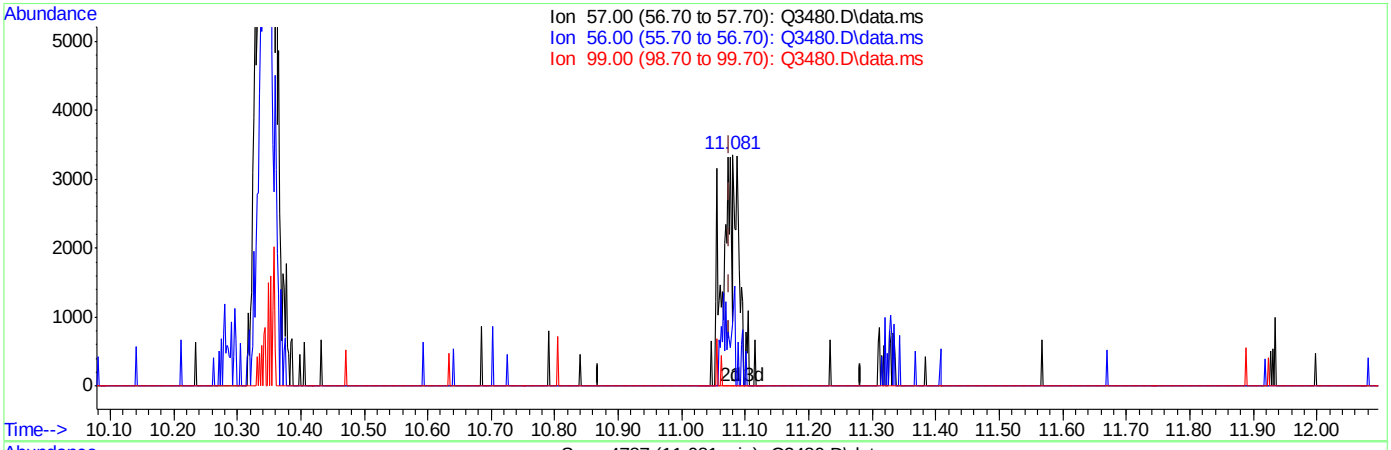
Ion	Exp%	Act%
57.00	100	100
56.00	30.30	40.16
99.00	6.30	0.00
0.00	0.00	0.00

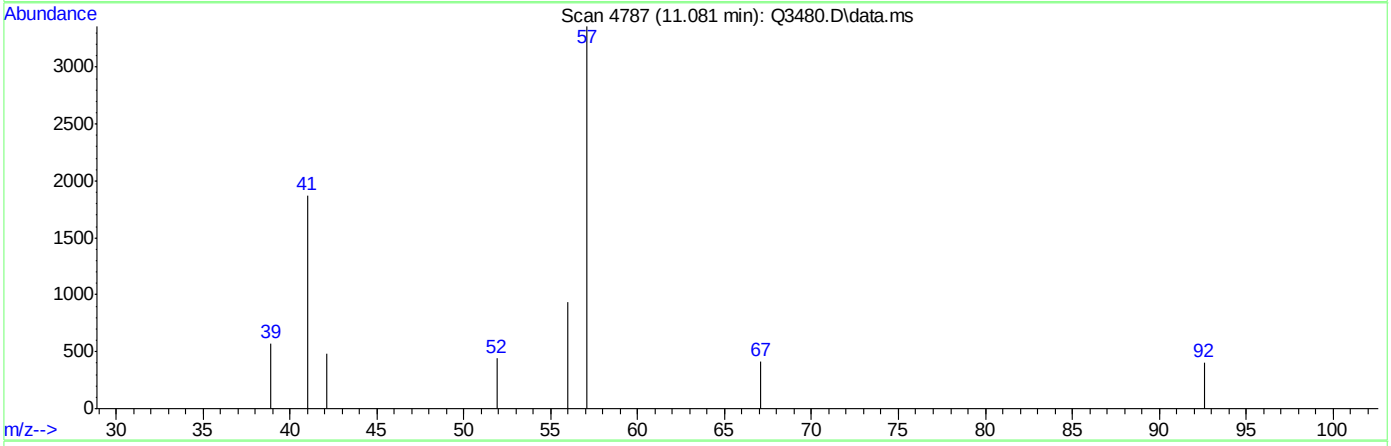
ACCUTEST Laboratories M65503

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





TIC: Q3480.D\data.ms

(41) 2,2,4-TRIMETHYLPENTANE (m)

11.081min (+0.005) 0.17PPBV m

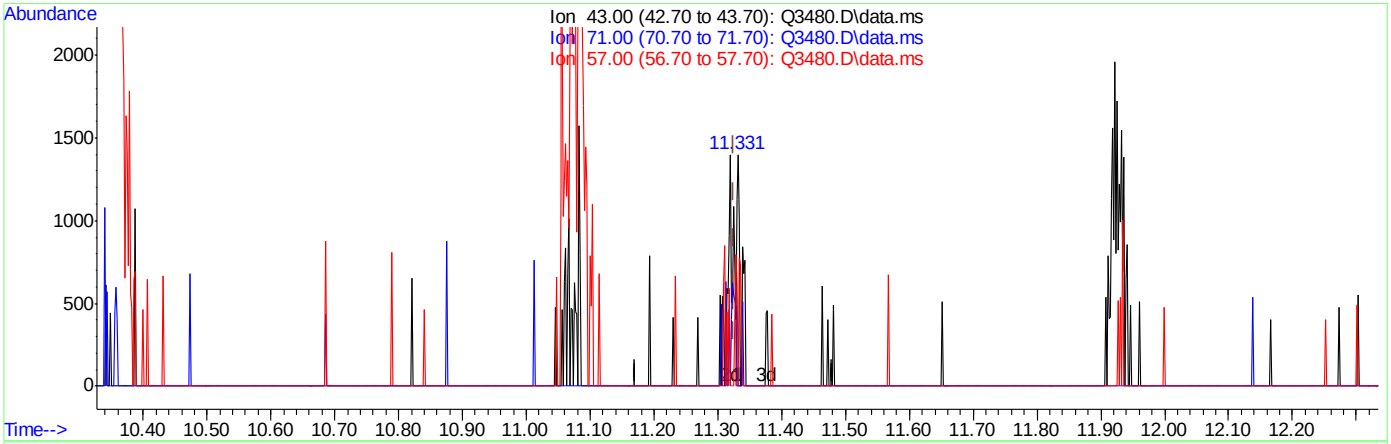
response 5400

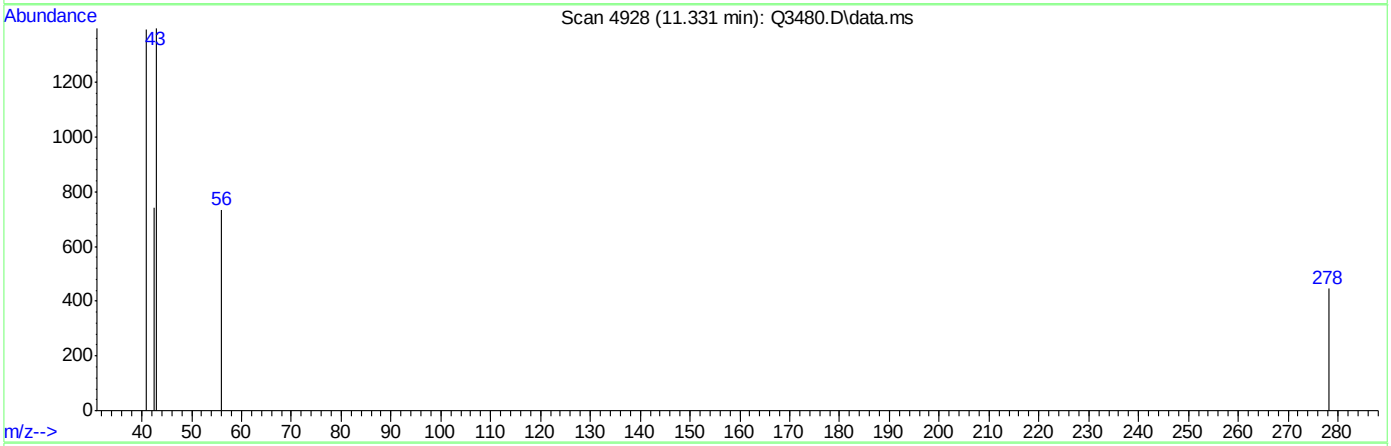
Ion	Exp%	Act%
57.00	100	100
56.00	30.30	15.19
99.00	6.30	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





TIC: Q3480.D\data.ms

(43) HEPTANE (m)

11.331min (+0.005) 0.03PPBV

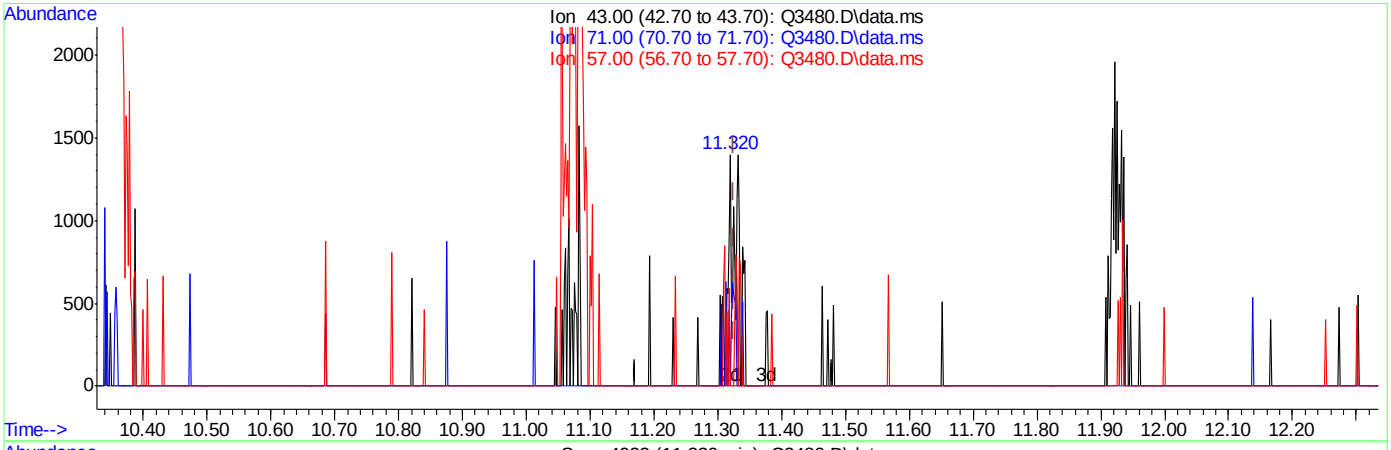
response 376

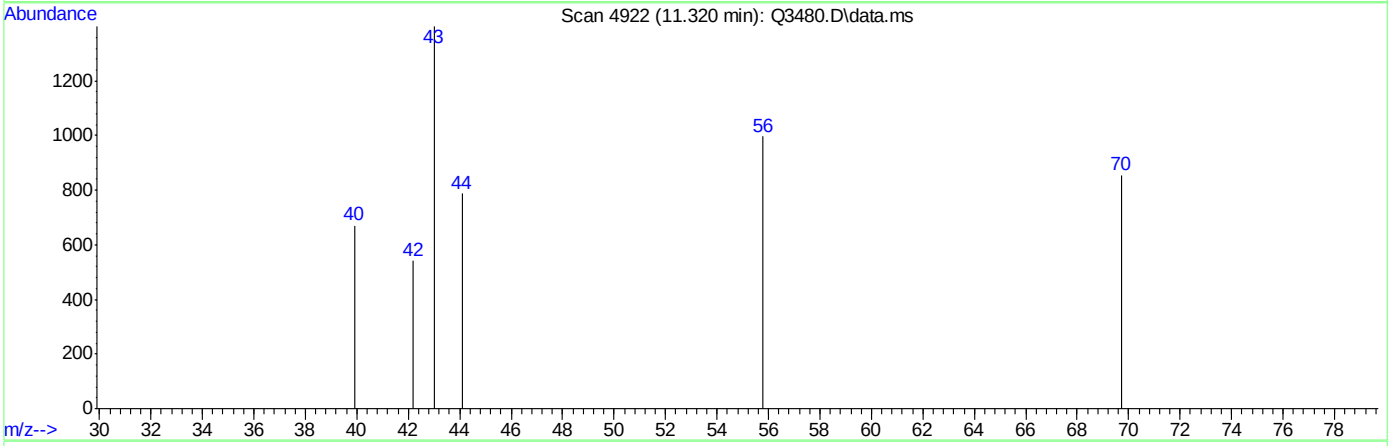
Ion	Exp%	Act%
43.00	100	100
71.00	52.40	58.51
57.00	48.00	95.48#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





TIC: Q3480.D\data.ms

(43) HEPTANE (m)

11.320min (-0.005) 0.11PPBV m

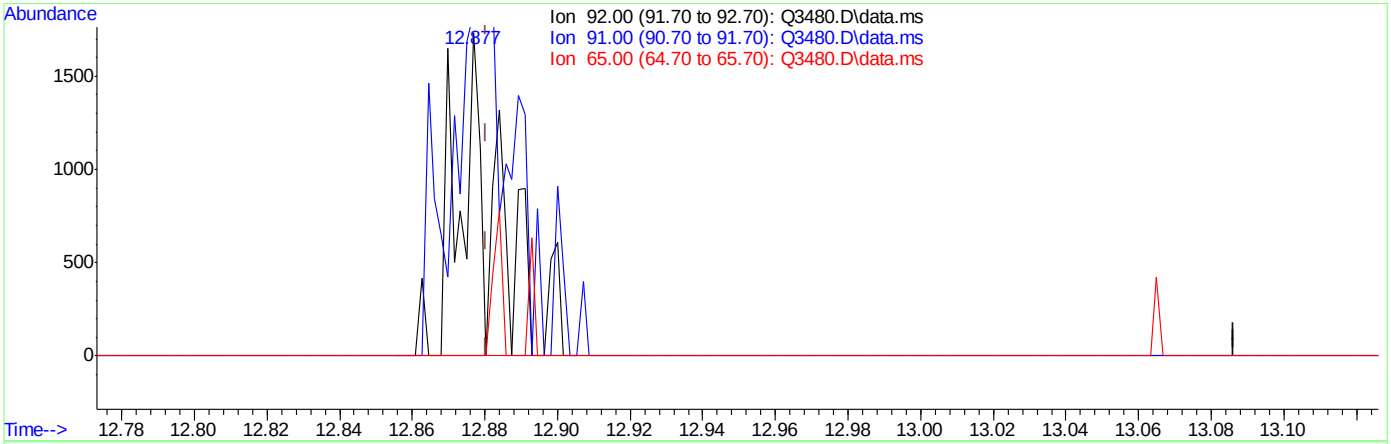
response 1423

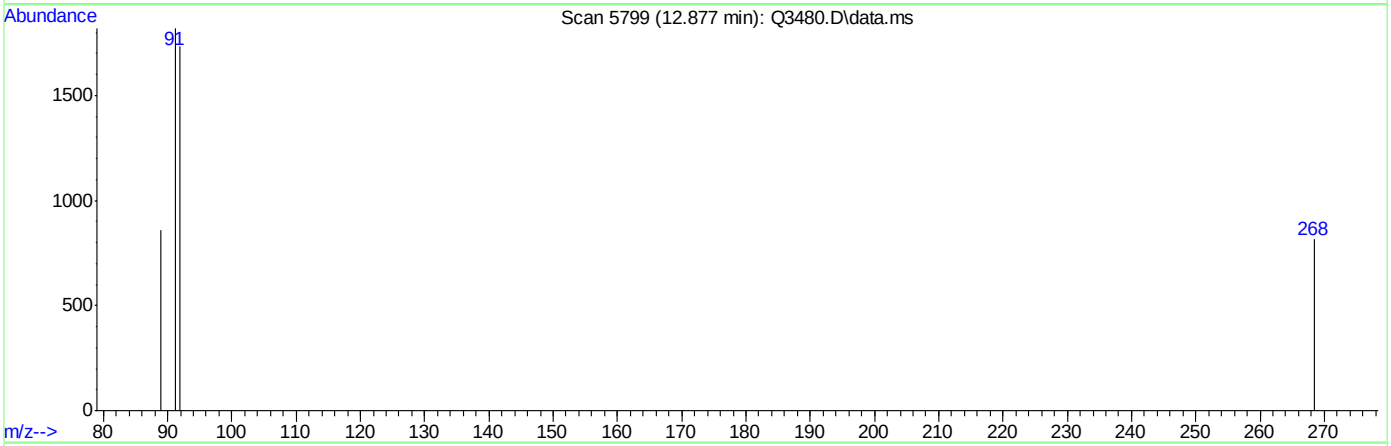
Ion	Exp%	Act%
43.00	100	100
71.00	52.40	15.46#
57.00	48.00	25.23#
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On    : 21 May 2007   9:43 pm
Operator  : PhilipB
Sample    : IC189-.2 (M044)
Misc      : MS13602,MSQ189,,,,,1
ALS Vial  : 4   Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration
```



TIC: Q3480.D\data.ms

(46) TOLUENE (m)

12.877min (-0.004) 0.10PPBV

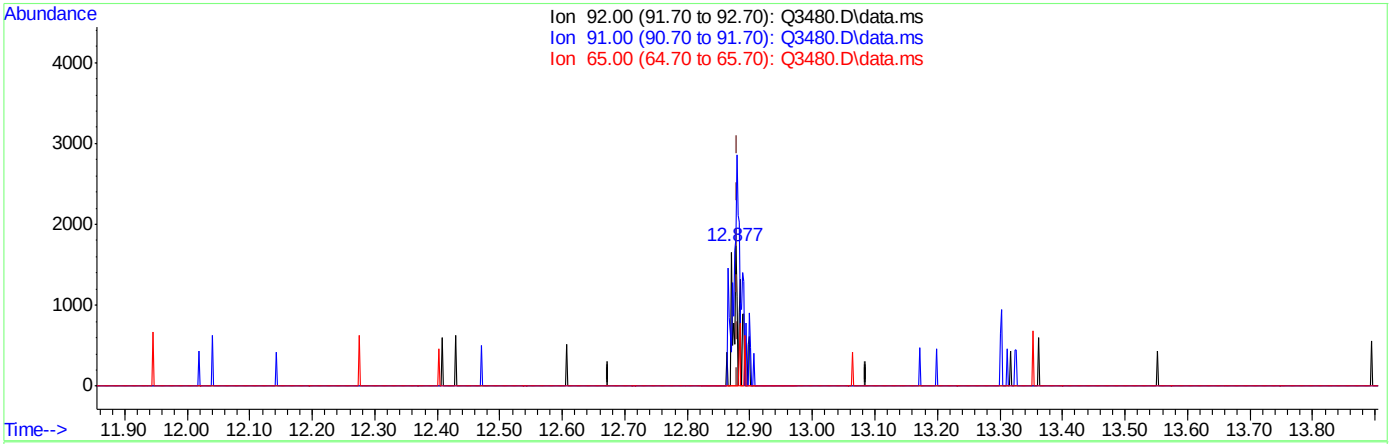
response 1333

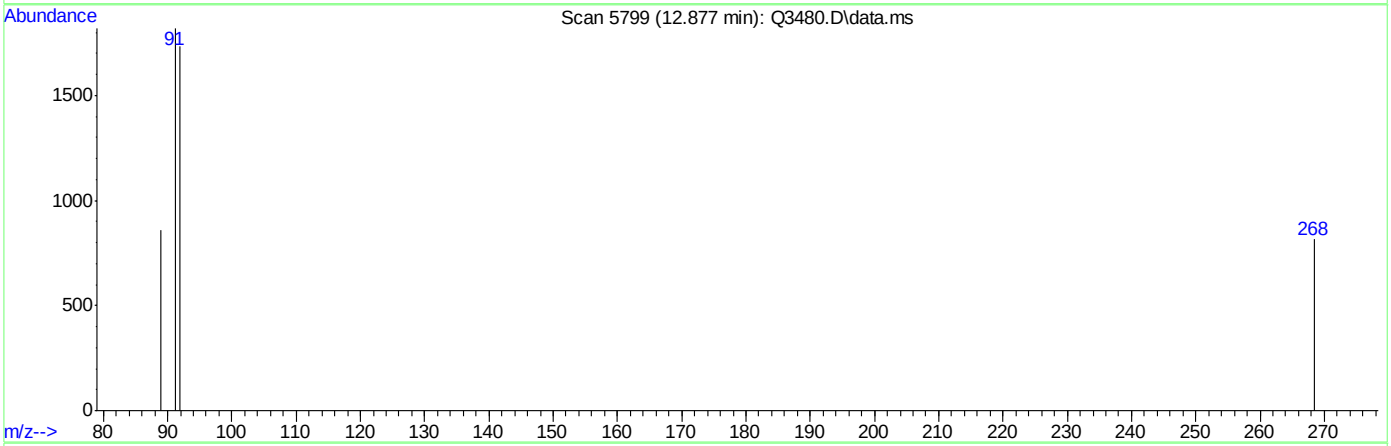
Ion	Exp%	Act%
92.00	100	100
91.00	170.80	192.12#
65.00	22.90	9.68
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On    : 21 May 2007   9:43 pm
Operator  : PhilipB
Sample    : IC189-.2 (M044)
Misc      : MS13602,MSQ189,,,,,1
ALS Vial  : 4   Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration
```



TIC: Q3480.D\data.ms

(46) TOLUENE (m)

12.877min (-0.004) 0.10PPBV m

response 1333

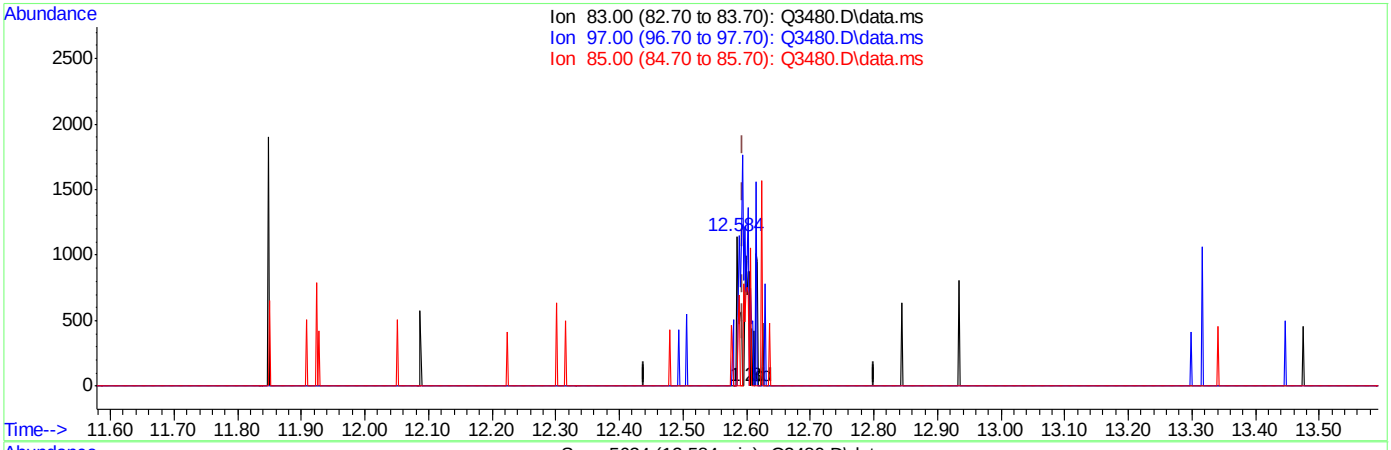
Ion	Exp%	Act%
92.00	100	100
91.00	170.80	192.12#
65.00	22.90	9.68
0.00	0.00	0.00

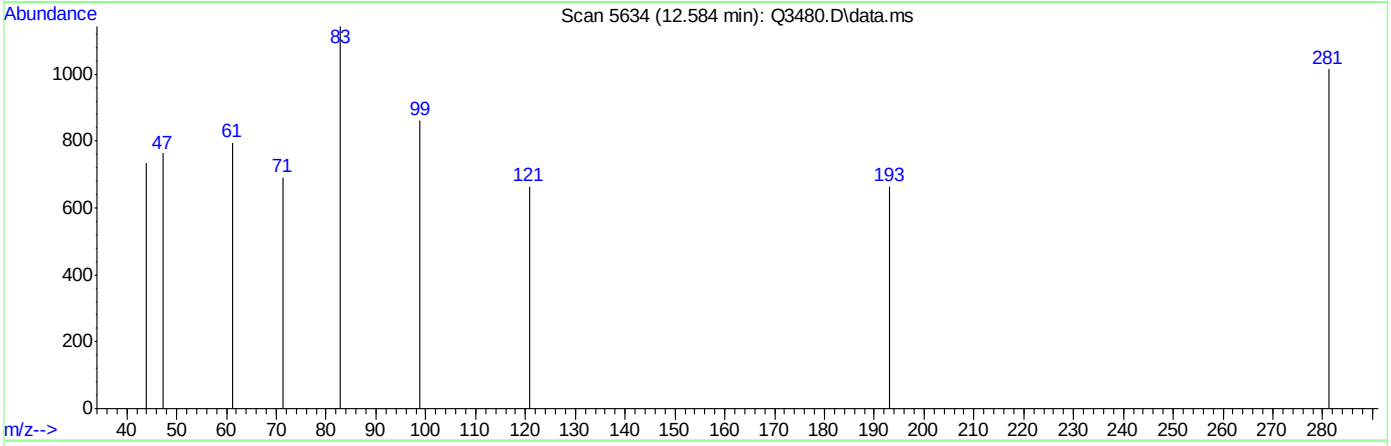
ACCUTEST Laboratories M65503

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





TIC: Q3480.D\data.ms

(48) 1,1,2-TRICHLOROETHANE (m)

12.584min (-0.011) 0.04PPBV

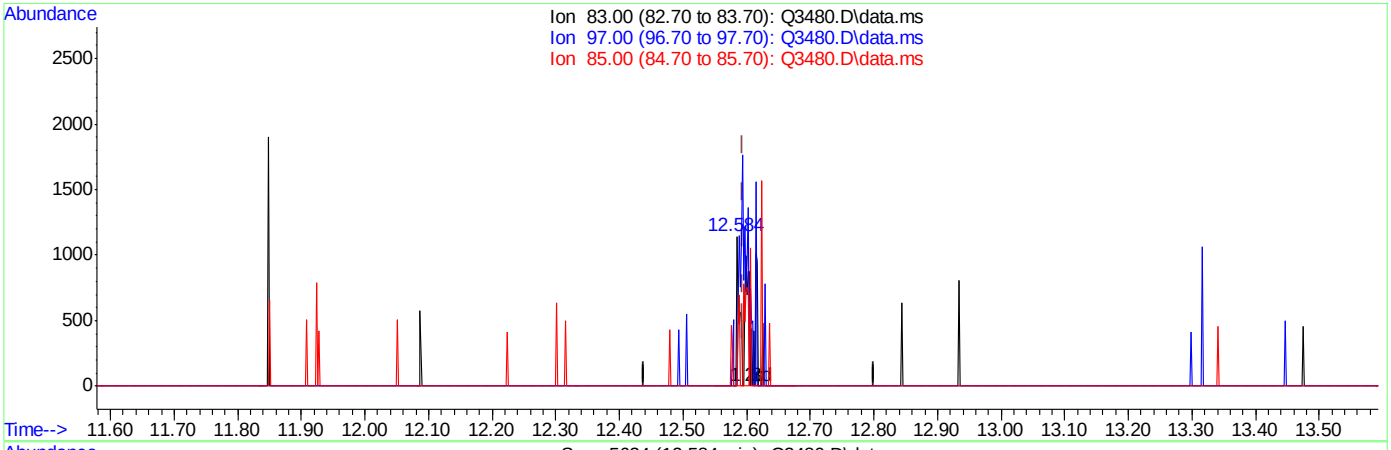
response 349

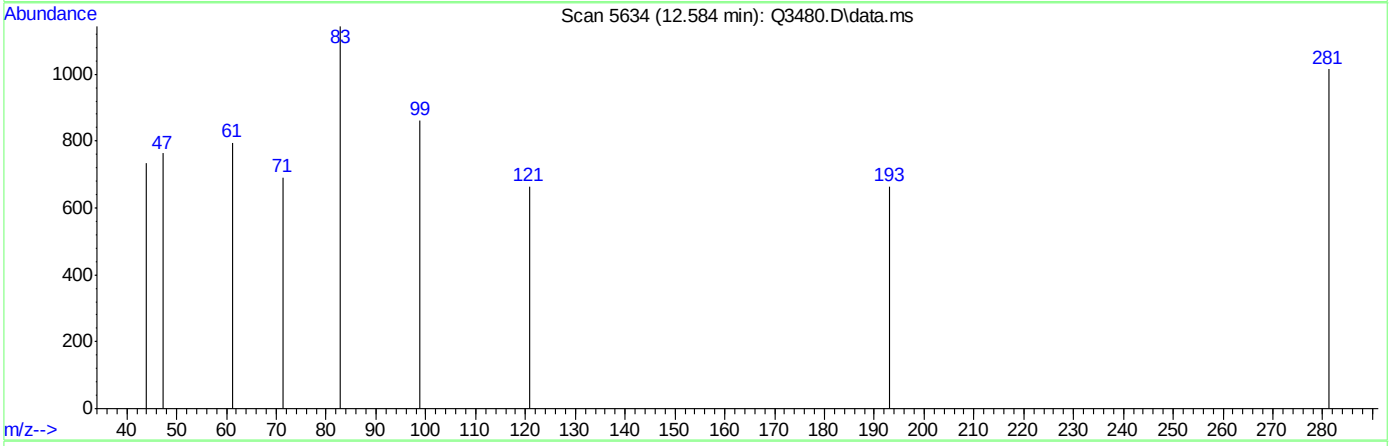
Ion	Exp%	Act%
83.00	100	100
97.00	121.10	337.25#
85.00	65.40	36.10#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





TIC: Q3480.D\data.ms

(48) 1,1,2-TRICHLOROETHANE (m)

12.584min (-0.011) 0.14PPBV m

response 1143

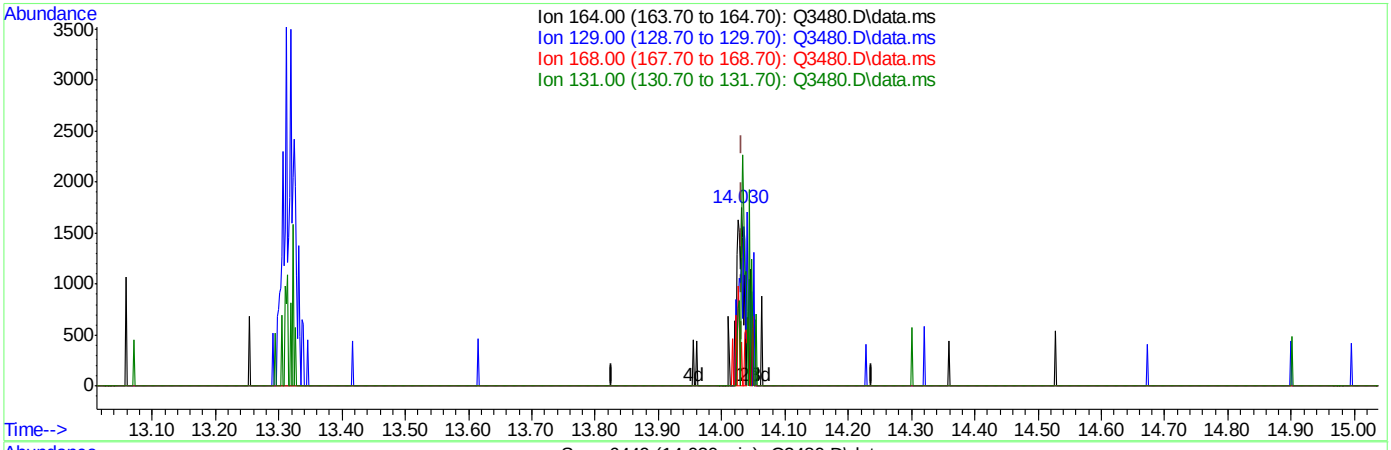
Ion	Exp%	Act%
83.00	100	100
97.00	121.10	102.97
85.00	65.40	11.02#
0.00	0.00	0.00

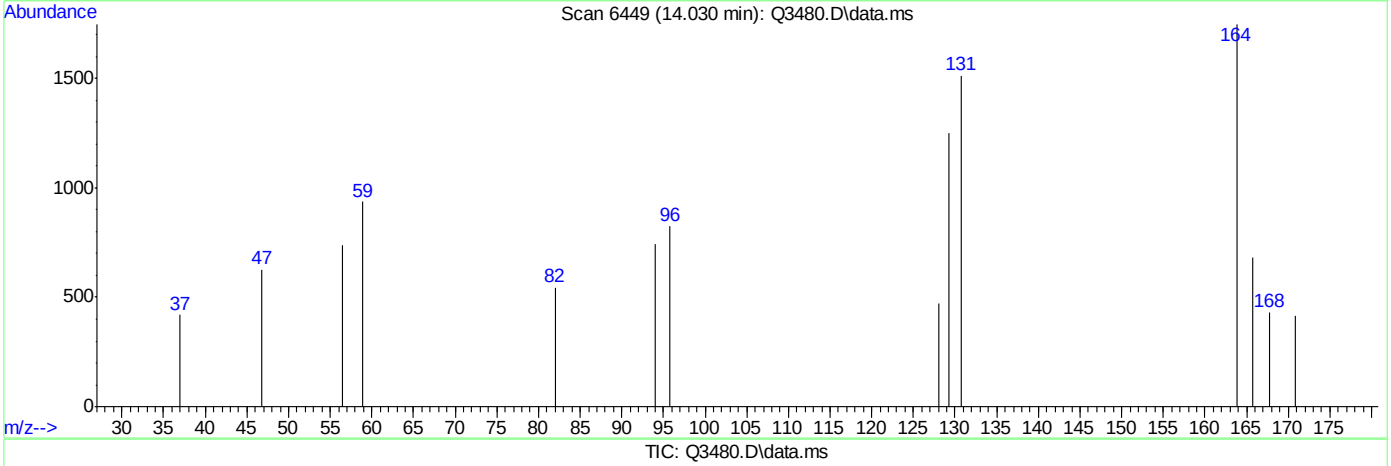
ACCUTEST Laboratories M65503

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





TIC: Q3480.D\data.ms

(51) TETRACHLOROETHYLENE (m)

14.030min (-0.002) 0.12PPBV

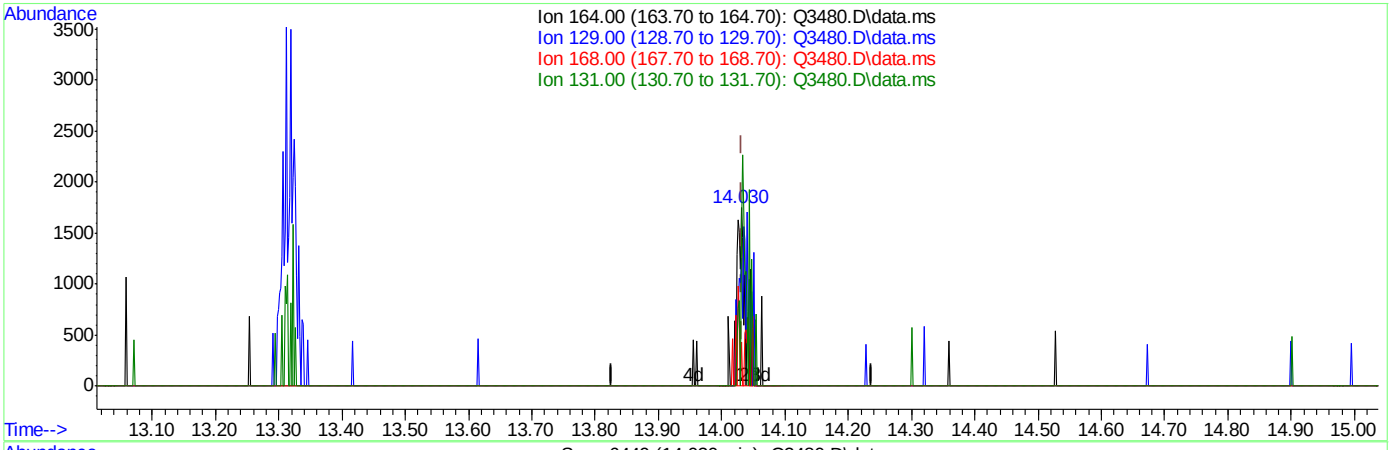
response 1184

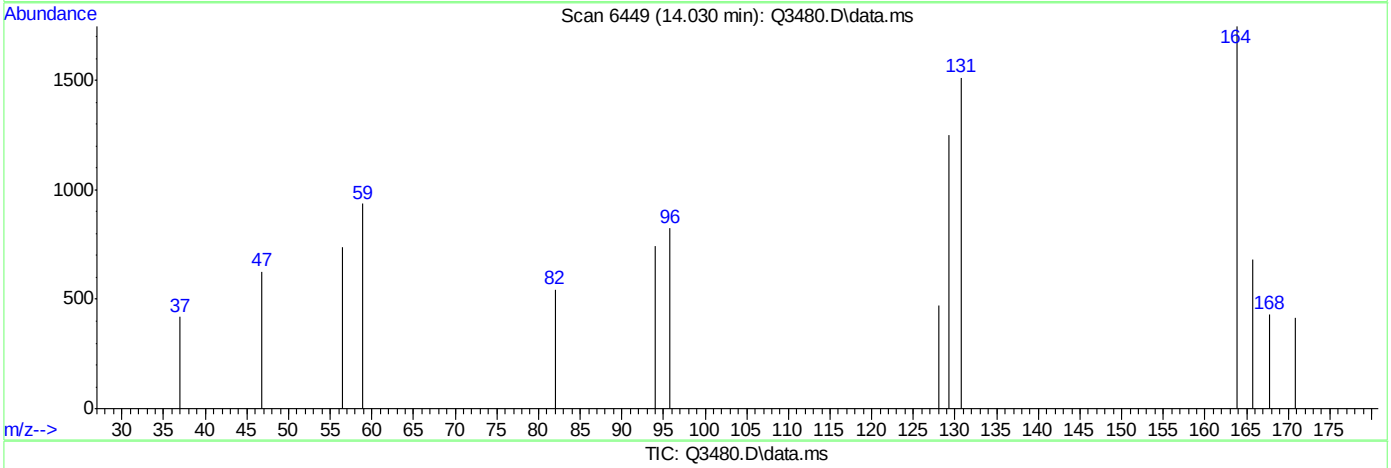
Ion	Exp%	Act%
164.00	100	100
129.00	99.00	0.00#
168.00	60.20	19.43#
131.00	102.50	111.74

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





TIC: Q3480.D\data.ms

(51) TETRACHLOROETHYLENE (m)

14.030min (-0.002) 0.17PPBV m

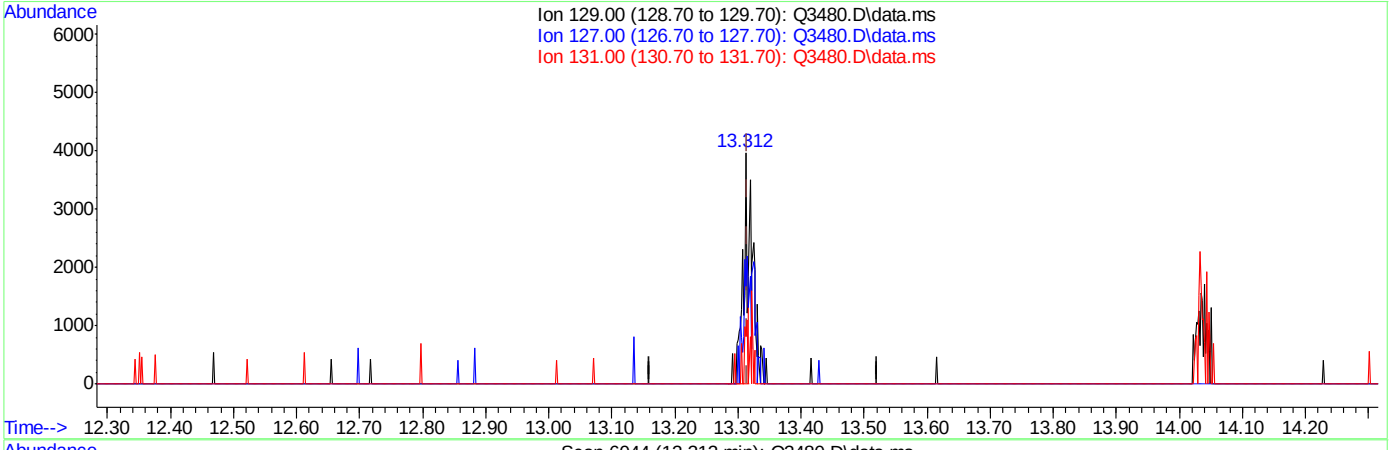
response 1724

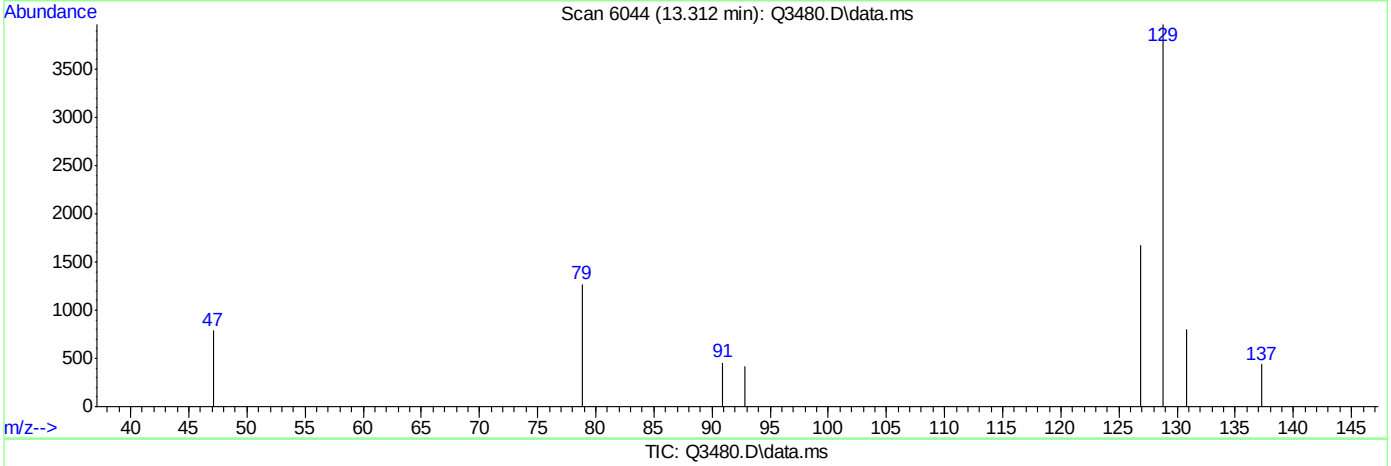
Ion	Exp%	Act%
164.00	100	100
129.00	99.00	0.00#
168.00	60.20	13.34#
131.00	102.50	76.74#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





TIC: Q3480.D\data.ms

(52) DIBROMOCHLOROMETHANE (m)

13.312min (-0.004) 0.07PPBV

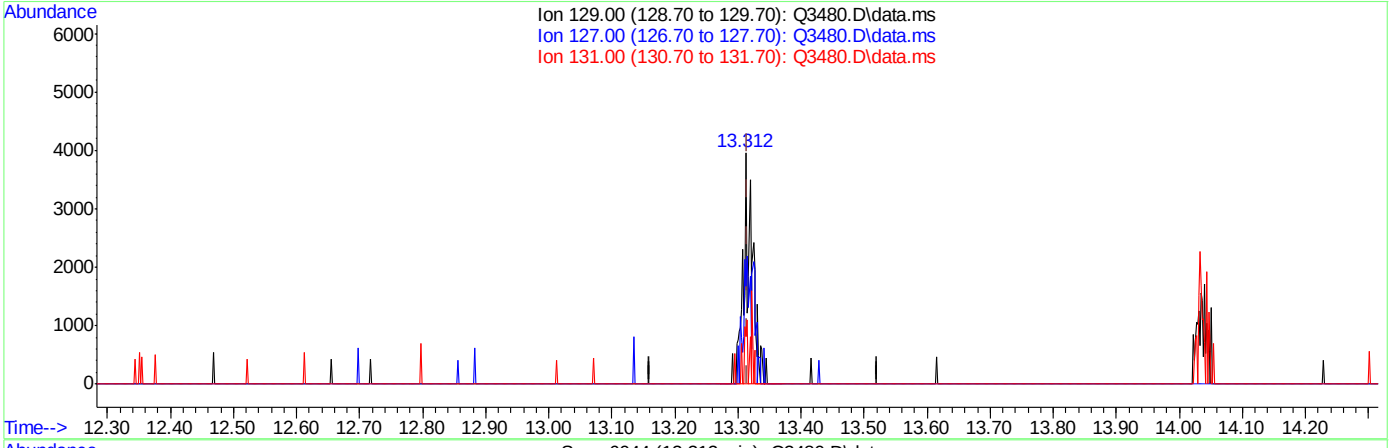
response 1783

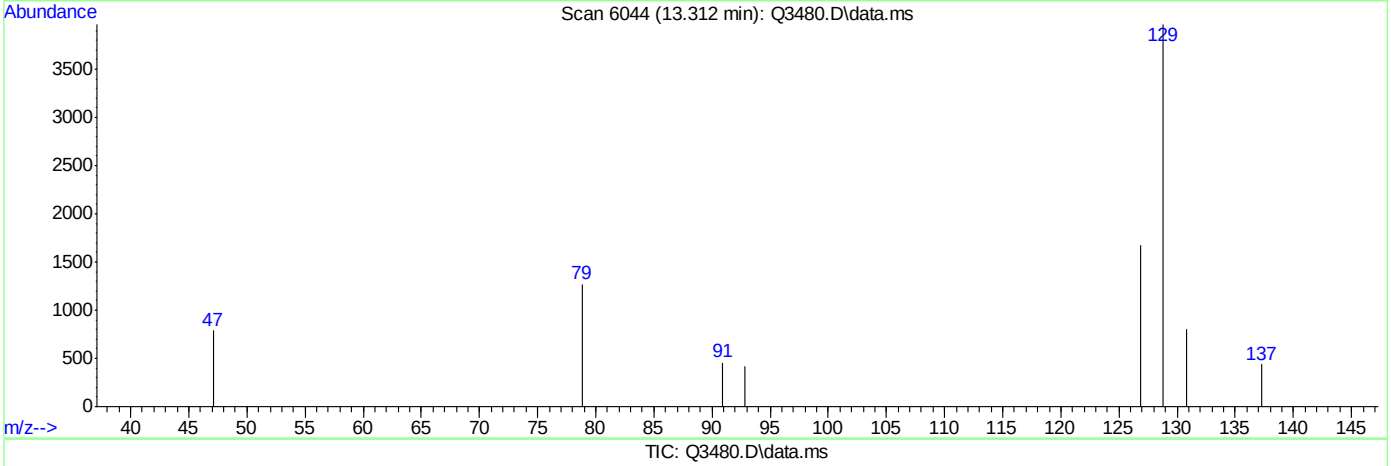
Ion	Exp%	Act%
129.00	100	100
127.00	78.00	144.14#
131.00	25.60	4.21#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





TIC: Q3480.D\data.ms

(52) DIBROMOCHLOROMETHANE (m)

13.312min (-0.004) 0.16PPBV m

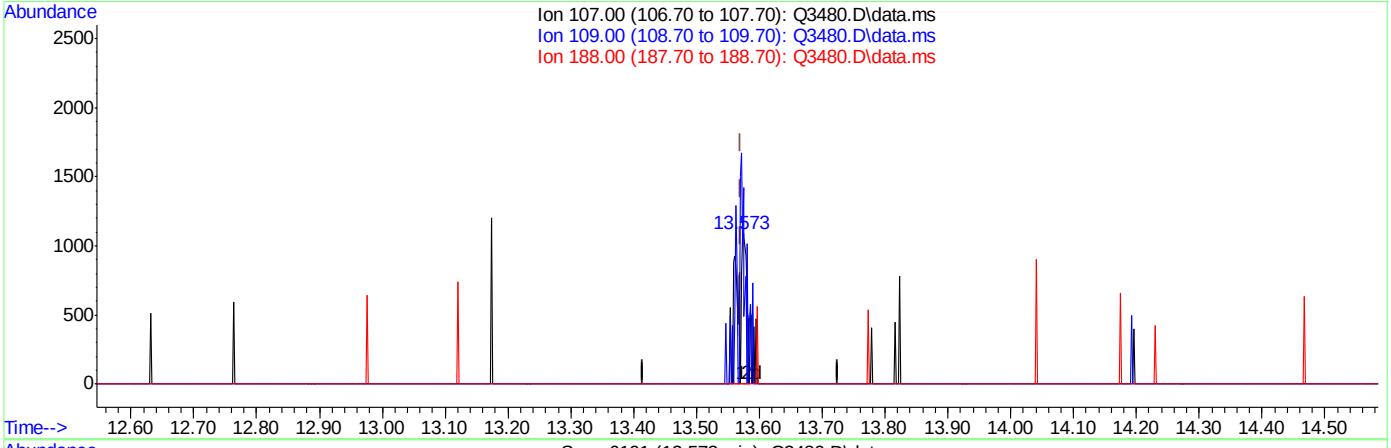
response 3752

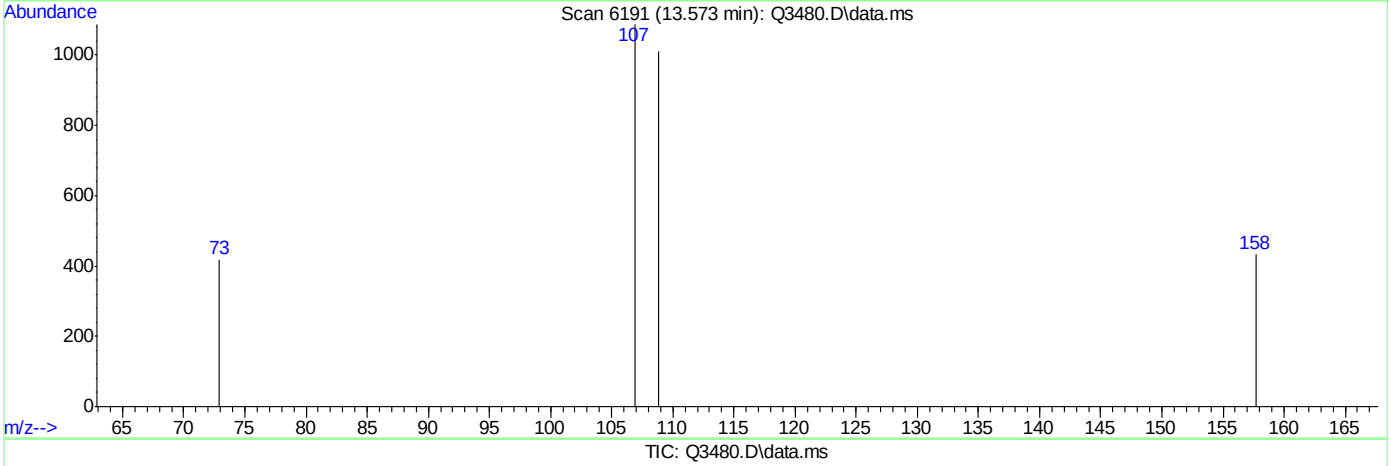
Ion	Exp%	Act%
129.00	100	100
127.00	78.00	68.50
131.00	25.60	2.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On    : 21 May 2007   9:43 pm
Operator  : PhilipB
Sample    : IC189-.2 (M044)
Misc      : MS13602,MSQ189,,,,,1
ALS Vial  : 4   Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration
```



TIC: Q3480.D\data.ms

(53) 1,2-DIBROMOETHANE (m)

13.573min (+0.002) 0.07PPBV

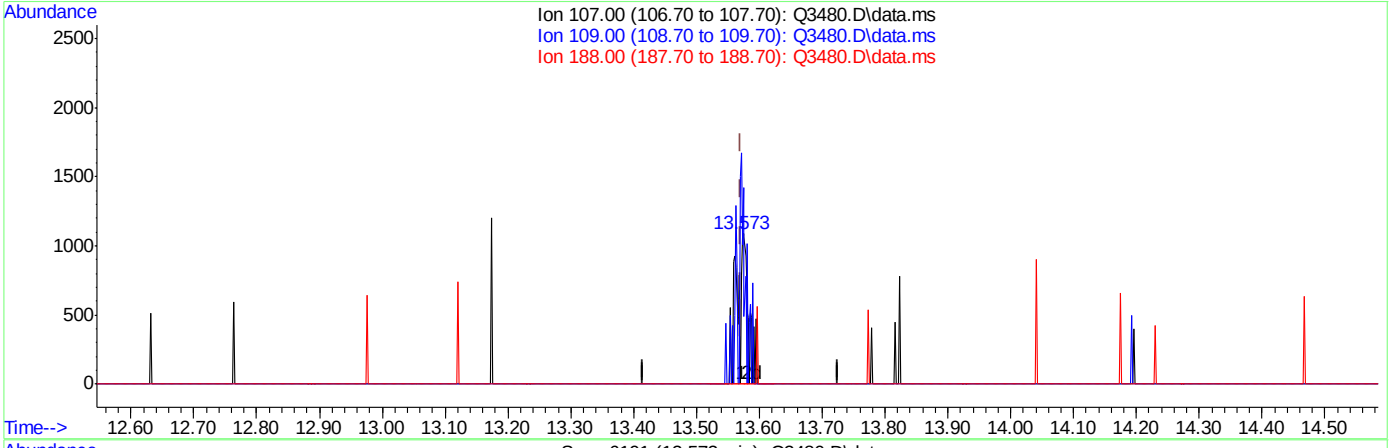
response 1246

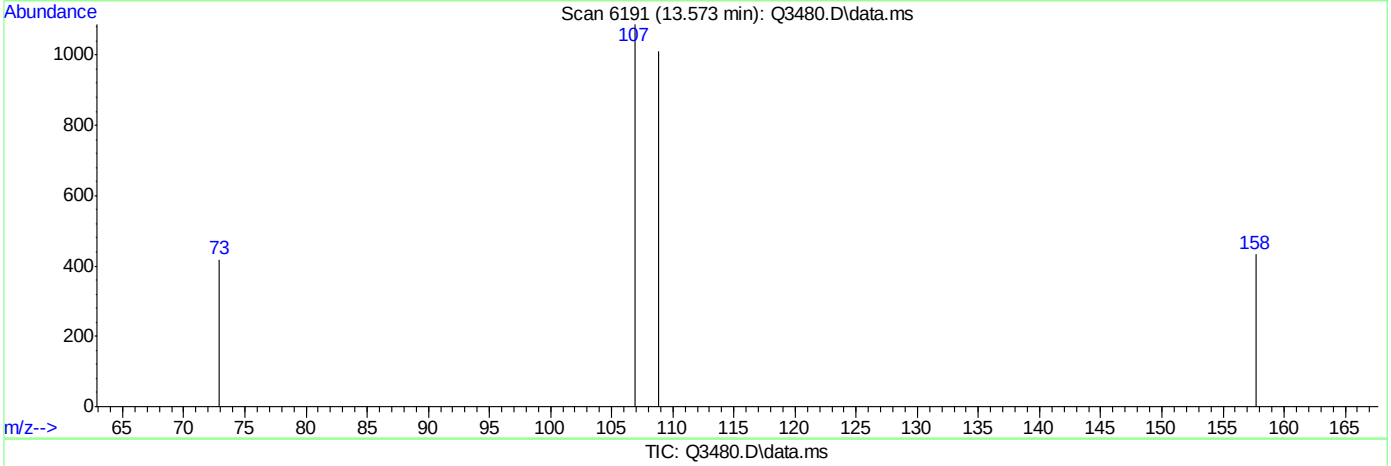
Ion	Exp%	Act%
107.00	100	100
109.00	93.80	116.69#
188.00	2.80	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





TIC: Q3480.D\data.ms

(53) 1,2-DIBROMOETHANE (m)

13.573min (+0.002) 0.08PPBV m

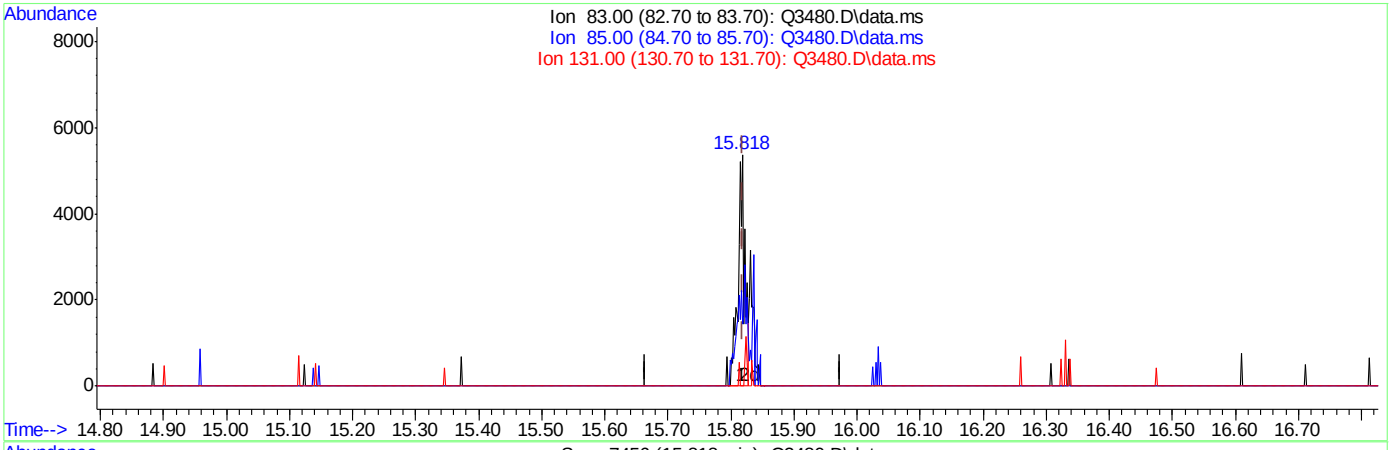
response 1447

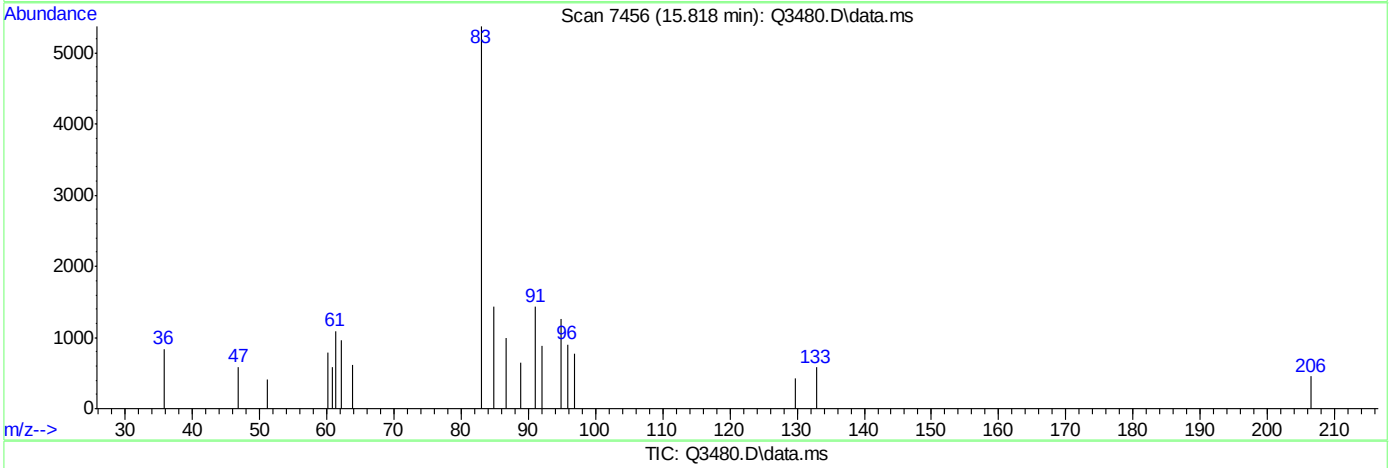
Ion	Exp%	Act%
107.00	100	100
109.00	93.80	100.48
188.00	2.80	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On    : 21 May 2007   9:43 pm
Operator  : PhilipB
Sample    : IC189-.2 (M044)
Misc      : MS13602,MSQ189,,,,,1
ALS Vial  : 4   Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration
```



TIC: Q3480.D\data.ms

(62) 1,1,2,2-TETRACHLOROETHANE (m)

15.818min (-0.002) 0.17PPBV

response 3953

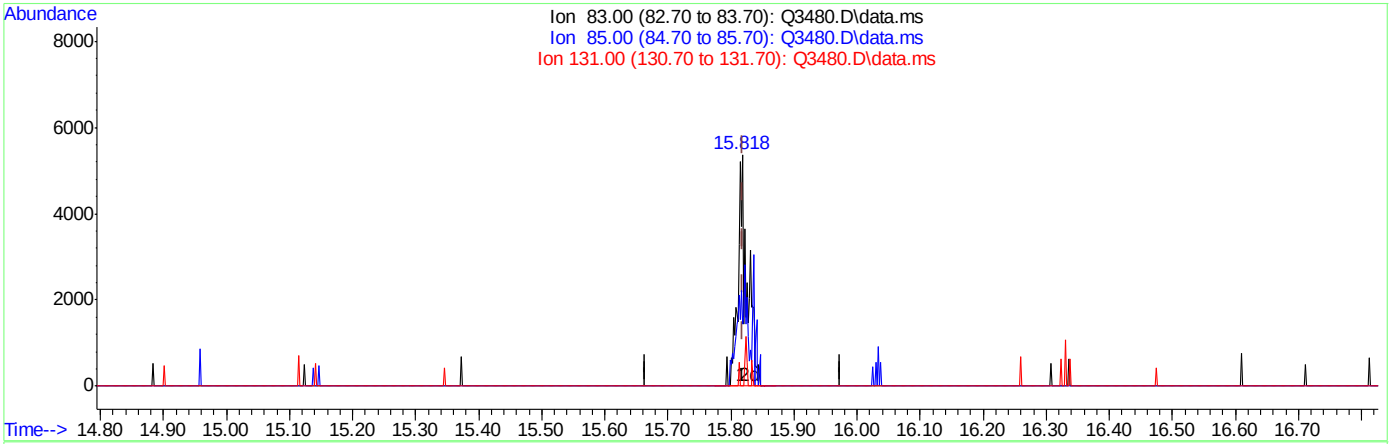
Ion	Exp%	Act%
83.00	100	100
85.00	63.60	0.00#
131.00	14.70	6.20
0.00	0.00	0.00

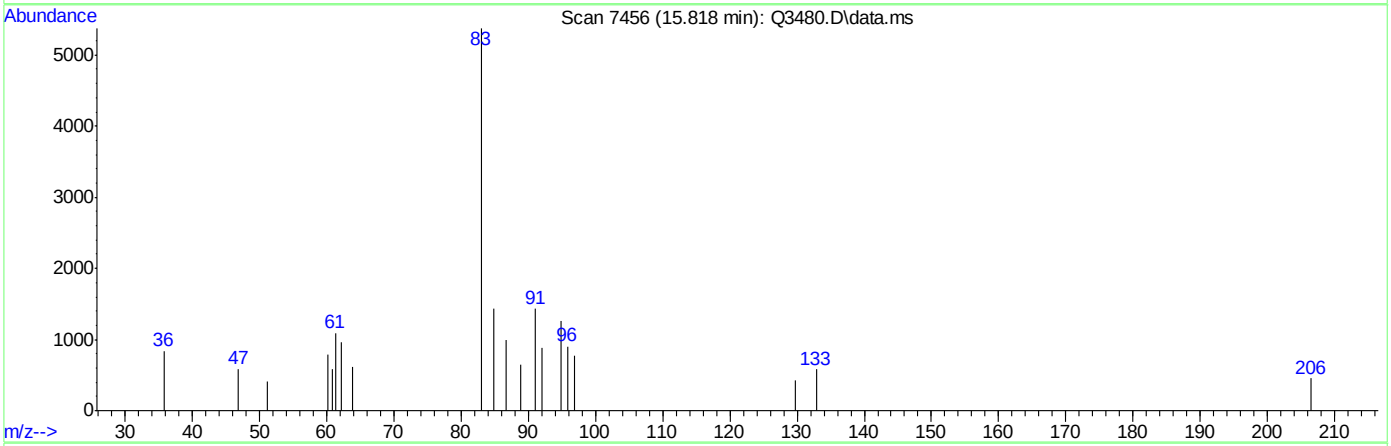
ACCUTEST Laboratories M65503

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On    : 21 May 2007   9:43 pm
Operator  : PhilipB
Sample    : IC189-.2 (M044)
Misc      : MS13602,MSQ189,,,,,1
ALS Vial  : 4   Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration
```



TIC: Q3480.D\data.ms

(62) 1,1,2,2-TETRACHLOROETHANE (m)

15.818min (-0.002) 0.24PPBV m

response 5486

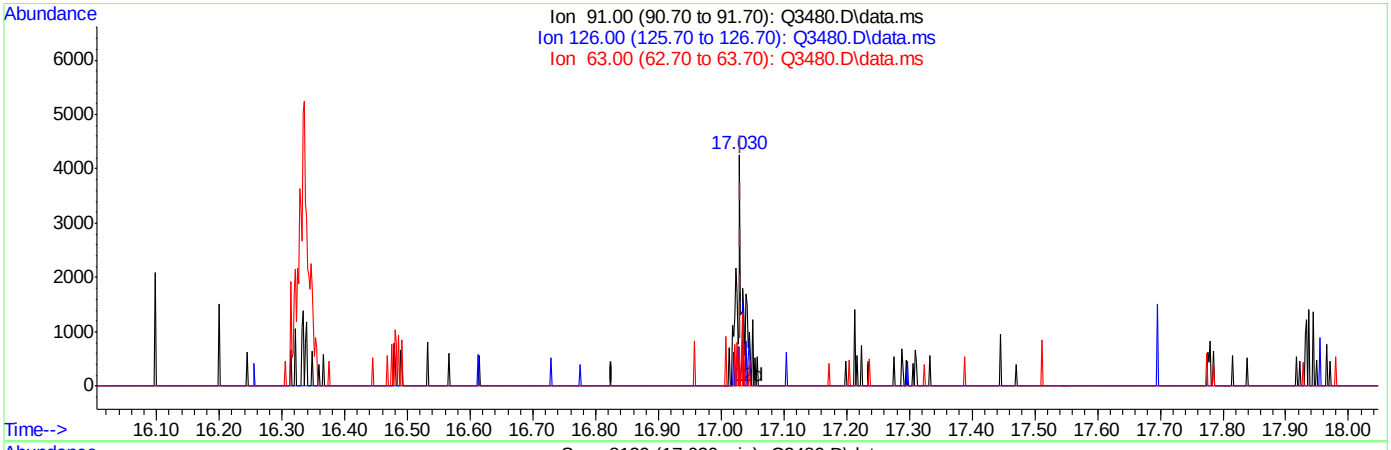
Ion	Exp%	Act%
83.00	100	100
85.00	63.60	0.00#
131.00	14.70	4.47
0.00	0.00	0.00

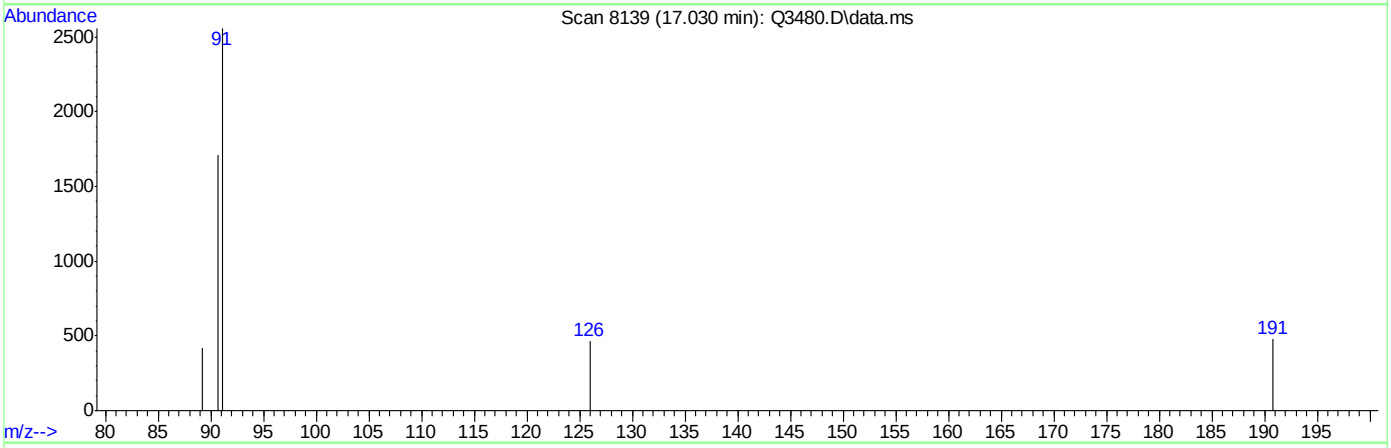
ACCUTEST Laboratories M65503

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On    : 21 May 2007   9:43 pm
Operator  : PhilipB
Sample    : IC189-.2 (M044)
Misc      : MS13602,MSQ189,,,,,1
ALS Vial  : 4   Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration
```



(64) 2-CHLOROTOLUENE (m)

17.030min (-0.002) 0.10PPBV

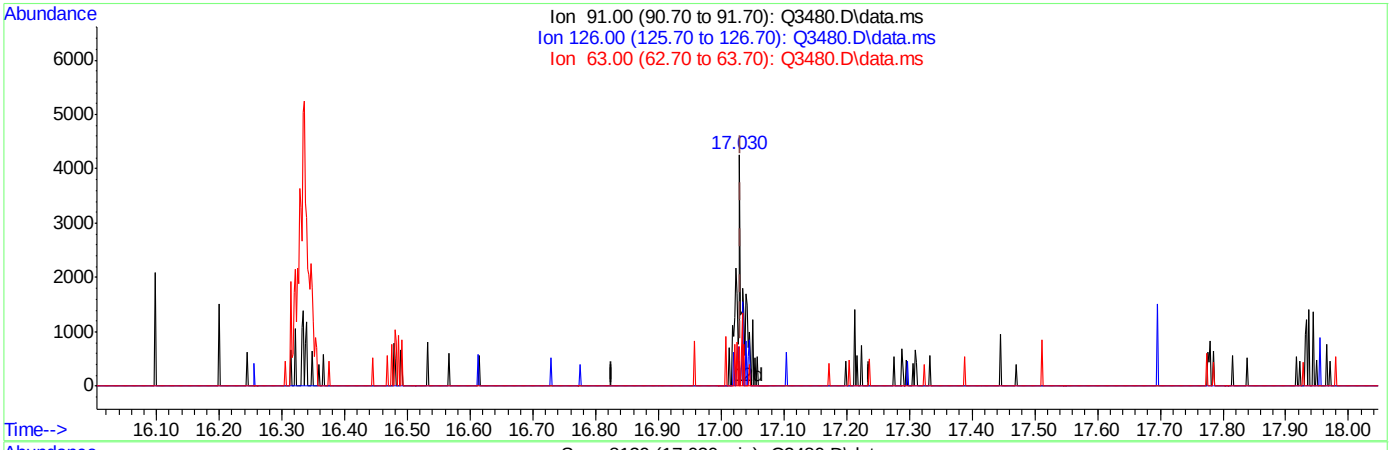
response 2762

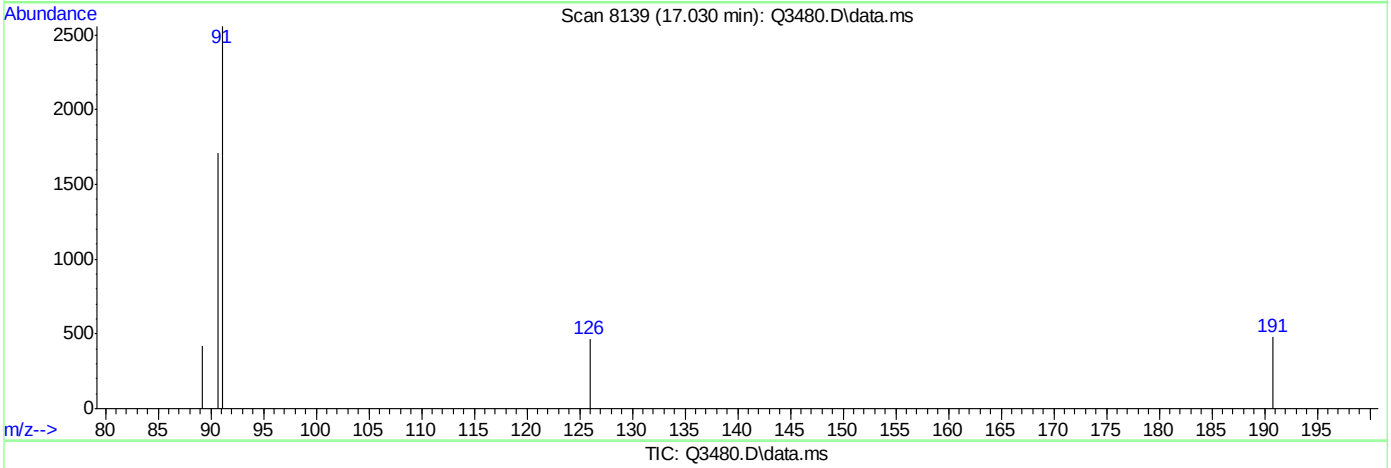
Ion	Exp%	Act%
91.00	100	100
126.00	36.10	18.07
63.00	18.60	11.01
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





TIC: Q3480.D\data.ms

(64) 2-CHLOROTOLUENE (m)

17.030min (-0.002) 0.11PPBV m

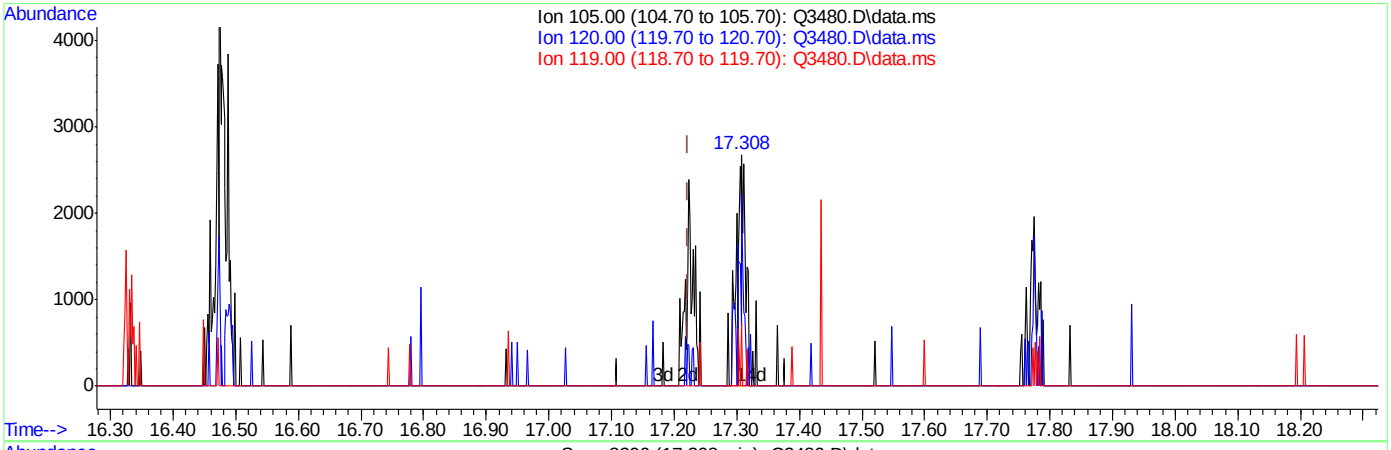
response 3006

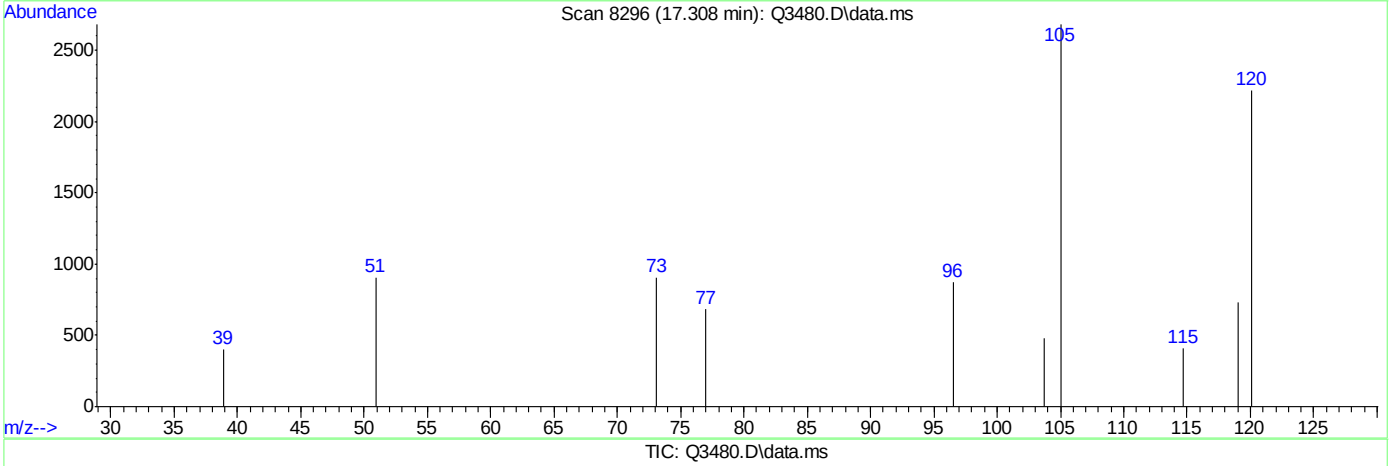
Ion	Exp%	Act%
91.00	100	100
126.00	36.10	16.60
63.00	18.60	10.11
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





TIC: Q3480.D\data.ms

(65) 4-ETHYLTOLUENE (m)

17.308min (+0.085) 0.08PPBV

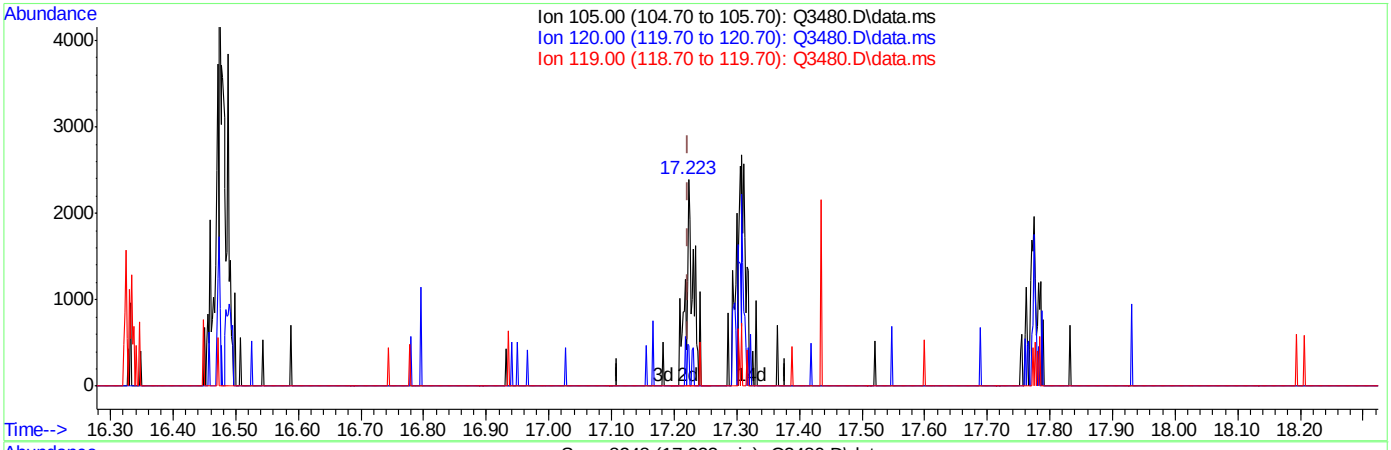
response 2718

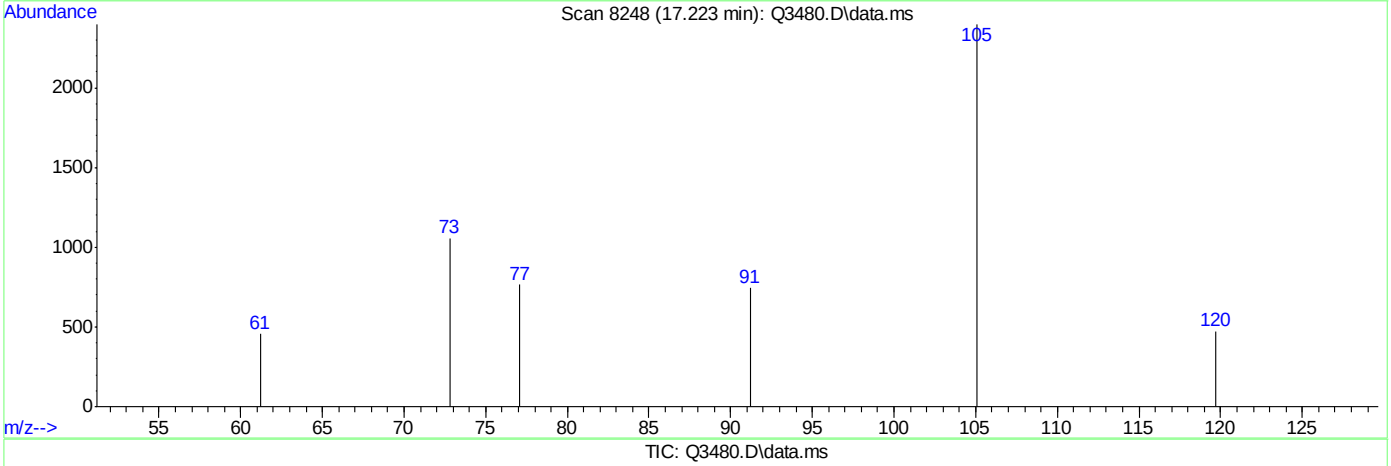
Ion	Exp%	Act%
105.00	100	100
120.00	30.20	44.67
119.00	2.30	8.06
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On    : 21 May 2007   9:43 pm
Operator  : PhilipB
Sample    : IC189-.2 (M044)
Misc      : MS13602,MSQ189,,,,,1
ALS Vial  : 4   Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration
```



TIC: Q3480.D\data.ms

(65) 4-ETHYLTOLUENE (m)

17.223min (-0.000) 0.06PPBV m

response 2006

Ion	Exp%	Act%
105.00	100	100
120.00	30.20	60.52#
119.00	2.30	10.92
0.00	0.00	0.00

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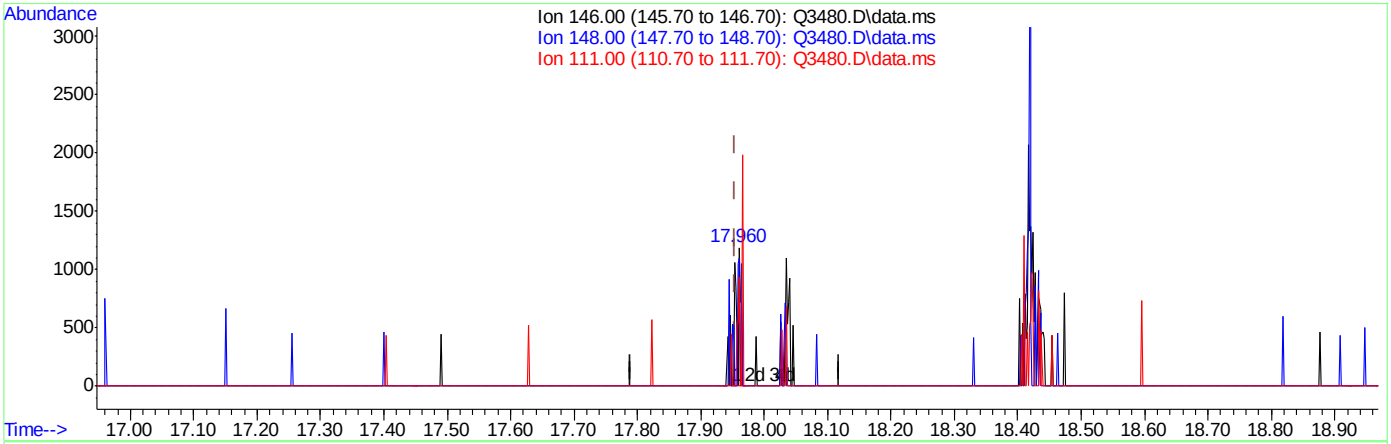
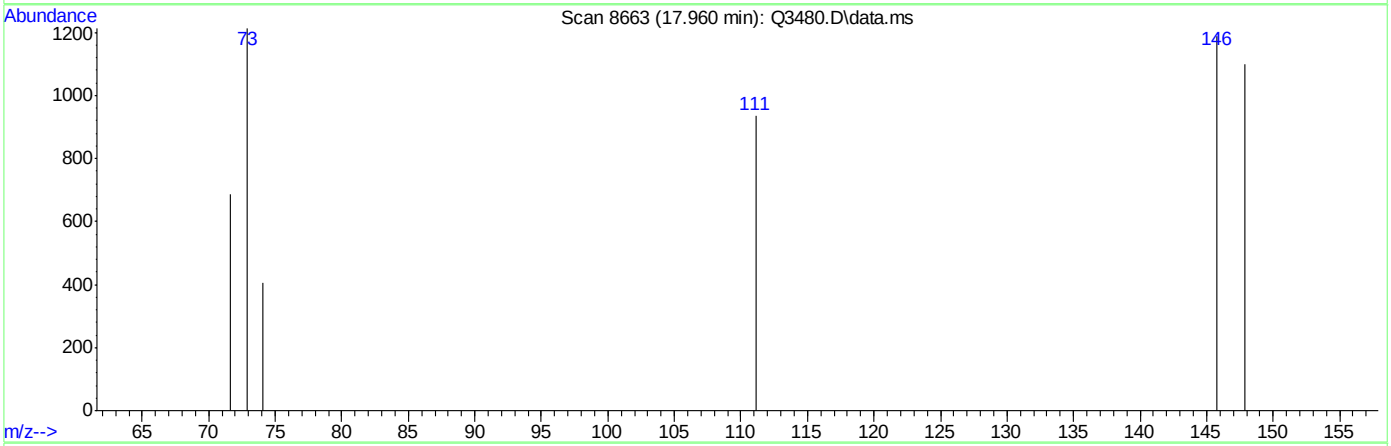
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





TIC: Q3480.D\data.ms

(68) m-DICHLOROBENZENE (m)

17.960min (+0.005) 0.03PPBV

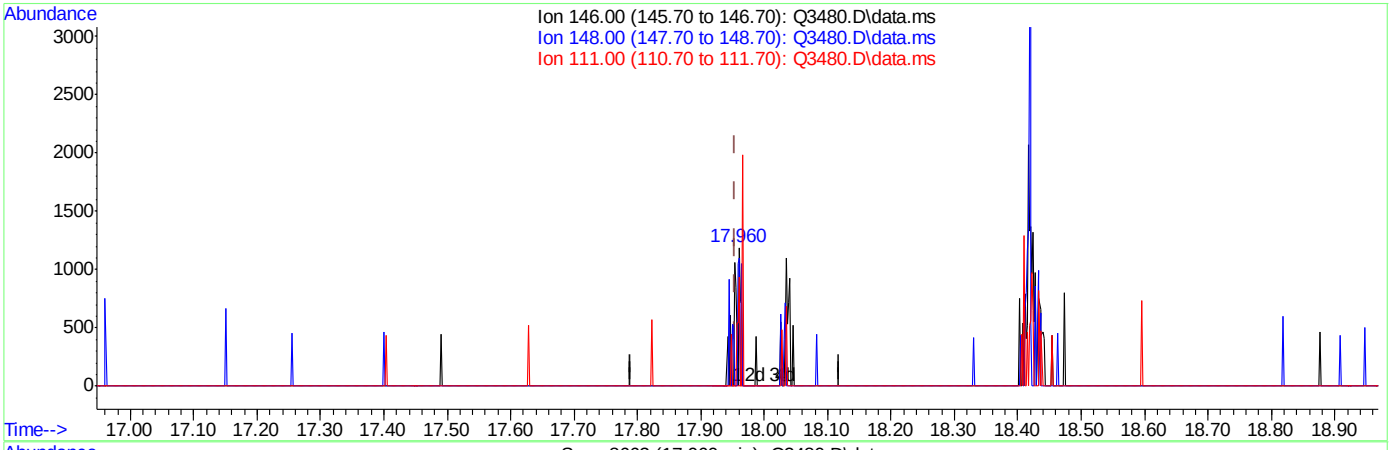
response 530

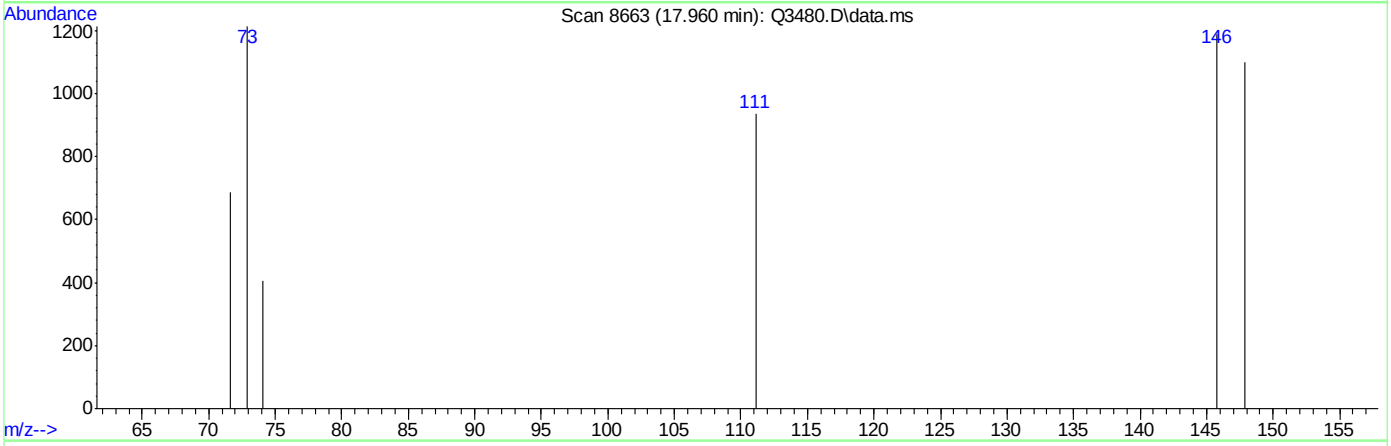
Ion	Exp%	Act%
146.00	100	100
148.00	62.90	64.34
111.00	41.00	80.57#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





TIC: Q3480.D\data.ms

(68) m-DICHLOROBENZENE (m)

17.960min (+0.005) 0.04PPBV m

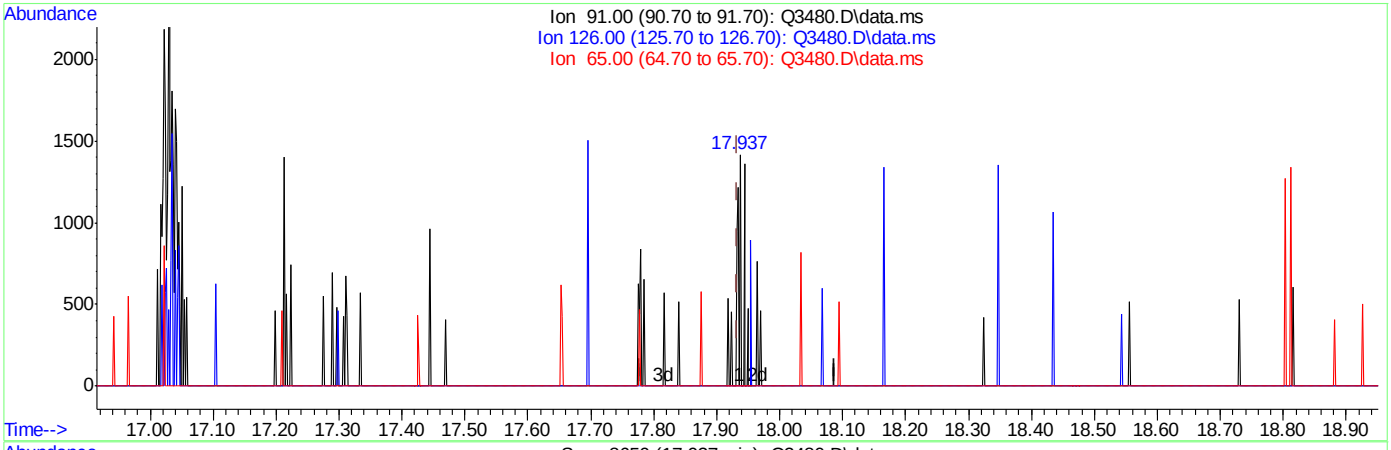
response 685

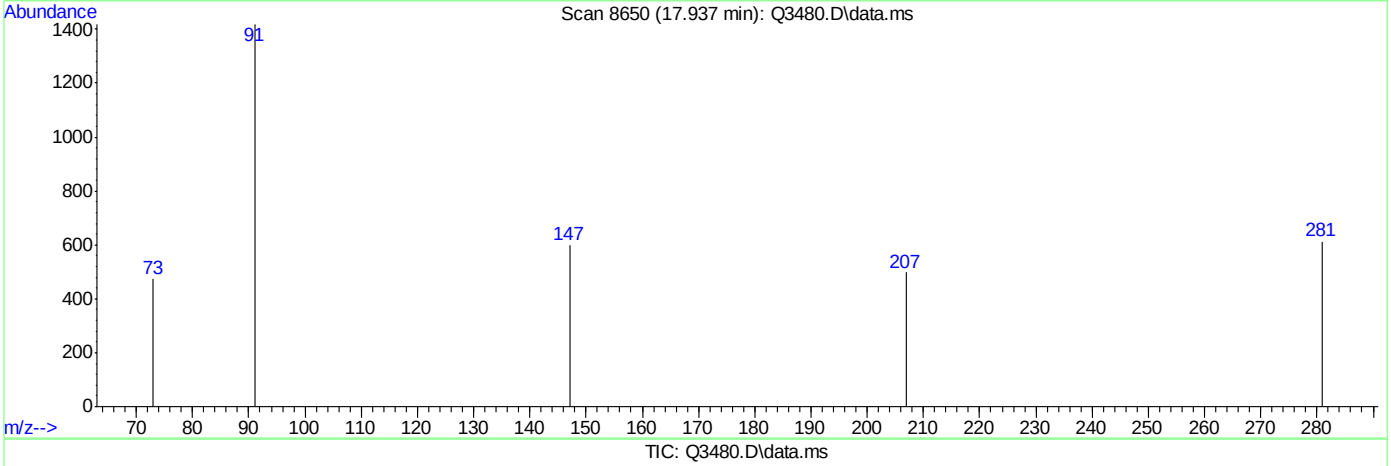
Ion	Exp%	Act%
146.00	100	100
148.00	62.90	49.78
111.00	41.00	62.34#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





TIC: Q3480.D\data.ms

(69) BENZYL CHLORIDE (m)

17.937min (+0.003) 0.04PPBV

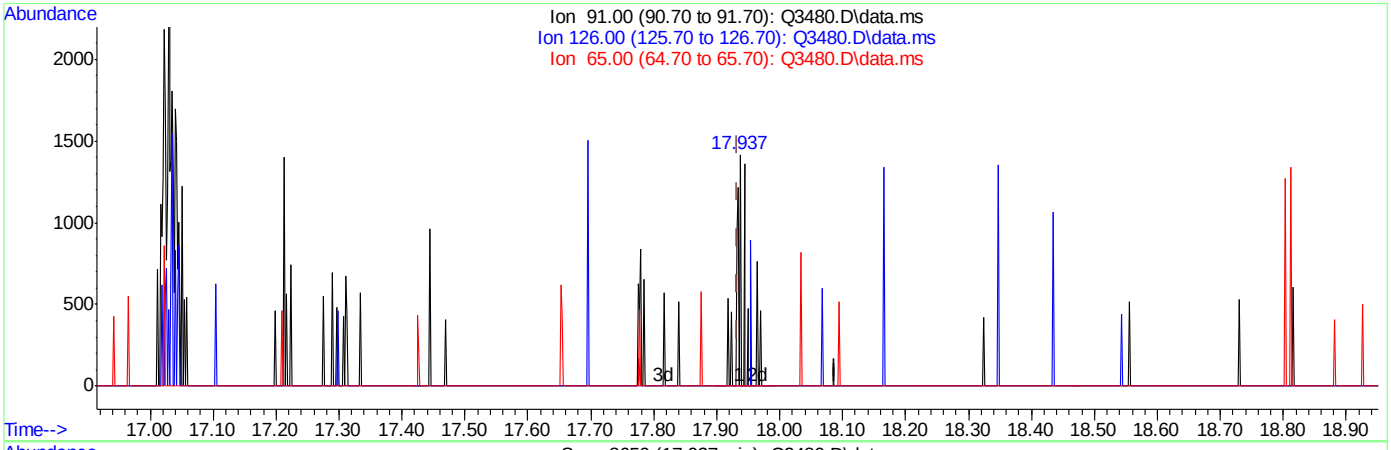
response 684

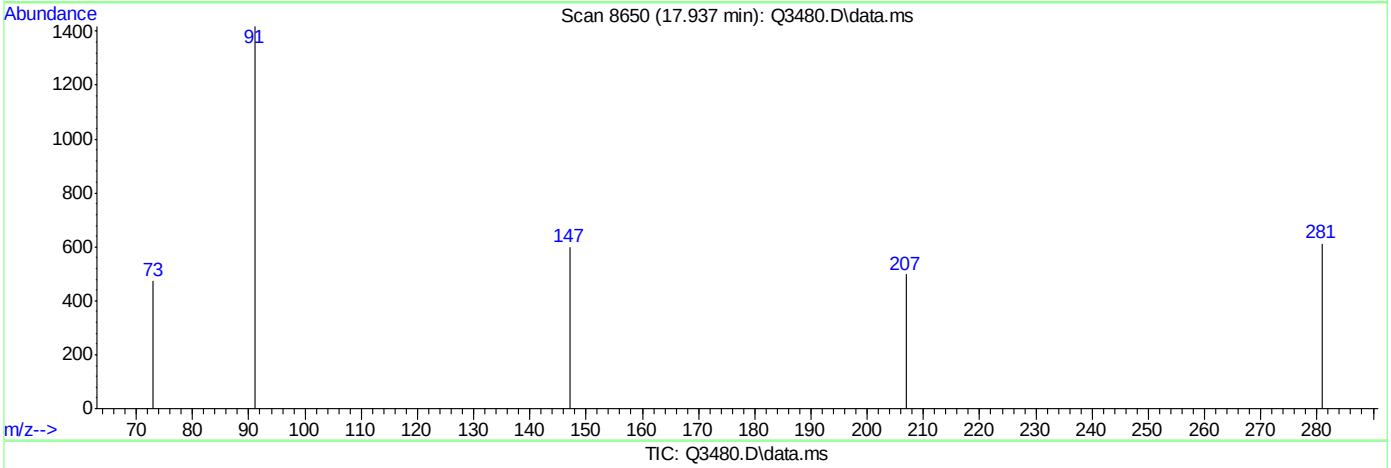
Ion	Exp%	Act%
91.00	100	100
126.00	20.90	0.00#
65.00	12.30	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





TIC: Q3480.D\data.ms

(69) BENZYL CHLORIDE (m)

17.937min (+0.003) 0.05PPBV m

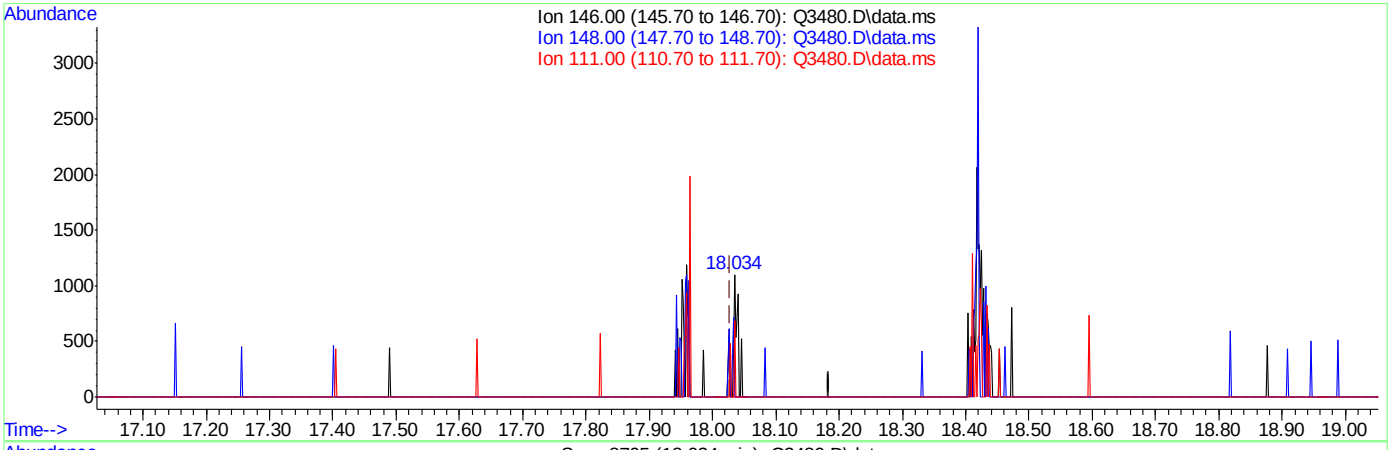
response 813

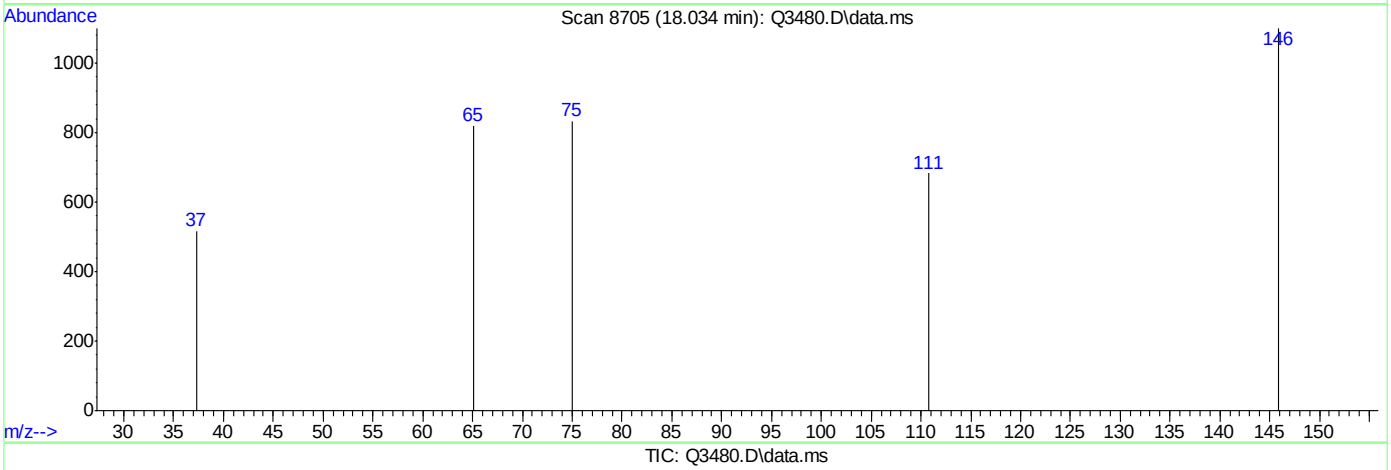
Ion	Exp%	Act%
91.00	100	100
126.00	20.90	0.00#
65.00	12.30	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





TIC: Q3480.D\data.ms

(70) p-DICHLOROBENZENE (m)

18.034min (+0.005) 0.03PPBV

response 455

Ion	Exp%	Act%
146.00	100	100
148.00	64.20	40.44#
111.00	38.90	11.43#
0.00	0.00	0.00

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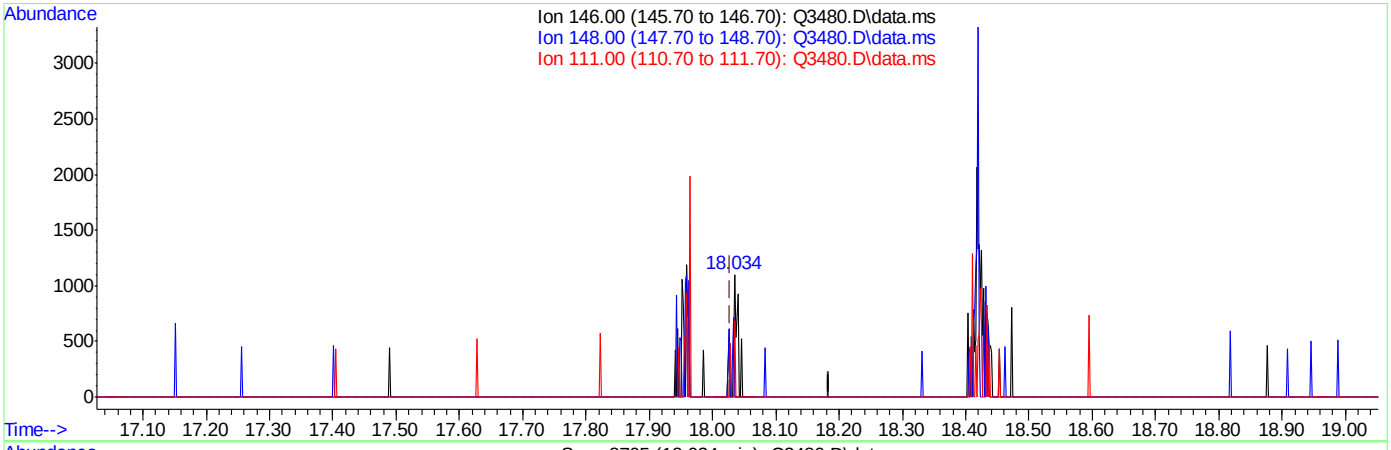
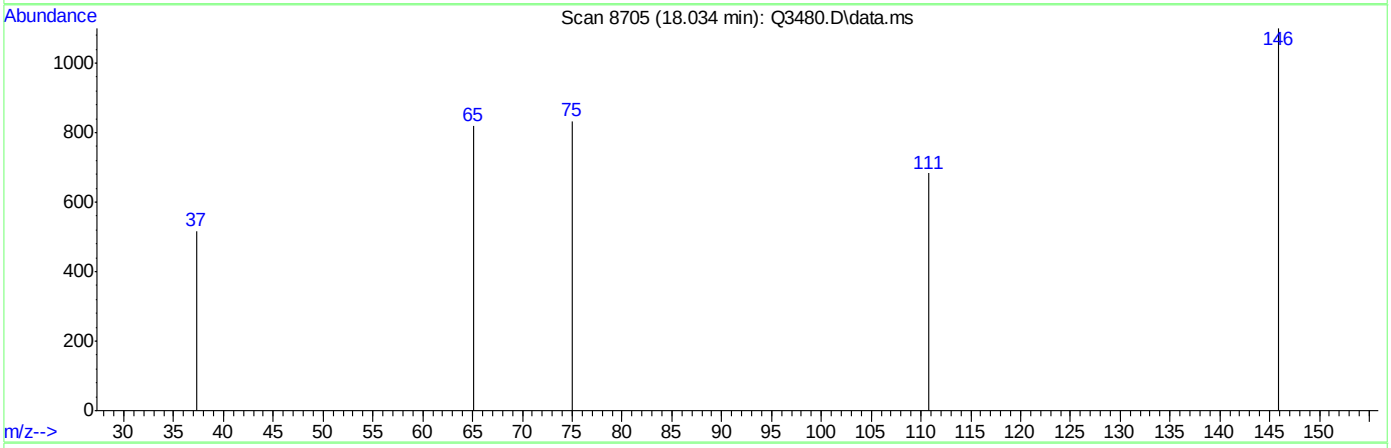
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





TIC: Q3480.D\data.ms

(70) p-DICHLOROBENZENE (m)

18.034min (+0.005) 0.03PPBV m

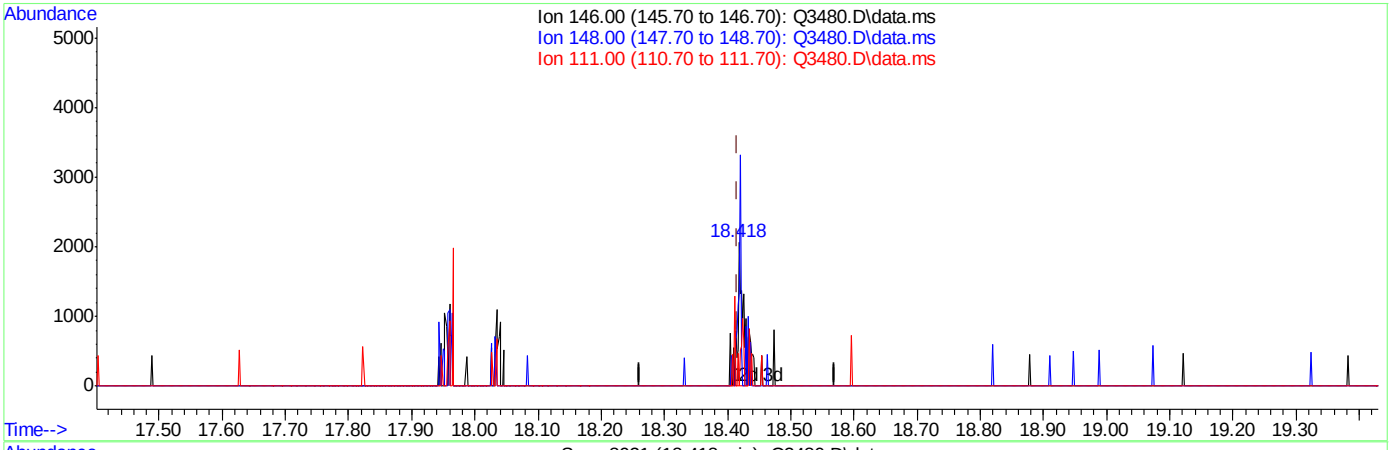
response 514

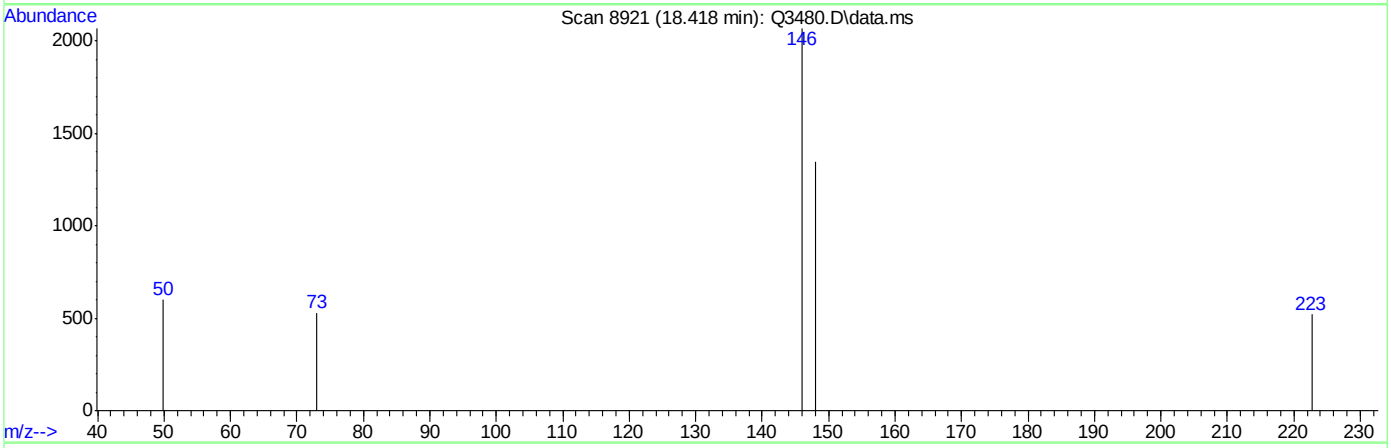
Ion	Exp%	Act%
146.00	100	100
148.00	64.20	35.80#
111.00	38.90	10.12#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





TIC: Q3480.D\data.ms

(71) o-DICHLOROBENZENE (m)

18.418min (+0.002) 0.08PPBV

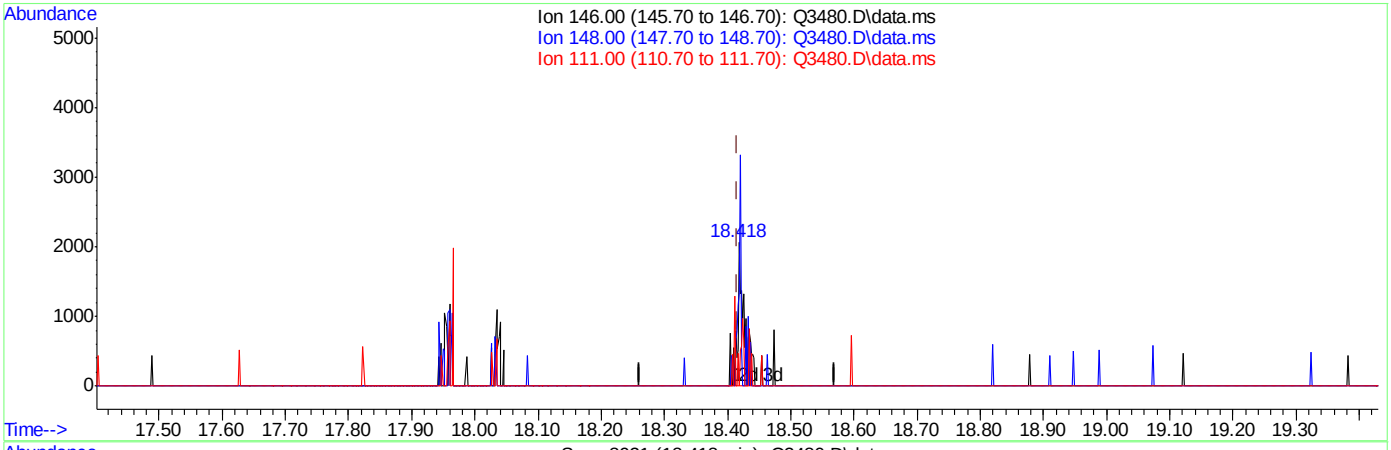
response 1235

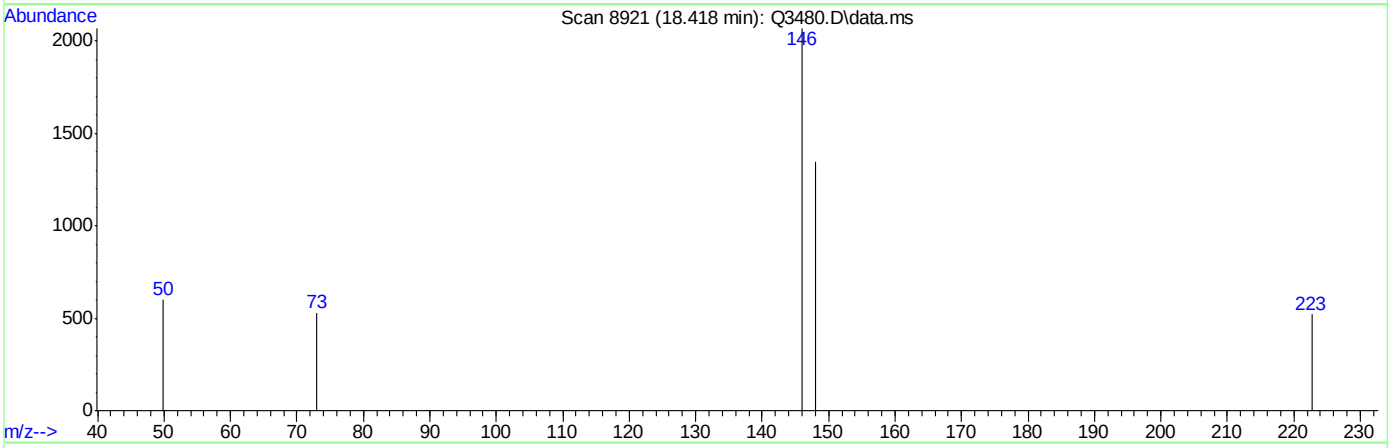
Ion	Exp%	Act%
146.00	100	100
148.00	64.40	75.22
111.00	40.90	38.46
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





TIC: Q3480.D\data.ms

(71) o-DICHLOROBENZENE (m)

18.418min (+0.002) 0.10PPBV m

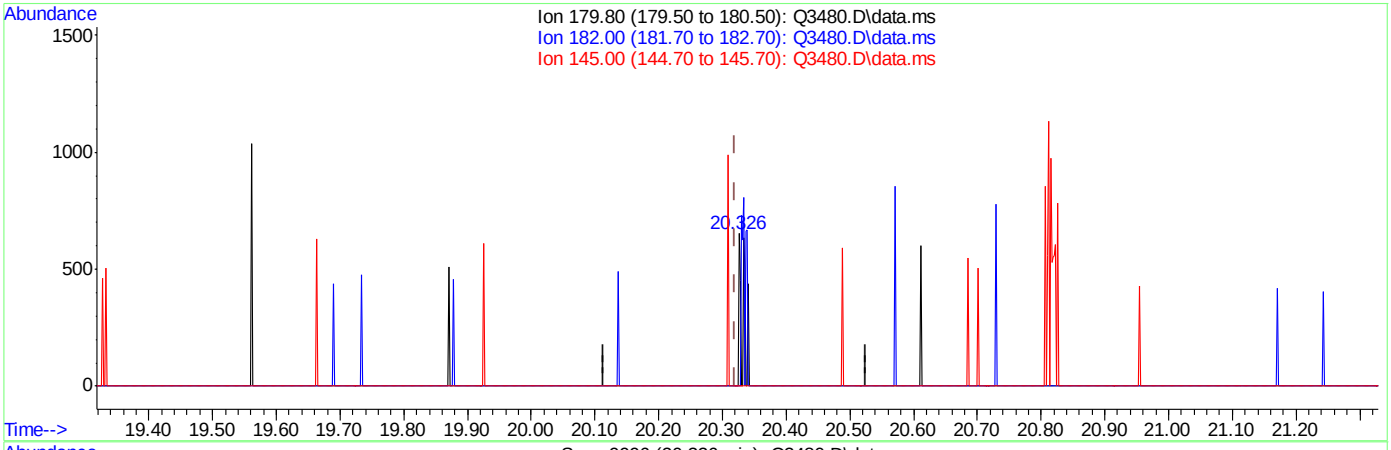
response 1598

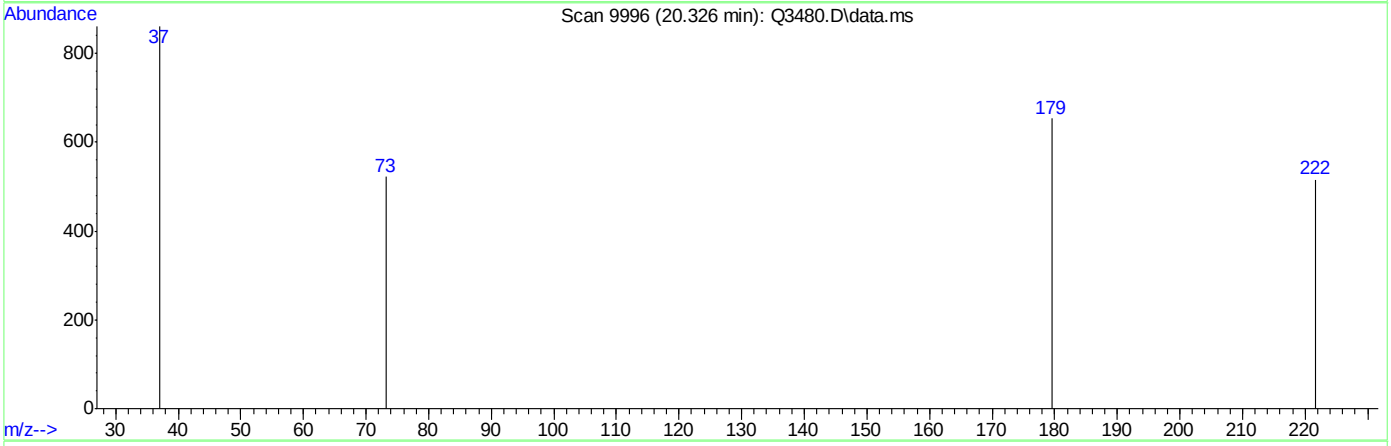
Ion	Exp%	Act%
146.00	100	100
148.00	64.40	58.14
111.00	40.90	29.72
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





TIC: Q3480.D\data.ms

(73) 1,2,4-TRICHLOROBENZENE (m)

20.326min (+0.006) 0.04PPBV

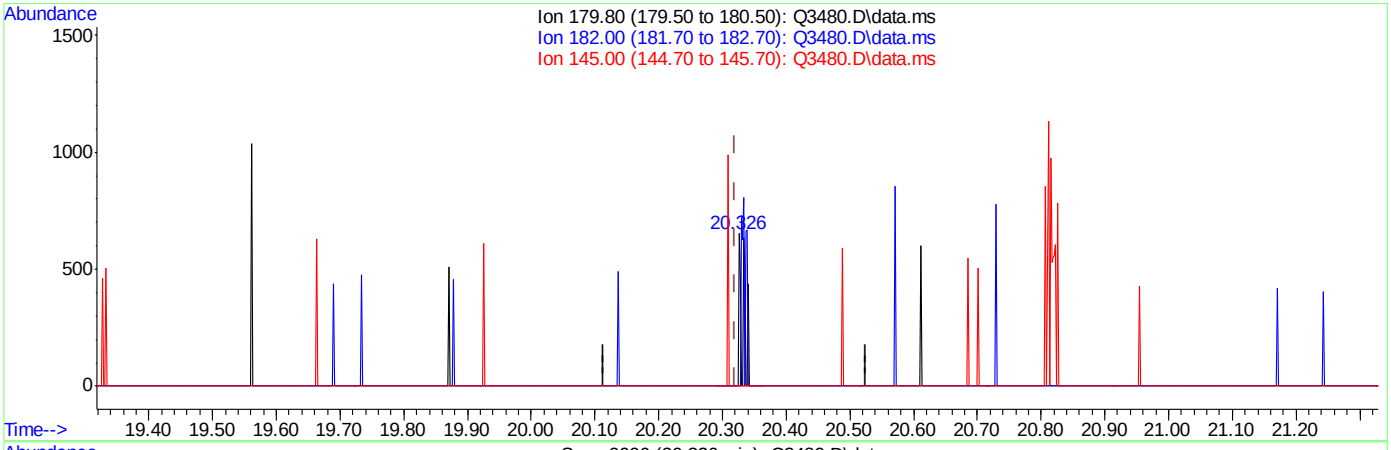
response 118

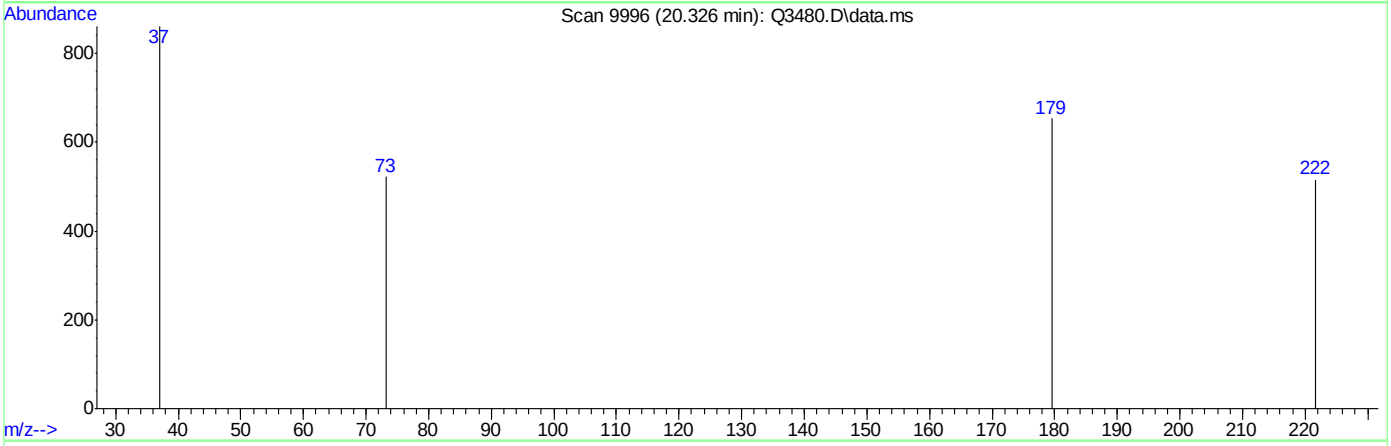
Ion	Exp%	Act%
179.80	100	100
182.00	91.20	315.25#
145.00	35.30	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





TIC: Q3480.D\data.ms

(73) 1,2,4-TRICHLOROBENZENE (m)

20.326min (+0.006) 0.10PPBV m

response 285

Ion	Exp%	Act%
179.80	100	100
182.00	91.20	130.53#
145.00	35.30	0.00#
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
05/23/07 16:02

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3482.D
Acq On : 22 May 2007 9:55 am
Operator : PhilipB
Sample : ICV189-10 (M068)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 22 15:16:57 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:36:34 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.419	128	77343	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.344	114	368037	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.696	117	305650	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.334	95	124899	5.32	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 106.40%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	3.588	85	490433	7.47	PPBV	80
3) PROPYLENE	3.519	41	73375	7.18	PPBV	93
4) FREON 114	3.852	85	508195	8.58	PPBV #	100
5) CHLOROMETHANE	3.755	50	104810	7.23	PPBV	90
6) VINYL CHLORIDE	3.980	62	117793	8.13	PPBV	73
7) 1,3-BUTADIENE	4.117	39	130539	8.13	PPBV #	100
8) BROMOMETHANE	4.395	94	156552	8.77	PPBV #	100
9) CHLOROETHANE	4.571	64	59364	7.94	PPBV #	100
10) TRICHLOROFLUOROMETHANE	5.386	101	991703	10.19	PPBV #	100
11) ISOPROPYL ALCOHOL	5.435	45	306199	10.97	PPBV	90
12) ACETONE	5.182	43	343544	10.47	PPBV	81
13) PENTANE	5.764	42	182514	11.18	PPBV #	100
14) 1,1-DICHLOROETHYLENE	6.062	96	230080	11.23	PPBV #	21
15) CARBON DISULFIDE	6.518	76	539720	10.26	PPBV #	47
16) ETHANOL	4.662	45	42301	9.82	PPBV #	100
17) BROMOETHENE	4.937	106	171424	9.11	PPBV #	100
18) METHYLENE CHLORIDE	6.186	84	187872	9.89	PPBV #	1
19) 3-CHLOROPROPENE	6.316	39	273987	9.93	PPBV #	1
20) FREON 113	6.467	151	643635	9.87	PPBV #	100
21) TRANS-1,2-DICHLOROETHY...	7.178	96	204360	9.98	PPBV #	100
22) TERTIARY BUTYL ALCOHOL	6.081	59	414982	10.75	PPBV #	100
23) METHYL TERTIARY BUTYL ...	7.443	73	501447	10.99	PPBV #	100
24) TETRAHYDROFURAN	8.949	42	120380	10.22	PPBV #	100
25) HEXANE	8.458	57	139575	9.26	PPBV #	100
26) VINYL ACETATE	7.528	43	515419	10.76	PPBV	87
27) 1,1-DICHLOROETHANE	7.388	63	389247	10.50	PPBV #	100
28) METHYL ETHYL KETONE	7.791	43	254556	9.65	PPBV	96
29) cis-1,2-DICHLOROETHYLENE	8.247	96	110357	9.96	PPBV #	100
30) ETHYL ACETATE	8.461	43	427554	9.71	PPBV	100
31) CHLOROFORM	8.550	83	345196	9.59	PPBV #	100
32) 1,1,1-TRICHLOROETHANE	9.549	97	379604	8.99	PPBV	95
33) CARBON TETRACHLORIDE	10.156	117	453071	9.34	PPBV	97
34) 1,2-DICHLOROETHANE	9.297	62	237056	9.66	PPBV	96
36) BENZENE	10.007	78	301424	9.12	PPBV	99
37) CYCLOHEXANE	10.284	84	109019	9.28	PPBV #	84
38) TRICHLOROETHYLENE	11.049	95	194693	9.77	PPBV #	85
39) 1,2-DICHLOROPROPANE	10.813	63	114519	10.42	PPBV #	76
40) BROMODICHLOROMETHANE	11.010	83	354257	9.40	PPBV	98
41) 2,2,4-TRIMETHYLPENTANE	11.070	57	509544	9.80	PPBV	94
42) 1,4-DIOXANE	11.040	88	60628	10.79	PPBV #	73
43) HEPTANE	11.321	43	191939	9.57	PPBV	89

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3482.D
Acq On : 22 May 2007 9:55 am
Operator : PhilipB
Sample : ICV189-10 (M068)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 22 15:16:57 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:36:34 2007
Response via : Initial Calibration

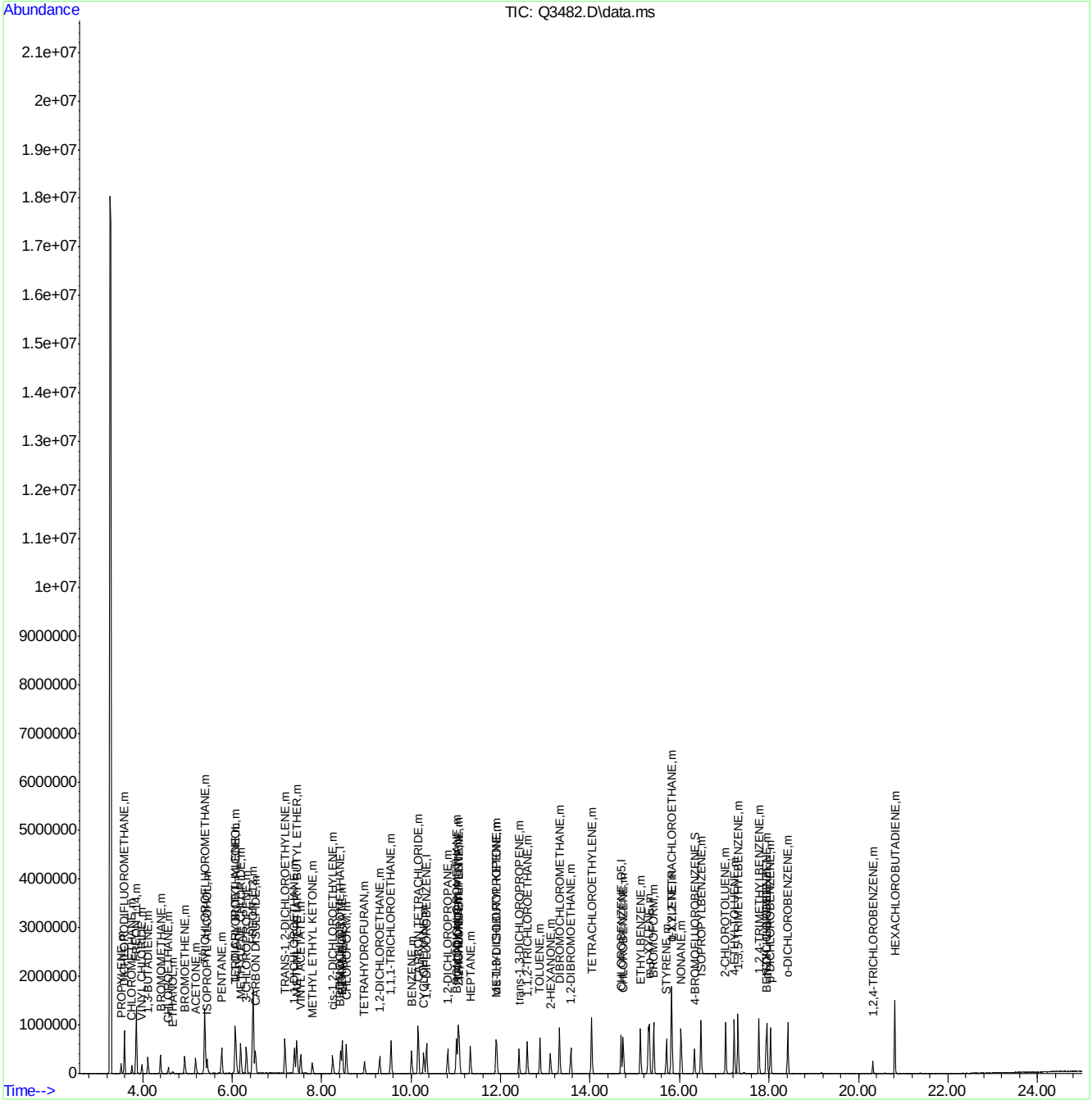
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) METHYL ISOBUTYL KETONE	11.913	43	318707	10.43	PPBV		92
45) cis-1,3-DICHLOROPROPENE	11.892	75	178833	9.57	PPBV	#	82
46) TOLUENE	12.879	92	225708	11.61	PPBV		100
47) trans-1,3-DICHLOROPROPENE	12.412	75	186114	10.21	PPBV	#	100
48) 1,1,2-TRICHLOROETHANE	12.595	83	133386	9.91	PPBV		93
50) 2-HEXANONE	13.110	43	271714	9.95	PPBV		92
51) TETRACHLOROETHYLENE	14.032	164	159373	9.62	PPBV		97
52) DIBROMOCHLOROMETHANE	13.315	129	365939	10.01	PPBV		99
53) 1,2-DIBROMOETHANE	13.571	107	250932	9.19	PPBV		95
54) CHLOROBENZENE	14.742	112	301271	9.19	PPBV		96
55) ETHYLBENZENE	15.126	91	548224	10.46	PPBV		95
56) m,p-XYLENE	15.323	106	401669m	19.08	PPBV		
57) o-XYLENE	15.825	106	204513	9.41	PPBV	#	88
58) STYRENE	15.708	104	255558	9.90	PPBV		99
59) NONANE	16.033	43	337756	10.48	PPBV		90
60) BROMOFORM	15.422	173	381534	10.81	PPBV		99
62) 1,1,2,2-TETRACHLOROETHANE	15.820	83	369399	10.01	PPBV		98
63) ISOPROPYLBENZENE	16.476	105	588177	10.41	PPBV		95
64) 2-CHLOROTOLUENE	17.030	91	447351	10.35	PPBV		91
65) 4-ETHYLTOLUENE	17.223	105	547371	9.29	PPBV		96
66) 1,3,5-TRIMETHYLBENZENE	17.307	105	515668	9.11	PPBV		93
67) 1,2,4-TRIMETHYLBENZENE	17.772	105	476970	9.18	PPBV		93
68) m-DICHLOROBENZENE	17.956	146	281669	8.90	PPBV		95
69) BENZYL CHLORIDE	17.933	91	319262	8.16	PPBV		94
70) p-DICHLOROBENZENE	18.029	146	269975	9.49	PPBV		97
71) o-DICHLOROBENZENE	18.418	146	254092	8.50	PPBV		96
72) HEXACHLOROBUTADIENE	20.812	225	145900	8.88	PPBV		99
73) 1,2,4-TRICHLOROBENZENE	20.322	180	40400	8.74	PPBV		94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3482.D
Acq On : 22 May 2007 9:55 am
Operator : PhilipB
Sample : ICV189-10 (M068)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 22 15:16:57 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:36:34 2007
Response via : Initial Calibration



Quantitation Report (Qedit)

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Data Path : C:\msdchem\1\DATA\
Data File : Q3482.D
Acq On    : 22 May 2007   9:55 am
Operator  : PhilipB
Sample    : ICV189-10 (M068)
Misc      : MS13602,MSQ189,,,,,1
ALS Vial  : 1   Sample Multiplier: 1

Quant Time: May 22 11:06:35 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:36:34 2007
Response via : Initial Calibration
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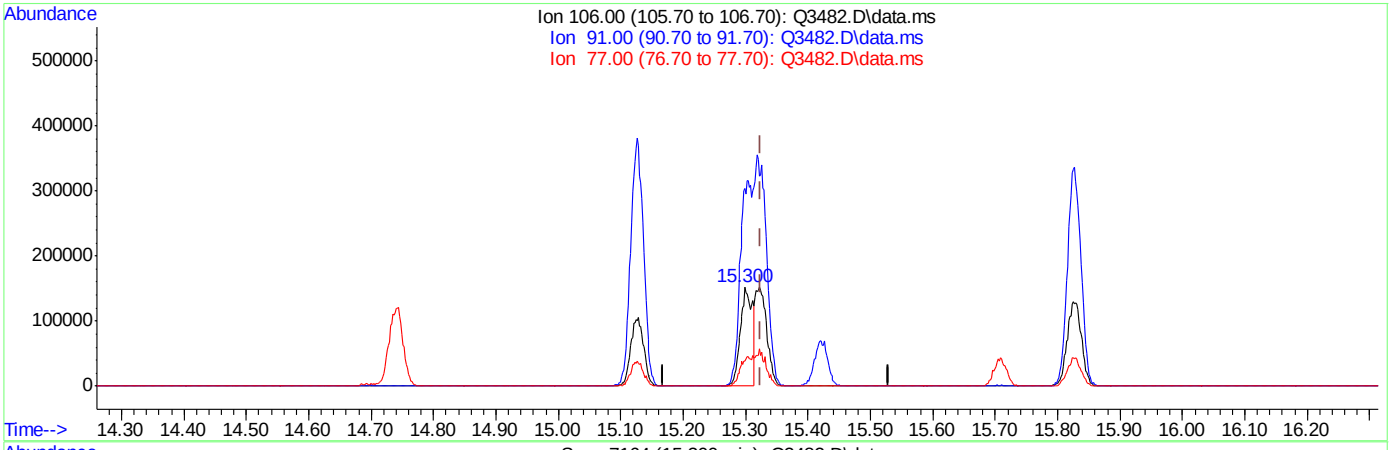

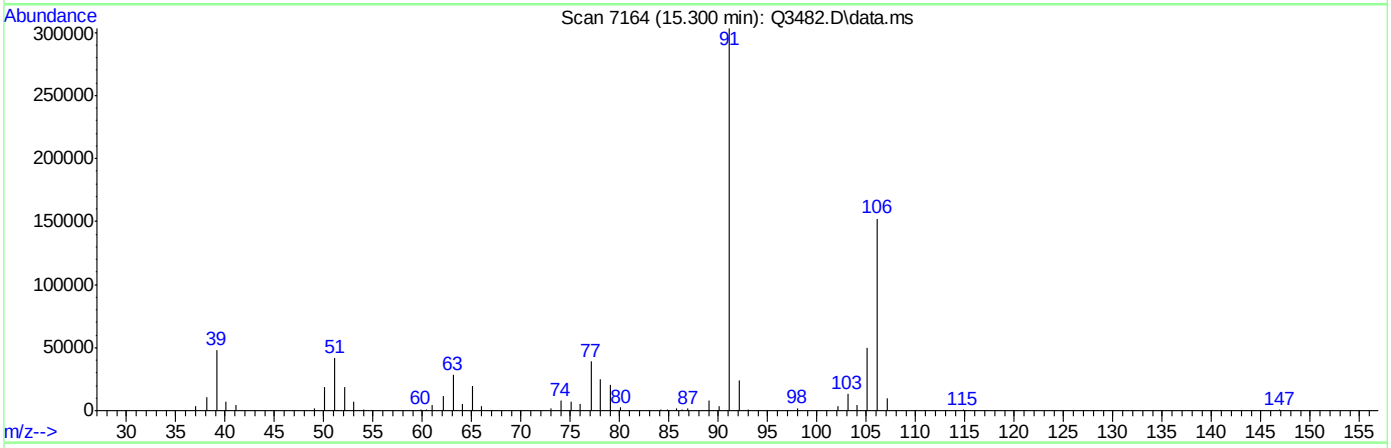

TIC: Q3482.D\data.ms

(56) m,p-XYLENE (m)

15.300min (-0.024) 9.88PPBV

response 208012

Ion	Exp%	Act%
106.00	100	100
91.00	204.20	199.16
77.00	30.60	25.65
0.00	0.00	0.00

ACCUTEST Laboratories M65503

Quantitation Report (Qedit)

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Data Path : C:\msdchem\1\DATA\
Data File : Q3482.D
Acq On    : 22 May 2007   9:55 am
Operator  : PhilipB
Sample    : ICV189-10 (M068)
Misc      : MS13602,MSQ189,,,,,1
ALS Vial  : 1   Sample Multiplier: 1

Quant Time: May 22 11:06:35 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:36:34 2007
Response via : Initial Calibration
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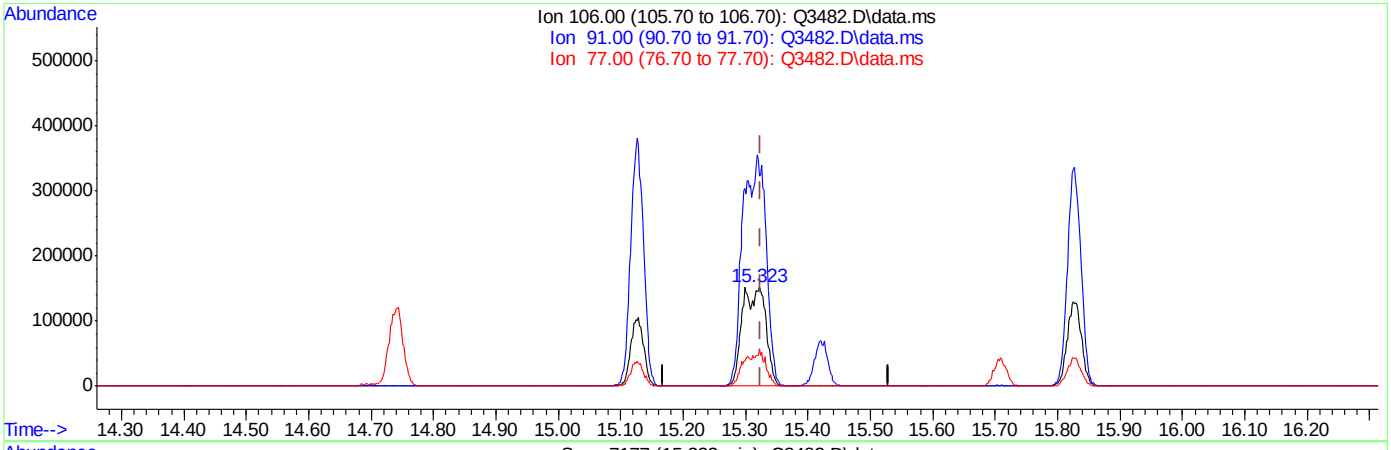
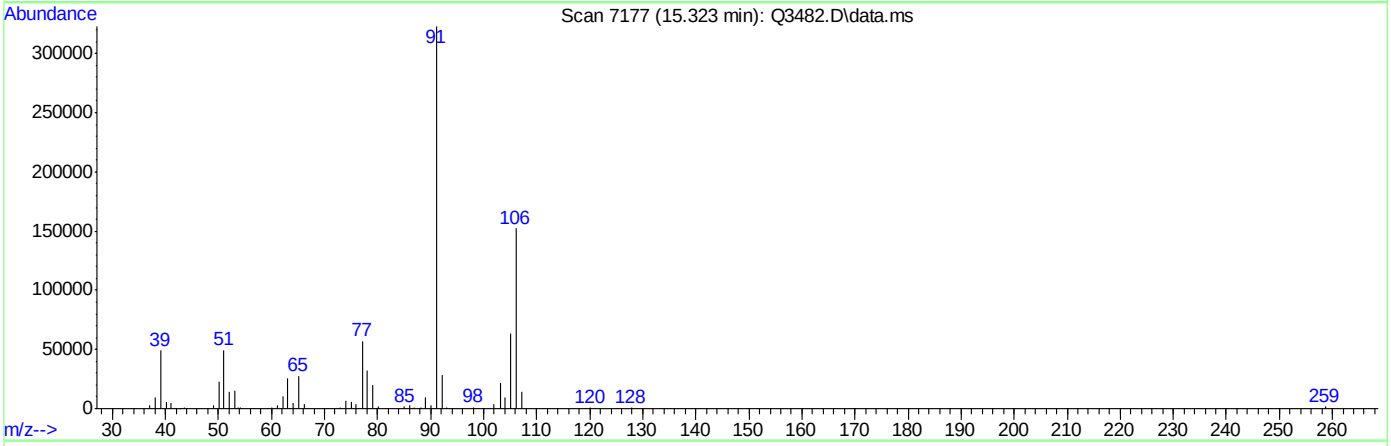




TIC: Q3482.D\data.ms

(56) m,p-XYLENE (m)

15.323min (-0.001) 19.08PPBV m

response 401669

Ion	Exp%	Act%
106.00	100	100
91.00	204.20	211.93
77.00	30.60	37.30#
0.00	0.00	0.00

ACCUTEST Laboratories M65503

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
05/23/07 16:07

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3491.D
Acq On : 22 May 2007 6:00 pm
Operator : PhilipB
Sample : CC189-10 (M068)
Misc : MS13602,MSQ190,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 23 09:41:19 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:36:34 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.431	128	94194	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.351	114	448405	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.698	117	370957	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.334	95	146539	5.14	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 102.80%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	3.607	85	547075	6.84	PPBV	81
3) PROPYLENE	3.533	41	88898m	7.15	PPBV	
4) FREON 114	3.870	85	549839	7.62	PPBV #	100
5) CHLOROMETHANE	3.772	50	124770	7.07	PPBV	91
6) VINYL CHLORIDE	3.994	62	137624	7.80	PPBV	74
7) 1,3-BUTADIENE	4.132	39	155426	7.95	PPBV #	100
8) BROMOMETHANE	4.411	94	169491	7.80	PPBV #	100
9) CHLOROETHANE	4.583	64	67024	7.36	PPBV #	100
10) TRICHLOROFLUOROMETHANE	5.403	101	1027760	8.67	PPBV #	100
11) ISOPROPYL ALCOHOL	5.456	45	314817	9.26	PPBV	88
12) ACETONE	5.199	43	362116	9.06	PPBV	80
13) PENTANE	5.778	42	194877	9.80	PPBV #	100
14) 1,1-DICHLOROETHYLENE	6.081	96	232777	9.33	PPBV #	19
15) CARBON DISULFIDE	6.532	76	582040	9.08	PPBV #	51
16) ETHANOL	4.684	45	44429m	8.47	PPBV	
17) BROMOETHENE	4.954	106	190413	8.31	PPBV #	100
18) METHYLENE CHLORIDE	6.202	84	221262	9.56	PPBV #	1
19) 3-CHLOROPROPENE	6.330	39	277543	8.26	PPBV #	1
20) FREON 113	6.480	151	688722	8.67	PPBV #	100
21) TRANS-1,2-DICHLOROETHY...	7.190	96	217665	8.73	PPBV #	100
22) TERTIARY BUTYL ALCOHOL	6.097	59	418009	8.89	PPBV #	100
23) METHYL TERTIARY BUTYL ...	7.457	73	494550	8.90	PPBV #	100
24) TETRAHYDROFURAN	8.965	42	129842	9.05	PPBV #	100
25) HEXANE	8.468	57	163375	8.90	PPBV #	100
26) VINYL ACETATE	7.544	43	505581	8.80	PPBV	84
27) 1,1-DICHLOROETHANE	7.403	63	404745	8.96	PPBV #	100
28) METHYL ETHYL KETONE	7.799	43	290318	9.04	PPBV	92
29) cis-1,2-DICHLOROETHYLENE	8.259	96	116604	8.64	PPBV #	100
30) ETHYL ACETATE	8.468	43	490869	9.15	PPBV	100
31) CHLOROFORM	8.559	83	387034	8.83	PPBV #	100
32) 1,1,1-TRICHLOROETHANE	9.558	97	427434	8.31	PPBV	95
33) CARBON TETRACHLORIDE	10.167	117	534229	9.04	PPBV	96
34) 1,2-DICHLOROETHANE	9.304	62	261409	8.75	PPBV	99
36) BENZENE	10.018	78	327136	8.12	PPBV	99
37) CYCLOHEXANE	10.294	84	118986	8.31	PPBV #	79
38) TRICHLOROETHYLENE	11.052	95	225258	9.28	PPBV	89
39) 1,2-DICHLOROPROPANE	10.823	63	125308	9.36	PPBV #	78
40) BROMODICHLOROMETHANE	11.013	83	397182	8.65	PPBV	97
41) 2,2,4-TRIMETHYLPENTANE	11.079	57	588170	9.28	PPBV #	93
42) 1,4-DIOXANE	11.045	88	64567	9.43	PPBV #	60
43) HEPTANE	11.329	43	217327	8.89	PPBV	92

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3491.D
Acq On : 22 May 2007 6:00 pm
Operator : PhilipB
Sample : CC189-10 (M068)
Misc : MS13602,MSQ190,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 23 09:41:19 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:36:34 2007
Response via : Initial Calibration

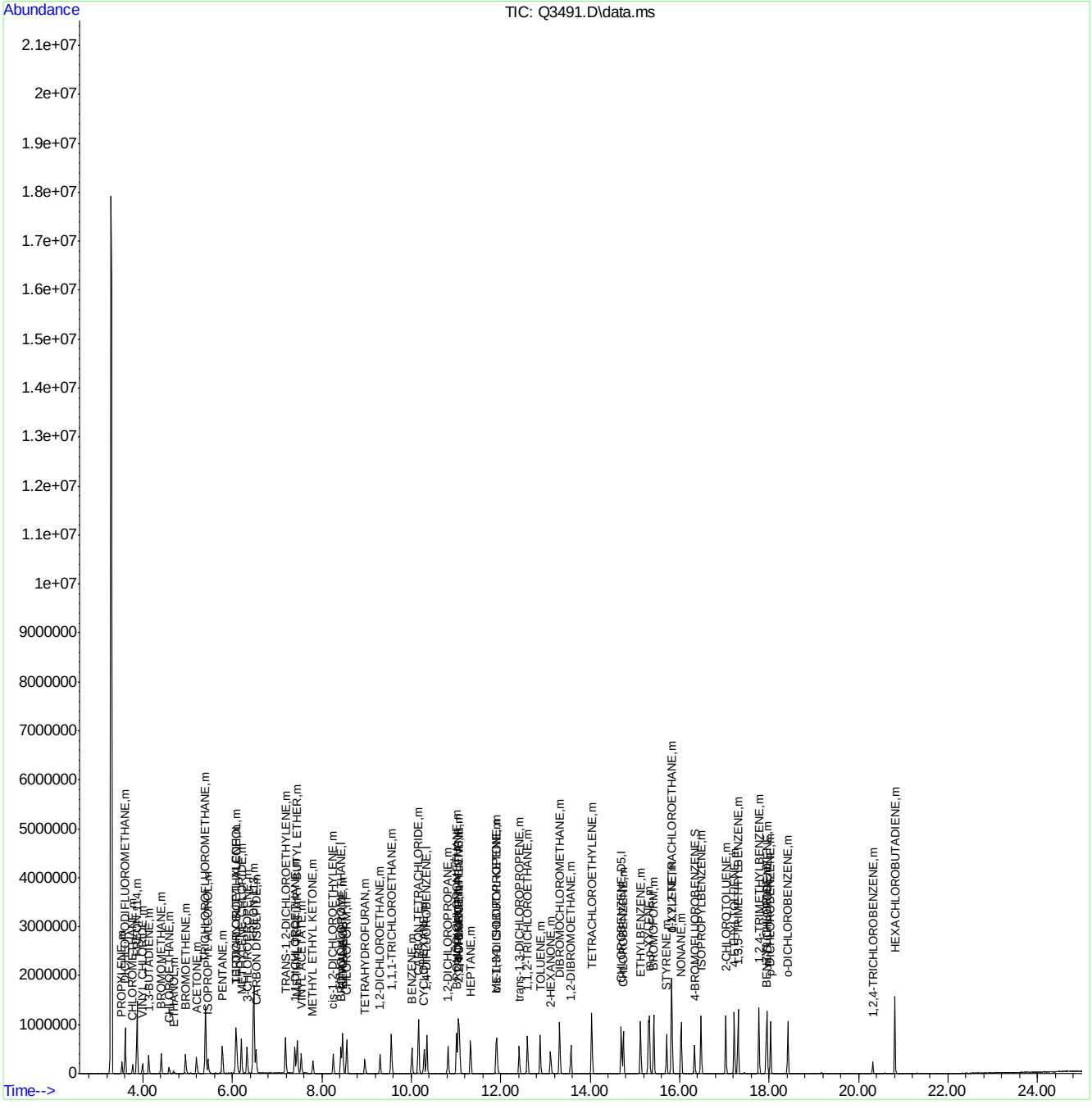
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.917	43	349507	9.39	PPBV	93
45) cis-1,3-DICHLOROPROPENE	11.901	75	198824	8.74	PPBV	87
46) TOLUENE	12.884	92	249980	10.55	PPBV	96
47) trans-1,3-DICHLOROPROPENE	12.417	75	192685	8.68	PPBV #	98
48) 1,1,2-TRICHLOROETHANE	12.602	83	153724	9.37	PPBV	91
50) 2-HEXANONE	13.113	43	285763	8.73	PPBV	93
51) TETRACHLOROETHYLENE	14.034	164	172169	8.78	PPBV	94
52) DIBROMOCHLOROMETHANE	13.320	129	424539	9.57	PPBV	99
53) 1,2-DIBROMOETHANE	13.572	107	279300	8.43	PPBV	96
54) CHLOROBENZENE	14.742	112	339333	8.53	PPBV	97
55) ETHYLBENZENE	15.125	91	606977	9.54	PPBV	96
56) m,p-XYLENE	15.328	106	456957m	17.89	PPBV	
57) o-XYLENE	15.828	106	231318	8.77	PPBV	90
58) STYRENE	15.708	104	288308	9.20	PPBV	95
59) NONANE	16.036	43	362414	9.26	PPBV	93
60) BROMOFORM	15.422	173	435489	10.17	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.818	83	419457	9.36	PPBV	98
63) ISOPROPYLBENZENE	16.478	105	646329	9.43	PPBV	96
64) 2-CHLOROTOLUENE	17.031	91	487461	9.29	PPBV	92
65) 4-ETHYLTOLUENE	17.223	105	607400	8.59	PPBV	94
66) 1,3,5-TRIMETHYLBENZENE	17.308	105	570805	8.42	PPBV	93
67) 1,2,4-TRIMETHYLBENZENE	17.775	105	539991	8.65	PPBV	94
68) m-DICHLOROBENZENE	17.956	146	342504	8.92	PPBV	98
69) BENZYL CHLORIDE	17.937	91	338640	7.31	PPBV	94
70) p-DICHLOROBENZENE	18.032	146	280148	8.31	PPBV	96
71) o-DICHLOROBENZENE	18.421	146	266416	7.51	PPBV	95
72) HEXACHLOROBUTADIENE	20.812	225	157790	7.93	PPBV	98
73) 1,2,4-TRICHLOROBENZENE	20.324	180	42469	7.53	PPBV	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3491.D
Acq On : 22 May 2007 6:00 pm
Operator : PhilipB
Sample : CC189-10 (M068)
Misc : MS13602,MSQ190,,,,,1
ALS Vial : 1 Sample Multiplier: 1

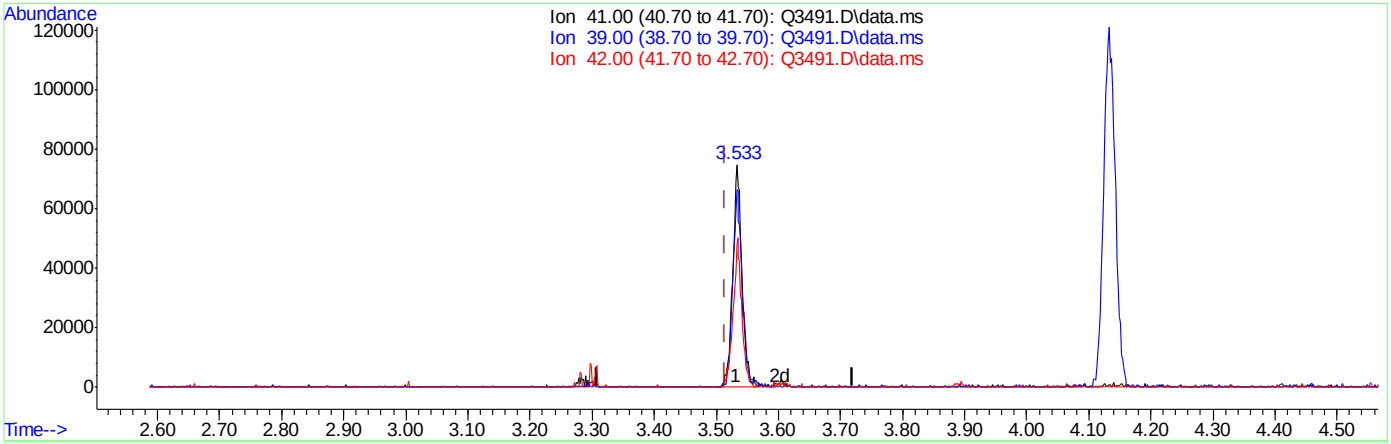
Quant Time: May 23 09:41:19 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:36:34 2007
Response via : Initial Calibration

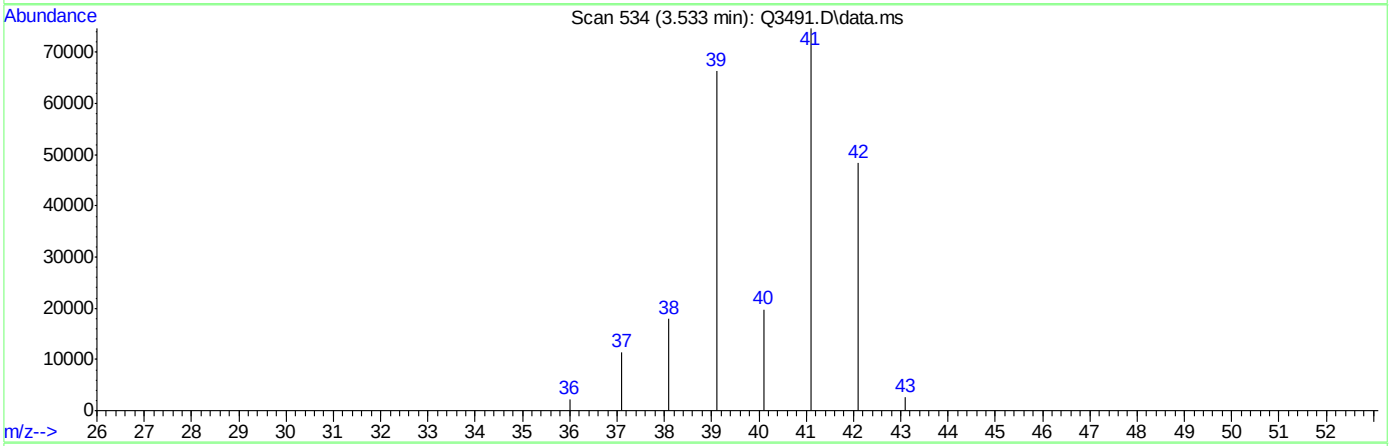


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3491.D
Acq On : 22 May 2007 6:00 pm
Operator : PhilipB
Sample : CC189-10 (M068)
Misc : MS13602,MSQ190,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 23 09:40:15 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:36:34 2007
Response via : Initial Calibration





TIC: Q3491.D\data.ms

(3) PROPYLENE (m)

3.533min (+0.019) 6.61PPBV

response 82238

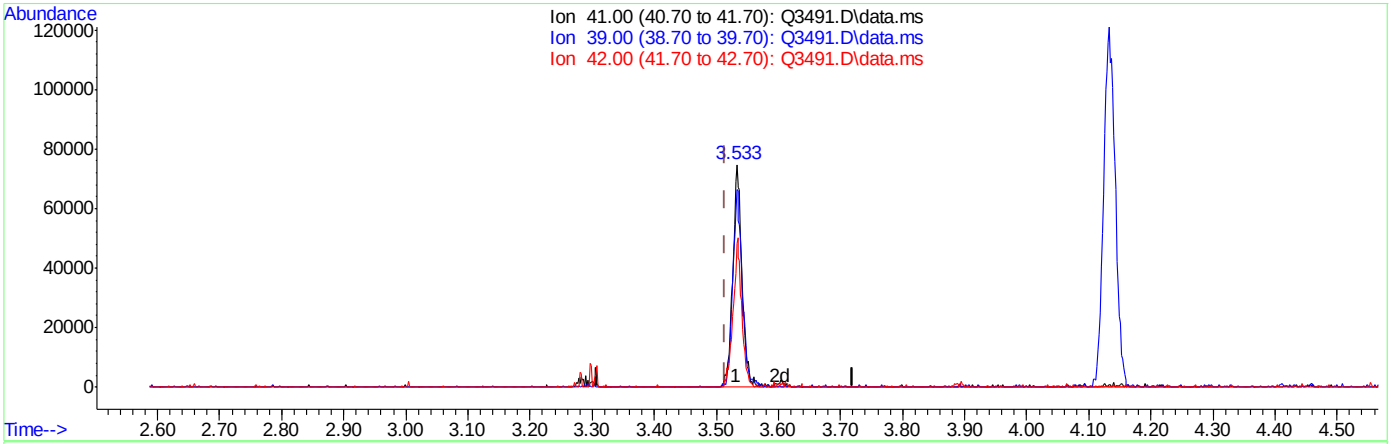
Ion	Exp%	Act%
41.00	100	100
39.00	90.30	88.85
42.00	56.70	64.73
0.00	0.00	0.00

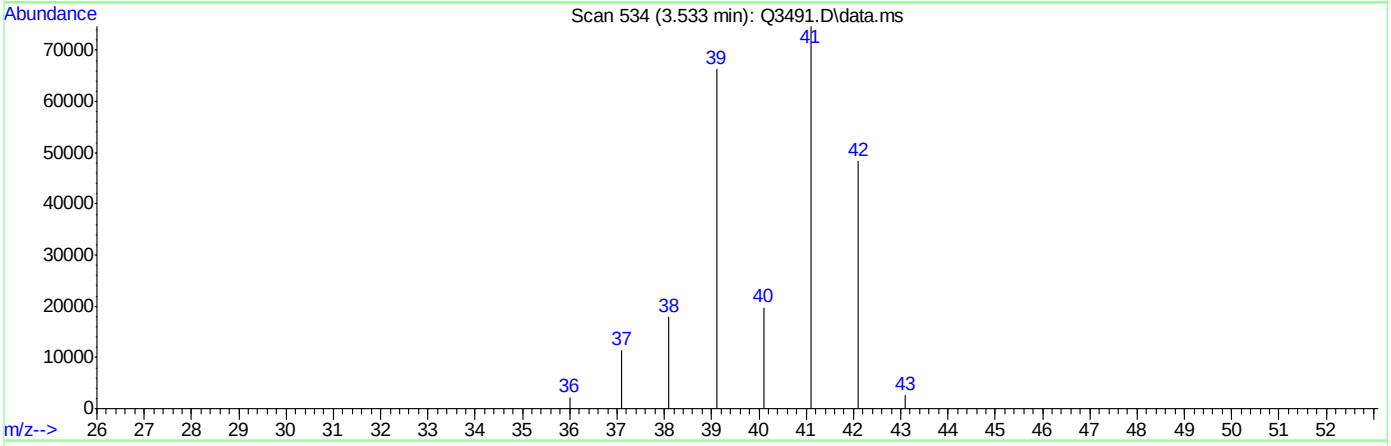
ACCUTEST Laboratories M65503

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3491.D
Acq On    : 22 May 2007   6:00 pm
Operator  : PhilipB
Sample    : CC189-10 (M068)
Misc      : MS13602,MSQ190,,,,,1
ALS Vial  : 1   Sample Multiplier: 1

Quant Time: May 23 09:40:15 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:36:34 2007
Response via : Initial Calibration
```



TIC: Q3491.D\data.ms

(3) PROPYLENE (m)

3.533min (+0.019) 7.15PPBV m

response 88898

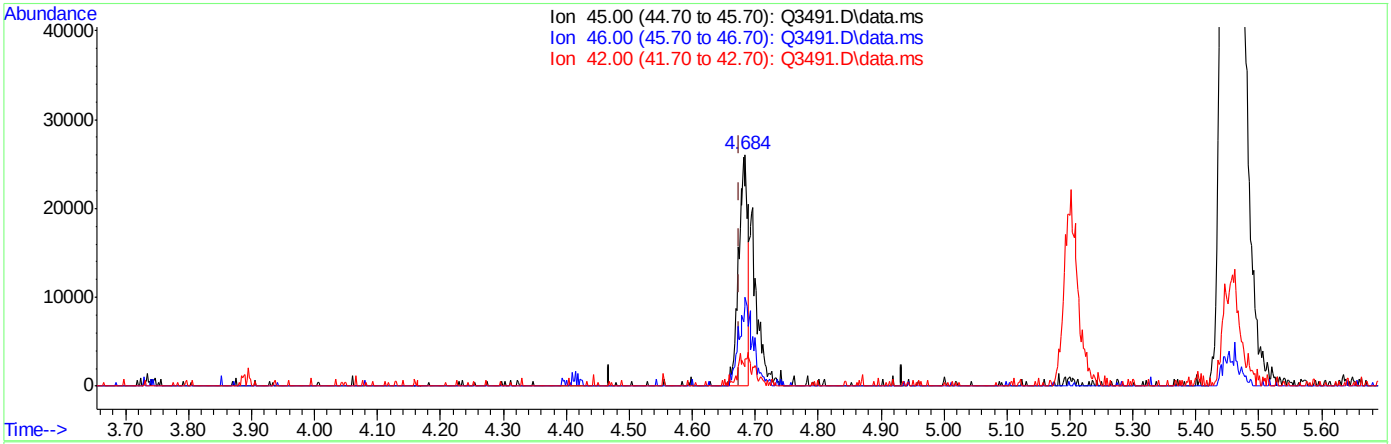
Ion	Exp%	Act%
41.00	100	100
39.00	90.30	88.85
42.00	56.70	64.73
0.00	0.00	0.00

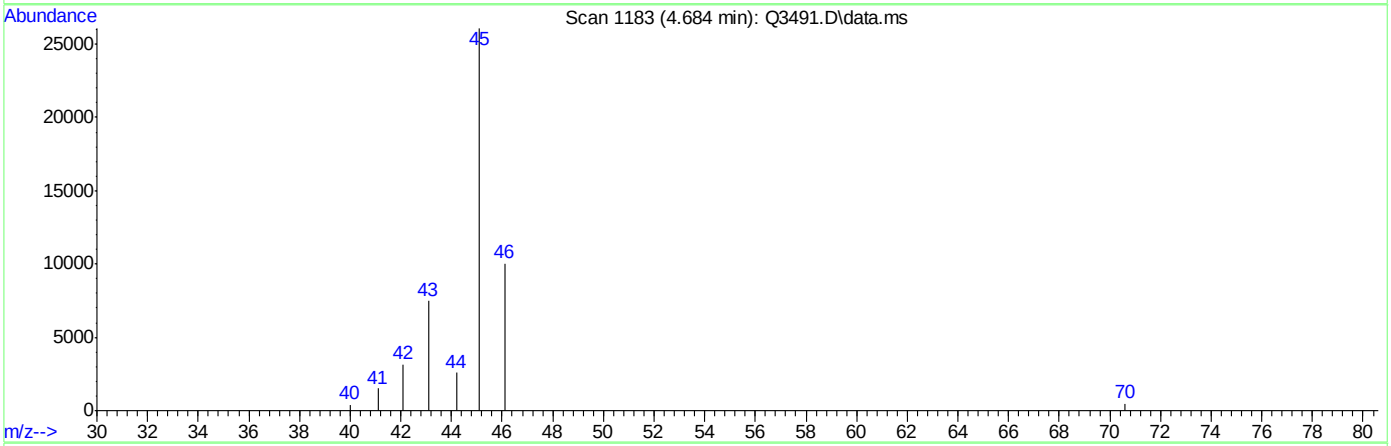
ACCUTEST Laboratories M65503

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3491.D
Acq On : 22 May 2007 6:00 pm
Operator : PhilipB
Sample : CC189-10 (M068)
Misc : MS13602,MSQ190,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 23 09:40:47 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:36:34 2007
Response via : Initial Calibration





TIC: Q3491.D\data.ms

(16) ETHANOL (m)

4.684min (+0.009) 5.10PPBV

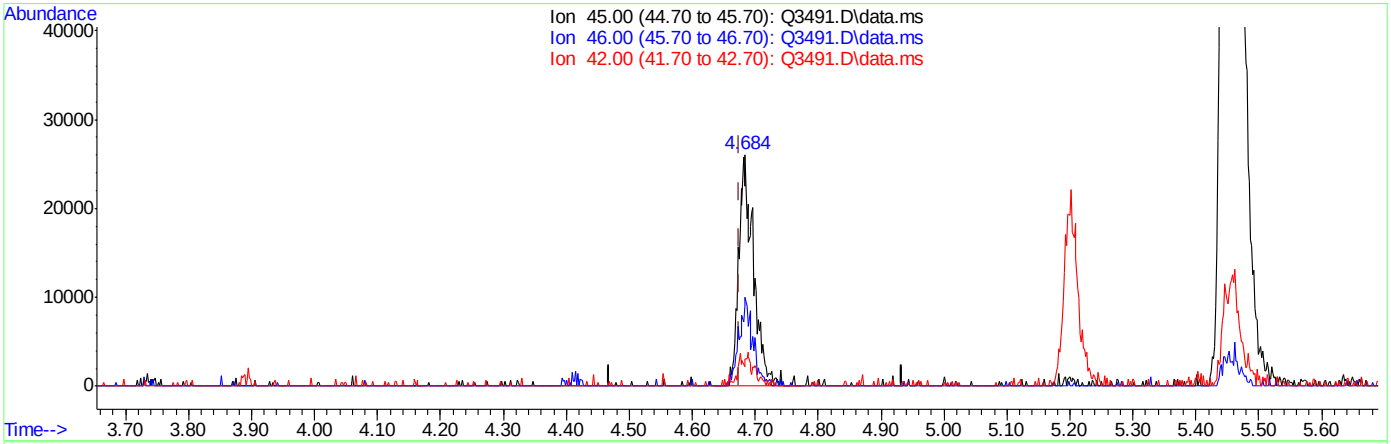
response 26759

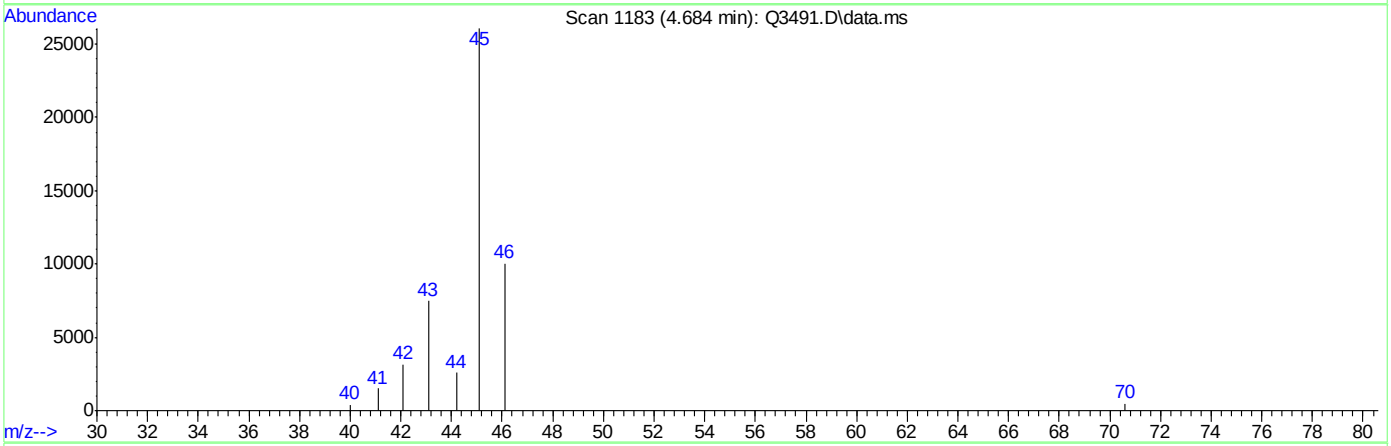
Ion	Exp%	Act%
45.00	100	100
46.00	0.00	57.80#
42.00	0.00	6.66
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3491.D
Acq On : 22 May 2007 6:00 pm
Operator : PhilipB
Sample : CC189-10 (M068)
Misc : MS13602,MSQ190,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 23 09:40:47 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:36:34 2007
Response via : Initial Calibration





TIC: Q3491.D\data.ms

(16) ETHANOL (m)

4.684min (+0.009) 8.47PPBV m

response 44429

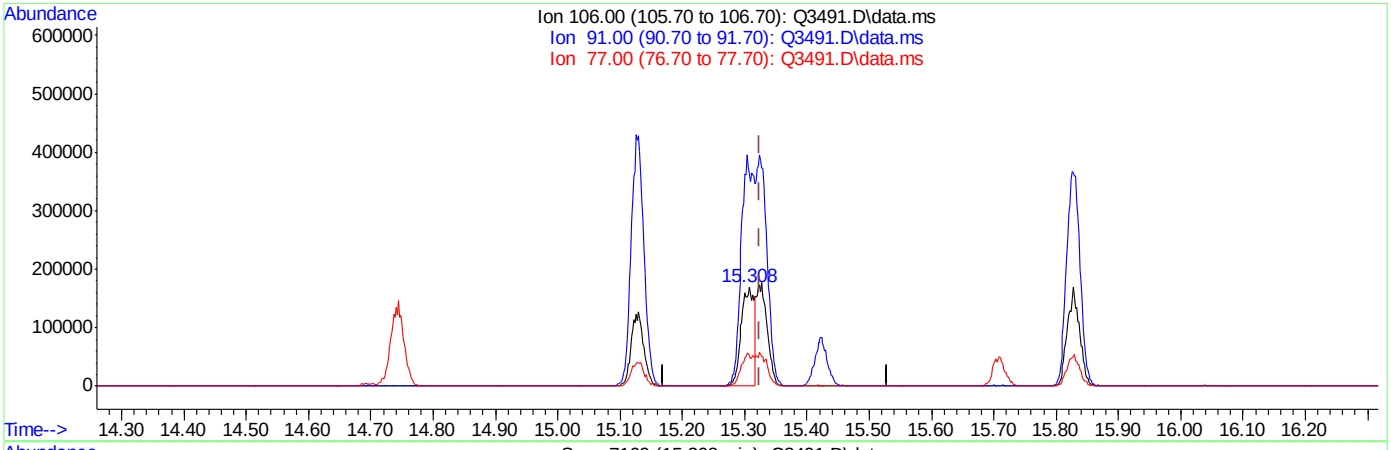
Ion	Exp%	Act%
45.00	100	100
46.00	0.00	34.81#
42.00	0.00	4.01
0.00	0.00	0.00

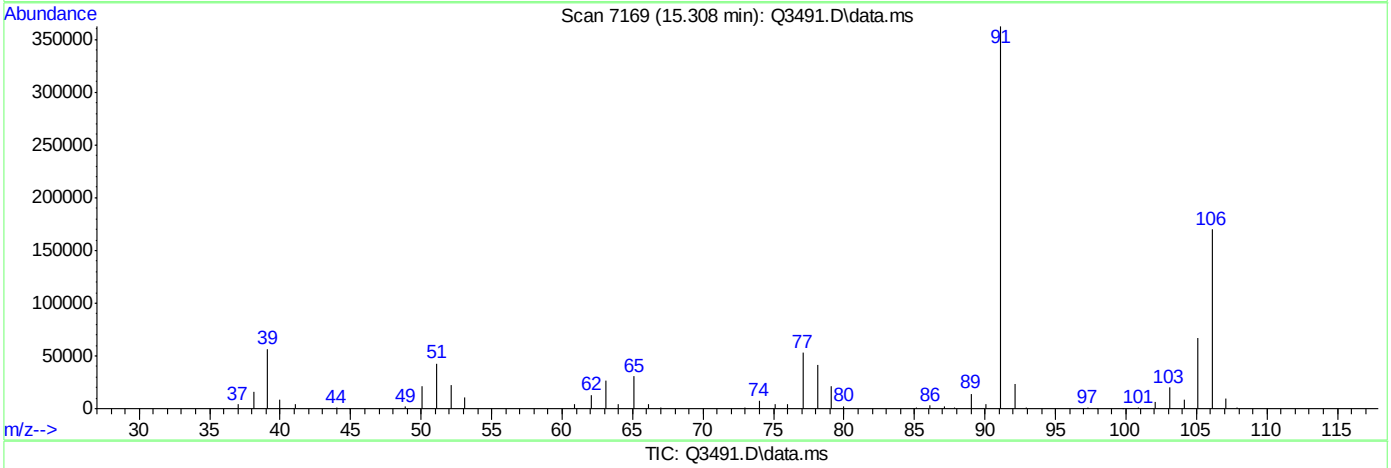
ACCUTEST Laboratories M65503

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3491.D
Acq On : 22 May 2007 6:00 pm
Operator : PhilipB
Sample : CC189-10 (M068)
Misc : MS13602,MSQ190,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 23 09:40:47 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:36:34 2007
Response via : Initial Calibration





TIC: Q3491.D\data.ms

(56) m,p-XYLENE (m)

15.308min (-0.016) 9.76PPBV

response 249289

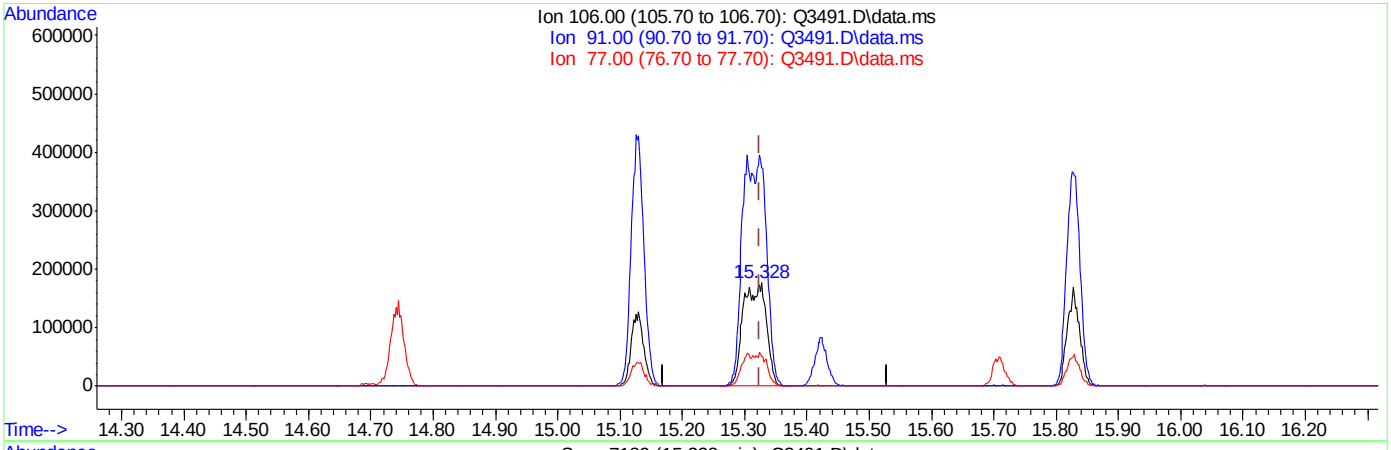
Ion	Exp%	Act%
106.00	100	100
91.00	204.20	213.74
77.00	30.60	31.28
0.00	0.00	0.00

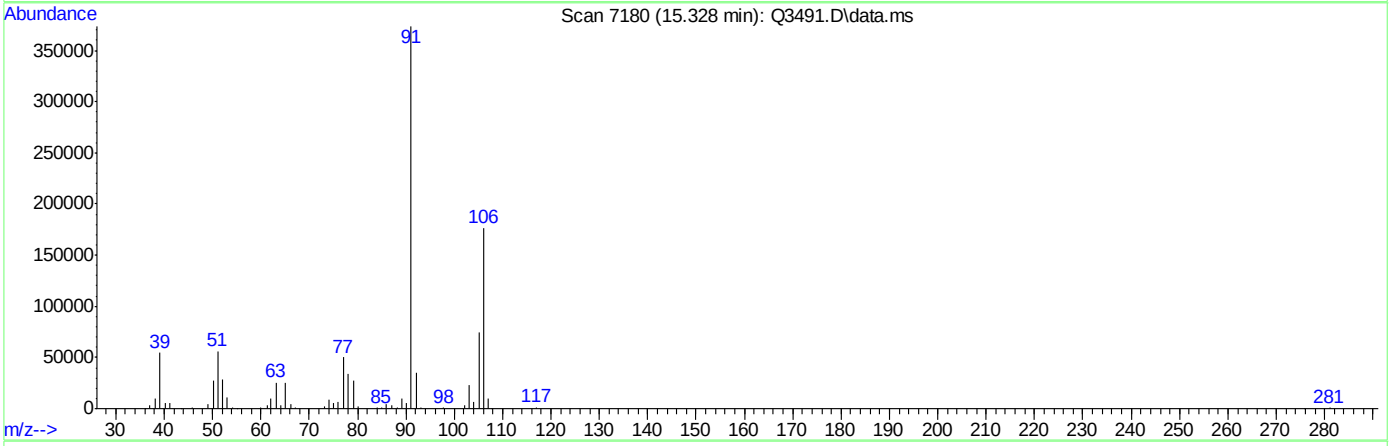
ACCUTEST Laboratories M65503

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3491.D
Acq On : 22 May 2007 6:00 pm
Operator : PhilipB
Sample : CC189-10 (M068)
Misc : MS13602,MSQ190,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 23 09:40:47 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:36:34 2007
Response via : Initial Calibration





TIC: Q3491.D\data.ms

(56) m,p-XYLENE (m)

15.328min (+0.004) 17.89PPBV m

response 456957

Ion	Exp%	Act%
106.00	100	100
91.00	204.20	211.72
77.00	30.60	28.52
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
05/31/07 11:31

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3559.D
Acq On : 30 May 2007 11:43 am
Operator : PhilipB
Sample : IC193-5 (M017)
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 30 16:45:54 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 11:28:58 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.431	128	65421	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.348	114	316555	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.696	117	271144	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.332	95	152968	5.29	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 105.80%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	3.609	85	214621	6.35	PPBV	83
3) PROPYLENE	3.538	41	40973	6.51	PPBV	95
4) FREON 114	3.875	85	160349	5.86	PPBV #	100
5) CHLOROMETHANE	3.776	50	52417	6.32	PPBV	98
6) VINYL CHLORIDE	3.999	62	45417	5.94	PPBV	74
7) 1,3-BUTADIENE	4.138	39	57891	6.43	PPBV #	100
8) BROMOMETHANE	4.418	94	41211	5.75	PPBV #	100
9) CHLOROETHANE	4.592	64	19431	6.05	PPBV #	100
10) TRICHLOROFLUOROMETHANE	5.409	101	209414	6.47	PPBV #	100
11) ISOPROPYL ALCOHOL	5.460	45	104283	10.59	PPBV	91
12) ACETONE	5.208	43	122388	6.69	PPBV	84
13) PENTANE	5.787	42	53087	6.51	PPBV #	100
14) 1,1-DICHLOROETHYLENE	6.081	96	37939	6.08	PPBV #	1
15) CARBON DISULFIDE	6.541	76	99750	5.88	PPBV #	41
16) ETHANOL	4.695	45	16812	6.92	PPBV #	100
17) BROMOETHENE	4.961	106	39273	5.88	PPBV #	100
18) METHYLENE CHLORIDE	6.207	84	37593	6.42	PPBV #	1
19) 3-CHLOROPROPENE	6.333	39	67434	6.60	PPBV #	1
20) FREON 113	6.484	151	70304	5.96	PPBV #	100
21) TRANS-1,2-DICHLOROETHY...	7.196	96	38999	6.19	PPBV #	100
22) TERTIARY BUTYL ALCOHOL	6.110	59	120582	13.66	PPBV #	100
23) METHYL TERTIARY BUTYL ...	7.460	73	126778	6.13	PPBV #	100
24) TETRAHYDROFURAN	8.969	42	56005	6.31	PPBV #	100
25) HEXANE	8.466	57	57246	6.59	PPBV #	100
26) VINYL ACETATE	7.549	43	149277	6.92	PPBV	89
27) 1,1-DICHLOROETHANE	7.405	63	98811	6.45	PPBV #	100
28) METHYL ETHYL KETONE	7.808	43	123328	6.46	PPBV	88
29) cis-1,2-DICHLOROETHYLENE	8.259	96	31320	6.04	PPBV #	100
30) ETHYL ACETATE	8.474	43	192928	6.63	PPBV	100
31) CHLOROFORM	8.562	83	118324	6.42	PPBV #	100
32) 1,1,1-TRICHLOROETHANE	9.556	97	136442	6.18	PPBV	88
33) CARBON TETRACHLORIDE	10.170	117	147789	6.01	PPBV	97
34) 1,2-DICHLOROETHANE	9.304	62	116687	6.51	PPBV	98
36) BENZENE	10.019	78	86074	6.13	PPBV	84
37) CYCLOHEXANE	10.287	84	33237	6.27	PPBV #	49
38) TRICHLOROETHYLENE	11.056	95	56240	6.21	PPBV #	77
39) 1,2-DICHLOROPROPANE	10.822	63	40580	6.26	PPBV	85
40) BROMODICHLOROMETHANE	11.017	83	122686	6.14	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.077	57	188514	6.20	PPBV	96
42) 1,4-DIOXANE	11.051	88	15664	6.60	PPBV #	1
43) HEPTANE	11.327	43	92420	6.47	PPBV #	74

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3559.D
Acq On : 30 May 2007 11:43 am
Operator : PhilipB
Sample : IC193-5 (M017)
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 30 16:45:54 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 11:28:58 2007
Response via : Initial Calibration

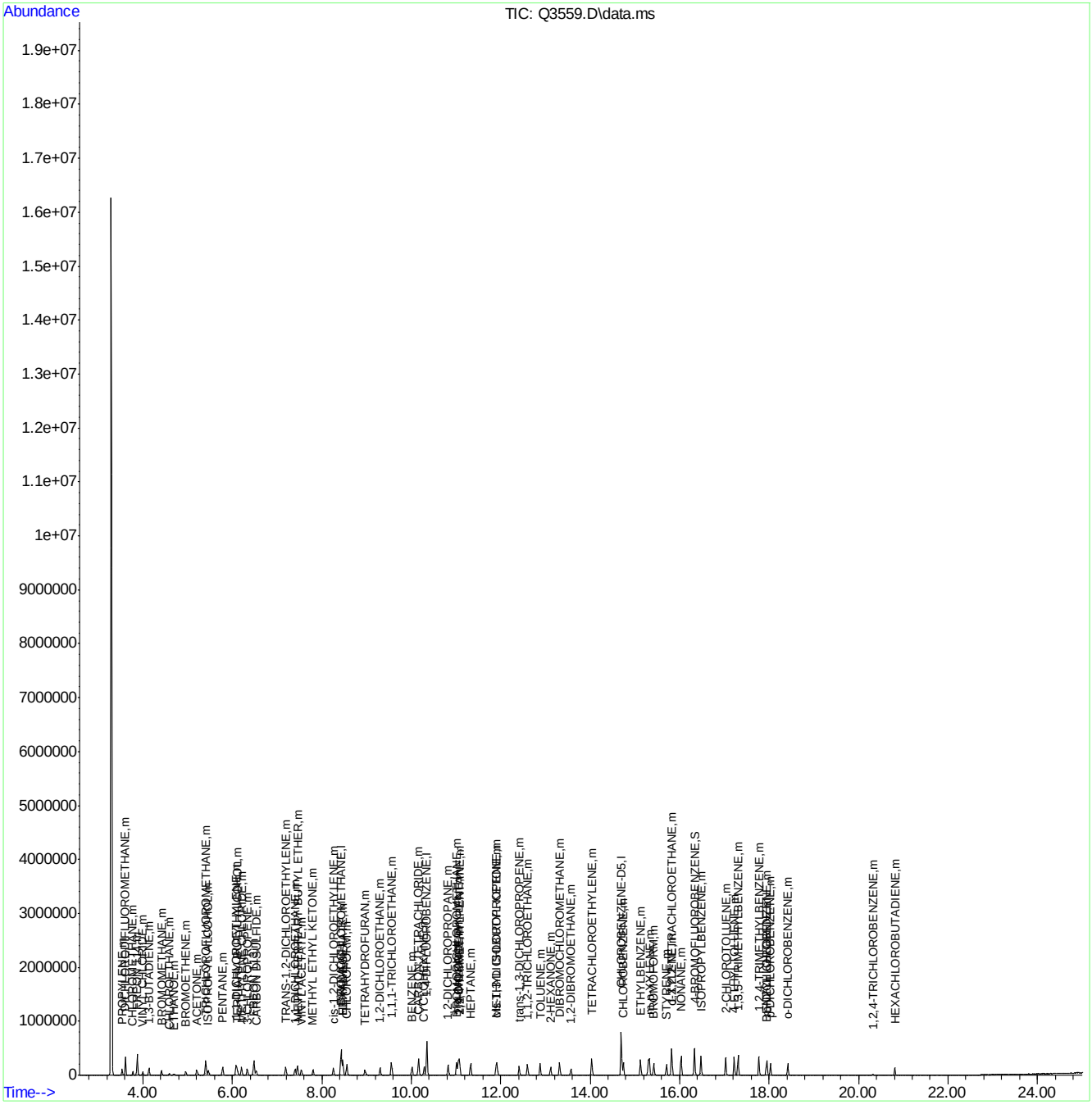
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.920	43	134775	8.10	PPBV	87
45) cis-1,3-DICHLOROPROPENE	11.902	75	62031	6.07	PPBV #	61
46) TOLUENE	12.882	92	62857	5.82	PPBV	97
47) trans-1,3-DICHLOROPROPENE	12.415	75	63419	5.80	PPBV #	99
48) 1,1,2-TRICHLOROETHANE	12.596	83	36686	5.92	PPBV	95
50) 2-HEXANONE	13.118	43	112664	11.22	PPBV	86
51) TETRACHLOROETHYLENE	14.037	164	38987	5.53	PPBV #	81
52) DIBROMOCHLOROMETHANE	13.320	129	98486	5.82	PPBV	99
53) 1,2-DIBROMOETHANE	13.567	107	69888	6.10	PPBV	99
54) CHLOROBENZENE	14.744	112	81185	6.11	PPBV	83
55) ETHYLBENZENE	15.129	91	164879	6.18	PPBV	93
56) m,p-XYLENE	15.321	106	109447m	11.65	PPBV	
57) o-XYLENE	15.832	106	57356	5.62	PPBV #	76
58) STYRENE	15.709	104	68116	5.82	PPBV	89
59) NONANE	16.034	43	142701	6.65	PPBV	83
60) BROMOFORM	15.424	173	73369	5.31	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.814	83	85787	9.23	PPBV	97
63) ISOPROPYLBENZENE	16.480	105	187259	5.72	PPBV	92
64) 2-CHLOROTOLUENE	17.032	91	146716	6.31	PPBV	85
65) 4-ETHYLTOLUENE	17.223	105	167794	6.29	PPBV	93
66) 1,3,5-TRIMETHYLBENZENE	17.308	105	161474	7.25	PPBV	91
67) 1,2,4-TRIMETHYLBENZENE	17.772	105	145275	8.44	PPBV	92
68) m-DICHLOROBENZENE	17.954	146	62522	8.77	PPBV	91
69) BENZYL CHLORIDE	17.933	91	74411m	9.89	PPBV	
70) p-DICHLOROBENZENE	18.029	146	58754	9.28	PPBV	94
71) o-DICHLOROBENZENE	18.416	146	55286	10.07	PPBV	90
72) HEXACHLOROBUTADIENE	20.810	225	13029	9.26	PPBV	95
73) 1,2,4-TRICHLOROBENZENE	20.324	180	4357	7.54	PPBV	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3559.D
Acq On : 30 May 2007 11:43 am
Operator : PhilipB
Sample : IC193-5 (M017)
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 1 Sample Multiplier: 1

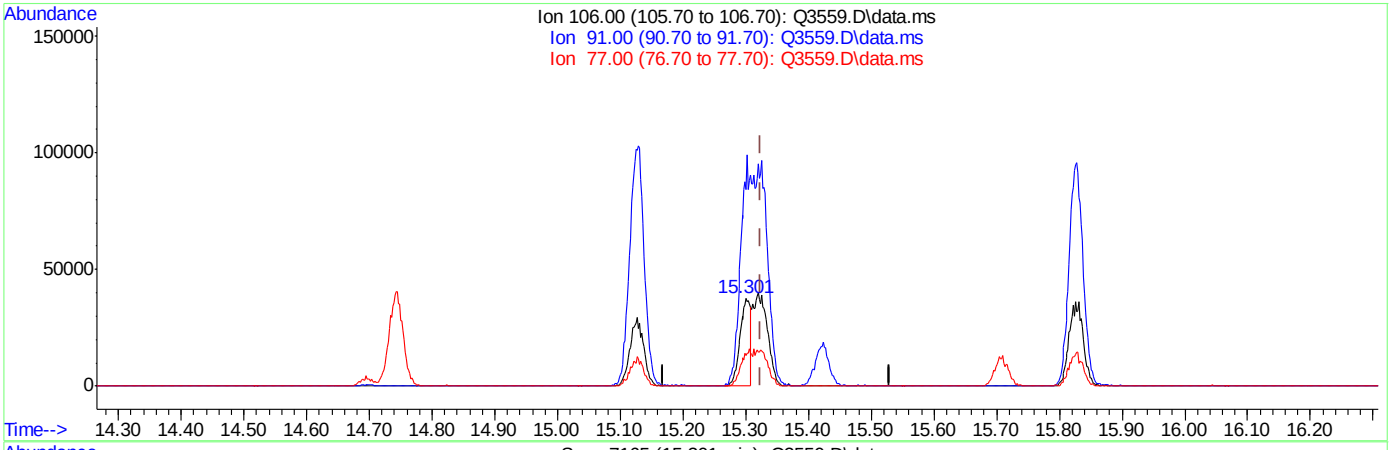
Quant Time: May 30 16:45:54 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 11:28:58 2007
Response via : Initial Calibration

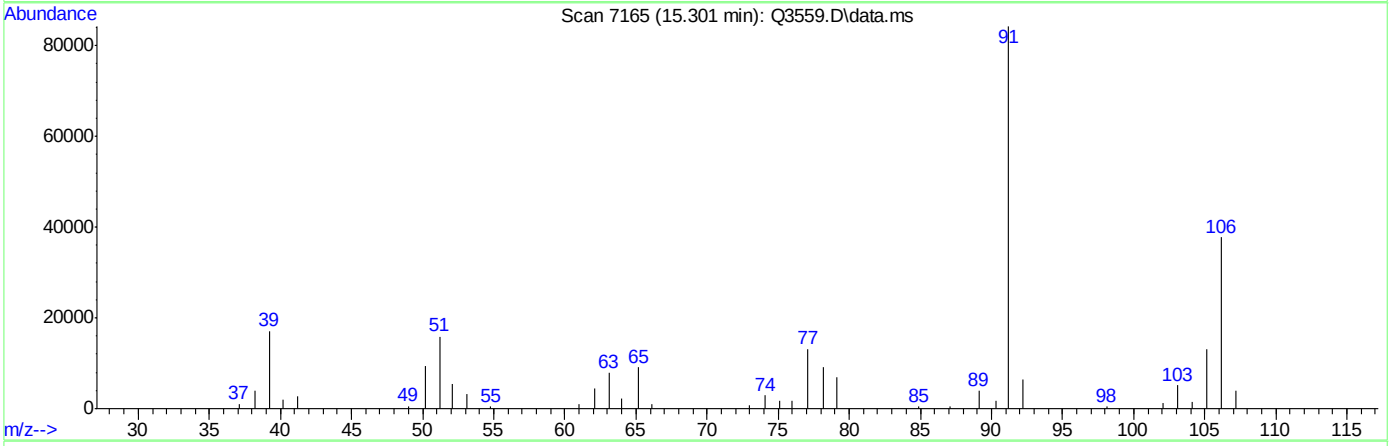


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3559.D
Acq On : 30 May 2007 11:43 am
Operator : PhilipB
Sample : IC193-5 (M017)
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 30 12:30:41 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 11:28:58 2007
Response via : Initial Calibration





TIC: Q3559.D\data.ms

(56) m,p-XYLENE (m)

15.301min (-0.023) 4.72PPBV

response 44331

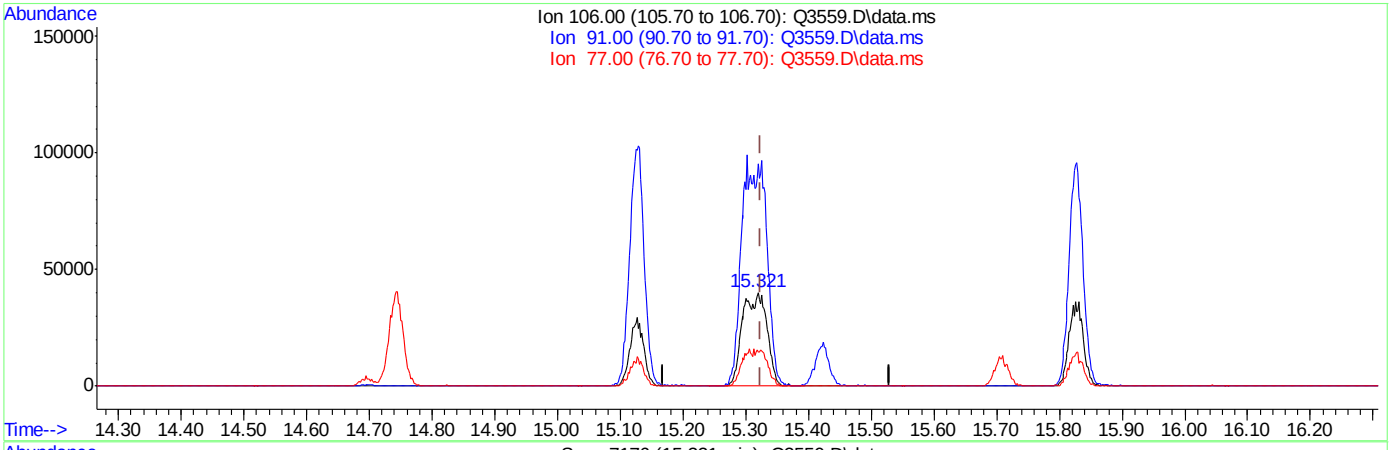
Ion	Exp%	Act%
106.00	100	100
91.00	204.20	223.05
77.00	30.60	34.83
0.00	0.00	0.00

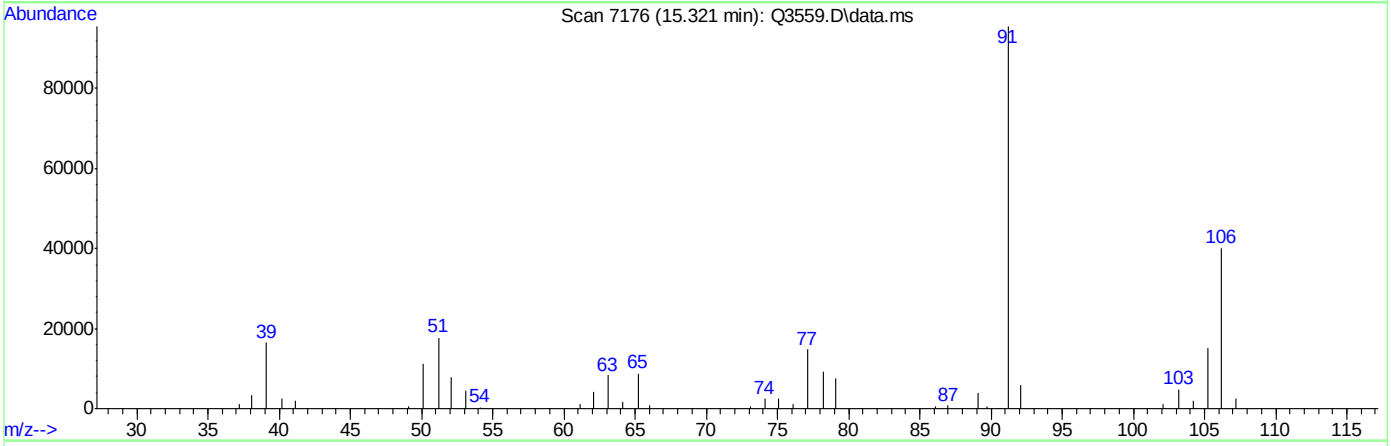
ACCUTEST Laboratories M65503

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3559.D
Acq On : 30 May 2007 11:43 am
Operator : PhilipB
Sample : IC193-5 (M017)
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 30 12:30:41 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 11:28:58 2007
Response via : Initial Calibration





TIC: Q3559.D\data.ms

(56) m,p-XYLENE (m)

15.321min (-0.003) 11.65PPBV m

response 109447

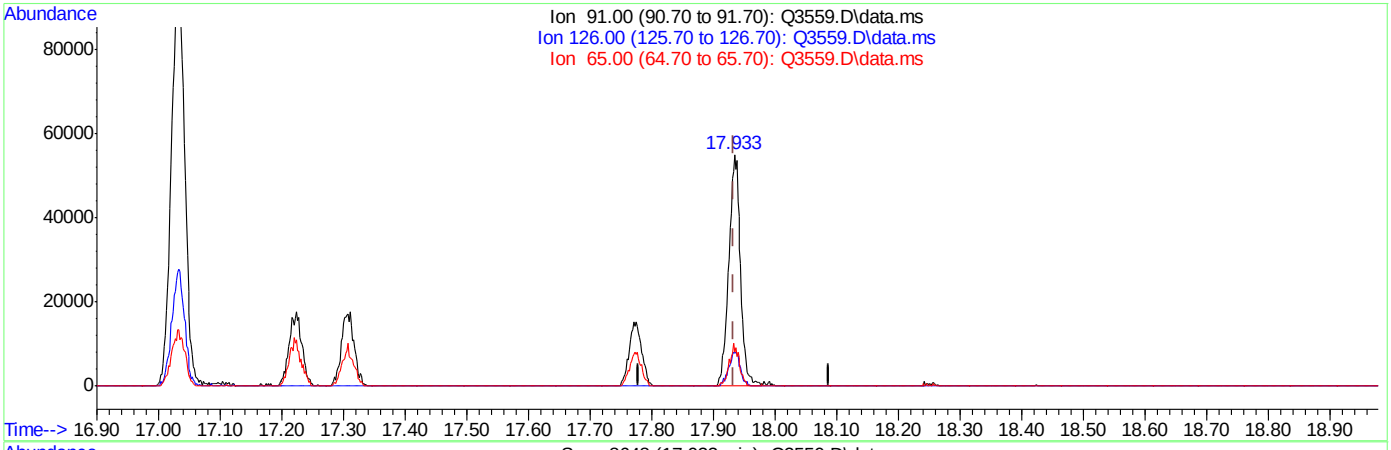
Ion	Exp%	Act%
106.00	100	100
91.00	204.20	237.99
77.00	30.60	36.72
0.00	0.00	0.00

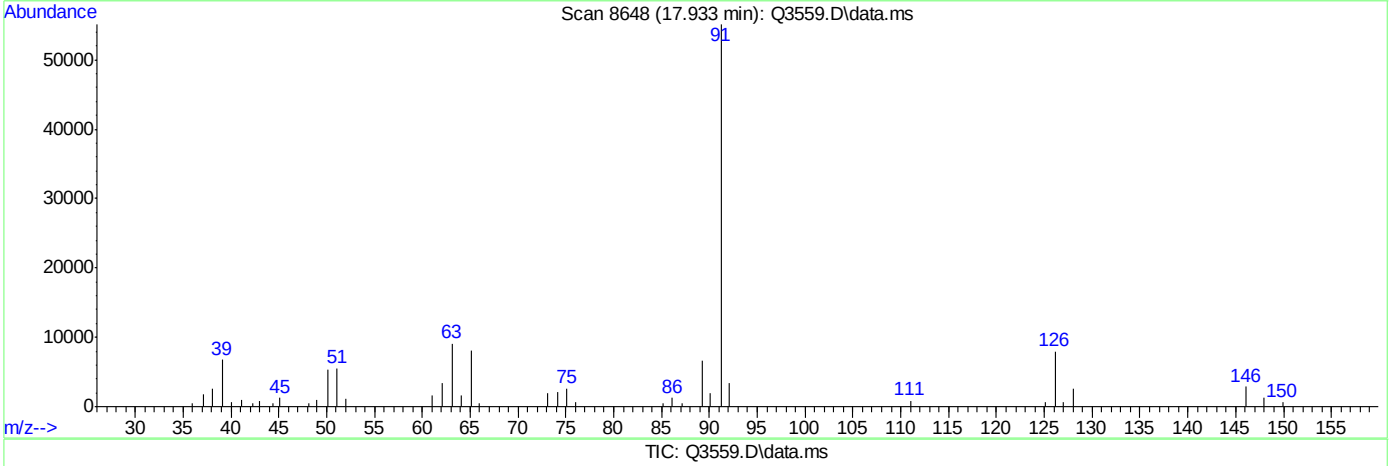
ACCUTEST Laboratories M65503

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3559.D
Acq On : 30 May 2007 11:43 am
Operator : PhilipB
Sample : IC193-5 (M017)
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 30 12:31:09 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 11:28:58 2007
Response via : Initial Calibration





(69) BENZYL CHLORIDE (m)

17.933min (+0.000) 9.80PPBV

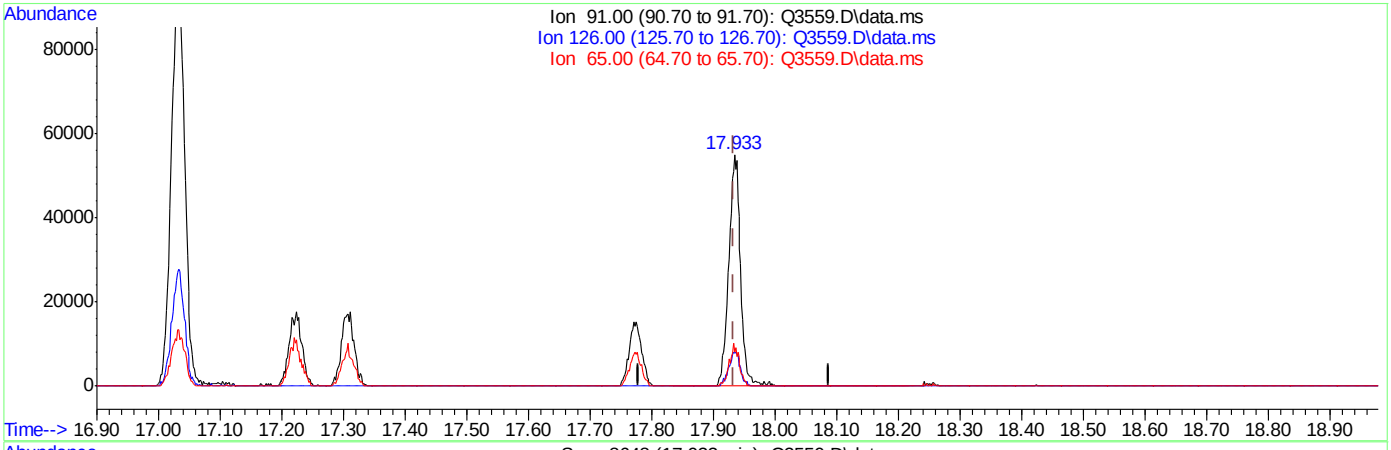
response 73746

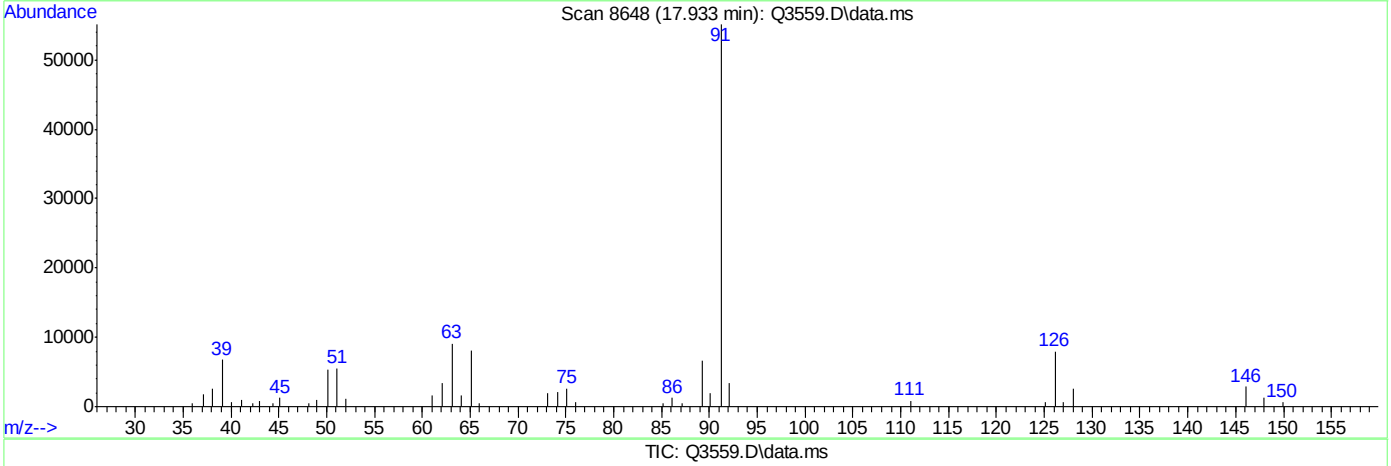
Ion	Exp%	Act%
91.00	100	100
126.00	20.90	14.63
65.00	12.30	15.78
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3559.D
Acq On : 30 May 2007 11:43 am
Operator : PhilipB
Sample : IC193-5 (M017)
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 30 12:31:09 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 11:28:58 2007
Response via : Initial Calibration





(69) BENZYL CHLORIDE (m)

17.933min (+0.000) 9.89PPBV m

response 74411

Ion	Exp%	Act%
91.00	100	100
126.00	20.90	14.50
65.00	12.30	15.64
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
05/31/07 11:31

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3560.D
Acq On : 30 May 2007 12:25 pm
Operator : PhilipB
Sample : IC193-2 (M017)
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 30 16:47:16 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 12:31:21 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.431	128	48343	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.350	114	241471	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.696	117	201471	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.334	95	111622	5.12	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 102.40%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	3.609	85	86307	3.24	PPBV	82
3) PROPYLENE	3.540	41	17489	3.50	PPBV	94
4) FREON 114	3.873	85	64039	3.04	PPBV #	100
5) CHLOROMETHANE	3.774	50	21317	3.26	PPBV	99
6) VINYL CHLORIDE	4.001	62	18171	3.07	PPBV #	70
7) 1,3-BUTADIENE	4.138	39	24863	3.49	PPBV #	100
8) BROMOMETHANE	4.413	94	16544	3.01	PPBV #	100
9) CHLOROETHANE	4.587	64	8297	3.32	PPBV #	100
10) TRICHLOROFLUOROMETHANE	5.407	101	85138	3.32	PPBV #	100
11) ISOPROPYL ALCOHOL	5.458	45	45037	4.84	PPBV	96
12) ACETONE	5.206	43	52661	3.59	PPBV	85
13) PENTANE	5.788	42	22444	3.46	PPBV #	100
14) 1,1-DICHLOROETHYLENE	6.085	96	15283	3.14	PPBV #	1
15) CARBON DISULFIDE	6.539	76	39495	3.02	PPBV #	27
16) ETHANOL	4.686	45	7588	3.86	PPBV #	100
17) BROMOETHENE	4.960	106	14973	2.91	PPBV #	100
18) METHYLENE CHLORIDE	6.207	84	16146	3.48	PPBV #	1
19) 3-CHLOROPROPENE	6.333	39	28549	3.50	PPBV #	1
20) FREON 113	6.482	151	26921	2.95	PPBV #	100
21) TRANS-1,2-DICHLOROETHY...	7.196	96	14914	3.02	PPBV #	100
22) TERTIARY BUTYL ALCOHOL	6.106	59	49097	5.25	PPBV #	100
23) METHYL TERTIARY BUTYL ...	7.457	73	52202	3.23	PPBV #	100
24) TETRAHYDROFURAN	8.971	42	23089	3.30	PPBV #	100
25) HEXANE	8.472	57	23325	3.37	PPBV #	100
26) VINYL ACETATE	7.542	43	59031	3.38	PPBV	96
27) 1,1-DICHLOROETHANE	7.404	63	40872	3.37	PPBV #	100
28) METHYL ETHYL KETONE	7.801	43	51255	3.39	PPBV	84
29) cis-1,2-DICHLOROETHYLENE	8.264	96	13183	3.27	PPBV #	100
30) ETHYL ACETATE	8.474	43	79958	3.44	PPBV #	100
31) CHLOROFORM	8.562	83	48093	3.30	PPBV #	100
32) 1,1,1-TRICHLOROETHANE	9.556	97	55722	3.22	PPBV	88
33) CARBON TETRACHLORIDE	10.165	117	57499	3.01	PPBV	98
34) 1,2-DICHLOROETHANE	9.304	62	47851	3.36	PPBV	98
36) BENZENE	10.018	78	35125	3.10	PPBV	85
37) CYCLOHEXANE	10.288	84	13499	3.14	PPBV #	52
38) TRICHLOROETHYLENE	11.051	95	22620	3.09	PPBV #	76
39) 1,2-DICHLOROPROPANE	10.820	63	15905	3.03	PPBV	88
40) BROMODICHLOROMETHANE	11.013	83	47394	2.94	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.076	57	74465	3.03	PPBV	95
42) 1,4-DIOXANE	11.047	88	5710	2.92	PPBV #	24
43) HEPTANE	11.328	43	35732	3.06	PPBV #	76

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3560.D
Acq On : 30 May 2007 12:25 pm
Operator : PhilipB
Sample : IC193-2 (M017)
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 30 16:47:16 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 12:31:21 2007
Response via : Initial Calibration

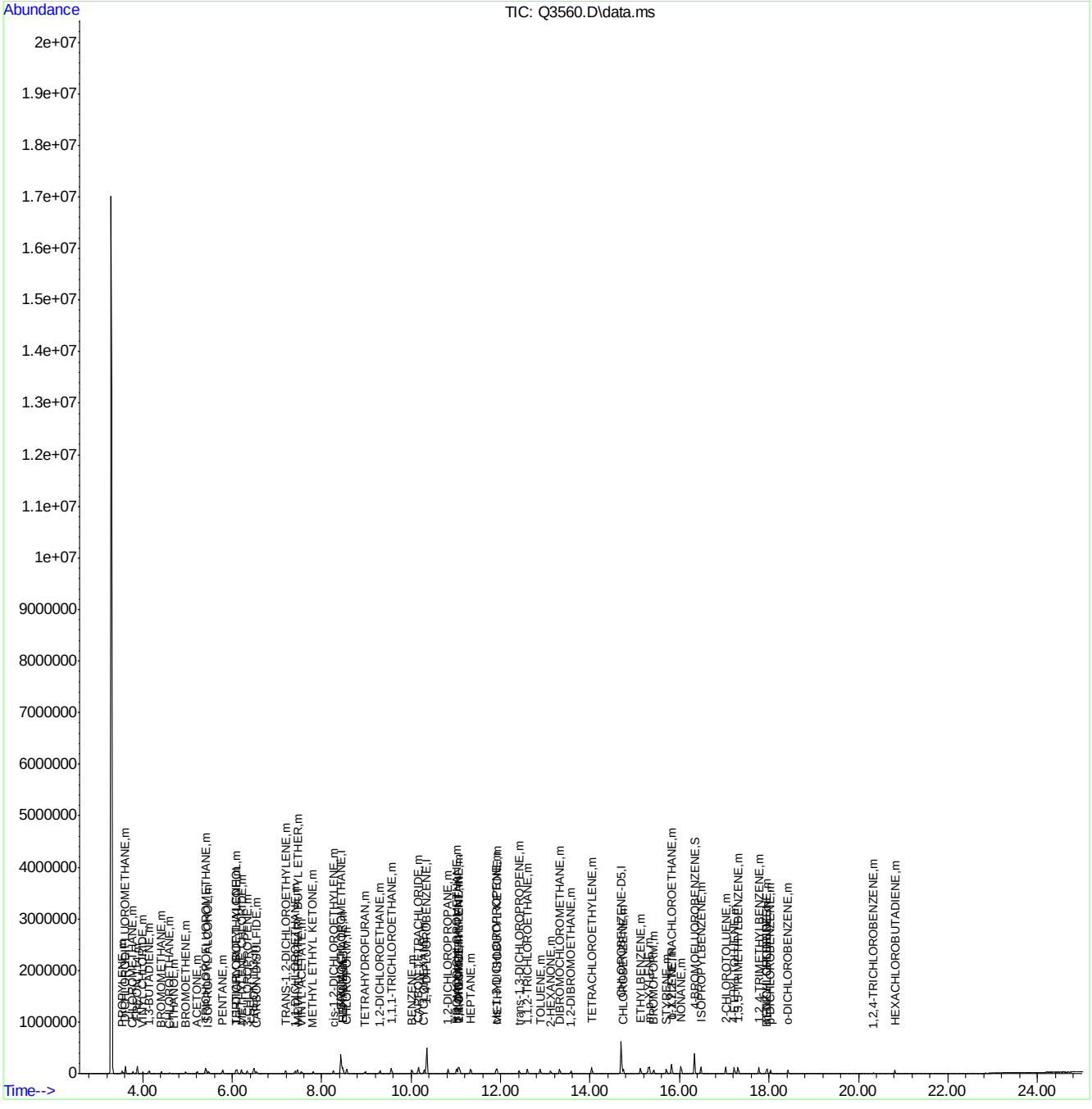
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) METHYL ISOBUTYL KETONE	11.920	43	51930	3.54	PPBV		86
45) cis-1,3-DICHLOROPROPENE	11.903	75	23151	2.82	PPBV	#	54
46) TOLUENE	12.886	92	24522	2.86	PPBV		97
47) trans-1,3-DICHLOROPROPENE	12.415	75	23988	2.77	PPBV	#	92
48) 1,1,2-TRICHLOROETHANE	12.596	83	14832	3.00	PPBV		90
50) 2-HEXANONE	13.113	43	39312	4.02	PPBV		85
51) TETRACHLOROETHYLENE	14.036	164	14267	2.65	PPBV	#	79
52) DIBROMOCHLOROMETHANE	13.317	129	35527	2.72	PPBV		97
53) 1,2-DIBROMOETHANE	13.571	107	25805	2.87	PPBV	#	98
54) CHLOROBENZENE	14.744	112	31314	3.01	PPBV	#	80
55) ETHYLBENZENE	15.122	91	63325	3.01	PPBV		93
56) m,p-XYLENE	15.301	106	40565m	5.58	PPBV		
57) o-XYLENE	15.825	106	20790	2.66	PPBV	#	71
58) STYRENE	15.704	104	25157	2.78	PPBV		89
59) NONANE	16.031	43	55327	3.21	PPBV		84
60) BROMOFORM	15.422	173	26078	2.50	PPBV		97
62) 1,1,2,2-TETRACHLOROETHANE	15.818	83	32761	3.92	PPBV		97
63) ISOPROPYLBENZENE	16.473	105	69342	2.75	PPBV		90
64) 2-CHLOROTOLUENE	17.032	91	53100	2.88	PPBV		83
65) 4-ETHYLTOLUENE	17.223	105	57615	2.73	PPBV		92
66) 1,3,5-TRIMETHYLBENZENE	17.303	105	56293	3.06	PPBV		90
67) 1,2,4-TRIMETHYLBENZENE	17.773	105	49123	3.28	PPBV		92
68) m-DICHLOROBENZENE	17.955	146	21845	3.47	PPBV		92
69) BENZYL CHLORIDE	17.933	91	22269m	3.21	PPBV		
70) p-DICHLOROBENZENE	18.029	146	18367	3.22	PPBV		89
71) o-DICHLOROBENZENE	18.419	146	18994	3.71	PPBV		88
72) HEXACHLOROBUTADIENE	20.810	225	6093	4.80	PPBV		93
73) 1,2,4-TRICHLOROBENZENE	20.327	180	2046	4.23	PPBV	#	73

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3560.D
Acq On : 30 May 2007 12:25 pm
Operator : PhilipB
Sample : IC193-2 (M017)
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 1 Sample Multiplier: 1

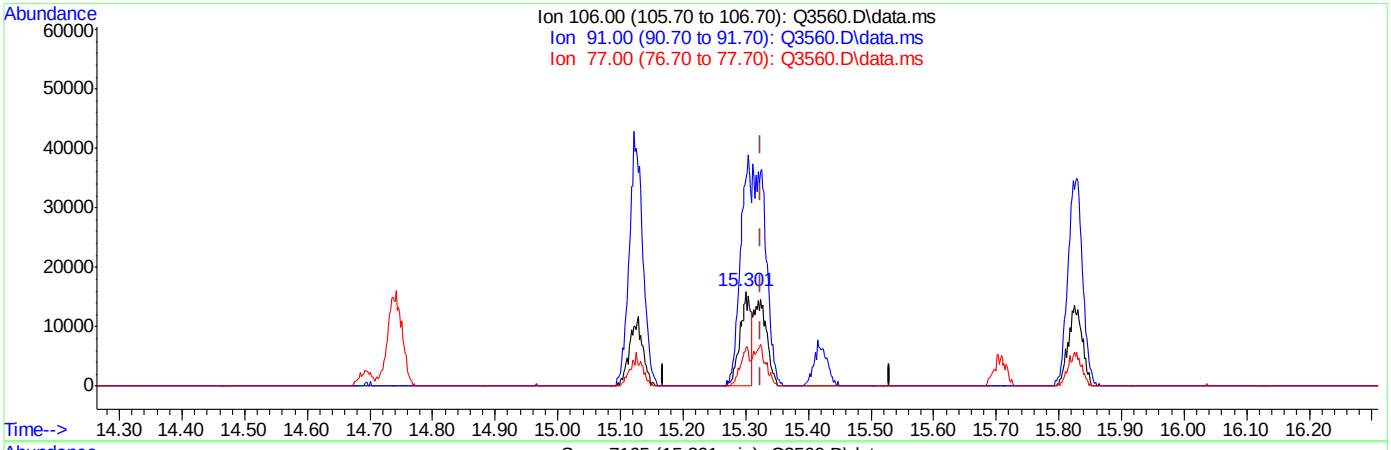
Quant Time: May 30 16:47:16 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 12:31:21 2007
Response via : Initial Calibration

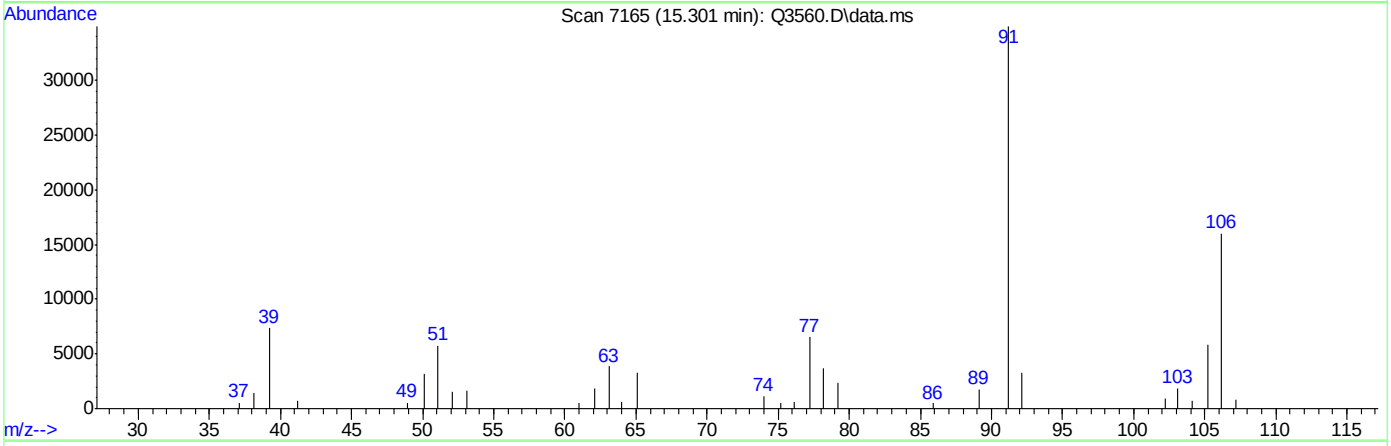


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3560.D
Acq On : 30 May 2007 12:25 pm
Operator : PhilipB
Sample : IC193-2 (M017)
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 30 13:00:45 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 12:31:21 2007
Response via : Initial Calibration





TIC: Q3560.D\data.ms

(56) m,p-XYLENE (m)

15.301min (-0.023) 2.71PPBV

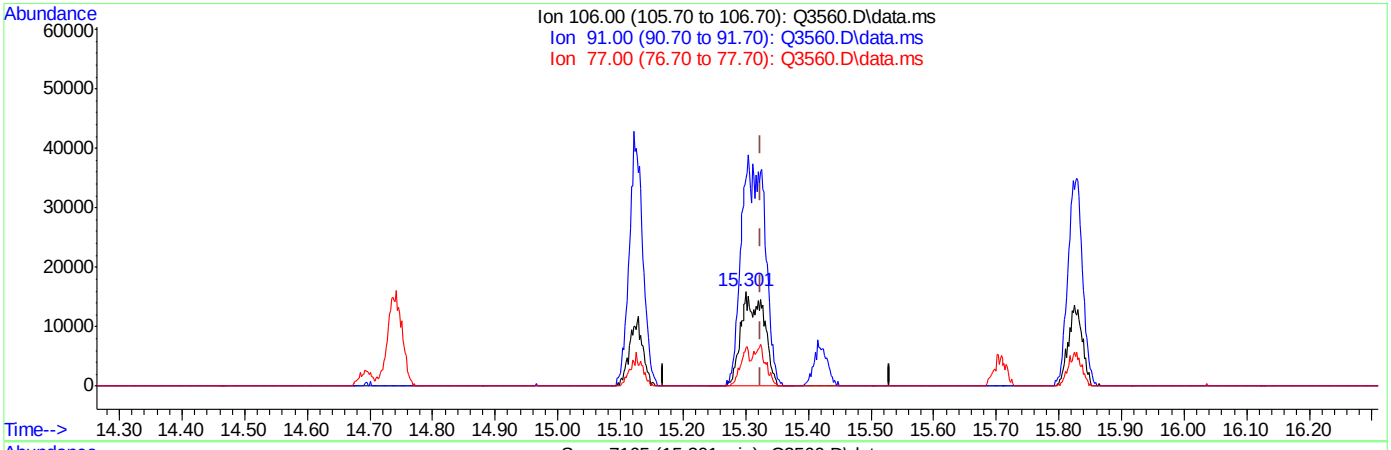
response 19680

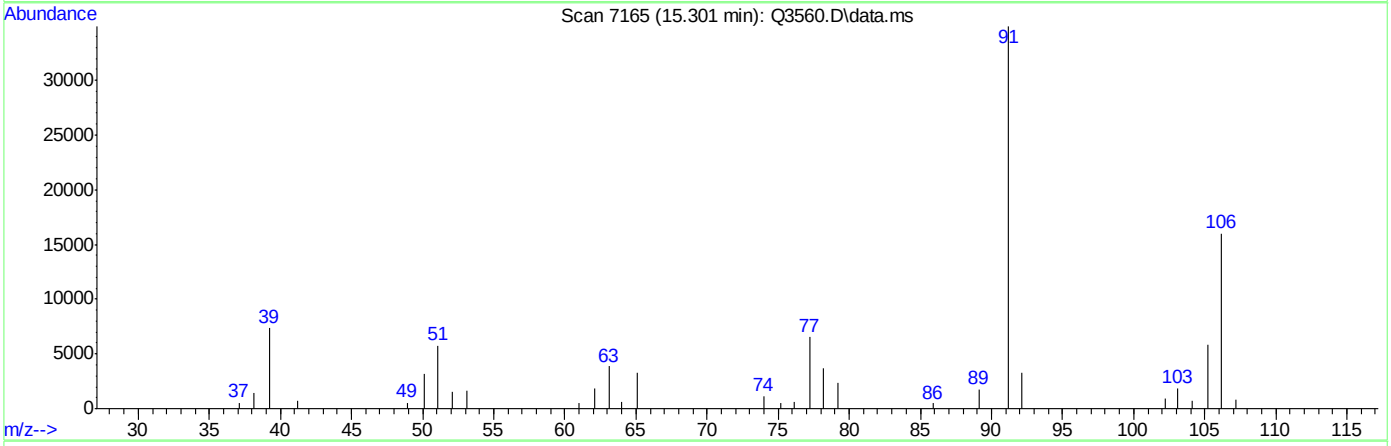
Ion	Exp%	Act%
106.00	100	100
91.00	204.20	218.54
77.00	30.60	40.72#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3560.D
Acq On : 30 May 2007 12:25 pm
Operator : PhilipB
Sample : IC193-2 (M017)
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 30 13:00:45 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 12:31:21 2007
Response via : Initial Calibration





TIC: Q3560.D\data.ms

(56) m,p-XYLENE (m)

15.301min (-0.023) 5.58PPBV m

response 40565

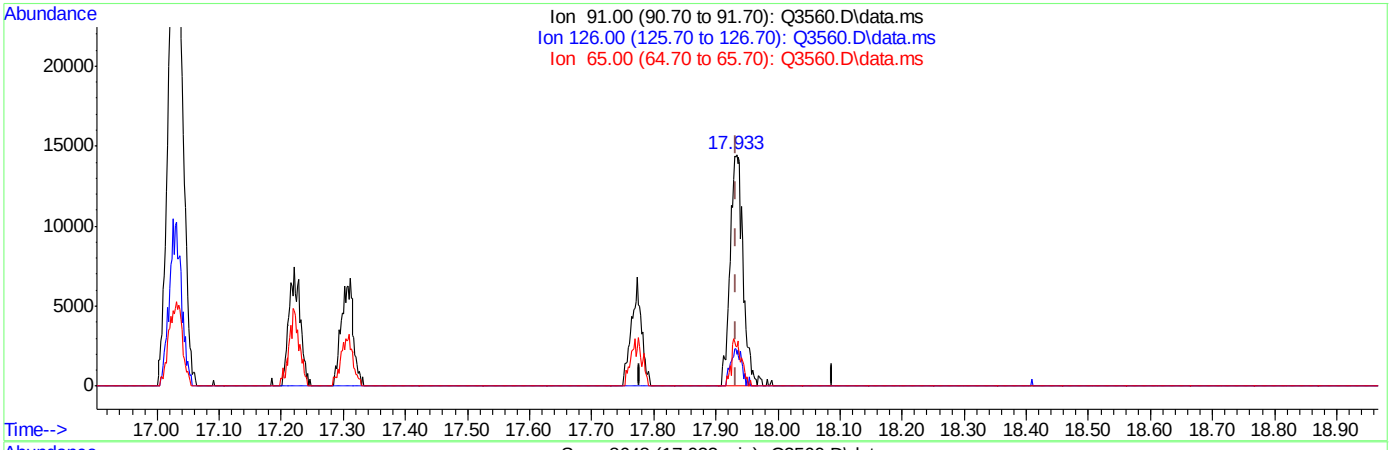
Ion	Exp%	Act%
106.00	100	100
91.00	204.20	218.54
77.00	30.60	40.72#
0.00	0.00	0.00

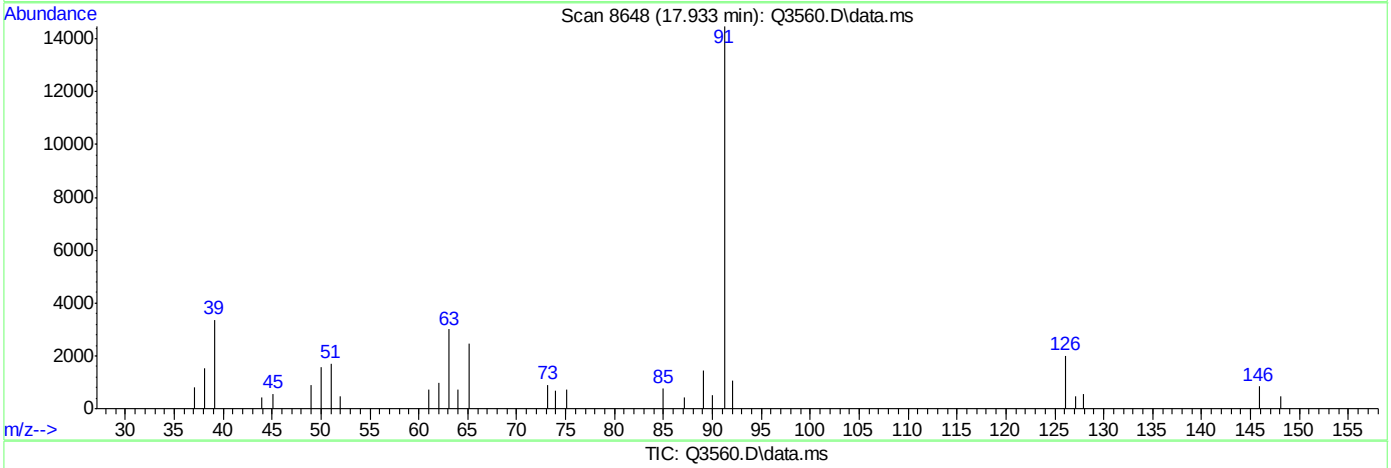
ACCUTEST Laboratories M65503

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3560.D
Acq On : 30 May 2007 12:25 pm
Operator : PhilipB
Sample : IC193-2 (M017)
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 30 13:01:21 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 12:31:21 2007
Response via : Initial Calibration





TIC: Q3560.D\data.ms

(69) BENZYL CHLORIDE (m)

17.933min (+0.000) 3.17PPBV

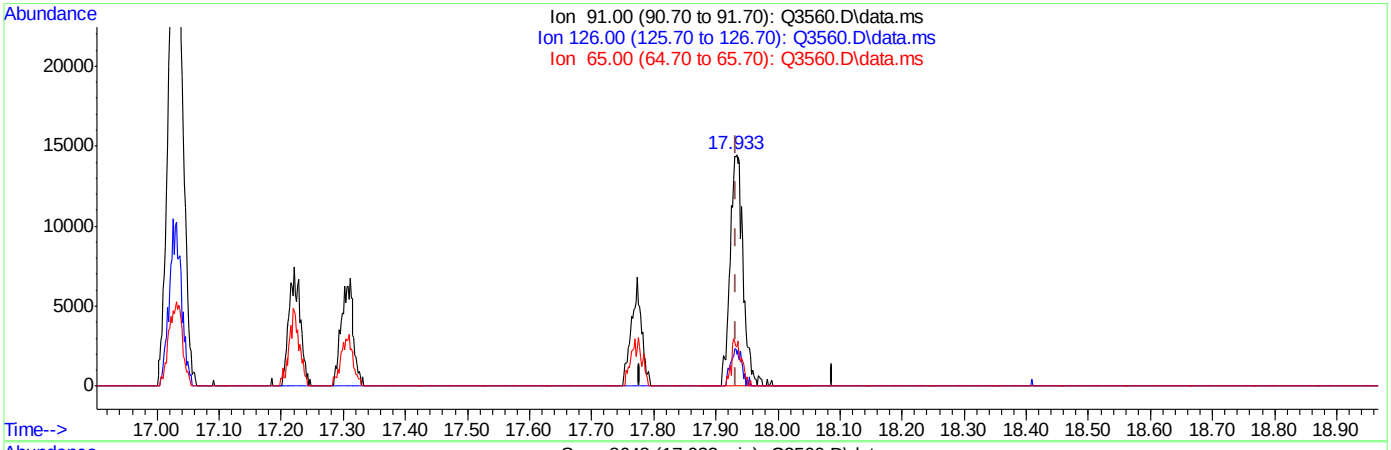
response 21953

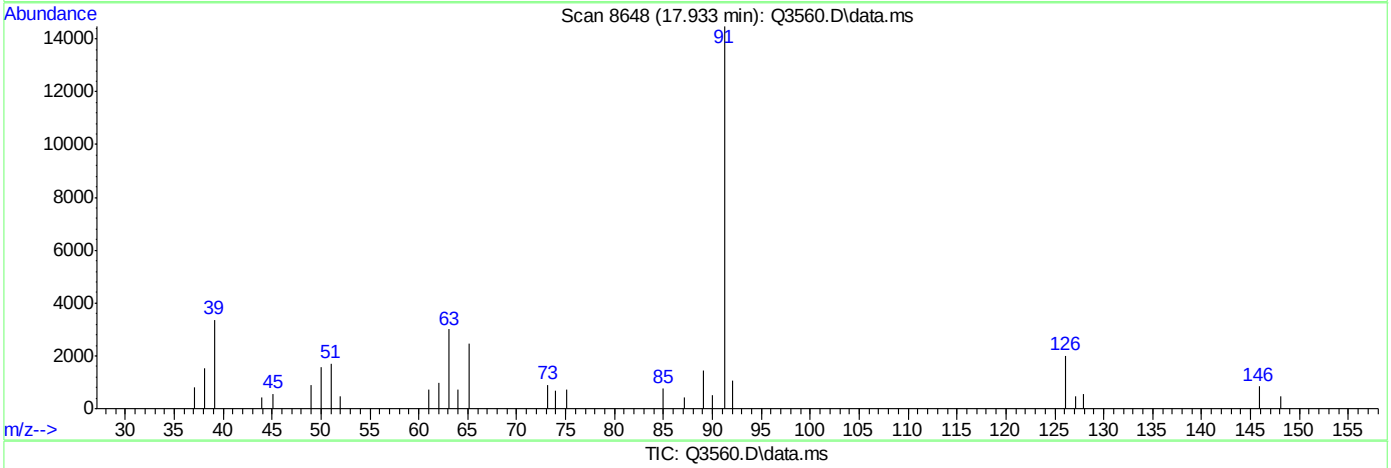
Ion	Exp%	Act%
91.00	100	100
126.00	20.90	13.93
65.00	12.30	15.98
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3560.D
Acq On : 30 May 2007 12:25 pm
Operator : PhilipB
Sample : IC193-2 (M017)
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 30 13:01:21 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 12:31:21 2007
Response via : Initial Calibration





TIC: Q3560.D\data.ms

(69) BENZYL CHLORIDE (m)

17.933min (+0.000) 3.21PPBV m

response 22269

Ion	Exp%	Act%
91.00	100	100
126.00	20.90	13.74
65.00	12.30	15.76
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
05/31/07 11:31

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3561.D
Acq On : 30 May 2007 1:09 pm
Operator : PhilipB
Sample : IC193-.5 (M007
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 30 13:58:30 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 13:01:34 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.428	128	46544	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.350	114	225840	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.696	117	184232	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.331	95	97197	4.85	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 97.00%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	3.609	85	20495	0.71	PPBV	80
3) PROPYLENE	3.533	41	4316	0.78	PPBV	87
4) FREON 114	3.872	85	15293	0.68	PPBV #	100
5) CHLOROMETHANE	3.778	50	5467	0.77	PPBV	96
6) VINYL CHLORIDE	4.000	62	4193	0.66	PPBV #	63
7) 1,3-BUTADIENE	4.138	39	6209	0.79	PPBV #	100
8) BROMOMETHANE	4.415	94	3706	0.64	PPBV #	100
9) CHLOROETHANE	4.591	64	1743m	0.64	PPBV	
10) TRICHLOROFLUOROMETHANE	5.414	101	20162	0.72	PPBV #	100
11) ISOPROPYL ALCOHOL	5.466	45	13755	1.20	PPBV	97
12) ACETONE	5.210	43	18902	1.16	PPBV	85
13) PENTANE	5.780	42	5716m	0.80	PPBV	
14) 1,1-DICHLOROETHYLENE	6.080	96	3357	0.64	PPBV #	1
15) CARBON DISULFIDE	6.534	76	9188	0.66	PPBV #	1
16) ETHANOL	4.699	45	2844	1.27	PPBV #	100
17) BROMOETHENE	4.962	106	3372	0.62	PPBV #	100
18) METHYLENE CHLORIDE	6.211	84	18193	3.55	PPBV #	1
19) 3-CHLOROPROPENE	6.337	39	7658	0.85	PPBV #	1
20) FREON 113	6.479	151	6443m	0.67	PPBV	
21) TRANS-1,2-DICHLOROETHY...	7.196	96	3419	0.65	PPBV #	100
22) TERTIARY BUTYL ALCOHOL	6.112	59	11149	0.93	PPBV #	100
23) METHYL TERTIARY BUTYL ...	7.466	73	12329	0.71	PPBV #	100
24) TETRAHYDROFURAN	8.974	42	5688	0.75	PPBV	100
25) HEXANE	8.463	57	9230	1.22	PPBV #	100
26) VINYL ACETATE	7.549	43	13286	0.69	PPBV	80
27) 1,1-DICHLOROETHANE	7.405	63	9882	0.74	PPBV #	100
28) METHYL ETHYL KETONE	7.810	43	14152	0.85	PPBV	77
29) cis-1,2-DICHLOROETHYLENE	8.266	96	3278	0.75	PPBV #	100
30) ETHYL ACETATE	8.472	43	22854	0.89	PPBV #	100
31) CHLOROFORM	8.559	83	12213	0.77	PPBV #	100
32) 1,1,1-TRICHLOROETHANE	9.558	97	13310	0.71	PPBV	88
33) CARBON TETRACHLORIDE	10.163	117	12435	0.61	PPBV	96
34) 1,2-DICHLOROETHANE	9.303	62	11196	0.72	PPBV #	95
36) BENZENE	10.021	78	8341m	0.71	PPBV	
37) CYCLOHEXANE	10.284	84	2880	0.64	PPBV #	34
38) TRICHLOROETHYLENE	11.049	95	5368	0.71	PPBV #	27
39) 1,2-DICHLOROPROPANE	10.827	63	4177	0.77	PPBV #	70
40) BROMODICHLOROMETHANE	11.010	83	11448	0.69	PPBV	91
41) 2,2,4-TRIMETHYLPENTANE	11.079	57	17857	0.70	PPBV	94
42) 1,4-DIOXANE	11.058	88	1116	0.56	PPBV #	1
43) HEPTANE	11.324	43	8894	0.74	PPBV #	74

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3561.D
Acq On : 30 May 2007 1:09 pm
Operator : PhilipB
Sample : IC193-.5 (M007
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 30 13:58:30 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 13:01:34 2007
Response via : Initial Calibration

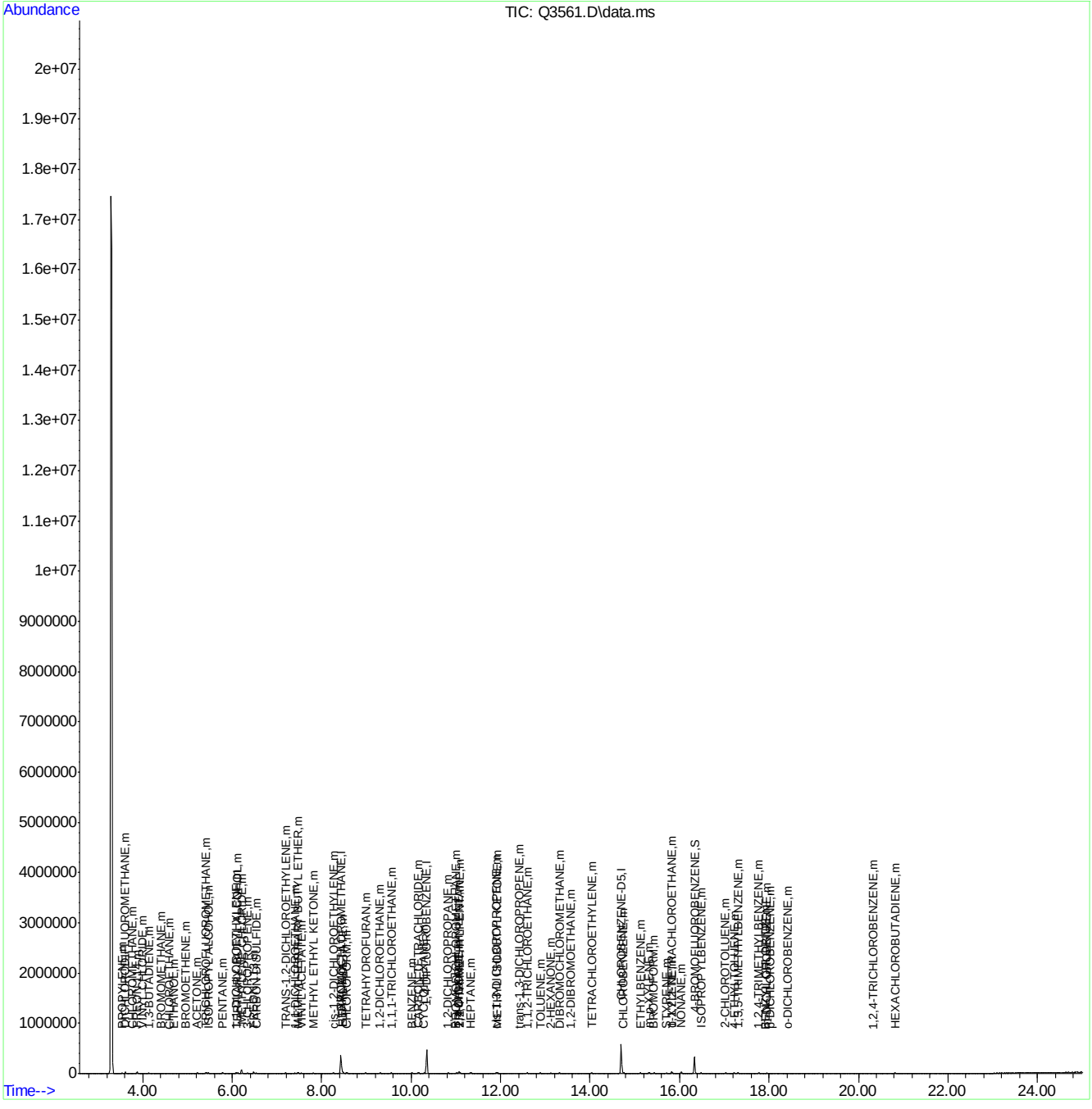
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.926	43	12303	0.78	PPBV	69
45) cis-1,3-DICHLOROPROPENE	11.894	75	4880	0.59	PPBV #	61
46) TOLUENE	12.882	92	5822	0.67	PPBV	96
47) trans-1,3-DICHLOROPROPENE	12.410	75	4298	0.49	PPBV #	78
48) 1,1,2-TRICHLOROETHANE	12.604	83	3407	0.67	PPBV	88
50) 2-HEXANONE	13.122	43	9452	0.88	PPBV #	77
51) TETRACHLOROETHYLENE	14.039	164	3461	0.66	PPBV #	85
52) DIBROMOCHLOROMETHANE	13.315	129	7201	0.56	PPBV	90
53) 1,2-DIBROMOETHANE	13.569	107	5566	0.62	PPBV #	95
54) CHLOROBENZENE	14.742	112	6080	0.58	PPBV #	74
55) ETHYLBENZENE	15.124	91	13442	0.64	PPBV	92
56) m,p-XYLENE	15.326	106	8907	1.24	PPBV	87
57) o-XYLENE	15.828	106	4202	0.55	PPBV #	65
58) STYRENE	15.708	104	3968	0.44	PPBV	92
59) NONANE	16.034	43	11644	0.66	PPBV #	77
60) BROMOFORM	15.426	173	4764	0.48	PPBV #	96
62) 1,1,2,2-TETRACHLOROETHANE	15.820	83	6506	0.71	PPBV	89
63) ISOPROPYLBENZENE	16.474	105	14490	0.58	PPBV	89
64) 2-CHLOROTOLUENE	17.030	91	11134	0.61	PPBV	86
65) 4-ETHYLTOLUENE	17.218	105	10279m	0.50	PPBV	
66) 1,3,5-TRIMETHYLBENZENE	17.309	105	10976	0.59	PPBV	96
67) 1,2,4-TRIMETHYLBENZENE	17.772	105	9103	0.59	PPBV	84
68) m-DICHLOROBENZENE	17.955	146	2028m	0.31	PPBV	
69) BENZYL CHLORIDE	17.933	91	1341	0.19	PPBV	70
70) p-DICHLOROBENZENE	18.033	146	1646	0.28	PPBV #	48
71) o-DICHLOROBENZENE	18.423	146	1595	0.29	PPBV	80
72) HEXACHLOROBUTADIENE	20.816	225	1779	1.20	PPBV	95
73) 1,2,4-TRICHLOROBENZENE	20.326	180	292	0.54	PPBV #	14

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3561.D
Acq On : 30 May 2007 1:09 pm
Operator : PhilipB
Sample : IC193-.5 (M007
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 2 Sample Multiplier: 1

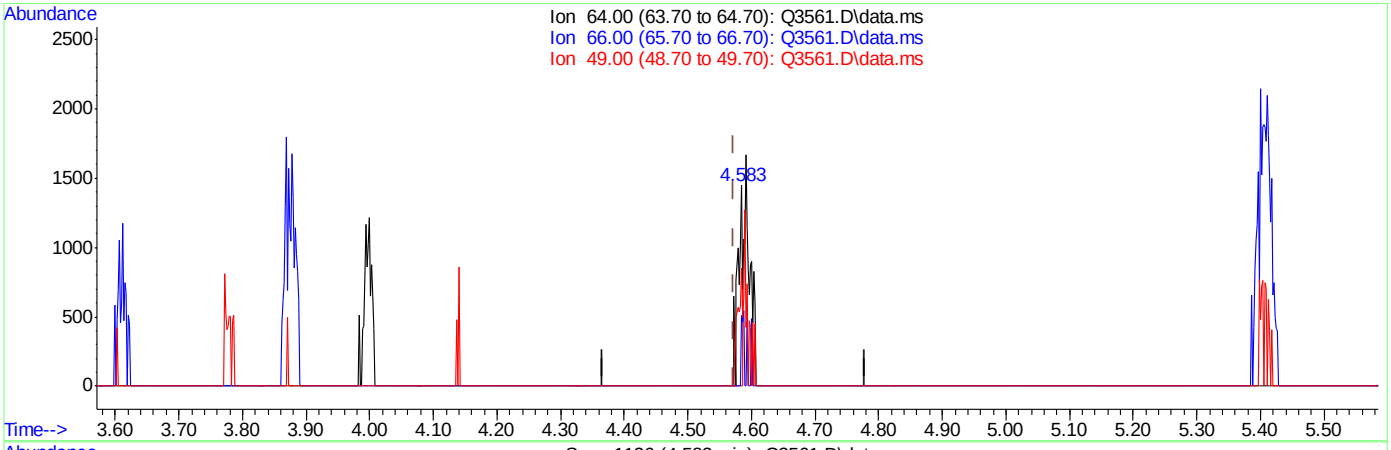
Quant Time: May 30 13:58:30 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 13:01:34 2007
Response via : Initial Calibration

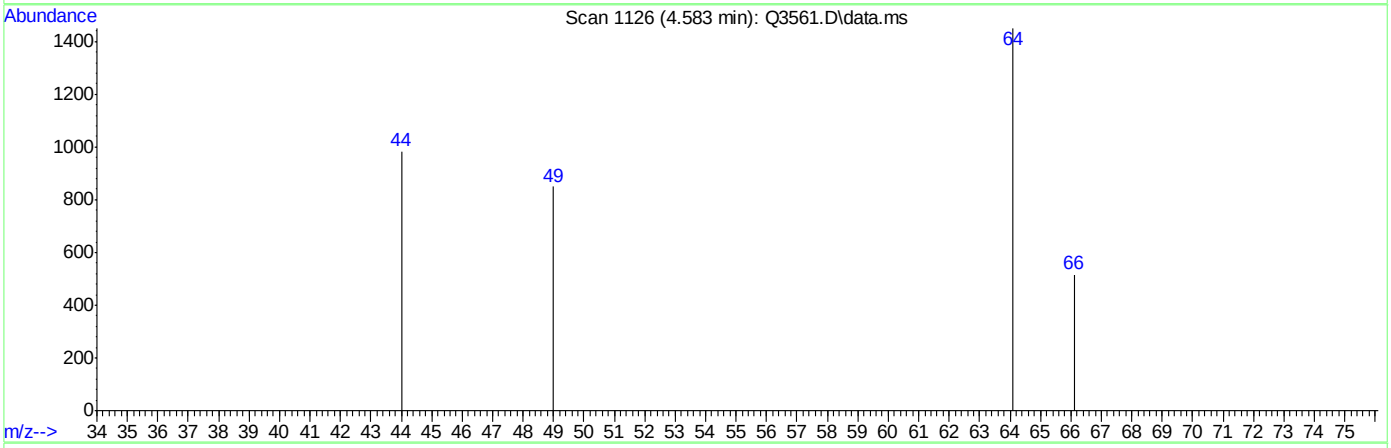


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3561.D
Acq On : 30 May 2007 1:09 pm
Operator : PhilipB
Sample : IC193-.5 (M007
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 30 13:57:21 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 13:01:34 2007
Response via : Initial Calibration





TIC: Q3561.D\data.ms

(9) CHLOROETHANE (m)

4.583min (+0.011) 0.25PPBV

response 671

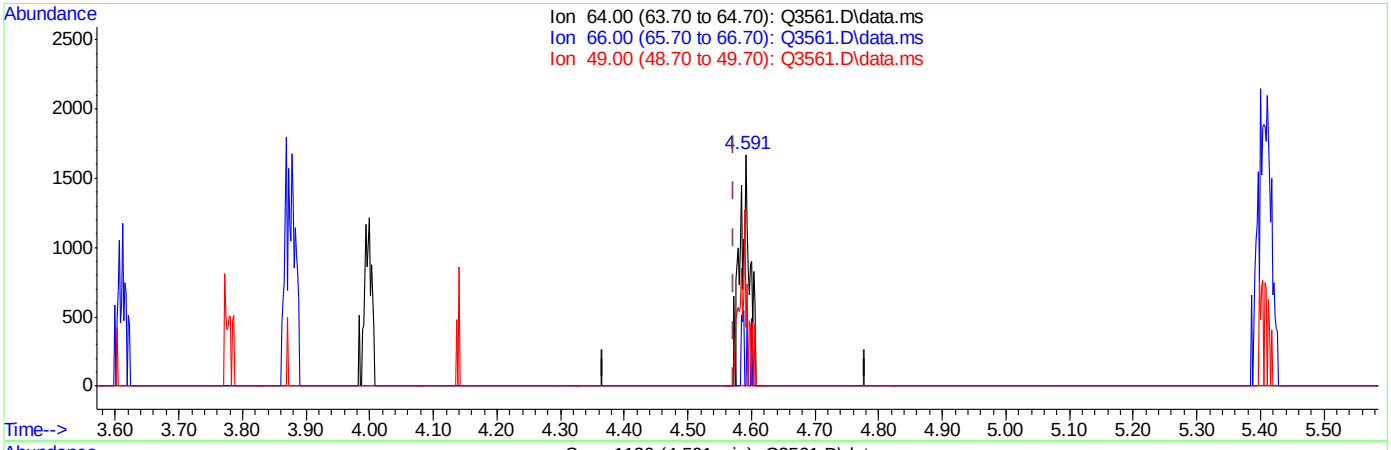
Ion	Exp%	Act%
64.00	100	100
66.00	0.00	24.14#
49.00	0.00	133.83#
0.00	0.00	0.00

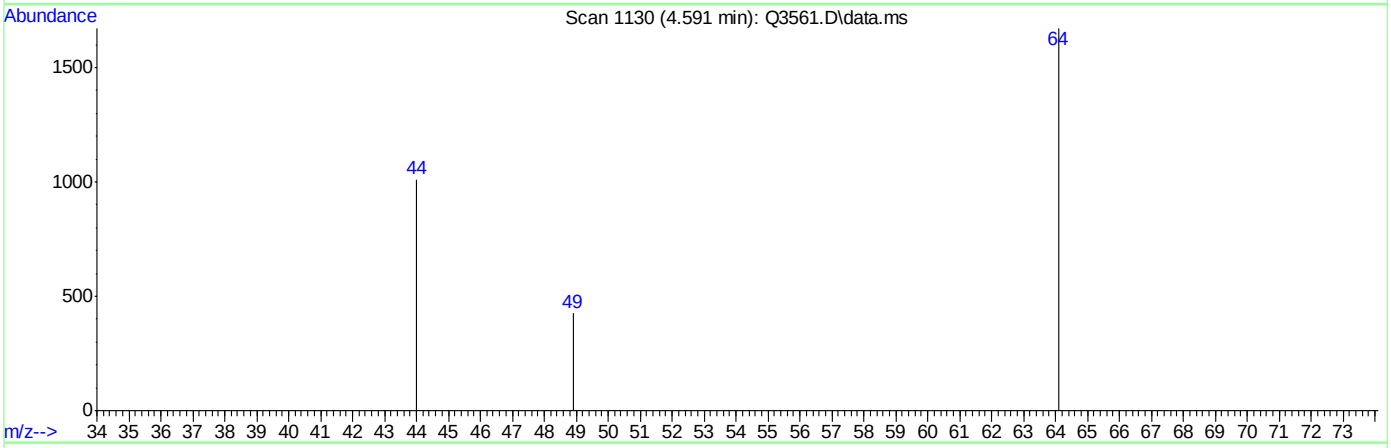
ACCUTEST Laboratories M65503

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3561.D
Acq On : 30 May 2007 1:09 pm
Operator : PhilipB
Sample : IC193-.5 (M007
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 30 13:57:21 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 13:01:34 2007
Response via : Initial Calibration





TIC: Q3561.D\data.ms

(9) CHLOROETHANE (m)

4.591min (+0.018) 0.64PPBV m

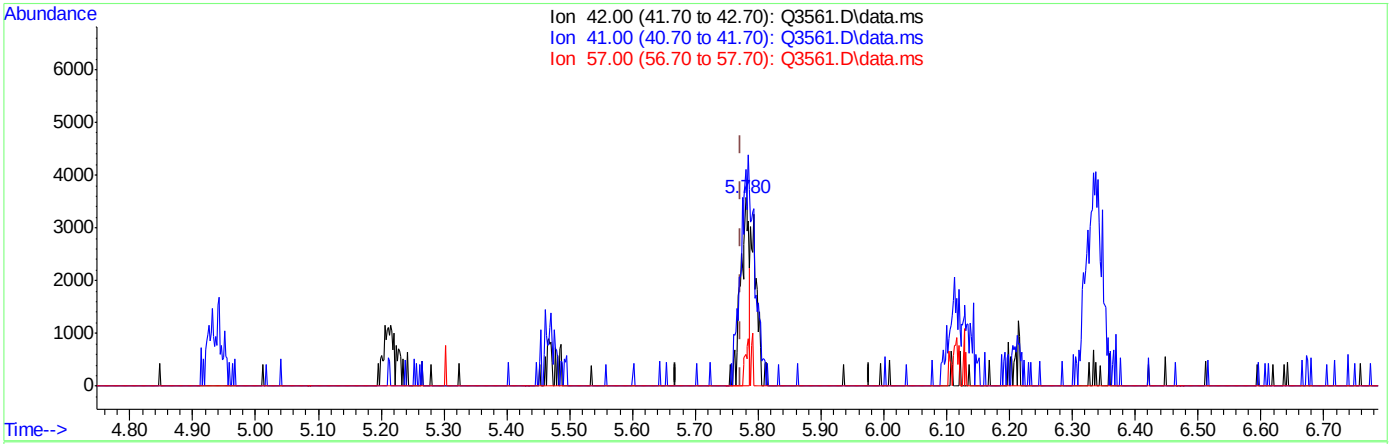
response 1743

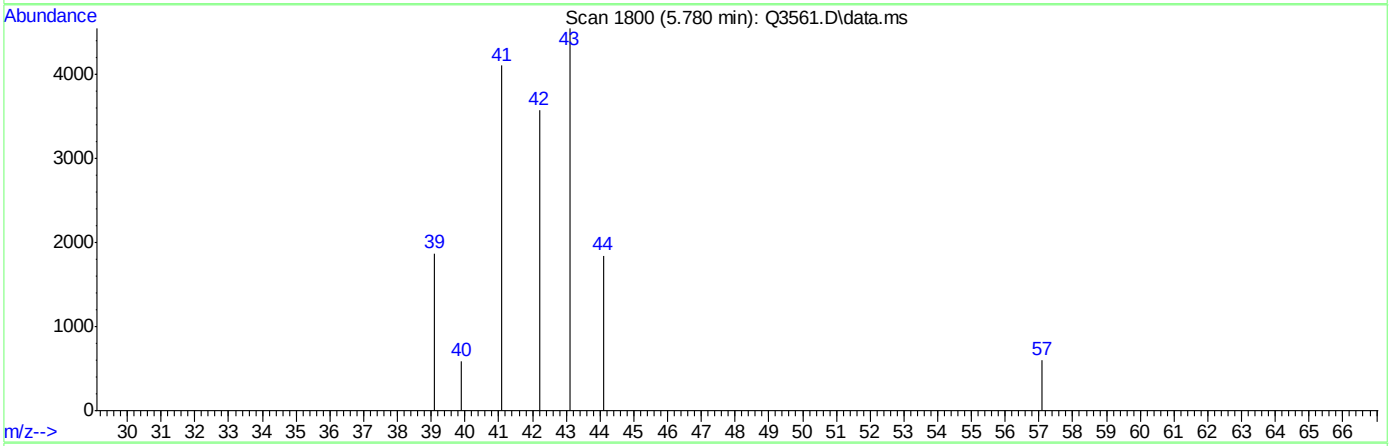
Ion	Exp%	Act%
64.00	100	100
66.00	0.00	9.29
49.00	0.00	51.52#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3561.D
Acq On : 30 May 2007 1:09 pm
Operator : PhilipB
Sample : IC193-.5 (M007
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 30 13:57:21 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 13:01:34 2007
Response via : Initial Calibration





TIC: Q3561.D\data.ms

(13) PENTANE (m)

5.780min (+0.008) 0.48PPBV

response 3459

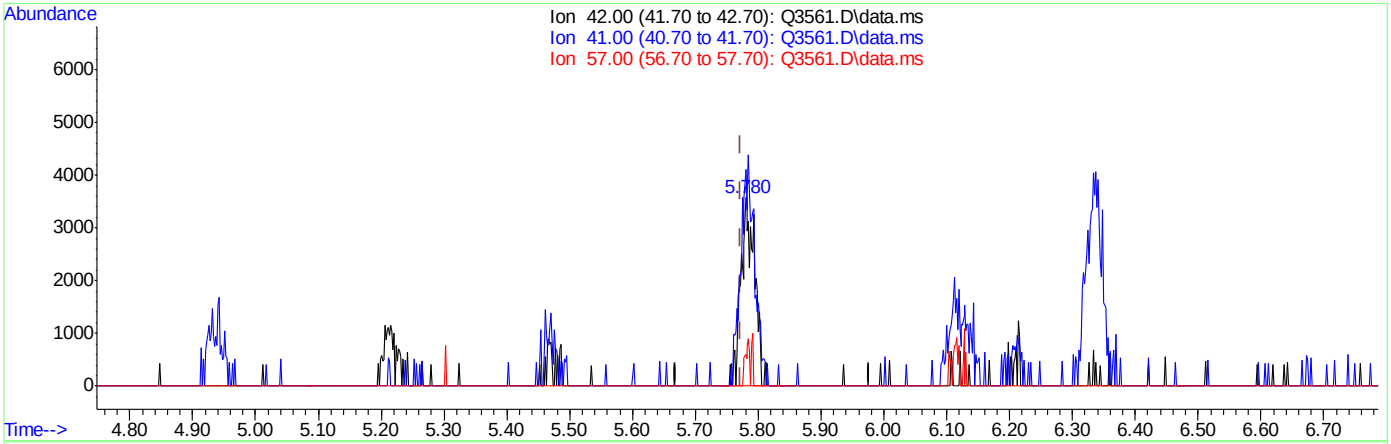
Ion	Exp%	Act%
42.00	100	100
41.00	0.00	202.89#
57.00	0.00	18.94
0.00	0.00	0.00

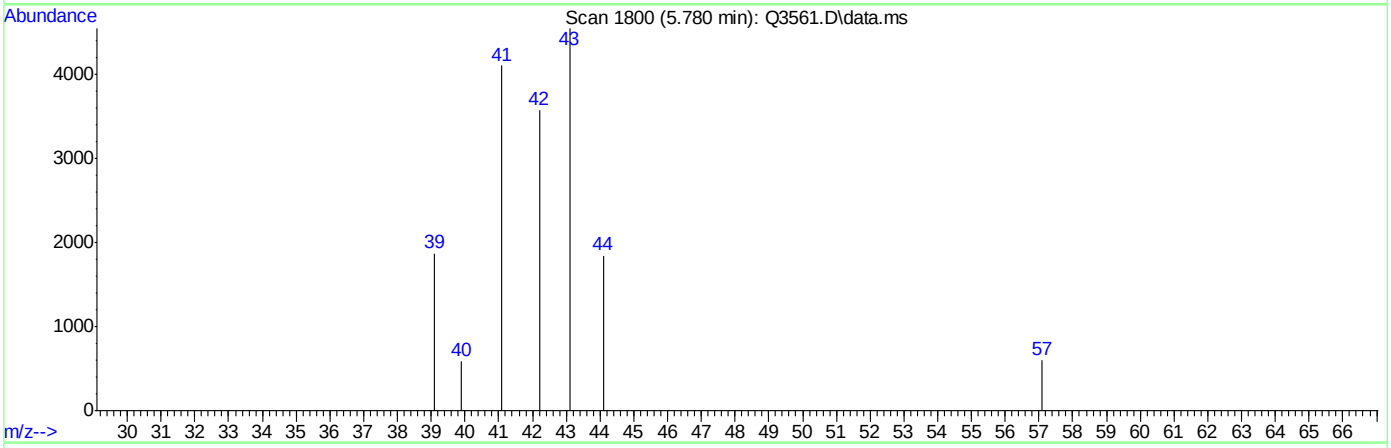
ACCUTEST Laboratories M65503

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3561.D
Acq On : 30 May 2007 1:09 pm
Operator : PhilipB
Sample : IC193-.5 (M007
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 30 13:57:21 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 13:01:34 2007
Response via : Initial Calibration





TIC: Q3561.D\data.ms

(13) PENTANE (m)

5.780min (+0.008) 0.80PPBV m

response 5716

Ion	Exp%	Act%
42.00	100	100
41.00	0.00	122.78#
57.00	0.00	11.46
0.00	0.00	0.00

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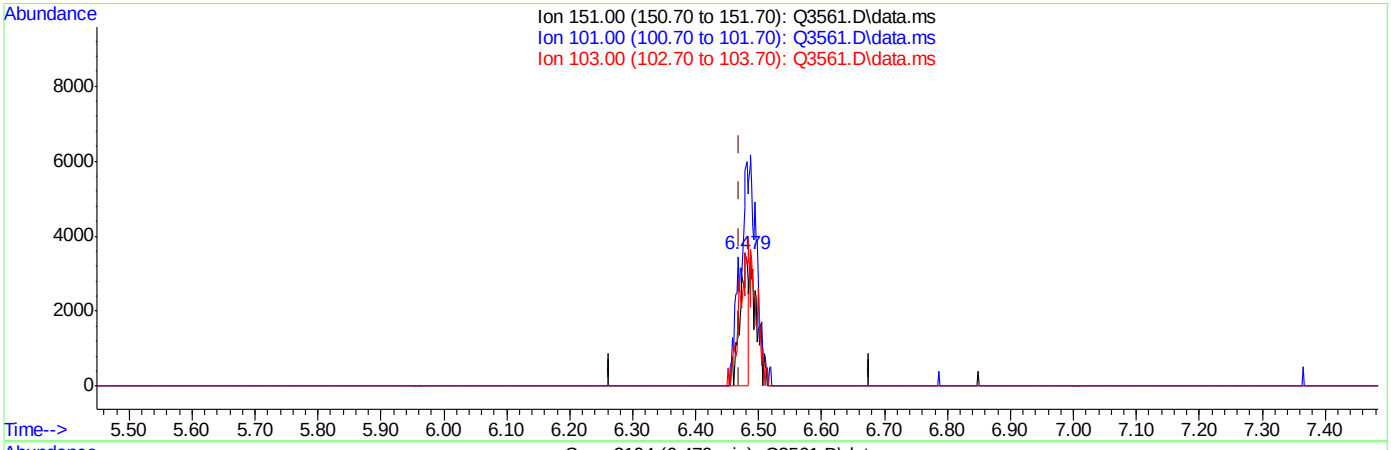
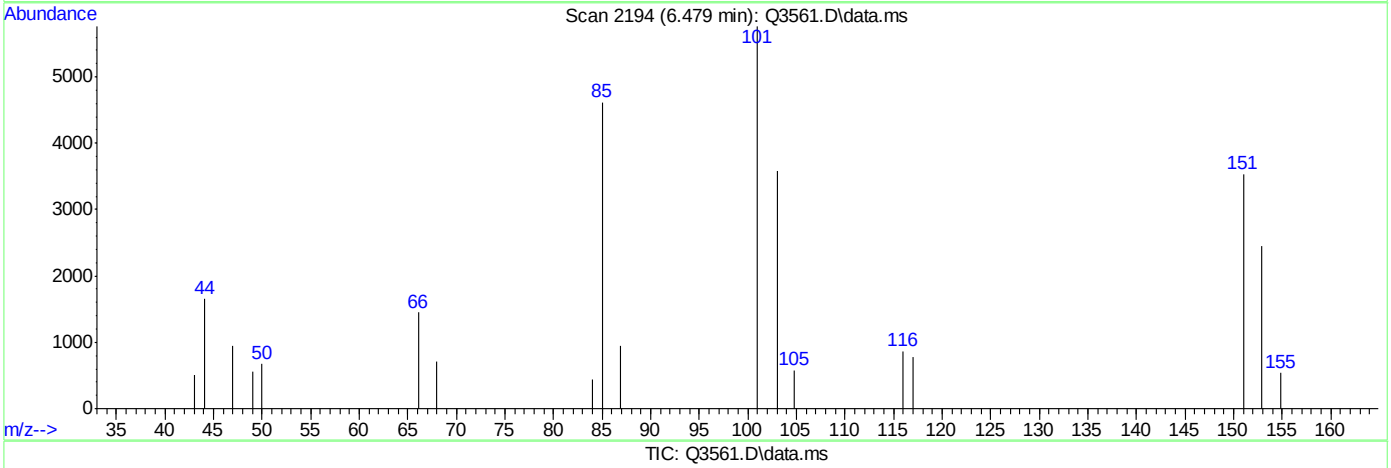
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3561.D
Acq On : 30 May 2007 1:09 pm
Operator : PhilipB
Sample : IC193-.5 (M007
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 30 13:57:21 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 13:01:34 2007
Response via : Initial Calibration





TIC: Q3561.D\data.ms

(20) FREON 113 (m)

6.479min (+0.009) 0.35PPBV

response 3407

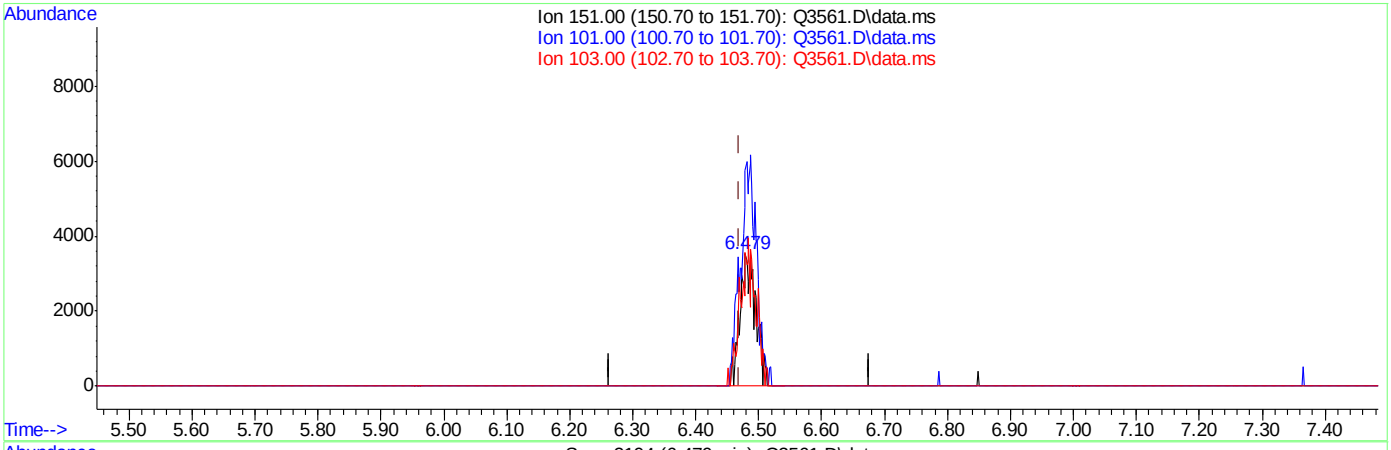
Ion	Exp%	Act%
151.00	100	100
101.00	0.00	333.49#
103.00	0.00	202.05#
0.00	0.00	0.00

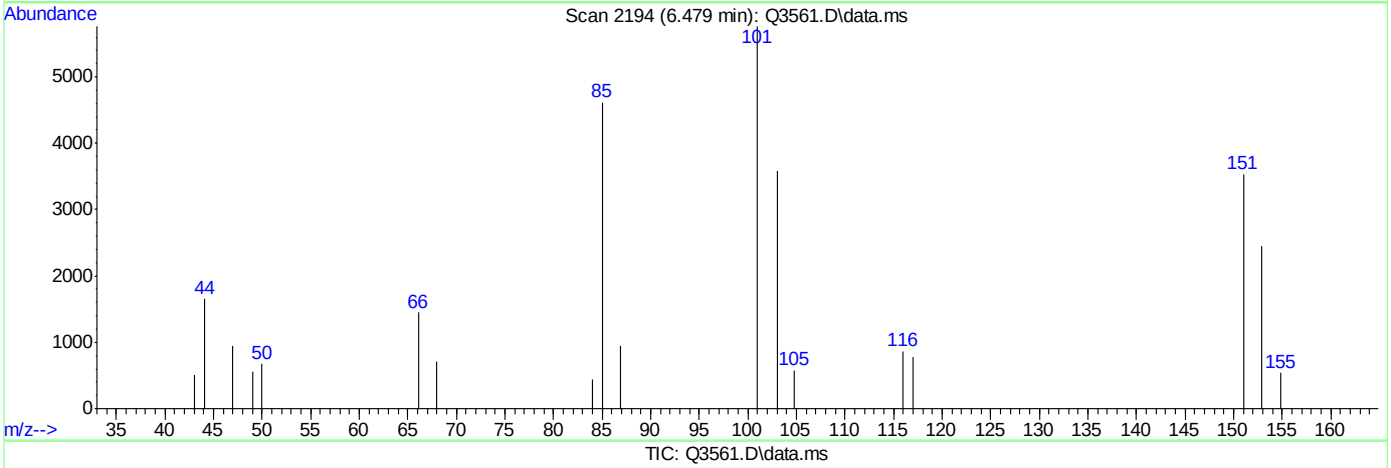
ACCUTEST Laboratories M65503

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3561.D
Acq On : 30 May 2007 1:09 pm
Operator : PhilipB
Sample : IC193-.5 (M007
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 30 13:57:21 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 13:01:34 2007
Response via : Initial Calibration





TIC: Q3561.D\data.ms

(20) FREON 113 (m)

6.479min (+0.009) 0.67PPBV m

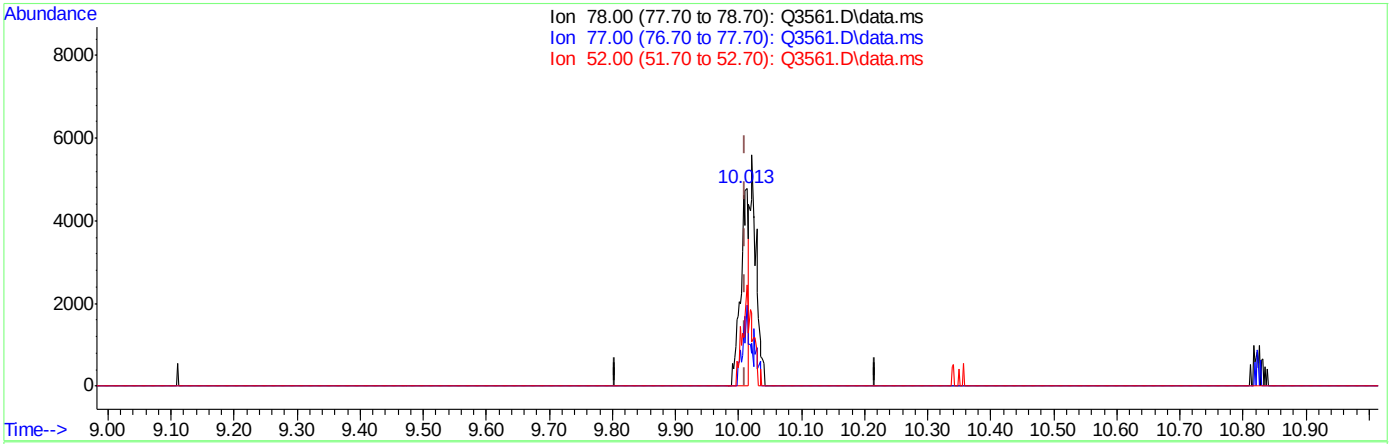
response 6443

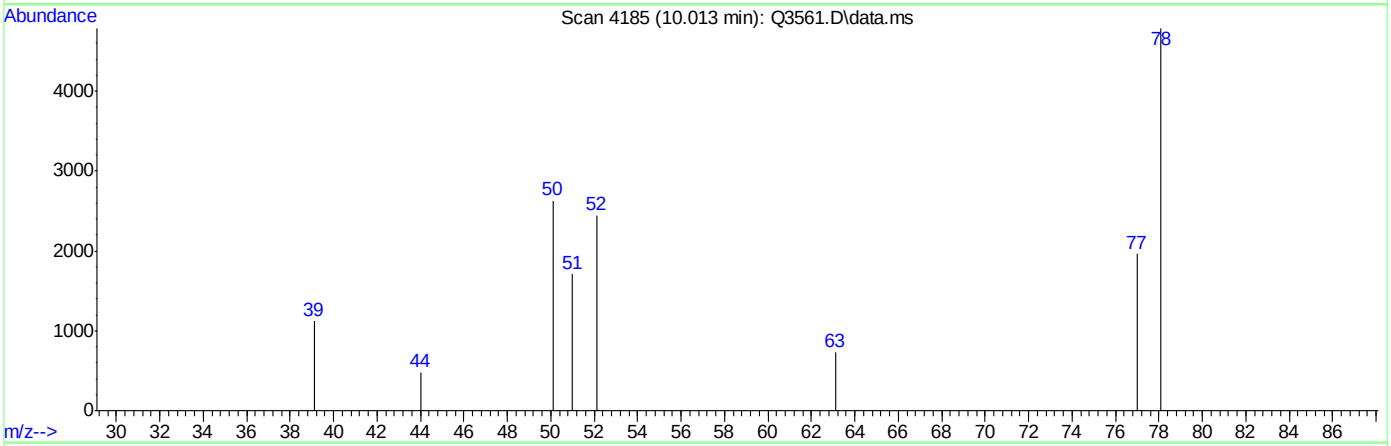
Ion	Exp%	Act%
151.00	100	100
101.00	0.00	176.35#
103.00	0.00	106.84#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3561.D
Acq On : 30 May 2007 1:09 pm
Operator : PhilipB
Sample : IC193-.5 (M007
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 30 13:57:21 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 13:01:34 2007
Response via : Initial Calibration





TIC: Q3561.D\data.ms

(36) BENZENE (m)

10.013min (+0.002) 0.34PPBV

response 3946

Ion	Exp%	Act%
78.00	100	100
77.00	23.10	34.26
52.00	18.10	67.38#
0.00	0.00	0.00

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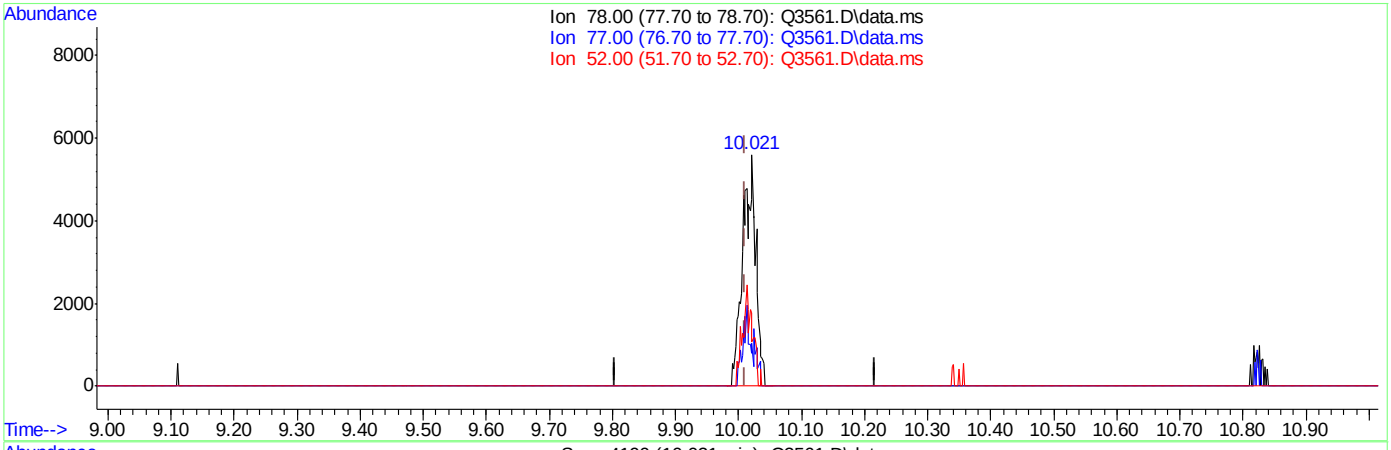
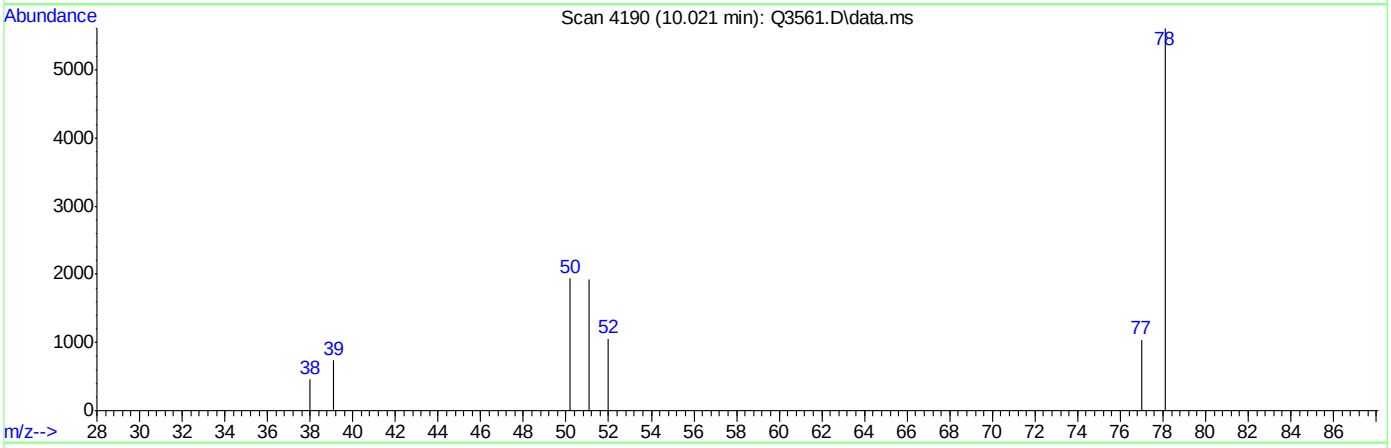
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3561.D
Acq On : 30 May 2007 1:09 pm
Operator : PhilipB
Sample : IC193-.5 (M007
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 30 13:57:21 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 13:01:34 2007
Response via : Initial Calibration





TIC: Q3561.D\data.ms

(36) BENZENE (m)

10.021min (+0.011) 0.71PPBV m

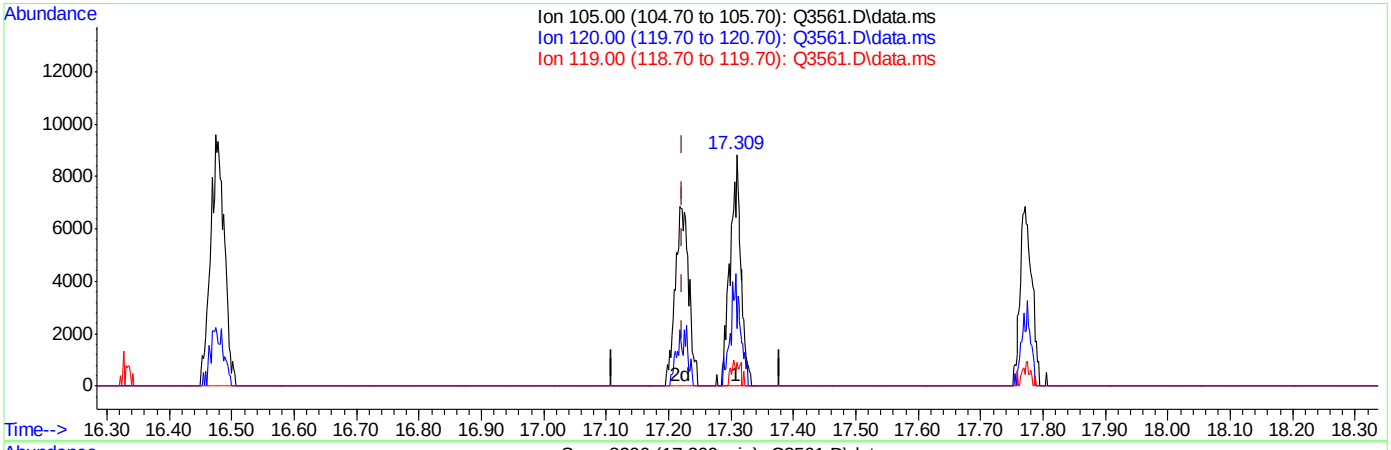
response 8341

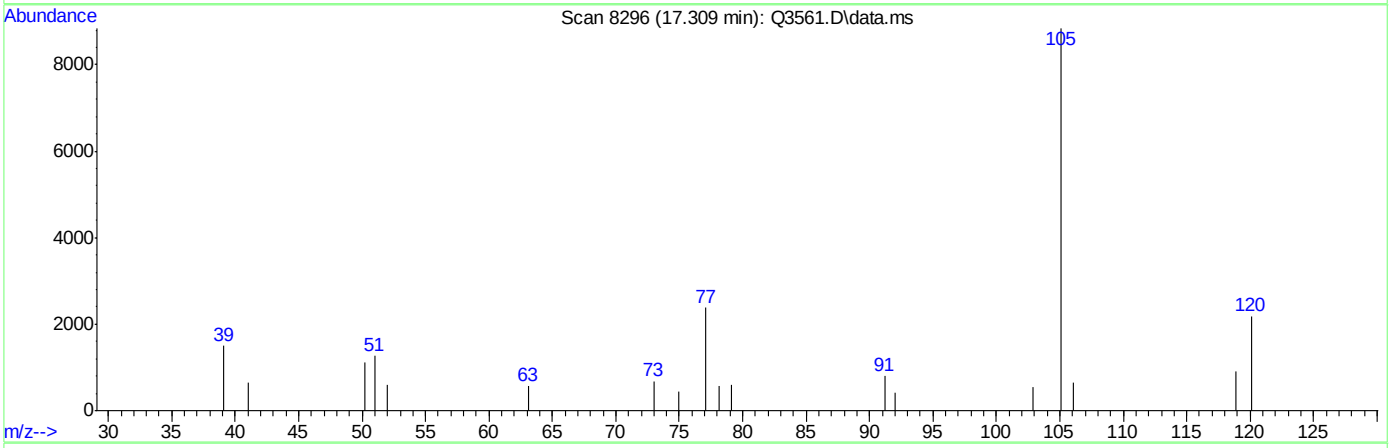
Ion	Exp%	Act%
78.00	100	100
77.00	23.10	16.21
52.00	18.10	31.88
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3561.D
Acq On : 30 May 2007 1:09 pm
Operator : PhilipB
Sample : IC193-.5 (M007
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 30 13:57:21 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 13:01:34 2007
Response via : Initial Calibration





TIC: Q3561.D\data.ms

(65) 4-ETHYLTOLUENE (m)

17.309min (+0.086) 0.53PPBV

response 10979

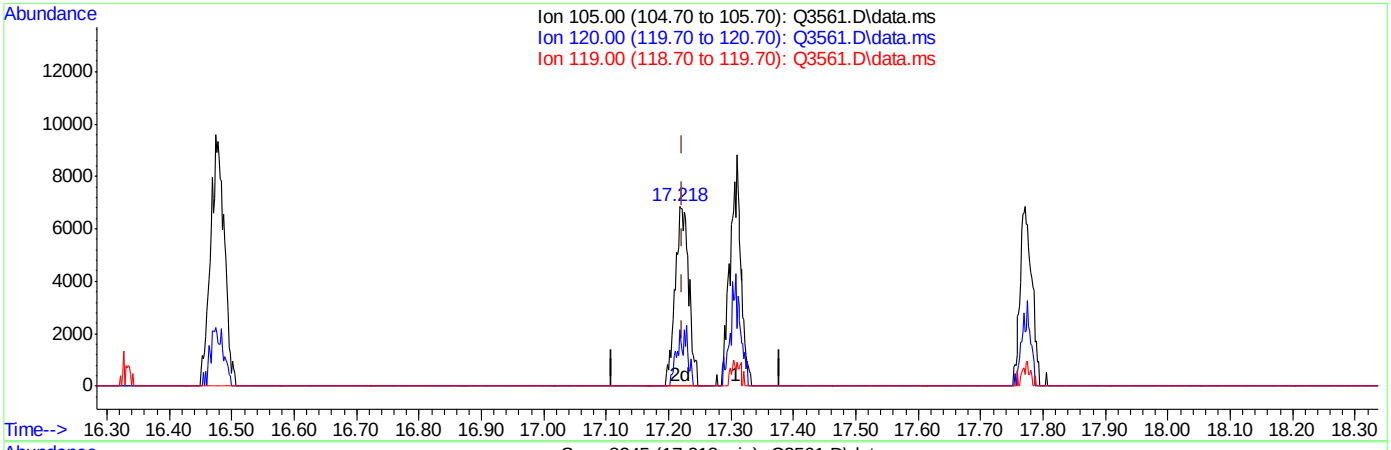
Ion	Exp%	Act%
105.00	100	100
120.00	30.20	43.99
119.00	2.30	8.91
0.00	0.00	0.00

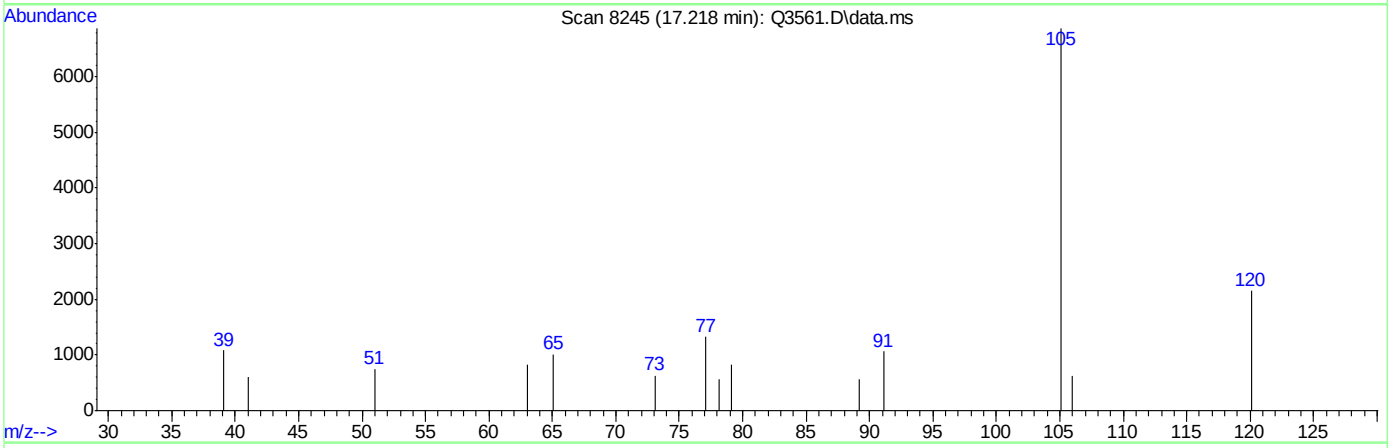
ACCUTEST Laboratories M65503

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3561.D
Acq On    : 30 May 2007   1:09 pm
Operator  : PhilipB
Sample    : IC193-.5 (M007
Misc      : MS13624, MSQ193,,,,,1
ALS Vial  : 2   Sample Multiplier: 1

Quant Time: May 30 13:57:21 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 13:01:34 2007
Response via : Initial Calibration
```



TIC: Q3561.D\data.ms

(65) 4-ETHYLTOLUENE (m)

17.218min (-0.005) 0.50PPBV m

response 10279

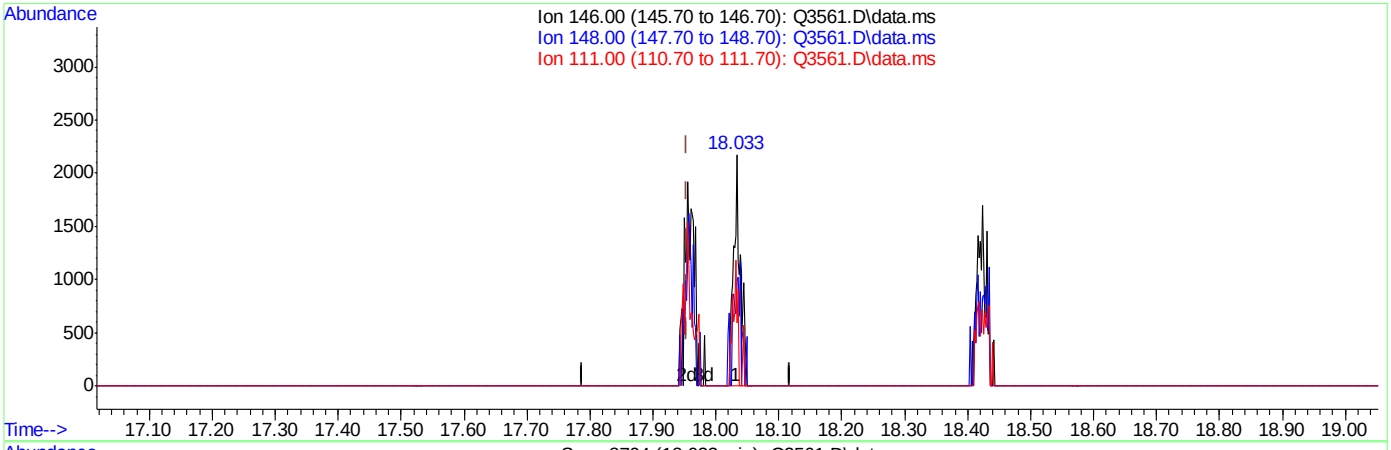
Ion	Exp%	Act%
105.00	100	100
120.00	30.20	46.99
119.00	2.30	9.51
0.00	0.00	0.00

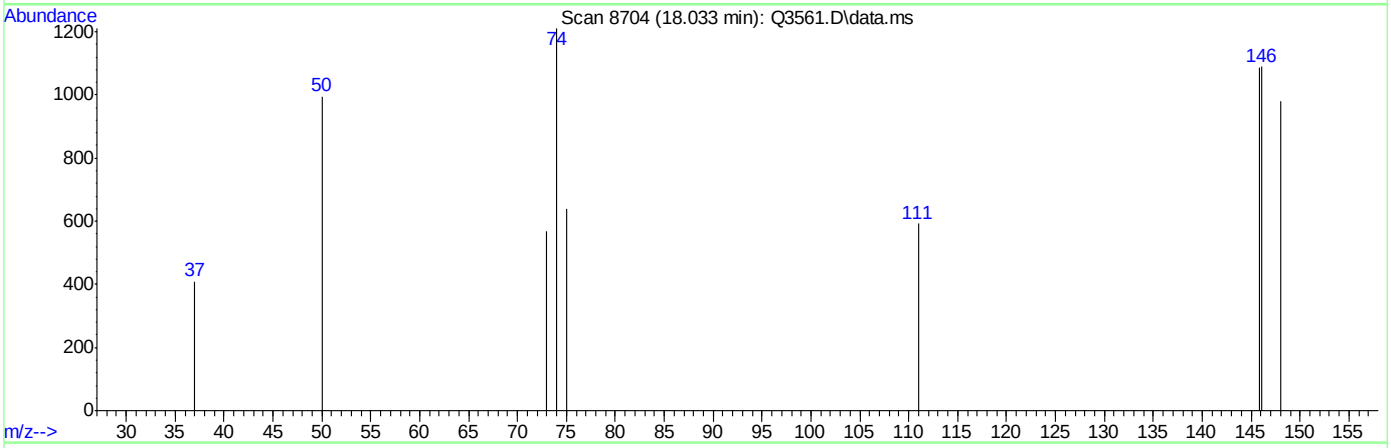
ACCUTEST Laboratories M65503

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3561.D
Acq On : 30 May 2007 1:09 pm
Operator : PhilipB
Sample : IC193-.5 (M007
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 30 13:57:21 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 13:01:34 2007
Response via : Initial Calibration





TIC: Q3561.D\data.ms

(68) m-DICHLOROBENZENE (m)

18.033min (+0.079) 0.25PPBV

response 1647

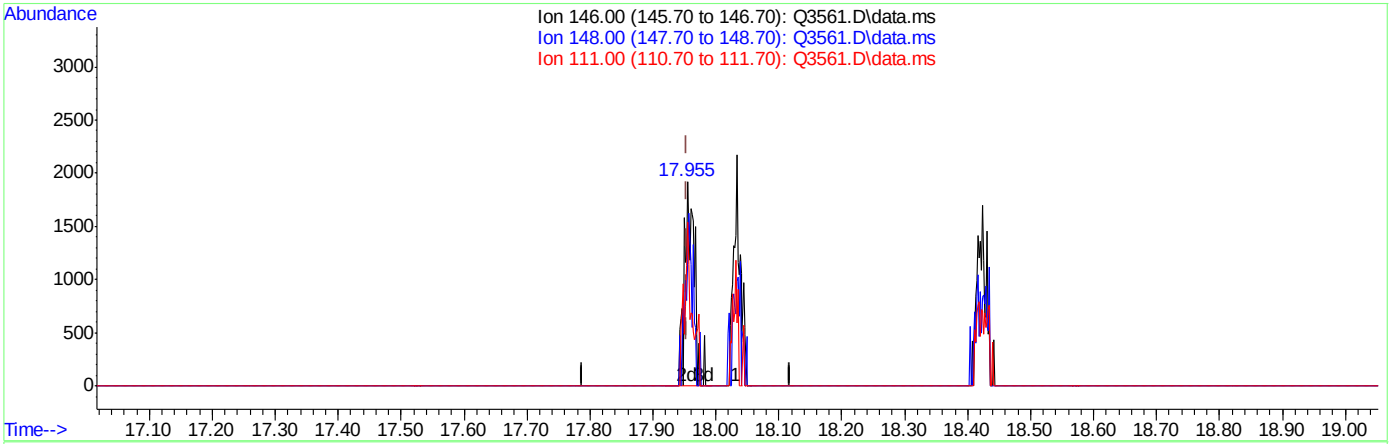
Ion	Exp%	Act%
146.00	100	100
148.00	62.90	61.63
111.00	41.00	36.61
0.00	0.00	0.00

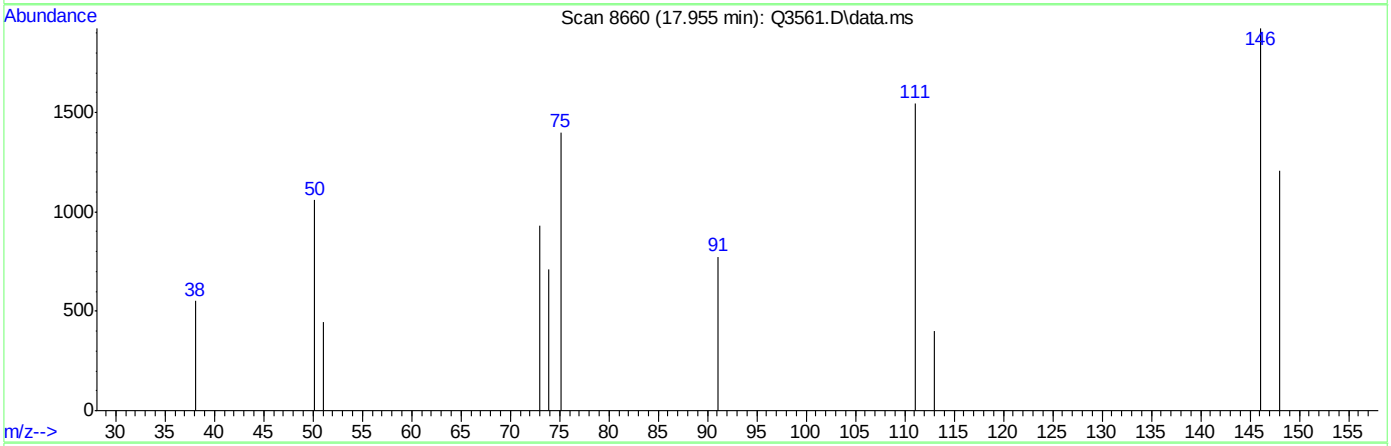
ACCUTEST Laboratories M65503

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3561.D
Acq On : 30 May 2007 1:09 pm
Operator : PhilipB
Sample : IC193-.5 (M007
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 30 13:57:21 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 13:01:34 2007
Response via : Initial Calibration





TIC: Q3561.D\data.ms

(68) m-DICHLOROBENZENE (m)

17.955min (+0.001) 0.31PPBV m

response 2028

Ion	Exp%	Act%
146.00	100	100
148.00	62.90	50.05
111.00	41.00	29.73
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
05/31/07 11:31

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3562.D
Acq On : 30 May 2007 1:51 pm
Operator : PhilipB
Sample : IC193-.2 (M007
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 30 14:27:58 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 13:58:46 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.426	128	37983	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.351	114	185621	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.692	117	151534	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.332	95	80932	4.93	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 98.60%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	3.614	85	7034	0.28	PPBV	78
3) PROPYLENE	3.538	41	1461	0.30	PPBV	92
4) FREON 114	3.872	85	5242	0.27	PPBV #	100
5) CHLOROMETHANE	3.772	50	1661	0.26	PPBV #	42
6) VINYL CHLORIDE	4.008	62	1535	0.28	PPBV #	35
7) 1,3-BUTADIENE	4.136	39	2136m	0.30	PPBV	
8) BROMOMETHANE	4.417	94	1005	0.20	PPBV #	100
9) CHLOROETHANE	4.583	64	361m	0.16	PPBV	
10) TRICHLOROFLUOROMETHANE	5.412	101	7508	0.31	PPBV #	100
11) ISOPROPYL ALCOHOL	5.476	45	6277	0.54	PPBV	80
12) ACETONE	5.215	43	8787	0.54	PPBV	88
13) PENTANE	5.785	42	2004	0.31	PPBV #	100
14) 1,1-DICHLOROETHYLENE	6.087	96	1298m	0.29	PPBV	
15) CARBON DISULFIDE	6.541	76	3284	0.28	PPBV #	40
16) ETHANOL	4.690	45	1032	0.45	PPBV #	100
17) BROMOETHENE	4.954	106	1039	0.23	PPBV #	100
18) METHYLENE CHLORIDE	6.207	84	7704	0.91	PPBV #	1
19) 3-CHLOROPROPENE	6.337	39	2826	0.34	PPBV #	2
20) FREON 113	6.481	151	2276	0.27	PPBV #	100
21) TRANS-1,2-DICHLOROETHY...	7.187	96	914	0.20	PPBV #	100
22) TERTIARY BUTYL ALCOHOL	6.122	59	4142	0.37	PPBV	100
23) METHYL TERTIARY BUTYL ...	7.464	73	5054	0.33	PPBV #	100
24) TETRAHYDROFURAN	8.979	42	2020	0.30	PPBV	100
25) HEXANE	8.470	57	3639	0.47	PPBV #	100
26) VINYL ACETATE	7.542	43	5482	0.33	PPBV #	63
27) 1,1-DICHLOROETHANE	7.393	63	3414m	0.29	PPBV	
28) METHYL ETHYL KETONE	7.821	43	5618	0.37	PPBV	65
29) cis-1,2-DICHLOROETHYLENE	8.255	96	667m	0.17	PPBV	
30) ETHYL ACETATE	8.470	43	8799	0.37	PPBV #	100
31) CHLOROFORM	8.559	83	4384	0.31	PPBV #	100
32) 1,1,1-TRICHLOROETHANE	9.554	97	4585	0.28	PPBV	88
33) CARBON TETRACHLORIDE	10.170	117	4662	0.27	PPBV	89
34) 1,2-DICHLOROETHANE	9.301	62	4018	0.29	PPBV #	68
36) BENZENE	10.009	78	3196m	0.31	PPBV	
37) CYCLOHEXANE	10.287	84	735	0.19	PPBV #	1
38) TRICHLOROETHYLENE	11.051	95	1636	0.25	PPBV #	40
39) 1,2-DICHLOROPROPANE	10.829	63	1194m	0.25	PPBV	
40) BROMODICHLOROMETHANE	11.008	83	3923	0.27	PPBV	91
41) 2,2,4-TRIMETHYLPENTANE	11.083	57	6241	0.28	PPBV #	82
43) HEPTANE	11.335	43	3094	0.29	PPBV #	50
44) METHYL ISOBUTYL KETONE	11.933	43	4154	0.29	PPBV #	67

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3562.D
Acq On : 30 May 2007 1:51 pm
Operator : PhilipB
Sample : IC193-.2 (M007
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 30 14:27:58 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 13:58:46 2007
Response via : Initial Calibration

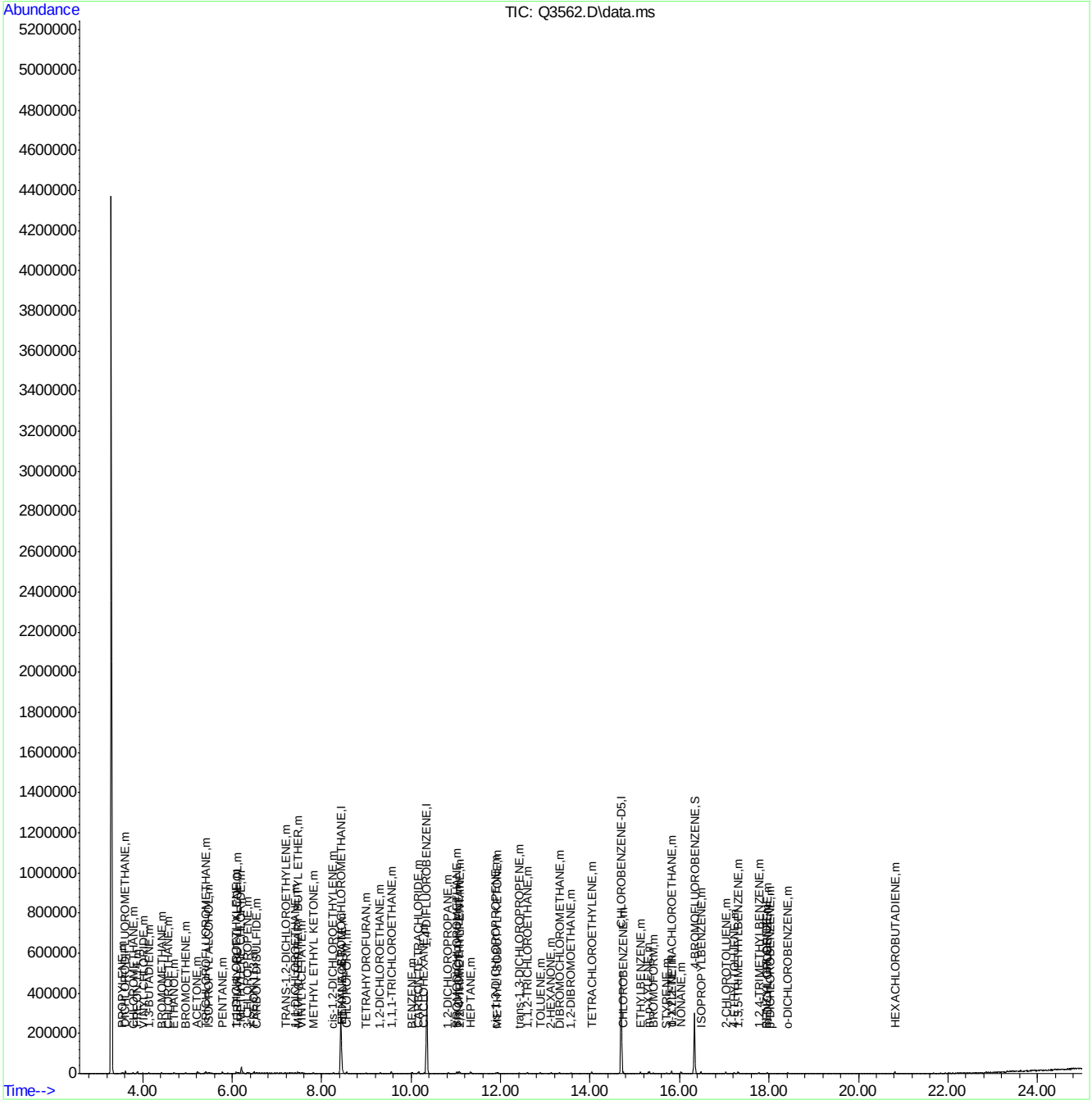
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) cis-1,3-DICHLOROPROPENE	11.899	75	1436m	0.20	PPBV	
46) TOLUENE	12.877	92	1951	0.26	PPBV	88
47) trans-1,3-DICHLOROPROPENE	12.421	75	1136	0.16	PPBV #	43
48) 1,1,2-TRICHLOROETHANE	12.604	83	885m	0.20	PPBV	
50) 2-HEXANONE	13.127	43	3293	0.33	PPBV #	64
51) TETRACHLOROETHYLENE	14.039	164	694m	0.15	PPBV	
52) DIBROMOCHLOROMETHANE	13.321	129	2299	0.21	PPBV #	80
53) 1,2-DIBROMOETHANE	13.571	107	1934	0.25	PPBV #	70
54) CHLOROBENZENE	14.739	112	2136	0.24	PPBV #	73
55) ETHYLBENZENE	15.129	91	4759	0.26	PPBV	78
56) m,p-XYLENE	15.301	106	2902m	0.47	PPBV	
57) o-XYLENE	15.821	106	1396	0.22	PPBV #	9
58) STYRENE	15.708	104	1287	0.18	PPBV #	66
59) NONANE	16.032	43	4331	0.28	PPBV #	66
60) BROMOFORM	15.415	173	1446m	0.18	PPBV	
62) 1,1,2,2-TETRACHLOROETHANE	15.819	83	2881	0.36	PPBV #	65
63) ISOPROPYLBENZENE	16.476	105	4926	0.24	PPBV	76
64) 2-CHLOROTOLUENE	17.033	91	3615	0.23	PPBV	75
65) 4-ETHYLTOLUENE	17.223	105	3670m	0.22	PPBV	
66) 1,3,5-TRIMETHYLBENZENE	17.310	105	3542	0.22	PPBV	86
67) 1,2,4-TRIMETHYLBENZENE	17.768	105	3292	0.25	PPBV	79
68) m-DICHLOROBENZENE	17.960	146	787m	0.15	PPBV	
69) BENZYL CHLORIDE	17.944	91	474m	0.09	PPBV	
70) p-DICHLOROBENZENE	18.040	146	477m	0.11	PPBV	
71) o-DICHLOROBENZENE	18.416	146	960	0.23	PPBV #	68
72) HEXACHLOROBUTADIENE	20.814	225	985	0.65	PPBV #	42

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3562.D
Acq On : 30 May 2007 1:51 pm
Operator : PhilipB
Sample : IC193-.2 (M007
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 2 Sample Multiplier: 1

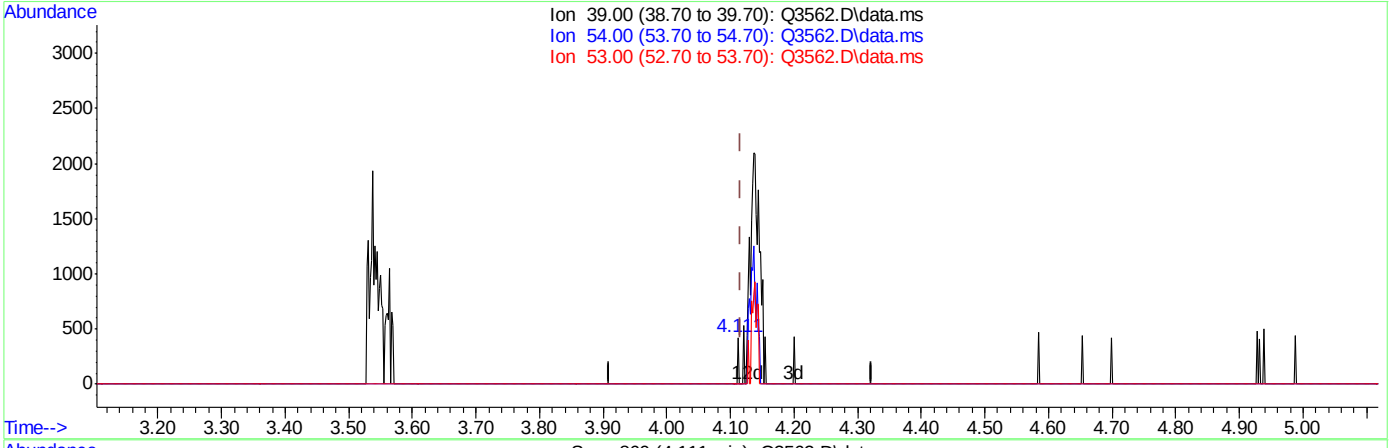
Quant Time: May 30 14:27:58 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 13:58:46 2007
Response via : Initial Calibration

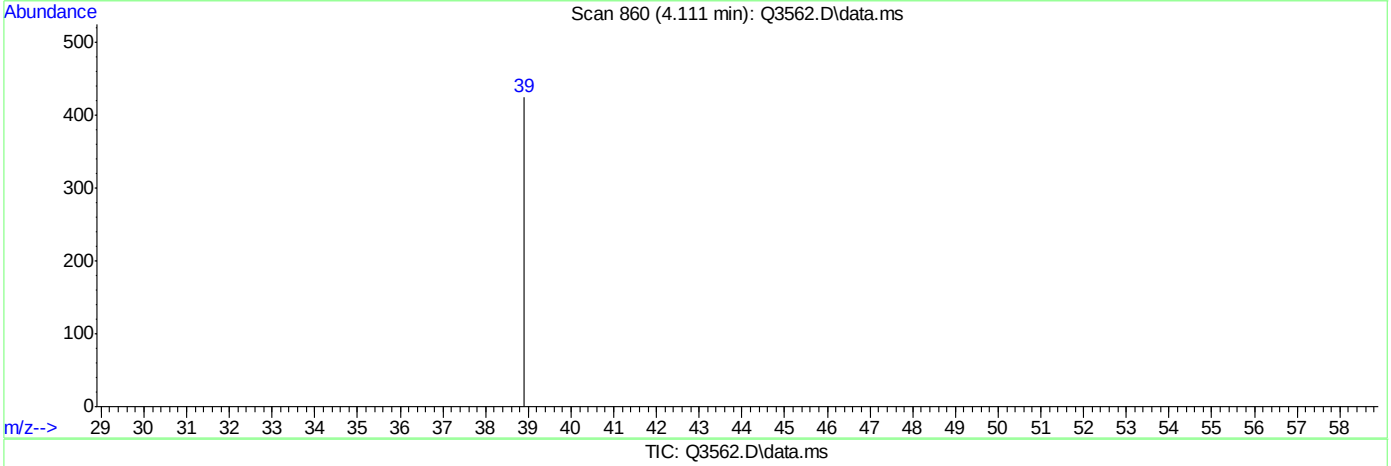


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3562.D
Acq On : 30 May 2007 1:51 pm
Operator : PhilipB
Sample : IC193-.2 (M007
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 30 14:25:01 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 13:58:46 2007
Response via : Initial Calibration





TIC: Q3562.D\data.ms

(7) 1,3-BUTADIENE (m)

4.111min (-0.005) 0.01PPBV

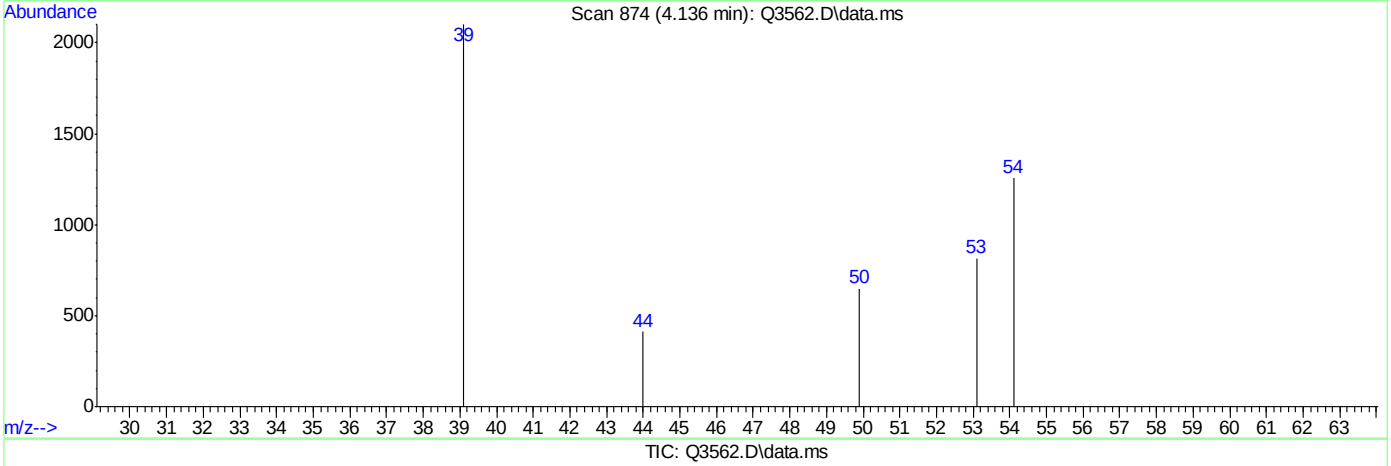
response 45

Ion	Exp%	Act%
39.00	100	100
54.00	0.00	0.00
53.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3562.D
Acq On    : 30 May 2007   1:51 pm
Operator  : PhilipB
Sample    : IC193-.2 (M007
Misc      : MS13624, MSQ193,,,,,1
ALS Vial  : 2   Sample Multiplier: 1

Quant Time: May 30 14:25:01 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 13:58:46 2007
Response via : Initial Calibration
```



TIC: Q3562.D\data.ms

(7) 1,3-BUTADIENE (m)

4.136min (+0.019) 0.30PPBV m

response 2136

Ion	Exp%	Act%
39.00	100	100
54.00	0.00	0.00
53.00	0.00	0.00
0.00	0.00	0.00

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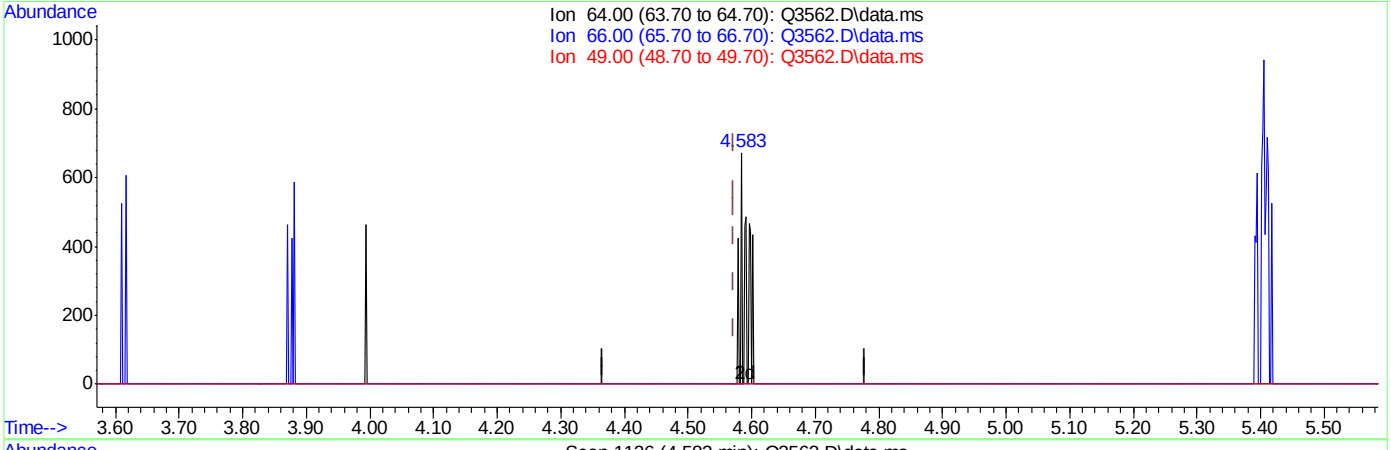
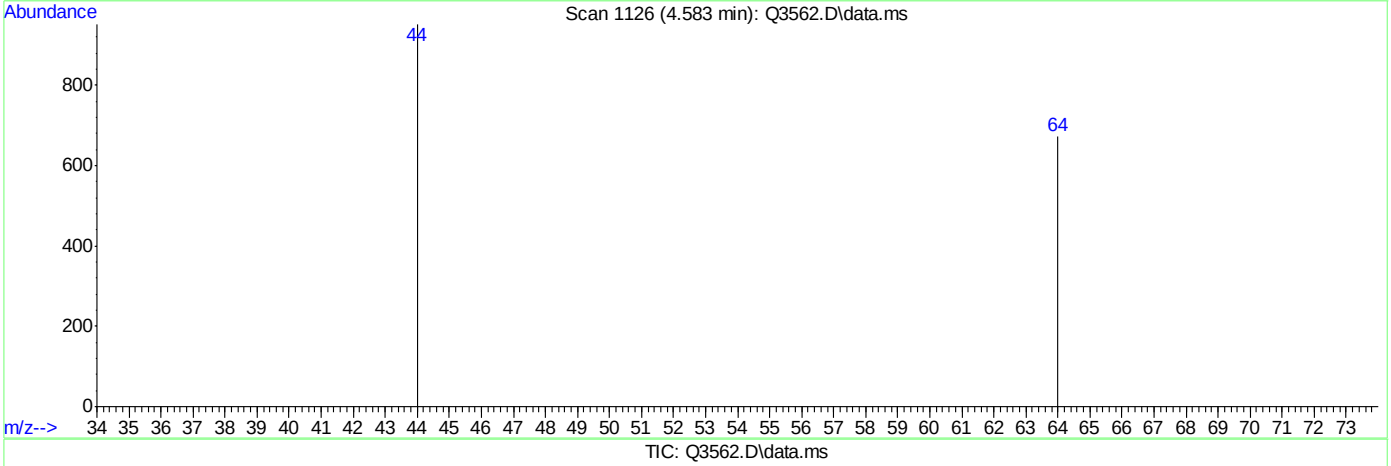
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3562.D
Acq On : 30 May 2007 1:51 pm
Operator : PhilipB
Sample : IC193-.2 (M007
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 30 14:25:01 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 13:58:46 2007
Response via : Initial Calibration





TIC: Q3562.D\data.ms

(9) CHLOROETHANE (m)

4.583min (+0.011) 0.05PPBV

response 117

Ion	Exp%	Act%
64.00	100	100
66.00	0.00	0.00
49.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3562.D
Acq On : 30 May 2007 1:51 pm
Operator : PhilipB
Sample : IC193-.2 (M007
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 30 14:25:01 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
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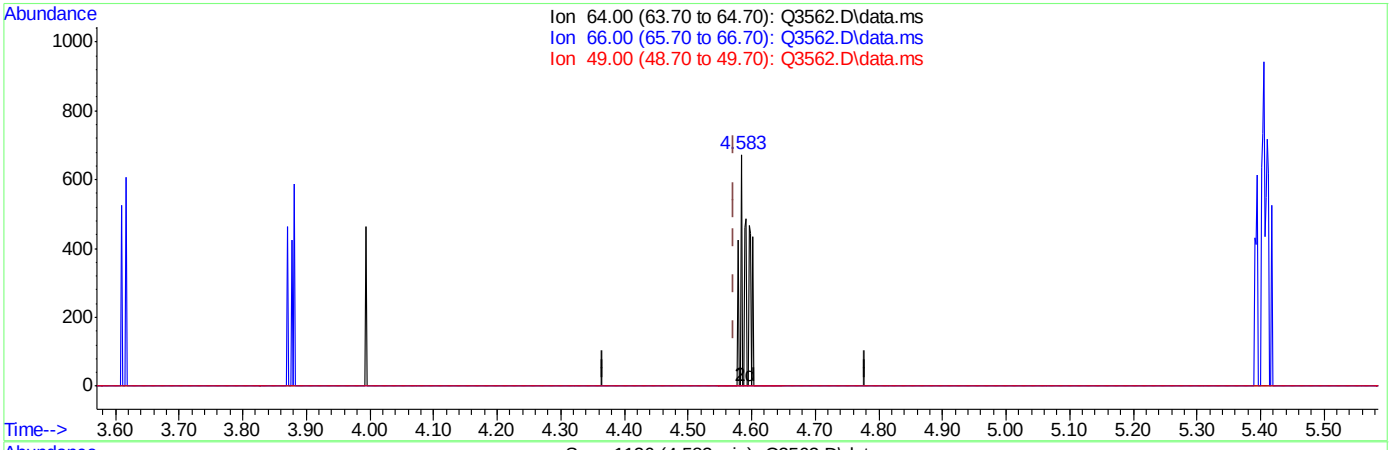
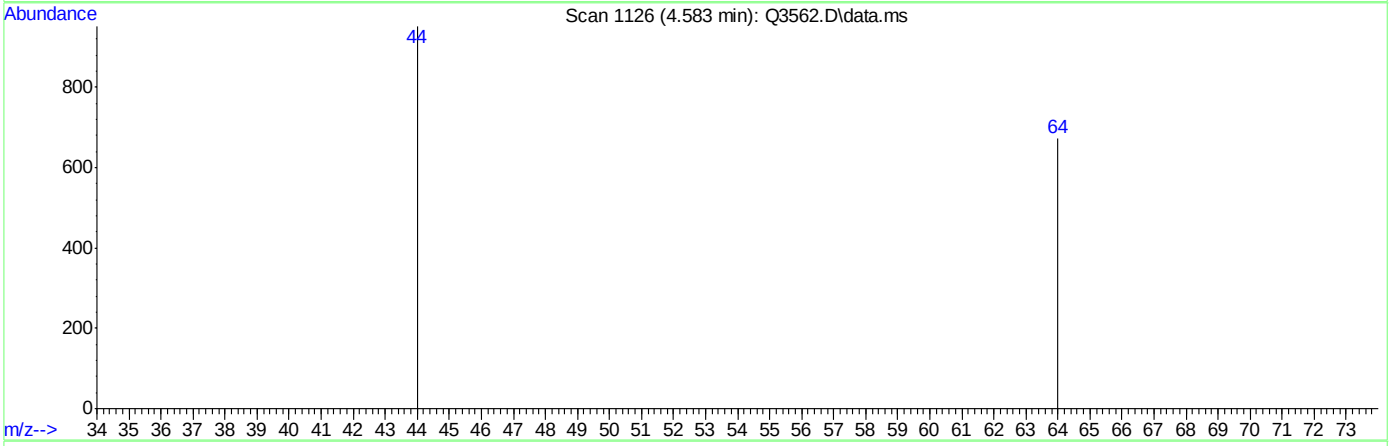
QLast Update : Wed May 30 13:58:46 2007
Response via : Initial Calibration





TIC: Q3562.D\data.ms

(9) CHLOROETHANE (m)

4.583min (+0.011) 0.16PPBV m

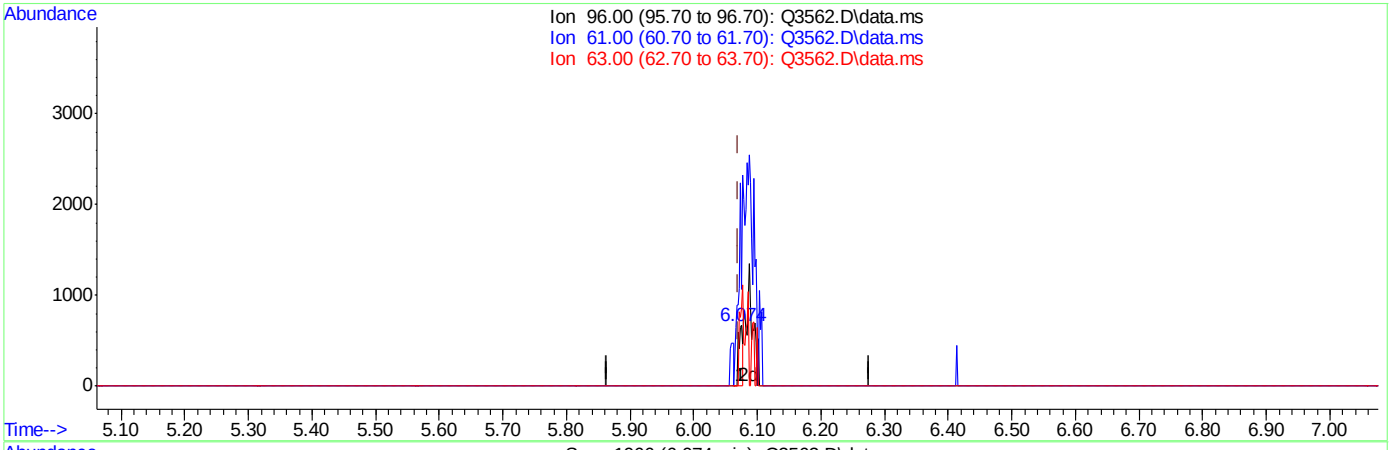
response 361

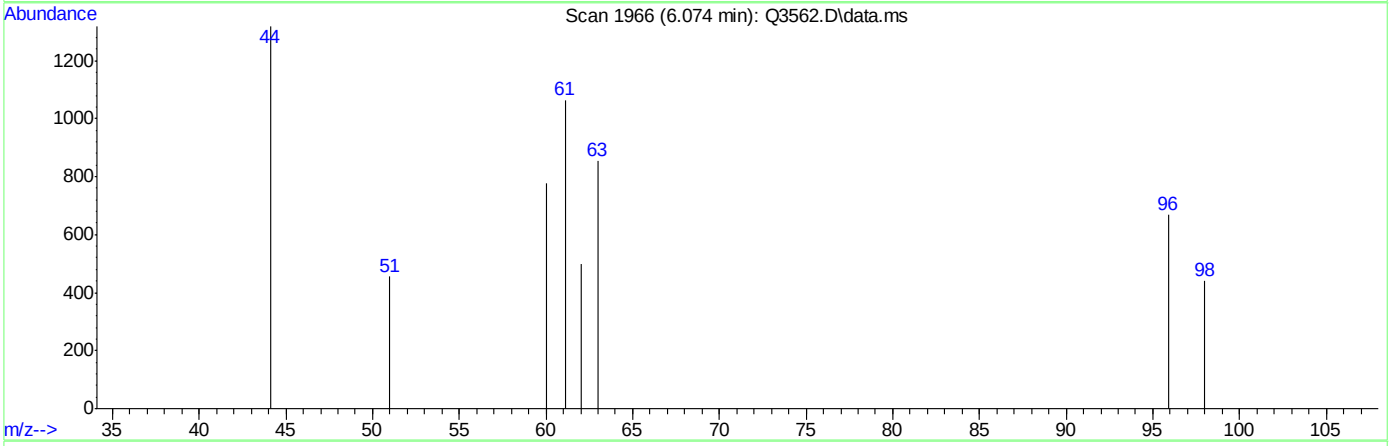
Ion	Exp%	Act%
64.00	100	100
66.00	0.00	0.00
49.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3562.D
Acq On : 30 May 2007 1:51 pm
Operator : PhilipB
Sample : IC193-.2 (M007
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 30 14:25:01 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 13:58:46 2007
Response via : Initial Calibration





TIC: Q3562.D\data.ms

(14) 1,1-DICHLOROETHYLENE (m)

6.074min (+0.003) 0.07PPBV

response 296

Ion	Exp%	Act%
96.00	100	100
61.00	0.10	515.54#
63.00	0.00	245.95#
0.00	0.00	0.00

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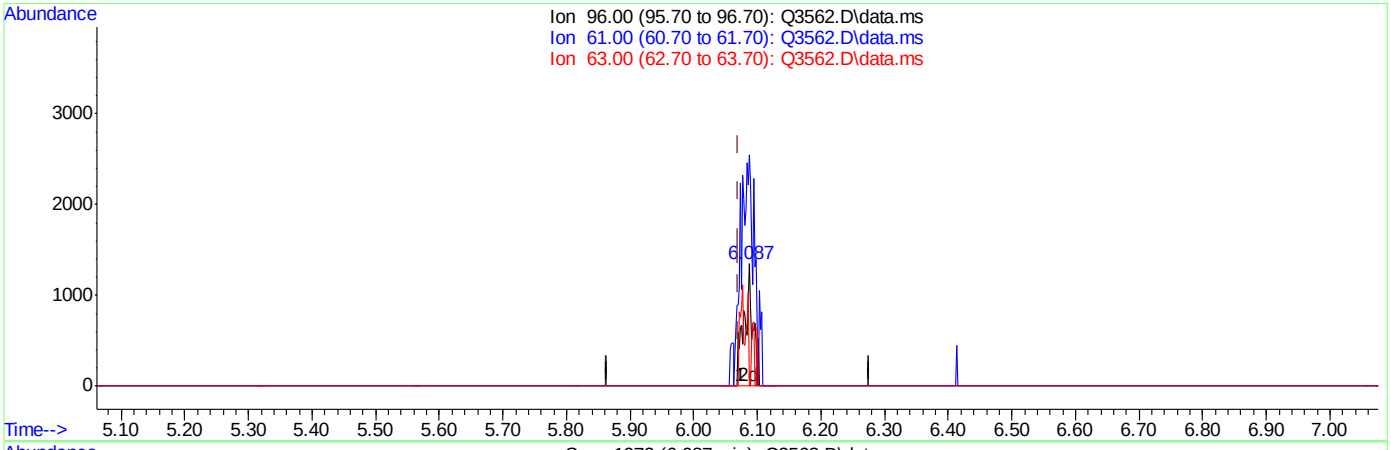
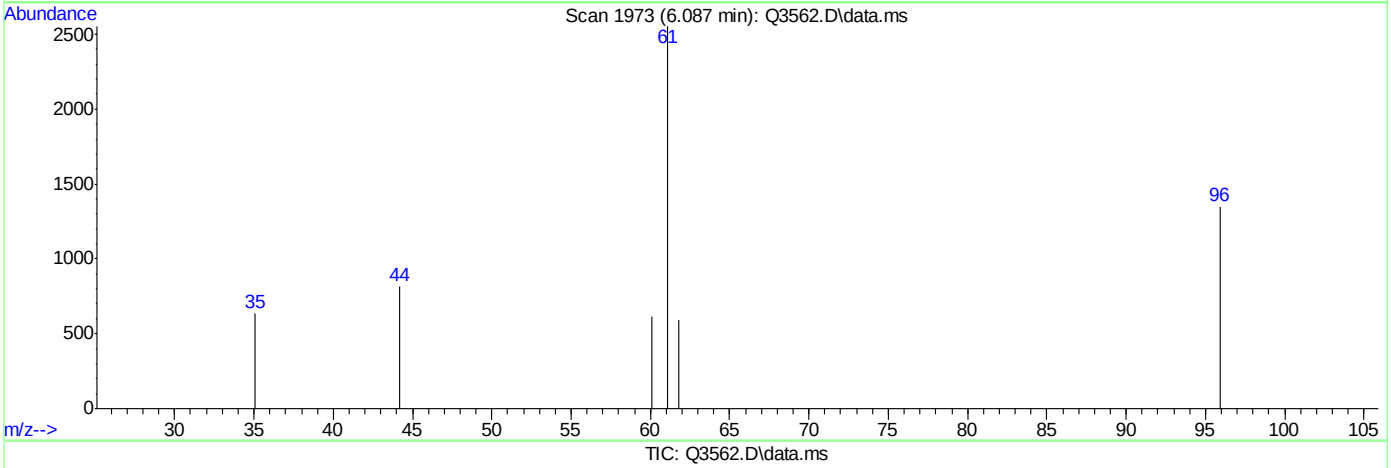
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3562.D
Acq On : 30 May 2007 1:51 pm
Operator : PhilipB
Sample : IC193-.2 (M007
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 30 14:25:01 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 13:58:46 2007
Response via : Initial Calibration





TIC: Q3562.D\data.ms

(14) 1,1-DICHLOROETHYLENE (m)

6.087min (+0.016) 0.29PPBV m

response 1298

Ion	Exp%	Act%
96.00	100	100
61.00	0.10	117.57#
63.00	0.00	56.09#
0.00	0.00	0.00

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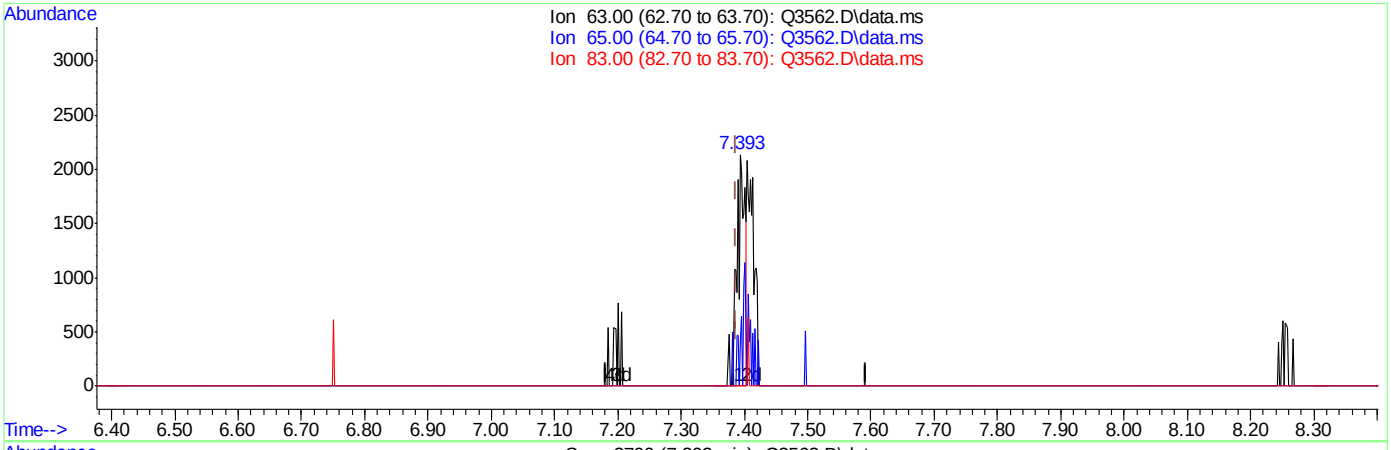
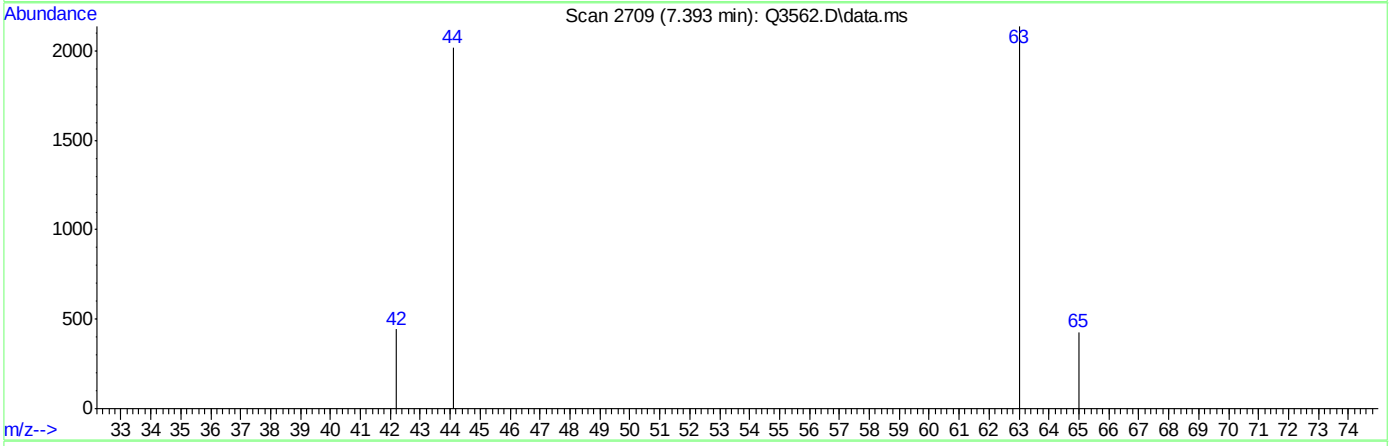
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3562.D
Acq On : 30 May 2007 1:51 pm
Operator : PhilipB
Sample : IC193-.2 (M007
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 30 14:25:01 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 13:58:46 2007
Response via : Initial Calibration





TIC: Q3562.D\data.ms

(27) 1,1-DICHLOROETHANE (m)

7.393min (+0.005) 0.15PPBV

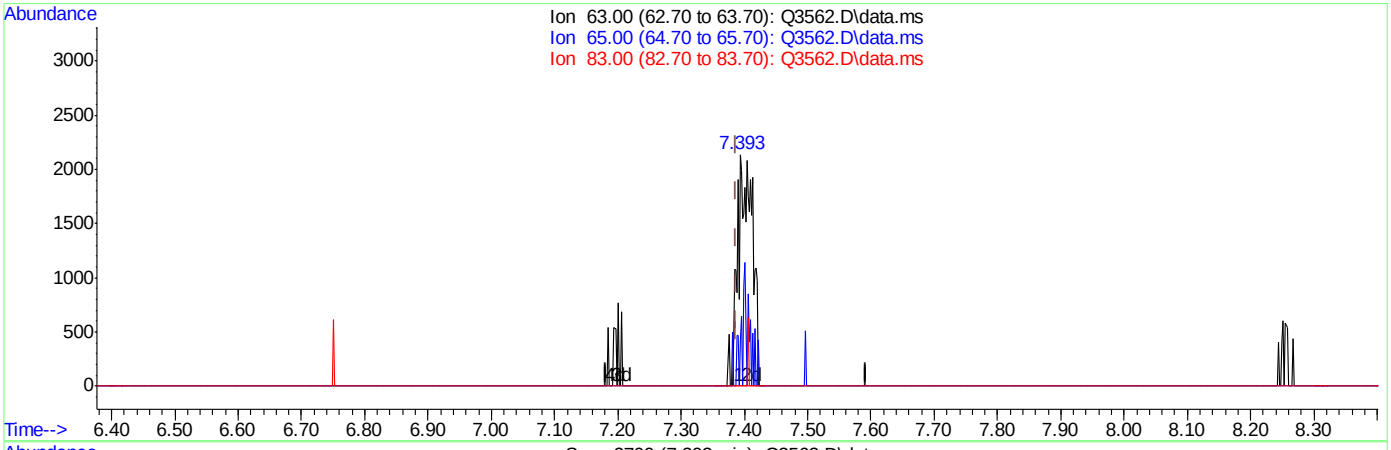
response 1783

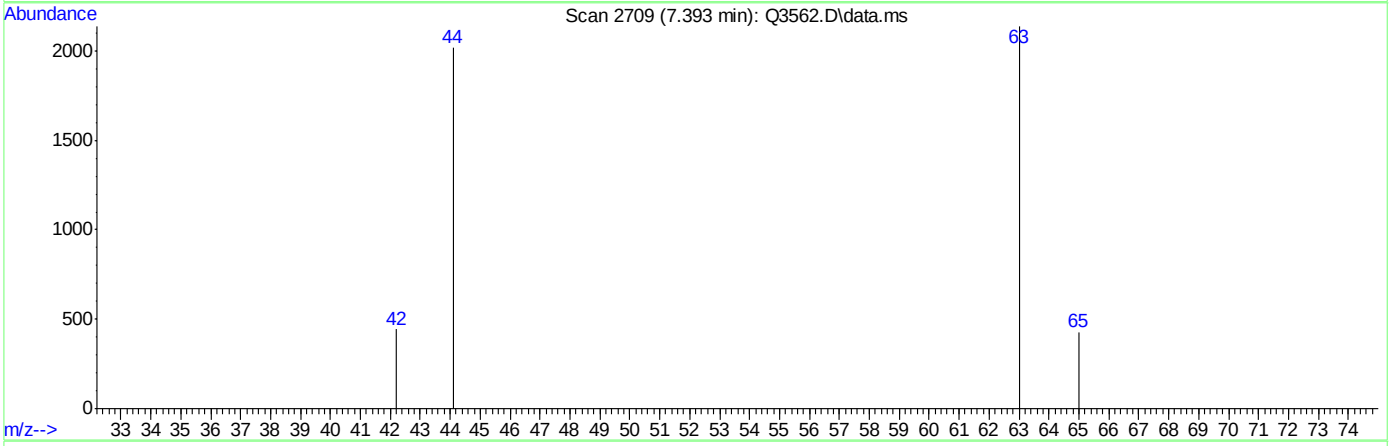
Ion	Exp%	Act%
63.00	100	100
65.00	0.00	2.97
83.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3562.D
Acq On : 30 May 2007 1:51 pm
Operator : PhilipB
Sample : IC193-.2 (M007
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 30 14:25:01 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 13:58:46 2007
Response via : Initial Calibration





TIC: Q3562.D\data.ms

(27) 1,1-DICHLOROETHANE (m)

7.393min (+0.005) 0.29PPBV m

response 3414

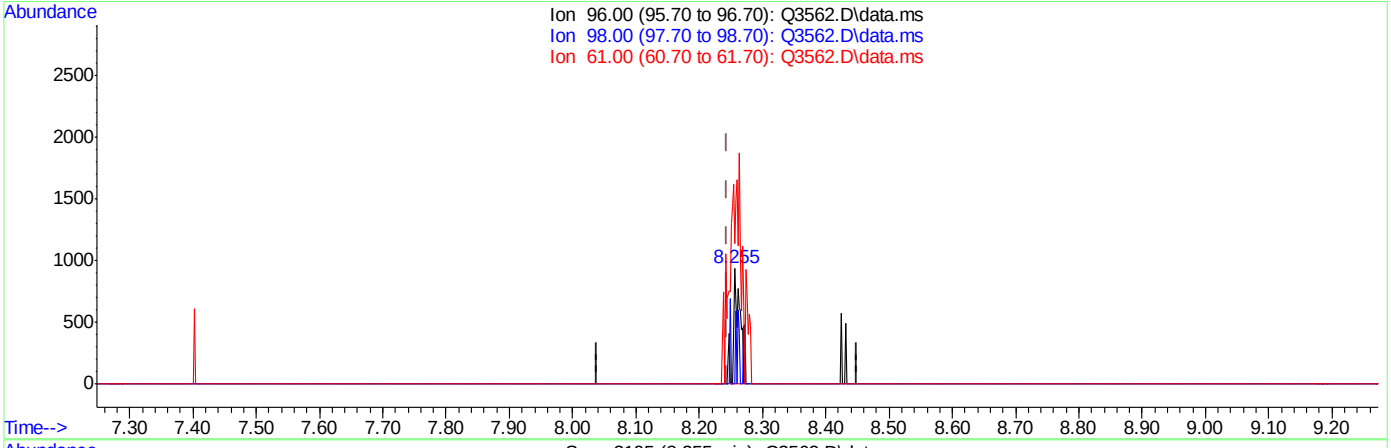
Ion	Exp%	Act%
63.00	100	100
65.00	0.00	1.55
83.00	0.00	0.00
0.00	0.00	0.00

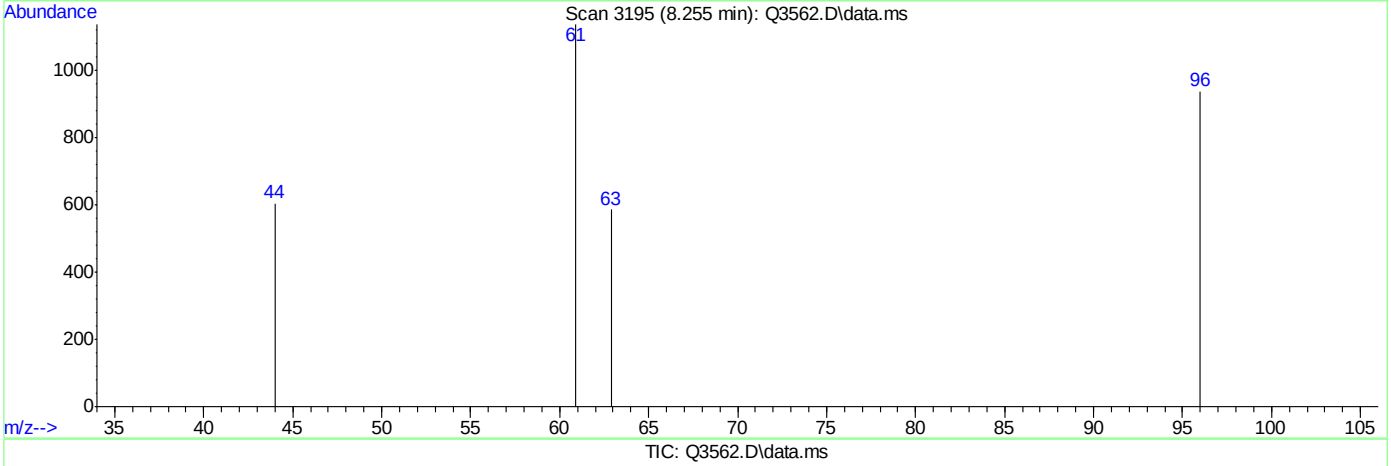
ACCUTEST Laboratories M65503

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3562.D
Acq On : 30 May 2007 1:51 pm
Operator : PhilipB
Sample : IC193-.2 (M007
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 30 14:25:01 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 13:58:46 2007
Response via : Initial Calibration





TIC: Q3562.D\data.ms

(29) cis-1,2-DICHLOROETHYLENE (m)

8.255min (+0.011) 0.16PPBV

response 623

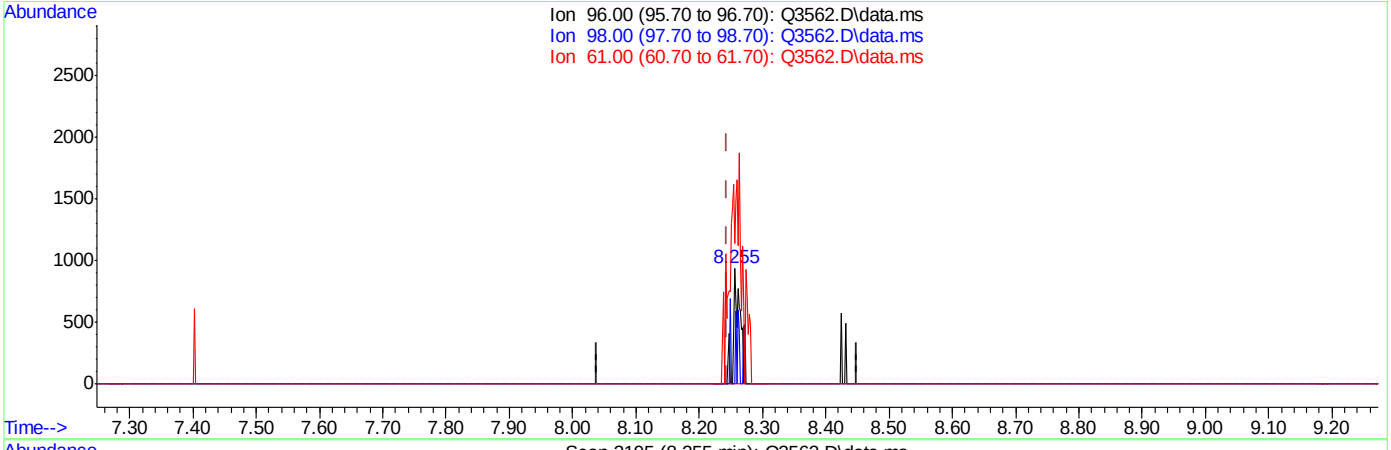
Ion	Exp%	Act%
96.00	100	100
98.00	0.00	17.34
61.00	0.00	179.61#
0.00	0.00	0.00

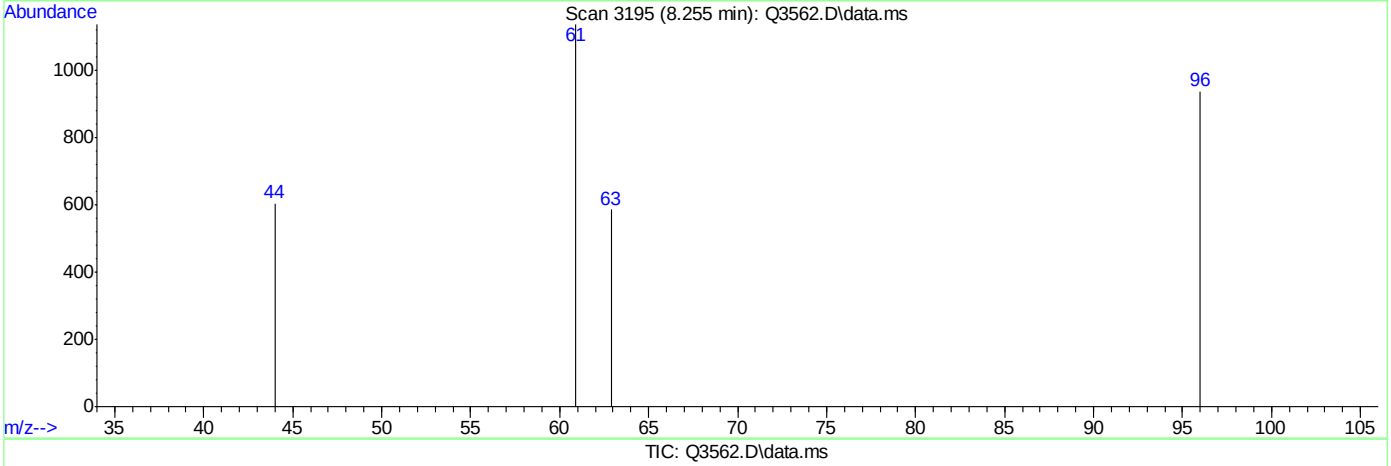
ACCUTEST Laboratories M65503

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3562.D
Acq On : 30 May 2007 1:51 pm
Operator : PhilipB
Sample : IC193-.2 (M007
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 30 14:25:01 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 13:58:46 2007
Response via : Initial Calibration





TIC: Q3562.D\data.ms

(29) cis-1,2-DICHLOROETHYLENE (m)

8.255min (+0.011) 0.17PPBV m

response 667

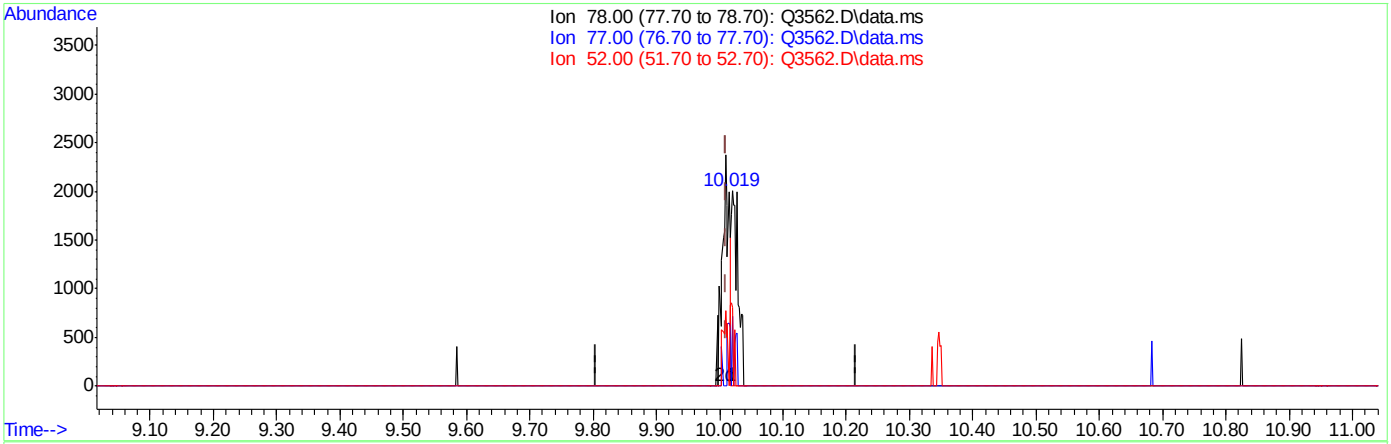
Ion	Exp%	Act%
96.00	100	100
98.00	0.00	16.19
61.00	0.00	167.77#
0.00	0.00	0.00

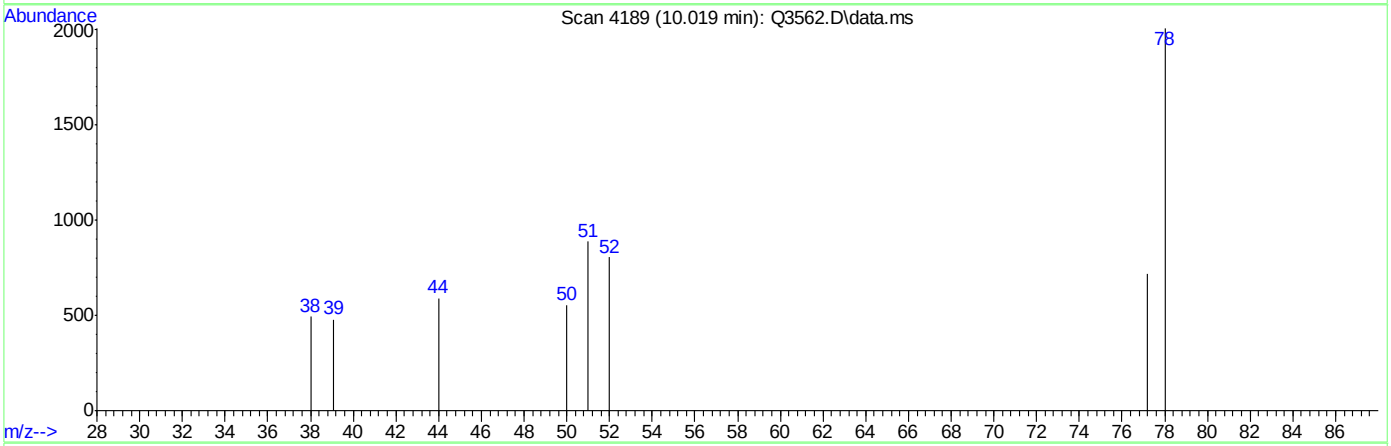
ACCUTEST Laboratories M65503

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3562.D
Acq On : 30 May 2007 1:51 pm
Operator : PhilipB
Sample : IC193-.2 (M007
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 30 14:25:01 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 13:58:46 2007
Response via : Initial Calibration





TIC: Q3562.D\data.ms

(36) BENZENE (m)

10.019min (+0.009) 0.15PPBV

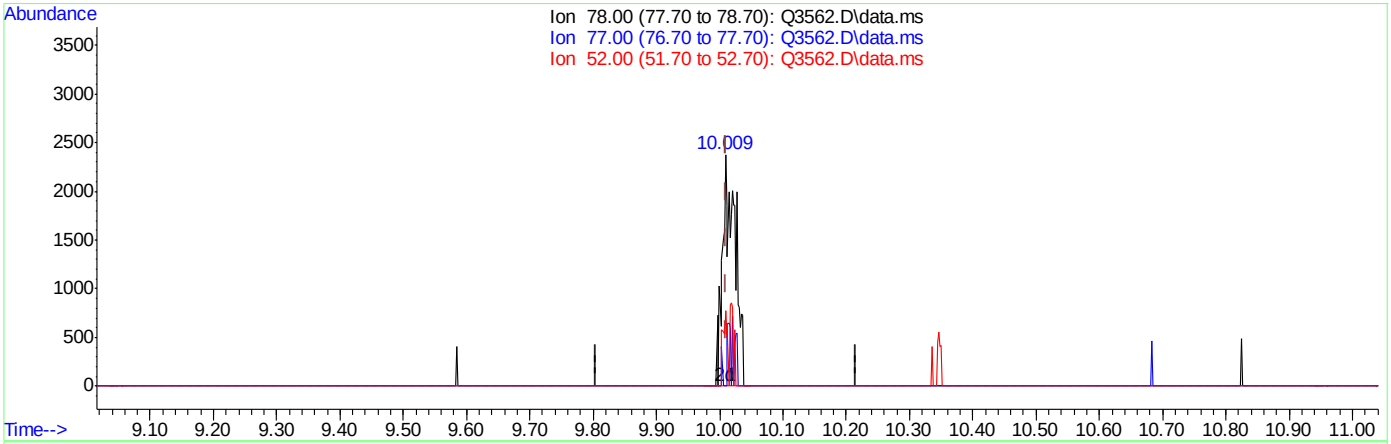
response 1509

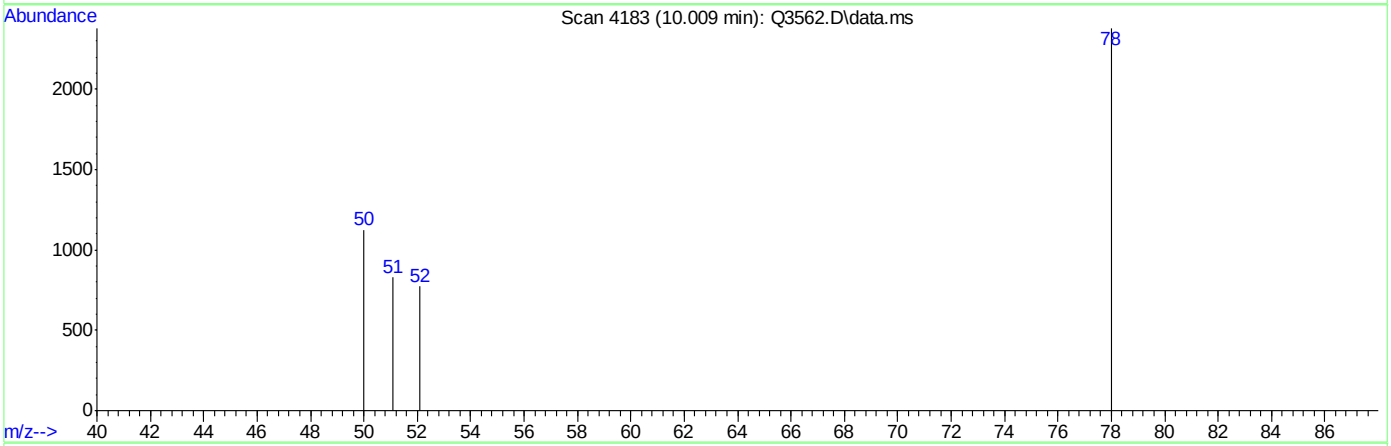
Ion	Exp%	Act%
78.00	100	100
77.00	23.10	29.09
52.00	18.10	47.05#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3562.D
Acq On : 30 May 2007 1:51 pm
Operator : PhilipB
Sample : IC193-.2 (M007
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 30 14:25:01 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 13:58:46 2007
Response via : Initial Calibration





TIC: Q3562.D\data.ms

(36) BENZENE (m)

10.009min (-0.002) 0.31PPBV m

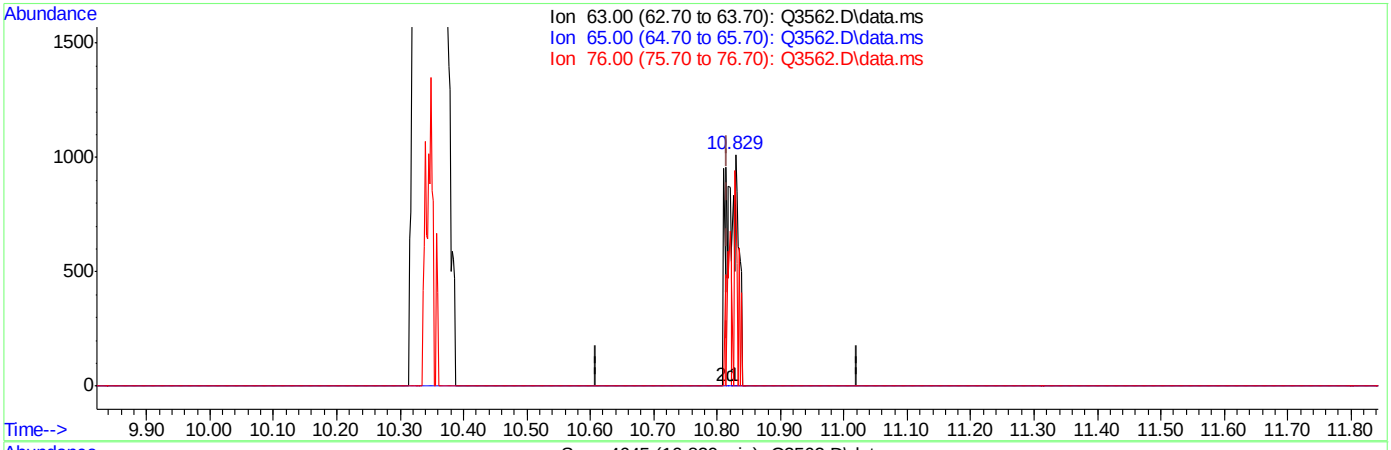
response 3196

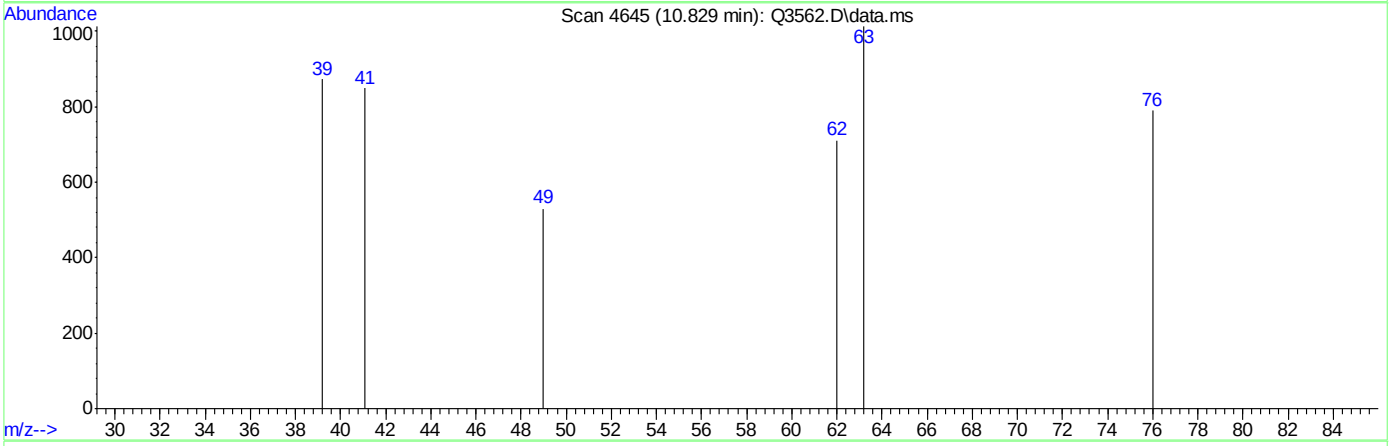
Ion	Exp%	Act%
78.00	100	100
77.00	23.10	13.74
52.00	18.10	22.22
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3562.D
Acq On : 30 May 2007 1:51 pm
Operator : PhilipB
Sample : IC193-.2 (M007
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 30 14:25:01 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 13:58:46 2007
Response via : Initial Calibration





TIC: Q3562.D\data.ms

(39) 1,2-DICHLOROPROPANE (m)

10.829min (+0.012) 0.13PPBV

response 646

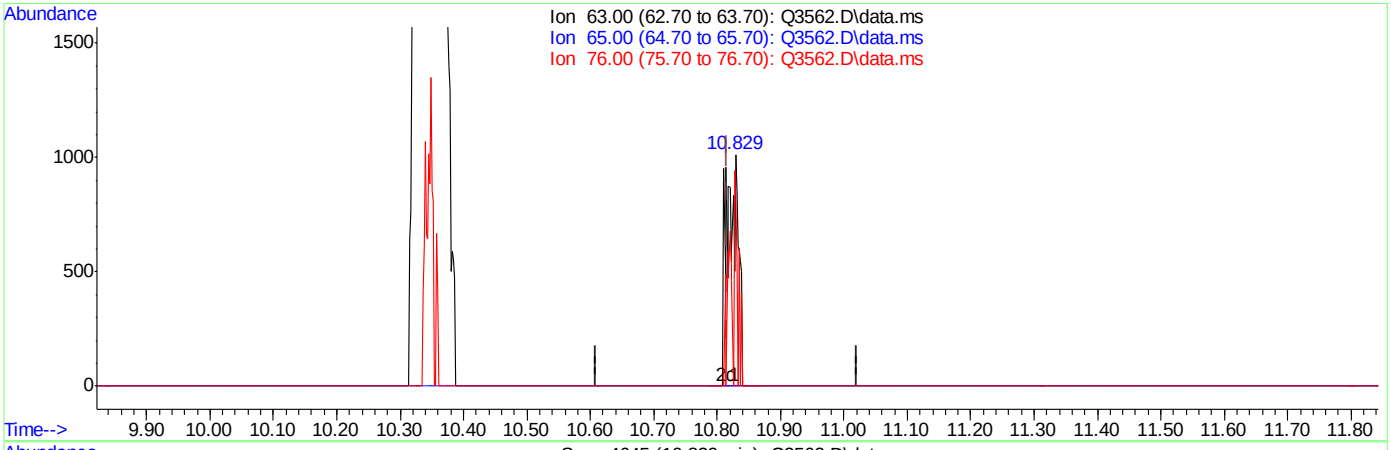
Ion	Exp%	Act%
63.00	100	100
65.00	30.30	0.00#
76.00	92.00	0.00#
0.00	0.00	0.00

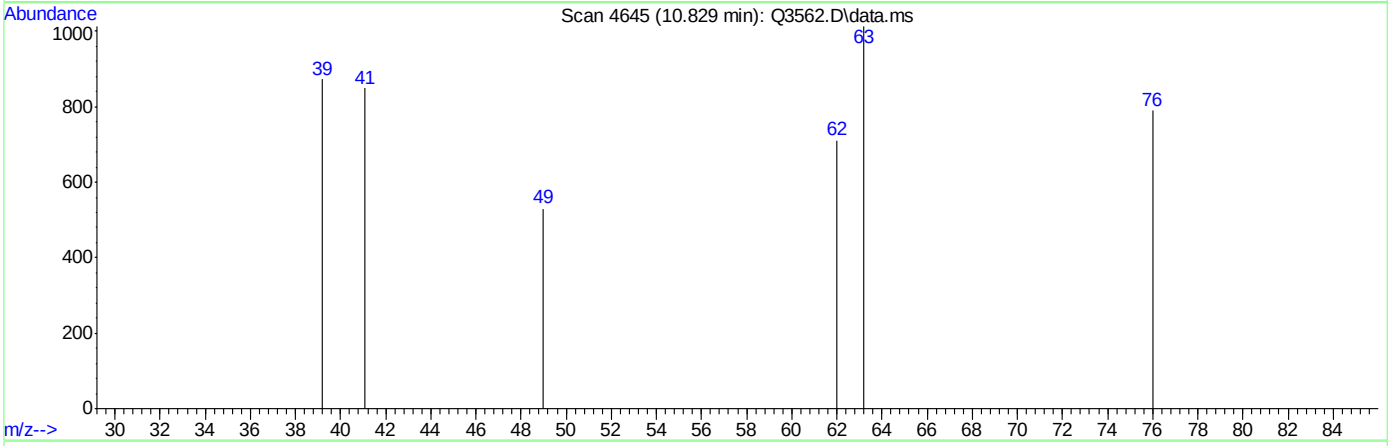
ACCUTEST Laboratories M65503

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3562.D
Acq On : 30 May 2007 1:51 pm
Operator : PhilipB
Sample : IC193-.2 (M007
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 30 14:25:01 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 13:58:46 2007
Response via : Initial Calibration





TIC: Q3562.D\data.ms

(39) 1,2-DICHLOROPROPANE (m)

10.829min (+0.012) 0.25PPBV m

response 1194

Ion	Exp%	Act%
63.00	100	100
65.00	30.30	0.00#
76.00	92.00	0.00#
0.00	0.00	0.00

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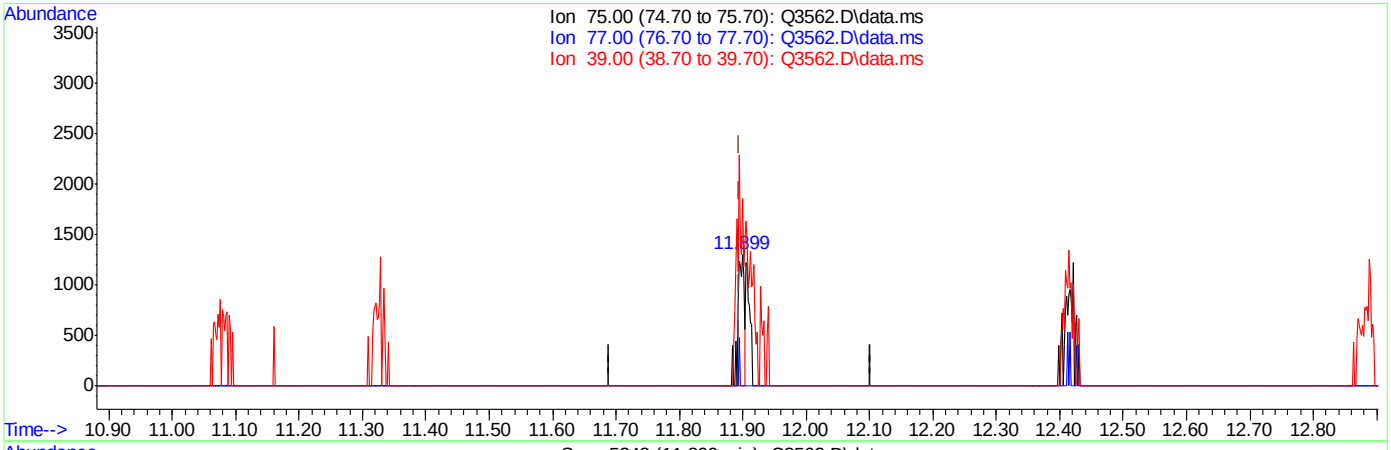
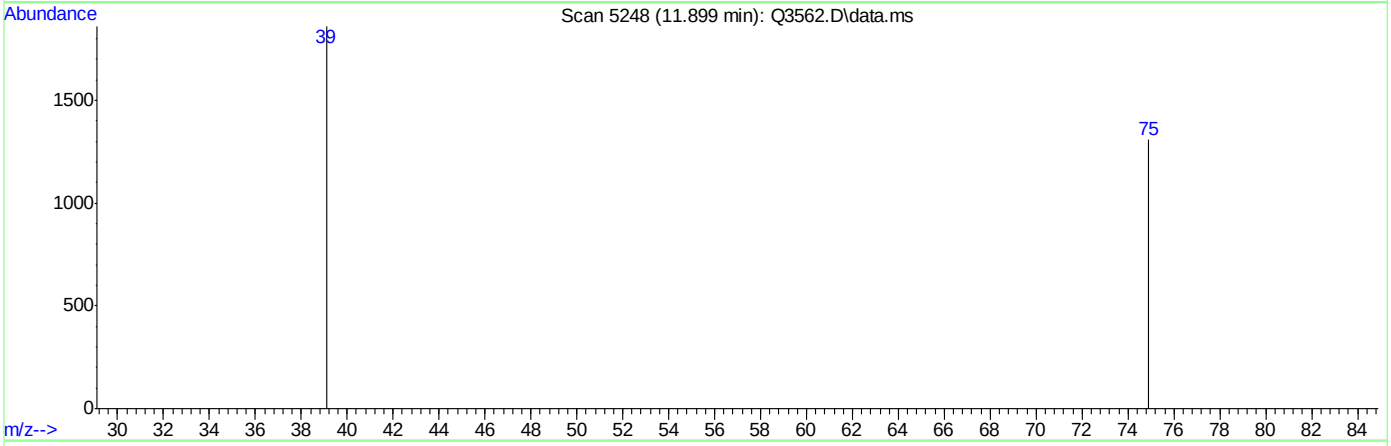
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3562.D
Acq On : 30 May 2007 1:51 pm
Operator : PhilipB
Sample : IC193-.2 (M007
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 30 14:25:01 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 13:58:46 2007
Response via : Initial Calibration





TIC: Q3562.D\data.ms

(45) cis-1,3-DICHLOROPROPENE (m)

11.899min (+0.004) 0.12PPBV

response 871

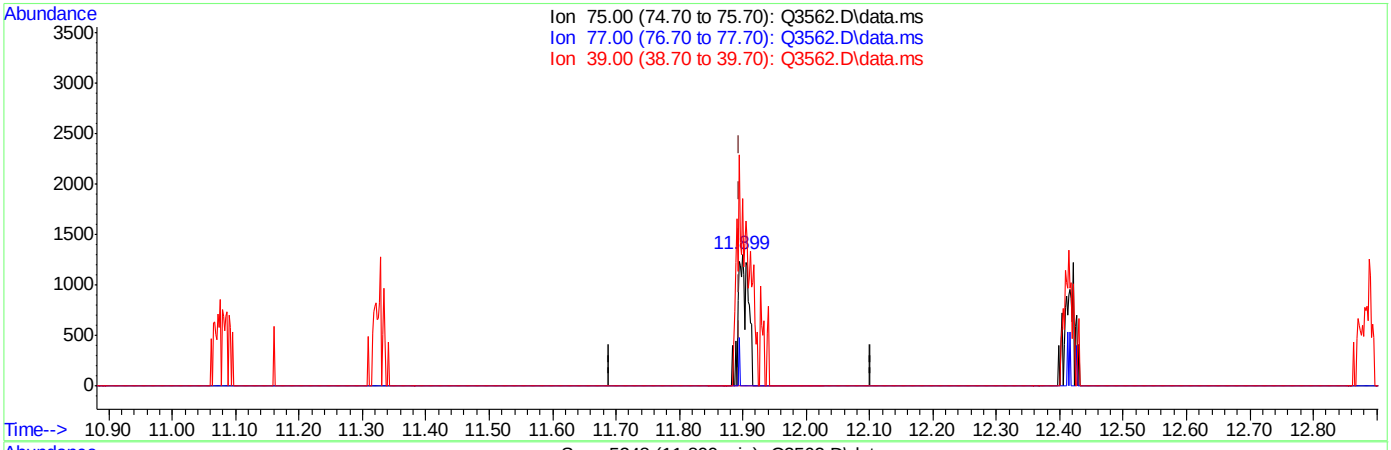
Ion	Exp%	Act%
75.00	100	100
77.00	30.90	0.00#
39.00	108.70	316.65#
0.00	0.00	0.00

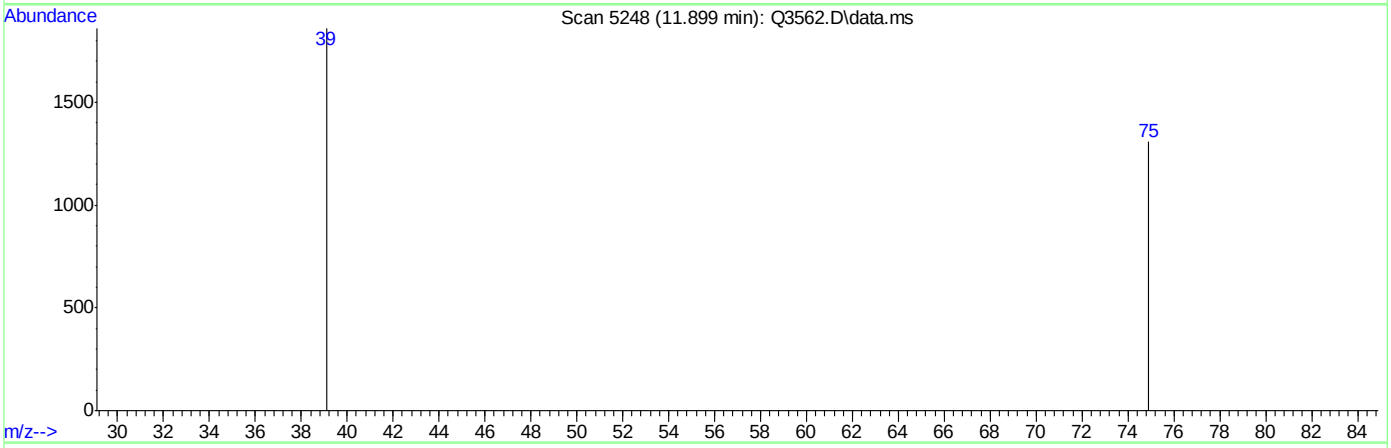
ACCUTEST Laboratories M65503

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3562.D
Acq On : 30 May 2007 1:51 pm
Operator : PhilipB
Sample : IC193-.2 (M007
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 30 14:25:01 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 13:58:46 2007
Response via : Initial Calibration





TIC: Q3562.D\data.ms

(45) cis-1,3-DICHLOROPROPENE (m)

11.899min (+0.004) 0.20PPBV m

response 1436

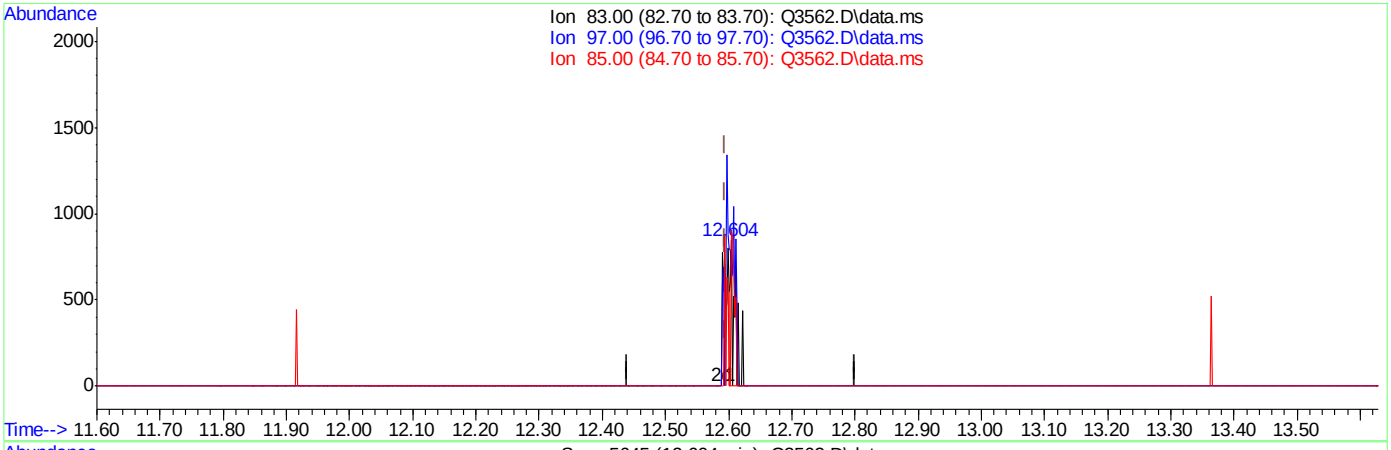
Ion	Exp%	Act%
75.00	100	100
77.00	30.90	0.00#
39.00	108.70	192.06#
0.00	0.00	0.00

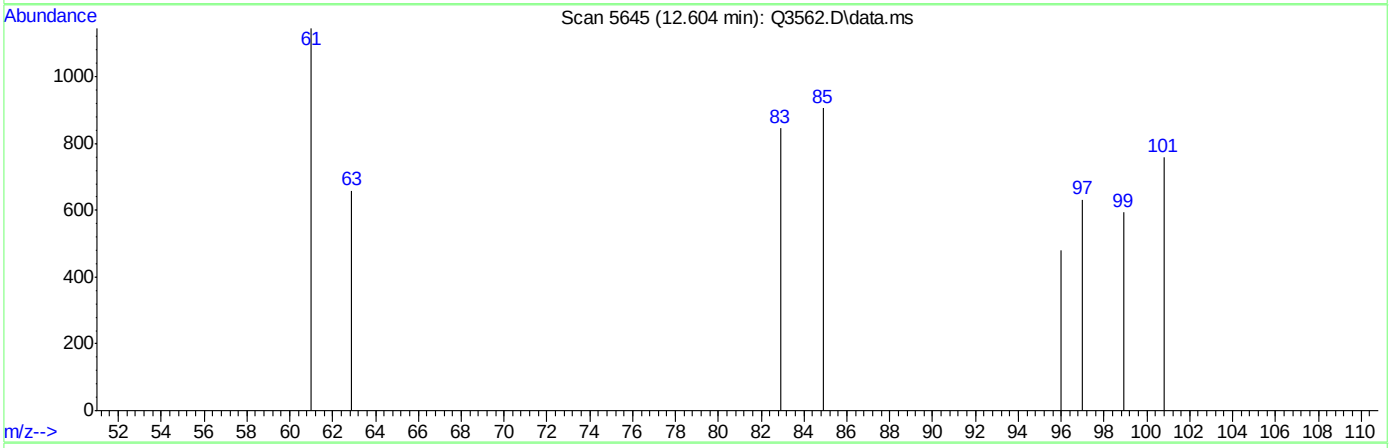
ACCUTEST Laboratories M65503

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3562.D
Acq On : 30 May 2007 1:51 pm
Operator : PhilipB
Sample : IC193-.2 (M007
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 30 14:25:01 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 13:58:46 2007
Response via : Initial Calibration





TIC: Q3562.D\data.ms

(48) 1,1,2-TRICHLOROETHANE (m)

12.604min (+0.009) 0.10PPBV

response 422

Ion	Exp%	Act%
83.00	100	100
97.00	121.10	0.00#
85.00	65.40	84.83
0.00	0.00	0.00

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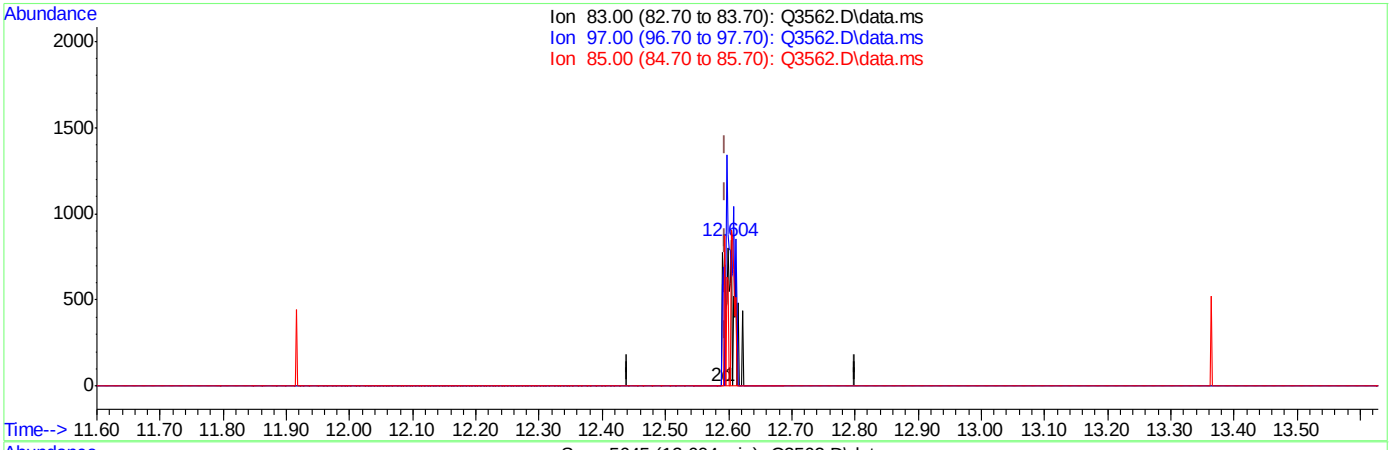
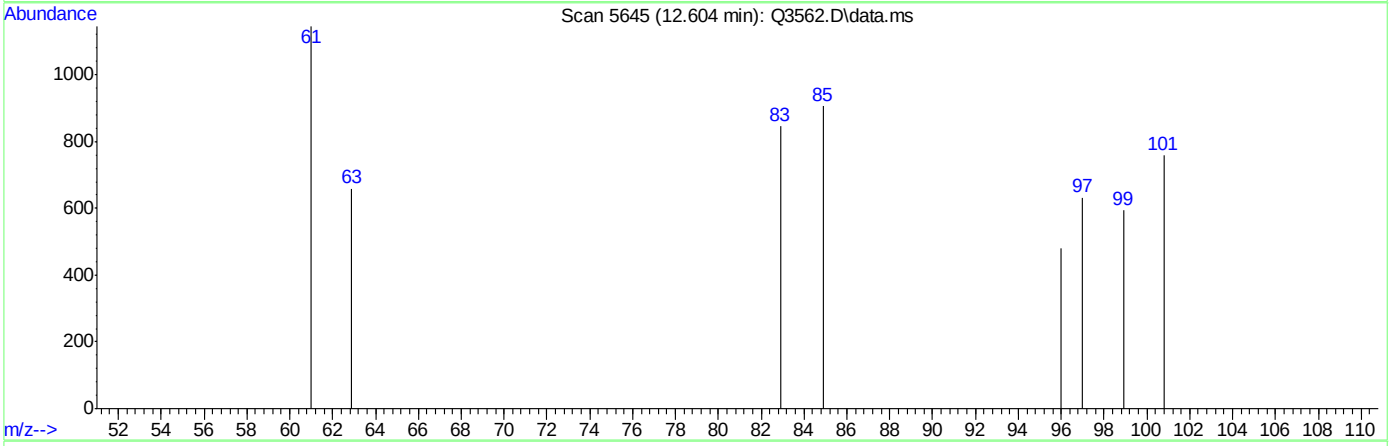
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3562.D
Acq On : 30 May 2007 1:51 pm
Operator : PhilipB
Sample : IC193-.2 (M007
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 30 14:25:01 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 13:58:46 2007
Response via : Initial Calibration





TIC: Q3562.D\data.ms

(48) 1,1,2-TRICHLOROETHANE (m)

12.604min (+0.009) 0.20PPBV m

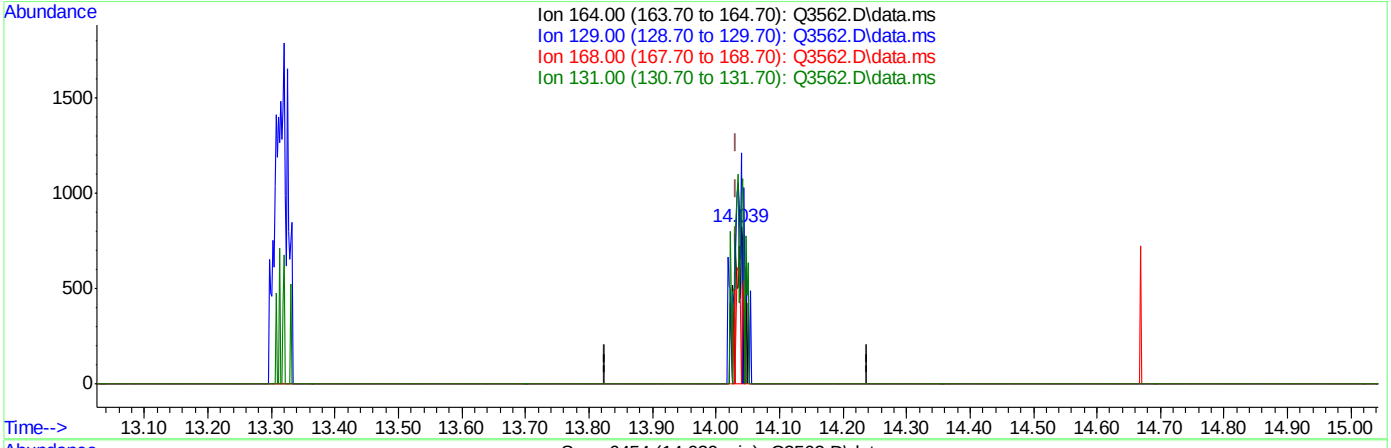
response 885

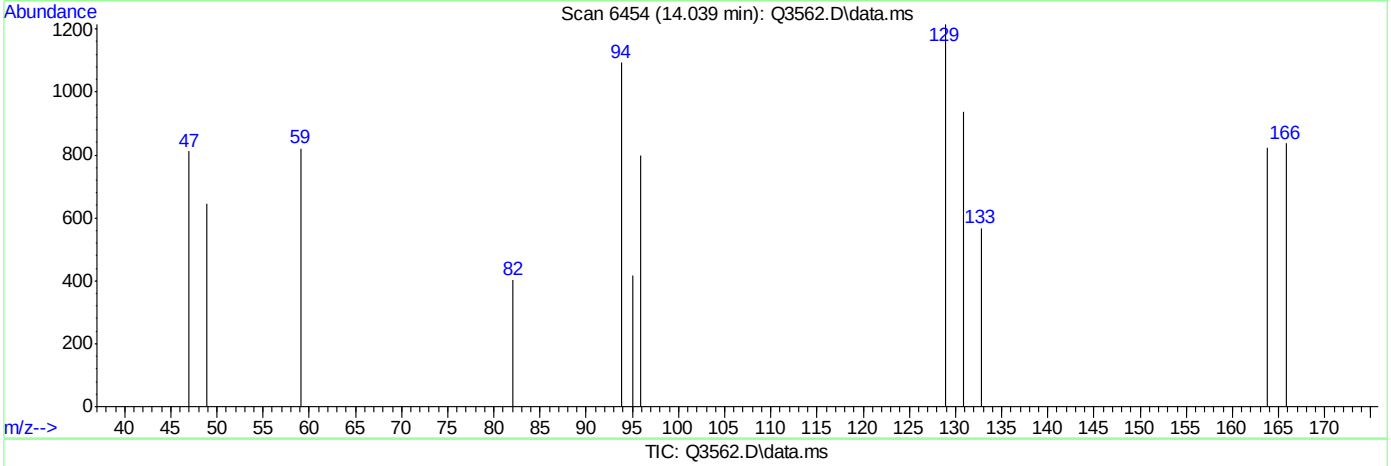
Ion	Exp%	Act%
83.00	100	100
97.00	121.10	0.00#
85.00	65.40	40.45#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3562.D
Acq On : 30 May 2007 1:51 pm
Operator : PhilipB
Sample : IC193-.2 (M007
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 30 14:25:01 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 13:58:46 2007
Response via : Initial Calibration





TIC: Q3562.D\data.ms

(51) TETRACHLOROETHYLENE (m)

14.039min (+0.007) 0.12PPBV

response 539

Ion	Exp%	Act%
164.00	100	100
129.00	99.00	227.27#
168.00	60.20	0.00#
131.00	102.50	107.61

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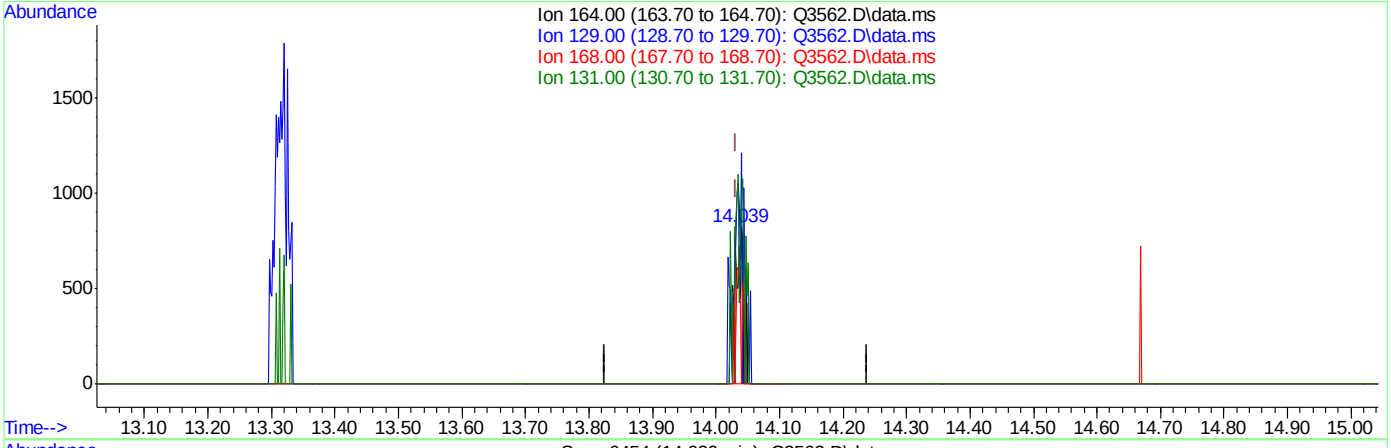
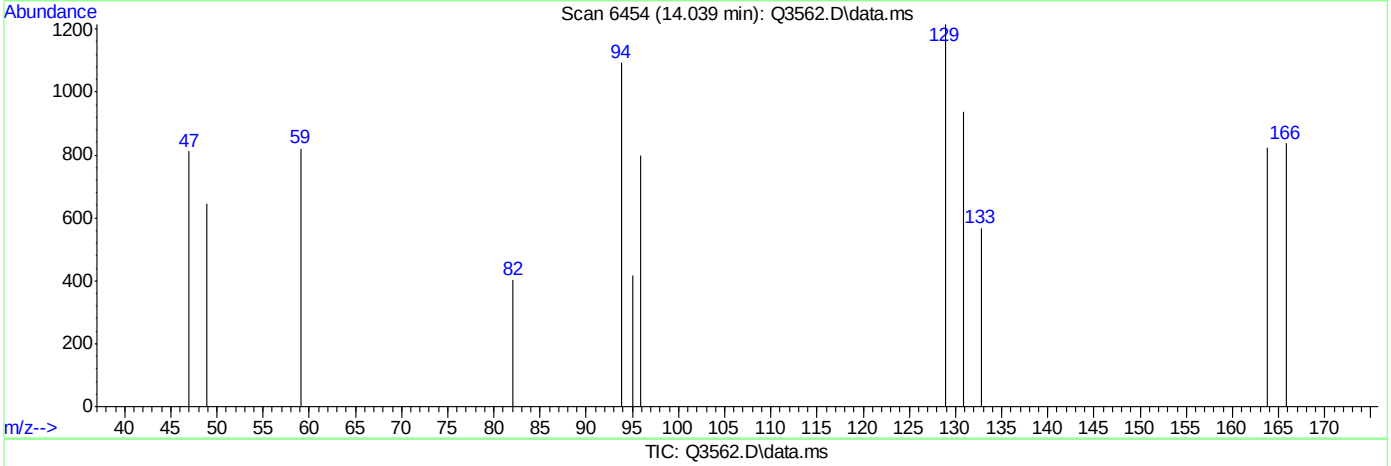
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3562.D
Acq On : 30 May 2007 1:51 pm
Operator : PhilipB
Sample : IC193-.2 (M007
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 30 14:25:01 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 13:58:46 2007
Response via : Initial Calibration





TIC: Q3562.D\data.ms

(51) TETRACHLOROETHYLENE (m)

14.039min (+0.007) 0.15PPBV m

response 694

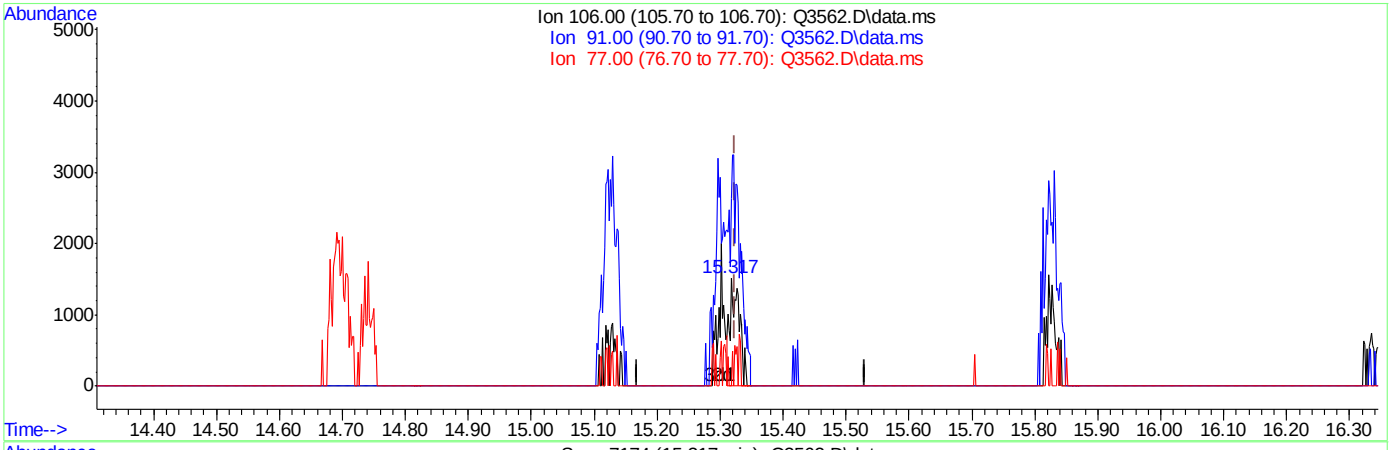
Ion	Exp%	Act%
164.00	100	100
129.00	99.00	176.51#
168.00	60.20	0.00#
131.00	102.50	83.57

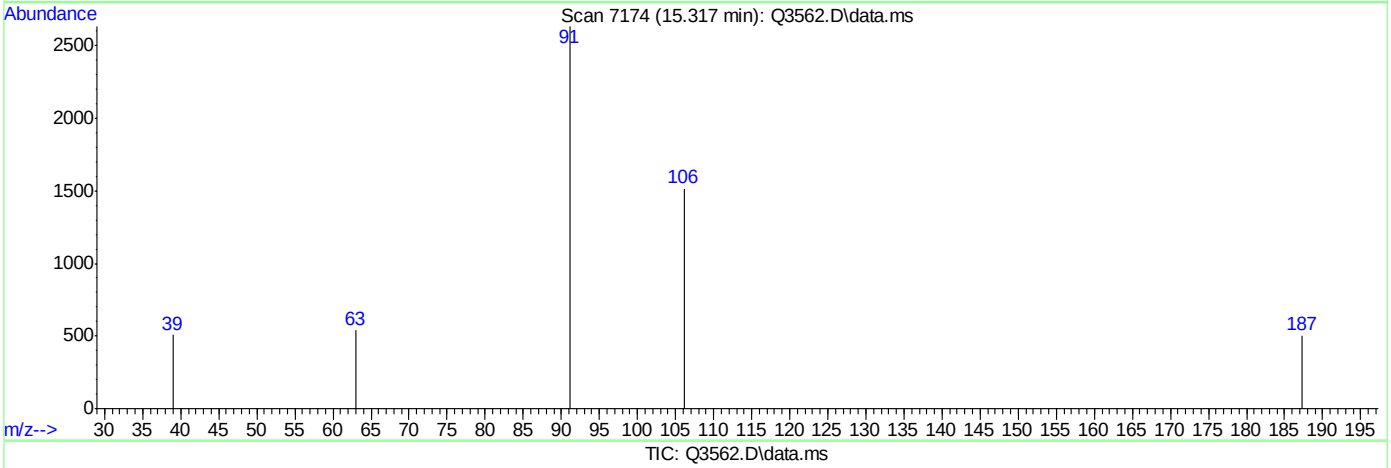
ACCUTEST Laboratories M65503

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3562.D
Acq On : 30 May 2007 1:51 pm
Operator : PhilipB
Sample : IC193-.2 (M007
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 30 14:25:01 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 13:58:46 2007
Response via : Initial Calibration





TIC: Q3562.D\data.ms

(56) m,p-XYLENE (m)

15.317min (-0.007) 0.27PPBV

response 1661

Ion	Exp%	Act%
106.00	100	100
91.00	204.20	173.57
77.00	30.60	0.00#
0.00	0.00	0.00

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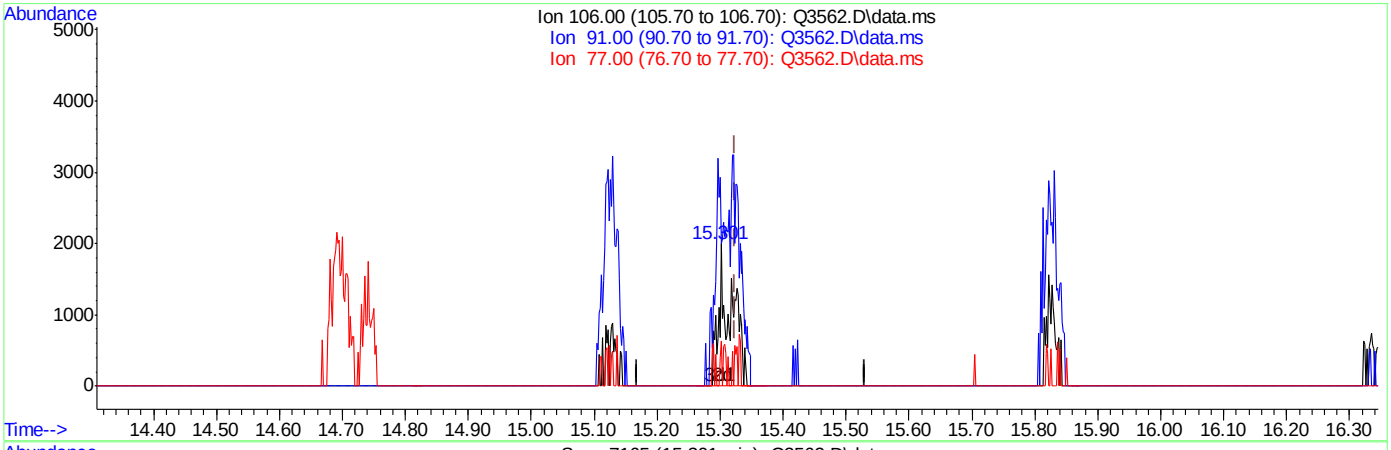
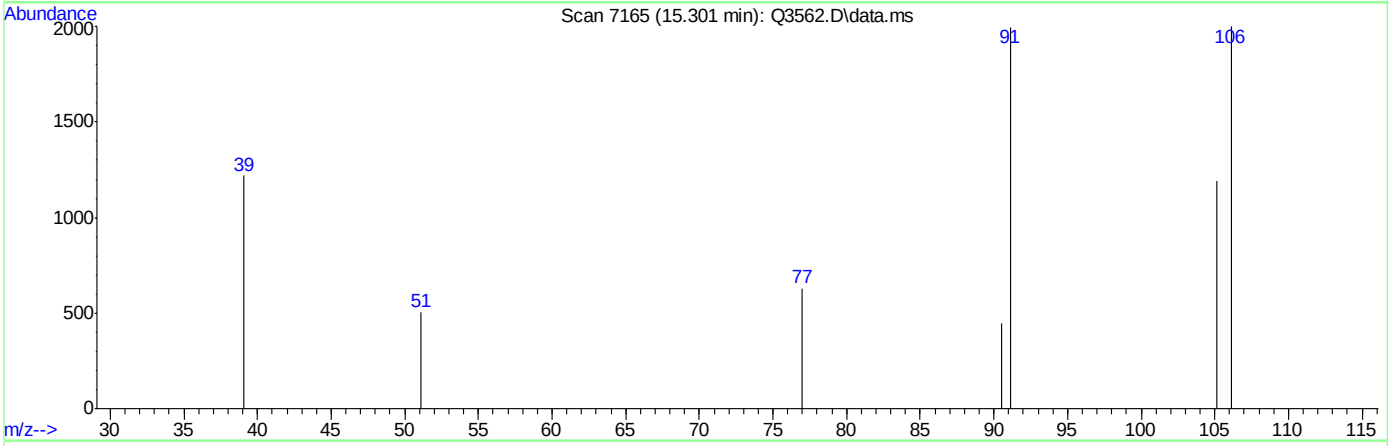
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3562.D
Acq On : 30 May 2007 1:51 pm
Operator : PhilipB
Sample : IC193-.2 (M007
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 30 14:25:01 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 13:58:46 2007
Response via : Initial Calibration





TIC: Q3562.D\data.ms

(56) m,p-XYLENE (m)

15.301min (-0.023) 0.47PPBV m

response 2902

Ion	Exp%	Act%
106.00	100	100
91.00	204.20	99.75#
77.00	30.60	31.48
0.00	0.00	0.00

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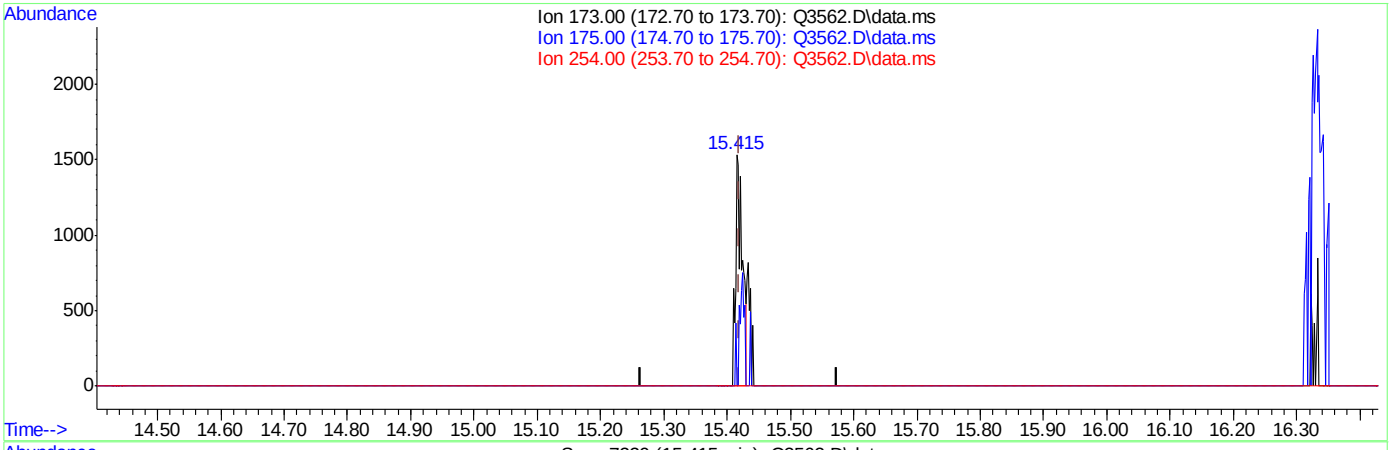
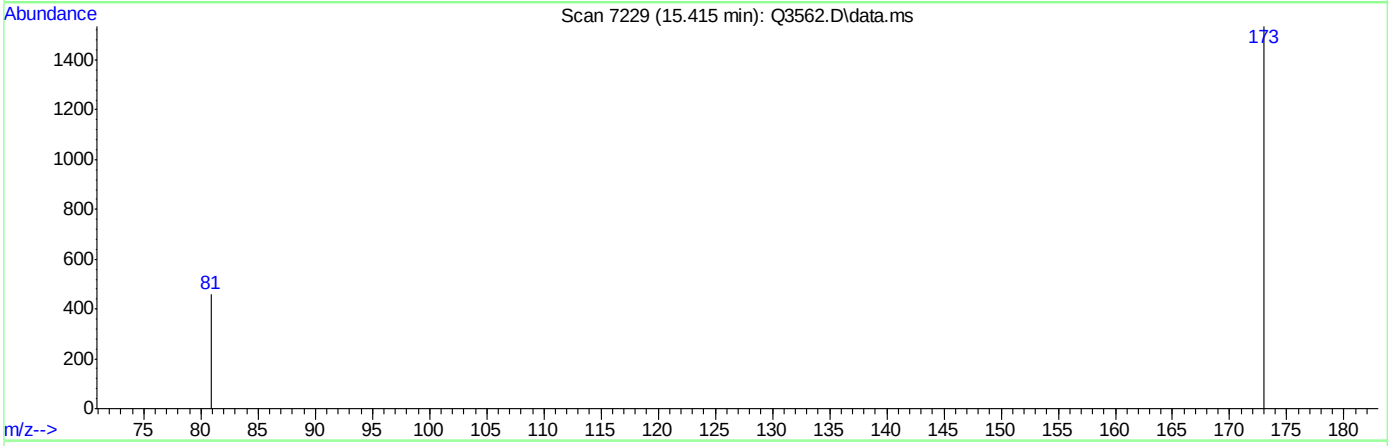
Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3562.D
Acq On    : 30 May 2007   1:51 pm
Operator  : PhilipB
Sample    : IC193-.2 (M007
Misc      : MS13624, MSQ193,,,,,1
ALS Vial  : 2   Sample Multiplier: 1

Quant Time: May 30 14:25:01 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 13:58:46 2007
Response via : Initial Calibration
```



TIC: Q3562.D\data.ms

(60) BROMOFORM (m)

15.415min (-0.005) 0.14PPBV

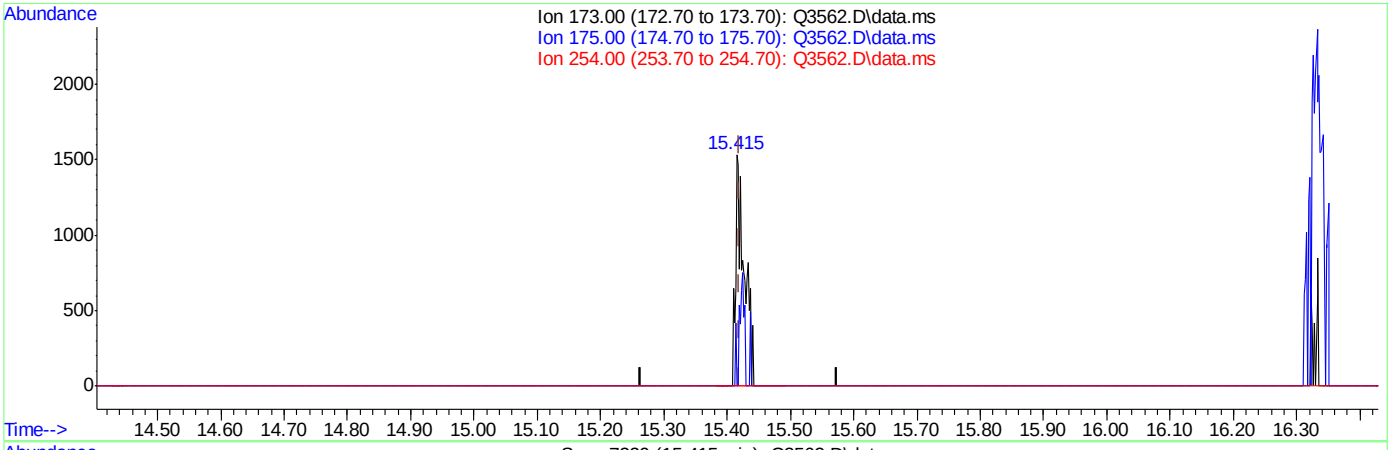
response 1116

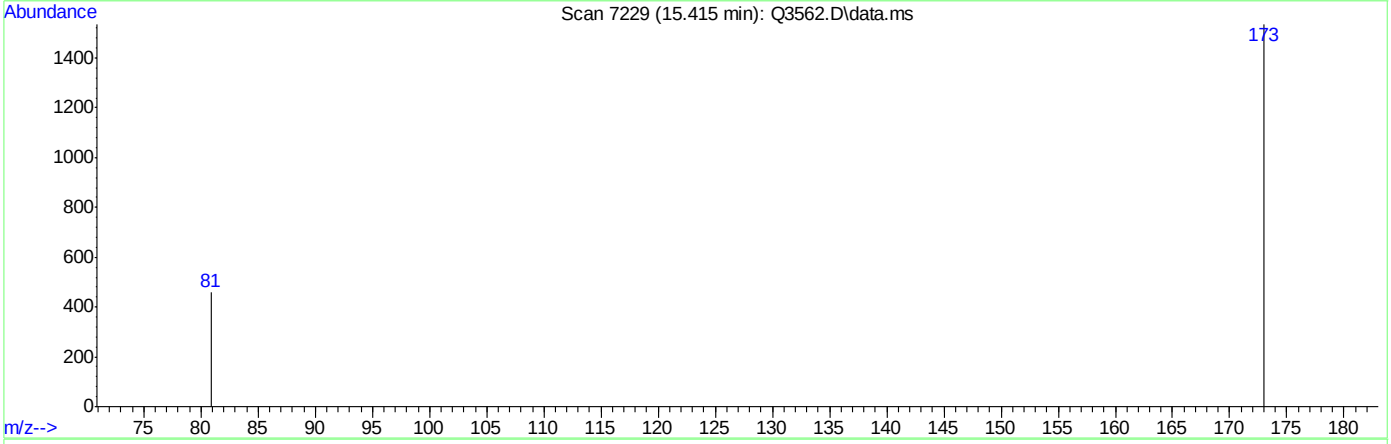
Ion	Exp%	Act%
173.00	100	100
175.00	47.70	35.66
254.00	7.50	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3562.D
Acq On    : 30 May 2007   1:51 pm
Operator  : PhilipB
Sample    : IC193-.2 (M007
Misc      : MS13624, MSQ193,,,,,1
ALS Vial  : 2   Sample Multiplier: 1

Quant Time: May 30 14:25:01 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 13:58:46 2007
Response via : Initial Calibration
```



TIC: Q3562.D\data.ms

(60) BROMOFORM (m)

15.415min (-0.005) 0.18PPBV m

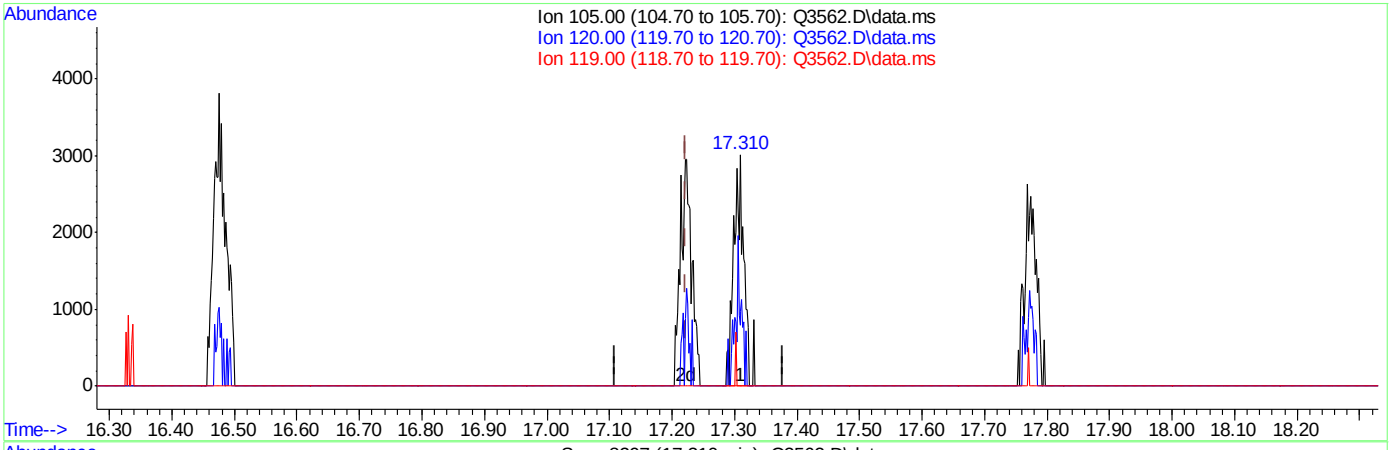
response 1446

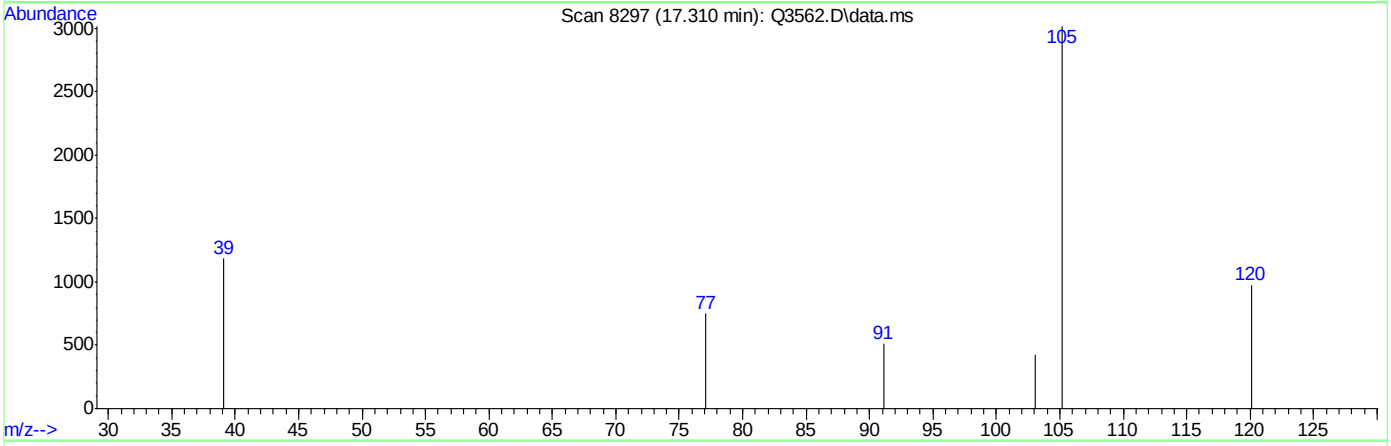
Ion	Exp%	Act%
173.00	100	100
175.00	47.70	27.52#
254.00	7.50	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3562.D
Acq On    : 30 May 2007   1:51 pm
Operator  : PhilipB
Sample    : IC193-.2 (M007
Misc      : MS13624, MSQ193,,,,,1
ALS Vial  : 2   Sample Multiplier: 1

Quant Time: May 30 14:25:01 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 13:58:46 2007
Response via : Initial Calibration
```



TIC: Q3562.D\data.ms

(65) 4-ETHYLTOLUENE (m)

17.310min (+0.087) 0.21PPBV

response 3542

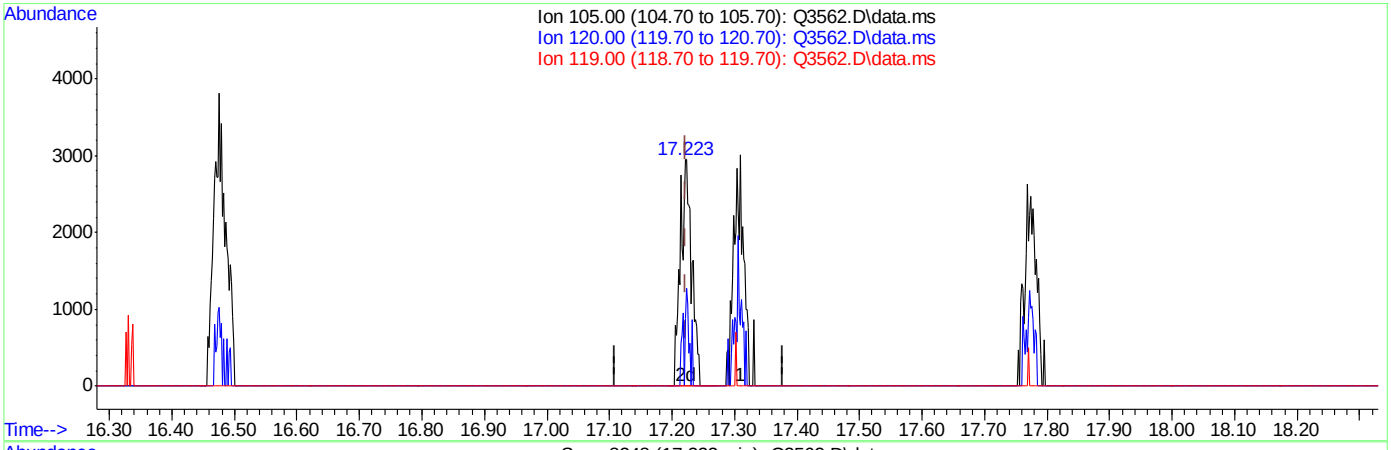
Ion	Exp%	Act%
105.00	100	100
120.00	30.20	38.65
119.00	2.30	2.12
0.00	0.00	0.00

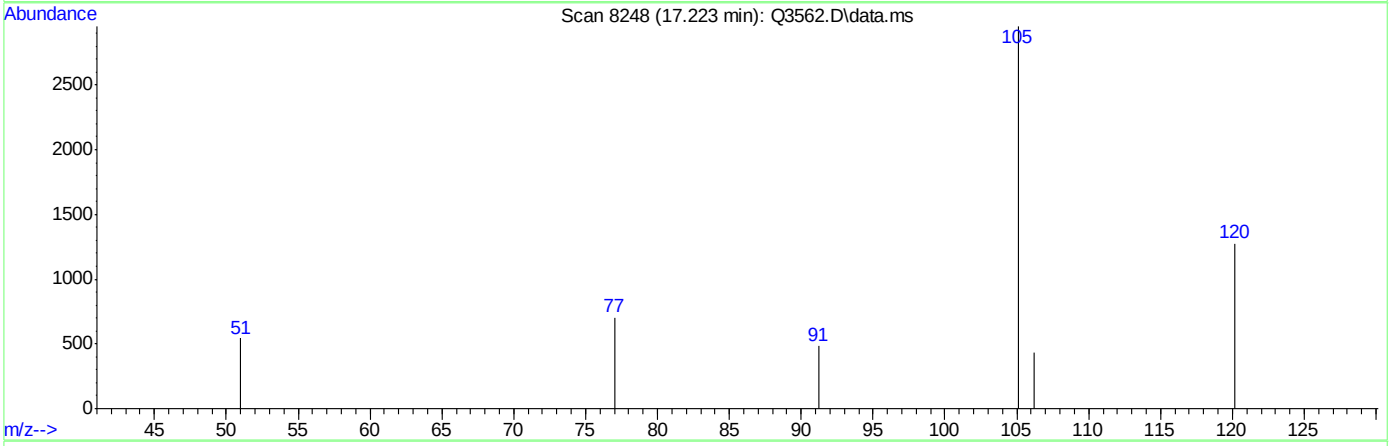
ACCUTEST Laboratories M65503

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3562.D
Acq On : 30 May 2007 1:51 pm
Operator : PhilipB
Sample : IC193-.2 (M007
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 30 14:25:01 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 13:58:46 2007
Response via : Initial Calibration





TIC: Q3562.D\data.ms

(65) 4-ETHYLTOLUENE (m)

17.223min (+0.000) 0.22PPBV m

response 3670

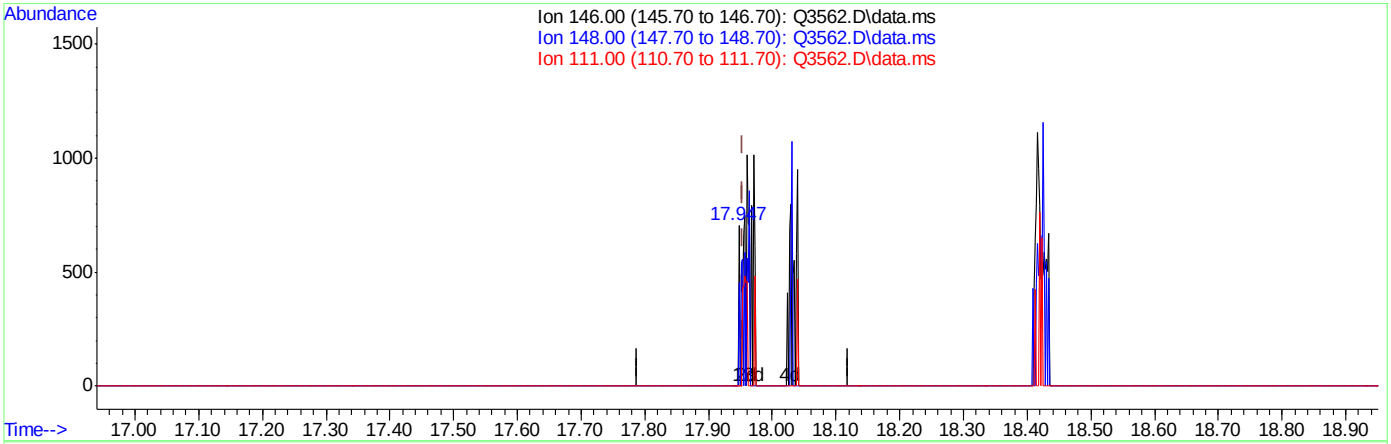
Ion	Exp%	Act%
105.00	100	100
120.00	30.20	37.30
119.00	2.30	2.04
0.00	0.00	0.00

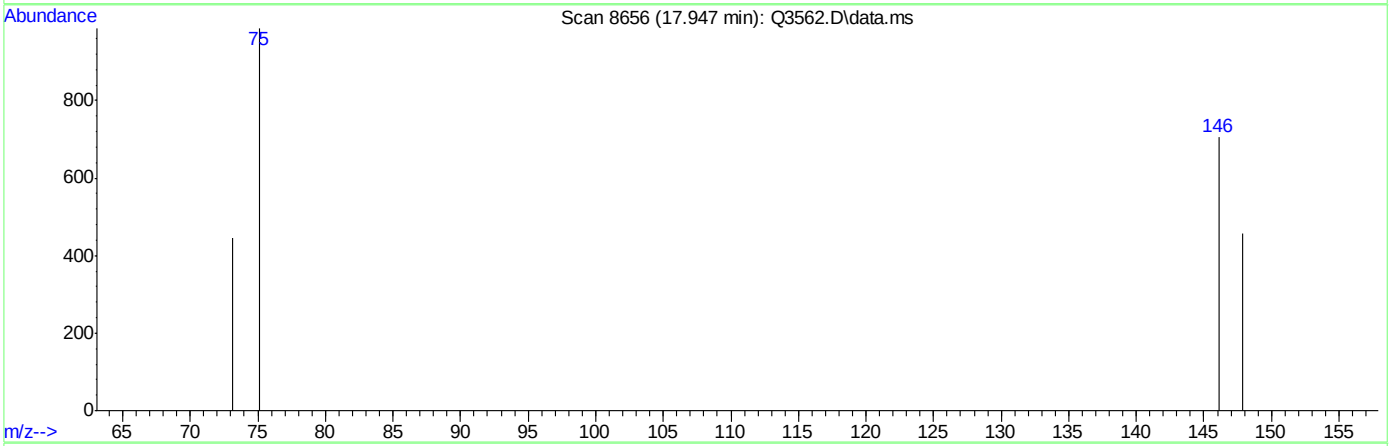
ACCUTEST Laboratories M65503

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3562.D
Acq On : 30 May 2007 1:51 pm
Operator : PhilipB
Sample : IC193-.2 (M007
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 30 14:25:01 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 13:58:46 2007
Response via : Initial Calibration





TIC: Q3562.D\data.ms

(68) m-DICHLOROBENZENE (m)

17.947min (-0.007) 0.01PPBV

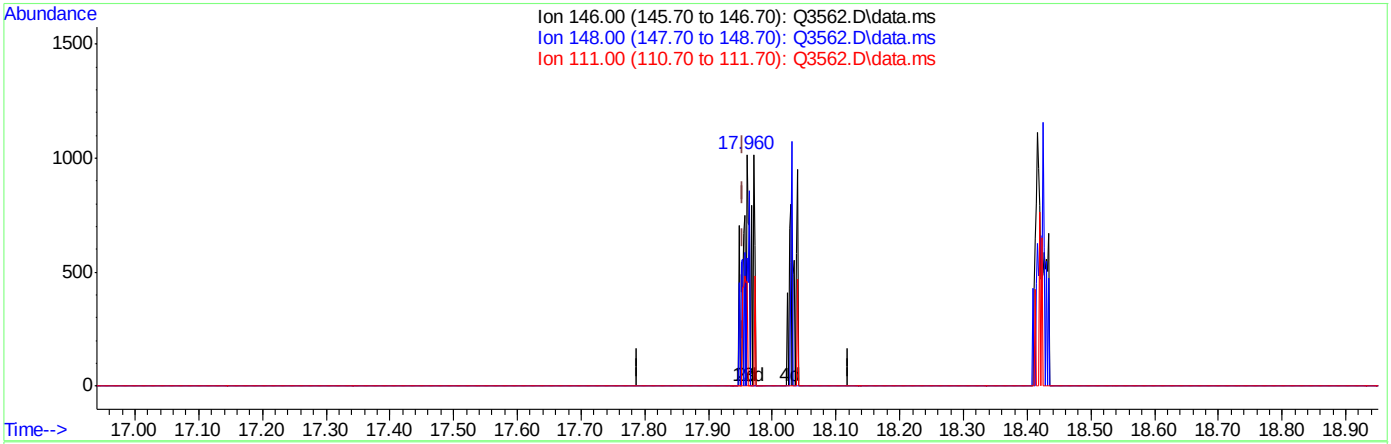
response 75

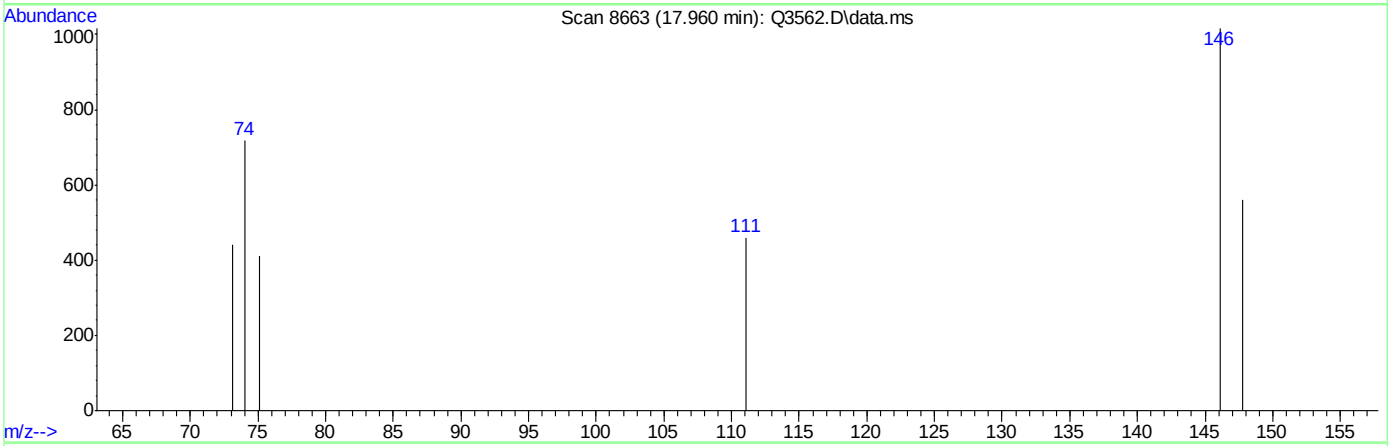
Ion	Exp%	Act%
146.00	100	100
148.00	62.90	304.00#
111.00	41.00	321.33#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3562.D
Acq On : 30 May 2007 1:51 pm
Operator : PhilipB
Sample : IC193-.2 (M007
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 30 14:25:01 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 13:58:46 2007
Response via : Initial Calibration





TIC: Q3562.D\data.ms

(68) m-DICHLOROBENZENE (m)

17.960min (+0.006) 0.15PPBV m

response 787

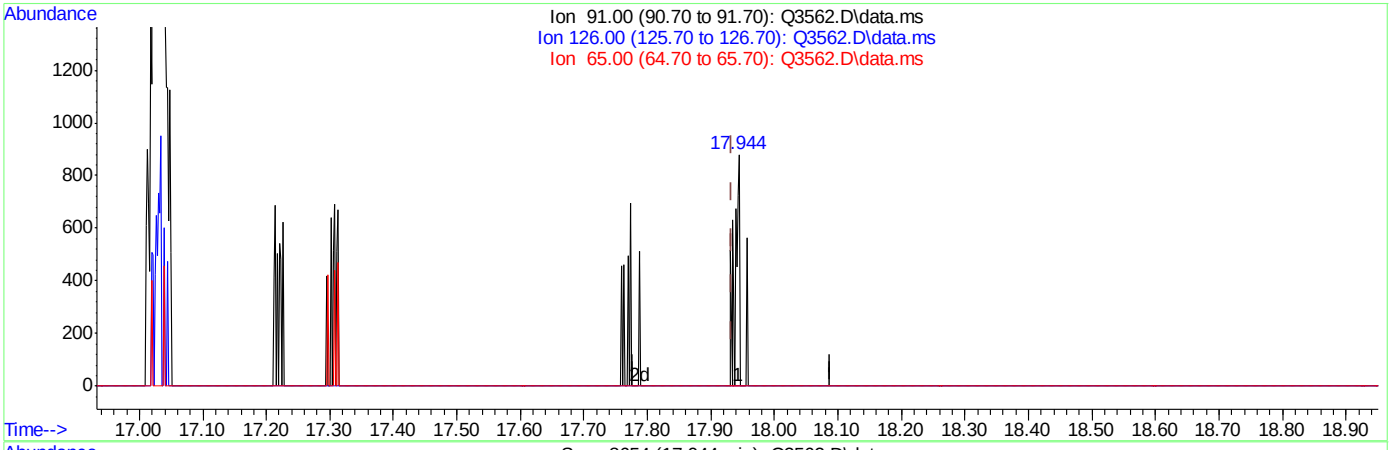
Ion	Exp%	Act%
146.00	100	100
148.00	62.90	28.97#
111.00	41.00	30.62
0.00	0.00	0.00

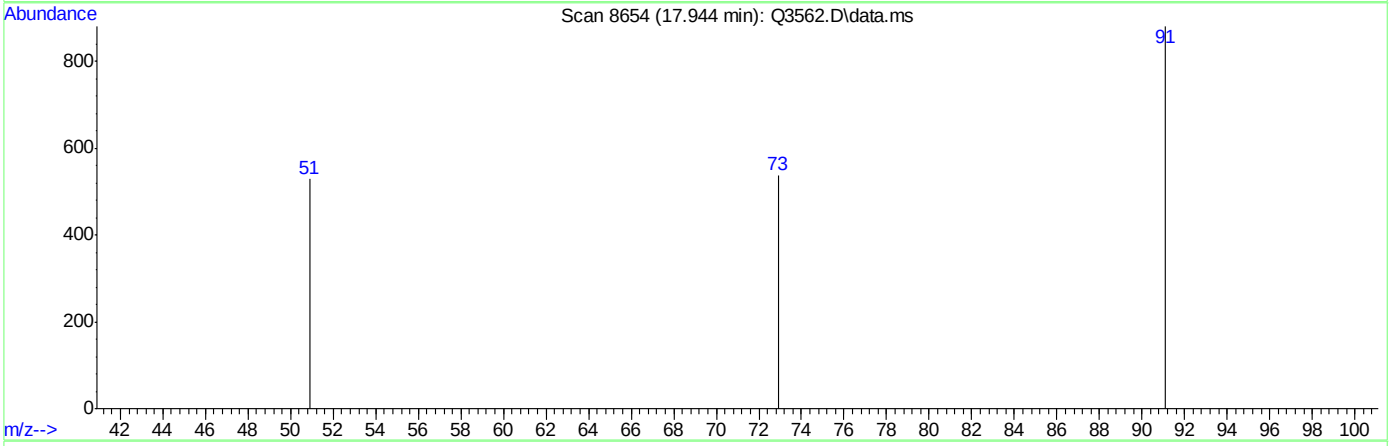
ACCUTEST Laboratories M65503

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3562.D
Acq On : 30 May 2007 1:51 pm
Operator : PhilipB
Sample : IC193-.2 (M007
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 30 14:25:01 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 13:58:46 2007
Response via : Initial Calibration





TIC: Q3562.D\data.ms

(69) BENZYL CHLORIDE (m)

17.944min (+0.011) 0.07PPBV

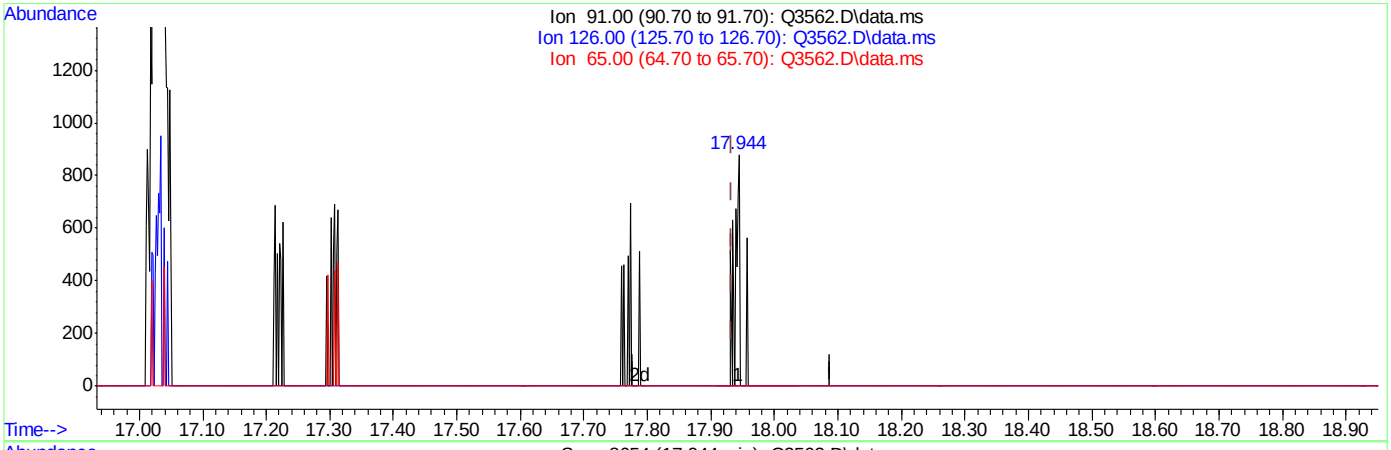
response 358

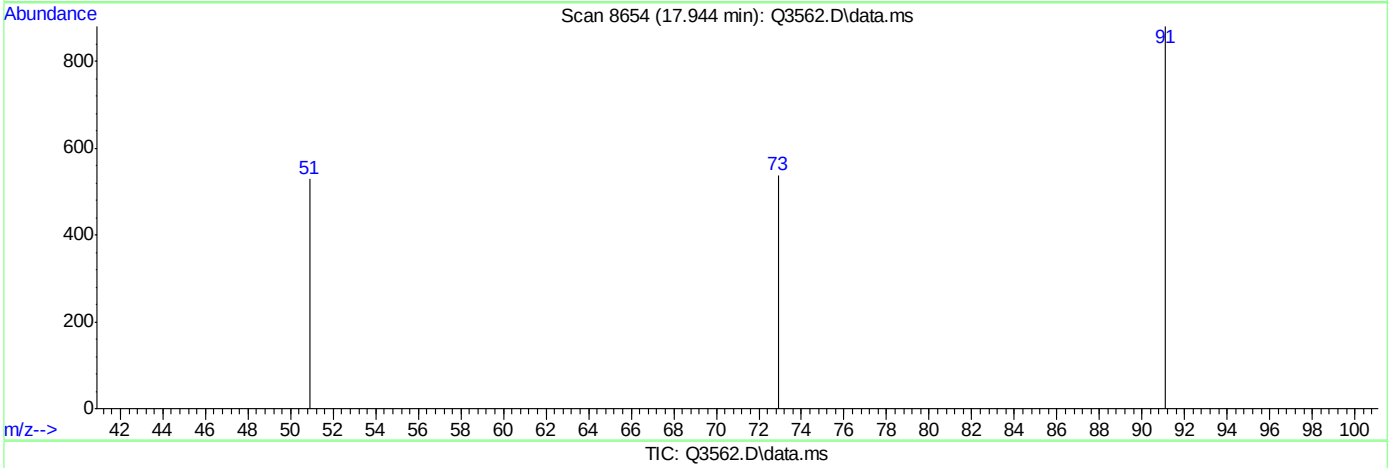
Ion	Exp%	Act%
91.00	100	100
126.00	20.90	0.00#
65.00	12.30	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3562.D
Acq On : 30 May 2007 1:51 pm
Operator : PhilipB
Sample : IC193-.2 (M007
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 30 14:25:01 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 13:58:46 2007
Response via : Initial Calibration





TIC: Q3562.D\data.ms

(69) BENZYL CHLORIDE (m)

17.944min (+0.011) 0.09PPBV m

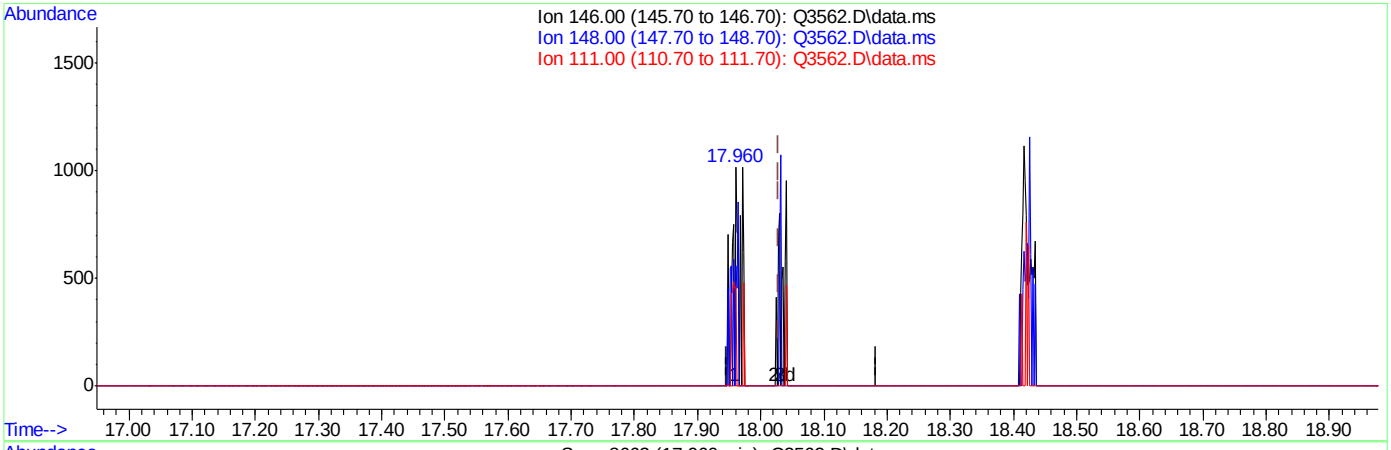
response 474

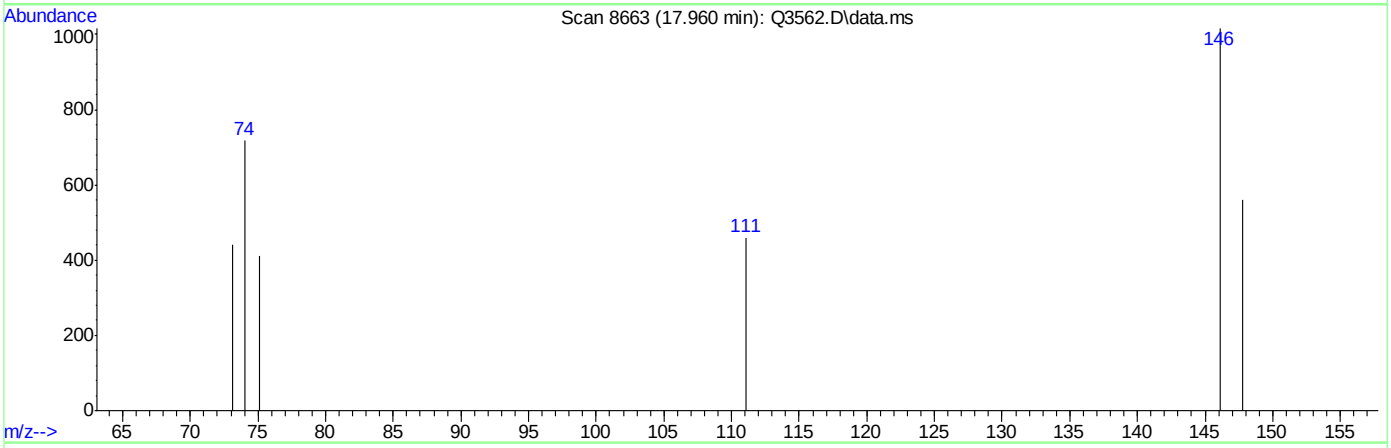
Ion	Exp%	Act%
91.00	100	100
126.00	20.90	0.00#
65.00	12.30	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3562.D
Acq On : 30 May 2007 1:51 pm
Operator : PhilipB
Sample : IC193-.2 (M007
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 30 14:25:01 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 13:58:46 2007
Response via : Initial Calibration





TIC: Q3562.D\data.ms

(70) p-DICHLOROBENZENE (m)

17.960min (-0.069) 0.16PPBV

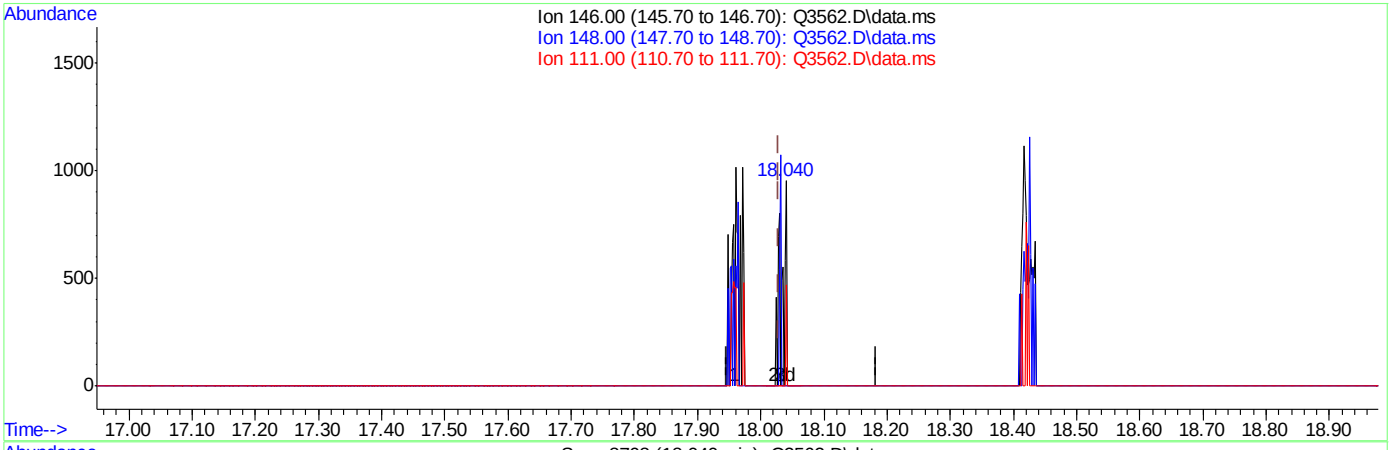
response 712

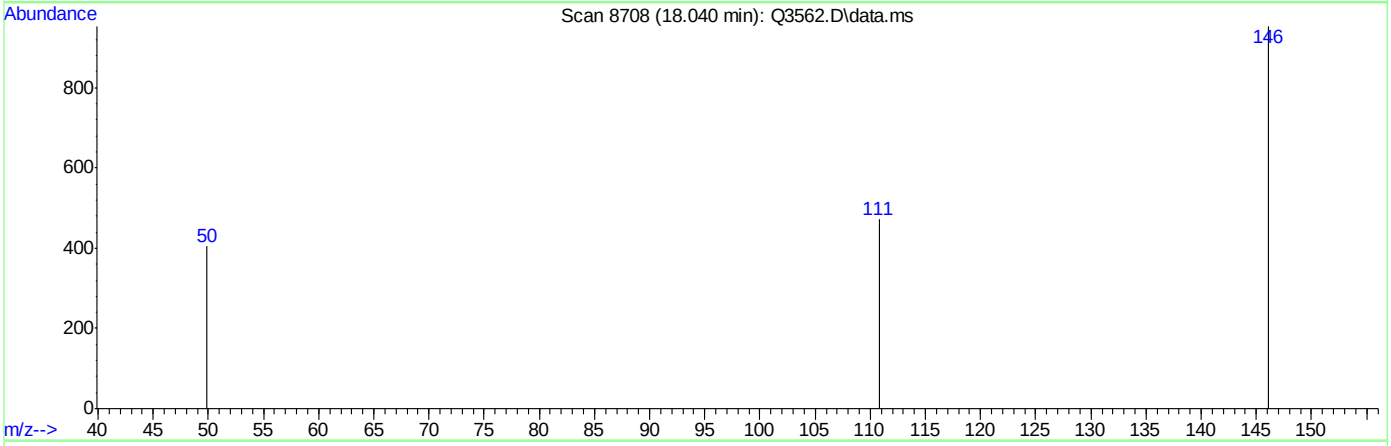
Ion	Exp%	Act%
146.00	100	100
148.00	64.20	53.23
111.00	38.90	33.85
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3562.D
Acq On : 30 May 2007 1:51 pm
Operator : PhilipB
Sample : IC193-.2 (M007
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 30 14:25:01 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 13:58:46 2007
Response via : Initial Calibration





TIC: Q3562.D\data.ms

(70) p-DICHLOROBENZENE (m)

18.040min (+0.011) 0.11PPBV m

response 477

Ion	Exp%	Act%
146.00	100	100
148.00	64.20	79.45
111.00	38.90	50.52
0.00	0.00	0.00

ACCUTEST Laboratories M65503

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
05/31/07 11:31

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3563.D
Acq On : 30 May 2007 2:34 pm
Operator : PhilipB
Sample : IC193-40 (M017)
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 30 15:11:23 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 14:28:13 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.435	128	35935	10.00	PPBV	0.01
35) 1,4-DIFLUOROBENZENE	10.353	114	186342	10.00	PPBV	0.01
49) CHLOROBENZENE-D5	14.698	117	189999	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.338	95	121552	5.92	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 118.40%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	3.611	85	1120343	44.50	PPBV	79
3) PROPYLENE	3.538	41	259690	52.02	PPBV	98
4) FREON 114	3.877	85	892807	46.33	PPBV #	100
5) CHLOROMETHANE	3.778	50	316127	50.69	PPBV	100
6) VINYL CHLORIDE	4.001	62	267788	49.23	PPBV #	71
7) 1,3-BUTADIENE	4.140	39	399233	55.75	PPBV #	100
8) BROMOMETHANE	4.418	94	225802	47.96	PPBV #	100
9) CHLOROETHANE	4.592	64	111752	52.48	PPBV #	100
10) TRICHLOROFLUOROMETHANE	5.410	101	1278366	51.24	PPBV #	100
11) ISOPROPYL ALCOHOL	5.465	45	653771	48.00	PPBV	93
12) ACETONE	5.205	43	826017	43.18	PPBV	86
13) PENTANE	5.787	42	356427	54.34	PPBV #	100
14) 1,1-DICHLOROETHYLENE	6.088	96	221946	49.39	PPBV #	1
15) CARBON DISULFIDE	6.543	76	657002	55.22	PPBV #	27
16) ETHANOL	4.693	45	108749	42.43	PPBV #	100
17) BROMOETHENE	4.963	106	210097	47.42	PPBV #	100
18) METHYLENE CHLORIDE	6.213	84	209580	17.40	PPBV #	1
19) 3-CHLOROPROPENE	6.340	39	517826	60.36	PPBV #	2
20) FREON 113	6.484	151	424865	51.38	PPBV #	100
21) TRANS-1,2-DICHLOROETHY...	7.201	96	244039	57.29	PPBV #	100
22) TERTIARY BUTYL ALCOHOL	6.112	59	540023	45.63	PPBV #	100
23) METHYL TERTIARY BUTYL ...	7.455	73	883539	56.05	PPBV #	100
24) TETRAHYDROFURAN	8.965	42	399014	58.56	PPBV #	100
25) HEXANE	8.470	57	345483	39.81	PPBV #	100
26) VINYL ACETATE	7.551	43	1070633	62.28	PPBV	92
27) 1,1-DICHLOROETHANE	7.407	63	657199	55.64	PPBV #	100
28) METHYL ETHYL KETONE	7.806	43	876276	54.53	PPBV	84
29) cis-1,2-DICHLOROETHYLENE	8.264	96	198421	55.32	PPBV #	100
30) ETHYL ACETATE	8.477	43	1287983	51.28	PPBV	100
31) CHLOROFORM	8.566	83	741019	51.44	PPBV #	100
32) 1,1,1-TRICHLOROETHANE	9.562	97	844114	51.68	PPBV #	85
33) CARBON TETRACHLORIDE	10.167	117	962713	56.45	PPBV	97
34) 1,2-DICHLOROETHANE	9.310	62	764651	55.50	PPBV	99
36) BENZENE	10.023	78	556445	49.75	PPBV	84
37) CYCLOHEXANE	10.295	84	203150	52.81	PPBV #	39
38) TRICHLOROETHYLENE	11.060	95	359101	51.91	PPBV #	76
39) 1,2-DICHLOROPROPANE	10.831	63	259639	51.56	PPBV	87
40) BROMODICHLOROMETHANE	11.021	83	816880	53.63	PPBV	100
41) 2,2,4-TRIMETHYLPENTANE	11.086	57	1257247	53.20	PPBV #	94
42) 1,4-DIOXANE	11.049	88	93920	55.91	PPBV #	29
43) HEPTANE	11.335	43	639655	55.91	PPBV #	72

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3563.D
Acq On : 30 May 2007 2:34 pm
Operator : PhilipB
Sample : IC193-40 (M017)
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 30 15:11:23 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 14:28:13 2007
Response via : Initial Calibration

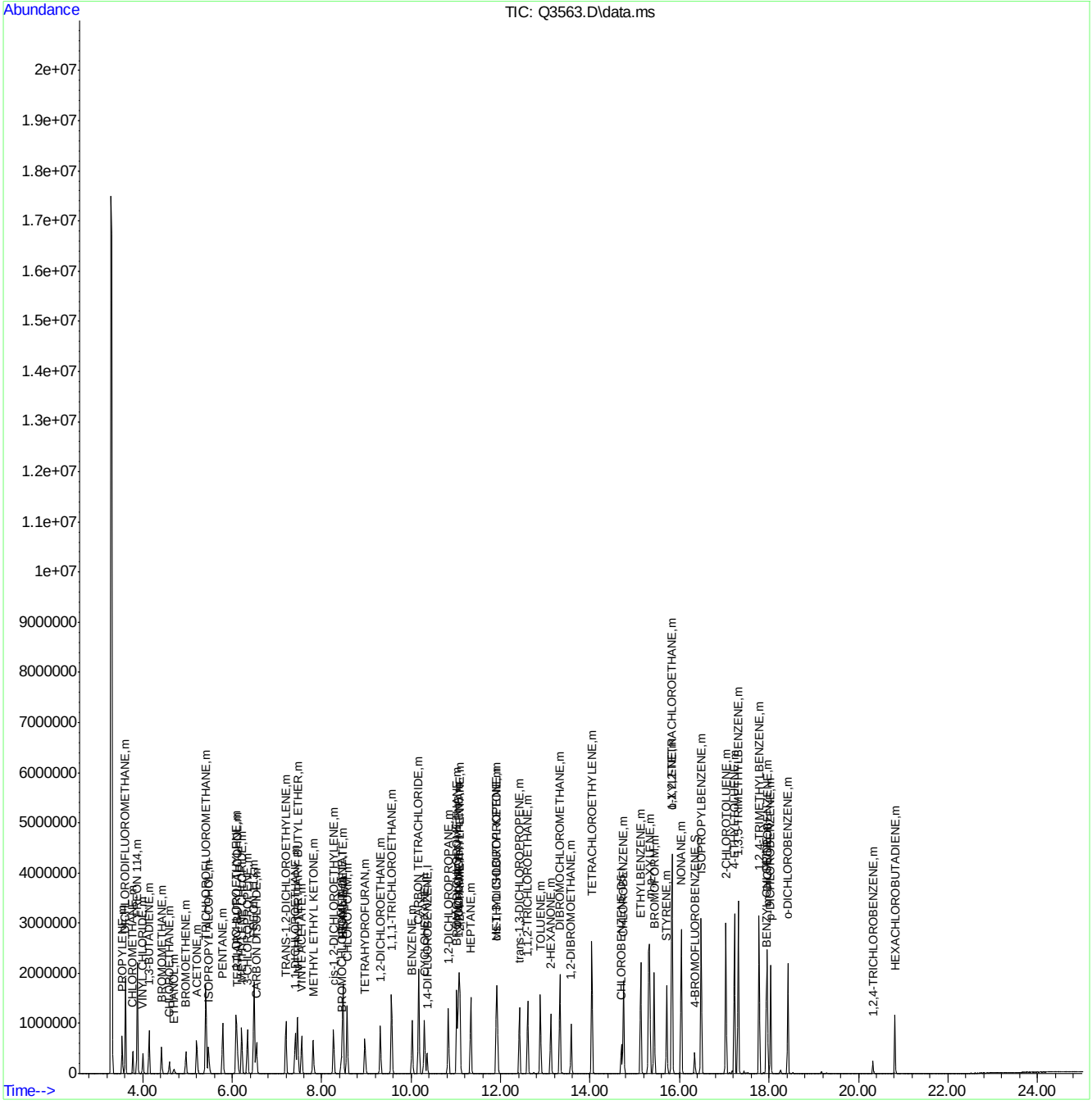
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) METHYL ISOBUTYL KETONE	11.922	43	1012095	66.56	PPBV		85
45) cis-1,3-DICHLOROPROPENE	11.906	75	422109	59.64	PPBV	#	42
46) TOLUENE	12.889	92	436295	55.19	PPBV		95
47) trans-1,3-DICHLOROPROPENE	12.419	75	489195	70.14	PPBV	#	98
48) 1,1,2-TRICHLOROETHANE	12.604	83	255506	57.60	PPBV		92
50) 2-HEXANONE	13.120	43	916463	67.12	PPBV		85
51) TETRACHLOROETHYLENE	14.041	164	302915	55.06	PPBV	#	78
52) DIBROMOCHLOROMETHANE	13.324	129	792525	58.17	PPBV		99
53) 1,2-DIBROMOETHANE	13.578	107	524961	52.76	PPBV		98
54) CHLOROBENZENE	14.746	112	596199	52.17	PPBV	#	81
55) ETHYLBENZENE	15.133	91	1270004	53.34	PPBV		92
56) m,p-XYLENE	15.330	106	883480m	111.90	PPBV		
57) o-XYLENE	15.832	106	510111	62.98	PPBV	#	81
58) STYRENE	15.713	104	554331	62.34	PPBV		87
59) NONANE	16.040	43	1186688	58.36	PPBV		83
60) BROMOFORM	15.431	173	695516	69.02	PPBV		99
62) 1,1,2,2-TETRACHLOROETHANE	15.825	83	813711	72.57	PPBV		97
63) ISOPROPYLBENZENE	16.483	105	1610113	59.77	PPBV		92
64) 2-CHLOROTOLUENE	17.035	91	1300434	64.97	PPBV		86
65) 4-ETHYLTOLUENE	17.227	105	1540858	71.45	PPBV		94
66) 1,3,5-TRIMETHYLBENZENE	17.312	105	1488406	73.97	PPBV		92
67) 1,2,4-TRIMETHYLBENZENE	17.777	105	1360265	79.94	PPBV		91
68) m-DICHLOROBENZENE	17.962	146	595262	96.54	PPBV		93
69) BENZYL CHLORIDE	17.939	91	764584	126.72	PPBV		88
70) p-DICHLOROBENZENE	18.036	146	520298	99.55	PPBV		91
71) o-DICHLOROBENZENE	18.421	146	521996	97.30	PPBV		91
72) HEXACHLOROBUTADIENE	20.814	225	123134	49.25	PPBV		100
73) 1,2,4-TRICHLOROBENZENE	20.322	180	38916	68.82	PPBV		95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3563.D
Acq On : 30 May 2007 2:34 pm
Operator : PhilipB
Sample : IC193-40 (M017)
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 30 15:11:23 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 14:28:13 2007
Response via : Initial Calibration

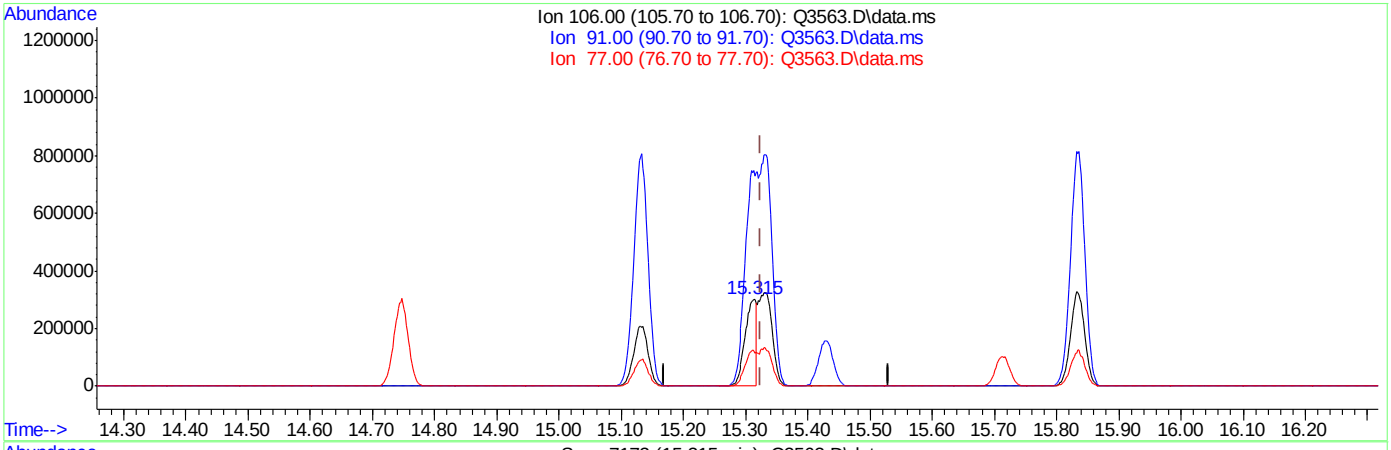


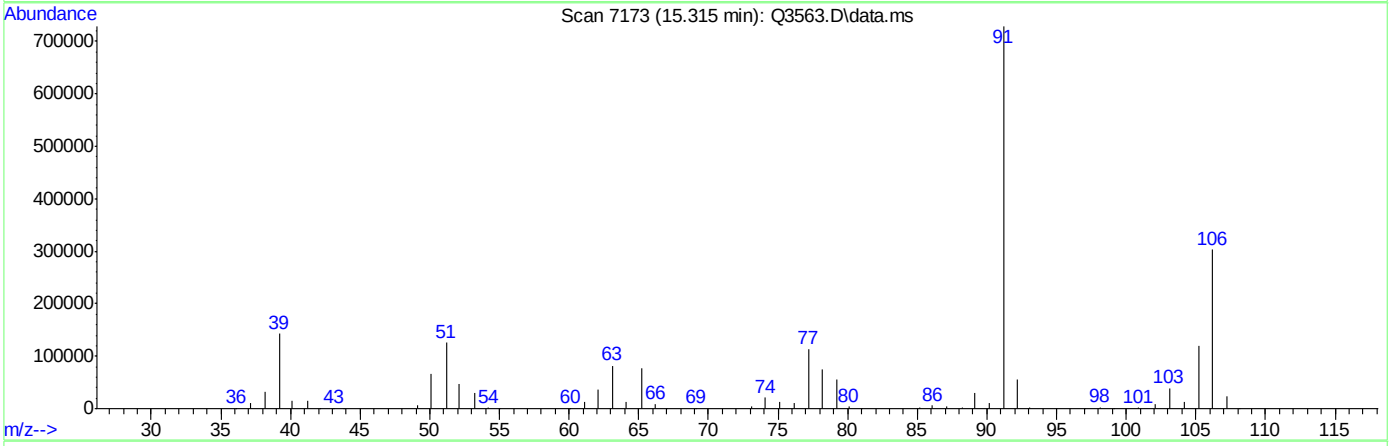
ACCUTEST Laboratories M65503

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3563.D
Acq On    : 30 May 2007   2:34 pm
Operator  : PhilipB
Sample    : IC193-40 (M017)
Misc      : MS13624, MSQ193,,,,,1
ALS Vial  : 1   Sample Multiplier: 1

Quant Time: May 30 15:10:58 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 14:28:13 2007
Response via : Initial Calibration
```



TIC: Q3563.D\data.ms

(56) m,p-XYLENE (m)

15.315min (-0.009) 47.33PPBV

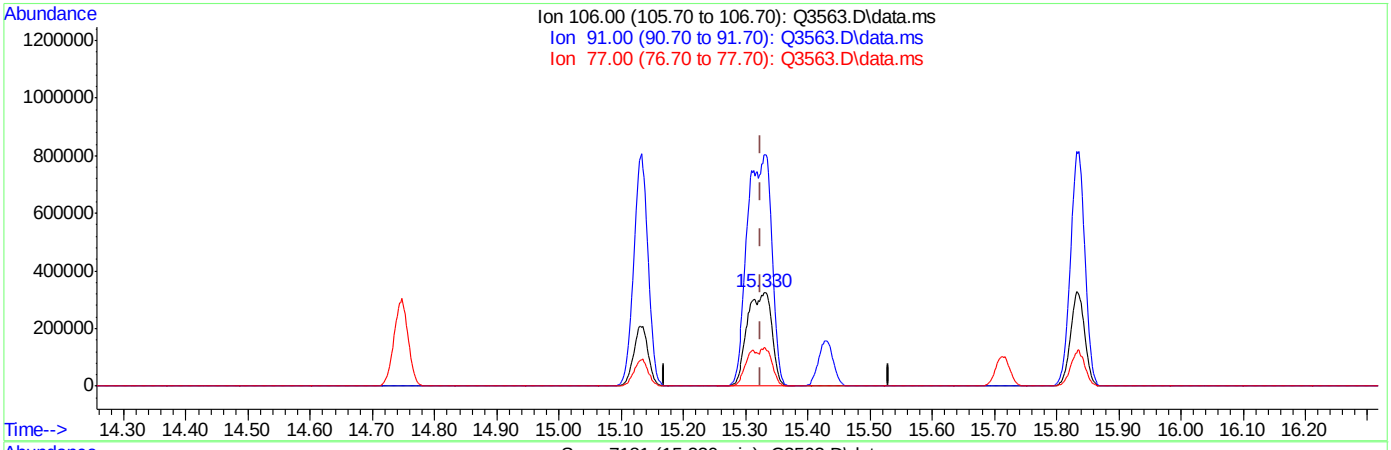
response 373692

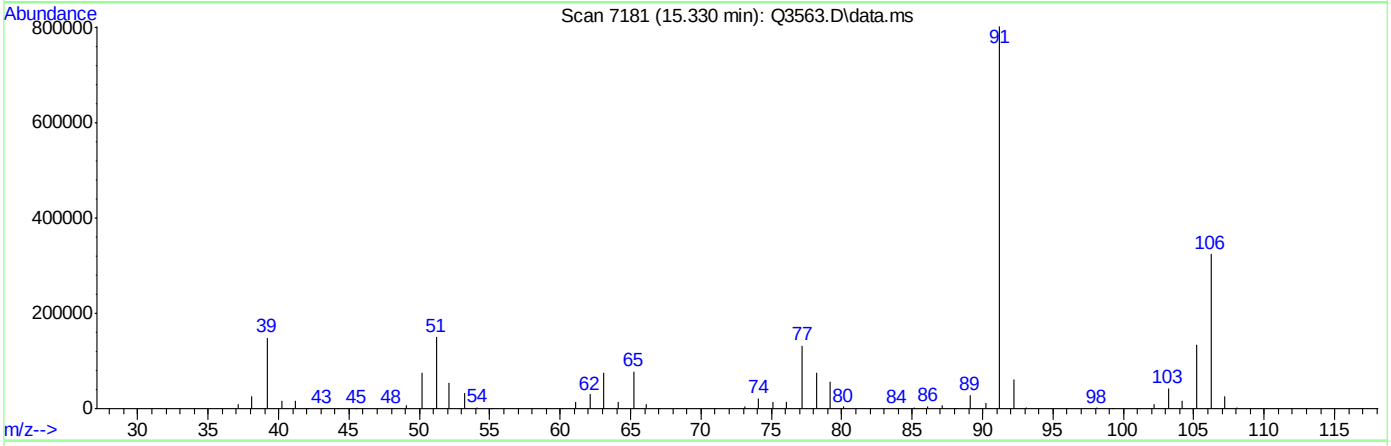
Ion	Exp%	Act%
106.00	100	100
91.00	204.20	240.62
77.00	30.60	37.53#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3563.D
Acq On : 30 May 2007 2:34 pm
Operator : PhilipB
Sample : IC193-40 (M017)
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 30 15:10:58 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 14:28:13 2007
Response via : Initial Calibration





TIC: Q3563.D\data.ms

(56) m,p-XYLENE (m)

15.330min (+0.006) 111.90PPBV m

response 883480

Ion	Exp%	Act%
106.00	100	100
91.00	204.20	247.15#
77.00	30.60	40.80#
0.00	0.00	0.00

ACCUTEST Laboratories M65503

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
05/31/07 11:31

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3564.D
Acq On : 30 May 2007 3:27 pm
Operator : PhilipB
Sample : IC193-20 (M017)
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 30 15:59:50 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 15:12:07 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.429	128	38811	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.346	114	189912	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.700	117	170954	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.334	95	109088	5.76	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 115.20%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	3.606	85	807214	29.41	PPBV	83
3) PROPYLENE	3.535	41	135738	24.20	PPBV	94
4) FREON 114	3.872	85	648776	30.96	PPBV #	100
5) CHLOROMETHANE	3.774	50	178828	25.77	PPBV	100
6) VINYL CHLORIDE	3.994	62	171315	28.57	PPBV #	71
7) 1,3-BUTADIENE	4.133	39	208136	25.42	PPBV #	100
8) BROMOMETHANE	4.413	94	164174	32.07	PPBV #	100
9) CHLOROETHANE	4.587	64	72838	30.94	PPBV #	100
10) TRICHLOROFLUOROMETHANE	5.403	101	718182	25.60	PPBV #	100
11) ISOPROPYL ALCOHOL	5.455	45	350001	20.86	PPBV	94
12) ACETONE	5.197	43	435098	20.07	PPBV	85
13) PENTANE	5.780	42	184389	24.63	PPBV #	100
14) 1,1-DICHLOROETHYLENE	6.081	96	123344	24.83	PPBV #	1
15) CARBON DISULFIDE	6.534	76	345265	25.92	PPBV #	30
16) ETHANOL	4.683	45	63899	21.81	PPBV #	100
17) BROMOETHENE	4.954	106	142593	29.63	PPBV #	100
18) METHYLENE CHLORIDE	6.207	84	114218	8.70	PPBV #	1
19) 3-CHLOROPROPENE	6.332	39	257991	25.70	PPBV #	1
20) FREON 113	6.479	151	220545	24.11	PPBV #	100
21) TRANS-1,2-DICHLOROETHY...	7.191	96	126929	26.59	PPBV #	100
22) TERTIARY BUTYL ALCOHOL	6.101	59	213582	14.79	PPBV #	100
23) METHYL TERTIARY BUTYL ...	7.450	73	453368	25.27	PPBV #	100
24) TETRAHYDROFURAN	8.960	42	204286	26.09	PPBV #	100
25) HEXANE	8.463	57	183751	19.00	PPBV #	100
26) VINYL ACETATE	7.542	43	490130	24.35	PPBV	89
27) 1,1-DICHLOROETHANE	7.400	63	340545	25.29	PPBV #	100
28) METHYL ETHYL KETONE	7.798	43	445845	24.17	PPBV	87
29) cis-1,2-DICHLOROETHYLENE	8.259	96	102350	25.44	PPBV #	100
30) ETHYL ACETATE	8.472	43	666106	23.27	PPBV	100
31) CHLOROFORM	8.561	83	379905	23.42	PPBV #	100
32) 1,1,1-TRICHLOROETHANE	9.555	97	430082	23.56	PPBV #	85
33) CARBON TETRACHLORIDE	10.163	117	472956	24.72	PPBV	97
34) 1,2-DICHLOROETHANE	9.303	62	383295	24.43	PPBV	99
36) BENZENE	10.018	78	291555	24.83	PPBV	86
37) CYCLOHEXANE	10.289	84	105523	26.25	PPBV #	41
38) TRICHLOROETHYLENE	11.054	95	178353	24.66	PPBV #	75
39) 1,2-DICHLOROPROPANE	10.825	63	135467	25.56	PPBV	84
40) BROMODICHLOROMETHANE	11.017	83	410621	25.57	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.079	57	639900	25.65	PPBV #	94
42) 1,4-DIOXANE	11.042	88	48956	27.45	PPBV #	32
43) HEPTANE	11.329	43	322817	26.31	PPBV #	73

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3564.D
Acq On : 30 May 2007 3:27 pm
Operator : PhilipB
Sample : IC193-20 (M017)
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 30 15:59:50 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 15:12:07 2007
Response via : Initial Calibration

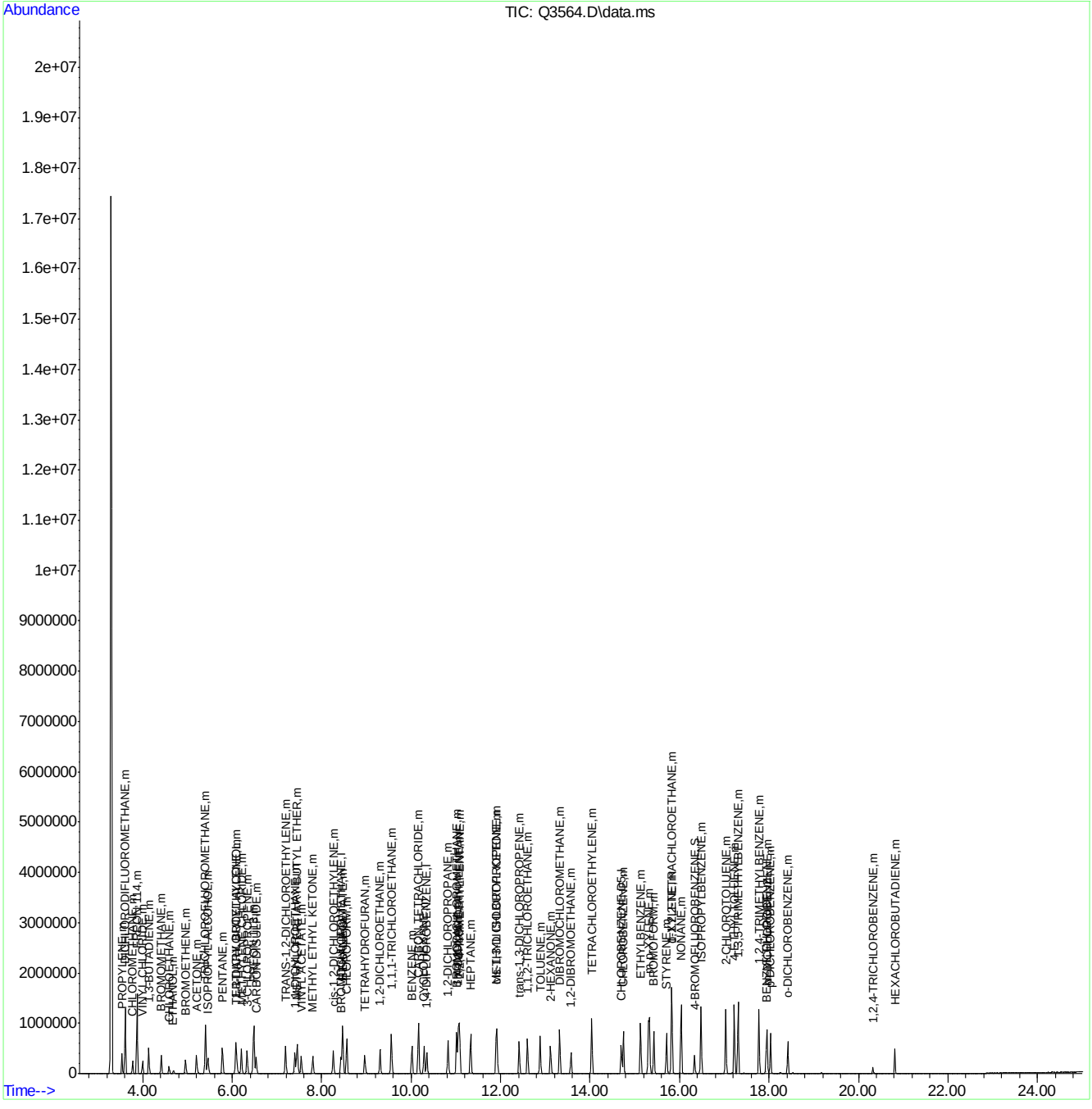
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) METHYL ISOBUTYL KETONE	11.919	43	496394	27.98	PPBV		86
45) cis-1,3-DICHLOROPROPENE	11.899	75	213030	28.44	PPBV	#	48
46) TOLUENE	12.884	92	208215	25.13	PPBV		95
47) trans-1,3-DICHLOROPROPENE	12.414	75	234405	31.13	PPBV	#	98
48) 1,1,2-TRICHLOROETHANE	12.600	83	124946	26.68	PPBV		91
50) 2-HEXANONE	13.115	43	411076	28.11	PPBV		85
51) TETRACHLOROETHYLENE	14.036	164	119556	23.98	PPBV	#	75
52) DIBROMOCHLOROMETHANE	13.319	129	334503	26.45	PPBV		98
53) 1,2-DIBROMOETHANE	13.574	107	231618	25.16	PPBV		98
54) CHLOROBENZENE	14.740	112	262862	24.98	PPBV	#	79
55) ETHYLBENZENE	15.129	91	566218	25.58	PPBV		92
56) m,p-XYLENE	15.326	106	379167m	51.94	PPBV		
57) o-XYLENE	15.828	106	206002	27.09	PPBV	#	74
58) STYRENE	15.711	104	244647	29.59	PPBV		85
59) NONANE	16.036	43	559324	28.68	PPBV		82
60) BROMOFORM	15.424	173	274136	29.04	PPBV		98
62) 1,1,2,2-TETRACHLOROETHANE	15.820	83	279868	23.73	PPBV		97
63) ISOPROPYLBENZENE	16.480	105	685304	27.18	PPBV		90
64) 2-CHLOROTOLUENE	17.035	91	559890	29.18	PPBV		84
65) 4-ETHYLTOLUENE	17.223	105	646937	30.88	PPBV		92
66) 1,3,5-TRIMETHYLBENZENE	17.309	105	603260	29.80	PPBV		91
67) 1,2,4-TRIMETHYLBENZENE	17.774	105	533901	29.93	PPBV		91
68) m-DICHLOROBENZENE	17.956	146	209063	30.83	PPBV		92
69) BENZYL CHLORIDE	17.933	91	227956	31.25	PPBV		86
70) p-DICHLOROBENZENE	18.033	146	194610	33.76	PPBV		91
71) o-DICHLOROBENZENE	18.420	146	150220	24.69	PPBV		91
72) HEXACHLOROBUTADIENE	20.814	225	46146	18.16	PPBV		98
73) 1,2,4-TRICHLOROBENZENE	20.322	180	18970	31.54	PPBV		93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3564.D
Acq On : 30 May 2007 3:27 pm
Operator : PhilipB
Sample : IC193-20 (M017)
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 30 15:59:50 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 15:12:07 2007
Response via : Initial Calibration

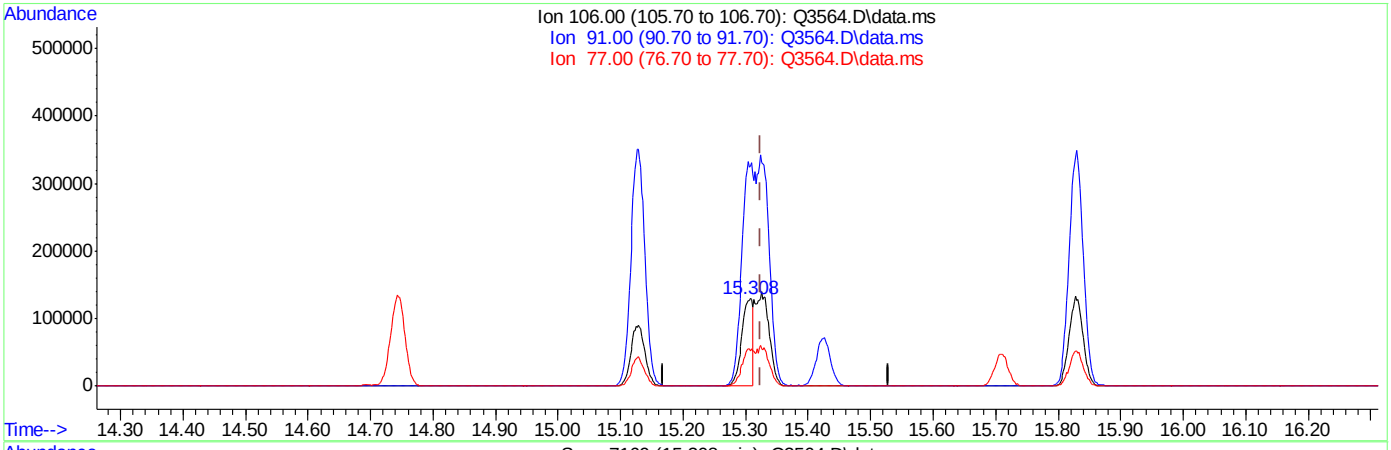


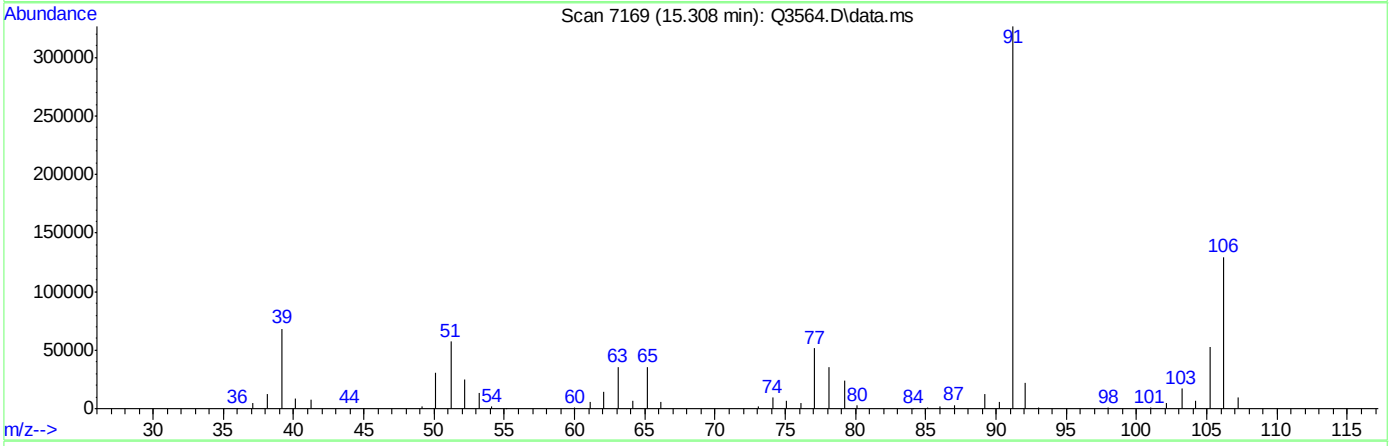
ACCUTEST Laboratories M65503

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3564.D
Acq On : 30 May 2007 3:27 pm
Operator : PhilipB
Sample : IC193-20 (M017)
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 30 15:59:21 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 15:12:07 2007
Response via : Initial Calibration





TIC: Q3564.D\data.ms

(56) m,p-XYLENE (m)

15.308min (-0.016) 21.90PPBV

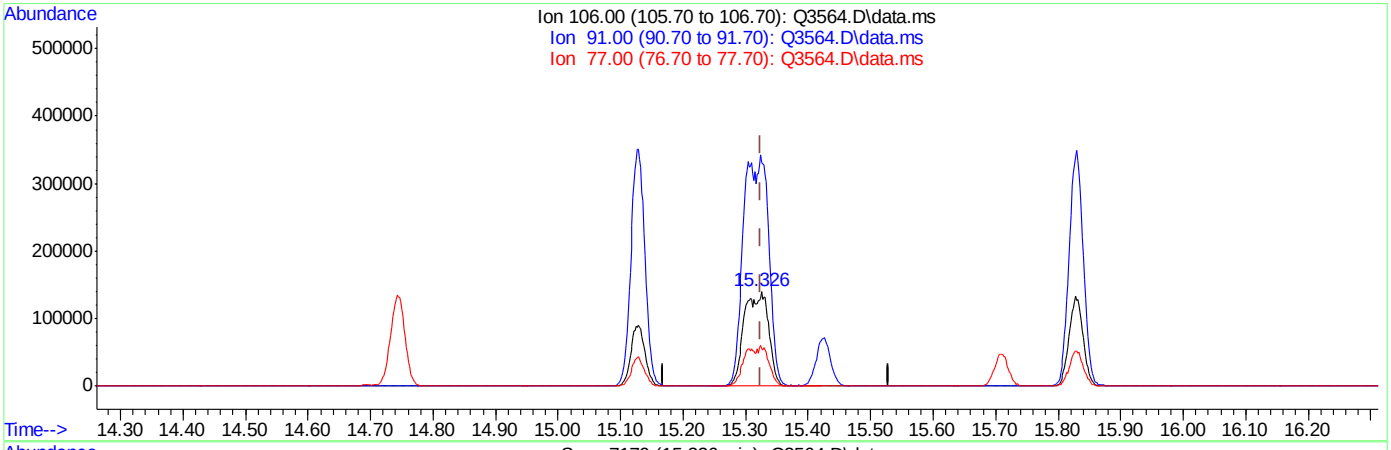
response 159882

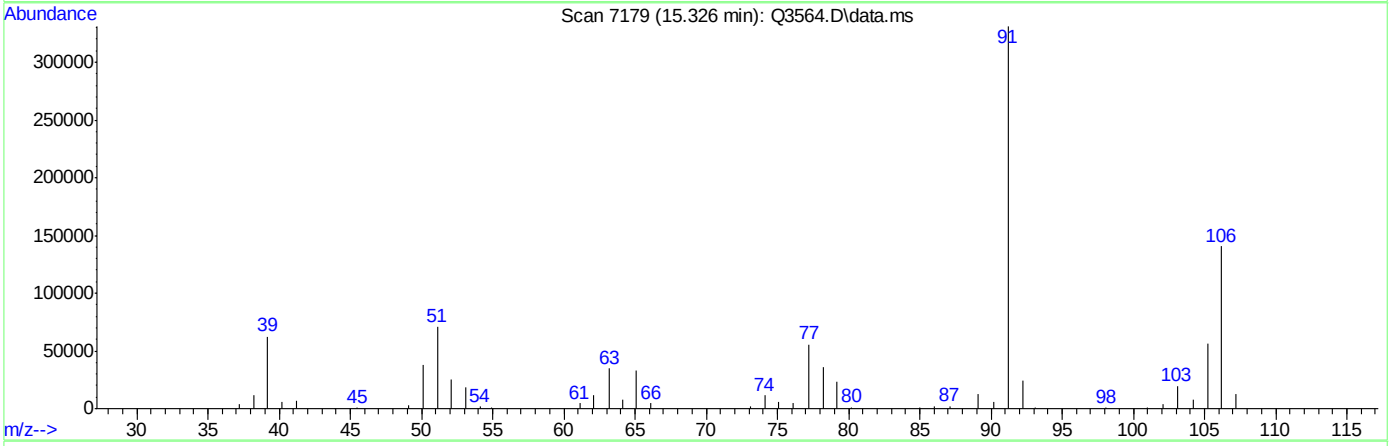
Ion	Exp%	Act%
106.00	100	100
91.00	204.20	252.00#
77.00	30.60	39.72#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3564.D
Acq On : 30 May 2007 3:27 pm
Operator : PhilipB
Sample : IC193-20 (M017)
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 30 15:59:21 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 15:12:07 2007
Response via : Initial Calibration





TIC: Q3564.D\data.ms

(56) m,p-XYLENE (m)

15.326min (+0.002) 51.94PPBV m

response 379167

Ion	Exp%	Act%
106.00	100	100
91.00	204.20	235.46
77.00	30.60	39.53#
0.00	0.00	0.00

ACCUTEST Laboratories M65503

Q3565.D

Manual Integrations APPROVED (compounds with "m" flag)

Doug Yargeau 05/31/07 11:31

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3565.D
Acq On : 30 May 2007 4:10 pm
Operator : PhilipB
Sample : ICC193-10 (M017)
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 30 16:34:03 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 16:00:04 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.431	128	40750	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.351	114	196101	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.696	117	170420	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.332	95	109411	5.71	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 114.20%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	3.611	85	382871	11.80	PPBV	82
3) PROPYLENE	3.538	41	70670	10.91	PPBV	95
4) FREON 114	3.873	85	267154	10.76	PPBV #	100
5) CHLOROMETHANE	3.776	50	90286	11.23	PPBV	91
6) VINYL CHLORIDE	3.998	62	71748	10.23	PPBV	74
7) 1,3-BUTADIENE	4.136	39	102355	10.78	PPBV #	100
8) BROMOMETHANE	4.415	94	60563	10.04	PPBV #	100
9) CHLOROETHANE	4.592	64	29550	10.70	PPBV #	100
10) TRICHLOROFLUOROMETHANE	5.409	101	330604	10.22	PPBV #	100
11) ISOPROPYL ALCOHOL	5.455	45	176366	9.29	PPBV	96
12) ACETONE	5.204	43	210705	8.55	PPBV	85
13) PENTANE	5.785	42	89155	10.34	PPBV #	100
14) 1,1-DICHLOROETHYLENE	6.081	96	57857	10.23	PPBV #	1
15) CARBON DISULFIDE	6.539	76	162728	10.64	PPBV #	29
16) ETHANOL	4.692	45	28878	8.63	PPBV #	100
17) BROMOETHENE	4.961	106	55699	9.98	PPBV #	100
18) METHYLENE CHLORIDE	6.204	84	57084	4.02	PPBV #	1
19) 3-CHLOROPROPENE	6.333	39	126716	10.83	PPBV #	1
20) FREON 113	6.486	151	102641	9.90	PPBV #	100
21) TRANS-1,2-DICHLOROETHY...	7.190	96	59913	10.90	PPBV #	100
22) TERTIARY BUTYL ALCOHOL	6.101	59	208977	13.49	PPBV #	100
23) METHYL TERTIARY BUTYL ...	7.453	73	220301	10.64	PPBV #	100
24) TETRAHYDROFURAN	8.962	42	98607	10.85	PPBV #	100
25) HEXANE	8.470	57	93928	8.63	PPBV #	100
26) VINYL ACETATE	7.545	43	253764	11.00	PPBV	89
27) 1,1-DICHLOROETHANE	7.402	63	165696	10.65	PPBV #	100
28) METHYL ETHYL KETONE	7.801	43	219580	10.31	PPBV	87
29) cis-1,2-DICHLOROETHYLENE	8.255	96	49844	10.84	PPBV #	100
30) ETHYL ACETATE	8.472	43	333499	10.14	PPBV	100
31) CHLOROFORM	8.561	83	191138	10.34	PPBV #	100
32) 1,1,1-TRICHLOROETHANE	9.556	97	212480	10.25	PPBV #	86
33) CARBON TETRACHLORIDE	10.165	117	228890	10.51	PPBV	96
34) 1,2-DICHLOROETHANE	9.304	62	191668	10.65	PPBV	98
36) BENZENE	10.016	78	142859	10.81	PPBV	84
37) CYCLOHEXANE	10.293	84	50819	11.23	PPBV #	40
38) TRICHLOROETHYLENE	11.056	95	84917	10.47	PPBV #	74
39) 1,2-DICHLOROPROPANE	10.820	63	65554	10.97	PPBV	85
40) BROMODICHLOROMETHANE	11.015	83	197027	10.89	PPBV	100
41) 2,2,4-TRIMETHYLPENTANE	11.079	57	307616	10.91	PPBV	96
42) 1,4-DIOXANE	11.042	88	23168	11.39	PPBV #	43
43) HEPTANE	11.327	43	155294	11.11	PPBV #	71

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3565.D
Acq On : 30 May 2007 4:10 pm
Operator : PhilipB
Sample : ICC193-10 (M017)
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 30 16:34:03 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 16:00:04 2007
Response via : Initial Calibration

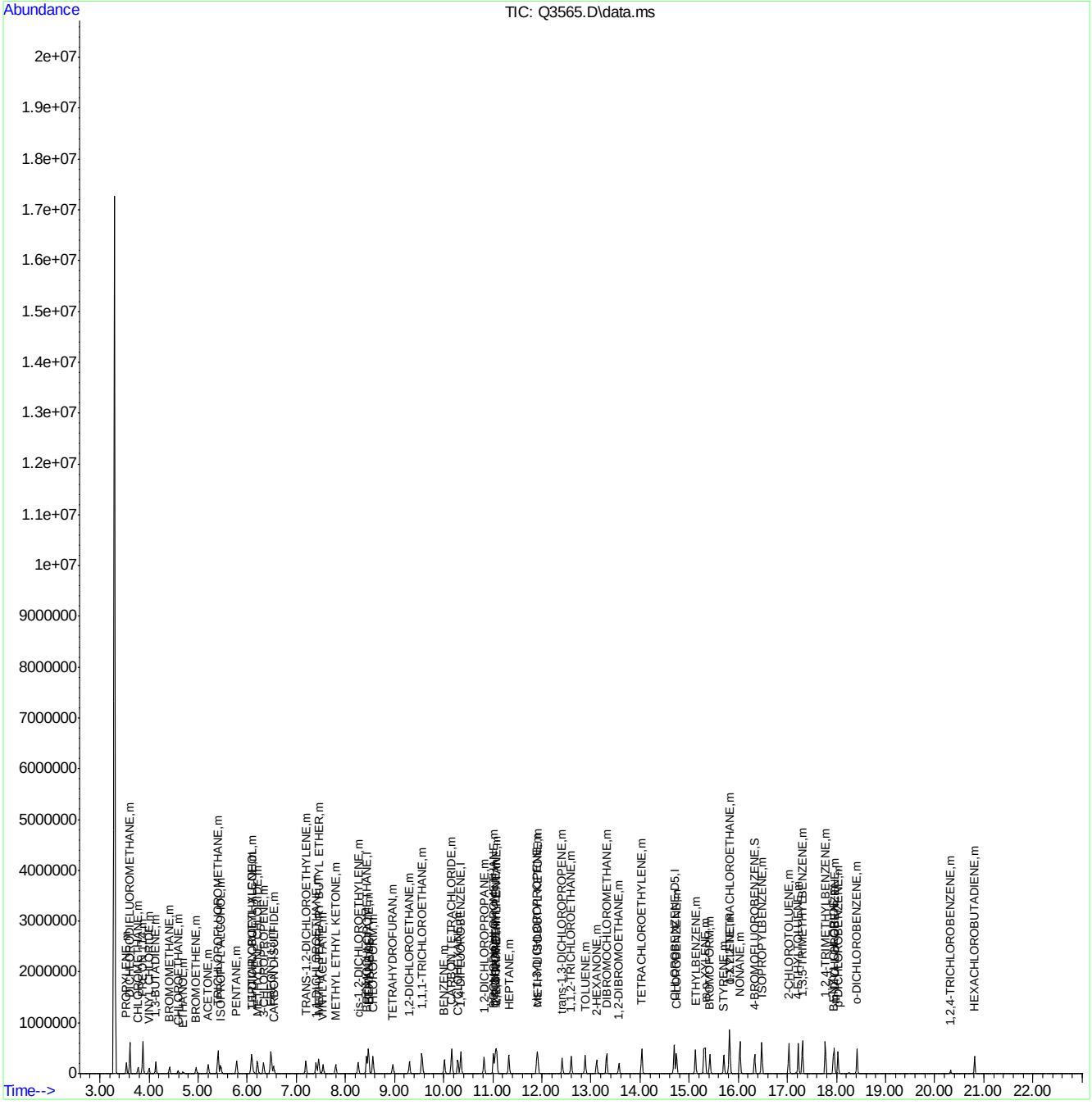
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) METHYL ISOBUTYL KETONE	11.917	43	239259	11.74	PPBV		84
45) cis-1,3-DICHLOROPROPENE	11.895	75	99696	11.68	PPBV	#	47
46) TOLUENE	12.884	92	97326	10.49	PPBV		94
47) trans-1,3-DICHLOROPROPENE	12.414	75	109689	12.65	PPBV	#	98
48) 1,1,2-TRICHLOROETHANE	12.600	83	59140	11.18	PPBV		89
50) 2-HEXANONE	13.113	43	206631	12.74	PPBV		85
51) TETRACHLOROETHYLENE	14.037	164	53558	10.14	PPBV	#	74
52) DIBROMOCHLOROMETHANE	13.319	129	152804	11.17	PPBV		99
53) 1,2-DIBROMOETHANE	13.572	107	108171	10.90	PPBV		98
54) CHLOROBENZENE	14.746	112	120467	10.65	PPBV	#	77
55) ETHYLBENZENE	15.125	91	261284	10.87	PPBV		91
56) m,p-XYLENE	15.326	106	170592m	21.59	PPBV		
57) o-XYLENE	15.828	106	92637	11.22	PPBV	#	71
58) STYRENE	15.704	104	111368	12.30	PPBV		86
59) NONANE	16.034	43	261281	12.01	PPBV		82
60) BROMOFORM	15.420	173	117054	11.44	PPBV		98
62) 1,1,2,2-TETRACHLOROETHANE	15.819	83	161097	12.81	PPBV		97
63) ISOPROPYLBENZENE	16.478	105	305936	11.15	PPBV		89
64) 2-CHLOROTOLUENE	17.030	91	249805	11.81	PPBV		81
65) 4-ETHYLTOLUENE	17.221	105	276651	11.95	PPBV		93
66) 1,3,5-TRIMETHYLBENZENE	17.307	105	268760	12.08	PPBV		89
67) 1,2,4-TRIMETHYLBENZENE	17.772	105	254166	12.98	PPBV		90
68) m-DICHLOROBENZENE	17.956	146	108012	14.78	PPBV		89
69) BENZYL CHLORIDE	17.935	91	160617	20.52	PPBV		86
70) p-DICHLOROBENZENE	18.032	146	98692	15.66	PPBV		89
71) o-DICHLOROBENZENE	18.418	146	108505	17.07	PPBV		88
72) HEXACHLOROBUTADIENE	20.815	225	29239	10.73	PPBV		98
73) 1,2,4-TRICHLOROBENZENE	20.320	180	10822	15.49	PPBV		89

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3565.D
Acq On : 30 May 2007 4:10 pm
Operator : PhilipB
Sample : ICC193-10 (M017)
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 1 Sample Multiplier: 1

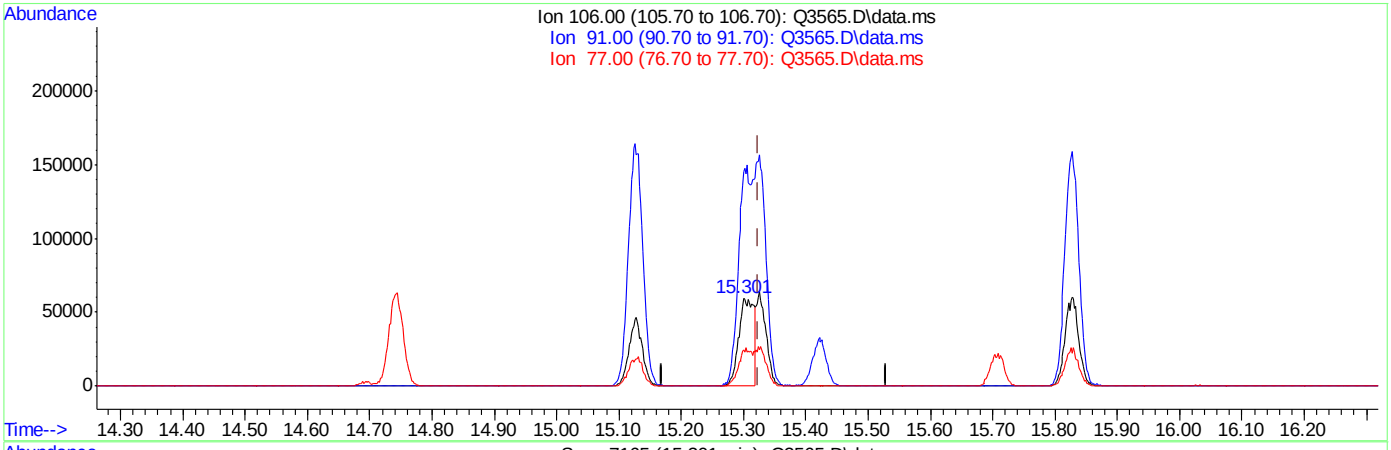
Quant Time: May 30 16:34:03 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 16:00:04 2007
Response via : Initial Calibration

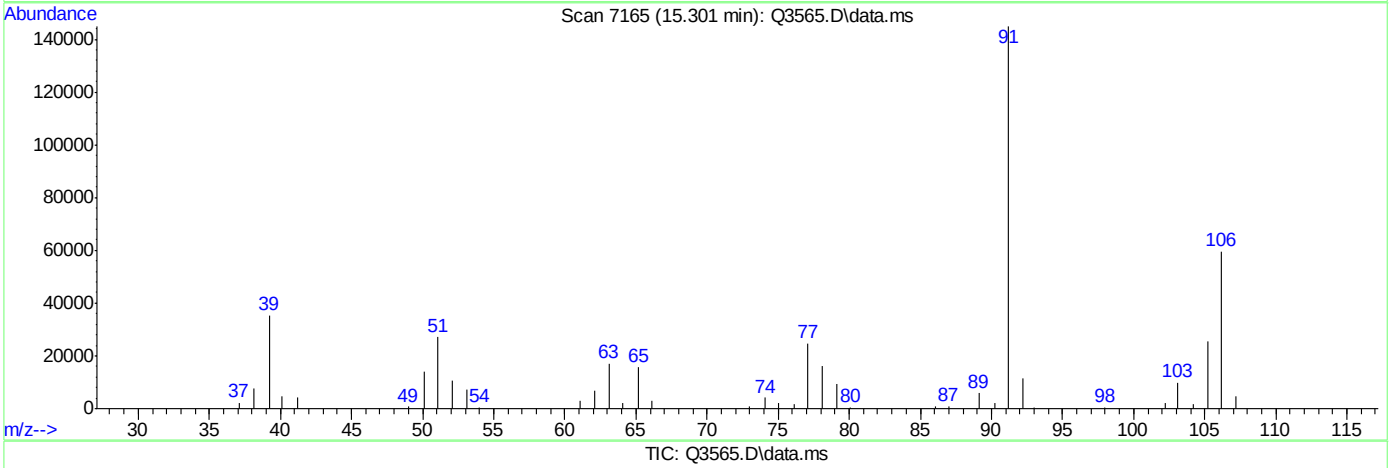


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3565.D
Acq On : 30 May 2007 4:10 pm
Operator : PhilipB
Sample : ICC193-10 (M017)
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 30 16:33:49 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 16:00:04 2007
Response via : Initial Calibration





TIC: Q3565.D\data.ms

(56) m,p-XYLENE (m)

15.301min (-0.023) 12.95PPBV

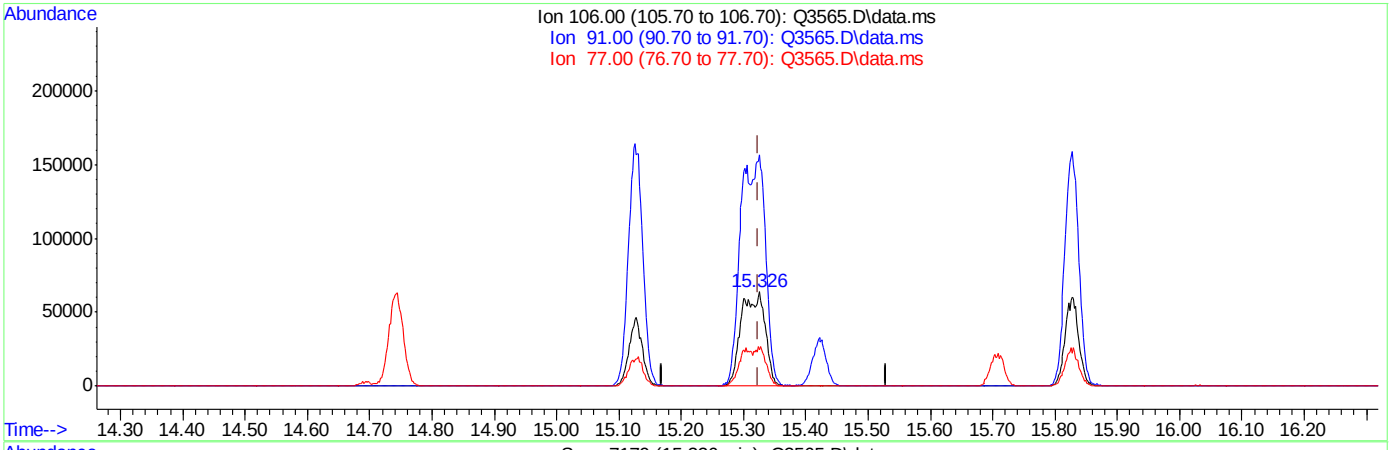
response 102315

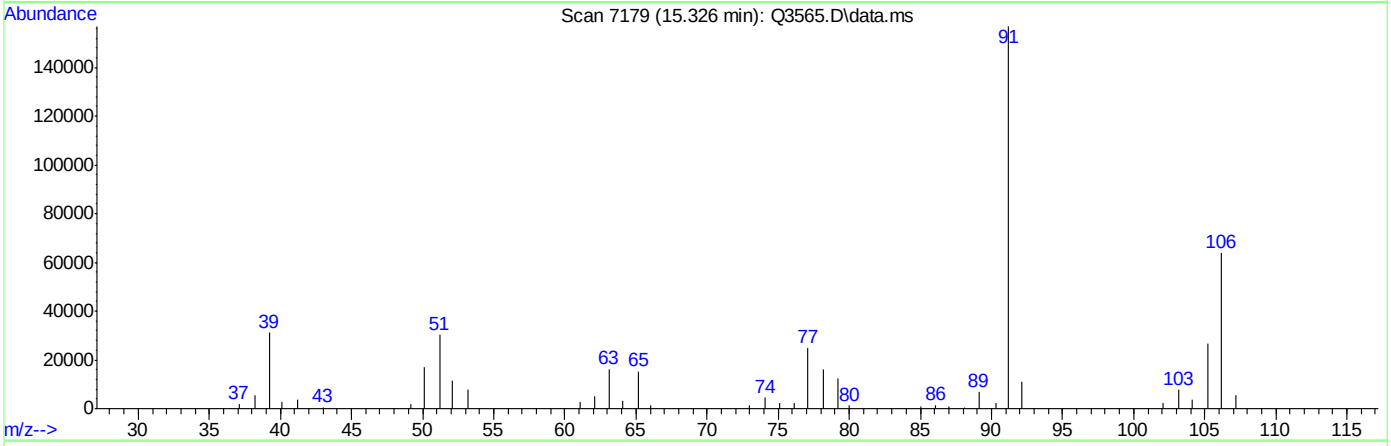
Ion	Exp%	Act%
106.00	100	100
91.00	204.20	242.95
77.00	30.60	41.64#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3565.D
Acq On : 30 May 2007 4:10 pm
Operator : PhilipB
Sample : ICC193-10 (M017)
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 30 16:33:49 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 16:00:04 2007
Response via : Initial Calibration





TIC: Q3565.D\data.ms

(56) m,p-XYLENE (m)

15.326min (+0.002) 21.59PPBV m

response 170592

Ion	Exp%	Act%
106.00	100	100
91.00	204.20	246.15#
77.00	30.60	39.05#
0.00	0.00	0.00

ACCUTEST Laboratories M65503

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
06/01/07 10:29

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3570A.D
Acq On : 31 May 2007 8:52 am
Operator : PhilipB
Sample : IC1V93-10 (M021)
Misc : MS13661, MSQ194,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 31 09:31:16 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 31 09:26:17 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.422	128	29685	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.346	114	141463	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.694	117	121070	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.332	95	81985	5.78	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 115.60%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	3.597	85	241465	9.31	PPBV	79
3) PROPYLENE	3.526	41	52447	10.20	PPBV	91
4) FREON 114	3.859	85	188091	9.62	PPBV #	100
5) CHLOROMETHANE	3.764	50	64807	10.15	PPBV	93
6) VINYL CHLORIDE	3.987	62	54155	9.88	PPBV	72
7) 1,3-BUTADIENE	4.122	39	84558	11.21	PPBV #	100
8) BROMOMETHANE	4.401	94	47087	10.04	PPBV #	100
9) CHLOROETHANE	4.578	64	23313	10.74	PPBV #	100
10) TRICHLOROFLUOROMETHANE	5.393	101	272445	10.71	PPBV #	100
11) ISOPROPYL ALCOHOL	5.441	45	148099	11.03	PPBV	96
12) ACETONE	5.189	43	182479	10.90	PPBV	85
13) PENTANE	5.767	42	76574	11.23	PPBV #	100
14) 1,1-DICHLOROETHYLENE	6.069	96	46355	10.47	PPBV #	1
15) CARBON DISULFIDE	6.523	76	141804	11.77	PPBV #	25
16) ETHANOL	4.676	45	23519	9.88	PPBV #	100
17) BROMOETHENE	4.947	106	43100	9.93	PPBV #	100
18) METHYLENE CHLORIDE	6.195	84	46949	10.49	PPBV #	1
19) 3-CHLOROPROPENE	6.323	39	108489	11.60	PPBV #	1
20) FREON 113	6.474	151	84770	10.51	PPBV #	100
21) TRANS-1,2-DICHLOROETHY...	7.182	96	52047	12.02	PPBV #	100
22) TERTIARY BUTYL ALCOHOL	6.085	59	172906m	13.00	PPBV	
23) METHYL TERTIARY BUTYL ...	7.443	73	190142	11.61	PPBV #	100
24) TETRAHYDROFURAN	8.957	42	77097	10.67	PPBV #	100
25) HEXANE	8.460	57	71363	9.49	PPBV #	100
26) VINYL ACETATE	7.535	43	208993	11.31	PPBV	90
27) 1,1-DICHLOROETHANE	7.389	63	148181	12.04	PPBV #	100
28) METHYL ETHYL KETONE	7.790	43	170910	10.13	PPBV	83
29) cis-1,2-DICHLOROETHYLENE	8.248	96	37723	10.43	PPBV #	100
30) ETHYL ACETATE	8.465	43	264622	10.18	PPBV	100
31) CHLOROFORM	8.552	83	148253	10.18	PPBV #	100
32) 1,1,1-TRICHLOROETHANE	9.553	97	163699	10.07	PPBV #	85
33) CARBON TETRACHLORIDE	10.156	117	172144	10.06	PPBV	97
34) 1,2-DICHLOROETHANE	9.299	62	153139	10.75	PPBV	97
36) BENZENE	10.011	78	110248	10.67	PPBV	85
37) CYCLOHEXANE	10.284	84	37704	10.65	PPBV #	38
38) TRICHLOROETHYLENE	11.049	95	65499	10.37	PPBV #	72
39) 1,2-DICHLOROPROPANE	10.822	63	50414	10.77	PPBV	85
40) BROMODICHLOROMETHANE	11.013	83	153693	10.85	PPBV	97
41) 2,2,4-TRIMETHYLPENTANE	11.077	57	236758	10.71	PPBV #	94
42) 1,4-DIOXANE	11.038	88	17548	10.80	PPBV #	31
43) HEPTANE	11.326	43	117805	10.71	PPBV #	72

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3570A.D
Acq On : 31 May 2007 8:52 am
Operator : PhilipB
Sample : IC1V93-10 (M021)
Misc : MS13661, MSQ194,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 31 09:31:16 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 31 09:26:17 2007
Response via : Initial Calibration

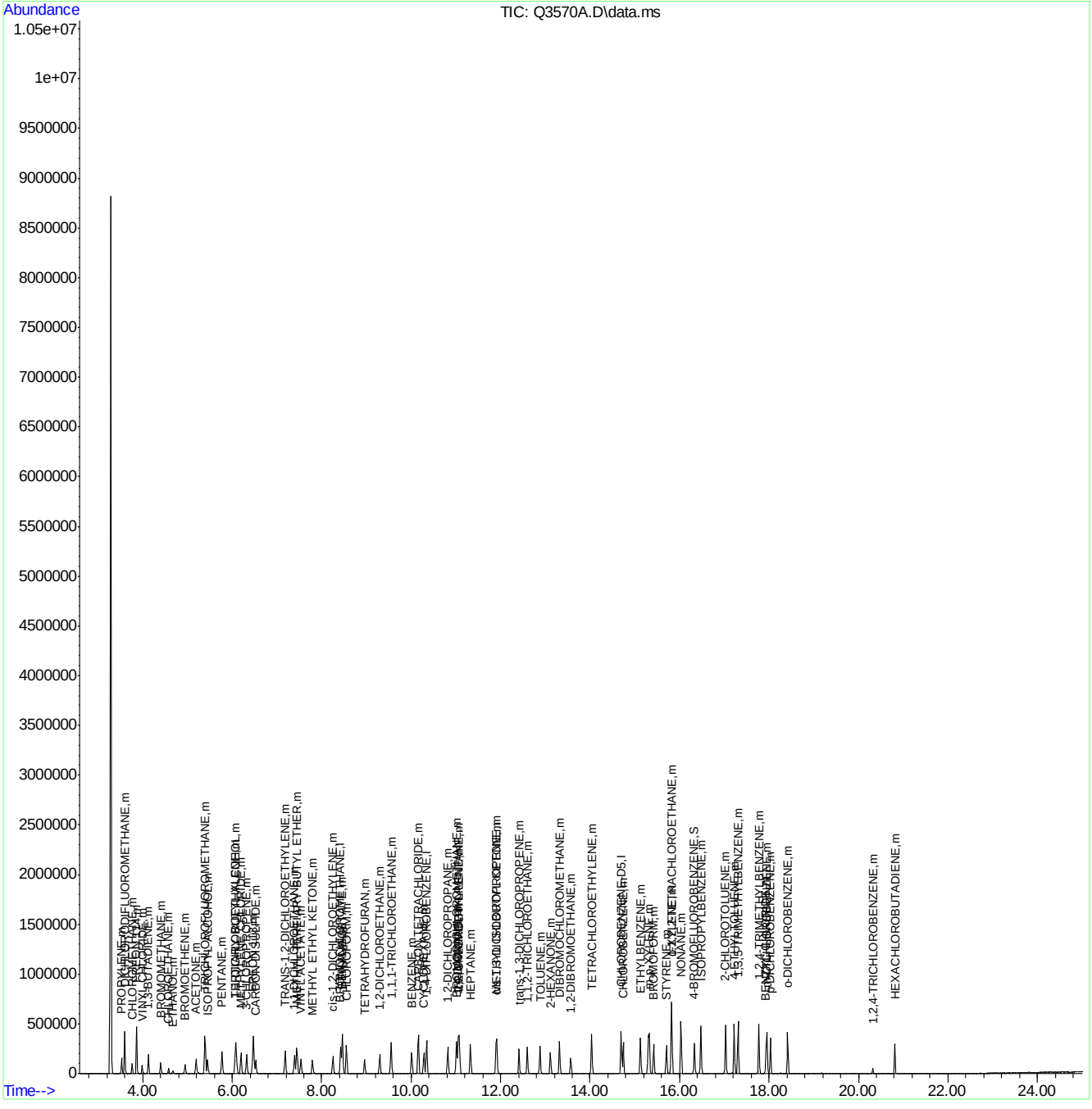
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.912	43	190824	11.77	PPBV	83
45) cis-1,3-DICHLOROPROPENE	11.894	75	75755	11.27	PPBV #	36
46) TOLUENE	12.875	92	71611	9.91	PPBV	93
47) trans-1,3-DICHLOROPROPENE	12.410	75	82088	11.89	PPBV #	97
48) 1,1,2-TRICHLOROETHANE	12.595	83	44673	10.77	PPBV	90
50) 2-HEXANONE	13.109	43	160726	12.32	PPBV	83
51) TETRACHLOROETHYLENE	14.032	164	38631	9.67	PPBV #	73
52) DIBROMOCHLOROMETHANE	13.317	129	114620	10.92	PPBV	99
53) 1,2-DIBROMOETHANE	13.567	107	79932	10.50	PPBV	99
54) CHLOROBENZENE	14.742	112	87353	10.10	PPBV #	71
55) ETHYLBENZENE	15.127	91	197929	10.72	PPBV	90
56) m,p-XYLENE	15.323	106	126911m	20.93	PPBV	
57) o-XYLENE	15.827	106	68053	10.71	PPBV #	61
58) STYRENE	15.704	104	83741	11.87	PPBV #	84
59) NONANE	16.034	43	211502	12.42	PPBV	81
60) BROMOFORM	15.420	173	88184	11.12	PPBV	97
62) 1,1,2,2-TETRACHLOROETHANE	15.818	83	126303	12.30	PPBV	95
63) ISOPROPYLBENZENE	16.476	105	233690	11.06	PPBV	88
64) 2-CHLOROTOLUENE	17.032	91	191443	11.51	PPBV	80
65) 4-ETHYLTOLUENE	17.222	105	217551	11.94	PPBV	90
66) 1,3,5-TRIMETHYLBENZENE	17.309	105	210316	11.87	PPBV	88
67) 1,2,4-TRIMETHYLBENZENE	17.774	105	198330	12.45	PPBV	87
68) m-DICHLOROBENZENE	17.955	146	83607	12.03	PPBV	89
69) BENZYL CHLORIDE	17.933	91	127741	14.93	PPBV	84
70) p-DICHLOROBENZENE	18.029	146	73427	11.33	PPBV	88
71) o-DICHLOROBENZENE	18.420	146	83548	14.70	PPBV	86
72) HEXACHLOROBUTADIENE	20.814	225	22213	13.24	PPBV	97
73) 1,2,4-TRICHLOROBENZENE	20.324	180	7151	10.42	PPBV	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3570A.D
Acq On : 31 May 2007 8:52 am
Operator : PhilipB
Sample : IC1V93-10 (M021)
Misc : MS13661, MSQ194,,,,,1
ALS Vial : 3 Sample Multiplier: 1

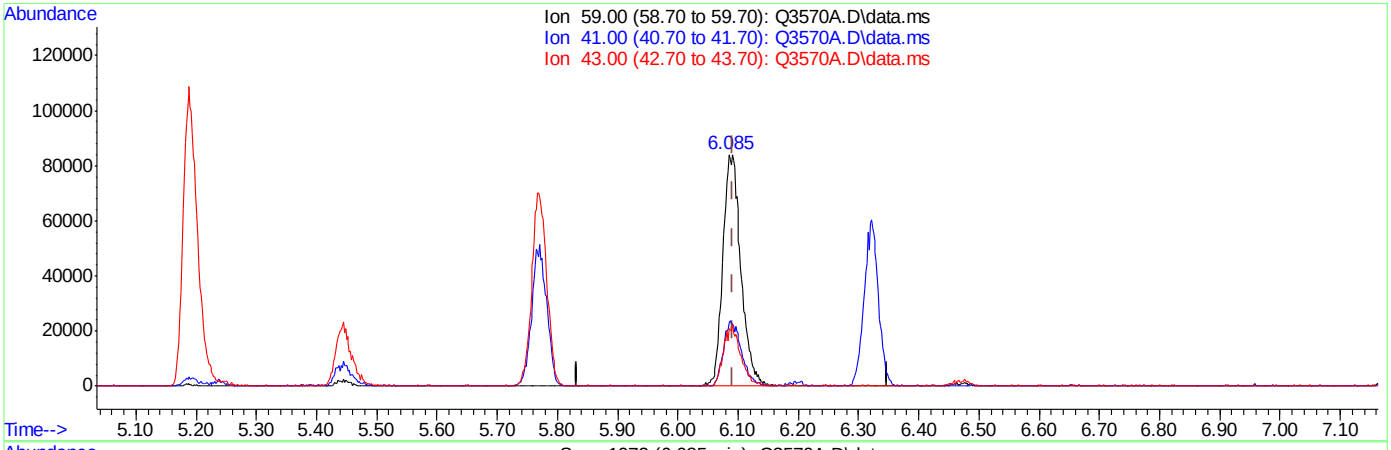
Quant Time: May 31 09:31:16 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 31 09:26:17 2007
Response via : Initial Calibration

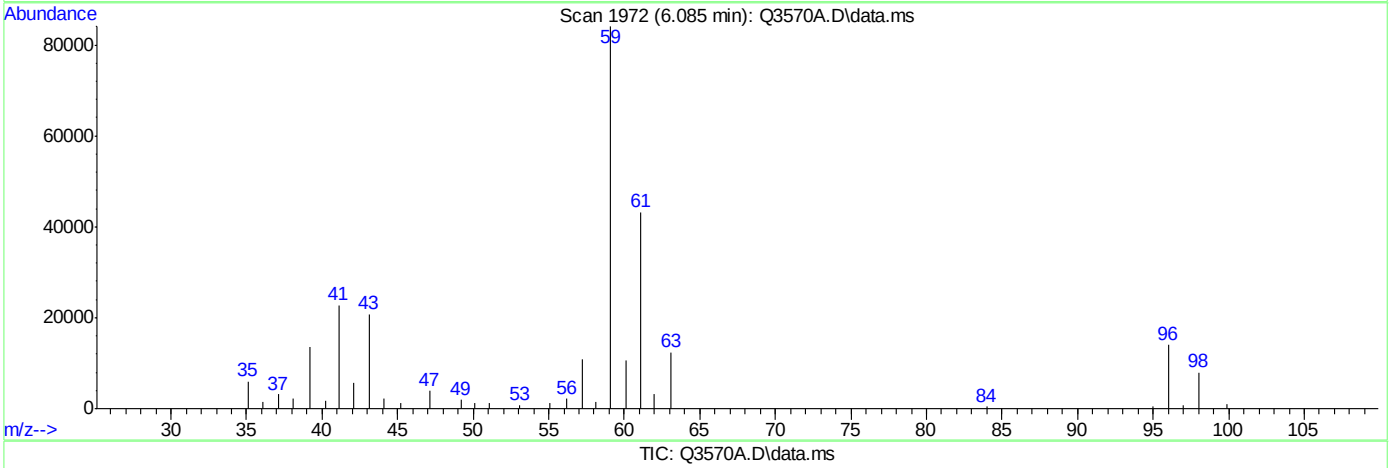


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3570A.D
Acq On : 31 May 2007 8:52 am
Operator : PhilipB
Sample : IC1V93-10 (M021)
Misc : MS13661, MSQ194,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 31 09:27:18 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 31 09:26:17 2007
Response via : Initial Calibration





TIC: Q3570A.D\data.ms

(22) TERTIARY BUTYL ALCOHOL (m)

6.085min (-0.006) 13.05PPBV

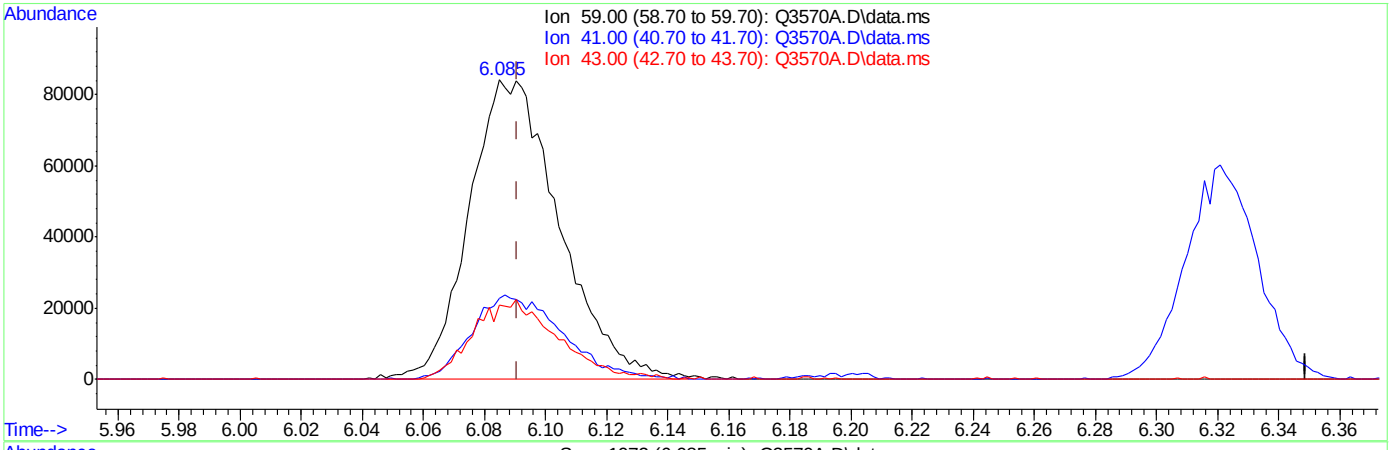
response 173623

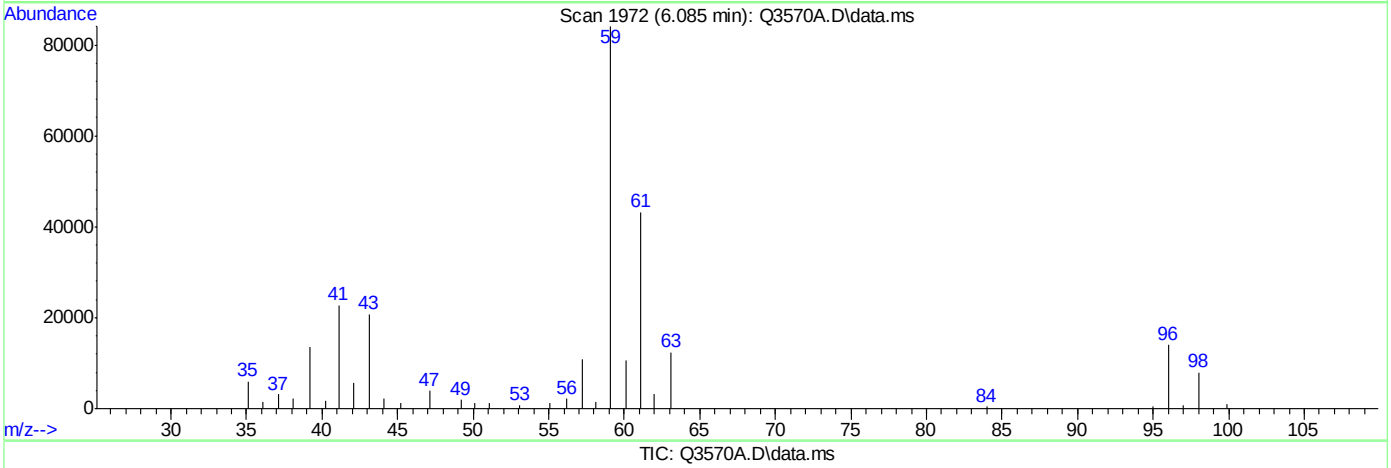
Ion	Exp%	Act%
59.00	100	100
41.00	0.00	28.18#
43.00	0.00	24.87#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3570A.D
Acq On : 31 May 2007 8:52 am
Operator : PhilipB
Sample : IC1V93-10 (M021)
Misc : MS13661, MSQ194,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 31 09:27:18 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 31 09:26:17 2007
Response via : Initial Calibration





TIC: Q3570A.D\data.ms

(22) TERTIARY BUTYL ALCOHOL (m)

6.085min (-0.006) 13.00PPBV m

response 172906

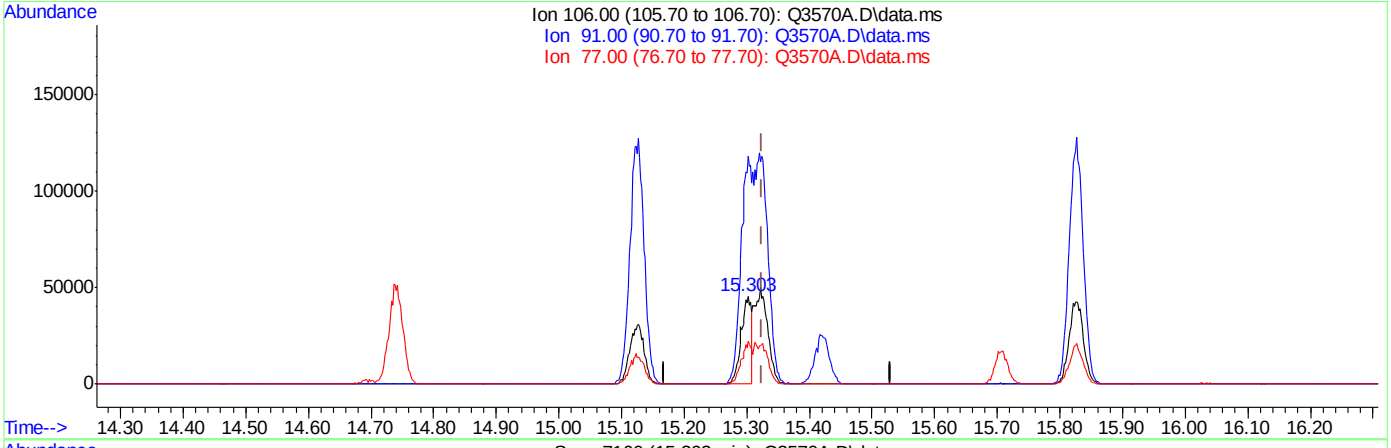
Ion	Exp%	Act%
59.00	100	100
41.00	0.00	28.30#
43.00	0.00	24.98#
0.00	0.00	0.00

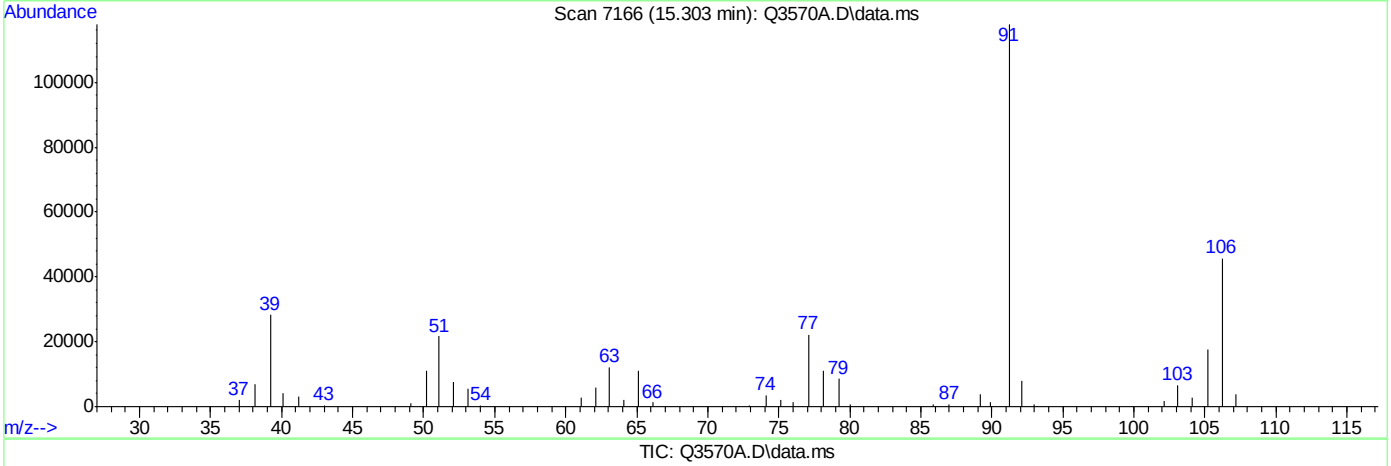
ACCUTEST Laboratories M65503

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3570A.D
Acq On : 31 May 2007 8:52 am
Operator : PhilipB
Sample : IC1V93-10 (M021)
Misc : MS13661, MSQ194,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 31 09:27:18 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 31 09:26:17 2007
Response via : Initial Calibration





TIC: Q3570A.D\data.ms

(56) m,p-XYLENE (m)

15.303min (-0.021) 8.72PPBV

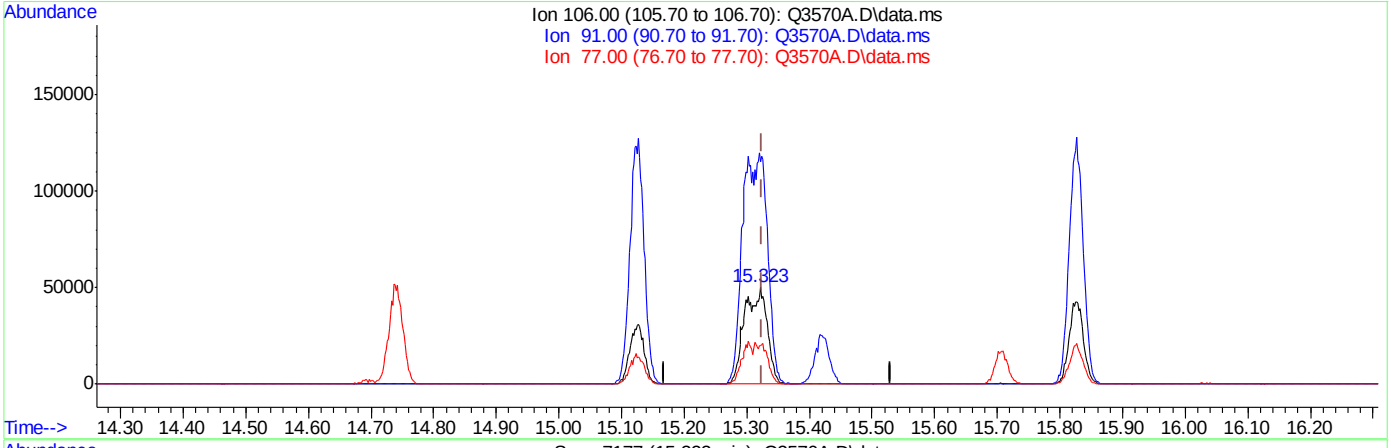
response 52855

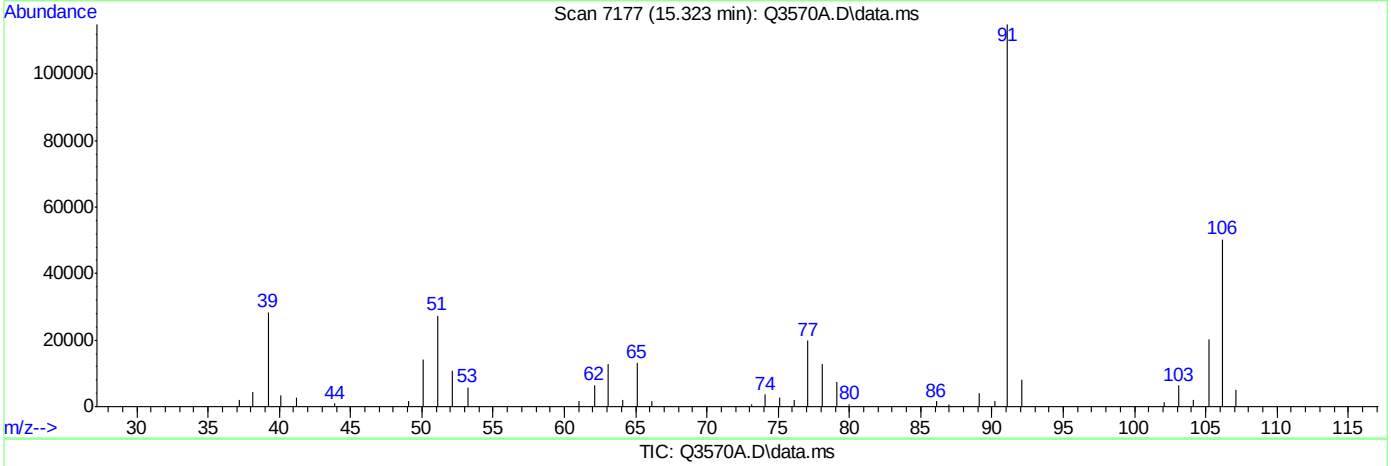
Ion	Exp%	Act%
106.00	100	100
91.00	204.20	257.90#
77.00	30.60	48.46#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3570A.D
Acq On : 31 May 2007 8:52 am
Operator : PhilipB
Sample : IC1V93-10 (M021)
Misc : MS13661, MSQ194,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 31 09:27:18 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 31 09:26:17 2007
Response via : Initial Calibration





TIC: Q3570A.D\data.ms

(56) m,p-XYLENE (m)

15.323min (-0.001) 20.93PPBV m

response 126911

Ion	Exp%	Act%
106.00	100	100
91.00	204.20	228.76
77.00	30.60	39.36#
0.00	0.00	0.00

ACCUTEST Laboratories M65503

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
06/04/07 12:00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3590.D
Acq On : 1 Jun 2007 3:56 pm
Operator : PhilipB
Sample : CC193-10 (M021)
Misc : MS13676, MSQ195,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 01 16:29:13 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Jun 01 16:17:24 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.429	128	36892	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.350	114	179283	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.694	117	152279	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.334	95	94503	5.30	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 106.00%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	3.611	85	322736	10.02	PPBV	77
3) PROPYLENE	3.540	41	58625	9.17	PPBV	91
4) FREON 114	3.873	85	256211	10.54	PPBV #	100
5) CHLOROMETHANE	3.776	50	78868	9.94	PPBV	93
6) VINYL CHLORIDE	3.998	62	68720	10.09	PPBV #	71
7) 1,3-BUTADIENE	4.138	39	108736	11.60	PPBV #	100
8) BROMOMETHANE	4.416	94	62951	10.80	PPBV #	100
9) CHLOROETHANE	4.590	64	32852	12.18	PPBV #	100
10) TRICHLOROFLUOROMETHANE	5.407	101	407974	12.90	PPBV #	100
11) ISOPROPYL ALCOHOL	5.456	45	213480	12.79	PPBV	91
12) ACETONE	5.203	43	265934	12.78	PPBV	86
13) PENTANE	5.781	42	113338	13.37	PPBV #	100
14) 1,1-DICHLOROETHYLENE	6.087	96	74044	13.45	PPBV #	1
15) CARBON DISULFIDE	6.537	76	224335	14.98	PPBV #	26
16) ETHANOL	4.688	45	31474	10.64	PPBV #	100
17) BROMOETHENE	4.961	106	63366	11.75	PPBV #	100
18) METHYLENE CHLORIDE	6.209	84	72874	13.00	PPBV #	1
19) 3-CHLOROPROPENE	6.333	39	164929	14.19	PPBV #	1
20) FREON 113	6.481	151	130117	12.98	PPBV #	100
21) TRANS-1,2-DICHLOROETHY...	7.192	96	83838	15.58	PPBV #	100
22) TERTIARY BUTYL ALCOHOL	6.102	59	257144	15.55	PPBV #	100
23) METHYL TERTIARY BUTYL ...	7.455	73	290464	14.27	PPBV #	100
24) TETRAHYDROFURAN	8.965	42	98414	10.96	PPBV #	100
25) HEXANE	8.465	57	92633	9.91	PPBV #	100
26) VINYL ACETATE	7.544	43	337085	14.67	PPBV	89
27) 1,1-DICHLOROETHANE	7.402	63	233580	15.28	PPBV #	100
28) METHYL ETHYL KETONE	7.801	43	231976	11.07	PPBV	82
29) cis-1,2-DICHLOROETHYLENE	8.264	96	47205	10.50	PPBV #	100
30) ETHYL ACETATE	8.472	43	353968	10.96	PPBV	100
31) CHLOROFORM	8.559	83	198344	10.96	PPBV #	100
32) 1,1,1-TRICHLOROETHANE	9.558	97	216991	10.75	PPBV #	81
33) CARBON TETRACHLORIDE	10.163	117	231558	10.89	PPBV	97
34) 1,2-DICHLOROETHANE	9.304	62	207817	11.74	PPBV	98
36) BENZENE	10.014	78	136056	10.39	PPBV	83
37) CYCLOHEXANE	10.289	84	47035	10.48	PPBV #	37
38) TRICHLOROETHYLENE	11.056	95	88319	11.04	PPBV #	70
39) 1,2-DICHLOROPROPANE	10.827	63	62852	10.59	PPBV	87
40) BROMODICHLOROMETHANE	11.013	83	203689	11.35	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.079	57	305874	10.92	PPBV	95
42) 1,4-DIOXANE	11.051	88	22953	11.15	PPBV #	1
43) HEPTANE	11.329	43	154330	11.07	PPBV #	69

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3590.D
Acq On : 1 Jun 2007 3:56 pm
Operator : PhilipB
Sample : CC193-10 (M021)
Misc : MS13676, MSQ195,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 01 16:29:13 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Jun 01 16:17:24 2007
Response via : Initial Calibration

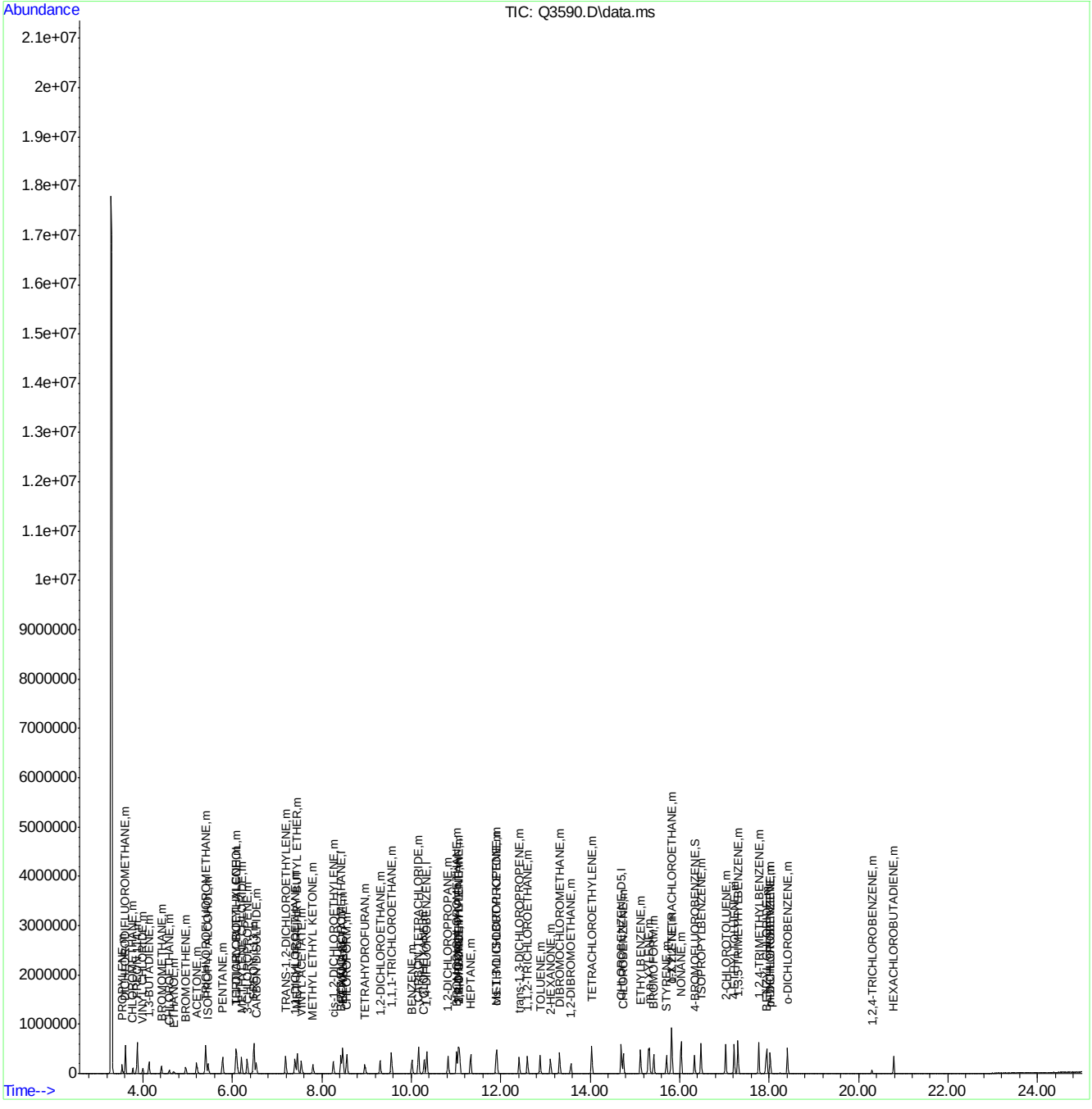
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.917	43	253444	12.34 PPBV	83
45) cis-1,3-DICHLOROPROPENE	11.901	75	97632	11.46 PPBV #	26
46) TOLUENE	12.879	92	89346	9.76 PPBV	91
47) trans-1,3-DICHLOROPROPENE	12.414	75	103625	11.84 PPBV #	98
48) 1,1,2-TRICHLOROETHANE	12.598	83	58514	11.13 PPBV #	86
50) 2-HEXANONE	13.115	43	212402	12.95 PPBV	81
51) TETRACHLOROETHYLENE	14.038	164	46234	9.20 PPBV #	65
52) DIBROMOCHLOROMETHANE	13.320	129	145900	11.06 PPBV	98
53) 1,2-DIBROMOETHANE	13.569	107	97915	10.23 PPBV	100
54) CHLOROBENZENE	14.740	112	110645	10.17 PPBV #	72
55) ETHYLBENZENE	15.127	91	246758	10.62 PPBV	89
56) m,p-XYLENE	15.324	106	152962m	20.06 PPBV	
57) o-XYLENE	15.825	106	83684	10.47 PPBV #	61
58) STYRENE	15.704	104	99134	11.17 PPBV #	81
59) NONANE	16.034	43	266261	12.43 PPBV	79
60) BROMOFORM	15.422	173	105995	10.62 PPBV	97
62) 1,1,2,2-TETRACHLOROETHANE	15.818	83	157539	12.20 PPBV	97
63) ISOPROPYLBENZENE	16.476	105	274187	10.32 PPBV	85
64) 2-CHLOROTOLUENE	17.032	91	225353	10.77 PPBV	75
65) 4-ETHYLTOLUENE	17.221	105	243687	10.63 PPBV	91
66) 1,3,5-TRIMETHYLBENZENE	17.307	105	250270	11.23 PPBV	85
67) 1,2,4-TRIMETHYLBENZENE	17.768	105	223820	11.17 PPBV	86
68) m-DICHLOROBENZENE	18.025	146	79934	9.46 PPBV	88
69) BENZYL CHLORIDE	17.931	91	138875	13.25 PPBV	83
70) p-DICHLOROBENZENE	18.025	146	79663	9.93 PPBV	86
71) o-DICHLOROBENZENE	18.412	146	87442	12.64 PPBV #	84
72) HEXACHLOROBUTADIENE	20.787	225	21492	10.32 PPBV	93
73) 1,2,4-TRICHLOROBENZENE	20.302	180	6925	8.10 PPBV	82

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3590.D
Acq On : 1 Jun 2007 3:56 pm
Operator : PhilipB
Sample : CC193-10 (M021)
Misc : MS13676, MSQ195,,,,,1
ALS Vial : 3 Sample Multiplier: 1

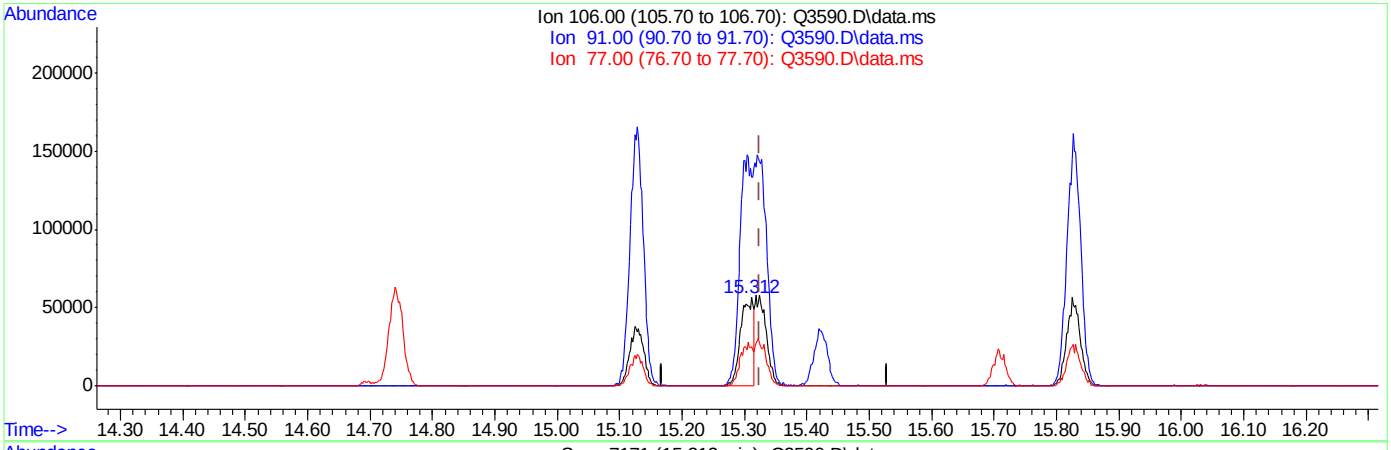
Quant Time: Jun 01 16:29:13 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Jun 01 16:17:24 2007
Response via : Initial Calibration

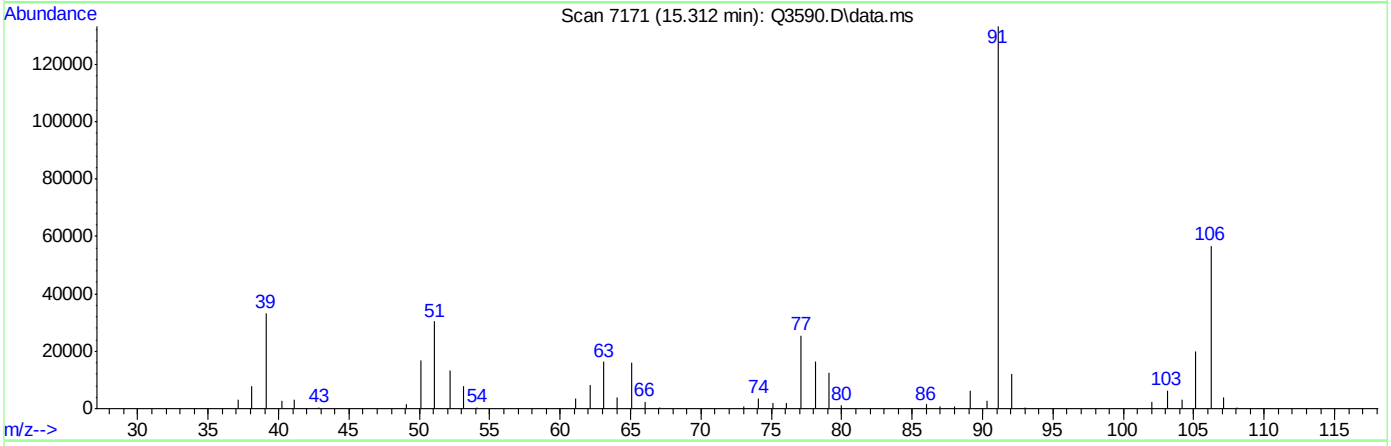


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3590.D
Acq On : 1 Jun 2007 3:56 pm
Operator : PhilipB
Sample : CC193-10 (M021)
Misc : MS13676, MSQ195,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 01 16:29:03 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Jun 01 16:17:24 2007
Response via : Initial Calibration





TIC: Q3590.D\data.ms

(56) m,p-XYLENE (m)

15.312min (-0.012) 10.72PPBV

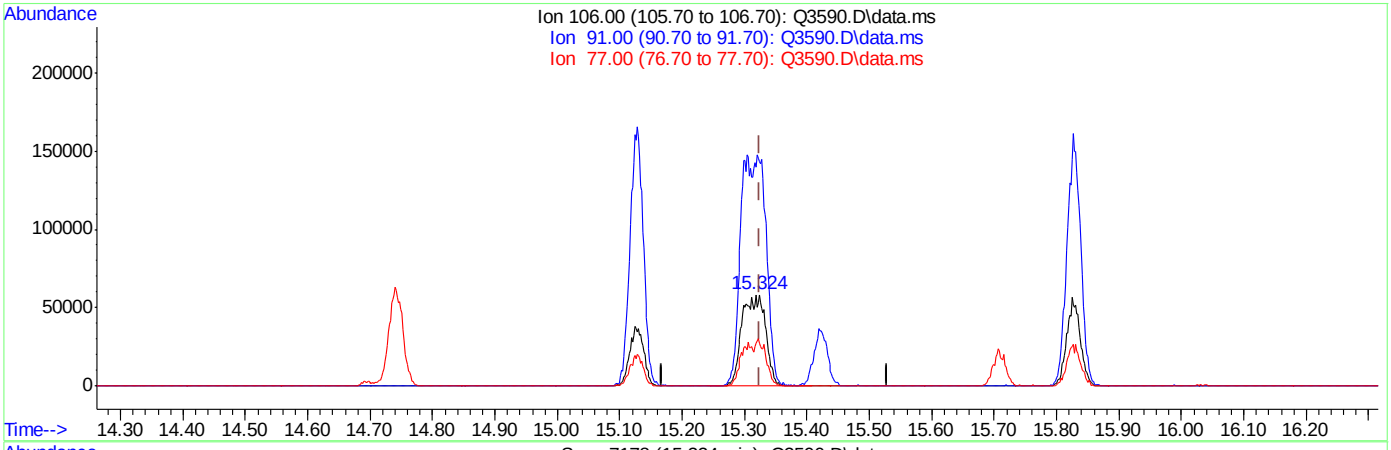
response 81777

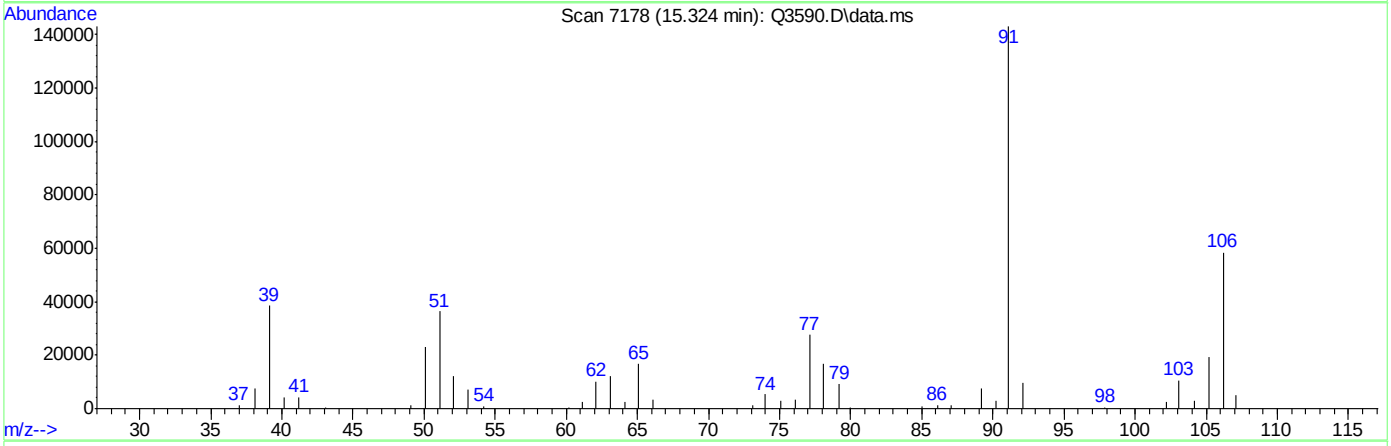
Ion	Exp%	Act%
106.00	100	100
91.00	204.20	235.06
77.00	30.60	44.89#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3590.D
Acq On : 1 Jun 2007 3:56 pm
Operator : PhilipB
Sample : CC193-10 (M021)
Misc : MS13676, MSQ195,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 01 16:29:03 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Jun 01 16:17:24 2007
Response via : Initial Calibration





TIC: Q3590.D\data.ms

(56) m,p-XYLENE (m)

15.324min (+0.000) 20.06PPBV m

response 152962

Ion	Exp%	Act%
106.00	100	100
91.00	204.20	245.10#
77.00	30.60	47.27#
0.00	0.00	0.00

ACCUTEST Laboratories M65503

Standard Lot #	
Calib STD 1	MSA349
Calib STD 2	MSA350
ICV	MSA353
Inter/Surr STD	MSA218
BS/BSD	MSA353

File ID	
Tune File 1	J10580
Tune File 2	J10587A
Initial Cal.	6/7/07
ID FILE	J060707T.M
Instrument ID	J
ICAL:	J10587
Column Type:	RTX-1
Sequence Verified By:	DT 6/8/07

Date:	6/7/2007
Analyst:	DANAT
Batch ID:	msj548
Matrix:	AIR
Approved By:	DOUGY
Date Approved:	6/18/2007 4:20:00 PM

Data File	Sample ID	Bot #	Work Group #	Test	ALS #	Sample Vol (mls)	Diln Factor	Flow controller ID	Comment
J10580	IC548-0.5	m122	MSA350	VTO15STD	1		1		
J10581	IC548-0.2	m122	MSA350	VTO15STD	1		1		
J10582	IC548-2	m122	MSA350	VTO15STD	1		1		
J10583	IC548-5	m109	MSA349	VTO15STD	2		1		
J10584	ICC548-10	m109	MSA349	VTO15STD	2		1		
J10585	IC548-20	m109	MSA349	VTO15STD	2		1		
J10586	IC548-40	m109	MSA349	VTO15STD	2		1		
J10587	ICV548-10	m179	MSA353	VTO15STD	3		1		
J10587a	CC548-100	m179	MSA353	VTO15STD	3		1		
J10587b	BS	m179	MSA353	VTO15STD	3		1		
J10588	BLANK	m151		VTO15STD	4		1		
J10589	MB	m151		VTO15STD	4		1		
J10590	M65248-1	m027	MS13707	VTO15STD	5		1		
J10591	M65248-1DUP	m027	MS13707	VTO15STD	5		1		
J10592	M65284-1	m044	MS13707	VTO15STD	6		1		
J10593	M65285-1	m061	MS13707	VTO15STD	7		1		
J10594	M65325-1	m100	MS13707	VTO15STD	8		1000		Re-run @ 20x , too dilute.
J10595	M65235-2	m064	MS13754	VTO15STD	9		1000		Re-run @ 10x , too dilute.
J10596	SCC	m018		VTO15STD	10		1		
J10597	SCC	m125		VTO15STD	11		1		
J10598	SCC	m139		VTO15STD	12		1		
J10599	SCC	m165		VTO15STD	13		1		
J10600	SCC	m148		VTO15STD	14		1		
J10601	M65235-3	M191	MS13715	VTO15STD	5		1000		Re-run @ 10,000x , over calibration.
J10602	M65235-4	M195	MS13715	VTO15STD	6		1000		Re-run @ 10,000x , over calibration.
J10603	M65235-5	m203	MS13715	VTO15STD	7		1000		Re-run @ 10x , too dilute.
J10604	M65235-6	m204	MS13715	VTO15STD	8		1000		Re-run @ 10x , too dilute.
J10605	M65235-7	m206	MS13715	VTO15STD	9		1000		Re-run @ 10x , too dilute.
J10606	M65235-1	m100	MS13699	VTO15STD	3		20		

Standard Lot #	
Calib STD 1	MSA355
Calib STD 2	NA
ICV	NA
Inter/Surr STD	MSA218
BS/BSD	MSA355

File ID	
Tune File 1	J10631
Tune File 2	NA
Initial Cal.	6/7/07
ID FILE	J060707T.M
Instrument ID	J
ICAL:	
Column Type:	RTX-1
Sequence Verified By:	DT 6/14/07

Date:	6/13/2007
Analyst:	DANAT
Batch ID:	msj551
Matrix:	AIR
Approved By:	PHILIPB
Date Approved:	6/18/2007 11:15:02 AM

Data File	Sample ID	Bot #	Work Group #	Test	ALS #	Sample Vol (mls)	Diln Factor	Flow controller ID	Comment
J10631	CC548-10	m057	MSA355		1		1		
J10631a	BS	m057	MSA355		1		1		
J10632	BLANK	m007			2		1		
J10633	MB	m007			3		1		
J10634	SCC	m021			4		1		fails with acetone hit above 5x RL
J10635	M65235-5	m185	MS13715	VTO15STD	5		10		Re-run , check fails high for some compounds present.
J10636	M65235-6	m193	MS13715	VTO15STD	6		10		Re-run , check fails high for some compounds present.
J10637	M65235-7	m194	MS13715	VTO15STD	7		10		Re-run , check fails high for some compounds present.
J10638	M65474-1DUP	m079	MS13744	VTO15STD	8		1		Internal standards high.
J10639	M65474-1	m079	MS13744	VTO15STD	8		1		
J10640	M65474-2	m120	MS13744	VTO15STD	9		1		
J10641	M65475-1	m103	MS13744	VTO15STD	10		1		Re-run , check fails high for some compounds present.
J10642	SCC	m127		VTO15STD	12		1		

Standard Lot #	
Calib STD 1	MSA362
Calib STD 2	MSA363,MSA357
ICV	MSA361,MSA366
Inter/Surr STD	MSA218
BS/BSD	MSA366

File ID	
Tune File 1	J10755
Tune File 2	J10768A
Initial Cal.	6/25/07
ID FILE	J062507T.M
Instrument ID	J
ICAL:	J10768
Column Type:	RTX-1
Sequence Verified By:	DT 6/26/07

Date:	6/25/2007
Analyst:	DANAT
Batch ID:	msj557
Matrix:	AIR
Approved By:	PHILIPB
Date Approved:	6/27/2007 2:47:28 PM

Data File	Sample ID	Bot #	Work Group #	Test	ALS #	Sample Vol (mls)	Diln Factor	Flow controller ID	Comment
J10755	CC552-10	m045	MSA361	VTO15STD	1		1	NA	
J10756	CC552-10	m045	MSA361	VTO15STD	1		1	NA	
J10757	IC557-0.5	m141	MSA363	VTO15STD	2		1	NA	
J10758	IC557-0.2	m141	MSA363	VTO15STD	2		1	NA	
J10759	IC557-2	m141	MSA363	VTO15STD	2		1	NA	Re-run , vinyl acetate missing
J10760	IC557-40	m172	MSA362	VTO15STD	3		1	NA	
J10761	IC557-20	m172	MSA362	VTO15STD	3		1	NA	
J10762	ICC557-10	m172	MSA362	VTO15STD	3		1	NA	
J10763	IC557-5	m172	MSA362	VTO15STD	3		1	NA	
J10764	IC557-2	m141	MSA363	VTO15STD	2		1	NA	Re-run using different standard, vinyl acetate missing.
J10765	IC557-2	m140	MSA357	VTO15STD	2		1	NA	ok
J10766	ICV557-10	m045	MSA361	VTO15STD	1		1	NA	Fails, re-run using different standard. STD Ddegraded
J10767	ICV557-10	m080	MSA366	VTO15STD	1		1	NA	Fails high , re-run
J10768	ICV557-10	m080	MSA366	VTO15STD	1		1	NA	ok
J10768a	CC557-10	m080	MSA366	VTO15STD	1		1	NA	
J10768b	BS	m080	MSA366	VTO15STD	1		1	NA	
J10769	MB	m050	NA	VTO15STD	5		1	NA	
J10770	SCC	m078	NA	VTO15STD	7		1	NA	
J10771	SCC	m094	NA	VTO15STD	9		1	NA	
J10772	SCC	m040	NA	VTO15STD	11		1	NA	
J10773	M65503-1	m132	MS13762	VTO15STD	2		1200	MC119	Re-run @ 6,000x , over calibration.
J10774	M65503-2	m160	MS13762	VTO15STD	3		1200	MC102	Re-run @ 20x , too dilute.
J10775	M65503-1	m132	MS13762	VTO15STD	2		6000	MC119	
J10776	M65503-2	m092	MS13762	VTO15STD	3		20	MC102	
J10777	M65503-1DUP	m132	MS13762	VTO15STD	2		1200	MS119	
J10778	M65530-1	m162	MS13762	VTO15STD	1		1	NA	
J10779	FCB082	m199	NA	VTO15STD	4		1	MC082	
J10780	FCB083	m199	NA	VTO15STD	5		1	MC061	
J10781	FCB084	m201	NA	VTO15STD	6		1	MC001	
J10782	FCB085	m184	NA	VTO15STD	7		1	MC084	
J10783	FCB086	m205	NA	VTO15STD	8		1	MC032	
J10784	SCC	m072	NA	VTO15STD	9		1	NA	
J10785	SCC	m065	NA	VTO15STD	10		1	NA	

J10786	SCC	m019	NA	VTO15STD	11		1	NA	
J10787	M65793-1	m159	MS13828	VTO15STD	12		1	MC112	
J10788	M65794-1	m024	MS13828	VTO15STD	13		1	MC117	Re-run@ 20x , over calibration.
J10789	M65795-1	m165	MS13828	VTO15STD	14		1	MC106	Do not report, possible carry over
J10790	SCC	m188	NA	VTO15STD	4		1	NA	
J10791	M65794-1	m024	MS13828	VTO15STD	13		20	MC117	
J10792	M65795-1	m165	MS13828	VTO15STD	14		1	MC106	

Standard Lot #	
Calib STD 1	MSA336
Calib STD 2	MSA337
ICV	MSA338
Inter/Surr STD	MSA218
BS/BSD	MSA338

File ID	
Tune File 1	Q3474.D
Tune File 2	NA
Initial Cal.	5-21-07
ID FILE	Q052107T.M
Instrument ID	Q
ICAL:	Q3482.D
Column Type:	RTX-1
Sequence Verified By:	PB 5-22-07

Date:	5/21/2007
Analyst:	PHILIPB
Batch ID:	MSQ189
Matrix:	AIR
Approved By:	DOUGY
Date Approved:	5/23/2007 4:03:23 PM

Data File	Sample ID	Bot #	Work Group #	Test	ALS #	Sample Vol (mls)	Diln Factor	Flow controller ID	Comment
Q3472	CC185-10	M068	MSA338	VTO15STD	1		1	NA	Failed.
Q3473	CC185-10	M068	MSA338	VTO15STD	1		1	NA	Failed; RE-CALIBRATE
Q3474	IC189-40	M060	MSA336	VTO15STD	3		1	NA	O.K.; BFB
Q3475	IC189-20	M060	MSA336	VTO15STD	3		1	NA	O.K.
Q3476	IC189-10	M060	MSA336	VTO15STD	3		1	NA	O.K.
Q3477	IC189-5	M060	MSA336	VTO15STD	3		1	NA	O.K.
Q3478	IC189-2	M060	MSA336	VTO15STD	3		1	NA	O.K.
Q3479	IC189-.5	M044	MSA337	VTO15STD	4		1	NA	O.K.
Q3480	IC189-.2	M044	MSA337	VTO15STD	4		1	NA	O.K.
Q3481	ICV189-10	M068	MSA338	VTO15STD	1		1	NA	ISTD High; re-run.
Q3482	ICV189-10	M068	MSA338	VTO15STD	1		1	NA	O.K.
Q3483	M64897-12	M027	NA	VTO15STD	2		1	NA	O.K.
Q3484	M64897-13	M127	NA	VTO15STD	3		1	NA	O.K.
Q3485	M64897-14	M160	NA	VTO15STD	4		1	NA	O.K.
Q3486	M64897-15	M023	NA	VTO15STD	5		1	NA	O.K.
Q3487	M64897-16	M032	NA	VTO15STD	6		1	NA	O.K.
Q3488	BLK	M117	NA	VTO15STD	7		1	NA	Can contaminated; re-clean.
Q3489	M64897-17	M025	NA	VTO15STD	8		1	NA	O.K.

Standard Lot #	
Calib STD 1	MSA336
Calib STD 2	MSA337
ICV	MSA338
Inter/Surr STD	MSA218
BS/BSD	MSA338

File ID	
Tune File 1	Q3491.D
Tune File 2	NA
Initial Cal.	5-21-07
ID FILE	Q052107T.M
Instrument ID	Q
ICAL:	Q3481.D
Column Type:	RX-1
Sequence Verified By:	PB 5-23-07

Date:	5/22/2007
Analyst:	PHILIPB
Batch ID:	MSQ190
Matrix:	AIR
Approved By:	DOUGY
Date Approved:	5/23/2007 4:07:30 PM

Data File	Sample ID	Bot #	Work Group #	Test	ALS #	Sample Vol (mls)	Diln Factor	Flow controller ID	Comment
Q3490	CC189-10	M068	MSA338	VTO15STD	1		1	NA	Failed; re-run
Q3491	CC189-10	M068	MSA338	VTO15STD	1		1	NA	O.K.
Q3491A	BS	M068	MSA338	VTO15STD	1		1	NA	O.K.
Q3492	MB	M135	MS13602	VTO15STD	2		1	NA	O.K.
Q3492A	M64897-18	M135	NA	VTO15STD	2		1	NA	O.K.
Q3493	M64897-19	M132	NA	VTO15STD	3		1	NA	O.K.
Q3494	M64897-20	M105	NA	VTO15STD	4		1	NA	O.K.
Q3495	M64897-21	M061	NA	VTO15STD	5		1	NA	O.K.
Q3496	M64897-22	M092	NA	VTO15STD	6		1	NA	O.K.
Q3497	M64897-23	M073	NA	VTO15STD	7		1	NA	O.K.
Q3498	M64897-24	M069	NA	VTO15STD	8		1	NA	O.K.
Q3499	M64940-7	M149	MS13602	VTO15STD	16		1	MC045	O.K.
Q3500	M64940-7DUP	M149	MS13602	VTO15STD	16		1	MC045	O.K.

Standard Lot #	
Calib STD 1	MSA341
Calib STD 2	MSA342
ICV	MSA343
Inter/Surr STD	MSA218
BS/BSD	MSA343

File ID	
Tune File 1	Q3559.D
Tune File 2	NA
Initial Cal.	5-30-07
ID FILE	Q053007T.M
Instrument ID	Q
ICAL:	Q3570A.D
Column Type:	RTX-1
Sequence Verified By:	PB 5-31-07

Date:	5/30/2007
Analyst:	PHILIPB
Batch ID:	MSQ193
Matrix:	AIR
Approved By:	DOUGY
Date Approved:	5/31/2007 11:33:12 AM

Data File	Sample ID	Bot #	Work Group #	Test	ALS #	Sample Vol (mls)	Diln Factor	Flow controller ID	Comment
Q3559	IC193-5	M017	MSA341	VTO15STD	1		1	NA	O.K.; BFB
Q3560	IC193-2	M017	MSA341	VTO15STD	1		1	NA	O.K.
Q3561	IC193-.5	M007	MSA342	VTO15STD	2		1	NA	O.K.
Q3562	IC193-.2	M007	MSA342	VTO15STD	2		1	NA	O.K.
Q3563	IC193-40	M017	MSA341	VTO15STD	1		1	NA	O.K.
Q3564	IC193-20	M017	MSA341	VTO15STD	1		1	NA	O.K.
Q3565	IC193-10	M017	MSA341	VTO15STD	1		1	NA	O.K.
Q3566	ICV193-10	M021	MSA343	VTO15STD	3		1	NA	Tetrachloroethene high; re-run
Q3567	MB	M070	NA	VTO15STD	4		1	NA	O.K.
Q3568	FCB076	M201	NA	VTO15STD	5		1	MC050	O.K.
Q3569	FCB077	M184	NA	VTO15STD	6		1	MC114	O.K.

Standard Lot #	
Calib STD 1	MSA341
Calib STD 2	MSA342
ICV	MSA343
Inter/Surr STD	MSA218
BS/BSD	MSA343

File ID	
Tune File 1	Q3570.D
Tune File 2	NA
Initial Cal.	5-30-07
ID FILE	Q053007T.M
Instrument ID	Q
ICAL:	Q3570A.D
Column Type:	RTX-1
Sequence Verified By:	PB 6-1-07

Date:	5/31/2007
Analyst:	PHILIPB
Batch ID:	MSQ194
Matrix:	AIR
Approved By:	DOUGY
Date Approved:	6/1/2007 10:31:04 AM

Data File	Sample ID	Bot #	Work Group #	Test	ALS #	Sample Vol (mls)	Diln Factor	Flow controller ID	Comment
Q3570	CC193-10	M021	MSA343	VTO15STD	3		1	NA	O.K.; BFB
Q3570A	ICV193-10	M021	MSA343	VTO15STD	3		1	NA	O.K.
Q3570B	BS	M021	MSA343	VTO15STD	3		1	NA	O.K.
Q3571	MB	M070	MS13661	VTO15STD	4		1	NA	O.K.
Q3572	M64880-1	M026	MS13652	VTO15STD	5		1000	NA	Report with J10508.D
Q3573	M64880-3	M125	MS13652	VTO15STD	6		1000	NA	Re-run 5000X
Q3574	CP424	M175	MS13661	VTO15STD	5		1	NA	O.K.
Q3575	M64880-3	M052	MS13652	VTO15STD	6		5000	NA	Report with J10510.D
Q3576	M64946-5	M045	MS13661	VTO15STD	7		1	MC100	O.K.
Q3577	M64946-6	M031	MS13661	VTO15STD	8		1	MC101	O.K.
Q3578	M64946-6DUP	M031	MS13661	VTO15STD	8		1	MC101	O.K.
Q3579	M64973-1	M151	MS13661	VTO15STD	9		10	2382	Re-run straight
Q3580	M64973-2	M139	MS13661	VTO15STD	10		10	2379	Re-run straight
Q3581	M64973-2	M139	MS13661	VTO15STD	10		1	2379	O.K.
Q3582	M65018-1	M018	MS13661	VTO15STD	11		1	2261	Re-run 10X
Q3583	M65018-2	M126	MS13661	VTO15STD	12		1	2444	Re-run 10X
Q3584	M65018-3	M035	MS13661	VTO15STD	13		1	2451	Re-run 10X
Q3585	M65018-4	M099	MS13661	VTO15STD	14		1	2100	O.K.
Q3586	M65018-5	M165	MS13661	VTO15STD	15		1	1710	Re-run 10X
Q3587	M65018-6	M097	MS13661	VTO15STD	16		1	2957	ISTD #1 low; re-run
Q3588	M64973-2	M139	MS13661	VTO15STD	10		1	2379	Confirmation only

Standard Lot #	
Calib STD 1	MSA341
Calib STD 2	MSA342
ICV	MSA343
Inter/Surr STD	MSA218
BS/BSD	MSA343

File ID	
Tune File 1	Q3590.D
Tune File 2	NA
Initial Cal.	5-30-07
ID FILE	Q053007T.M
Instrument ID	Q
ICAL:	Q3570A.D
Column Type:	RTX-1
Sequence Verified By:	PB 6-4-07

Date:	6/1/2007
Analyst:	PHILIPB
Batch ID:	MSQ195
Matrix:	AIR
Approved By:	DOUGY
Date Approved:	6/4/2007 12:06:03 PM

Data File	Sample ID	Bot #	Work Group #	Test	ALS #	Sample Vol (mls)	Diln Factor	Flow controller ID	Comment
Q3589	CC193-10	M021	MSA6343	VTO15STD	3		1	NA	ISTD failed; re-run
Q3590	CC193-10	M021	MSA343	VTO15STD	3		1	NA	O.K., BFB
Q3590A	BS	M021	MSA343	VTO15STD	3		1	NA	O.K.
Q3591	MB	M120	MS13676	VTO15STD	4		1	NA	O.K.
Q3591A	CERT-01	M120	MS13676	VTO15STD	4		1	NA	O.K.
Q3592	M64973-1	M151	MS13676	VTO15STD	4		1	2382	O.K.
Q3593	M65018-6	M097	MS13676	VTO15STD	16		1	2957	O.K.
Q3594	M65018-6DUP	M097	MS13676	VTO15STD	16		1	2957	O.K.
Q3595	M65018-1	M018	MS13661	VTO15STD	11		10	2261	Report with Q3582.D
Q3596	M65018-2	M126	MS13661	VTO15STD	12		10	2444	Report with Q3583.D
Q3597	M65018-3	M035	MS13661	VTO15STD	13		10	2451	Re-run 20X
Q3598	M65018-5	M165	MS13661	VTO15STD	15		10	1710	Report with Q3586.D
Q3599	CERT-02	M077	MS13676	VTO15STD	1		1	NA	O.K.
Q3600	CERT-03	M046	MS13676	VTO15STD	2		1	NA	O.K.
Q3601	CERT-04	M136	MS13676	VTO15STD	3		1	NA	O.K.
Q3602	CERT-05	M120	MS13676	VTO15STD	4		1	NA	O.K.
Q3603	CERT-06	M115	MS13676	VTO15STD	5		1	NA	O.K.
Q3604	CERT-07	M060	MS13676	VTO15STD	6		1	NA	O.K.
Q3605	CERT-08	M044	MS13676	VTO15STD	7		1	NA	O.K.
Q3606	CERT-09	M079	MS13676	VTO15STD	8		1	NA	O.K.
Q3607	CERT-10	M074	MS13676	VTO15STD	9		1	NA	O.K.