New England ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

06/19/07

Technical Report for

GEI Consultants, Inc.

Indoor & Outdoor Air Samples Tufts St., Somerville MA

Accutest Job Number: M65248

Sampling Date: 06/01/07

Report to:

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

ATTN: Raymond Siegener, Ph.D.

Total number of pages in report: **290**

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: M65248

Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
M65248-1	06/01/07	15:05	SLS	06/04/07	AIR	Air	045162-2 HAD-SS1
M65248-2	06/01/07	15:05	SLS	06/04/07	AIR	Air	045162-2 HAD-SS2

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	GEI Consultants, Inc.	**Job No**	M65248
Site:	Indoor & Outdoor Air Samples Tufts St., Somerville MA	**Report Date**	6/18/2007 2:24:03 PM

1 Sample was collected on 06/01/2007 and were received at Accutest on 06/04/2007 properly preserved intact. These Samples received an Accutest job number of M65248. 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:** MSJ548

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) M65248-1DUP were used as the QC samples indicated.

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(M65248).

Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Client Sample ID: 045162-2 HAD-SS1
Lab Sample ID: M65248-1 **Date Sampled:** 06/01/07
Matrix: AIR - Air Summa ID: M027 **Date Received:** 06/04/07
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	J10590.D	1	06/07/07	DFT	n/a	n/a	MSJ548
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units
75-00-3	64.52	Chloroethane	ND	0.20	ppbv		ND	0.53	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	ppbv		ND	1.3	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	0.20	0.20	ppbv		1.1	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.35	0.20	ppbv		2.4	1.4	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.20	ppbv		ND	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	ppbv		ND	0.51	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	96%		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

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

ACCUTEST Laboratories

CHAIN OF CUSTODY

Air Sampling Field Data Sheet

FED-EX Tracking #: | Bottle Order Control #: | Lab Quote #: | Lab Job #: M65248

PAGE 1 OF 2

Client / Reporting Information

Company Name: GEI Consultants
Address: 400 Unicorn Park Drive
City: Woburn State: MA Zip: 01801
Project Contact: Mark Ensign E-mail: mensign@geiconsultants.com
Phone #: 781-721-4000 Fax #: 781-721-4073
Sampler(s) Name(s):

Project Name: Tufts St.
Street:
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: v. hot

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.	Requested Analysis: Standard TO-15 Reporting List	MA DEP APH	
M65248-1	045162-2Had-SS1	SV	M027	6L	MC082	6·1·07	1404	30	/	SLS	6·1·07	1505	4	/	SLS			
-2	045162-2Had-SS2	SV	M124	6L	MC111	6·1·07	1404	29	/	SLS	6·1·07	1505	4	/	SLS			HOLD

Turnaround Time / Business days

Standard - 15 Days: X
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

See attached analyte list

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		1	2 GEI Lab	6·1·07 1045	2 Tom Daigle
Relinquished by: 3 Smith	Date Time: 6·1·07 1630	Received By: 3 GEI Lab	Relinquished By: 4 GEILAB/Ray Sayers	Date Time: 6/4/07 1500	Received By: 4
Relinquished by: 5	Date Time: 6/4/07 1620	Received By: 5	Custody Seal #		

SM013-01 (07/14/06)

M65248: Chain of Custody
Page 1 of 2

Indoor Air Sampling Analyte List

- Chloroethane
- Carbon Tetrachloride
- 1,1-Dichloroethane
- 1,1-Dichloroethylene
- 1,2-Dichloroethane
- trans-1,2-Dichloroethylene
- cis-1,2-Dichloroethylene
- 1,1,1-Trichloroethane
- 1,1,2,2-Tetrachloroethane
- 1,1,2-Trichloroethane
- Tetrachloroethylene
- Trichloroethylene
- Vinyl Chloride

Summa Canister and Flow Controller Log

Job Number: M65248
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA
Received: 06/04/07

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
M027	6	29.4	05/24/07	PB	CP414	Q3531.D	M65248-1	06/07/07	DFT	3			1

FLOW CONTROLLERS

Shipping					Receiving		
Flow Crtl ID	Date Out	By	cc/ min	Time hrs.	Date In	By	cc/ min
MC082	05/24/07	PB	80	1	06/08/07	DFT	83.3

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

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

Internal Sample Tracking Chronicle

GEI Consultants, Inc.

Job No: M65248

Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
M65248-1	Collected: 01-JUN-07 15:05 By: SLS		Received: 04-JUN-07 By: RS			
045162-2 HAD-SS1						
M65248-1	TO-15	07-JUN-07 19:35	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: M65248
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
MSJ548-MB	J10589.D	1	06/07/07	DFT	n/a	n/a	MSJ548

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

M65248-1

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
75-00-3	Chloroethane	ND	0.20	ppbv		ND	0.53	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	ppbv		ND	1.3	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
107-06-2	1,2-Dichloroethane	ND	0.20	ppbv		ND	0.81	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
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
127-18-4	Tetrachloroethylene	ND	0.20	ppbv		ND	1.4	ug/m3
79-01-6	Trichloroethylene	ND	0.20	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	ppbv		ND	0.51	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	100%	57-139%

Blank Spike Summary

Job Number: M65248
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
MSJ548-BS	J10587B.D	1	06/07/07	DFT	n/a	n/a	MSJ548

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

M65248-1

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	Limits
75-00-3	Chloroethane	10	11.2	112	70-130
56-23-5	Carbon tetrachloride	10	11.0	110	70-130
75-34-3	1,1-Dichloroethane	10	10.3	103	70-130
75-35-4	1,1-Dichloroethylene	10	11.4	114	70-130
107-06-2	1,2-Dichloroethane	10	10	100	70-130
156-60-5	trans-1,2-Dichloroethylene	10	11.1	111	70-130
156-59-2	cis-1,2-Dichloroethylene	10	10.7	107	70-130
71-55-6	1,1,1-Trichloroethane	10	10.2	102	70-130
79-34-5	1,1,2,2-Tetrachloroethane	10	9.9	99	70-130
79-00-5	1,1,2-Trichloroethane	10	10.1	101	70-130
127-18-4	Tetrachloroethylene	10	10.4	104	70-130
79-01-6	Trichloroethylene	10	10.2	102	70-130
75-01-4	Vinyl chloride	10	11.6	116	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	104%	57-139%

Duplicate Summary

Job Number: M65248
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
M65248-1DUP	J10591.D	1	06/07/07	DFT	n/a	n/a	MSJ548
M65248-1	J10590.D	1	06/07/07	DFT	n/a	n/a	MSJ548

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

M65248-1

CAS No.	Compound	M65248-1 ppbv	Q	DUP ppbv	Q	RPD	Limits
75-00-3	Chloroethane	ND		ND		nc	25
56-23-5	Carbon tetrachloride	ND		ND		nc	25
75-34-3	1,1-Dichloroethane	ND		ND		nc	25
75-35-4	1,1-Dichloroethylene	ND		ND		nc	25
107-06-2	1,2-Dichloroethane	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
71-55-6	1,1,1-Trichloroethane	0.20		0.22		10	25
79-34-5	1,1,2,2-Tetrachloroethane	ND		ND		nc	25
79-00-5	1,1,2-Trichloroethane	ND		ND		nc	25
127-18-4	Tetrachloroethylene	0.35		0.37		6	25
79-01-6	Trichloroethylene	ND		ND		nc	25
75-01-4	Vinyl chloride	ND		ND		nc	25

CAS No.	Surrogate Recoveries	DUP	M65248-1	Limits
460-00-4	4-Bromofluorobenzene	94%	96%	57-139%

Summa Cleaning Certification

Job Number: M65248
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
MSQ189-SCC	Q3483.D	1	05/22/07	PB	n/a	n/a	MSQ189

The QC reported here (Summa M027) applies to the following samples: **Method:** TO-15

Batch CP414 cleaned 05/14/07: M65248-1(M027)

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
75-00-3	Chloroethane	ND	0.20	ppbv		ND	0.53	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	ppbv		ND	1.3	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
107-06-2	1,2-Dichloroethane	ND	0.20	ppbv		ND	0.81	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
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
127-18-4	Tetrachloroethylene	ND	0.20	ppbv		ND	1.4	ug/m3
79-01-6	Trichloroethylene	ND	0.20	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	ppbv		ND	0.51	ug/m3

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

Instrument Performance Check (BFB)

Job Number: M65248
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: M65248
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample: MSJ548-BFB
Lab File ID: J10587A.D
Instrument ID: GCMSJ
Injection Date: 06/07/07
Injection Time: 16:48

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	39509	17.0		Pass
75	30.0 - 66.0% of mass 95	107081	46.1		Pass
95	Base peak, 100% relative abundance	232049	100.0		Pass
96	5.0 - 9.0% of mass 95	15734	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	240270	103.5		Pass
175	4.0 - 9.0% of mass 174	12172	5.2	(5.1) [a]	Pass
176	93.0 - 101.0% of mass 174	234552	101.1	(97.6) [a]	Pass
177	5.0 - 9.0% of mass 176	15830	6.8	(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
MSJ548-CC548	J10587A.D	06/07/07	16:48	00:00	Continuing cal 10
MSJ548-BS	J10587B.D	06/07/07	16:48	00:00	Blank Spike
MSJ548-MB	J10589.D	06/07/07	18:41	01:53	Method Blank
MSJ548-SCC	J10589A.D	06/07/07	18:41	01:53	Summa Cleaning Certification
M65248-1	J10590.D	06/07/07	19:35	02:47	045162-2 HAD-SS1
M65248-1DUP	J10591.D	06/07/07	20:28	03:40	Duplicate
ZZZZZZ	J10592.D	06/07/07	21:22	04:34	(unrelated sample)
ZZZZZZ	J10593.D	06/07/07	22:12	05:24	(unrelated sample)
ZZZZZZ	J10594.D	06/07/07	23:03	06:15	(unrelated sample)
ZZZZZZ	J10595.D	06/07/07	23:54	07:06	(unrelated sample)
MSJ548-SCC	J10596.D	06/08/07	00:44	07:56	Summa Cleaning Certification
MSJ548-SCC	J10597.D	06/08/07	01:34	08:46	Summa Cleaning Certification
MSJ548-SCC	J10598.D	06/08/07	08:56	16:08	Summa Cleaning Certification
MSJ548-SCC	J10599.D	06/08/07	09:47	16:59	Summa Cleaning Certification
MSJ548-SCC	J10600.D	06/08/07	10:38	17:50	Summa Cleaning Certification
ZZZZZZ	J10601.D	06/08/07	11:33	18:45	(unrelated sample)
ZZZZZZ	J10602.D	06/08/07	12:24	19:36	(unrelated sample)
ZZZZZZ	J10606.D	06/08/07	16:02	23:14	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: M65248
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

Volatile Internal Standard Area Summary

Job Number: M65248
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Check Std:	MSJ548-ICC548	**Injection Date:**	06/07/07
Lab File ID:	J10584.D	**Injection Time:**	14:01
Instrument ID:	GCMSJ	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	335391	8.62	1562152	10.44	1446956	14.68
Upper Limit [a]	469547	8.95	2187013	10.77	2025738	15.01
Lower Limit [b]	201235	8.29	937291	10.11	868174	14.35

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
MSJ548-BS	350642	8.63	1587599	10.45	1421456	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: M65248
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Check Std:	MSJ548-CC548	**Injection Date:**	06/07/07
Lab File ID:	J10587A.D	**Injection Time:**	16:48
Instrument ID:	GCMSJ	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	350642	8.63	1587599	10.45	1421456	14.68
Upper Limit [a]	490899	8.96	2222639	10.78	1990038	15.01
Lower Limit [b]	210385	8.30	952559	10.12	852874	14.35

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
MSJ548-MB	349729	8.62	1565972	10.43	1349596	14.66
MSJ548-SCC	349729	8.62	1565972	10.43	1349596	14.66
M65248-1	324788	8.62	1414932	10.43	1250626	14.66
M65248-1DUP	303894	8.61	1248309	10.42	1124442	14.66
ZZZZZZ	309729	8.62	1291951	10.43	1129523	14.67
ZZZZZZ	292544	8.62	1237382	10.44	1093356	14.67
ZZZZZZ	265858	8.65	1055948	10.46	1006591	14.69
ZZZZZZ	291569	8.63	1187580	10.45	1077946	14.67
MSJ548-SCC	280730	8.63	1194072	10.44	1079884	14.67
MSJ548-SCC	282837	8.62	1134746	10.43	1047764	14.67
MSJ548-SCC	259370	8.63	877810*	10.44	722109*	14.67
MSJ548-SCC	303065	8.62	1137695	10.43	1026188	14.66
MSJ548-SCC	309500	8.61	1138408	10.43	1004543	14.66
ZZZZZZ	233385	8.63	863523[c]	10.44	815927[c]	14.67
ZZZZZZ	273901	8.62	997028	10.43	911165	14.66
ZZZZZZ	272457	8.62	985320	10.43	846902[c]	14.67

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: M65248
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Check Std:	MSQ189-ICC189	**Injection Date:**	05/21/07
Lab File ID:	Q3476.D	**Injection Time:**	18:52
Instrument ID:	GCMSQ	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	78900	8.43	358303	10.35	293813	14.70
Upper Limit [a]	110460	8.76	501624	10.68	411338	15.03
Lower Limit [b]	47340	8.10	214982	10.02	176288	14.37

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
MSQ189-SCC	70280	8.42	315332	10.34	268901	14.69
MSQ189-SCC	82327	8.43	356617	10.35	307656	14.69
MSQ189-SCC	89672	8.43	372430	10.35	320231	14.69
MSQ189-SCC	84355	8.42	358324	10.34	299171	14.70
MSQ189-SCC	88019	8.42	379486	10.35	324914	14.70
MSQ189-SCC	85834	8.43	371646	10.35	324787	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: M65248
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: M65248
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: M65248
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: M65248
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: M65248
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: M65248
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: M65248
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: M65248
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: M65248
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: M65248
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: M65248
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: M65248
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: M65248
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: M65248
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: M65248
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: M65248
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: M65248
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: M65248
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

Job Number: M65248
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)
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: M65248
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

Job Number: M65248
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)
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: M65248
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: M65248
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: M65248
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: M65248
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: M65248
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: M65248
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: M65248
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

Volatile Surrogate Recovery Summary

Job Number: M65248
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
M65248-1	J10590.D	96.0
M65248-1DUP	J10591.D	94.0
MSJ548-BS	J10587B.D	104.0
MSJ548-MB	J10589.D	100.0
MSQ189-SCC	Q3483.D	96.0

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

Initial Calibration Summary

Job Number: M65248 **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: M65248 **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: M65248 **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
```

Continuing Calibration Summary

Job Number: M65248 **Sample:** MSJ548-CC548
Account: GEI GEI Consultants, Inc. **Lab FileID:** J10587A.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\J10587A.D Vial: 3
Acq On : 7 Jun 2007 4:48 pm Operator: danat
Sample : cc548-10 (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

Continuing Calibration Summary

Job Number: M65248 **Sample:** MSJ548-CC548
Account: GEI GEI Consultants, Inc. **Lab FileID:** J10587A.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

Continuing Calibration Summary

Job Number: M65248 **Sample:** MSJ548-CC548
Account: GEI GEI Consultants, Inc. **Lab FileID:** J10587A.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	0.000	0.000	0.0	0#	0.00	20.40

(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 15:36:35 2007

Initial Calibration Verification

Job Number: M65248 **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: M65248 **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: M65248 **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

Initial Calibration Summary

Job Number: M65248 **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: M65248 **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: M65248 **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: M65248 **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: M65248 **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

GC/MS Volatiles

Raw Data

Manual Integrations APPROVED (compounds with "m" flag)
Philip Bassignani
06/18/07 11:43

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10590.D
Acq On : 7 Jun 2007 7:35 pm
Operator : danat
Sample : m65248-1 (m027)
Misc : MS13707, MSJ548,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 08 16:00:59 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

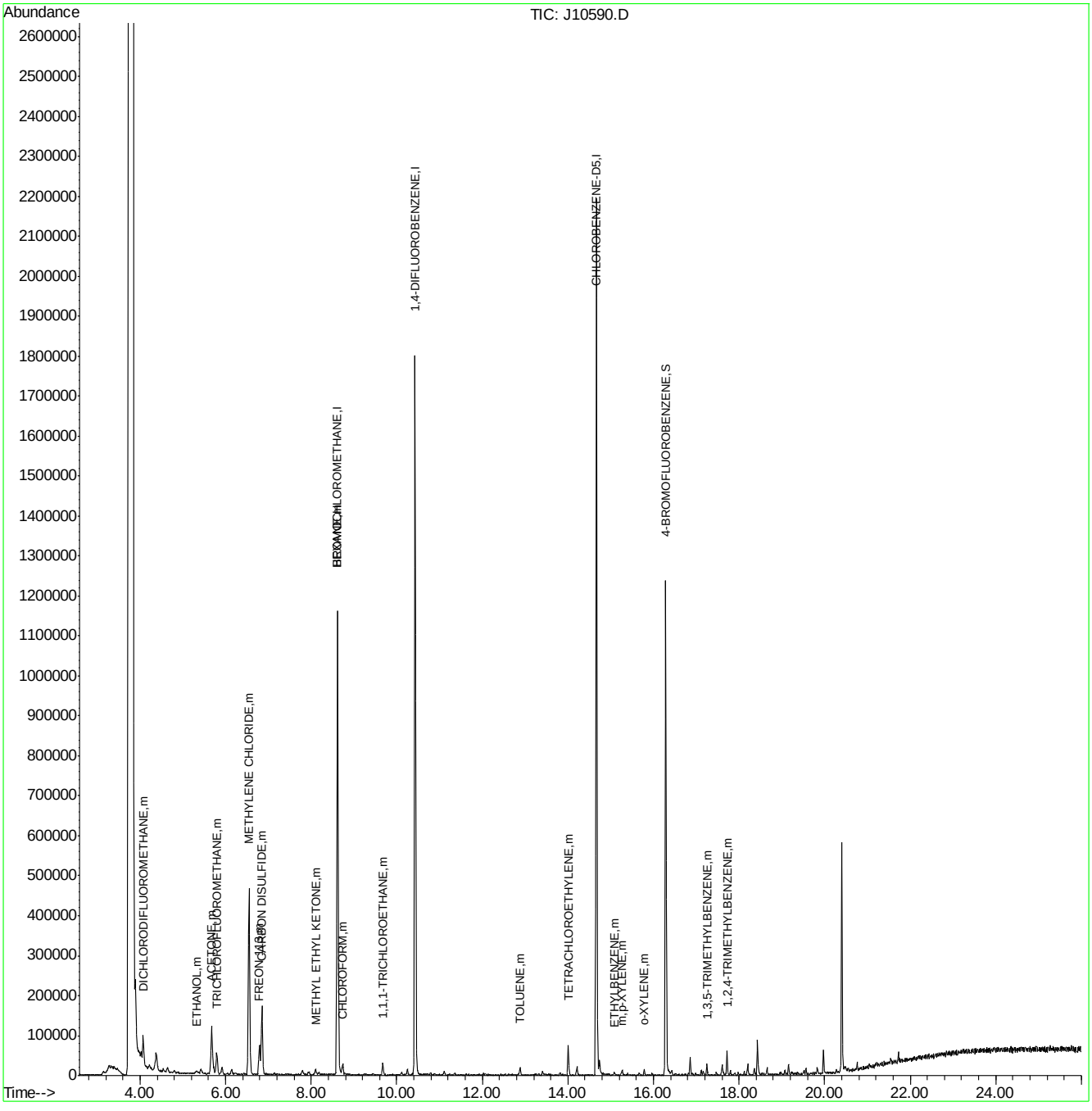
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	324788	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.43	114	1414932	10.00	PPBV	-0.01
49) CHLOROBENZENE-D5	14.66	117	1250626	10.00	PPBV	-0.01
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.29	95	365118	4.81	PPBV	-0.01
Spiked Amount 5.000	Range 51 - 142		Recovery = 96.20%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.07	85	76684	0.68	PPBV	99
10) TRICHLOROFLUOROMETHANE	5.79	101	54595	0.47	PPBV	99
12) ACETONE	5.67	43	183553	4.17	PPBV	97
15) CARBON DISULFIDE	6.85	76	284810	2.76	PPBV	97
16) ETHANOL	5.32	45	17965m	2.63	PPBV	
18) METHYLENE CHLORIDE	6.54	84	249122	6.70	PPBV	99
20) FREON 113	6.79	151	30952	0.41	PPBV #	88
25) HEXANE	8.62	57	55125	1.62	PPBV	95
28) METHYL ETHYL KETONE	8.10	43	19682	0.50	PPBV	92
31) CHLOROFORM	8.74	83	17919	0.23	PPBV	98
32) 1,1,1-TRICHLOROETHANE	9.67	97	17261	0.20	PPBV	99
46) TOLUENE	12.88	92	8021	1.13	PPBV	98
51) TETRACHLOROETHYLENE	14.00	164	17322	0.35	PPBV	99
55) ETHYLBENZENE	15.08	91	4515	1.09	PPBV	94
56) m,p-XYLENE	15.27	106	3356	2.21	PPBV #	50
57) o-XYLENE	15.78	106	3935	1.15	PPBV	92
66) 1,3,5-TRIMETHYLBENZENE	17.25	105	15454	1.35	PPBV	97
67) 1,2,4-TRIMETHYLBENZENE	17.71	105	28679	1.58	PPBV	97

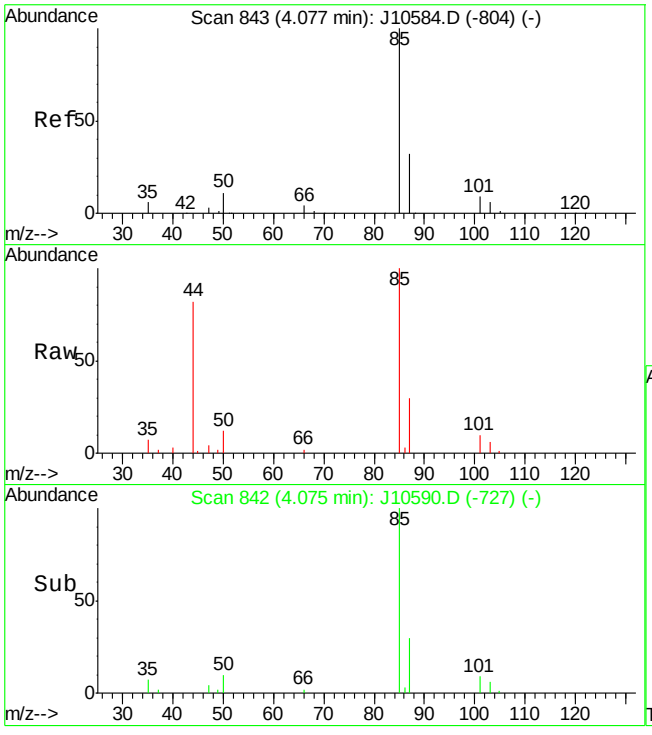
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10590.D
Acq On : 7 Jun 2007 7:35 pm
Operator : danat
Sample : m65248-1 (m027)
Misc : MS13707, MSJ548,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 08 16:00:59 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

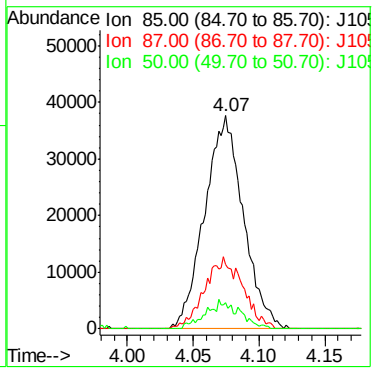


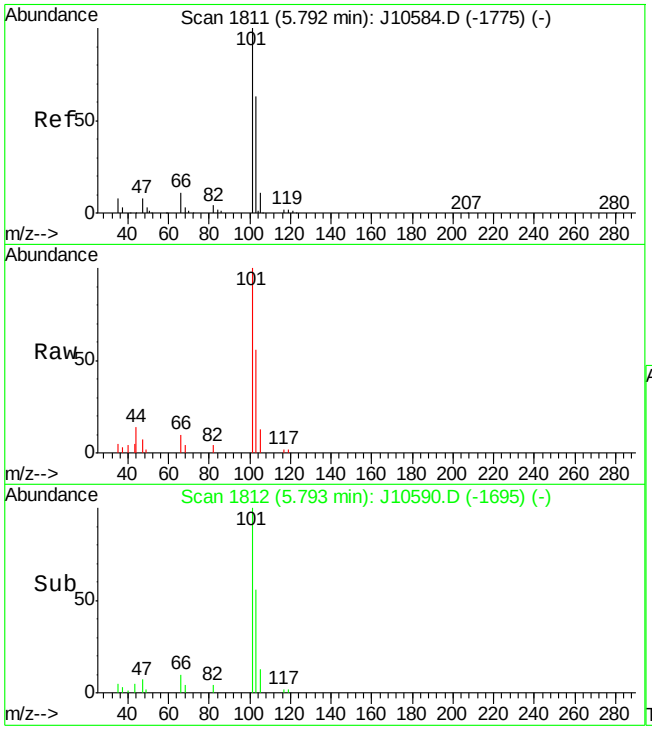


#2
DICHLORODIFLUOROMETHANE
Concen: 0.68 PPBV
RT: 4.07 min Scan# 842
Delta R.T. -0.00 min
Lab File: J10590.D
Acq: 7 Jun 2007 7:35 pm

Tgt Ion: 85 Resp: 76684

Ion	Ratio	Lower	Upper
85	100		
87	33.2	12.5	52.5
50	11.6	0.0	31.4

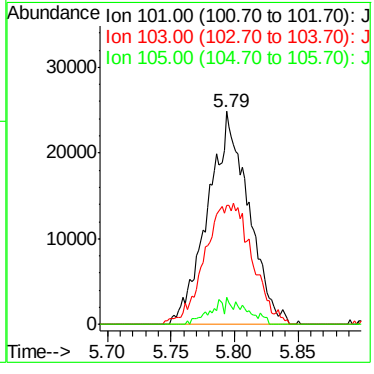


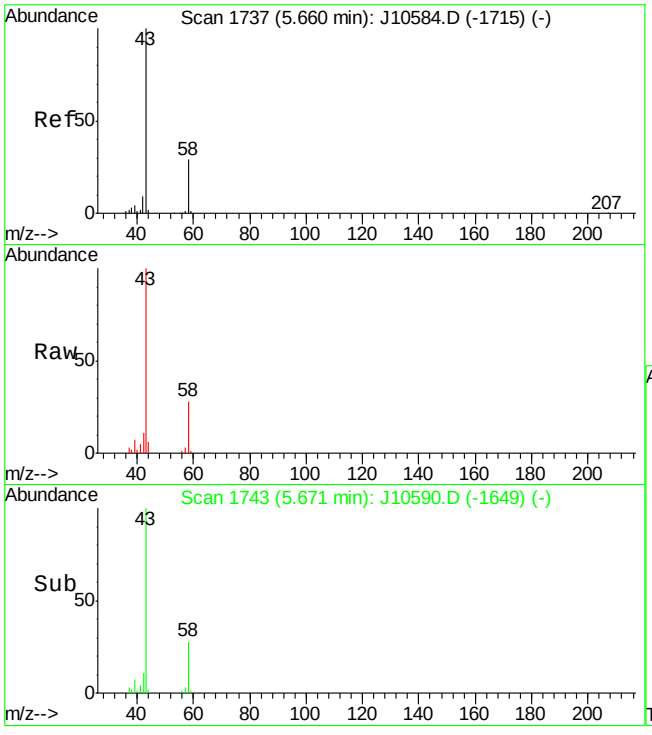


#10
TRICHLOROFLUOROMETHANE
Concen: 0.47 PPBV
RT: 5.79 min Scan# 1812
Delta R.T. 0.00 min
Lab File: J10590.D
Acq: 7 Jun 2007 7:35 pm

Tgt Ion:101 Resp: 54595

Ion	Ratio	Lower	Upper
101	100		
103	65.8	44.9	84.9
105	10.3	0.0	30.6

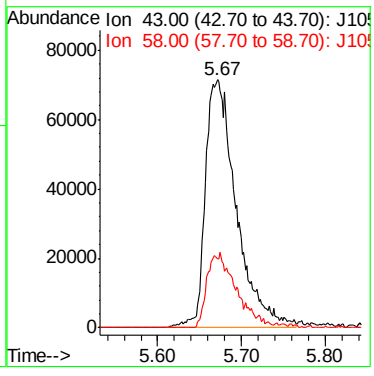


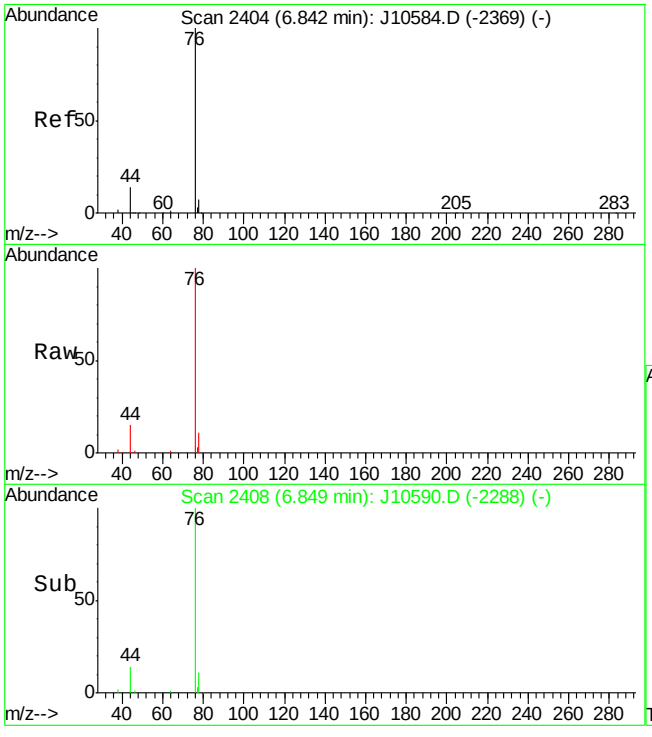


#12
ACETONE
Concen: 4.17 PPBV
RT: 5.67 min Scan# 1743
Delta R.T. 0.01 min
Lab File: J10590.D
Acq: 7 Jun 2007 7:35 pm

Tgt Ion: 43 Resp: 183553

Ion	Ratio	Lower	Upper
43	100		
58	29.3	7.7	47.7

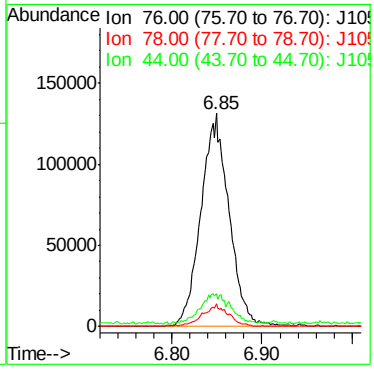


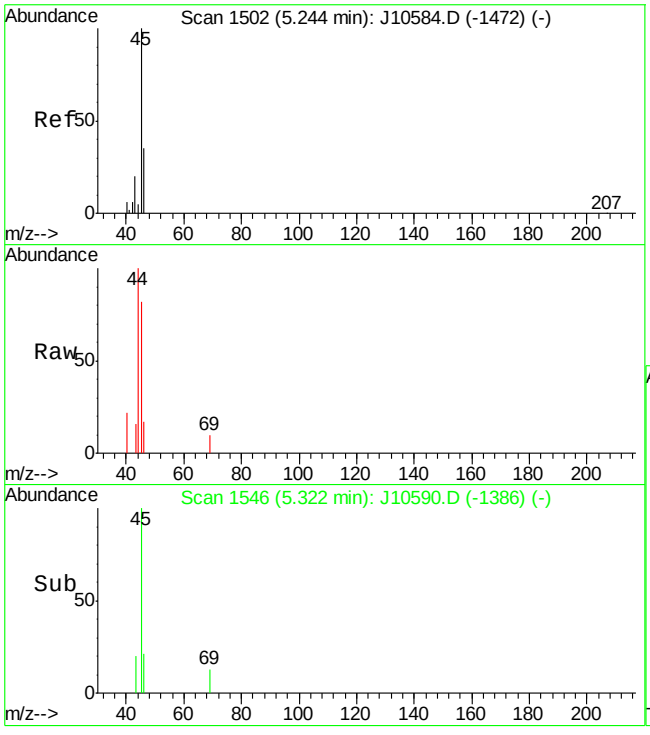


#15
CARBON DISULFIDE
Concen: 2.76 PPBV
RT: 6.85 min Scan# 2408
Delta R.T. 0.01 min
Lab File: J10590.D
Acq: 7 Jun 2007 7:35 pm

Tgt Ion: 76 Resp: 284810

Ion	Ratio	Lower	Upper
76	100		
78	9.6	0.0	29.3
44	15.6	0.0	34.0

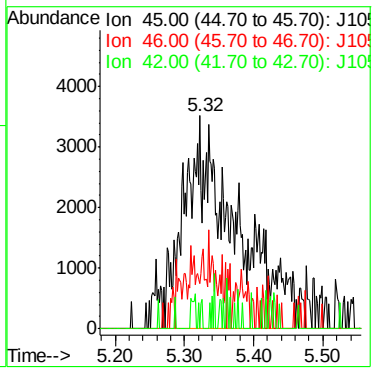


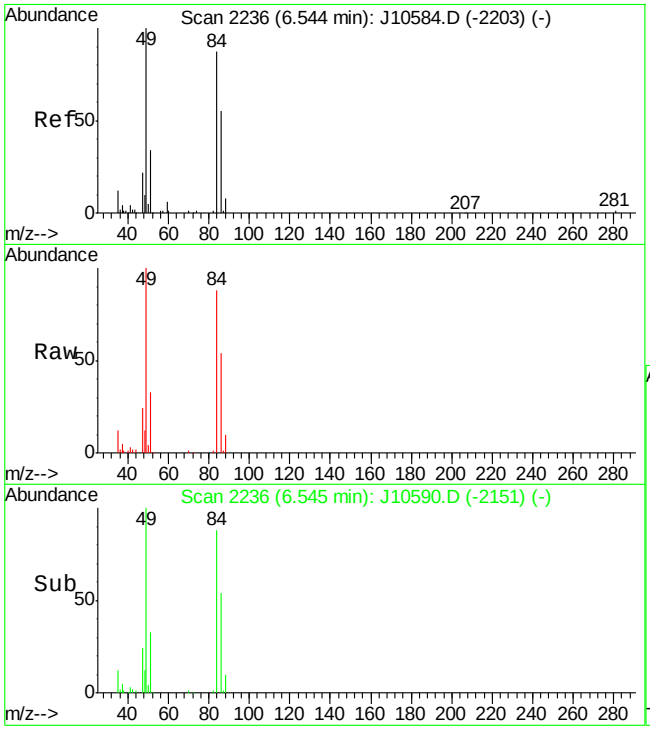


#16
ETHANOL
Concen: 2.63 PPBV m
RT: 5.32 min Scan# 1546
Delta R.T. 0.08 min
Lab File: J10590.D
Acq: 7 Jun 2007 7:35 pm

Tgt Ion: 45 Resp: 17965

Ion	Ratio	Lower	Upper
45	100		
46	2.7	0.5	40.5
42	0.6	0.0	22.6

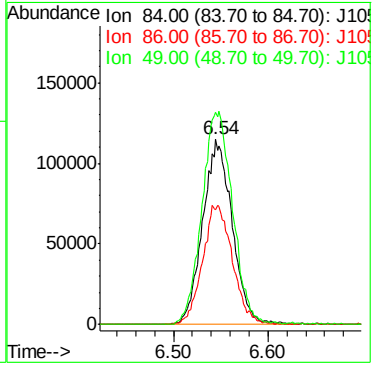


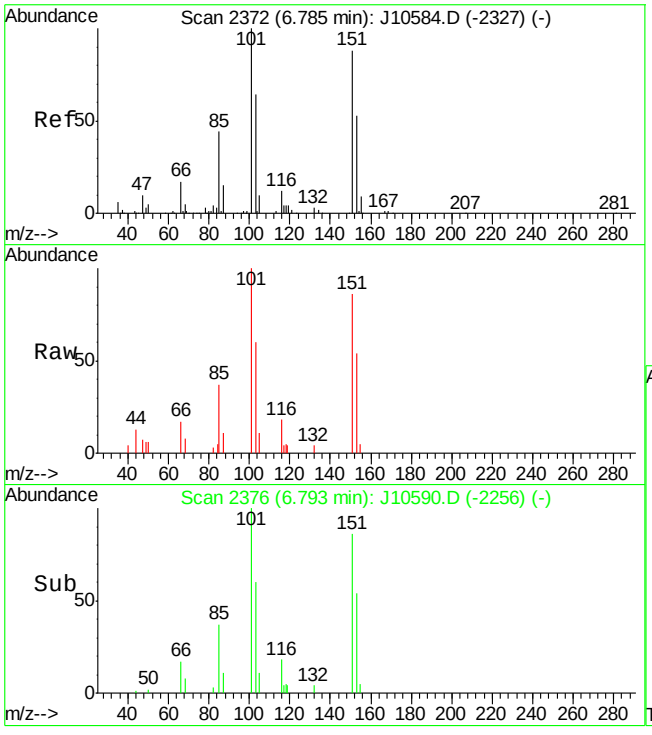


#18
METHYLENE CHLORIDE
Concen: 6.70 PPBV
RT: 6.54 min Scan# 2236
Delta R.T. 0.00 min
Lab File: J10590.D
Acq: 7 Jun 2007 7:35 pm

Tgt Ion: 84 Resp: 249122

Ion	Ratio	Lower	Upper
84	100		
86	65.2	43.8	83.8
49	119.9	0.0	319.3

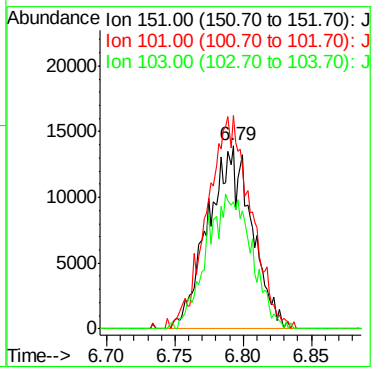


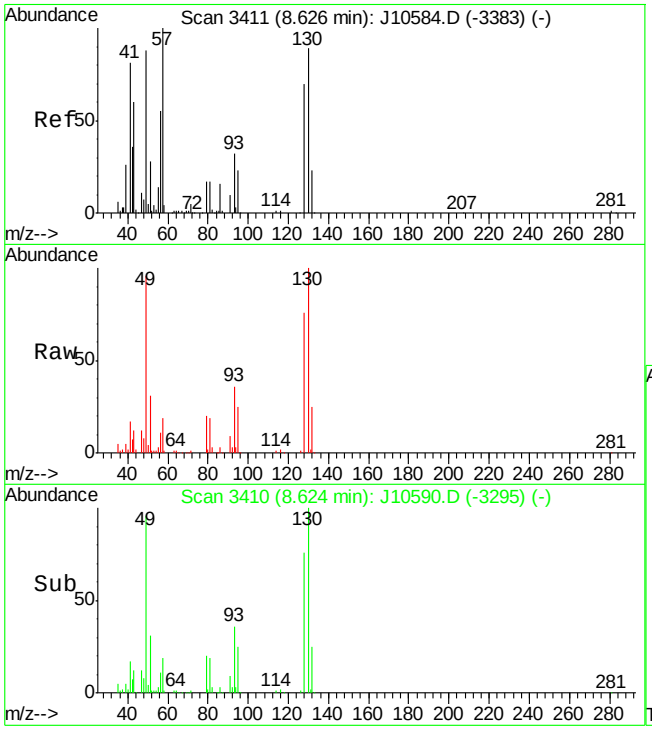


#20
FREON 113
Concen: 0.41 PPBV
RT: 6.79 min Scan# 2376
Delta R.T. 0.01 min
Lab File: J10590.D
Acq: 7 Jun 2007 7:35 pm

Tgt Ion:151 Resp: 30952

Ion	Ratio	Lower	Upper
151	100		
101	117.2	94.7	134.7
103	50.7	54.5	94.5#

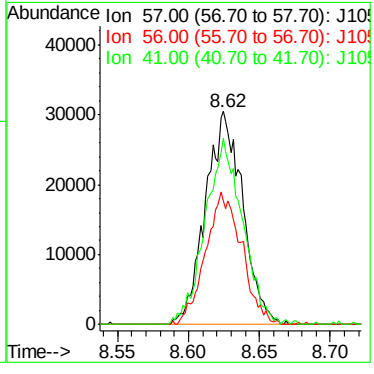


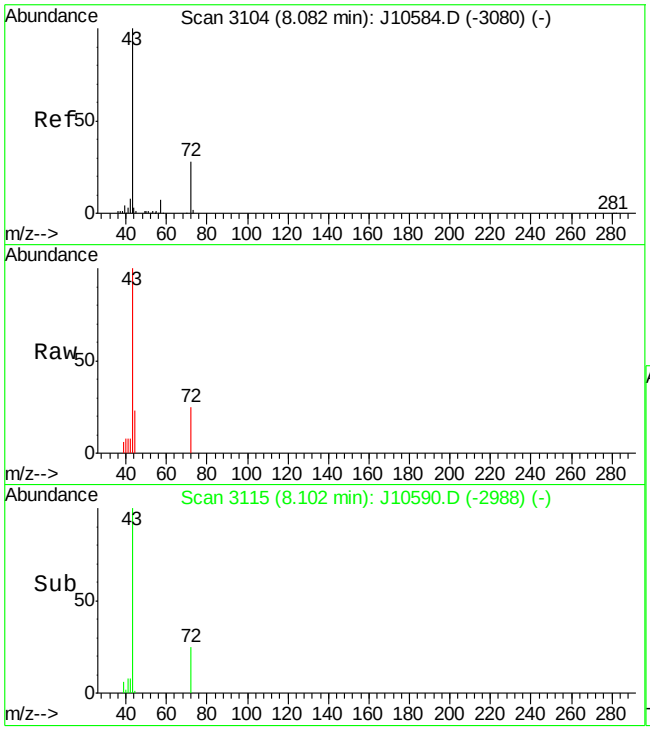


#25
HEXANE
Concen: 1.62 PPBV
RT: 8.62 min Scan# 3410
Delta R.T. -0.00 min
Lab File: J10590.D
Acq: 7 Jun 2007 7:35 pm

Tgt Ion: 57 Resp: 55125

Ion	Ratio	Lower	Upper
57	100		
56	60.8	37.7	77.7
41	88.1	63.8	103.8

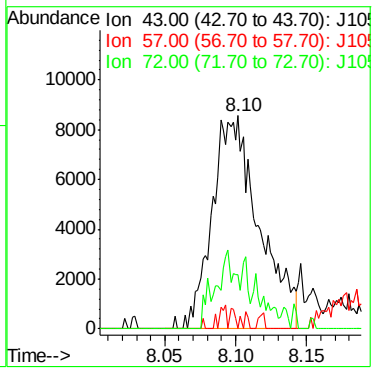


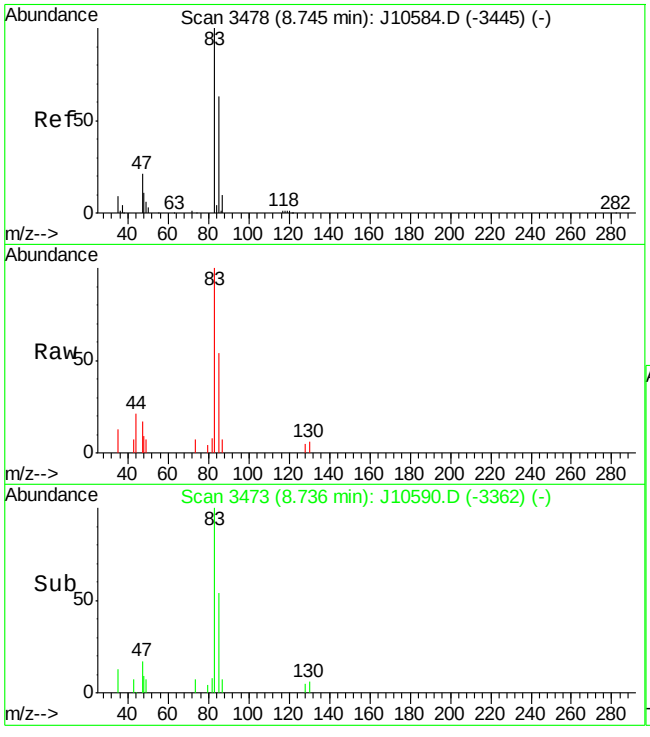


#28
METHYL ETHYL KETONE
Concen: 0.50 PPBV
RT: 8.10 min Scan# 3115
Delta R.T. 0.02 min
Lab File: J10590.D
Acq: 7 Jun 2007 7:35 pm

Tgt Ion: 43 Resp: 19682

Ion	Ratio	Lower	Upper
43	100		
57	0.0	0.0	27.4
72	25.3	7.4	47.4

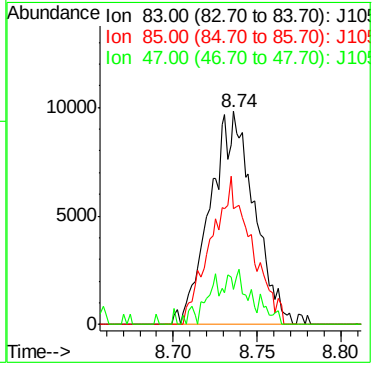


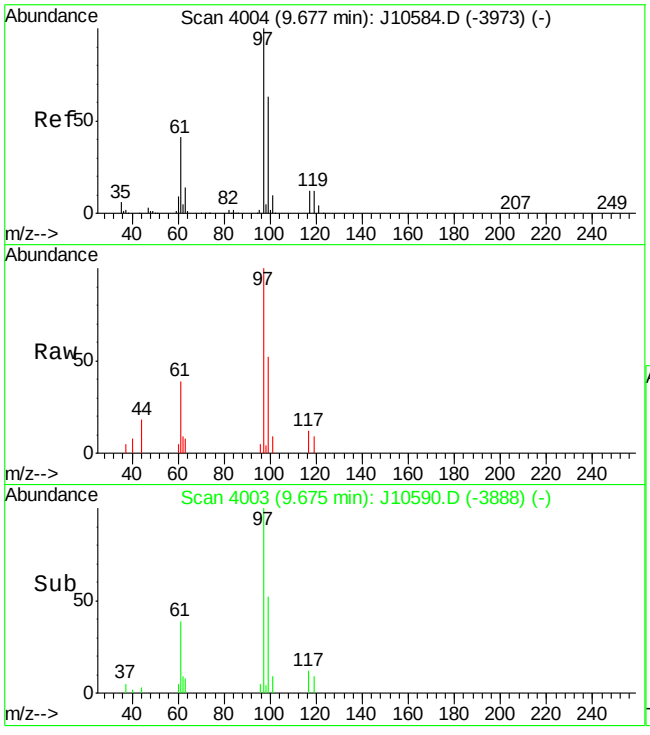


#31
CHLOROFORM
Concen: 0.23 PPBV
RT: 8.74 min Scan# 3473
Delta R.T. -0.01 min
Lab File: J10590.D
Acq: 7 Jun 2007 7:35 pm

Tgt Ion: 83 Resp: 17919

Ion	Ratio	Lower	Upper
83	100		
85	63.7	45.7	85.7
47	23.3	2.3	42.3

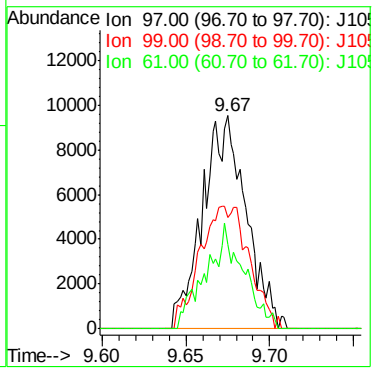


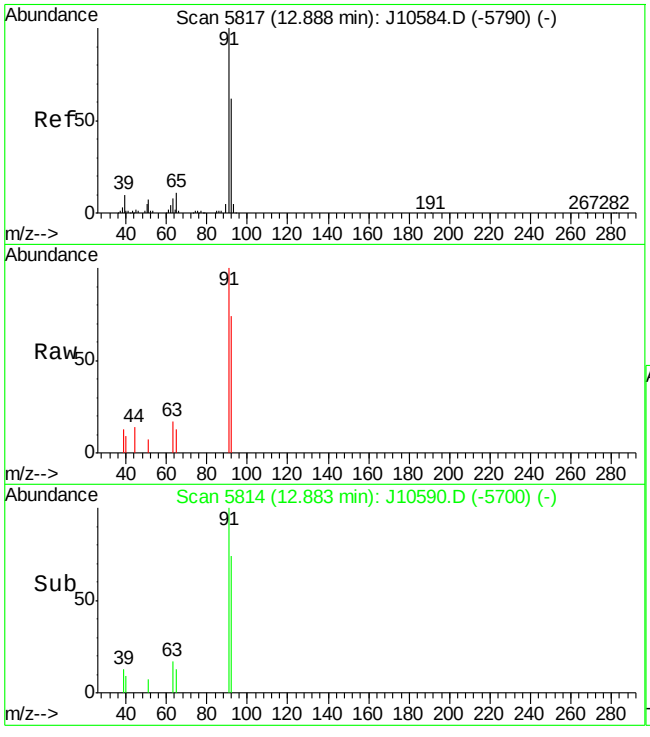


#32
1,1,1-TRICHLOROETHANE
Concen: 0.20 PPBV
RT: 9.67 min Scan# 4003
Delta R.T. -0.00 min
Lab File: J10590.D
Acq: 7 Jun 2007 7:35 pm

Tgt Ion: 97 Resp: 17261

Ion	Ratio	Lower	Upper
97	100		
99	64.5	45.0	85.0
61	42.4	20.8	60.8

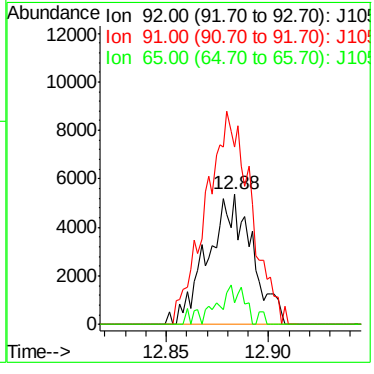


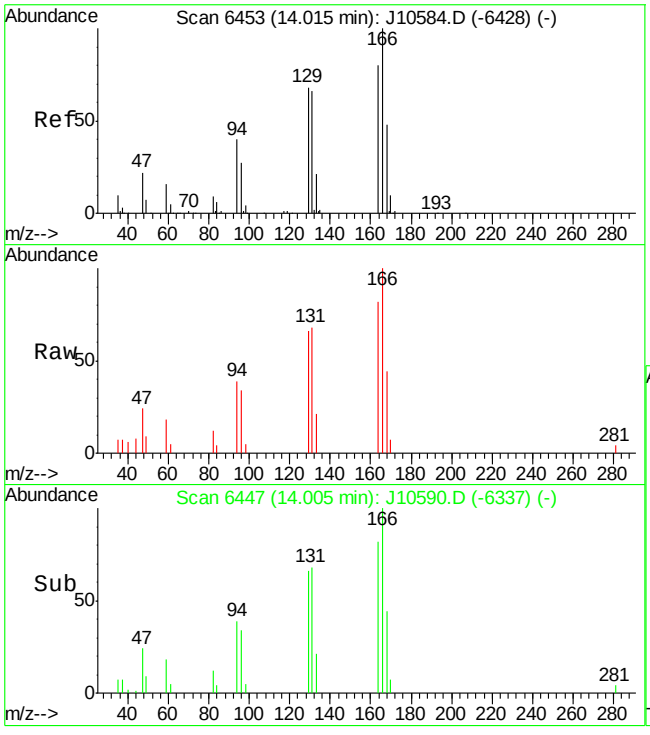


#46
TOLUENE
Concen: 1.13 PPBV
RT: 12.88 min Scan# 5814
Delta R.T. -0.00 min
Lab File: J10590.D
Acq: 7 Jun 2007 7:35 pm

Tgt Ion: 92 Resp: 8021

Ion	Ratio	Lower	Upper
92	100		
91	168.0	145.7	185.7
65	18.1	0.0	38.9

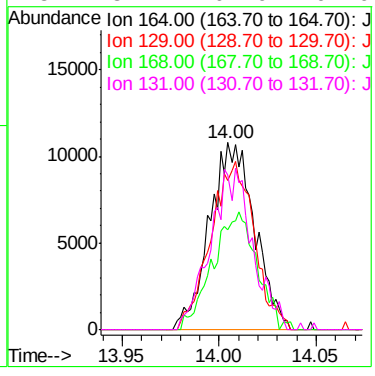


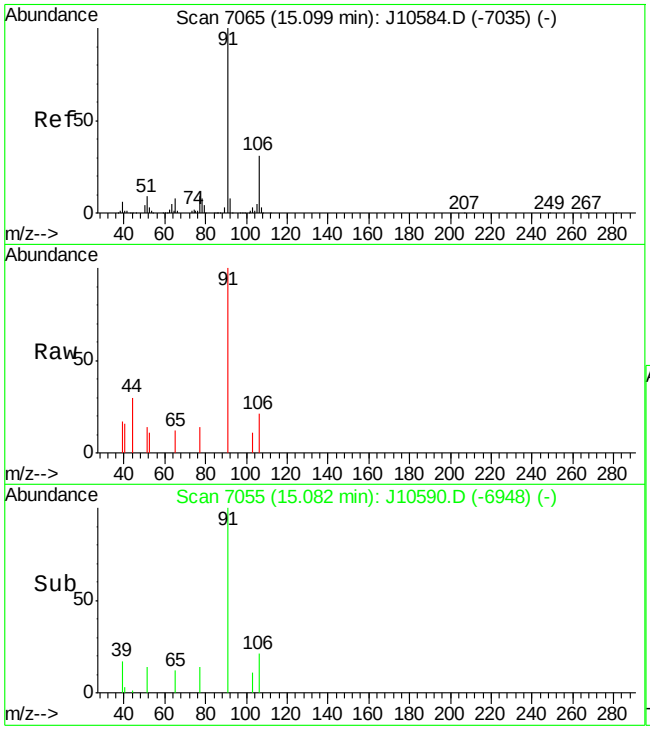


#51
TETRACHLOROETHYLENE
Concen: 0.35 PPBV
RT: 14.00 min Scan# 6447
Delta R.T. -0.01 min
Lab File: J10590.D
Acq: 7 Jun 2007 7:35 pm

Tgt Ion:164 Resp: 17322

Ion	Ratio	Lower	Upper
164	100		
129	87.0	65.6	105.6
168	62.3	41.3	81.3
131	81.1	61.9	101.9

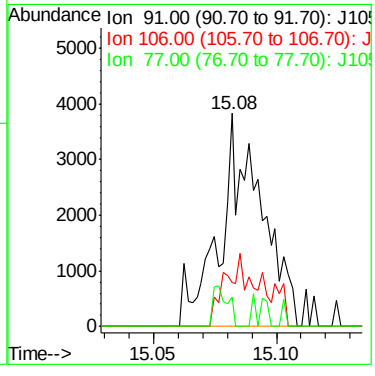


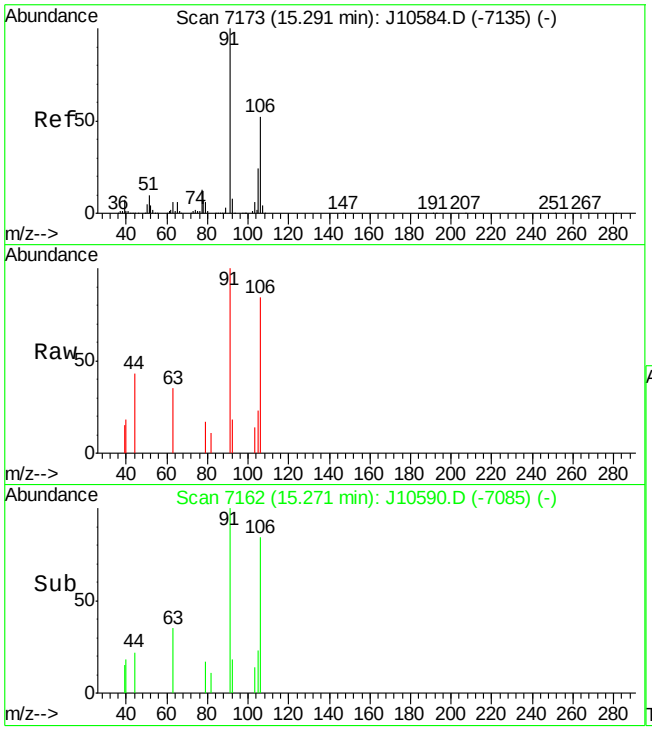


#55
ETHYLBENZENE
Concen: 1.09 PPBV
RT: 15.08 min Scan# 7055
Delta R.T. -0.02 min
Lab File: J10590.D
Acq: 7 Jun 2007 7:35 pm

Tgt Ion: 91 Resp: 4515

Ion	Ratio	Lower	Upper
91	100		
106	29.9	11.5	51.5
77	3.6	0.0	29.0

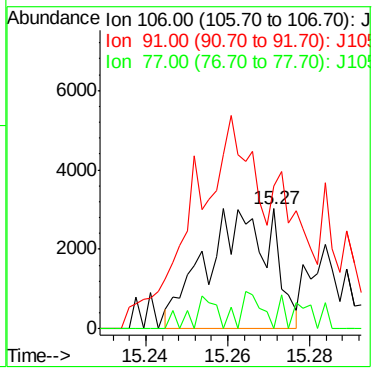


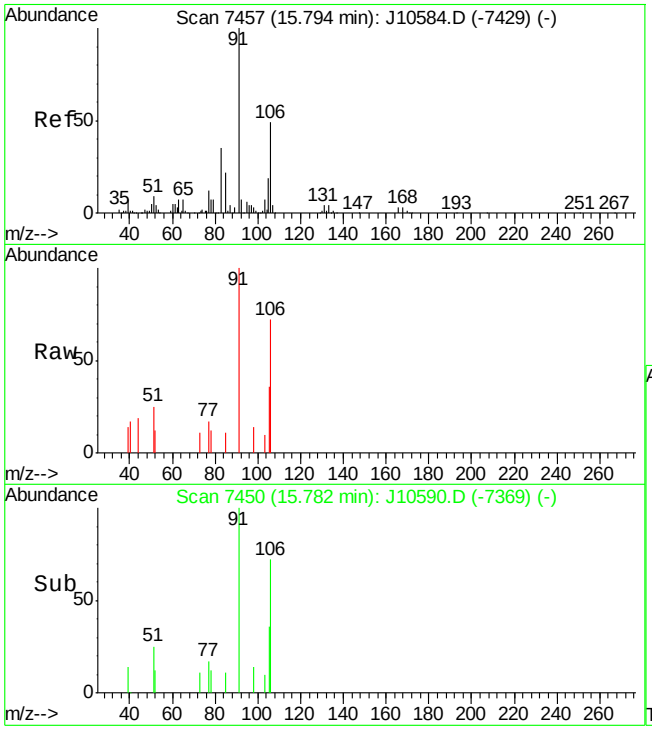


#56
m,p-XYLENE
Concen: 2.21 PPBV
RT: 15.27 min Scan# 7162
Delta R.T. -0.02 min
Lab File: J10590.D
Acq: 7 Jun 2007 7:35 pm

Tgt Ion:106 Resp: 3356

Ion	Ratio	Lower	Upper
106	100		
91	118.6	153.3	229.9#
77	0.0	20.6	30.8#

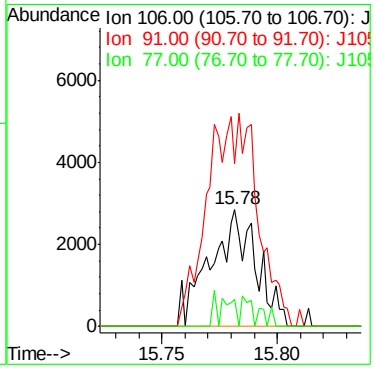


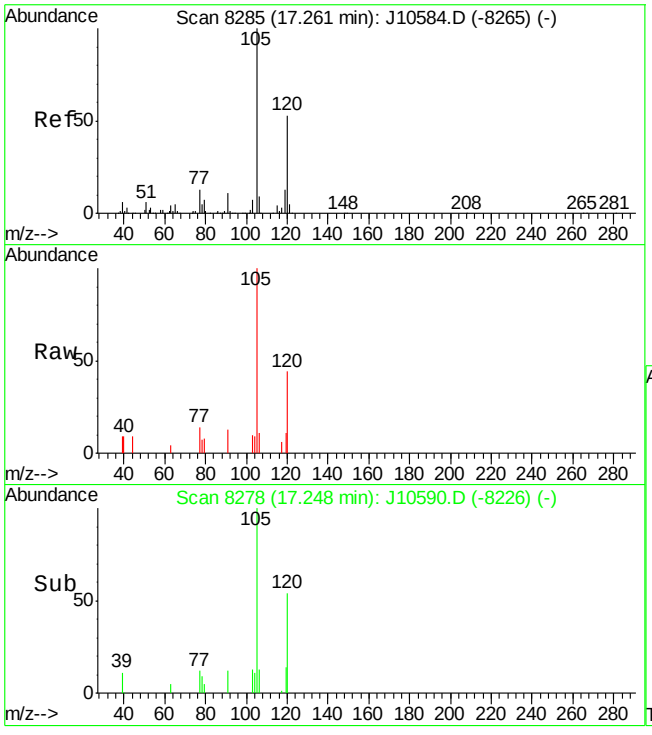


#57
o-XYLENE
Concen: 1.15 PPBV
RT: 15.78 min Scan# 7450
Delta R.T. -0.01 min
Lab File: J10590.D
Acq: 7 Jun 2007 7:35 pm

Tgt Ion:106 Resp: 3935

Ion	Ratio	Lower	Upper
106	100		
91	200.8	187.6	227.6
77	9.1	6.4	46.4

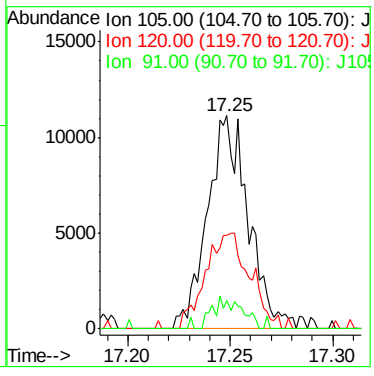


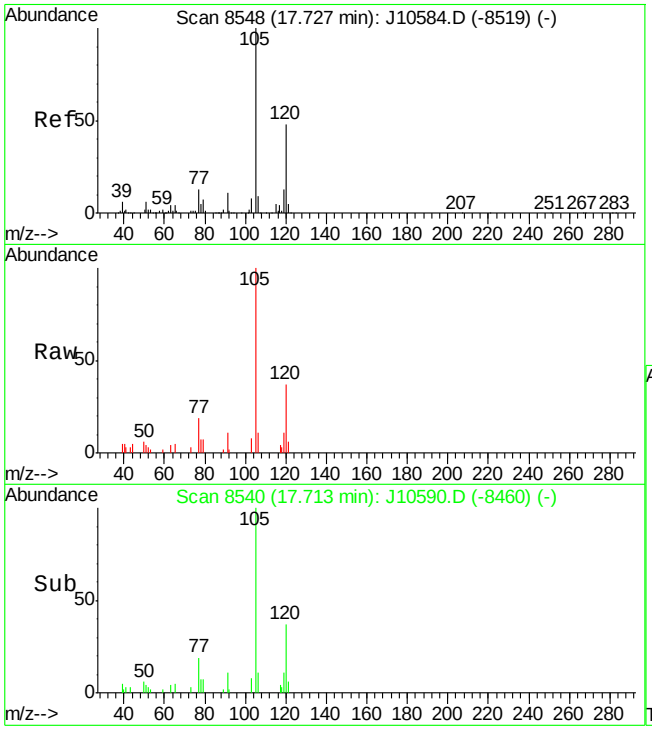


#66
1,3,5-TRIMETHYLBENZENE
Concen: 1.35 PPBV
RT: 17.25 min Scan# 8278
Delta R.T. -0.01 min
Lab File: J10590.D
Acq: 7 Jun 2007 7:35 pm

Tgt Ion:105 Resp: 15454

Ion	Ratio	Lower	Upper
105	100		
120	48.8	31.5	71.5
91	11.1	0.0	30.6

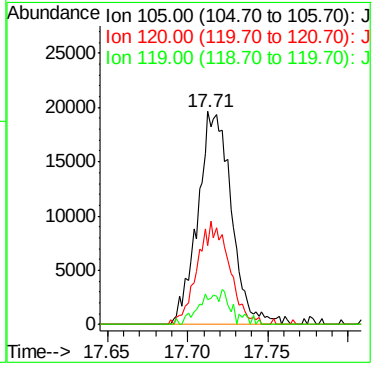




#67
1,2,4-TRIMETHYLBENZENE
Concen: 1.58 PPBV
RT: 17.71 min Scan# 8540
Delta R.T. -0.01 min
Lab File: J10590.D
Acq: 7 Jun 2007 7:35 pm

Tgt Ion:105 Resp: 28679

Ion	Ratio	Lower	Upper
105	100		
120	45.9	27.9	67.9
119	14.7	0.0	32.7

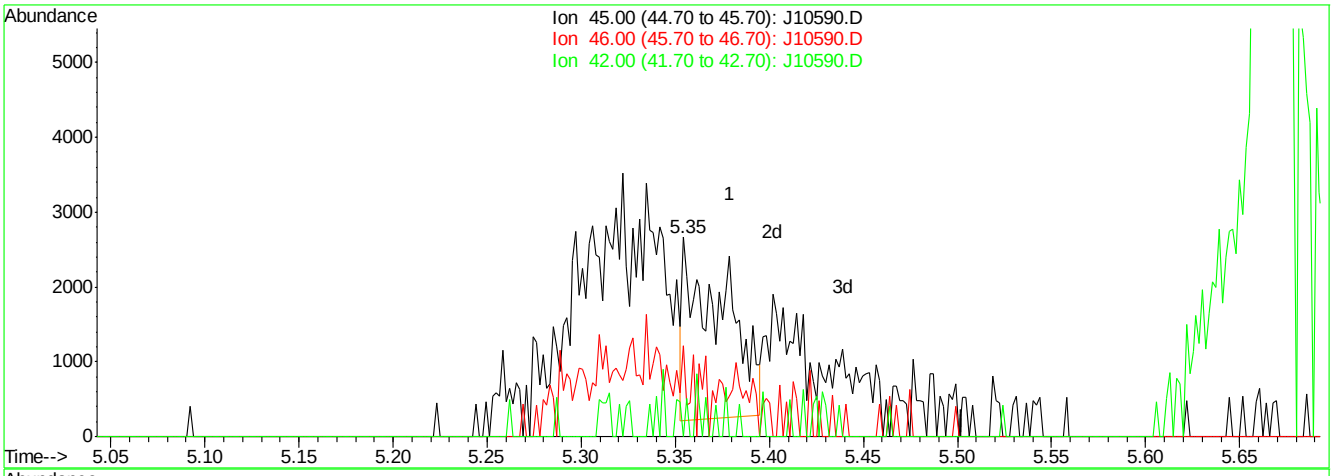


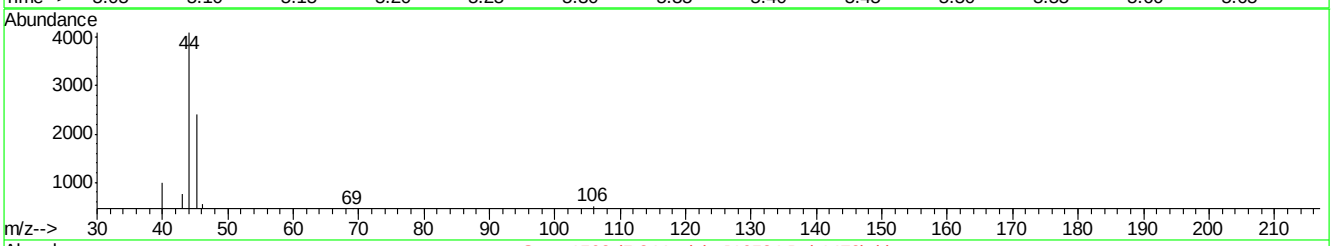
Quantitation Report (Qedit)

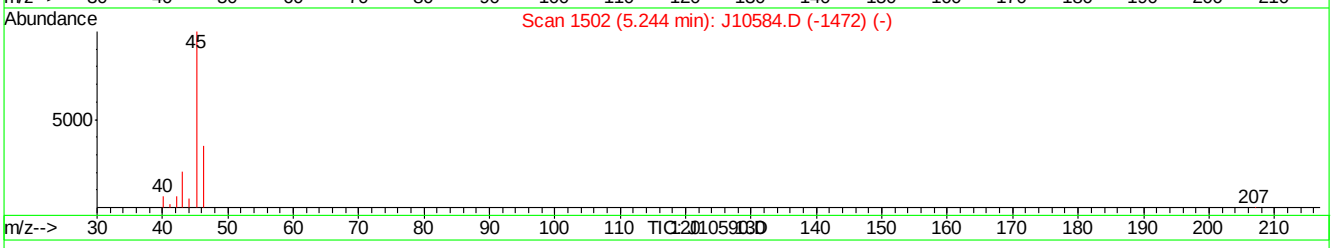
Data File : C:\MSDCHEM\1\DATA\J10590.D Vial: 5
Acq On : 7 Jun 2007 7:35 pm Operator: danat
Sample : m65248-1 (m027) Inst : MSJ
Misc : MS13707, MSJ548,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 08 08:11:14 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 16:30:04 2007
Response via : Multiple Level Calibration







(16) ETHANOL (m)

5.38min 0.52PPBV

response 3535

Ion	Exp%	Act%
45.00	100	100
46.00	20.50	13.80
42.00	2.60	3.25
0.00	0.00	0.00

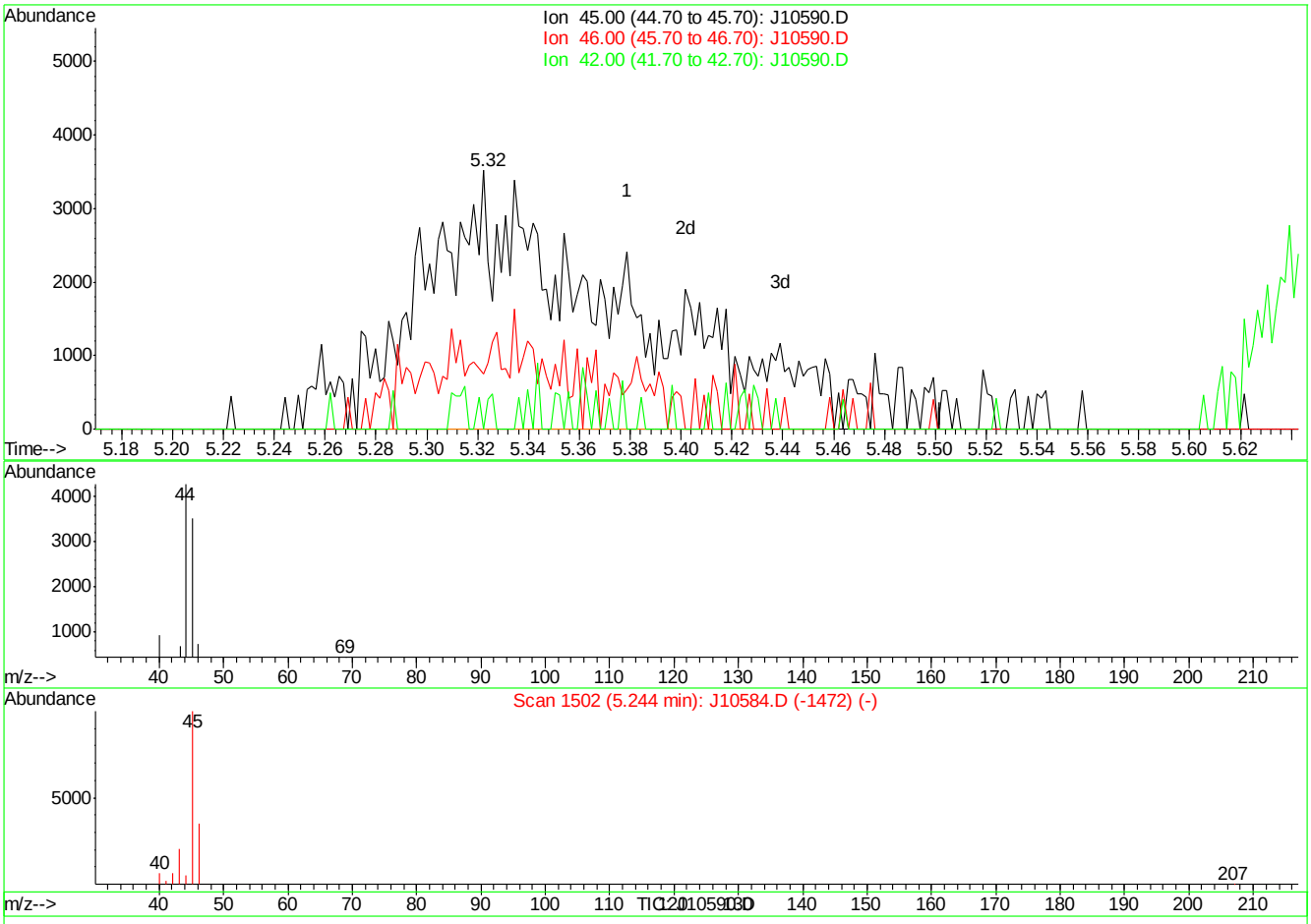
J10590.D J060707T.M Fri Jun 08 15:57:25 2007

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J10590.D Vial: 5
Acq On : 7 Jun 2007 7:35 pm Operator: danat
Sample : m65248-1 (m027) Inst : MSJ
Misc : MS13707, MSJ548,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 08 08:11:14 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 16:30:04 2007
Response via : Multiple Level Calibration



(16) ETHANOL (m)

5.32min 2.63PPBV m

response 17965

Ion	Exp%	Act%
45.00	100	100
46.00	20.50	2.72
42.00	2.60	0.64
0.00	0.00	0.00

J10590.D J060707T.M Fri Jun 08 15:57:42 2007

Manual Integrations APPROVED (compounds with "m" flag)
Philip Bassignani
06/18/07 11:34

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10589.D
Acq On : 7 Jun 2007 6:41 pm
Operator : danat
Sample : mb (m151)
Misc : MS13684, MSJ548,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 08 15:54:56 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 16:30:04 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	349729	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.43	114	1565972	10.00	PPBV	-0.01
49) CHLOROBENZENE-D5	14.66	117	1349596m	10.00	PPBV	-0.01

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.28	95	410657m	5.01	PPBV	-0.02

Spiked Amount 5.000 Range 51 - 142 Recovery = 100.20%

Target Compounds Qvalue

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

6.2.1

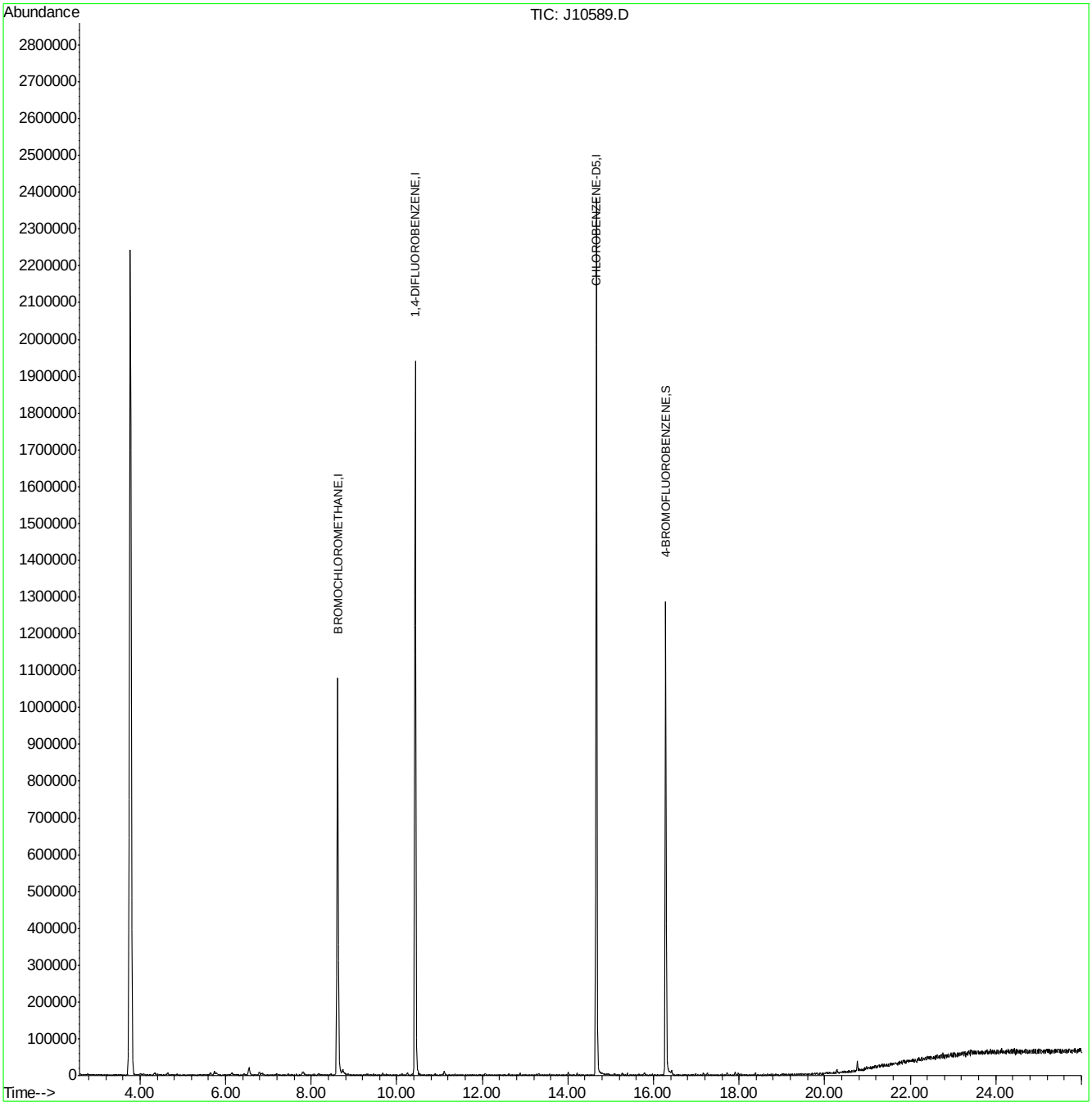
6

ACCUTEST Laboratories M65248

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10589.D
Acq On : 7 Jun 2007 6:41 pm
Operator : danat
Sample : mb (m151)
Misc : MS13684, MSJ548,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 08 15:54:56 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 16:30:04 2007
Response via : Initial Calibration

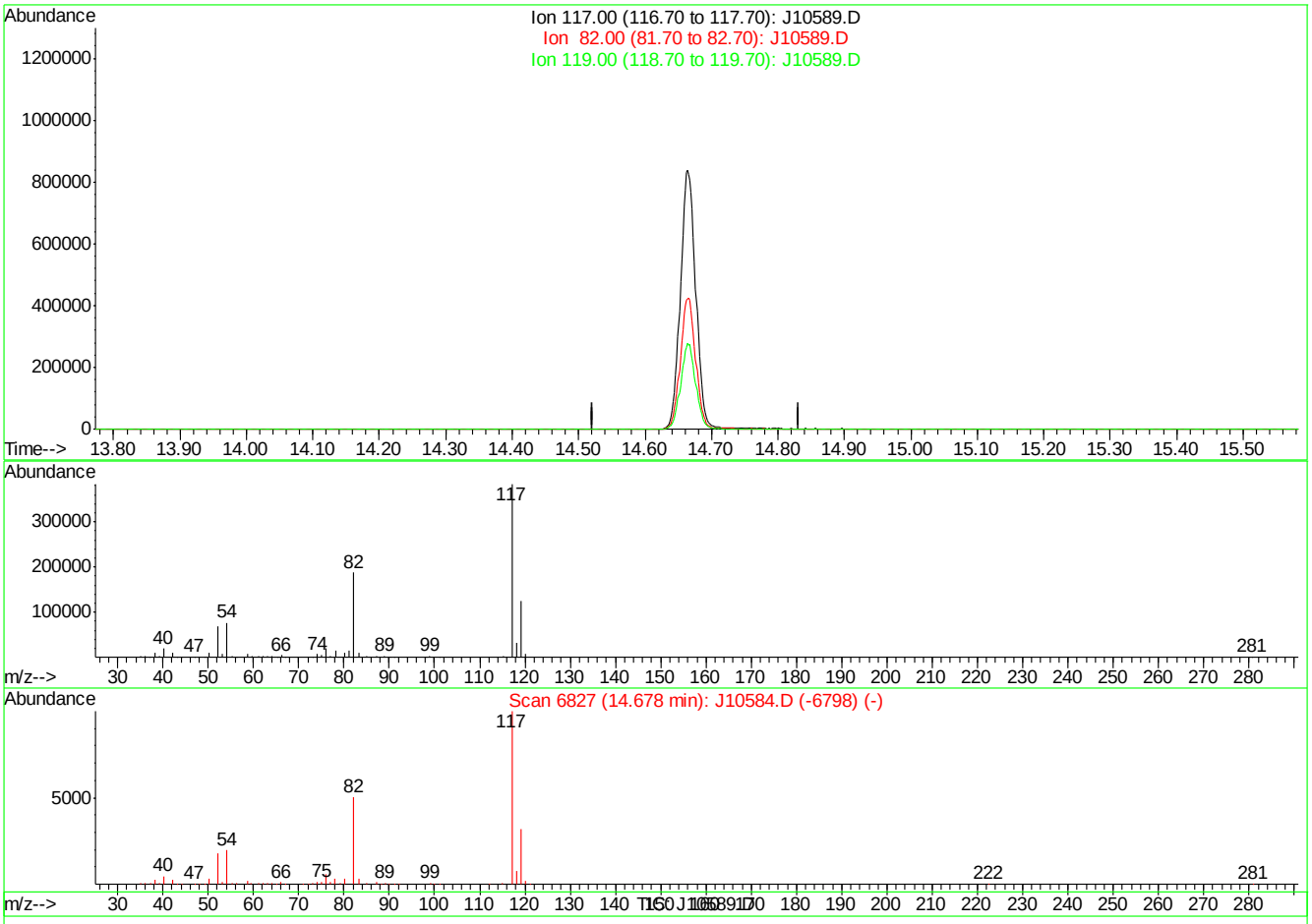


Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J10589.D Vial: 4
Acq On : 7 Jun 2007 6:41 pm Operator: danat
Sample : mb (m151) Inst : MSJ
Misc : MS13684, MSJ548,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 08 08:10:41 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 16:30:04 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	50.70	0.00#
119.00	32.40	0.00#
0.00	0.00	0.00

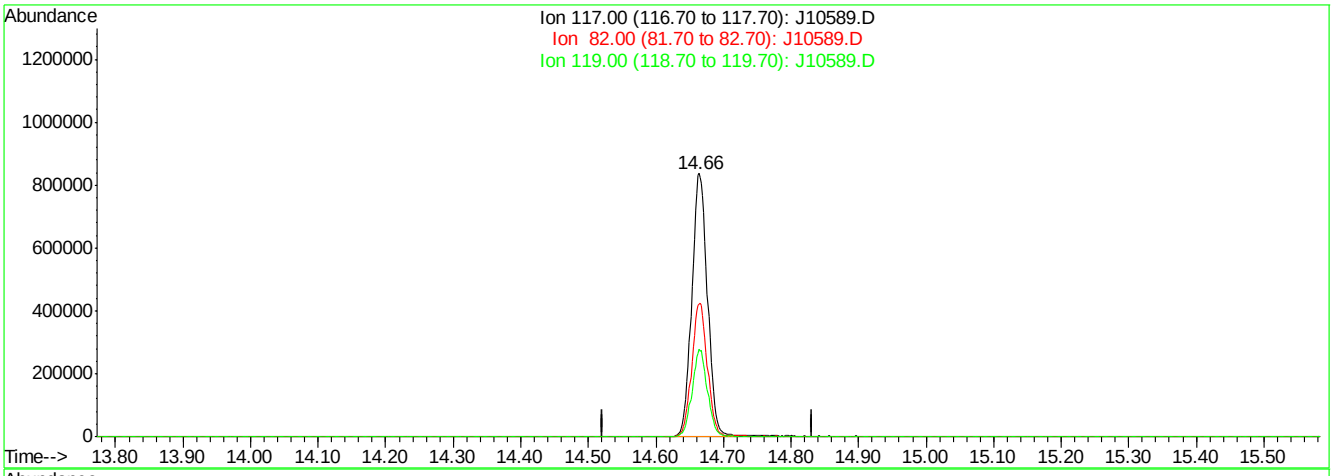
J10589.D J060707T.M Fri Jun 08 15:53:53 2007

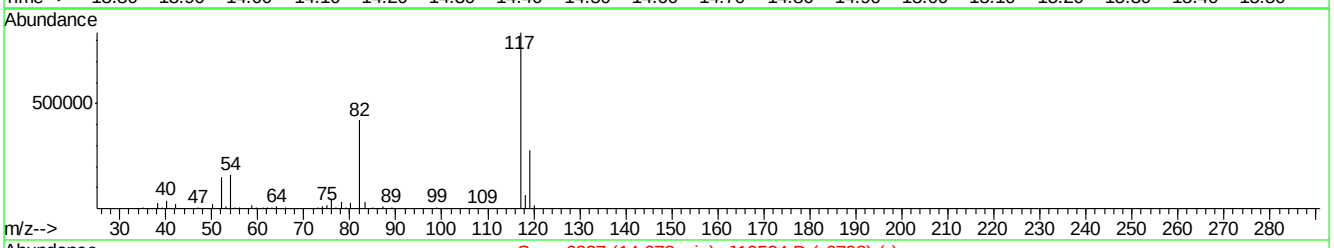
Quantitation Report (Qedit)

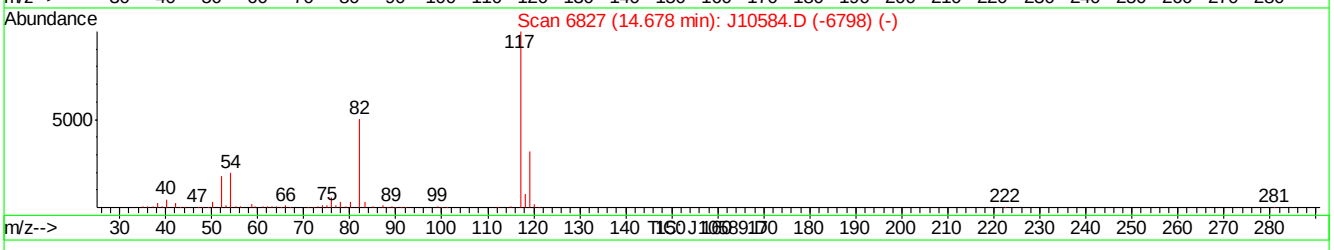
Data File : C:\MSDCHEM\1\DATA\J10589.D Vial: 4
Acq On : 7 Jun 2007 6:41 pm Operator: danat
Sample : mb (m151) Inst : MSJ
Misc : MS13684, MSJ548,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 08 08:10:41 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 16:30:04 2007
Response via : Multiple Level Calibration







(49) CHLOROBENZENE-D5 (I)

14.66min 10.00PPBV m

response 1349596

Ion	Exp%	Act%
117.00	100	100
82.00	50.70	0.00#
119.00	32.40	0.00#
0.00	0.00	0.00

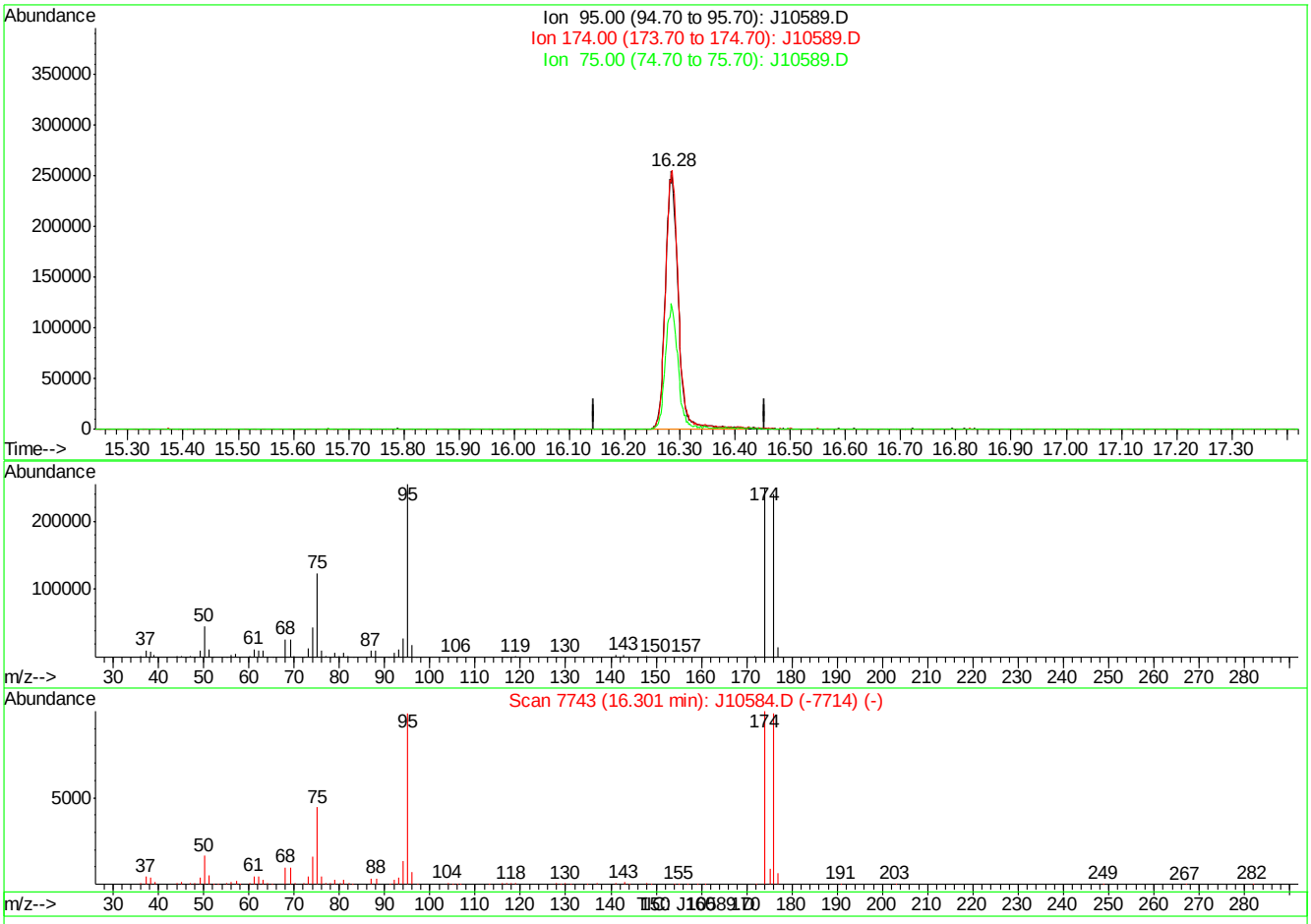
J10589.D J060707T.M Fri Jun 08 15:54:05 2007

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J10589.D Vial: 4
Acq On : 7 Jun 2007 6:41 pm Operator: danat
Sample : mb (m151) Inst : MSJ
Misc : MS13684, MSJ548,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 08 08:10:41 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 16:30:04 2007
Response via : Multiple Level Calibration



(61) 4-BROMOFLUOROBENZENE (S)

16.28min 5.00PPBV

response 409364

Ion	Exp%	Act%
95.00	100	100
174.00	102.70	100.75
75.00	46.50	47.12
0.00	0.00	0.00

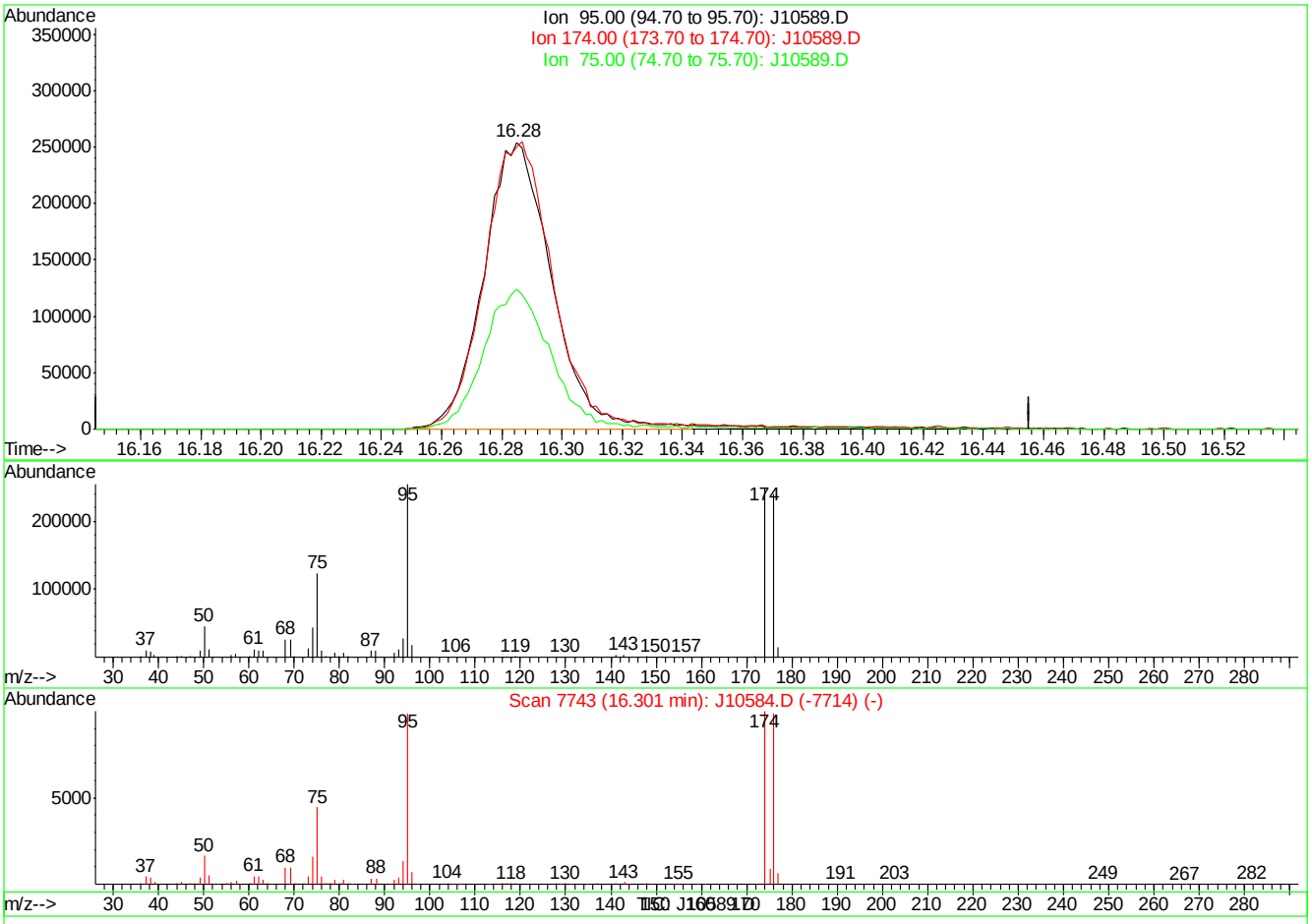
J10589.D J060707T.M Fri Jun 08 15:54:23 2007

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J10589.D Vial: 4
Acq On : 7 Jun 2007 6:41 pm Operator: danat
Sample : mb (m151) Inst : MSJ
Misc : MS13684, MSJ548,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 08 08:10:41 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 16:30:04 2007
Response via : Multiple Level Calibration



(61) 4-BROMOFLUOROBENZENE (S)

16.28min 4.88PPBV m

response 399751

Ion	Exp%	Act%
95.00	100	100
174.00	102.70	103.18
75.00	46.50	48.25
0.00	0.00	0.00

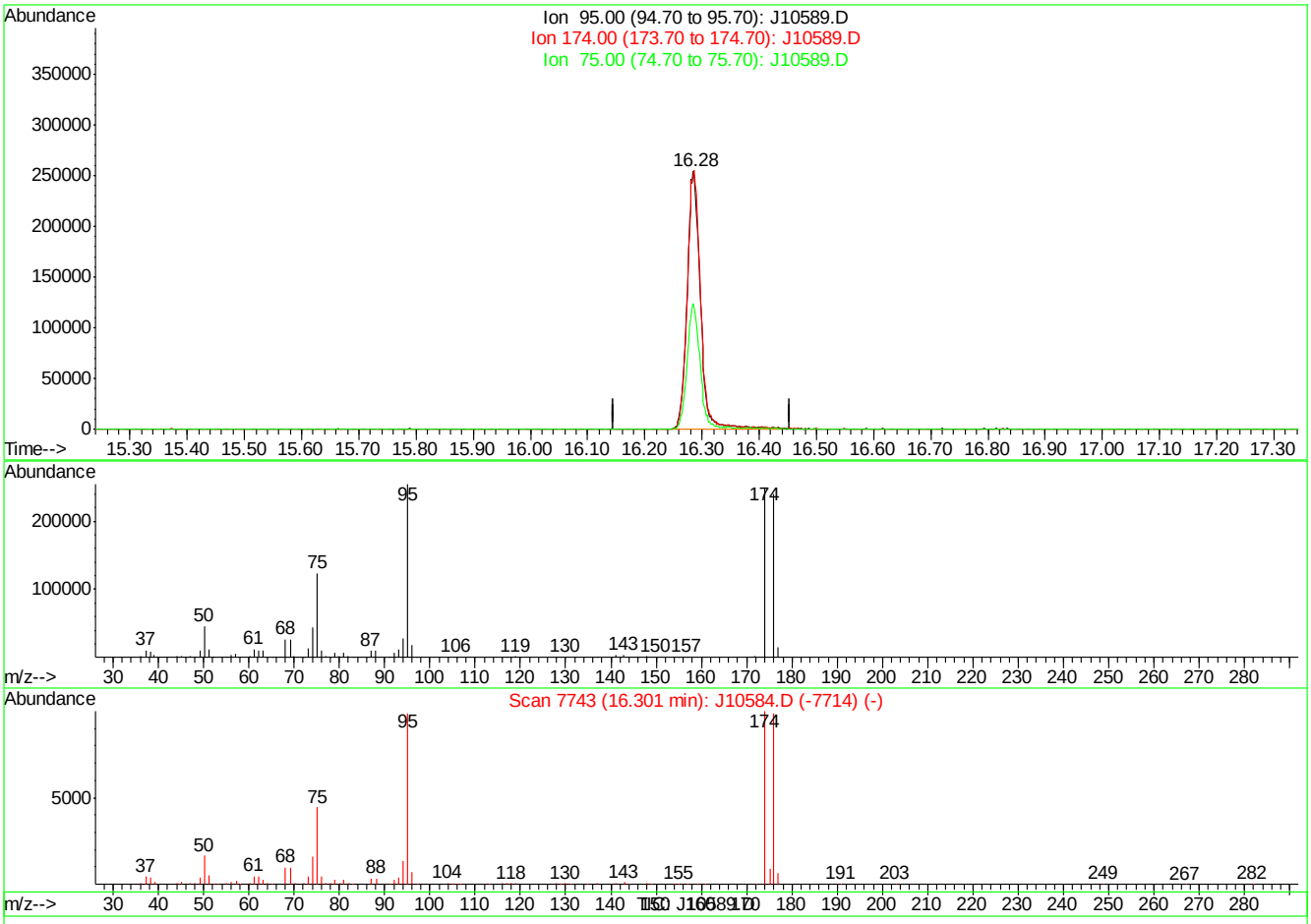
J10589.D J060707T.M Fri Jun 08 15:54:38 2007

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J10589.D Vial: 4
Acq On : 7 Jun 2007 6:41 pm Operator: danat
Sample : mb (m151) Inst : MSJ
Misc : MS13684, MSJ548,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 08 08:10:41 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 16:30:04 2007
Response via : Multiple Level Calibration



(61) 4-BROMOFLUOROBENZENE (S)

16.28min 5.01PPBV m

response 410657

Ion	Exp%	Act%
95.00	100	100
174.00	102.70	100.44
75.00	46.50	46.97
0.00	0.00	0.00

J10589.D J060707T.M Fri Jun 08 15:54:59 2007

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10587b.D
Acq On : 7 Jun 2007 4:48 pm
Operator : danat
Sample : bs (m179)
Misc : MS13684, MSJ548,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 08 14:25:38 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 : J10587b.D
Acq On : 7 Jun 2007 4:48 pm
Operator : danat
Sample : bs (m179)
Misc : MS13684, MSJ548,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 08 14:25:38 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

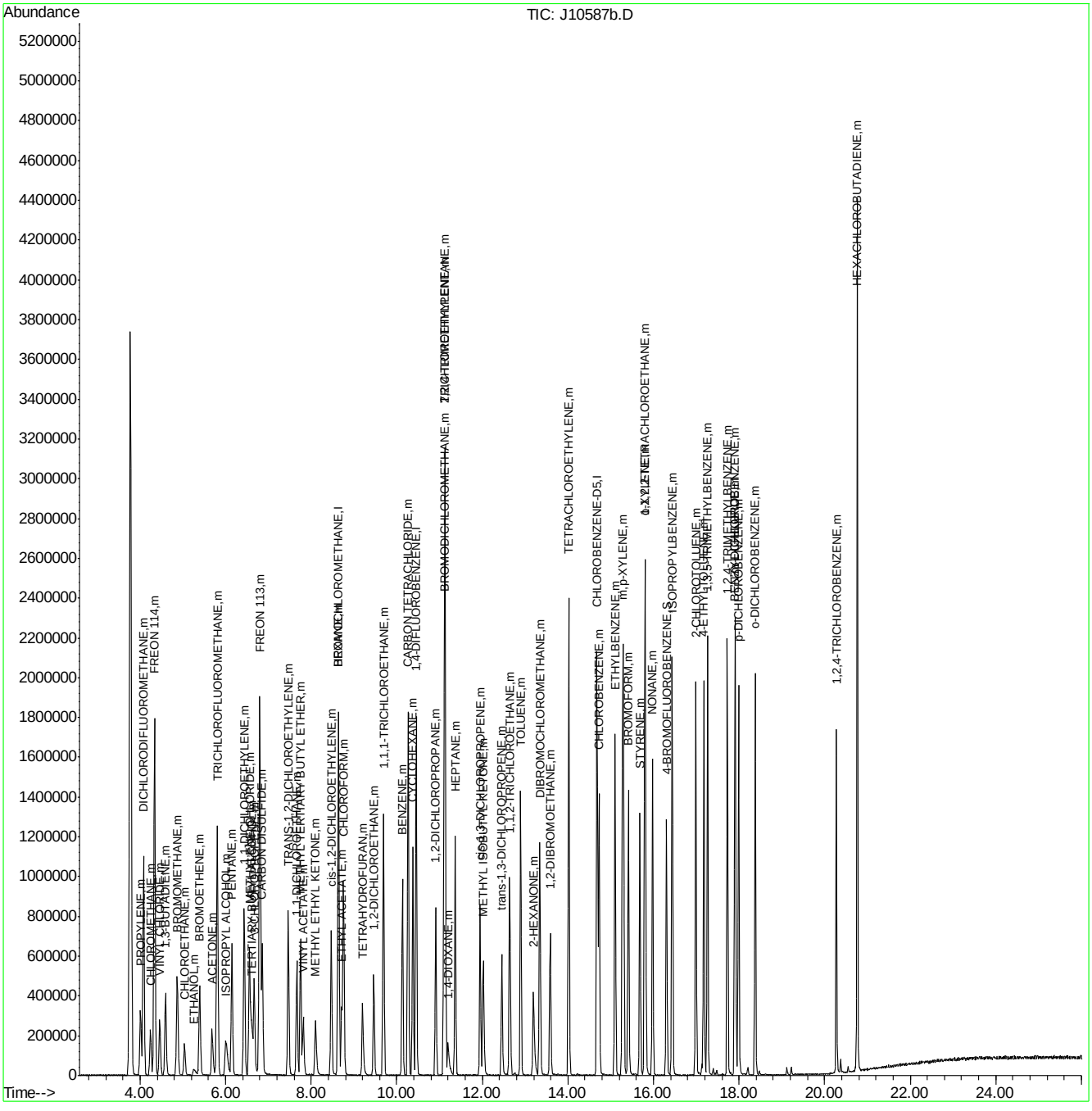
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.02	43	512900	8.29	PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.95	75	483552	8.84	PPBV	97
46) TOLUENE	12.90	92	622578	8.27	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.45	75	382630	8.28	PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.64	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 : J10587b.D
Acq On : 7 Jun 2007 4:48 pm
Operator : danat
Sample : bs (m179)
Misc : MS13684, MSJ548,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 08 14:25:38 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 11:37

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10591.D
Acq On : 7 Jun 2007 8:28 pm
Operator : danat
Sample : m65248-1dup (m027)
Misc : MS13707, MSJ548,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 08 16:04:39 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

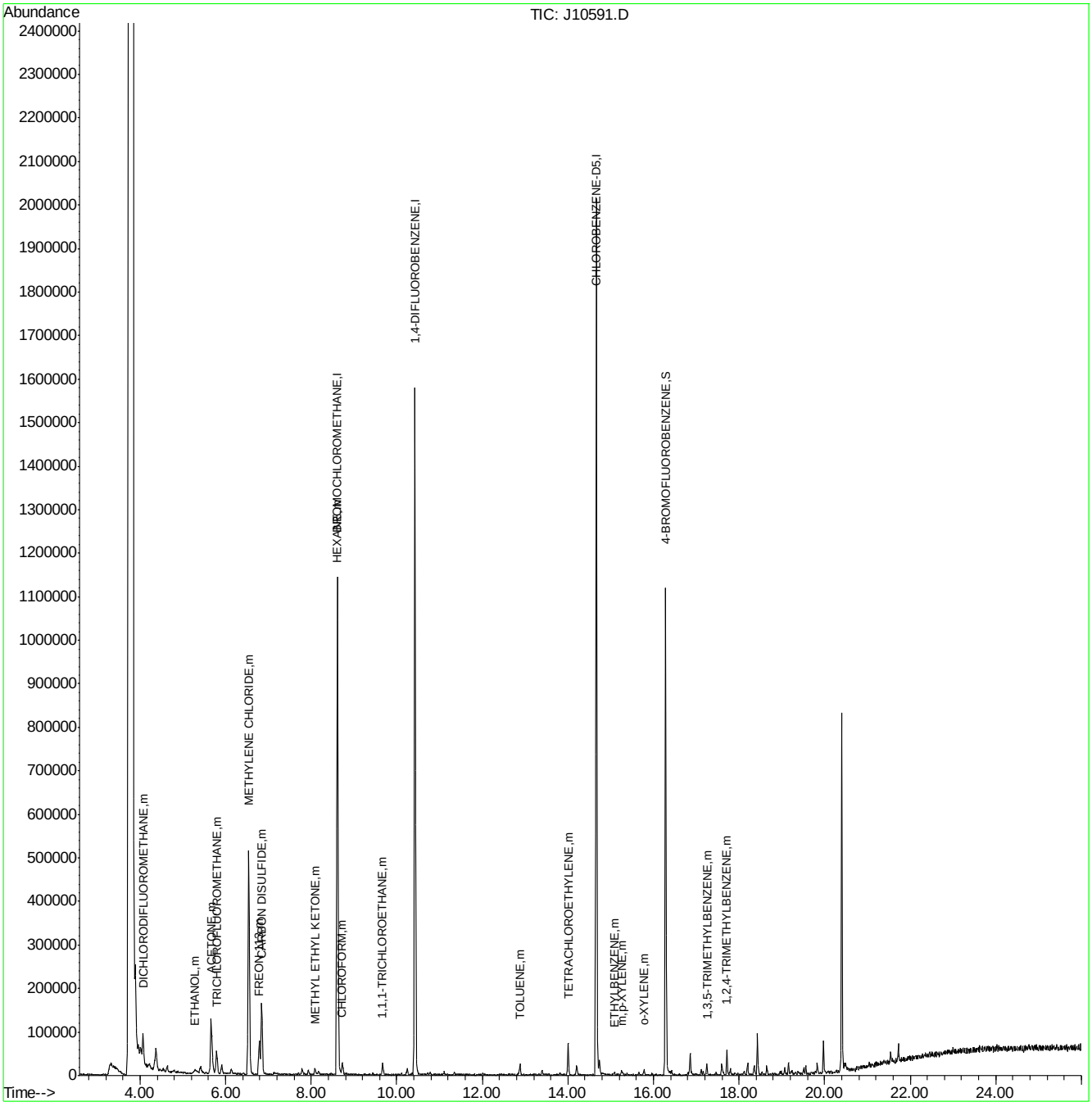
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.61	128	303894	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.42	114	1248309	10.00	PPBV	-0.02
49) CHLOROBENZENE-D5	14.66	117	1124442	10.00	PPBV	-0.02
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.28	95	322012	4.72	PPBV	-0.02
Spiked Amount 5.000	Range 51 - 142		Recovery = 94.40%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.07	85	78873	0.74	PPBV	98
10) TRICHLOROFLUOROMETHANE	5.79	101	56061	0.51	PPBV	97
12) ACETONE	5.66	43	193476	4.70	PPBV	98
15) CARBON DISULFIDE	6.84	76	279623	2.90	PPBV	98
16) ETHANOL	5.27	45	24217m	3.79	PPBV	
18) METHYLENE CHLORIDE	6.54	84	281327	8.05	PPBV	100
20) FREON 113	6.79	151	31452	0.44	PPBV	98
25) HEXANE	8.62	57	87771	2.55	PPBV	99
28) METHYL ETHYL KETONE	8.09	43	20832	0.57	PPBV	97
31) CHLOROFORM	8.73	83	19042	0.26	PPBV	93
32) 1,1,1-TRICHLOROETHANE	9.67	97	16975	0.22	PPBV	96
46) TOLUENE	12.88	92	10274	1.18	PPBV	97
51) TETRACHLOROETHYLENE	14.00	164	16528	0.37	PPBV	98
55) ETHYLBENZENE	15.09	91	4712	1.09	PPBV	81
56) m,p-XYLENE	15.26	106	4528	2.23	PPBV #	47
57) o-XYLENE	15.78	106	3541	1.15	PPBV	98
66) 1,3,5-TRIMETHYLBENZENE	17.25	105	13143	1.34	PPBV	98
67) 1,2,4-TRIMETHYLBENZENE	17.71	105	27168	1.59	PPBV	98

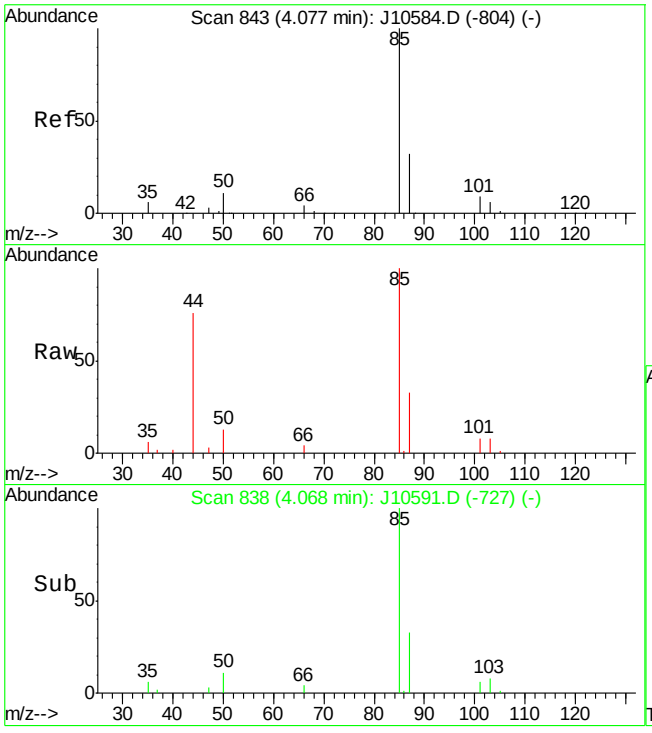
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10591.D
Acq On : 7 Jun 2007 8:28 pm
Operator : danat
Sample : m65248-1dup (m027)
Misc : MS13707, MSJ548,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 08 16:04:39 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

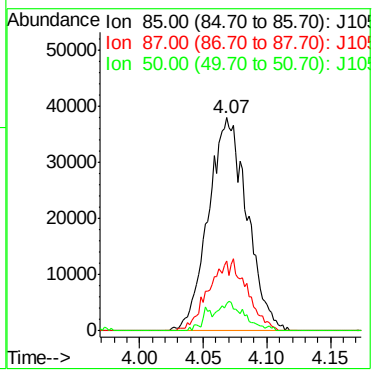


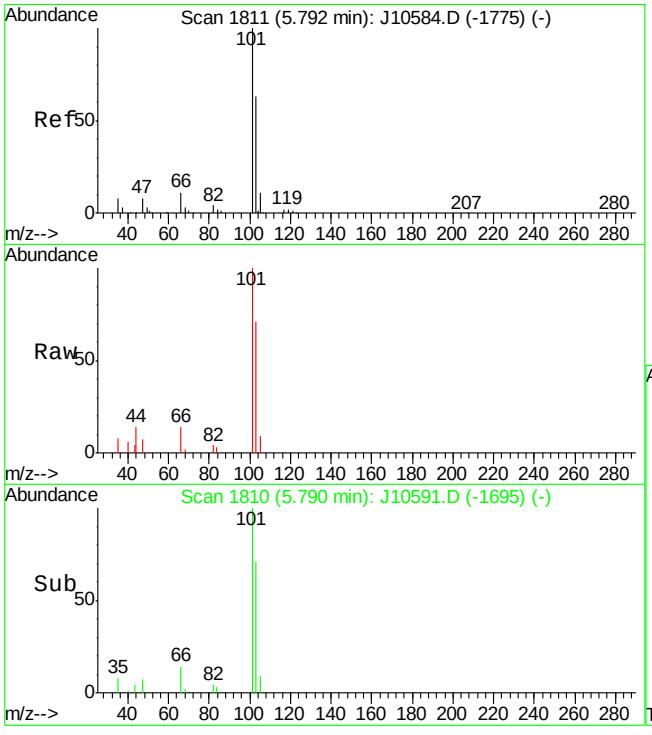


#2
DICHLORODIFLUOROMETHANE
Concen: 0.74 PPBV
RT: 4.07 min Scan# 838
Delta R.T. -0.01 min
Lab File: J10591.D
Acq: 7 Jun 2007 8:28 pm

Tgt Ion: 85 Resp: 78873

Ion	Ratio	Lower	Upper
85	100		
87	32.9	12.5	52.5
50	9.0	0.0	31.4

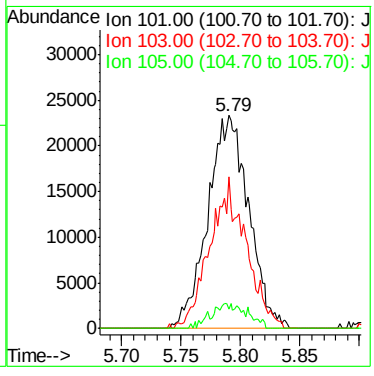


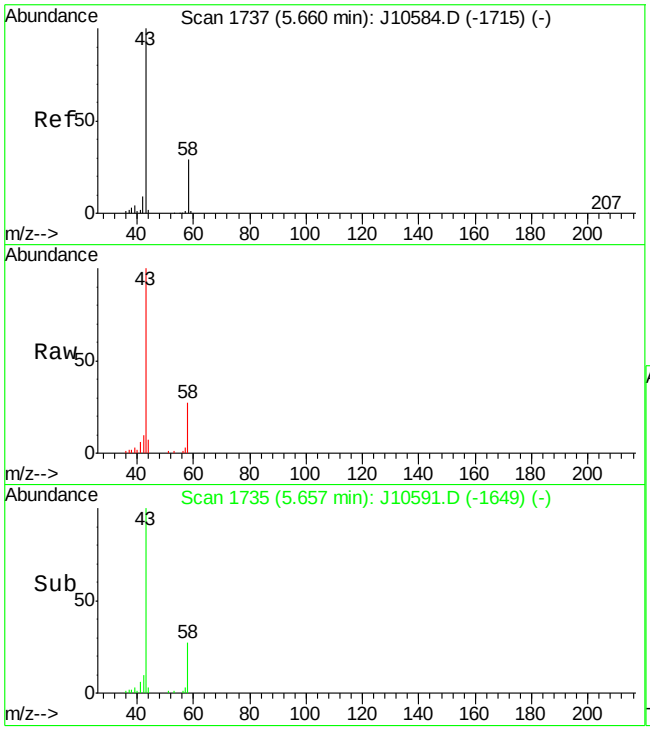


#10
TRICHLOROFLUOROMETHANE
Concen: 0.51 PPBV
RT: 5.79 min Scan# 1810
Delta R.T. -0.00 min
Lab File: J10591.D
Acq: 7 Jun 2007 8:28 pm

Tgt Ion:101 Resp: 56061

Ion	Ratio	Lower	Upper
101	100		
103	62.2	44.9	84.9
105	10.2	0.0	30.6

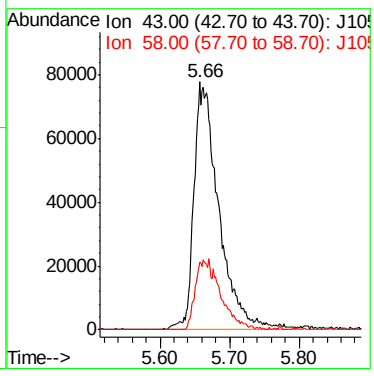


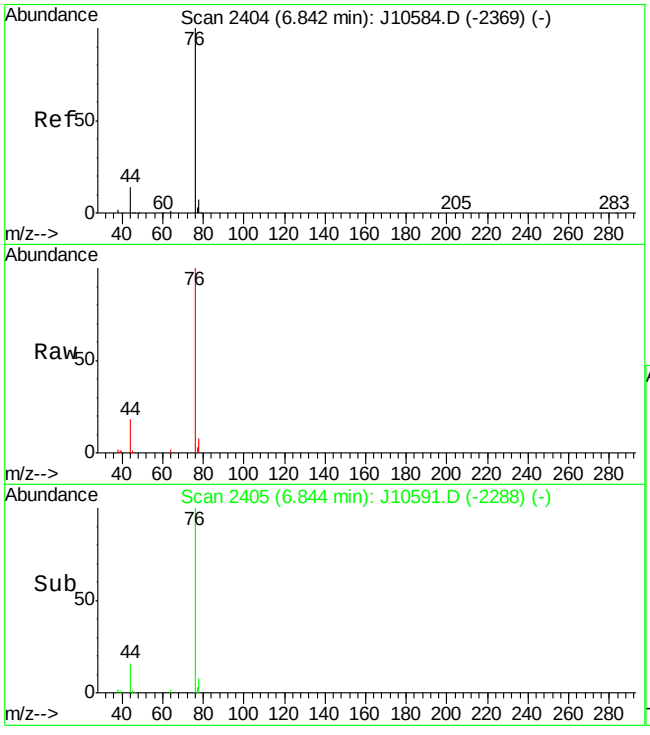


#12
ACETONE
Concen: 4.70 PPBV
RT: 5.66 min Scan# 1735
Delta R.T. -0.00 min
Lab File: J10591.D
Acq: 7 Jun 2007 8:28 pm

Tgt Ion: 43 Resp: 193476

Ion	Ratio	Lower	Upper
43	100		
58	28.7	7.7	47.7

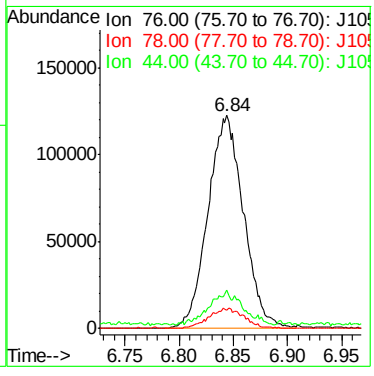


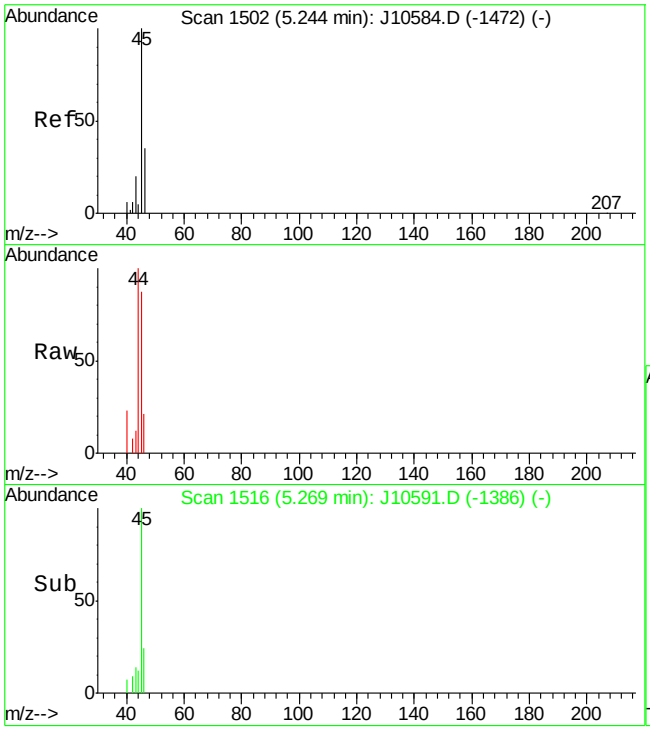


#15
CARBON DISULFIDE
Concen: 2.90 PPBV
RT: 6.84 min Scan# 2405
Delta R.T. 0.00 min
Lab File: J10591.D
Acq: 7 Jun 2007 8:28 pm

Tgt Ion: 76 Resp: 279623

Ion	Ratio	Lower	Upper
76	100		
78	9.5	0.0	29.3
44	15.1	0.0	34.0

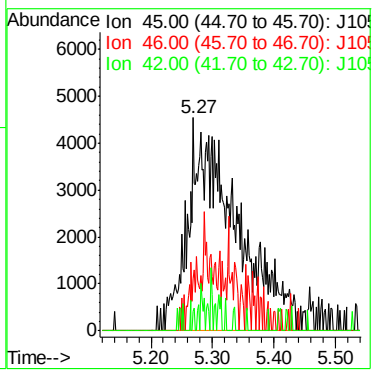


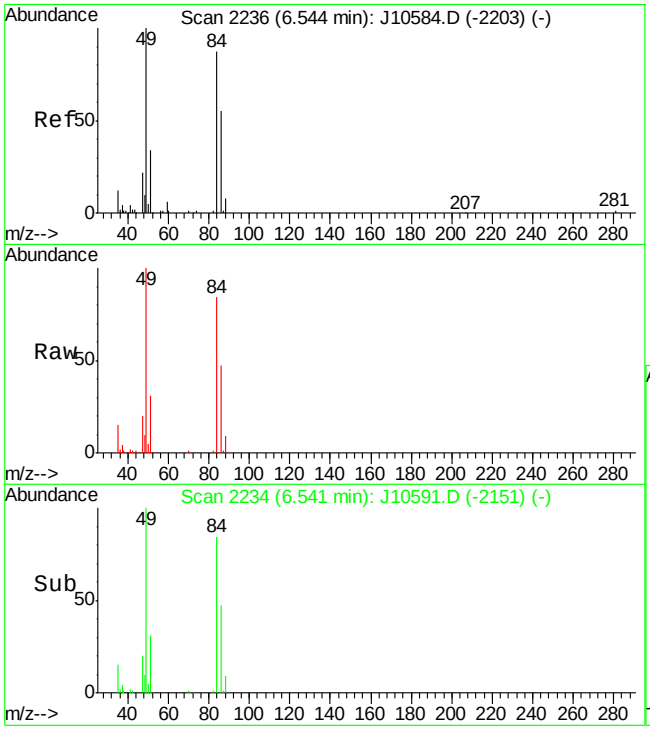


#16
ETHANOL
Concen: 3.79 PPBV m
RT: 5.27 min Scan# 1516
Delta R.T. 0.02 min
Lab File: J10591.D
Acq: 7 Jun 2007 8:28 pm

Tgt Ion: 45 Resp: 24217

Ion	Ratio	Lower	Upper
45	100		
46	0.2	0.5	40.5#
42	0.6	0.0	22.6

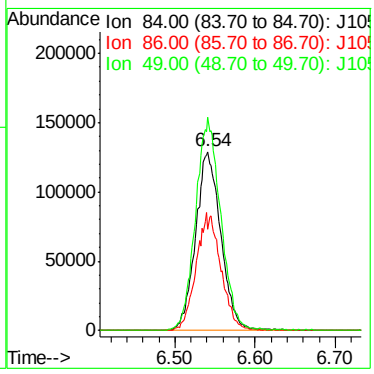


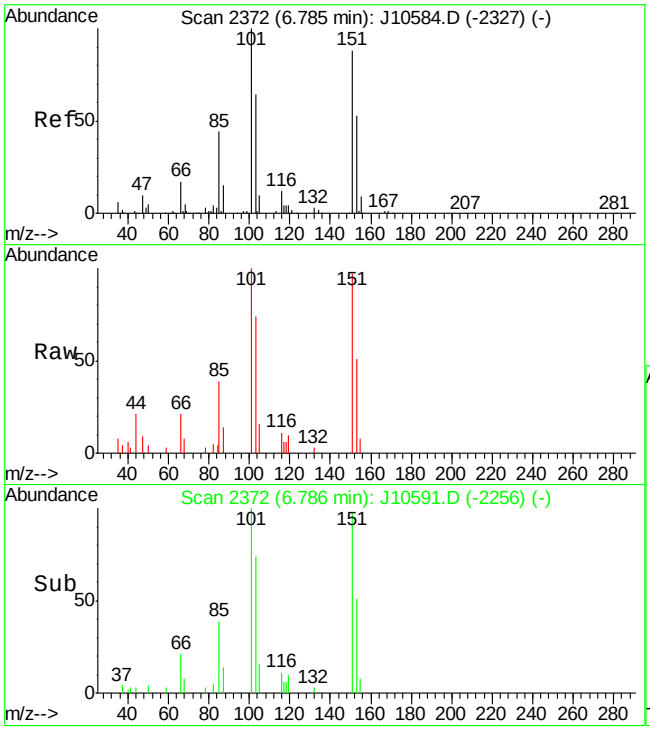


#18
METHYLENE CHLORIDE
Concen: 8.05 PPBV
RT: 6.54 min Scan# 2234
Delta R.T. -0.00 min
Lab File: J10591.D
Acq: 7 Jun 2007 8:28 pm

Tgt Ion: 84 Resp: 281327

Ion	Ratio	Lower	Upper
84	100		
86	64.5	43.8	83.8
49	119.1	0.0	319.3

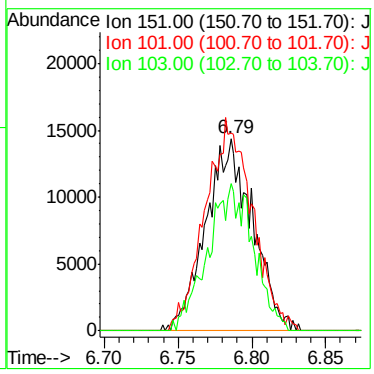


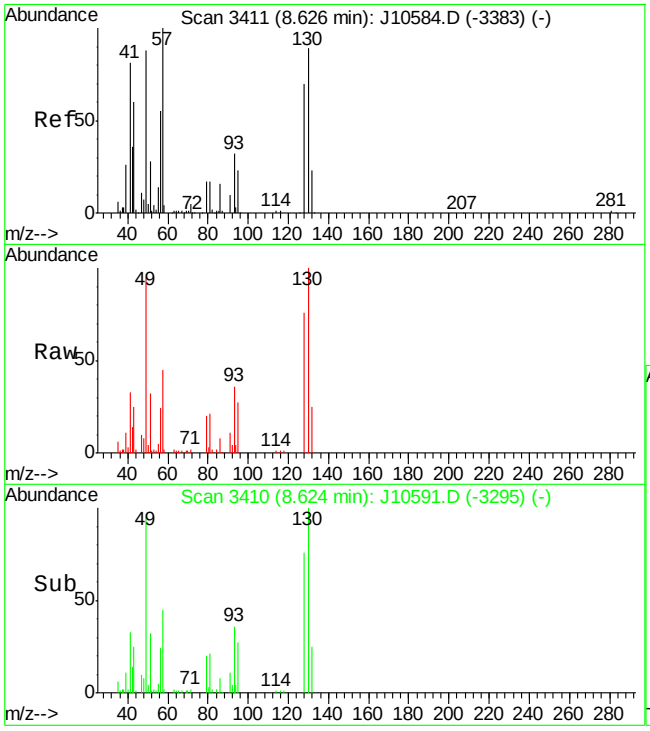


#20
FREON 113
Concen: 0.44 PPBV
RT: 6.79 min Scan# 2372
Delta R.T. 0.00 min
Lab File: J10591.D
Acq: 7 Jun 2007 8:28 pm

Tgt Ion:151 Resp: 31452

Ion	Ratio	Lower	Upper
151	100		
101	111.7	94.7	134.7
103	74.7	54.5	94.5

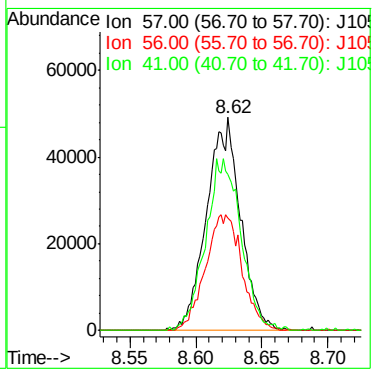


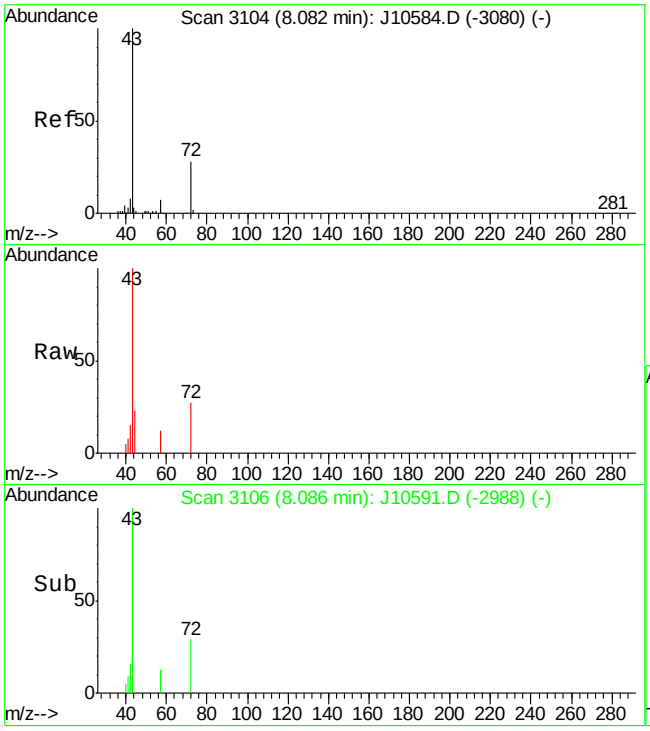


#25
HEXANE
Concen: 2.55 PPBV
RT: 8.62 min Scan# 3410
Delta R.T. -0.00 min
Lab File: J10591.D
Acq: 7 Jun 2007 8:28 pm

Tgt Ion: 57 Resp: 87771

Ion	Ratio	Lower	Upper
57	100		
56	58.6	37.7	77.7
41	84.7	63.8	103.8

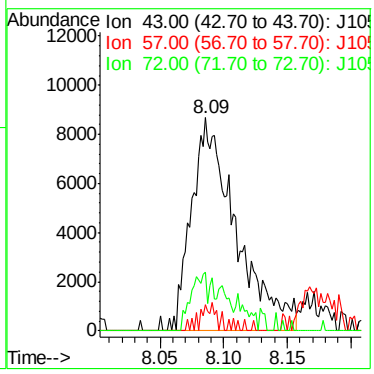


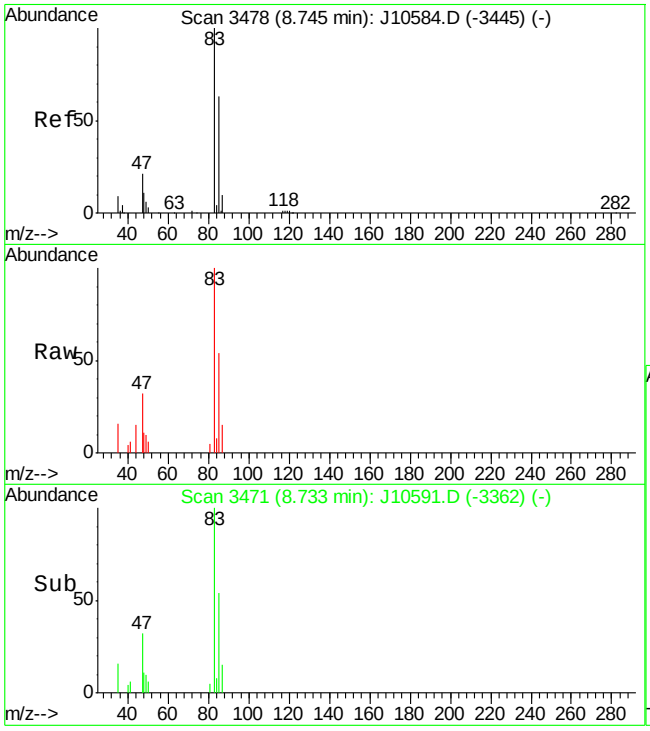


#28
METHYL ETHYL KETONE
Concen: 0.57 PPBV
RT: 8.09 min Scan# 3106
Delta R.T. 0.00 min
Lab File: J10591.D
Acq: 7 Jun 2007 8:28 pm

Tgt Ion: 43 Resp: 20832

Ion	Ratio	Lower	Upper
43	100		
57	12.3	0.0	27.4
72	27.3	7.4	47.4

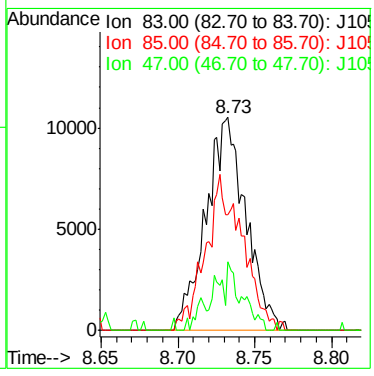


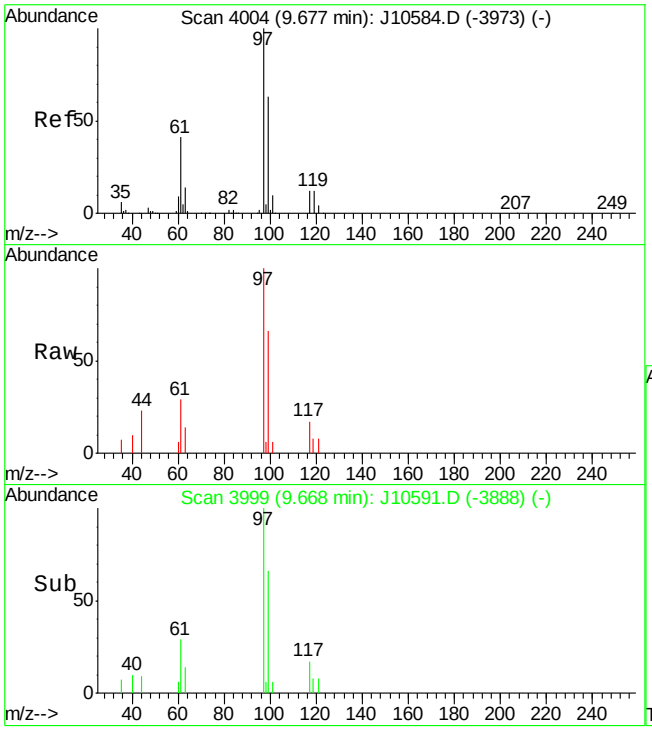


#31
CHLOROFORM
Concen: 0.26 PPBV
RT: 8.73 min Scan# 3471
Delta R.T. -0.01 min
Lab File: J10591.D
Acq: 7 Jun 2007 8:28 pm

Tgt Ion: 83 Resp: 19042

Ion	Ratio	Lower	Upper
83	100		
85	67.5	45.7	85.7
47	11.6	2.3	42.3

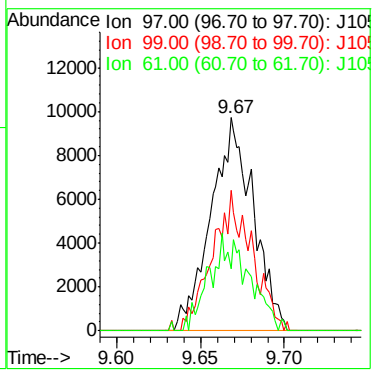


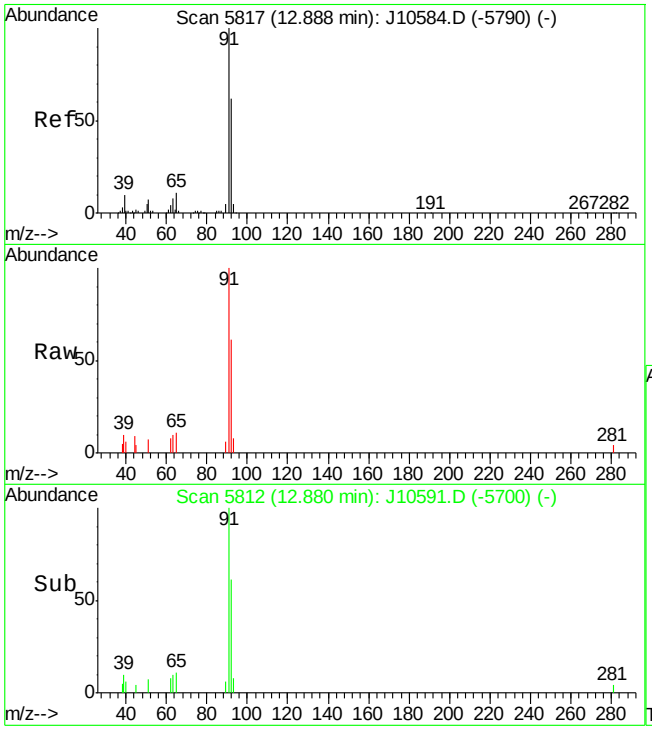


#32
1,1,1-TRICHLOROETHANE
Concen: 0.22 PPBV
RT: 9.67 min Scan# 3999
Delta R.T. -0.01 min
Lab File: J10591.D
Acq: 7 Jun 2007 8:28 pm

Tgt Ion: 97 Resp: 16975

Ion	Ratio	Lower	Upper
97	100		
99	61.4	45.0	85.0
61	42.1	20.8	60.8

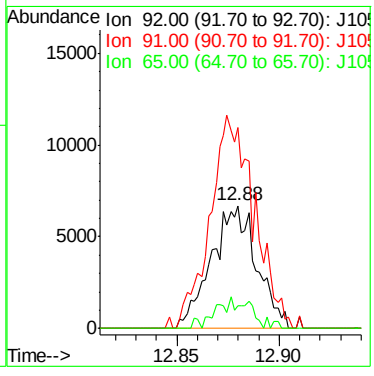


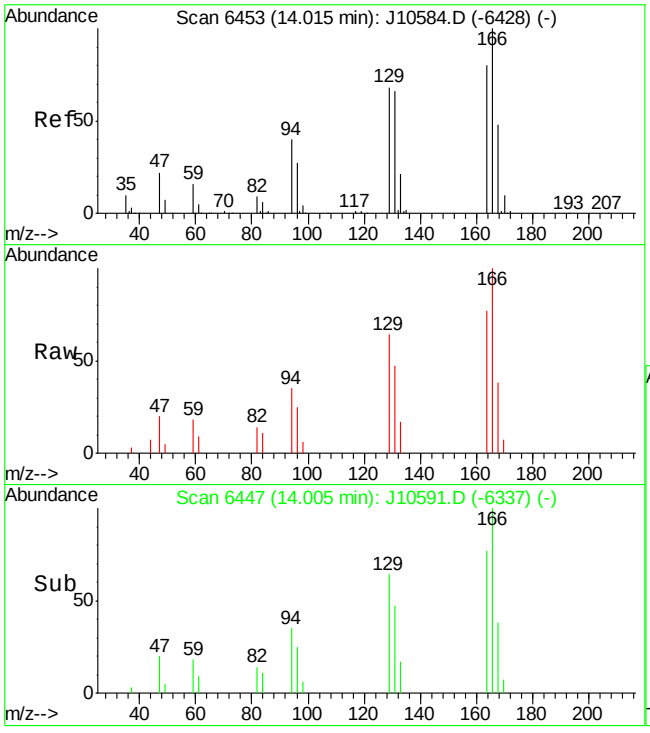


#46
TOLUENE
Concen: 1.18 PPBV
RT: 12.88 min Scan# 5812
Delta R.T. -0.01 min
Lab File: J10591.D
Acq: 7 Jun 2007 8:28 pm

Tgt Ion: 92 Resp: 10274

Ion	Ratio	Lower	Upper
92	100		
91	170.4	145.7	185.7
65	19.9	0.0	38.9

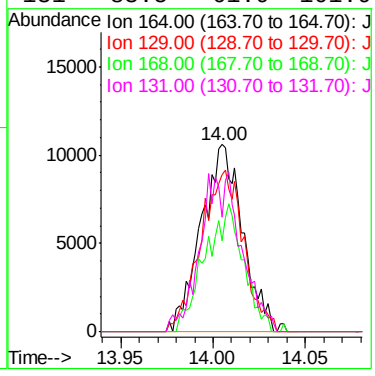


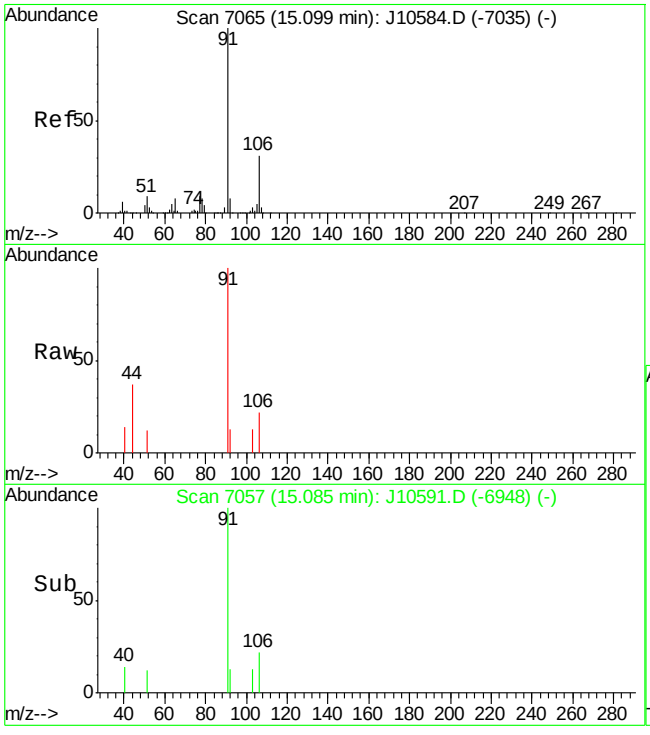


#51
TETRACHLOROETHYLENE
Concen: 0.37 PPBV
RT: 14.00 min Scan# 6447
Delta R.T. -0.01 min
Lab File: J10591.D
Acq: 7 Jun 2007 8:28 pm

Tgt Ion:164 Resp: 16528

Ion	Ratio	Lower	Upper
164	100		
129	88.6	65.6	105.6
168	62.8	41.3	81.3
131	83.5	61.9	101.9

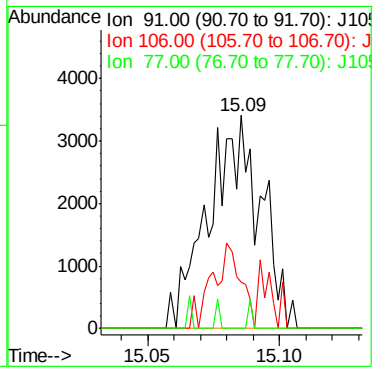


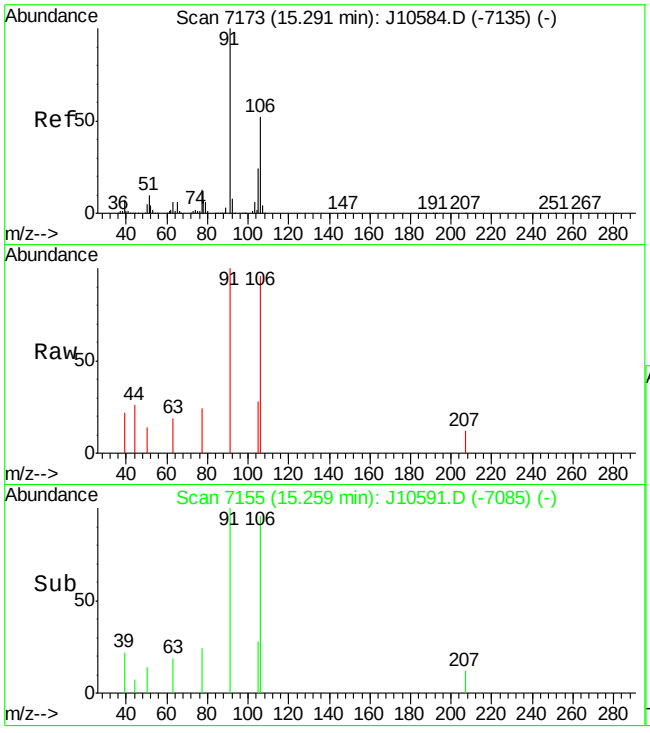


#55
ETHYLBENZENE
Concen: 1.09 PPBV
RT: 15.09 min Scan# 7057
Delta R.T. -0.01 min
Lab File: J10591.D
Acq: 7 Jun 2007 8:28 pm

Tgt Ion: 91 Resp: 4712

Ion	Ratio	Lower	Upper
91	100		
106	21.7	11.5	51.5
77	1.1	0.0	29.0

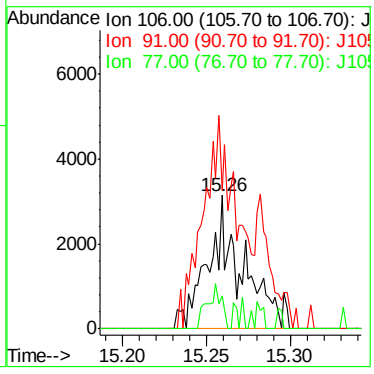


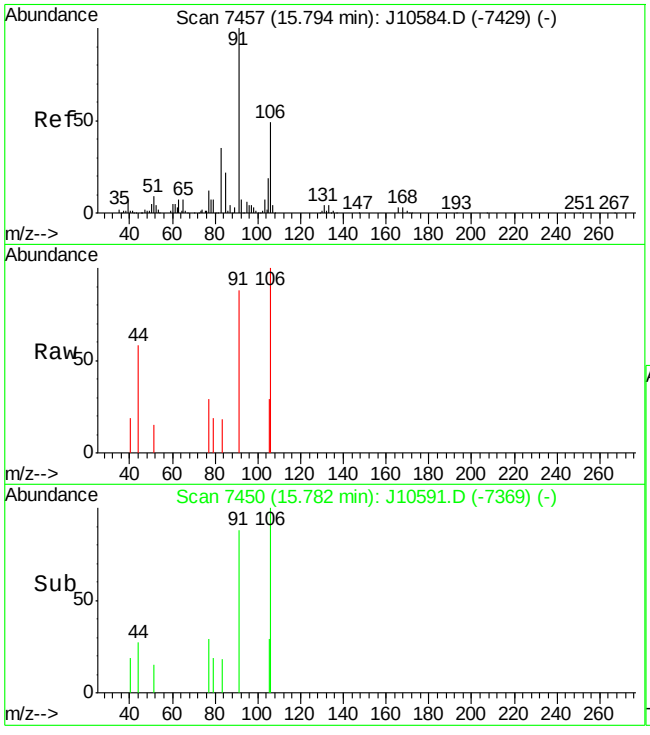


#56
m,p-XYLENE
Concen: 2.23 PPBV
RT: 15.26 min Scan# 7155
Delta R.T. -0.03 min
Lab File: J10591.D
Acq: 7 Jun 2007 8:28 pm

Tgt Ion:106 Resp: 4528

Ion	Ratio	Lower	Upper
106	100		
91	103.8	153.3	229.9#
77	24.8	20.6	30.8

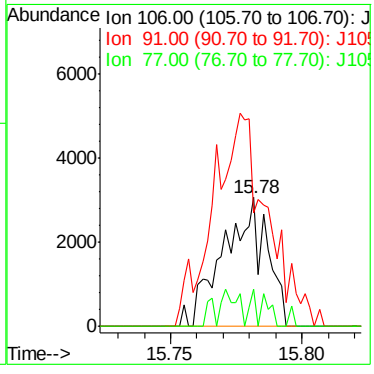


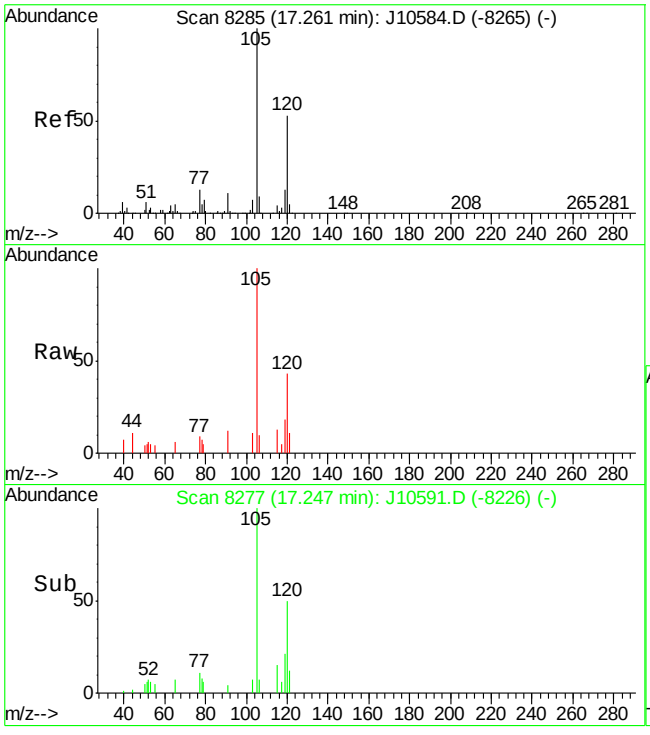


#57
o-XYLENE
Concen: 1.15 PPBV
RT: 15.78 min Scan# 7450
Delta R.T. -0.01 min
Lab File: J10591.D
Acq: 7 Jun 2007 8:28 pm

Tgt Ion:106 Resp: 3541

Ion	Ratio	Lower	Upper
106	100		
91	206.0	187.6	227.6
77	23.2	6.4	46.4

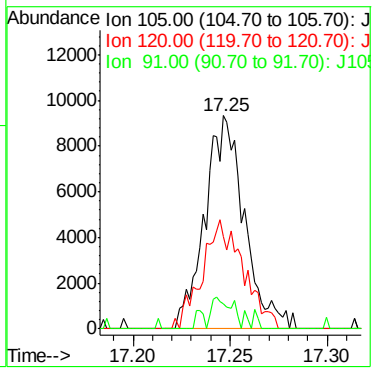


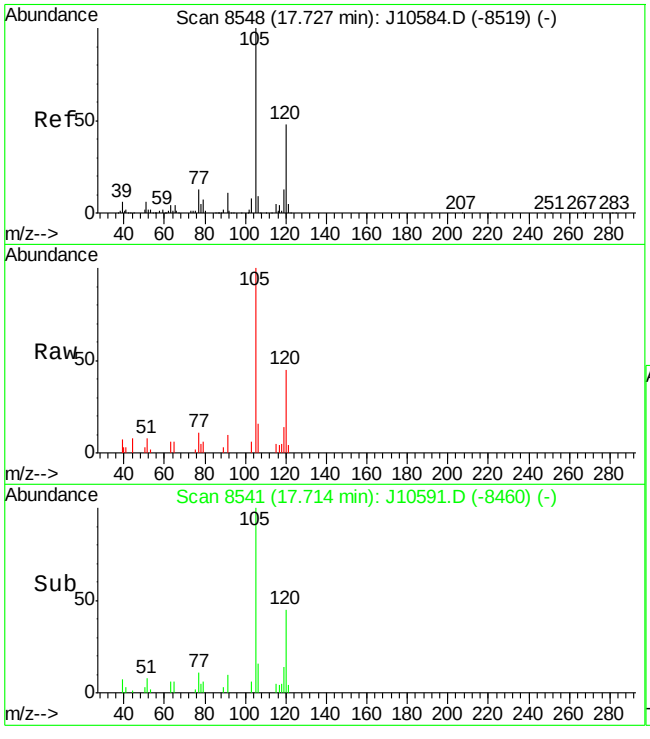


#66
1,3,5-TRIMETHYLBENZENE
Concen: 1.34 PPBV
RT: 17.25 min Scan# 8277
Delta R.T. -0.01 min
Lab File: J10591.D
Acq: 7 Jun 2007 8:28 pm

Tgt Ion:105 Resp: 13143

Ion	Ratio	Lower	Upper
105	100		
120	53.3	31.5	71.5
91	10.3	0.0	30.6

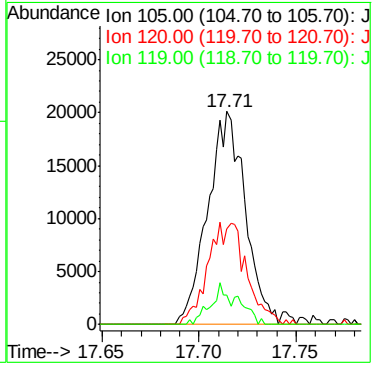




#67
1,2,4-TRIMETHYLBENZENE
Concen: 1.59 PPBV
RT: 17.71 min Scan# 8541
Delta R.T. -0.01 min
Lab File: J10591.D
Acq: 7 Jun 2007 8:28 pm

Tgt Ion:105 Resp: 27168

Ion	Ratio	Lower	Upper
105	100		
120	49.1	27.9	67.9
119	13.9	0.0	32.7

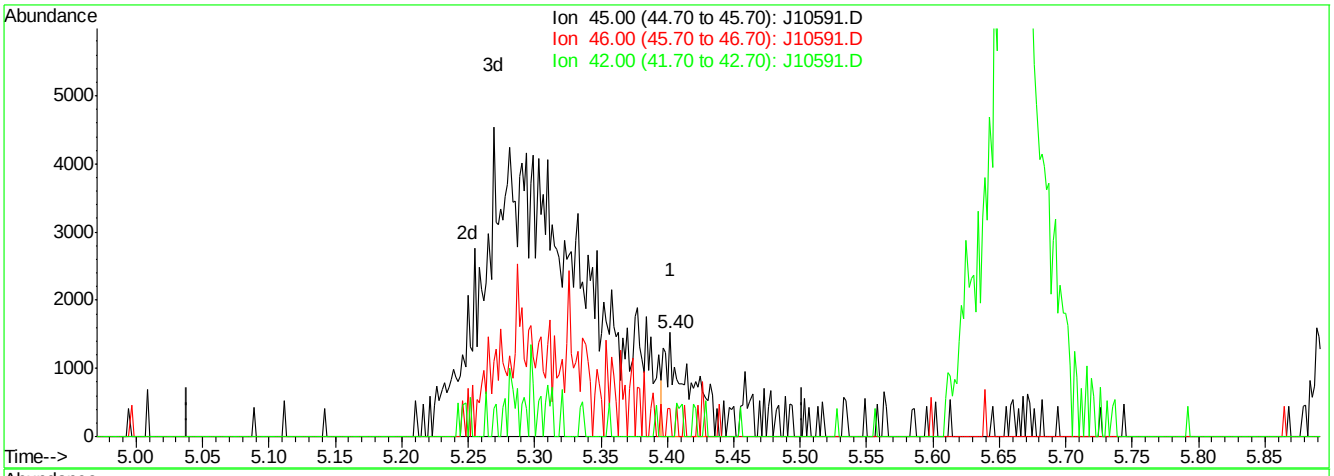


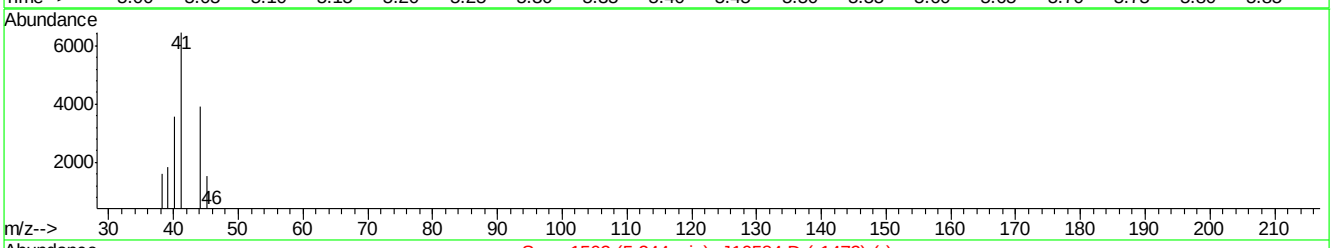
Quantitation Report (Qedit)

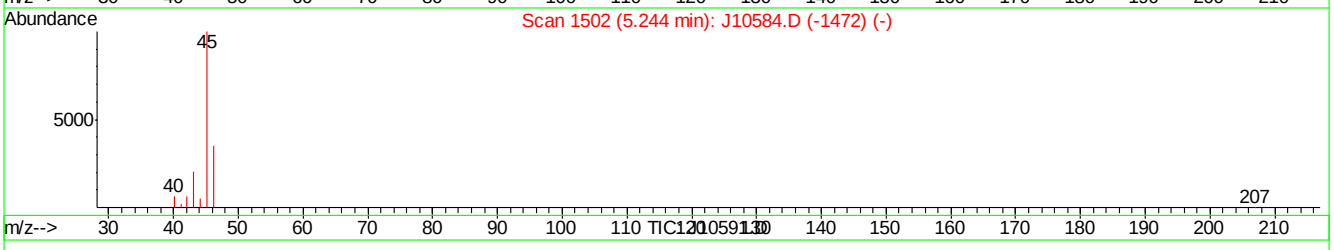
Data File : C:\MSDCHEM\1\DATA\J10591.D Vial: 5
Acq On : 7 Jun 2007 8:28 pm Operator: danat
Sample : m65248-1dup (m027) Inst : MSJ
Misc : MS13707, MSJ548,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 08 08:11:31 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 16:30:04 2007
Response via : Multiple Level Calibration







(16) ETHANOL (m)

5.40min 0.32PPBV

response 2050

Ion	Exp%	Act%
45.00	100	100
46.00	20.50	2.39
42.00	2.60	7.12
0.00	0.00	0.00

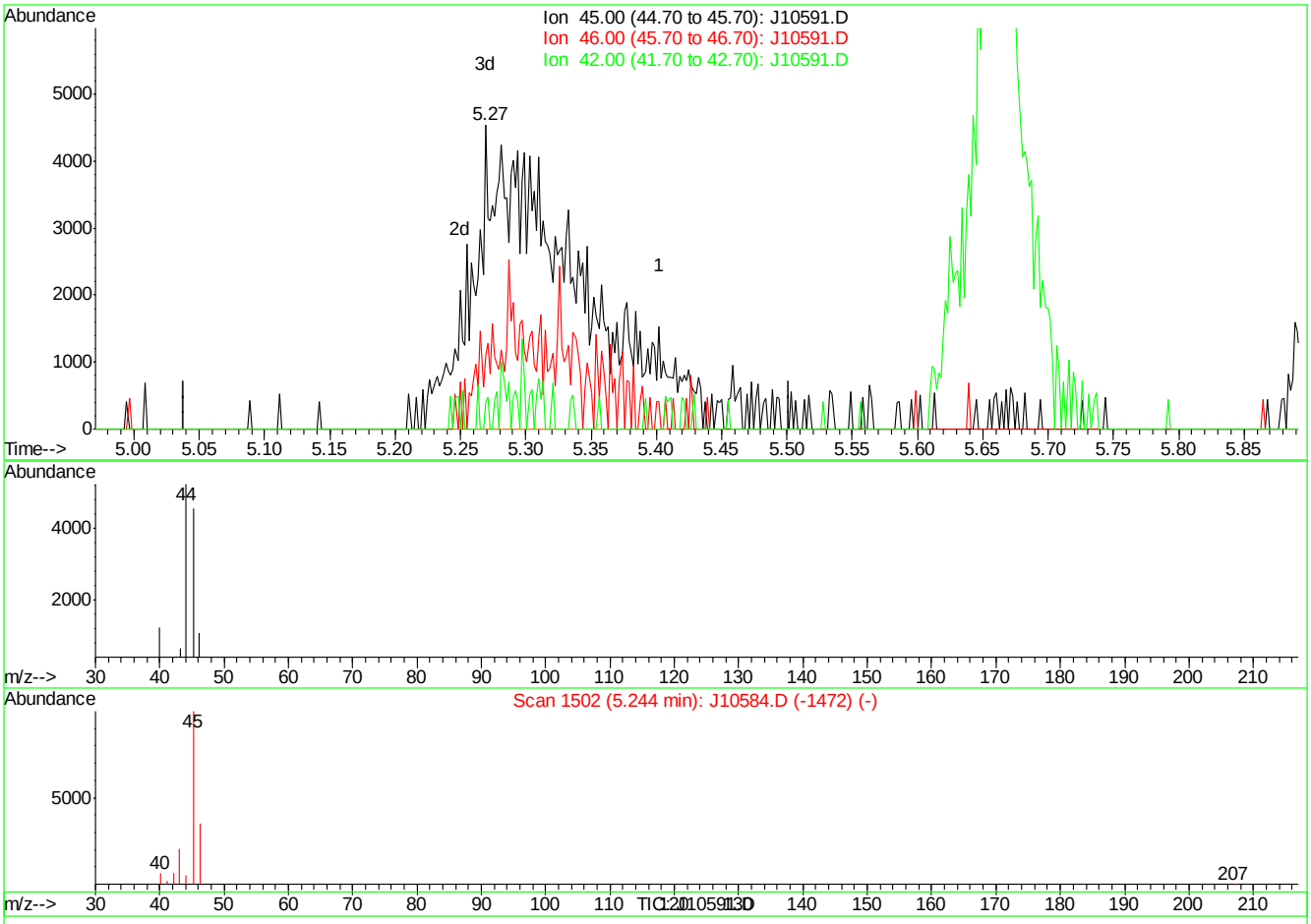
J10591.D J060707T.M Fri Jun 08 16:02:18 2007

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J10591.D Vial: 5
Acq On : 7 Jun 2007 8:28 pm Operator: danat
Sample : m65248-1dup (m027) Inst : MSJ
Misc : MS13707, MSJ548,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 08 08:11:31 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 16:30:04 2007
Response via : Multiple Level Calibration



(16) ETHANOL (m)

5.27min 3.79PPBV m

response 24217

Ion	Exp%	Act%
45.00	100	100
46.00	20.50	0.20#
42.00	2.60	0.60
0.00	0.00	0.00

J10591.D J060707T.M Fri Jun 08 16:02:36 2007

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3483.D
Acq On : 22 May 2007 11:26 am
Operator : PhilipB
Sample : M64897-12 (M068)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 22 15:18:03 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 : Tue May 22 09:36:34 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.421	128	70280	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.343	114	315332	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.694	117	268901	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.336	95	99226	4.81	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 96.20%

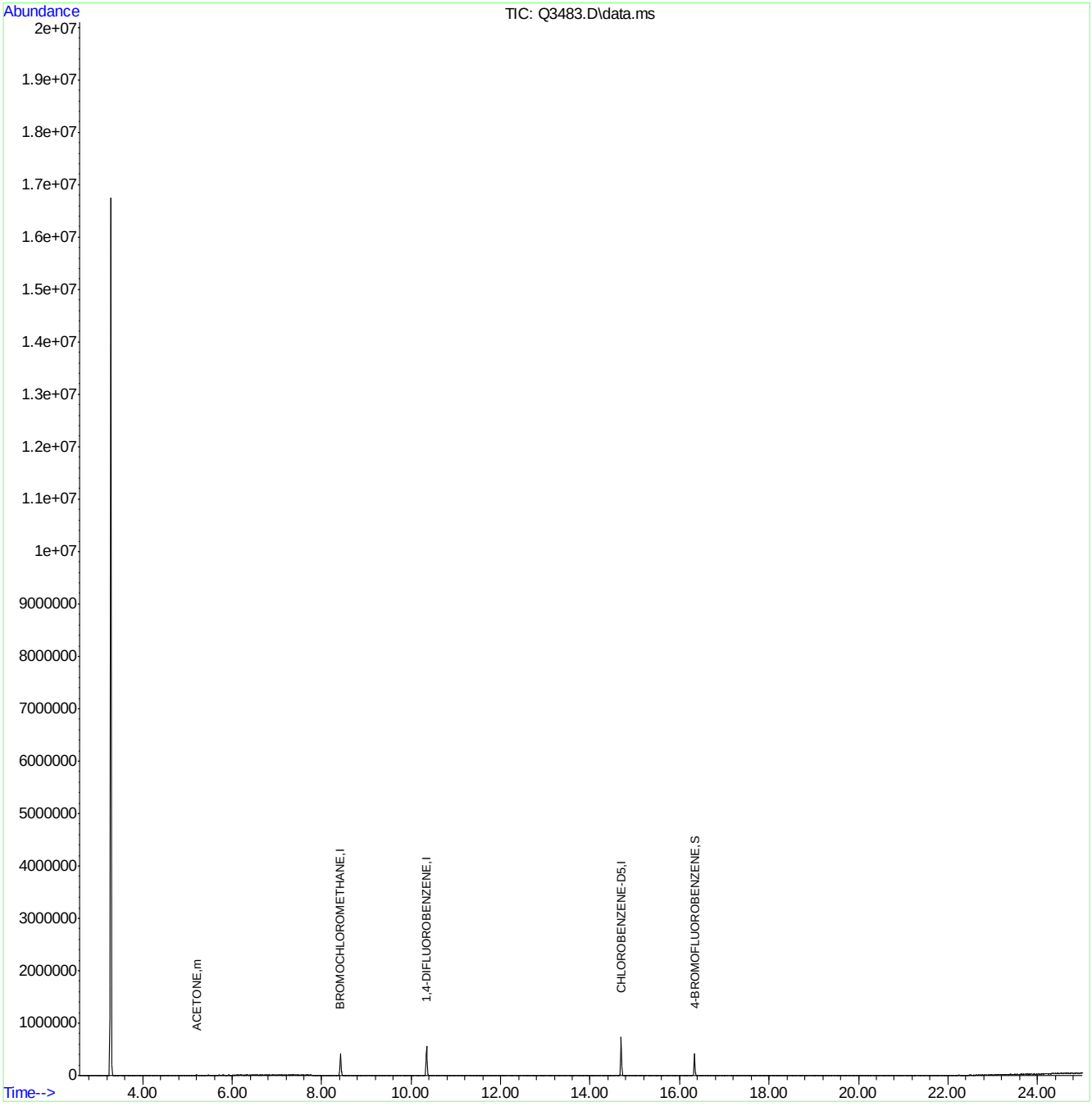
Target Compounds						Qvalue
12) ACETONE	5.205	43	9247	0.31	PPBV	96

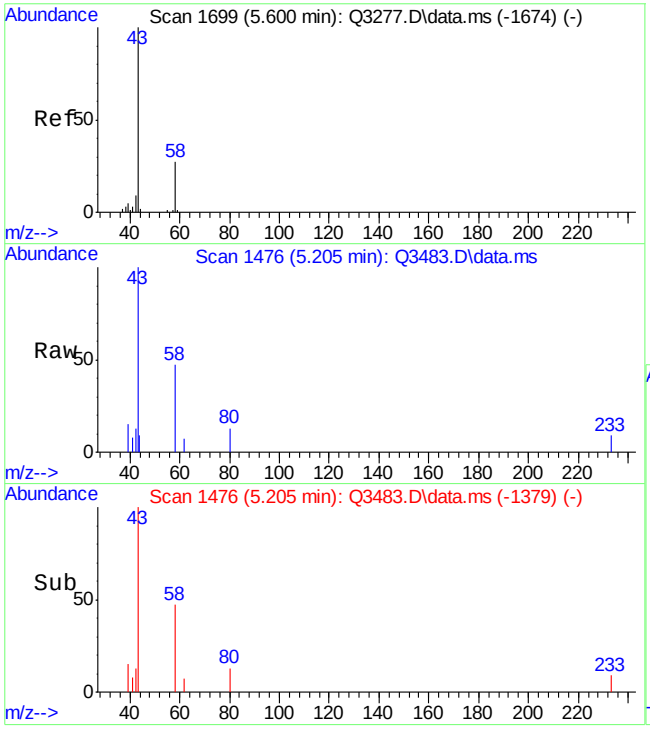
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3483.D
Acq On : 22 May 2007 11:26 am
Operator : PhilipB
Sample : M64897-12 (M068)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 22 15:18:03 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 : Tue May 22 09:36:34 2007
Response via : Initial Calibration

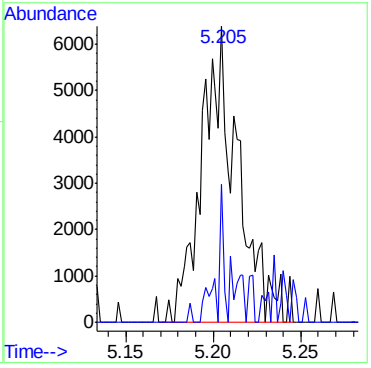




#12
ACETONE
Concen: 0.31 PPBV
RT: 5.205 min Scan# 1476
Delta R.T. 0.017 min
Lab File: Q3483.D
Acq: 22 May 2007 11:26 am

Tgt Ion: 43 Resp: 9247

Ion	Ratio	Lower	Upper
43	100		
58	4.0	0.0	20.3



6.5.1

6

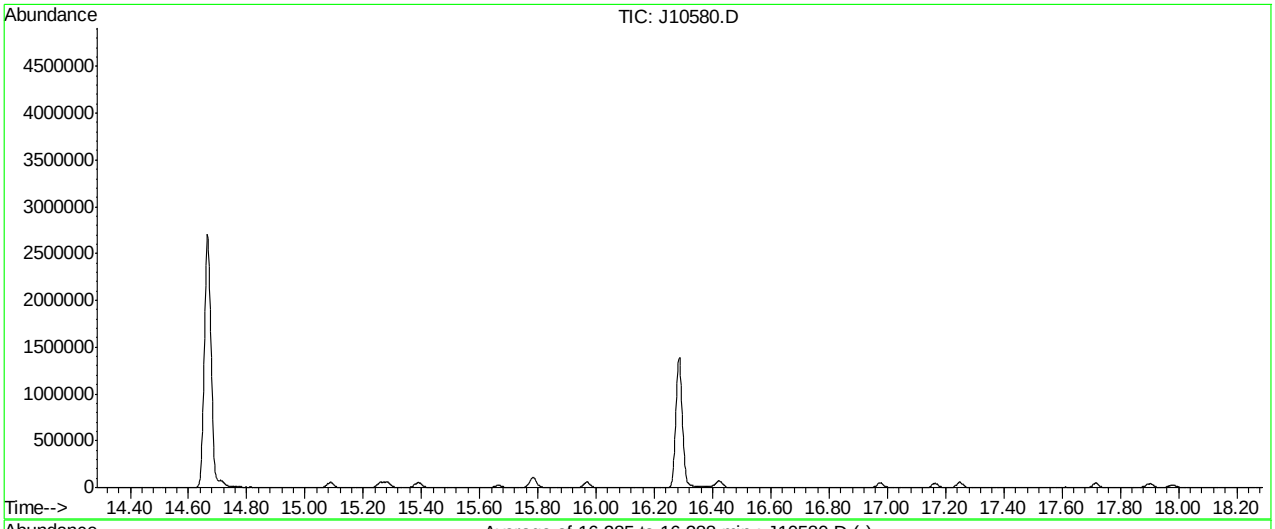
ACCUTEST Laboratories M65248

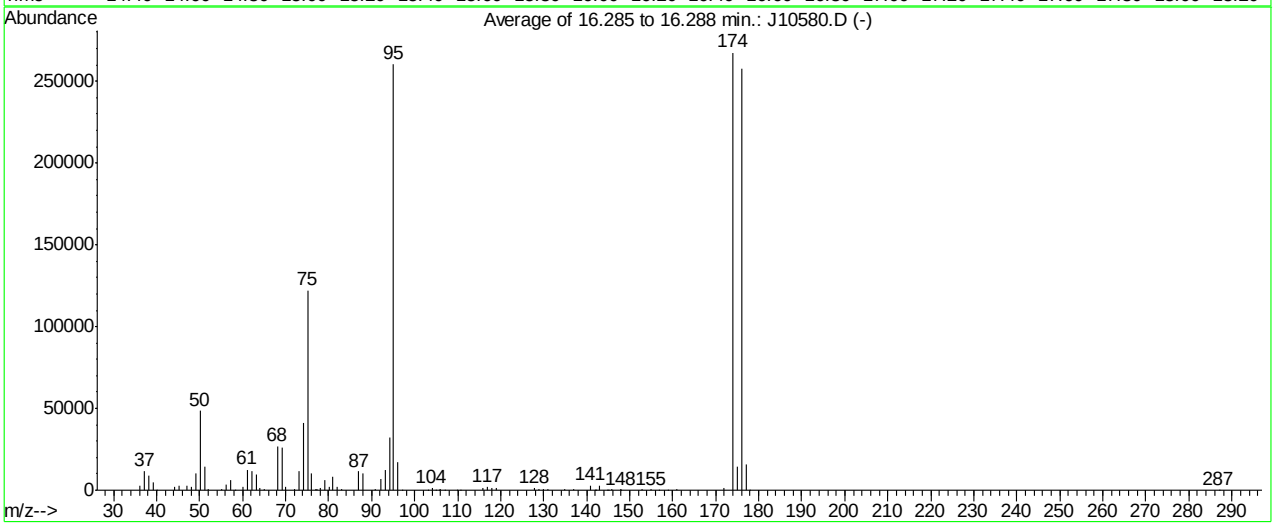
BFB

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

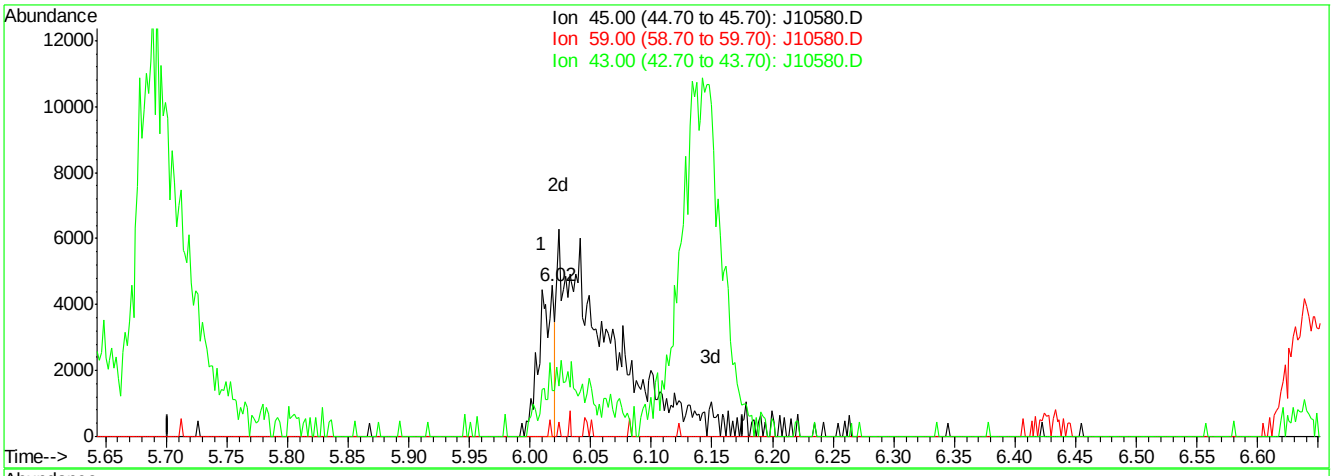
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
94.15	32104	110.70	174	141.00	3045	156.90	219
95.10	260629	115.95	1179	141.90	279	158.80	264
96.10	17365	117.00	1816	142.20	235	160.85	416
97.00	283	117.90	1249	143.00	2549	171.95	1539
103.10	147	119.00	1661	144.70	239	174.00	267626
104.00	1196	127.90	1274	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		

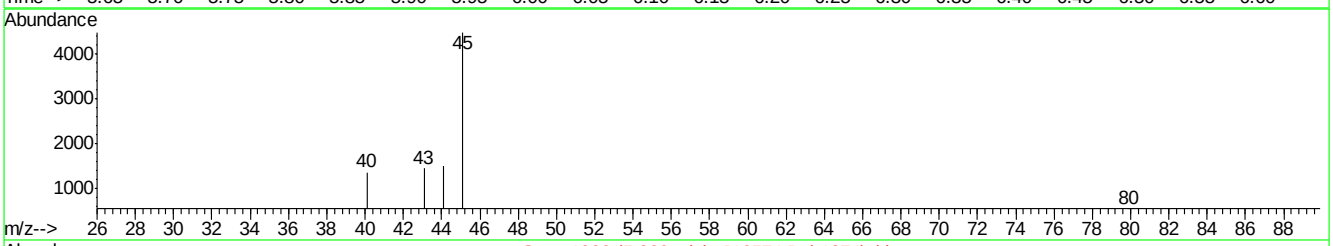
Quantitation Report (Qedit)

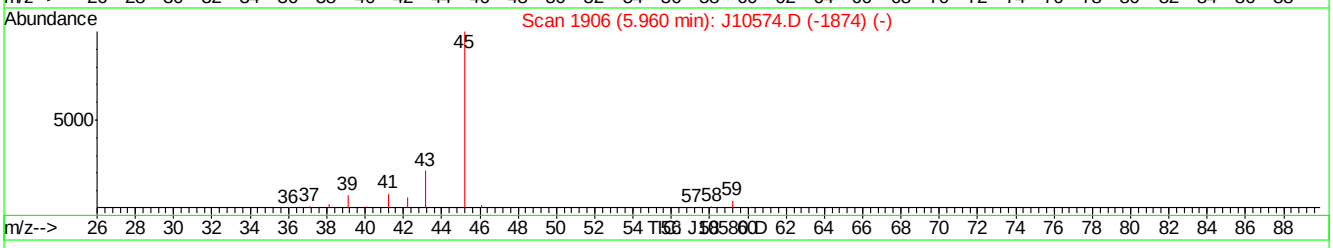
Data File : C:\MSDChem\1\data\J10580.D Vial: 1
Acq On : 7 Jun 2007 9:39 am Operator: danat
Sample : ic548-0.5 (m122) Inst : MSJ
Misc : MS13684, MSJ548,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

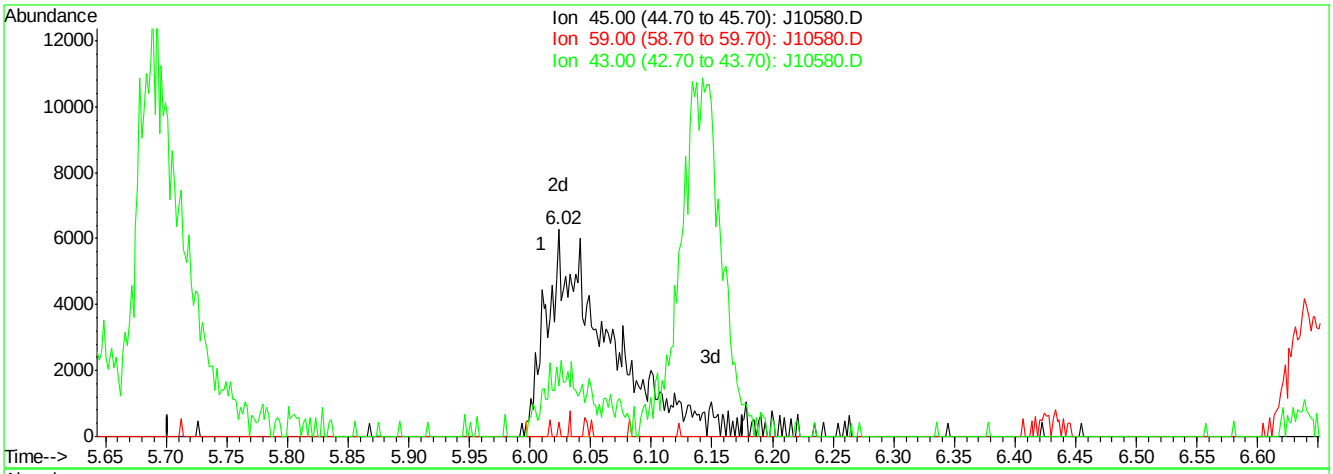
J10580.D J060707T.M Thu Jun 07 10:11:50 2007

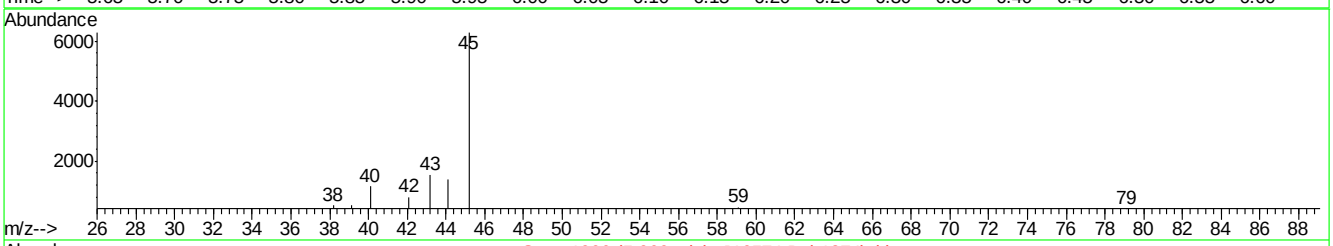
Quantitation Report (Qedit)

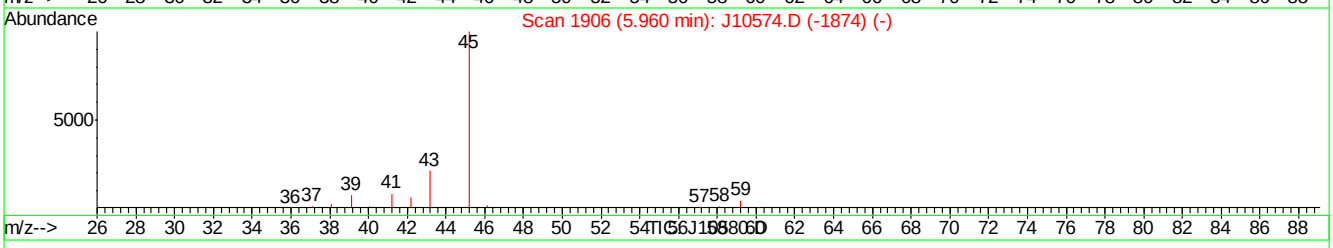
Data File : C:\MSDChem\1\data\J10580.D Vial: 1
Acq On : 7 Jun 2007 9:39 am Operator: danat
Sample : ic548-0.5 (m122) Inst : MSJ
Misc : MS13684, MSJ548,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

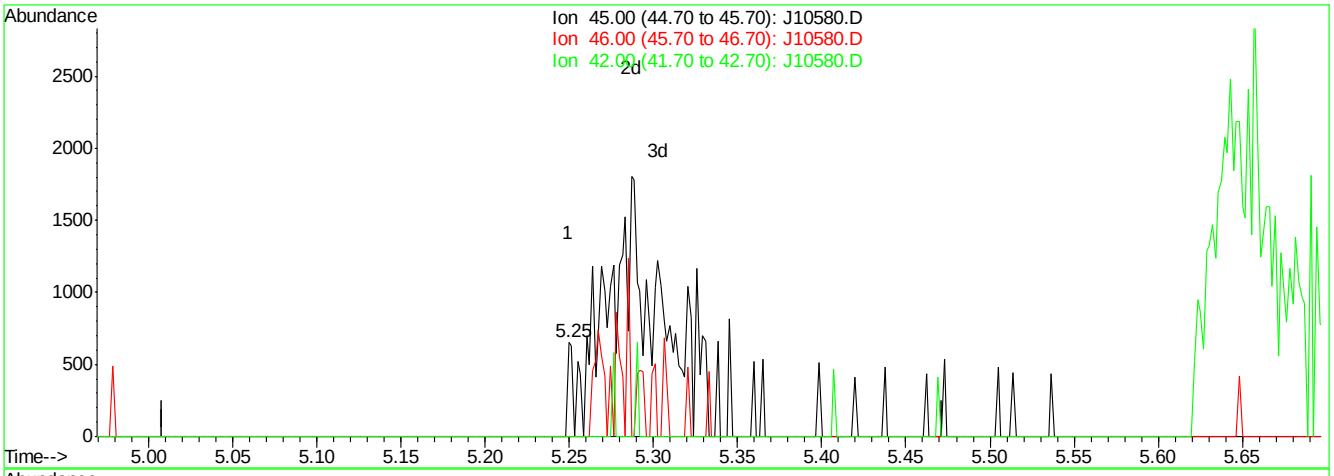
J10580.D J060707T.M Thu Jun 07 10:11:59 2007

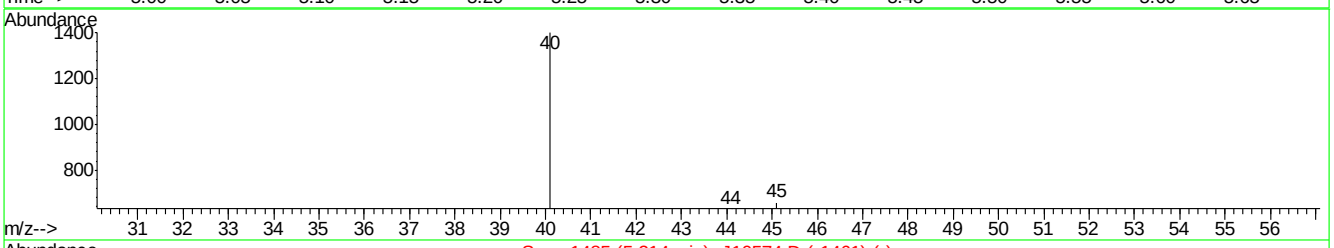
Quantitation Report (Qedit)

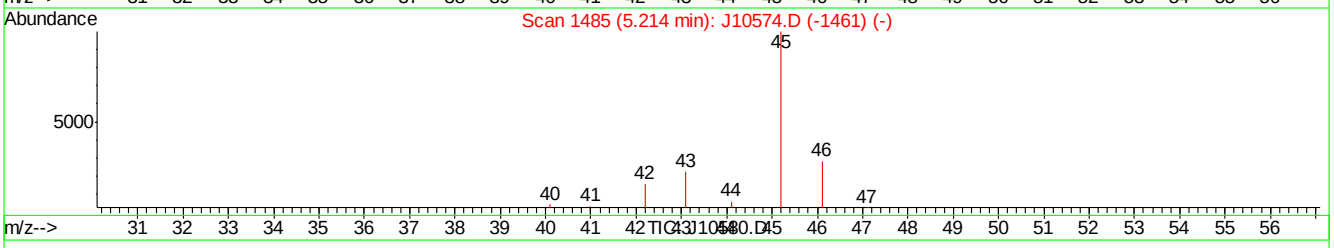
Data File : C:\MSDChem\1\data\J10580.D Vial: 1
Acq On : 7 Jun 2007 9:39 am Operator: danat
Sample : ic548-0.5 (m122) Inst : MSJ
Misc : MS13684, MSJ548,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

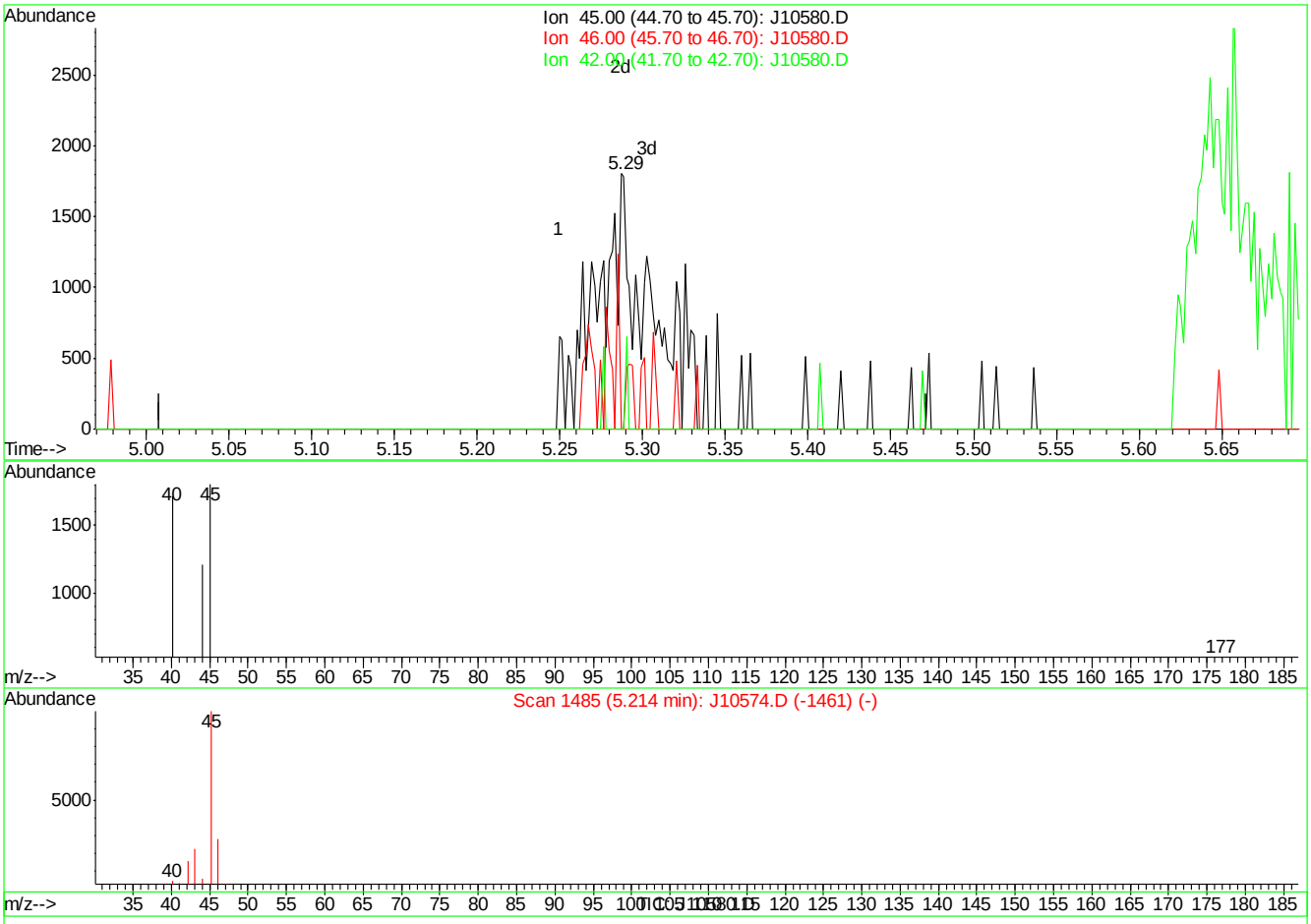
J10580.D J060707T.M Thu Jun 07 10:12:08 2007

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

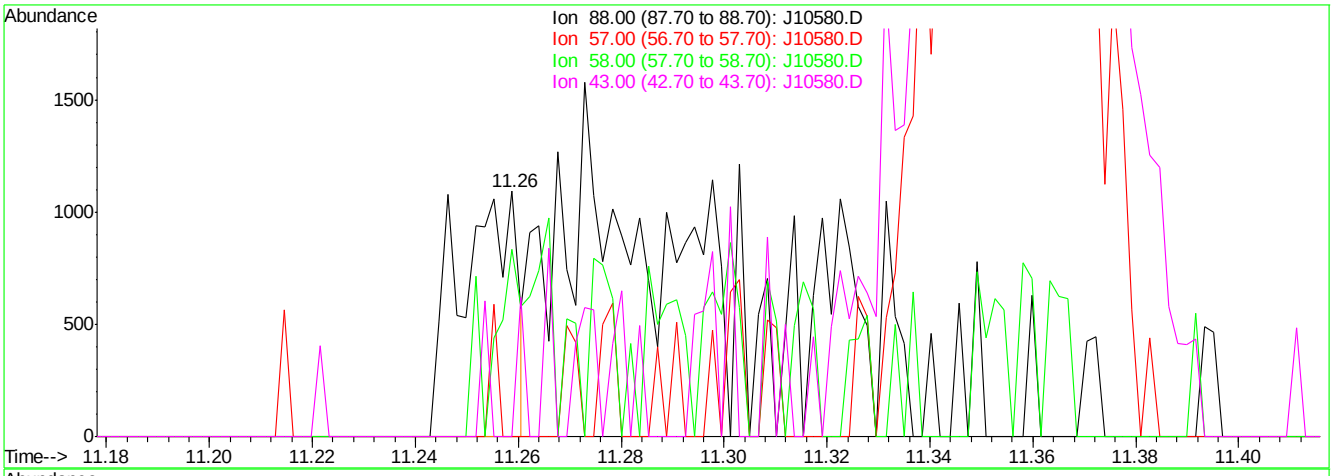
J10580.D J060707T.M Thu Jun 07 10:12:17 2007

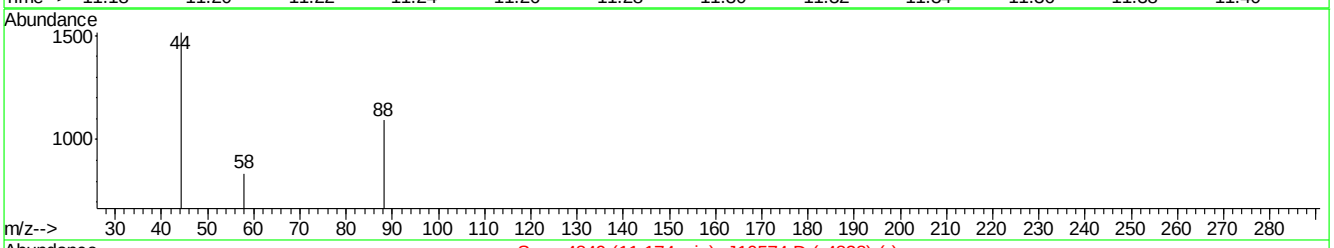
Quantitation Report (Qedit)

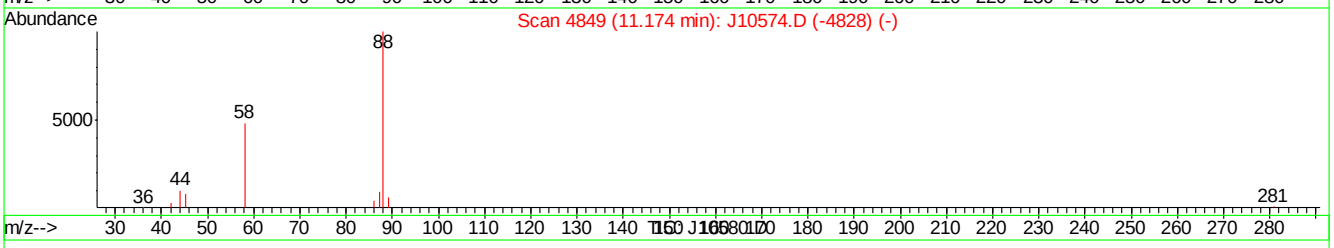
Data File : C:\MSDChem\1\data\J10580.D Vial: 1
Acq On : 7 Jun 2007 9:39 am Operator: danat
Sample : ic548-0.5 (m122) Inst : MSJ
Misc : MS13684, MSJ548,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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#

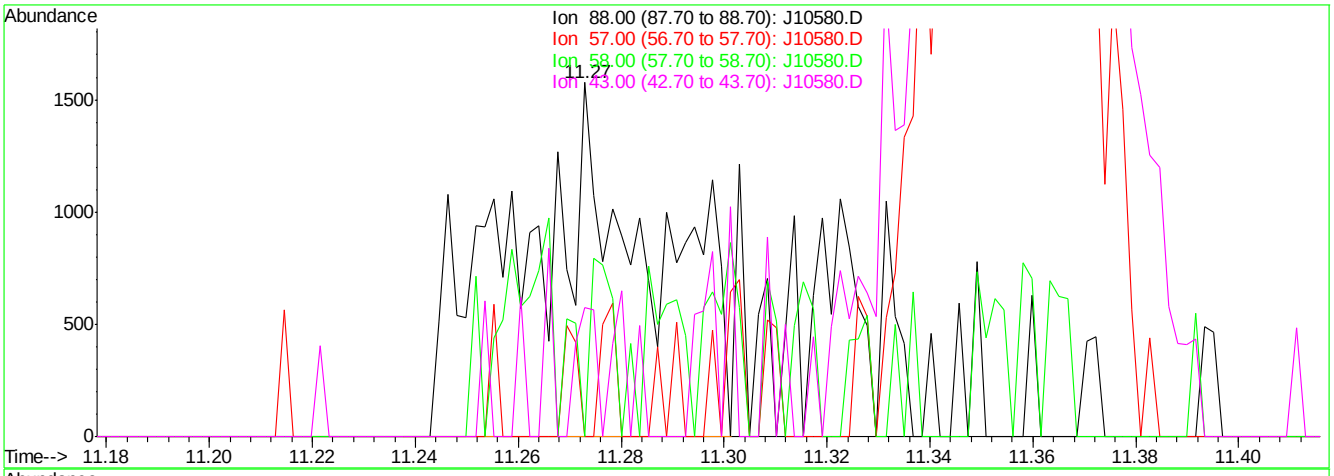
J10580.D J060707T.M Thu Jun 07 10:12:45 2007

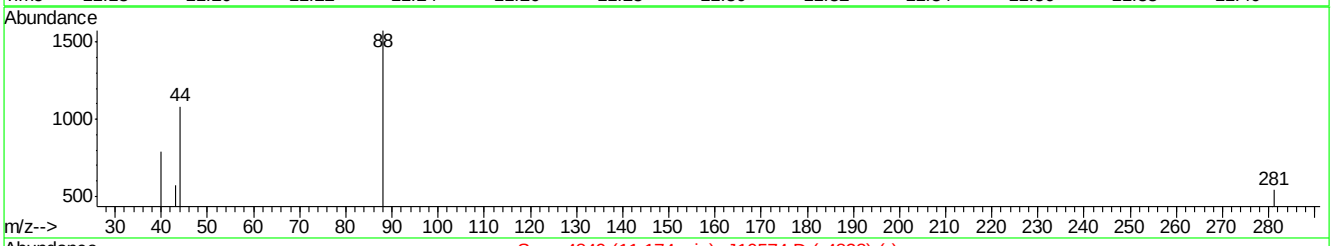
Quantitation Report (Qedit)

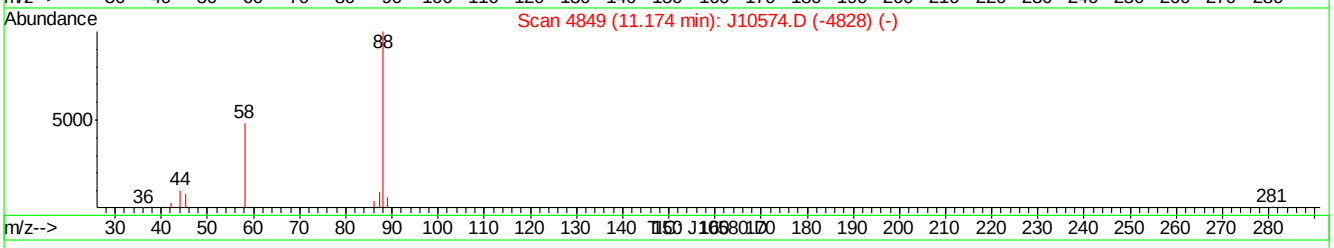
Data File : C:\MSDChem\1\data\J10580.D Vial: 1
Acq On : 7 Jun 2007 9:39 am Operator: danat
Sample : ic548-0.5 (m122) Inst : MSJ
Misc : MS13684, MSJ548,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

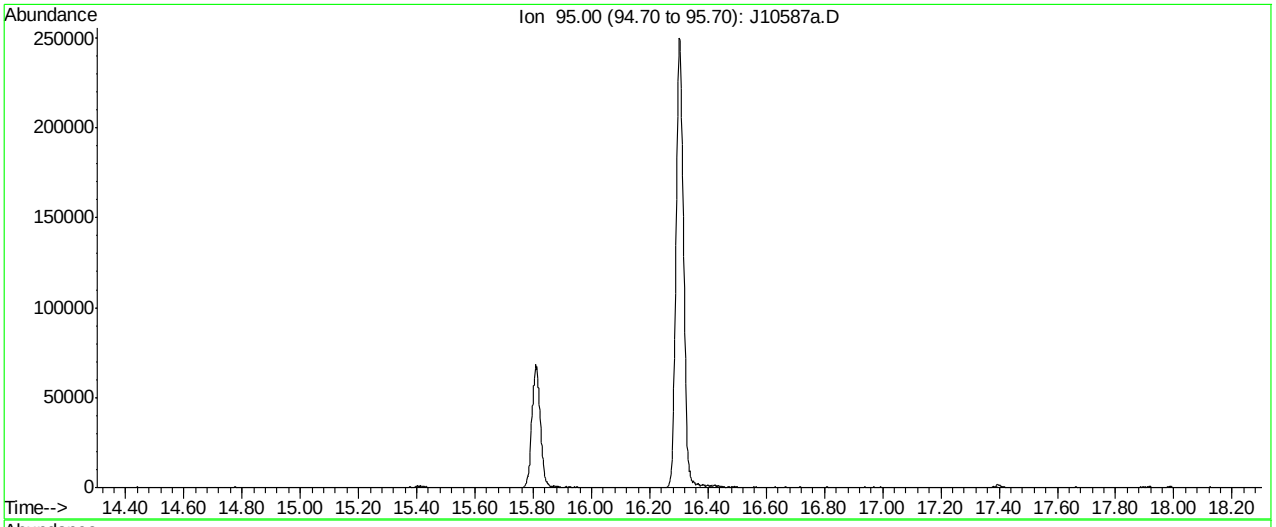
J10580.D J060707T.M Thu Jun 07 10:12:52 2007

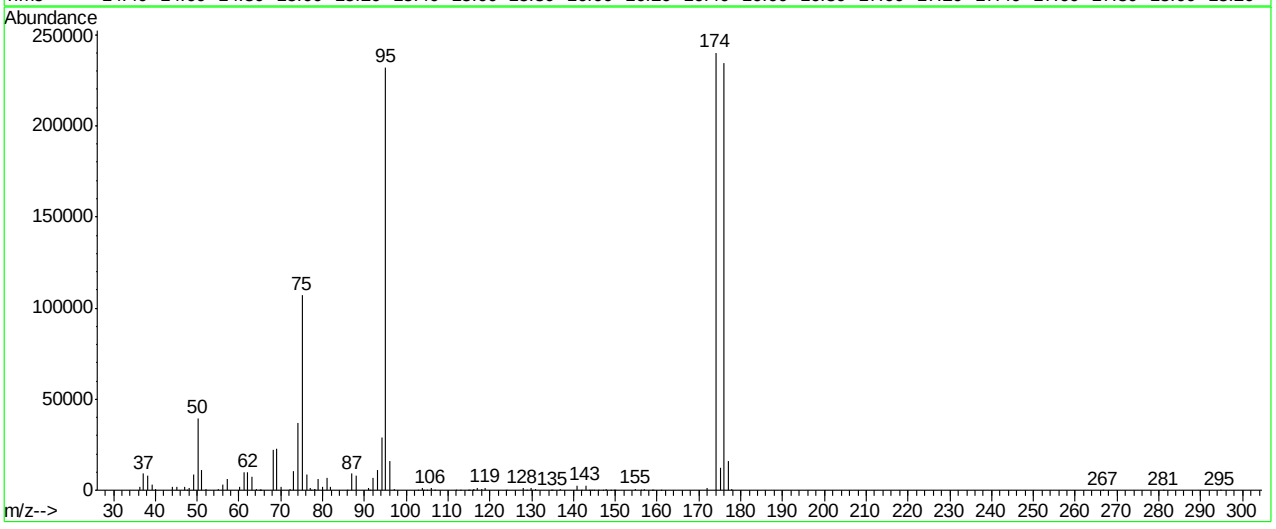
BFB

Data File : C:\MSDCHEM\1\DATA\J10587a.D
Acq On : 7 Jun 2007 4:48 pm
Sample : cc548-10 (m179)
Misc : MS13684, MSJ548,,,,,1
MS Integration Params: LSCINT.P

Vial: 3
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 16.295 to 16.310 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	17.0	39509	PASS
75	95	30	66	46.1	107081	PASS
95	95	100	100	100.0	232049	PASS
96	95	5	9	6.8	15734	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	103.5	240270	PASS
175	174	4	9	5.1	12172	PASS
176	174	93	101	97.6	234552	PASS
177	176	5	9	6.7	15830	PASS

J10587a.D J060707T.M Fri Jun 08 15:35:19 2007

Average of 16.295 to 16.310 min.: J10587a.D
cc548-10 (m179)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.15	2089	50.10	39509	64.90	46	77.05	1236
37.15	9231	51.15	11405	65.00	69	77.30	72
38.15	8018	52.05	567	65.15	244	78.00	409
39.15	3373	55.10	636	68.10	22212	78.15	397
40.05	683	56.15	3134	69.10	23064	79.00	6146
44.15	1852	57.10	6160	70.10	1904	80.00	1847
45.10	1648	60.05	2042	72.15	848	81.00	6559
47.10	2073	61.10	9602	73.10	10207	81.95	1754
47.60	126	62.10	9858	74.10	36844	85.85	169
48.10	1133	63.10	7454	75.10	107081	87.05	8985
49.15	8539	64.10	877	76.10	8943	88.05	8310

Average of 16.295 to 16.310 min.: J10587a.D
cc548-10 (m179)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
91.00	1113	105.00	287	118.95	1492	142.95	2773
91.20	82	105.95	1147	123.85	93	143.70	51
92.10	6830	106.90	45	127.95	1129	144.20	49
93.10	10839	112.00	54	128.80	274	144.90	155
94.10	28694	112.90	46	129.90	1116	145.85	309
95.10	232049	114.90	54	130.95	382	147.10	45
96.10	15734	115.10	62	134.80	261	147.85	623
97.05	390	115.90	229	135.00	78	148.95	196
102.90	56	116.05	797	136.90	380	149.70	49
103.95	988	116.95	1402	140.95	2462	150.00	104
104.20	107	118.00	879	141.95	282	154.90	854

Average of 16.295 to 16.310 min.: J10587a.D
cc548-10 (m179)

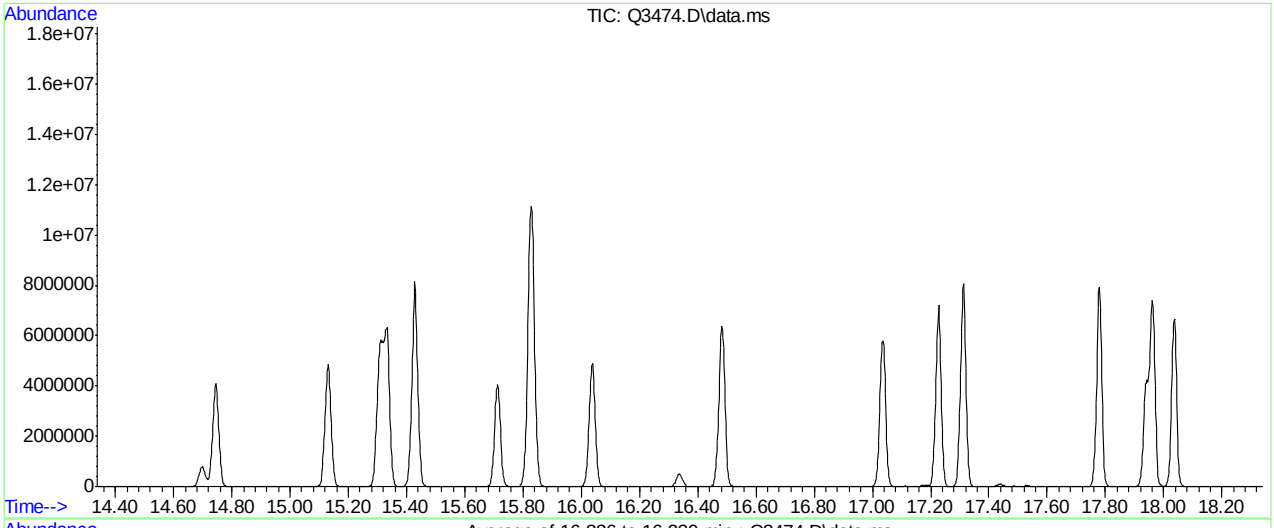
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
156.20	49	266.70	44				
156.90	359	281.10	45				
158.75	160	294.70	52				
158.95	119						
160.90	189						
171.95	970						
174.00	240270						
175.05	12172						
176.00	234552						
177.00	15830						
177.85	451						

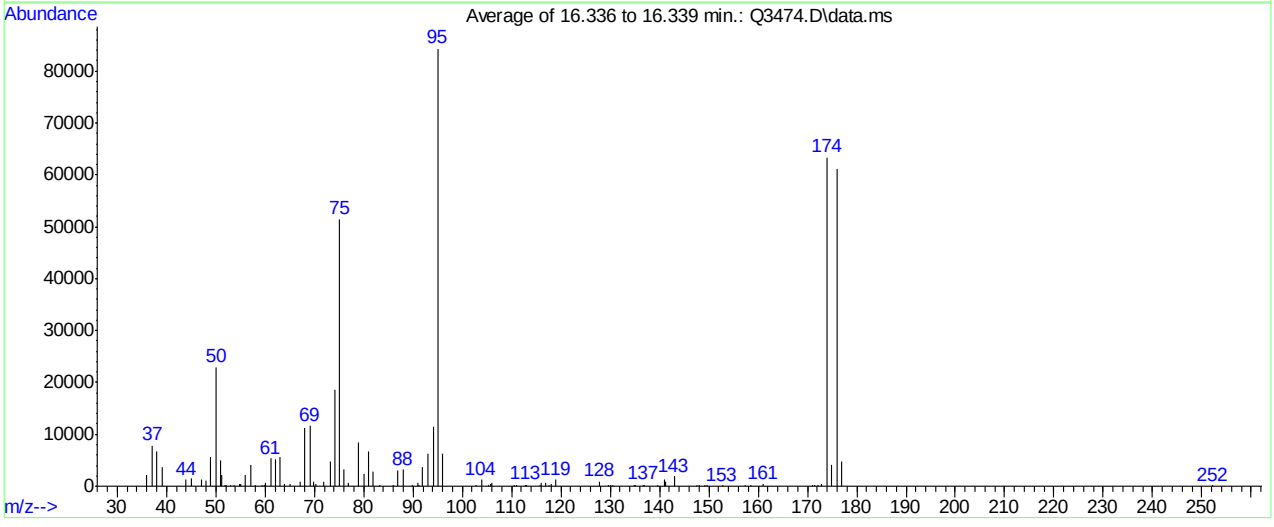
BFB

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

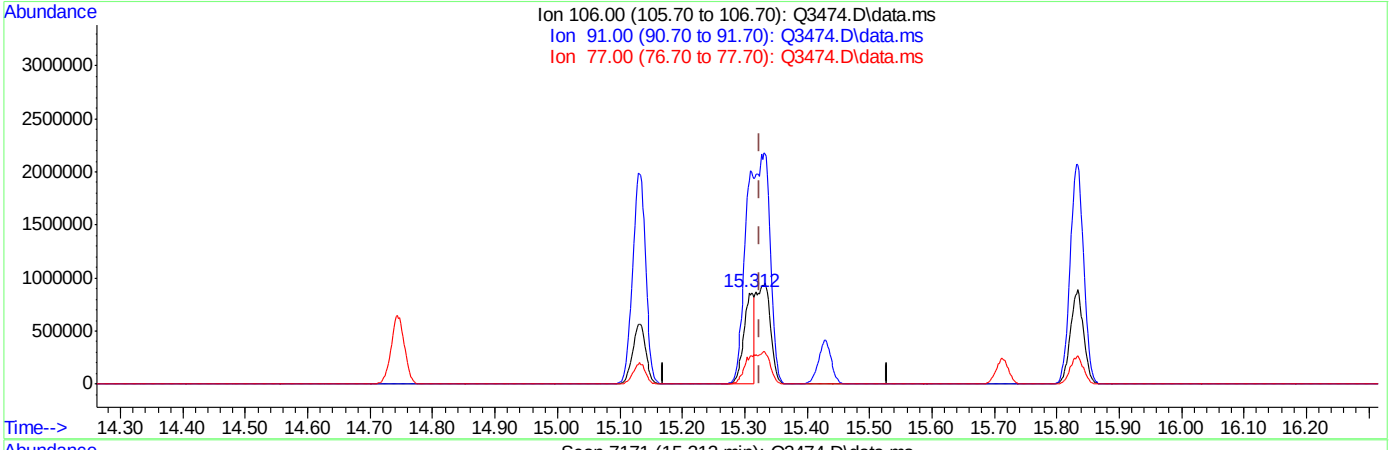
Average of 16.336 to 16.339 min.: Q3474.D\data.ms
IC189-40 (M060)

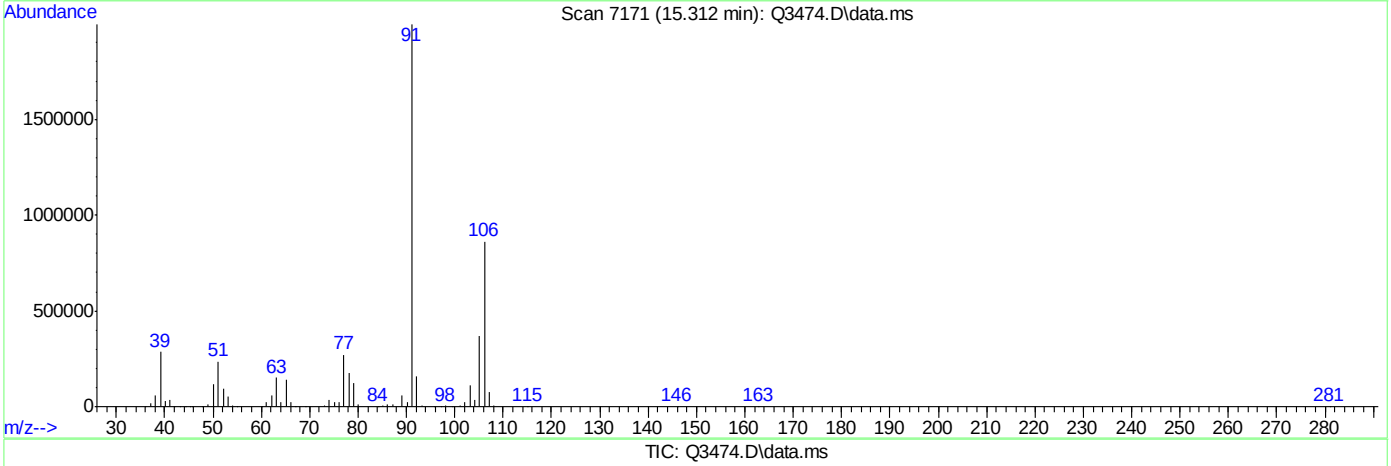
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
157.40	148	252.20	151				
158.60	161						
161.10	356						
171.00	205						
171.50	205						
172.10	260						
172.90	333						
174.00	63384						
174.95	4070						
175.95	61098						
176.95	4693						

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

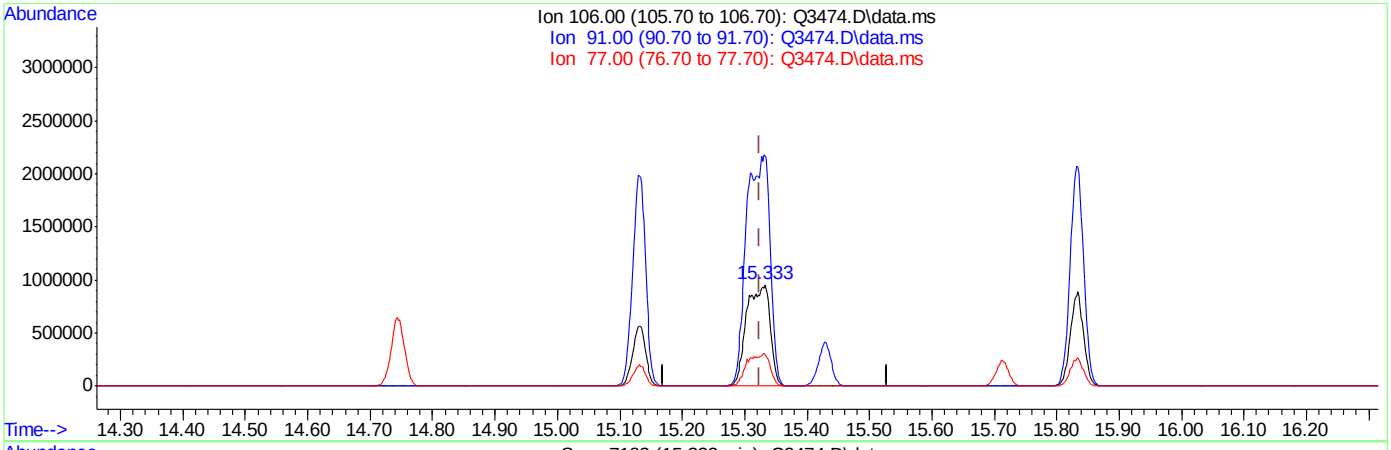
Ion	Exp%	Act%
106.00	100	100
91.00	204.20	231.51
77.00	30.60	31.54
0.00	0.00	0.00

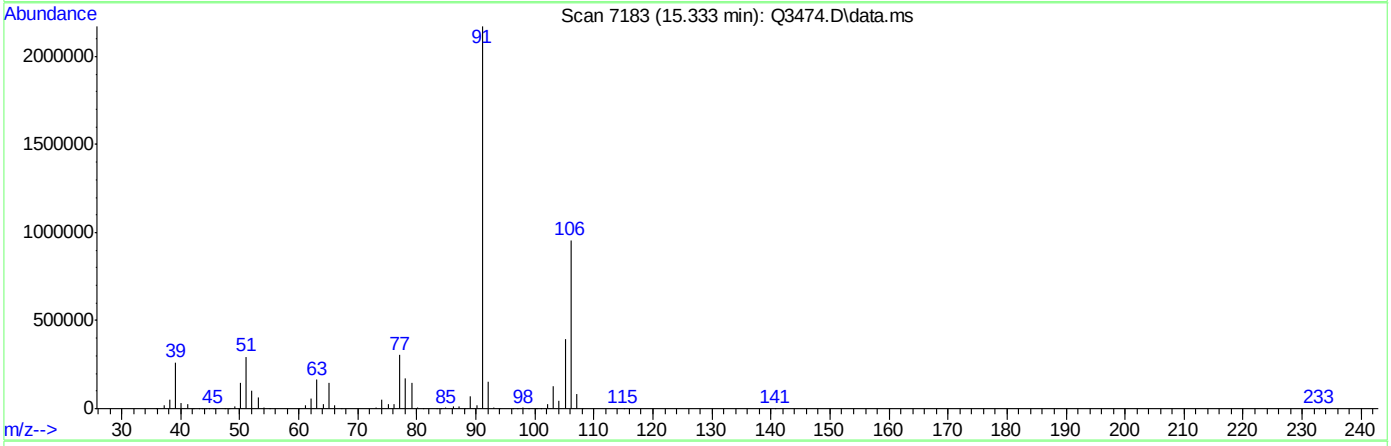
ACCUTEST Laboratories M65248

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 M65248

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

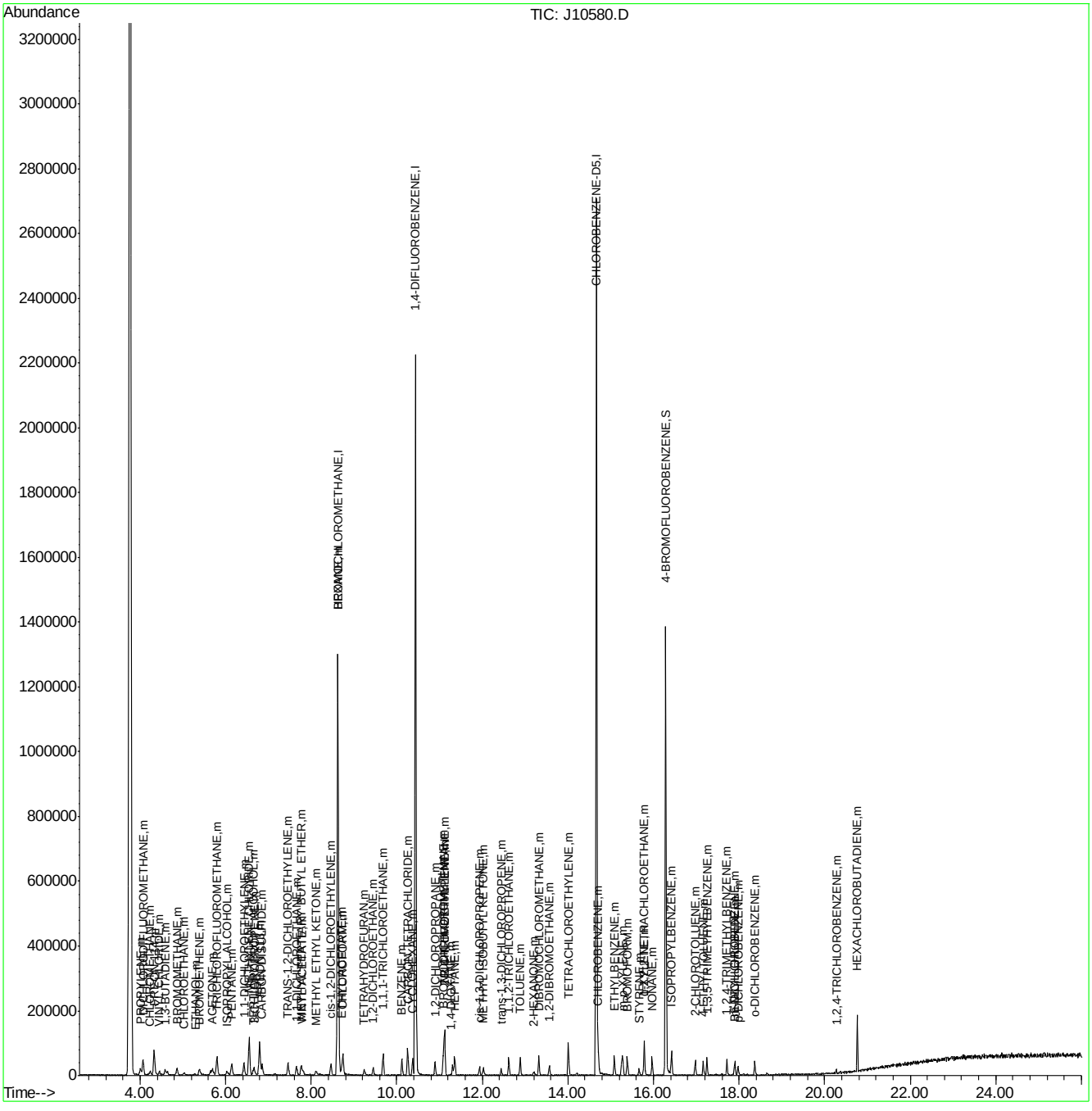
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.02	43	18426	0.42	PPBV	92
45) cis-1,3-DICHLOROPROPENE	11.93	75	13208	0.31	PPBV	95
46) TOLUENE	12.89	92	22951	0.38	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.44	75	10082	0.31	PPBV	97
48) 1,1,2-TRICHLOROETHANE	12.62	83	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

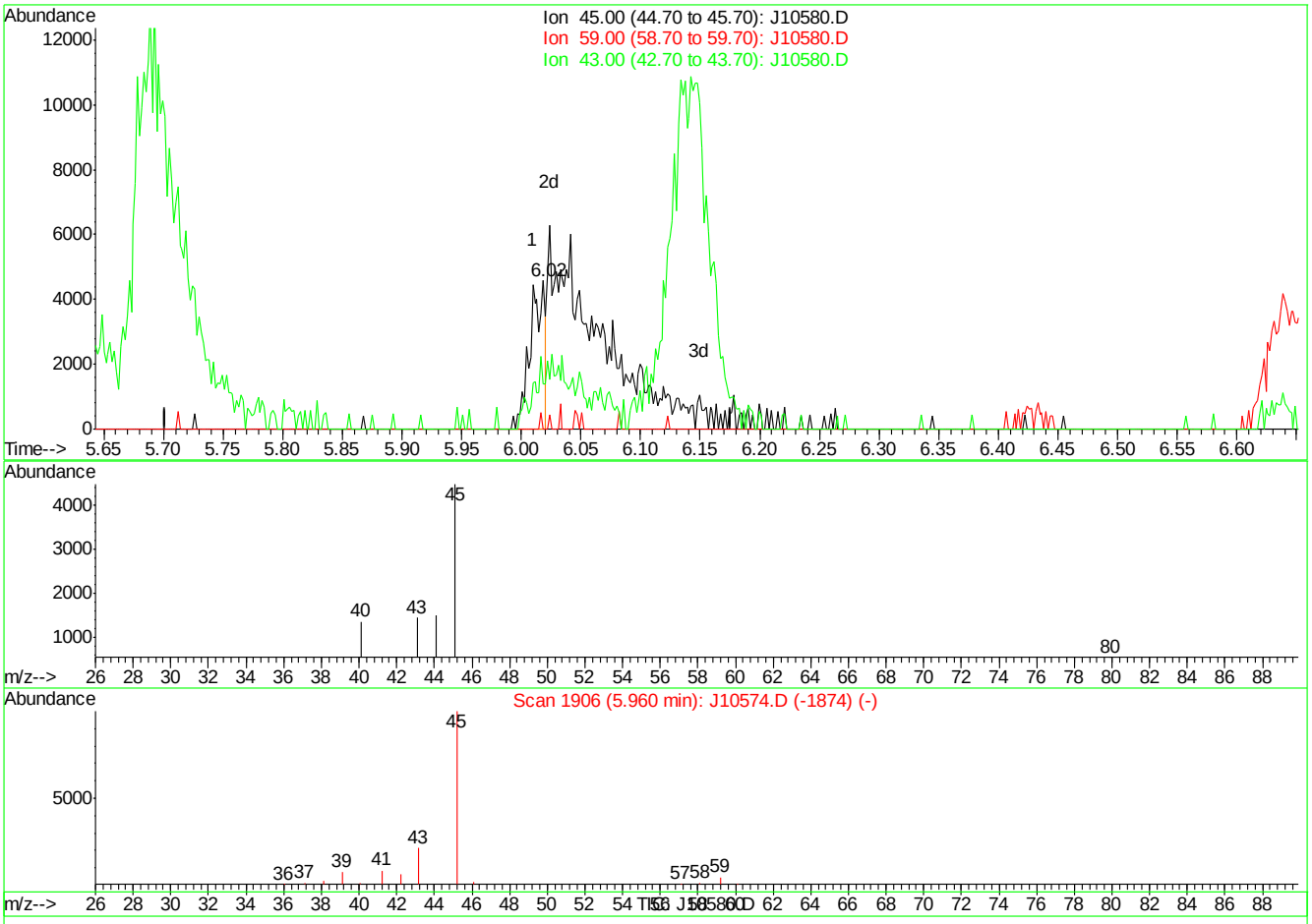


Quantitation Report (Qedit)

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

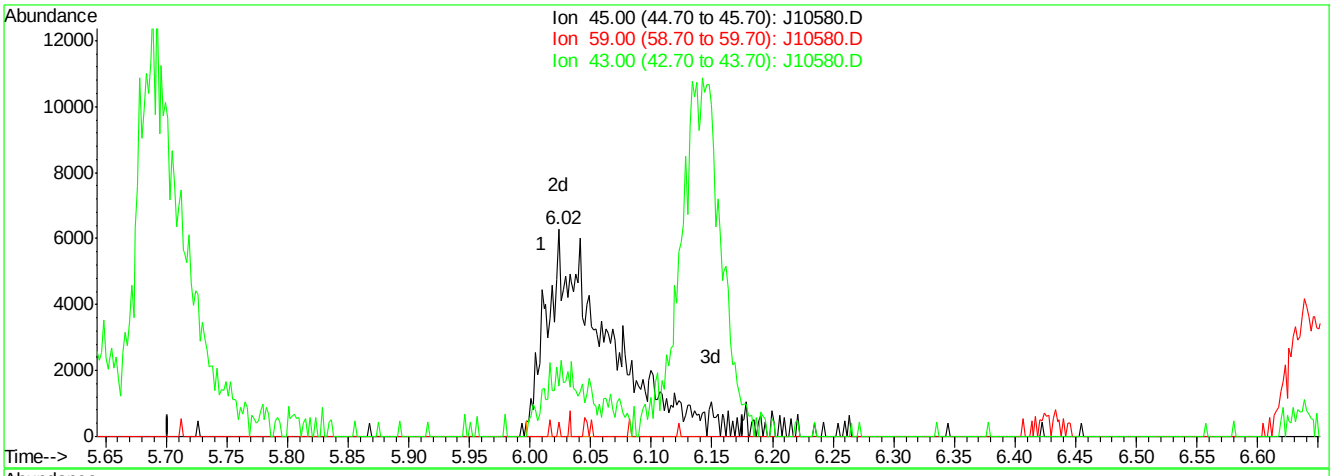
J10580.D J060707T.M Thu Jun 07 10:11:50 2007

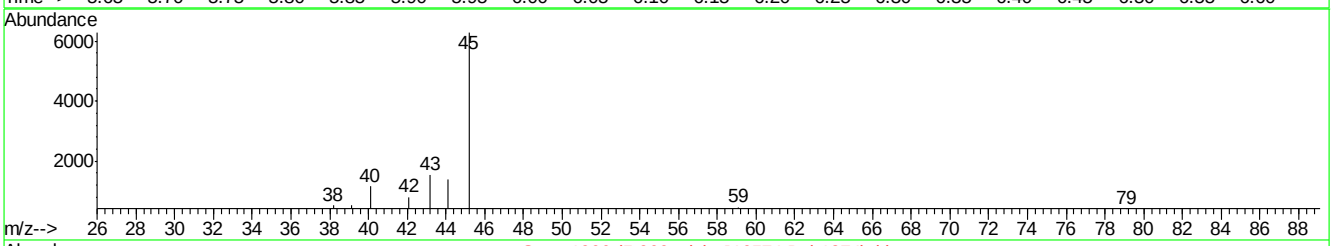
Quantitation Report (Qedit)

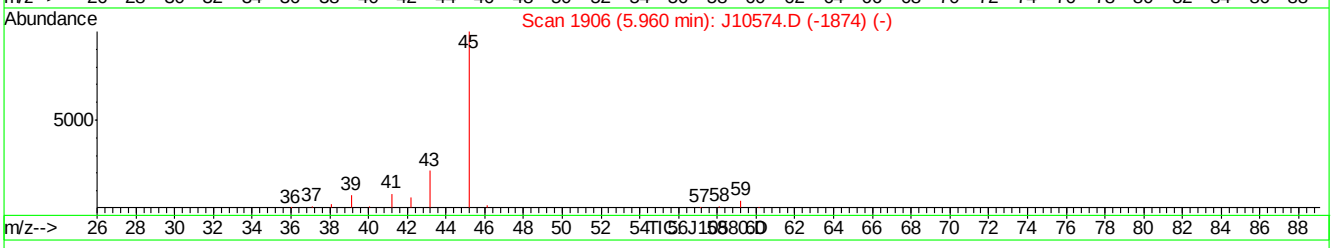
Data File : C:\MSDChem\1\data\J10580.D Vial: 1
Acq On : 7 Jun 2007 9:39 am Operator: danat
Sample : ic548-0.5 (m122) Inst : MSJ
Misc : MS13684, MSJ548,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

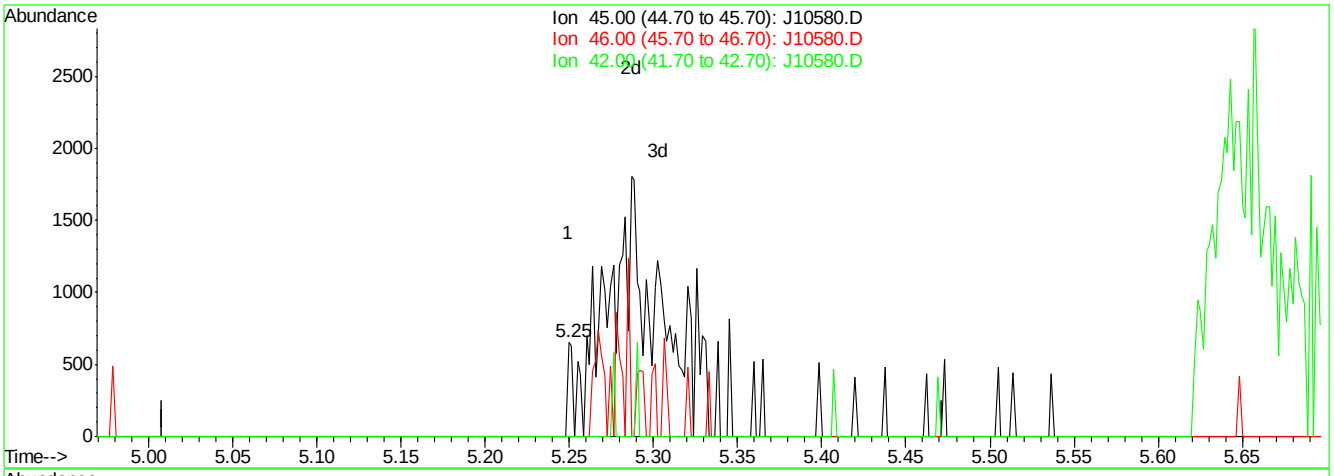
J10580.D J060707T.M Thu Jun 07 10:11:59 2007

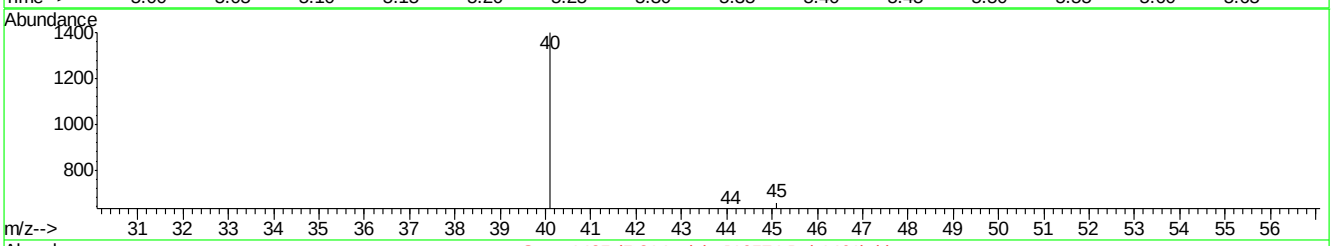
Quantitation Report (Qedit)

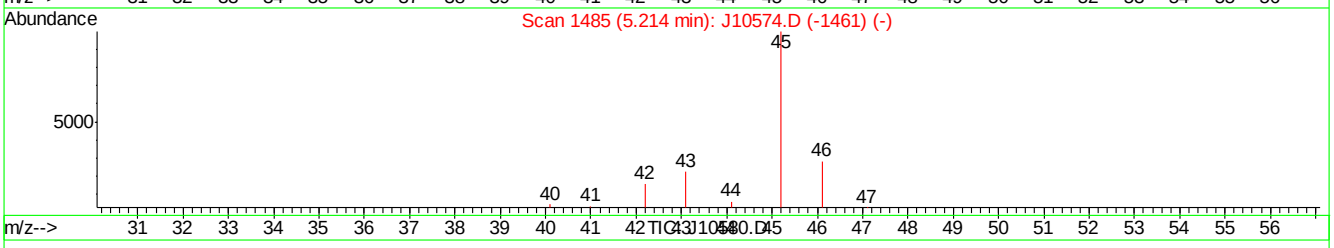
Data File : C:\MSDChem\1\data\J10580.D Vial: 1
Acq On : 7 Jun 2007 9:39 am Operator: danat
Sample : ic548-0.5 (m122) Inst : MSJ
Misc : MS13684, MSJ548,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

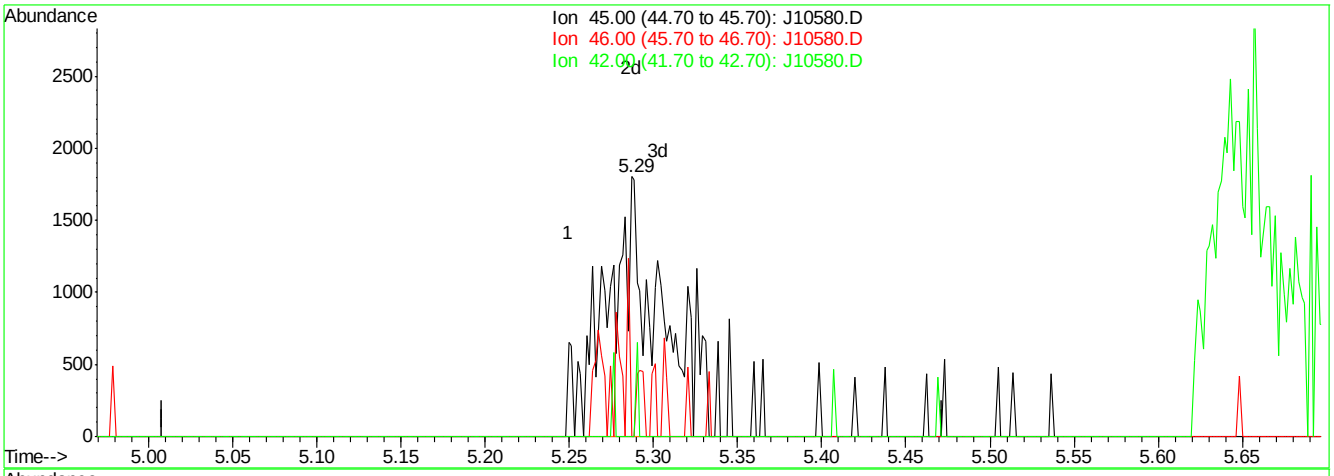
J10580.D J060707T.M Thu Jun 07 10:12:08 2007

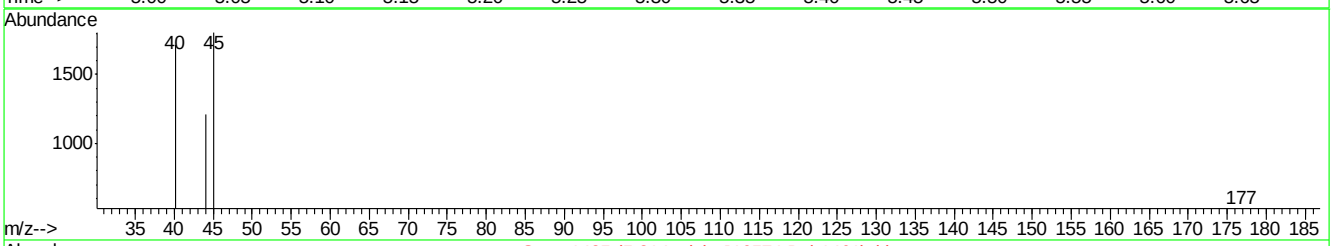
Quantitation Report (Qedit)

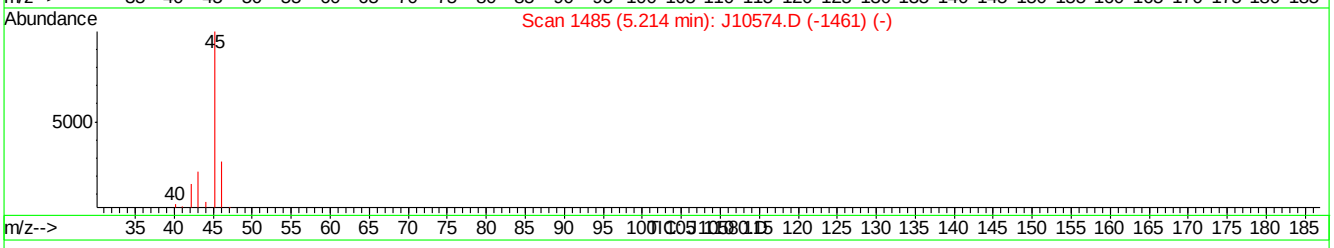
Data File : C:\MSDChem\1\data\J10580.D Vial: 1
Acq On : 7 Jun 2007 9:39 am Operator: danat
Sample : ic548-0.5 (m122) Inst : MSJ
Misc : MS13684, MSJ548,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

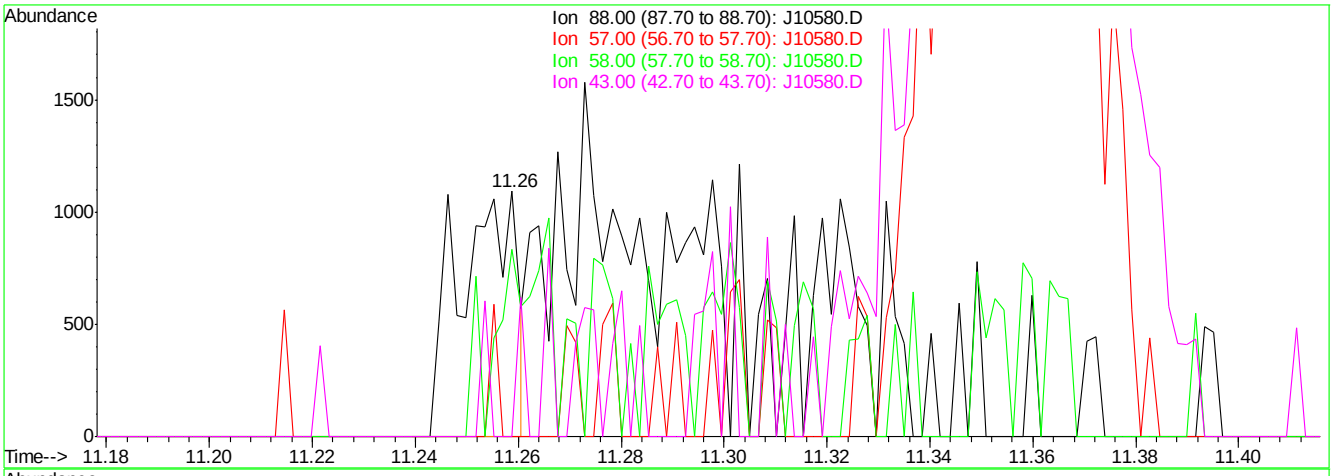
J10580.D J060707T.M Thu Jun 07 10:12:17 2007

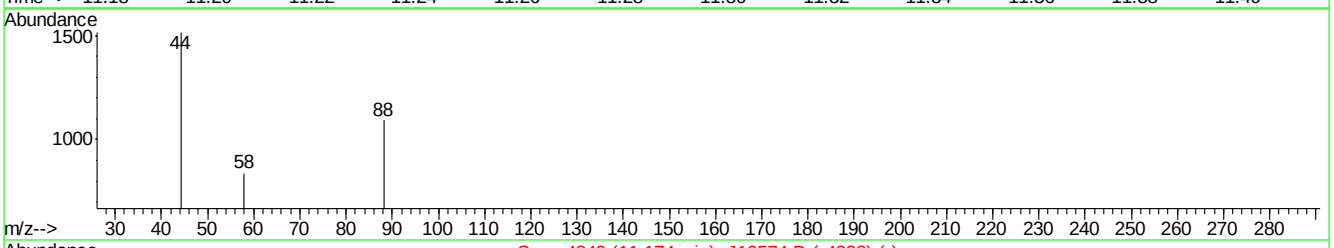
Quantitation Report (Qedit)

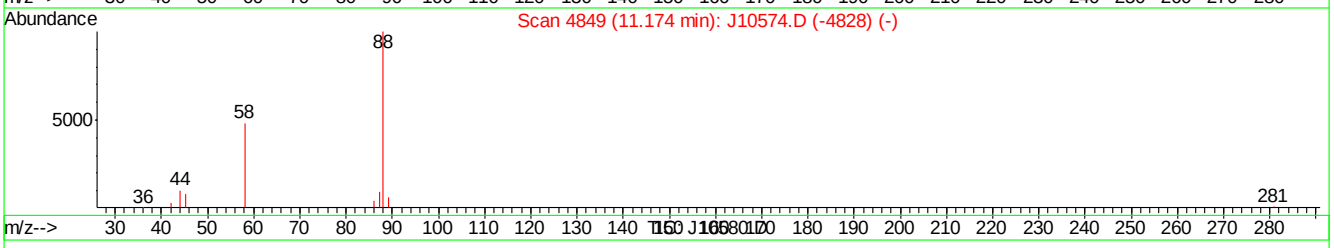
Data File : C:\MSDChem\1\data\J10580.D Vial: 1
Acq On : 7 Jun 2007 9:39 am Operator: danat
Sample : ic548-0.5 (m122) Inst : MSJ
Misc : MS13684, MSJ548,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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#

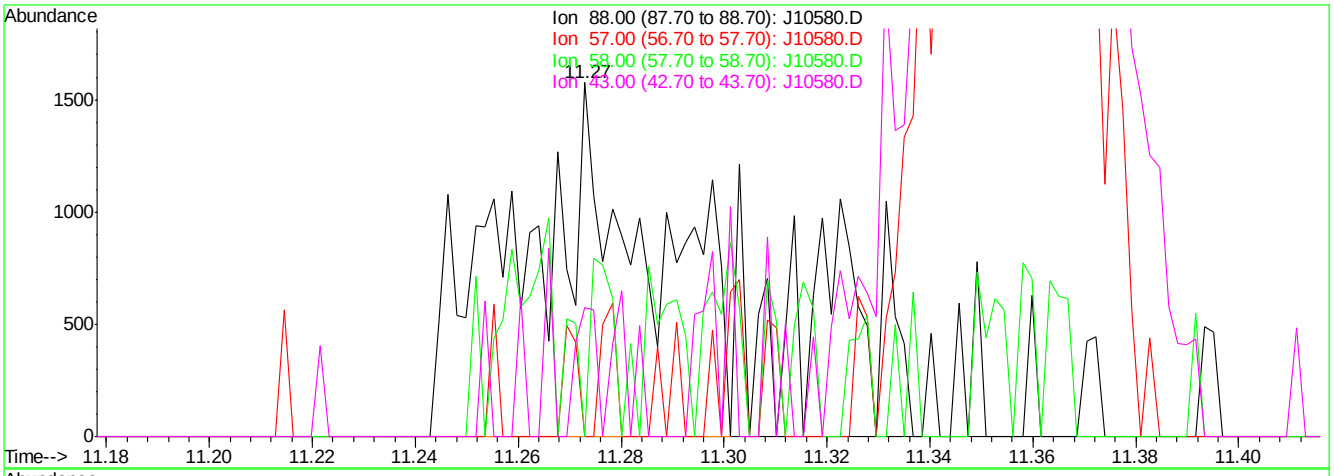
J10580.D J060707T.M Thu Jun 07 10:12:45 2007

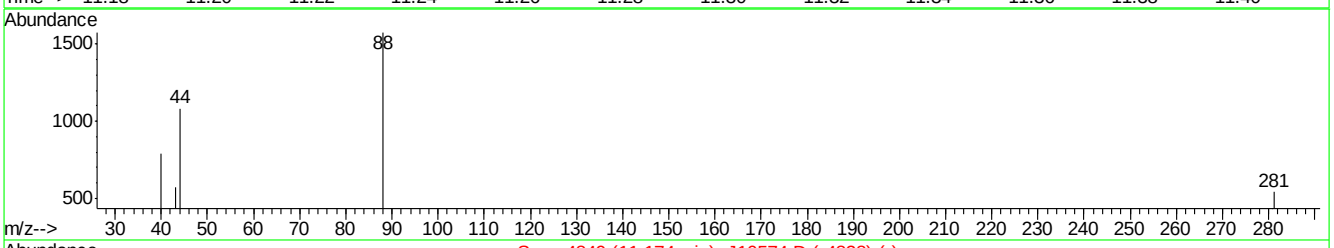
Quantitation Report (Qedit)

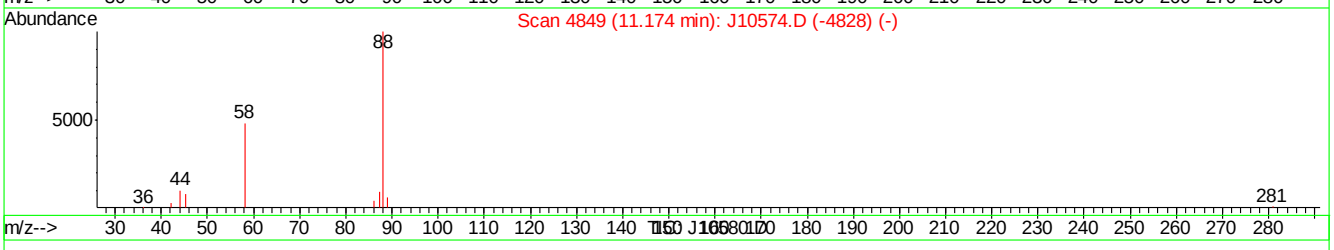
Data File : C:\MSDChem\1\data\J10580.D Vial: 1
Acq On : 7 Jun 2007 9:39 am Operator: danat
Sample : ic548-0.5 (m122) Inst : MSJ
Misc : MS13684, MSJ548,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

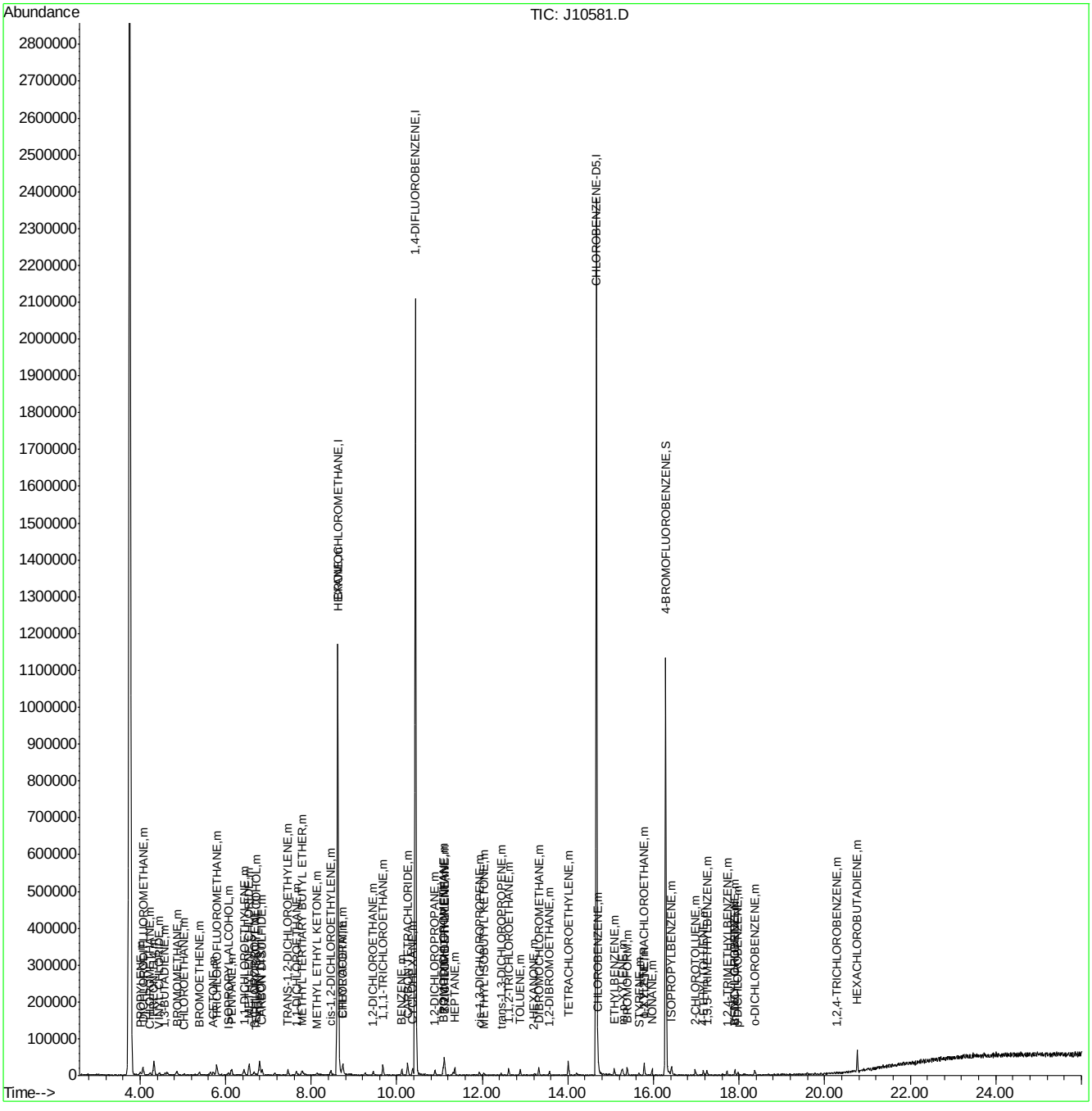
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
48) 1,1,2-TRICHLOROETHANE	12.62	83	4933	0.21	PPBV		94
50) 2-HEXANONE	13.21	43	2044	0.11	PPBV	#	61
51) TETRACHLOROETHYLENE	14.01	164	8498	0.20	PPBV		92
52) DIBROMOCHLOROMETHANE	13.32	129	11152	0.20	PPBV		98
53) 1,2-DIBROMOETHANE	13.57	107	6718	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



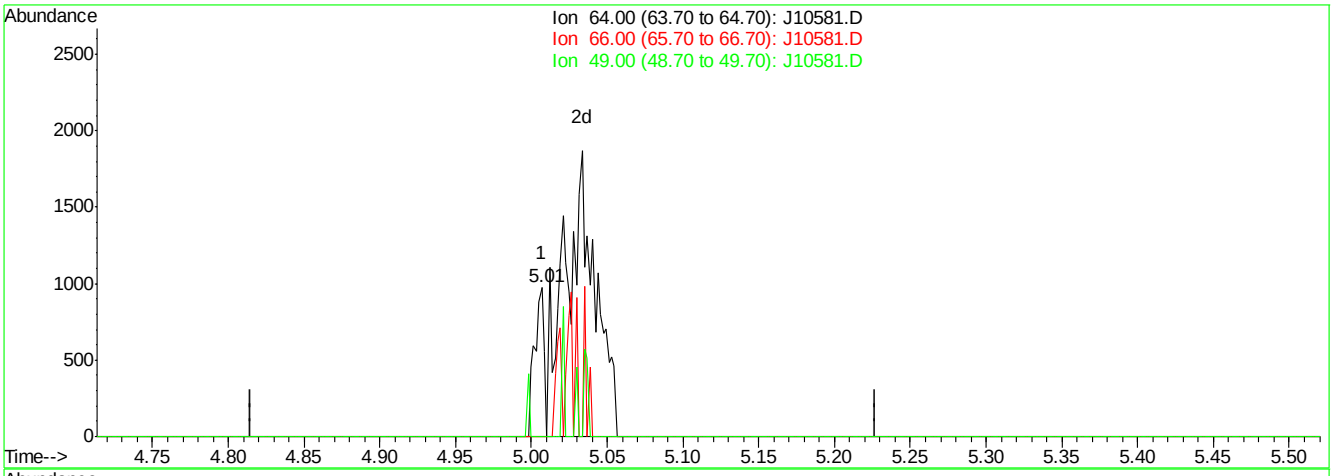
ACCUTEST Laboratories M65248

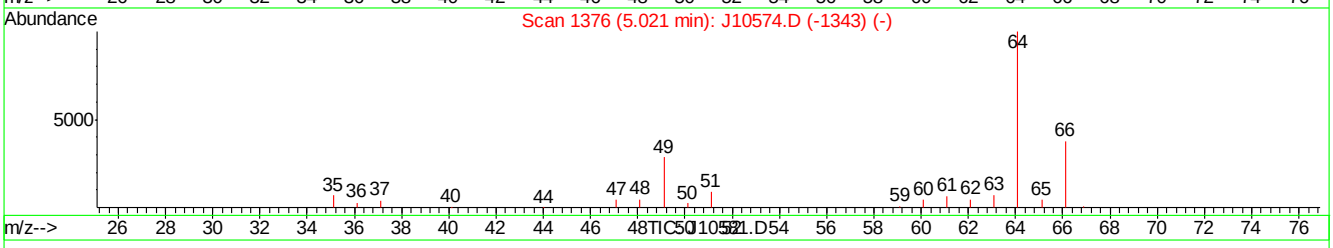
Quantitation Report (Qedit)

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

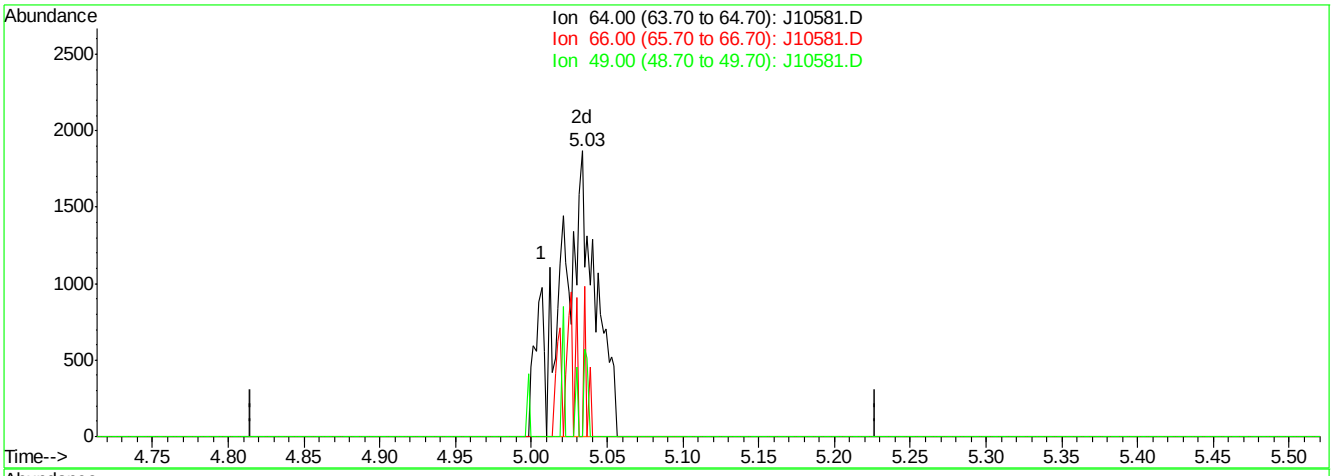
J10581.D J060707T.M Thu Jun 07 11:07:10 2007

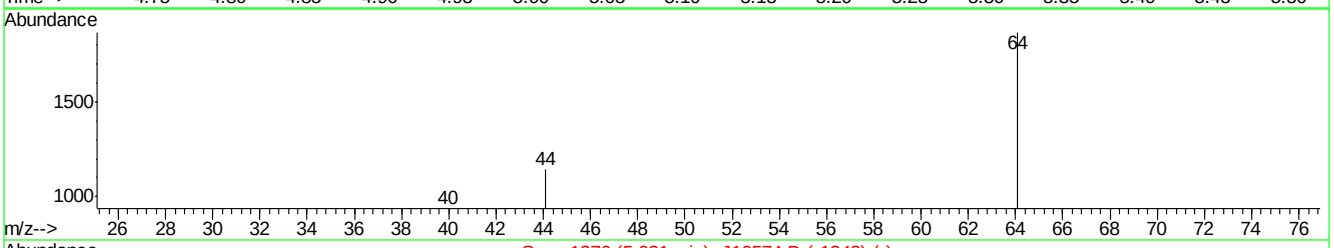
Quantitation Report (Qedit)

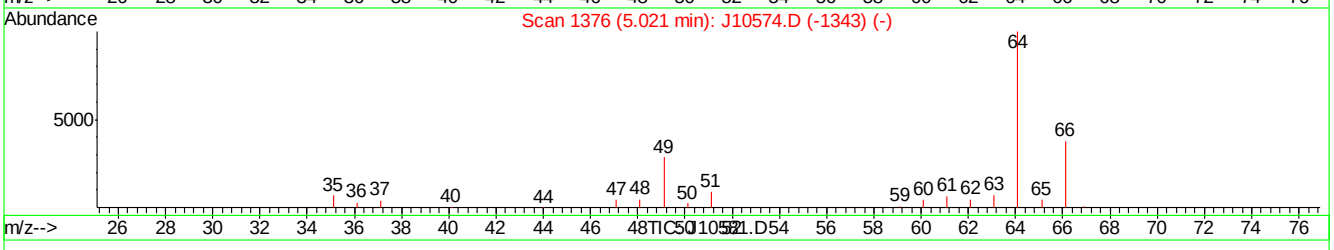
Data File : C:\MSDChem\1\data\J10581.D Vial: 1
Acq On : 7 Jun 2007 10:30 am Operator: danat
Sample : ic548-0.2 (m122) Inst : MSJ
Misc : MS13684, MSJ548,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

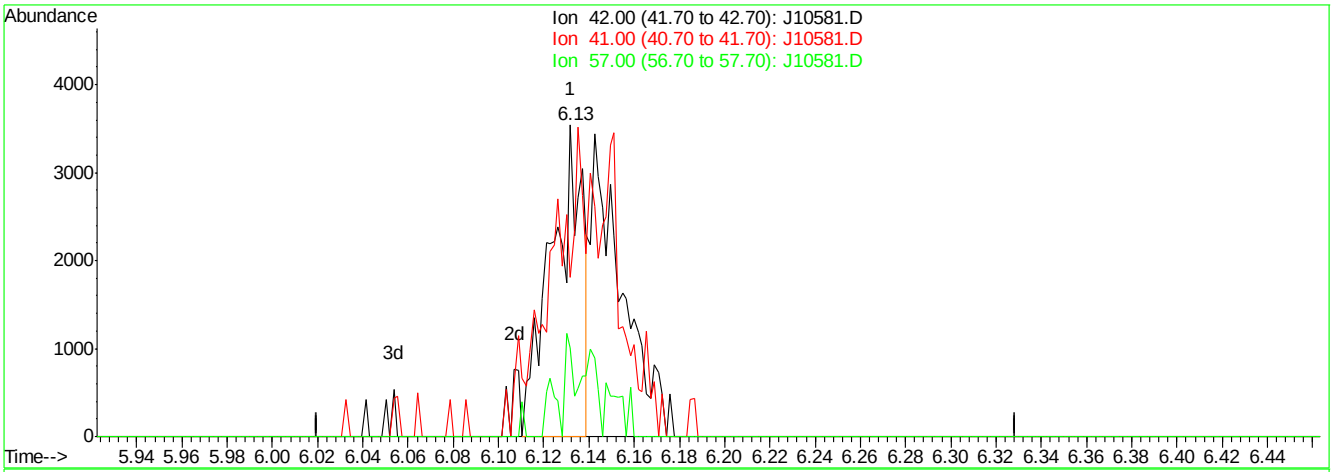
J10581.D J060707T.M Thu Jun 07 11:07:15 2007

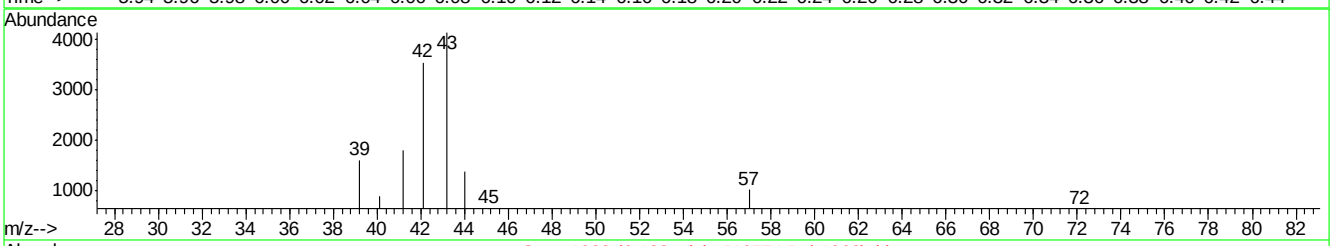
Quantitation Report (Qedit)

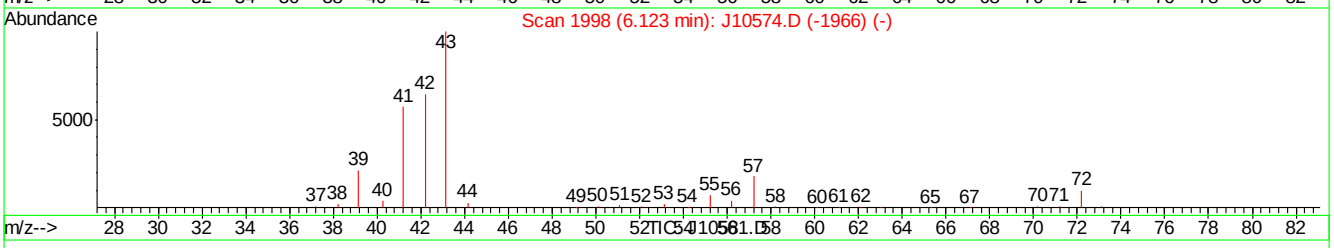
Data File : C:\MSDChem\1\data\J10581.D Vial: 1
Acq On : 7 Jun 2007 10:30 am Operator: danat
Sample : ic548-0.2 (m122) Inst : MSJ
Misc : MS13684, MSJ548,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

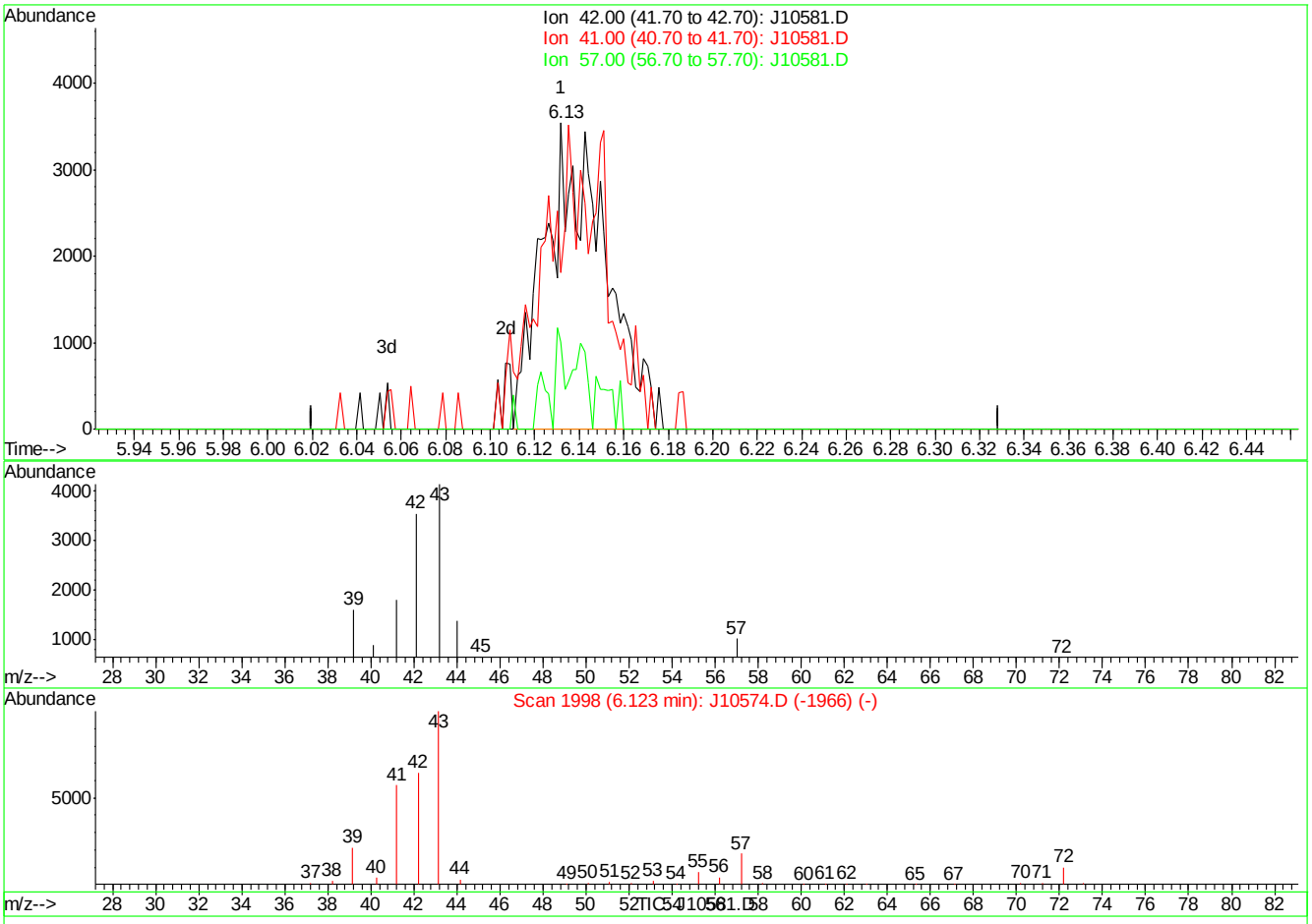
J10581.D J060707T.M Thu Jun 07 11:07:28 2007

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

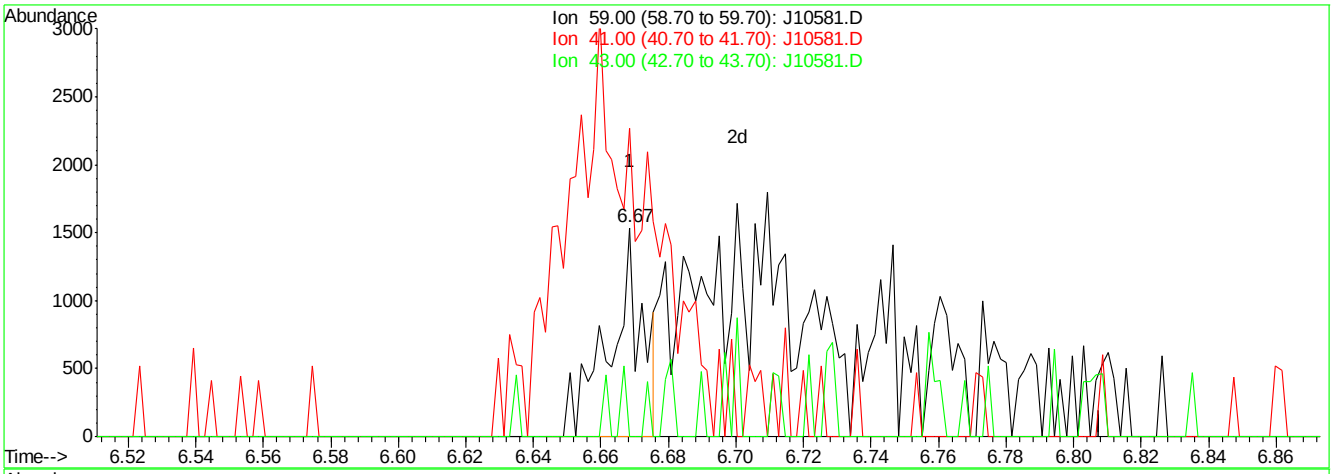
J10581.D J060707T.M Thu Jun 07 11:07:33 2007

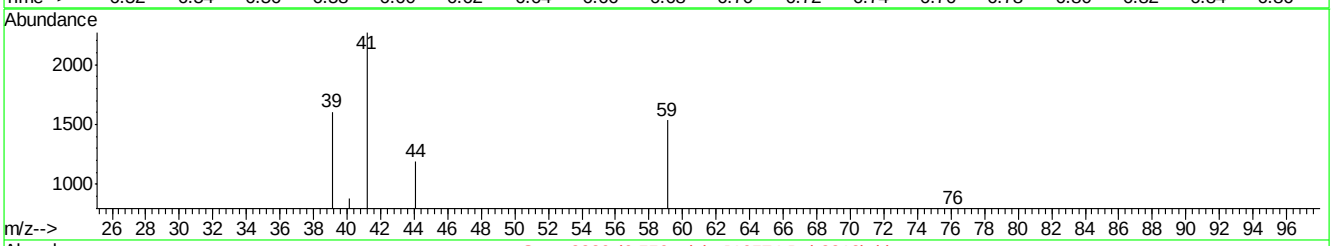
Quantitation Report (Qedit)

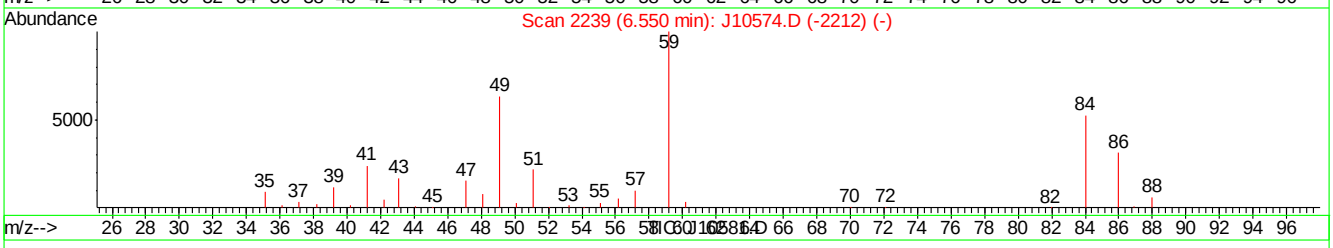
Data File : C:\MSDChem\1\data\J10581.D Vial: 1
Acq On : 7 Jun 2007 10:30 am Operator: danat
Sample : ic548-0.2 (m122) Inst : MSJ
Misc : MS13684, MSJ548,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

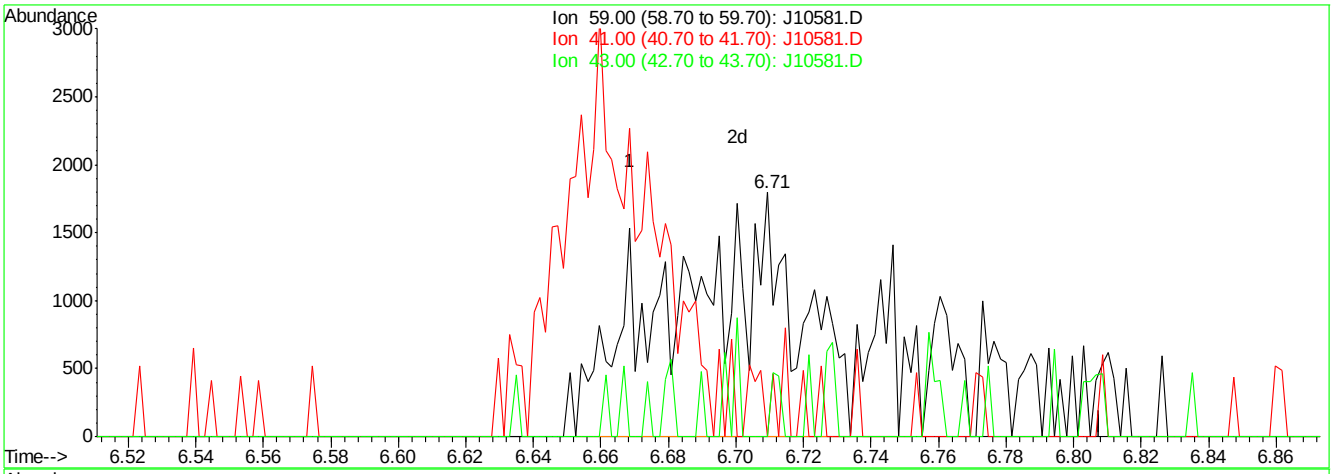
J10581.D J060707T.M Thu Jun 07 11:08:00 2007

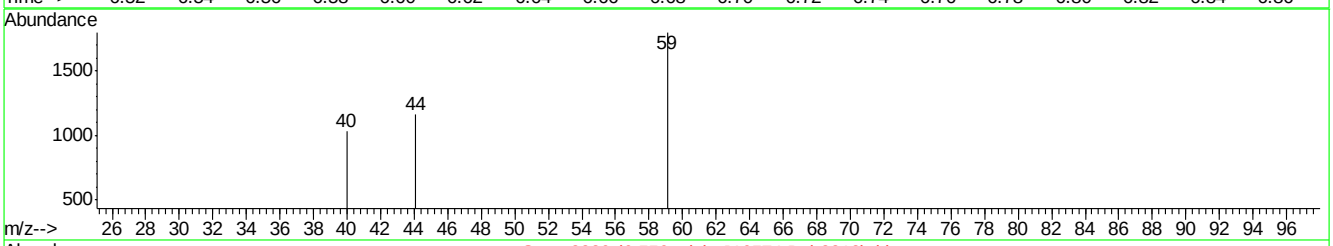
Quantitation Report (Qedit)

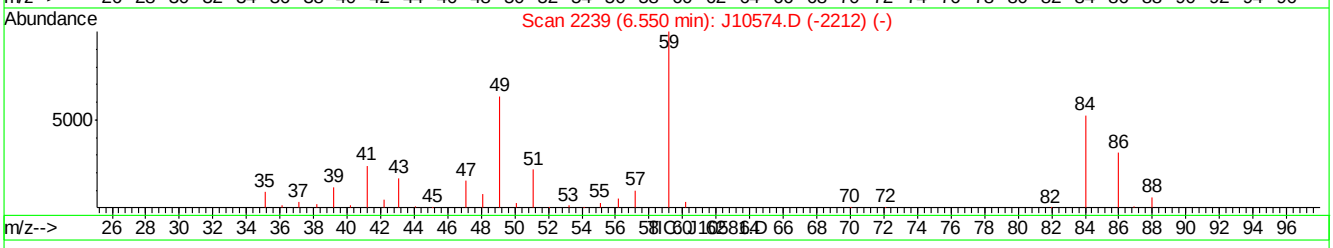
Data File : C:\MSDChem\1\data\J10581.D Vial: 1
Acq On : 7 Jun 2007 10:30 am Operator: danat
Sample : ic548-0.2 (m122) Inst : MSJ
Misc : MS13684, MSJ548,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

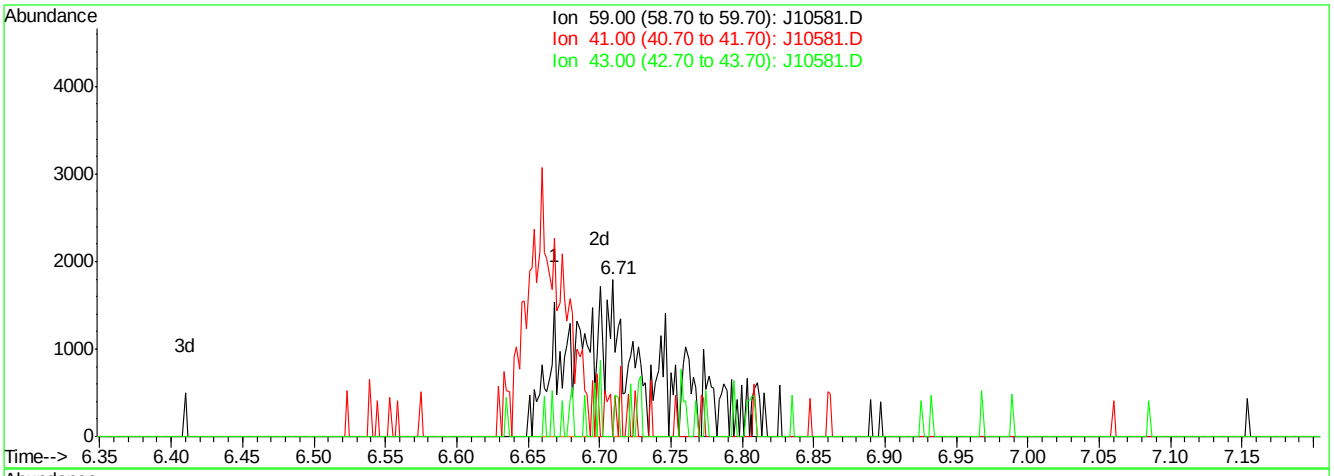
J10581.D J060707T.M Thu Jun 07 11:08:06 2007

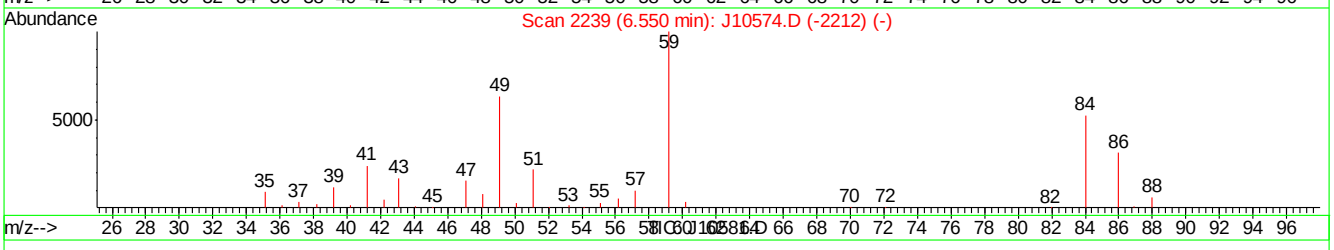
Quantitation Report (Qedit)

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

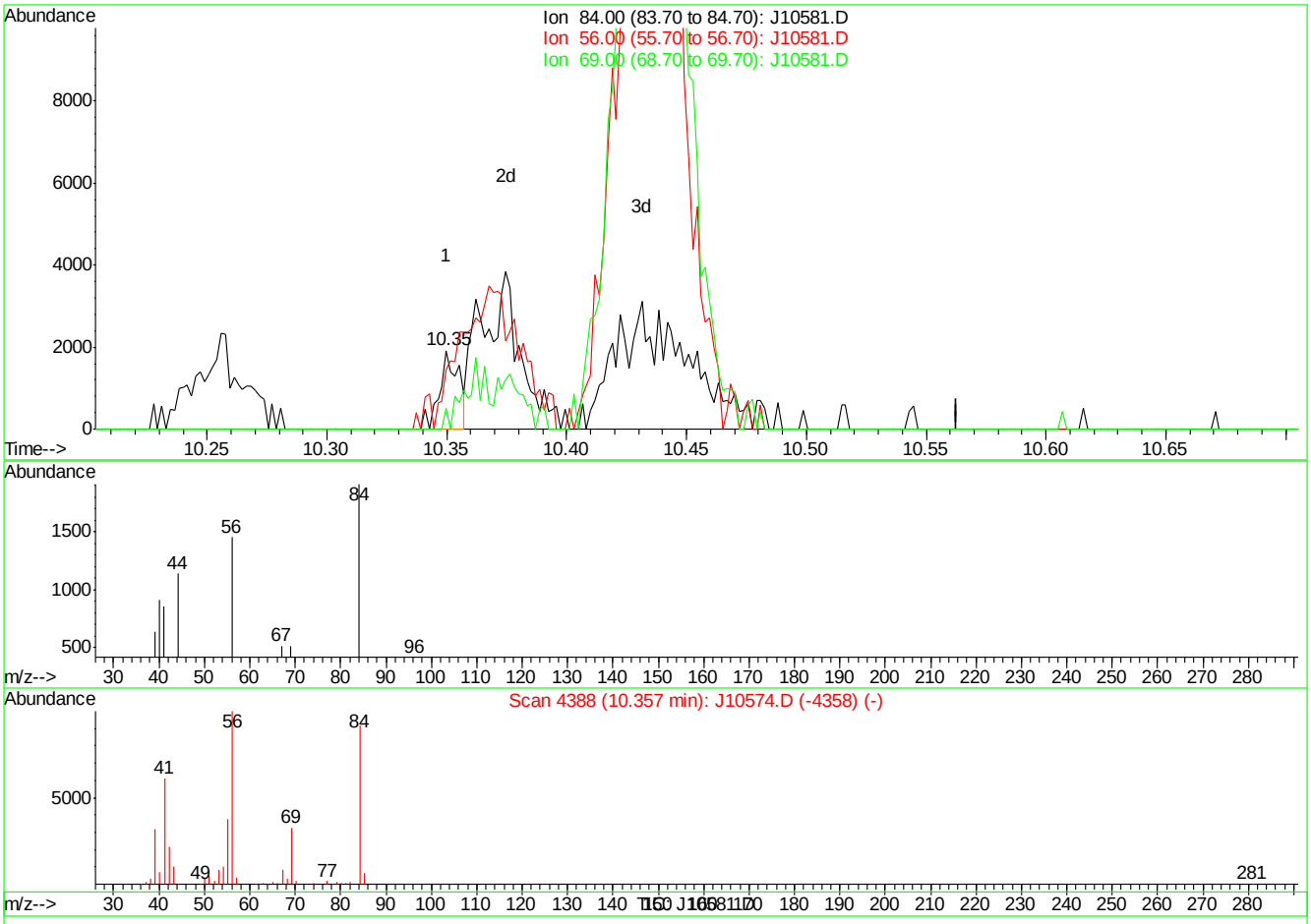
J10581.D J060707T.M Thu Jun 07 11:08:27 2007

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

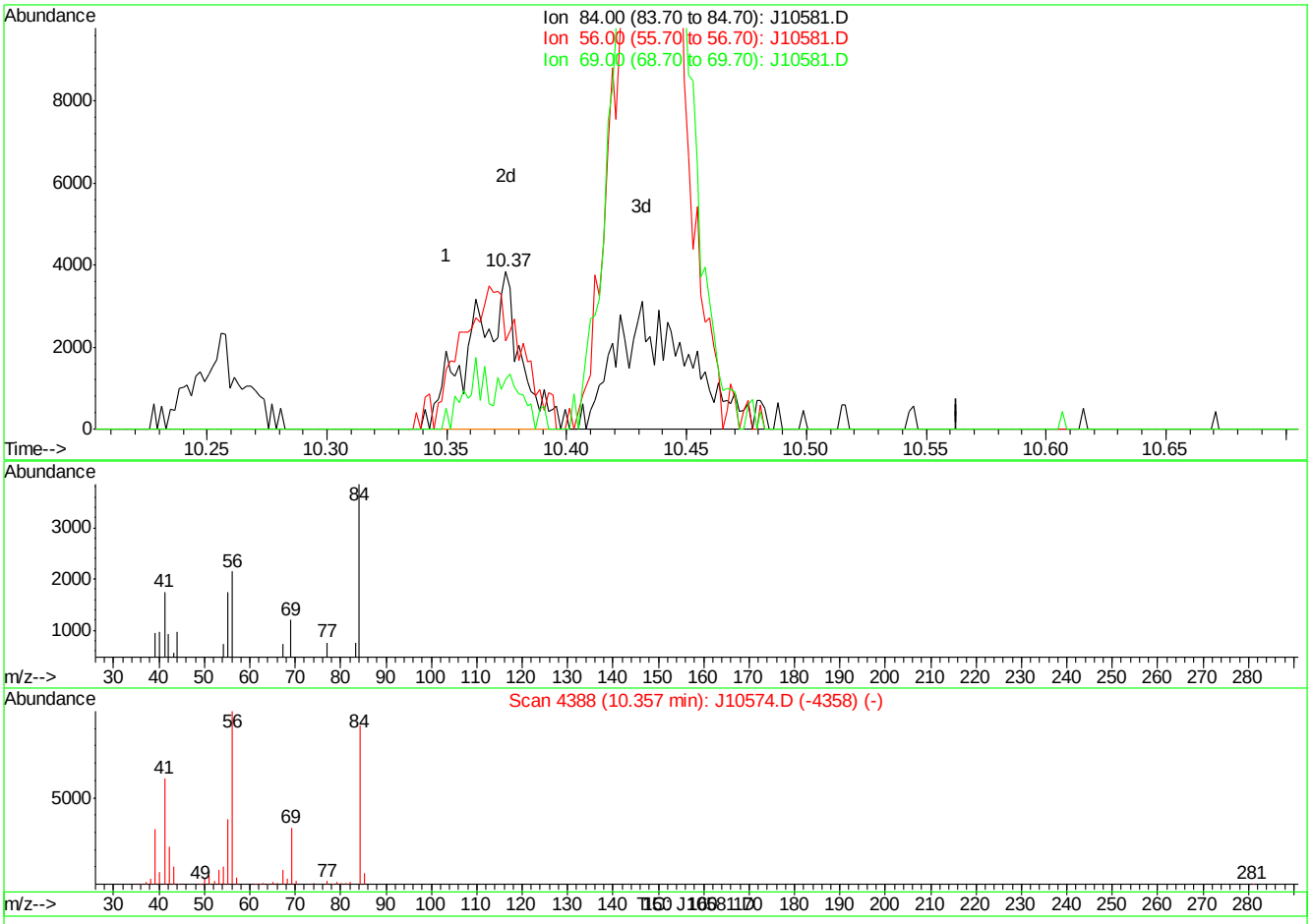
J10581.D J060707T.M Thu Jun 07 11:09:45 2007

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

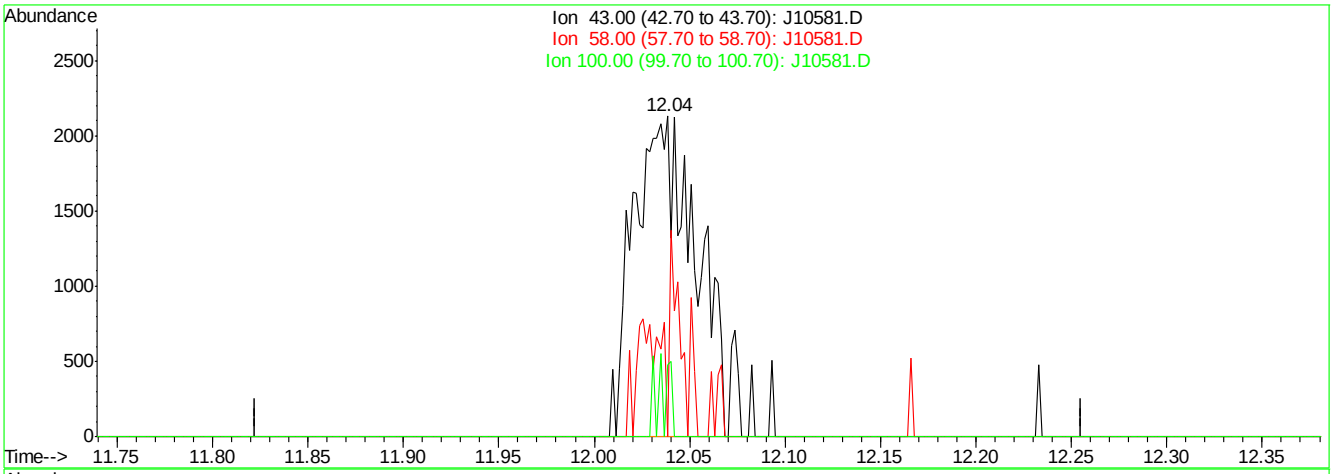
J10581.D J060707T.M Thu Jun 07 11:09:52 2007

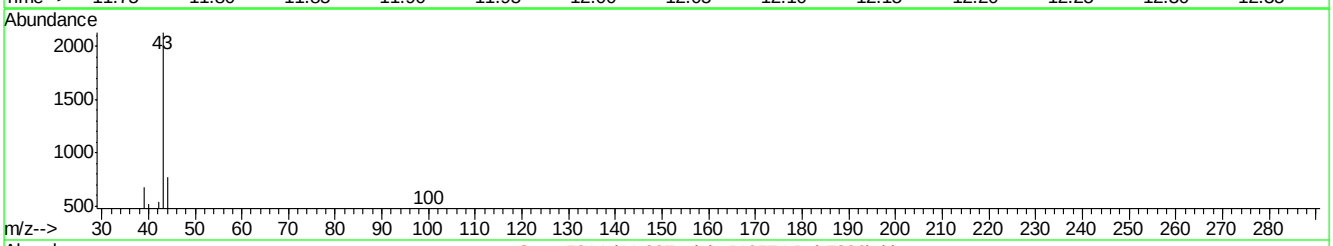
Quantitation Report (Qedit)

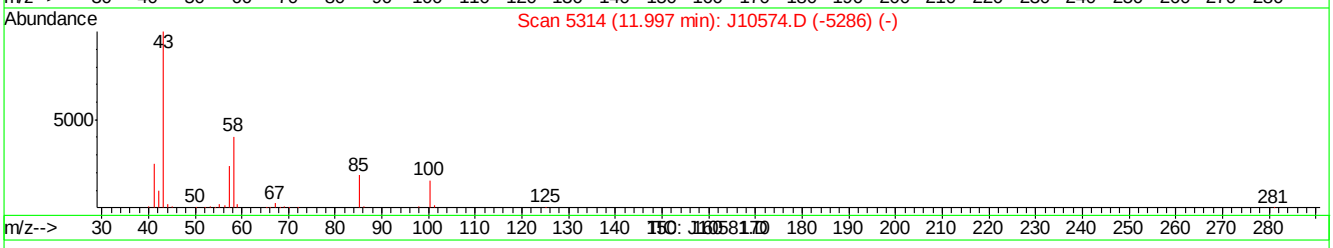
Data File : C:\MSDChem\1\data\J10581.D Vial: 1
Acq On : 7 Jun 2007 10:30 am Operator: danat
Sample : ic548-0.2 (m122) Inst : MSJ
Misc : MS13684, MSJ548,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

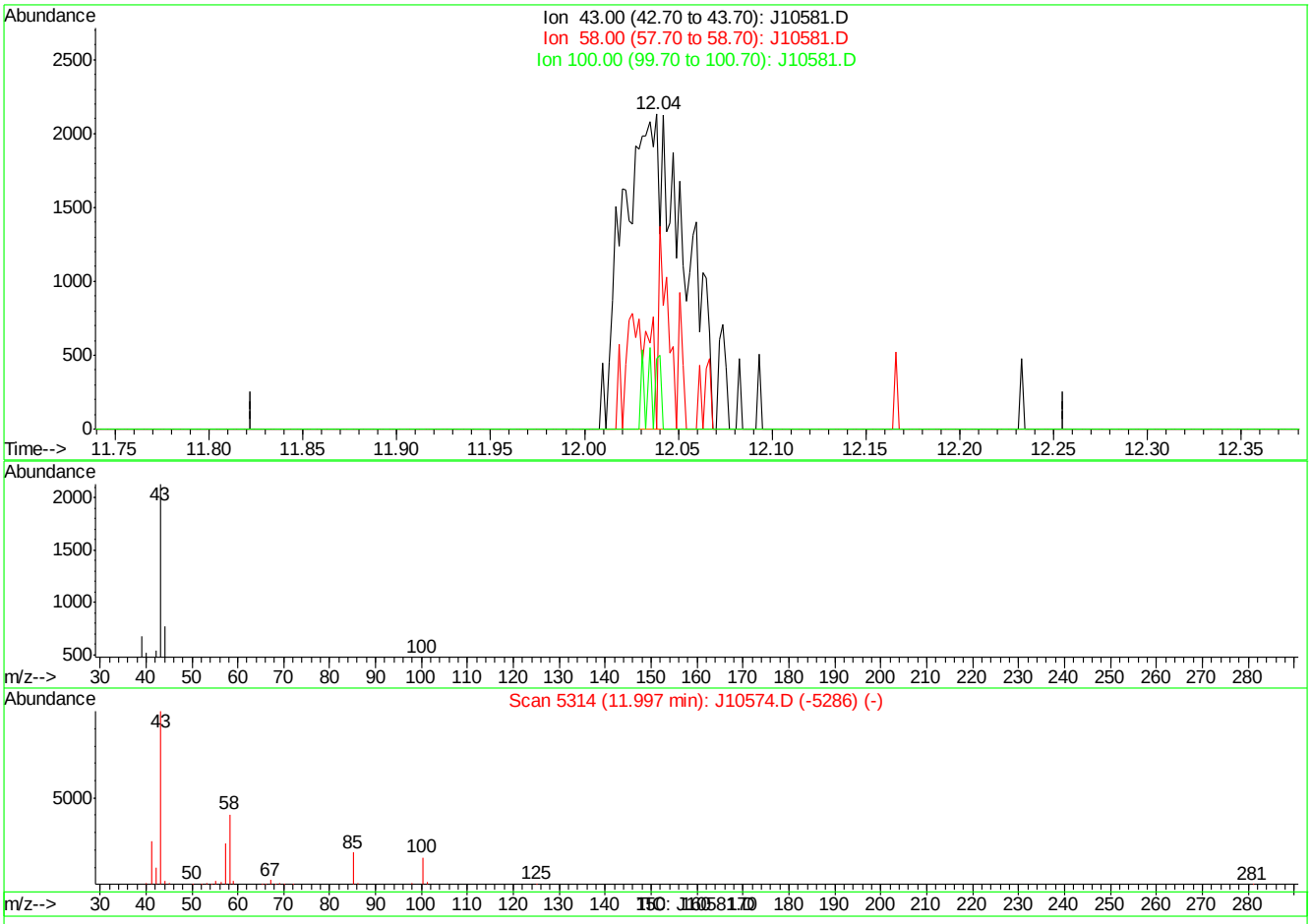
J10581.D J060707T.M Thu Jun 07 11:10:16 2007

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

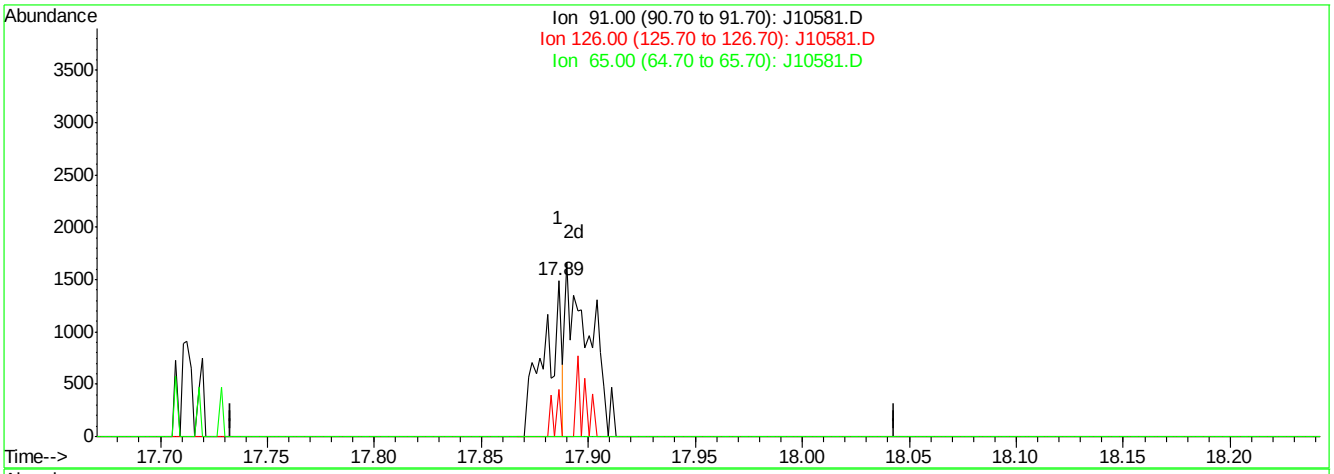
J10581.D J060707T.M Thu Jun 07 11:10:28 2007

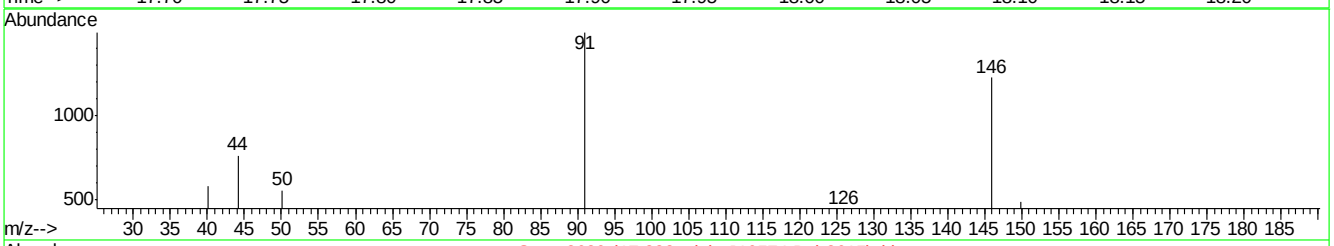
Quantitation Report (Qedit)

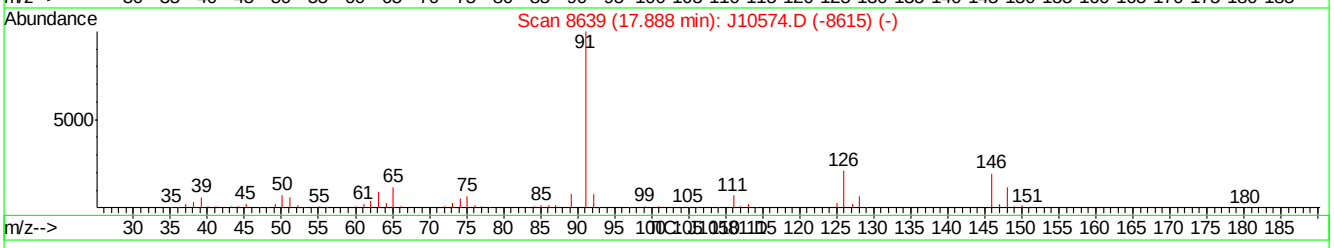
Data File : C:\MSDChem\1\data\J10581.D Vial: 1
Acq On : 7 Jun 2007 10:30 am Operator: danat
Sample : ic548-0.2 (m122) Inst : MSJ
Misc : MS13684, MSJ548,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

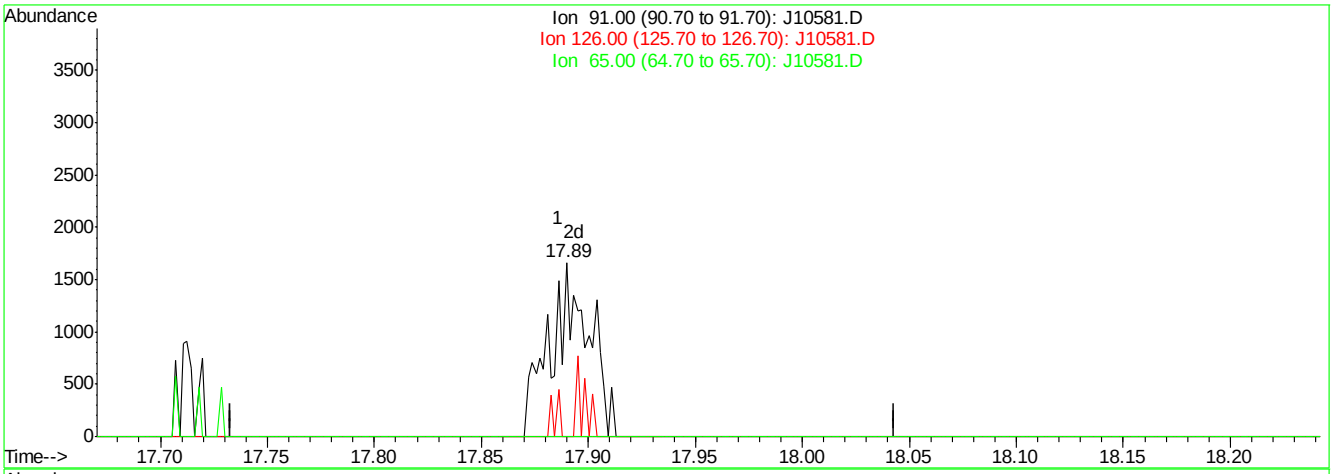
J10581.D J060707T.M Thu Jun 07 11:10:54 2007

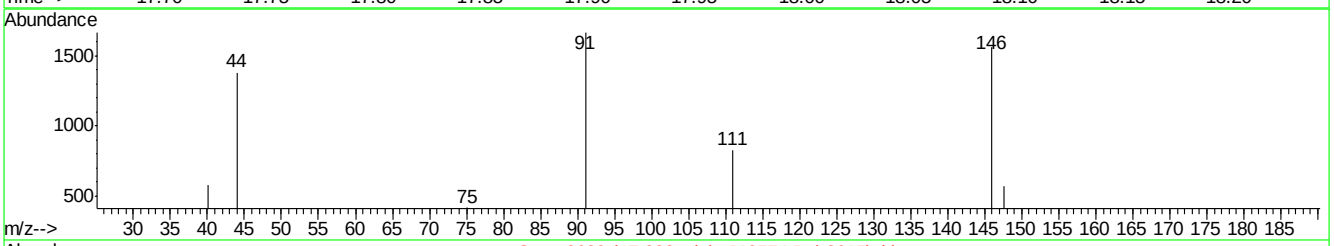
Quantitation Report (Qedit)

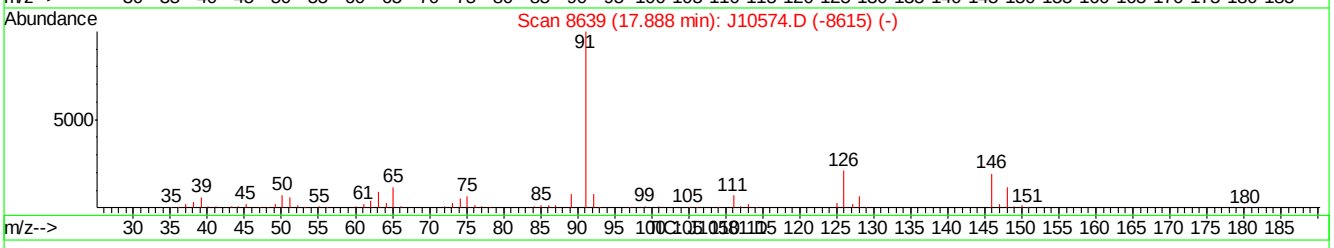
Data File : C:\MSDChem\1\data\J10581.D Vial: 1
Acq On : 7 Jun 2007 10:30 am Operator: danat
Sample : ic548-0.2 (m122) Inst : MSJ
Misc : MS13684, MSJ548,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

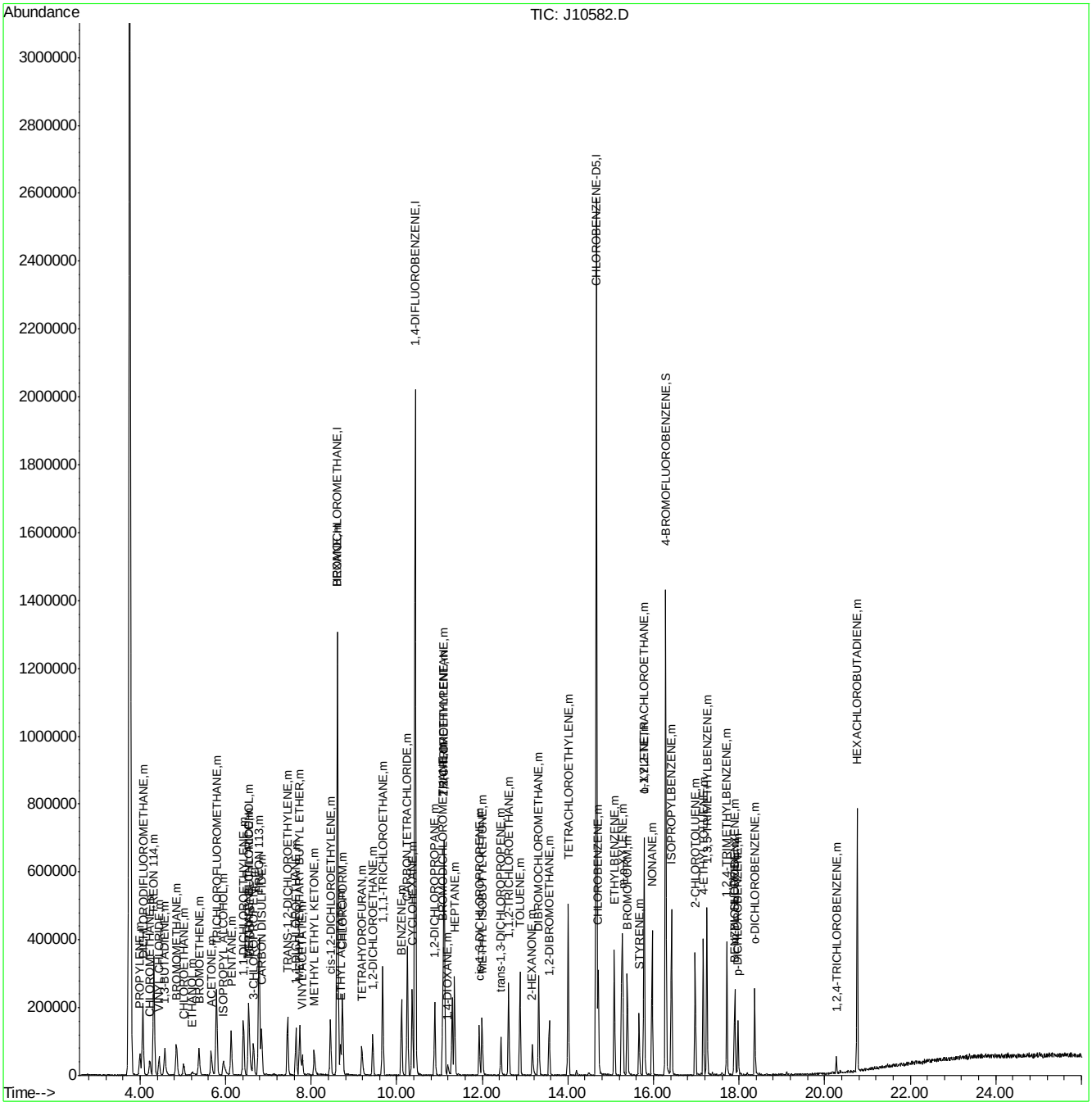
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.99	43	113090	4.02	PPBV	97
45) cis-1,3-DICHLOROPROPENE	11.93	75	75255	3.33	PPBV	99
46) TOLUENE	12.88	92	117321	3.06	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.43	75	57249	3.42	PPBV	98
48) 1,1,2-TRICHLOROETHANE	12.61	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

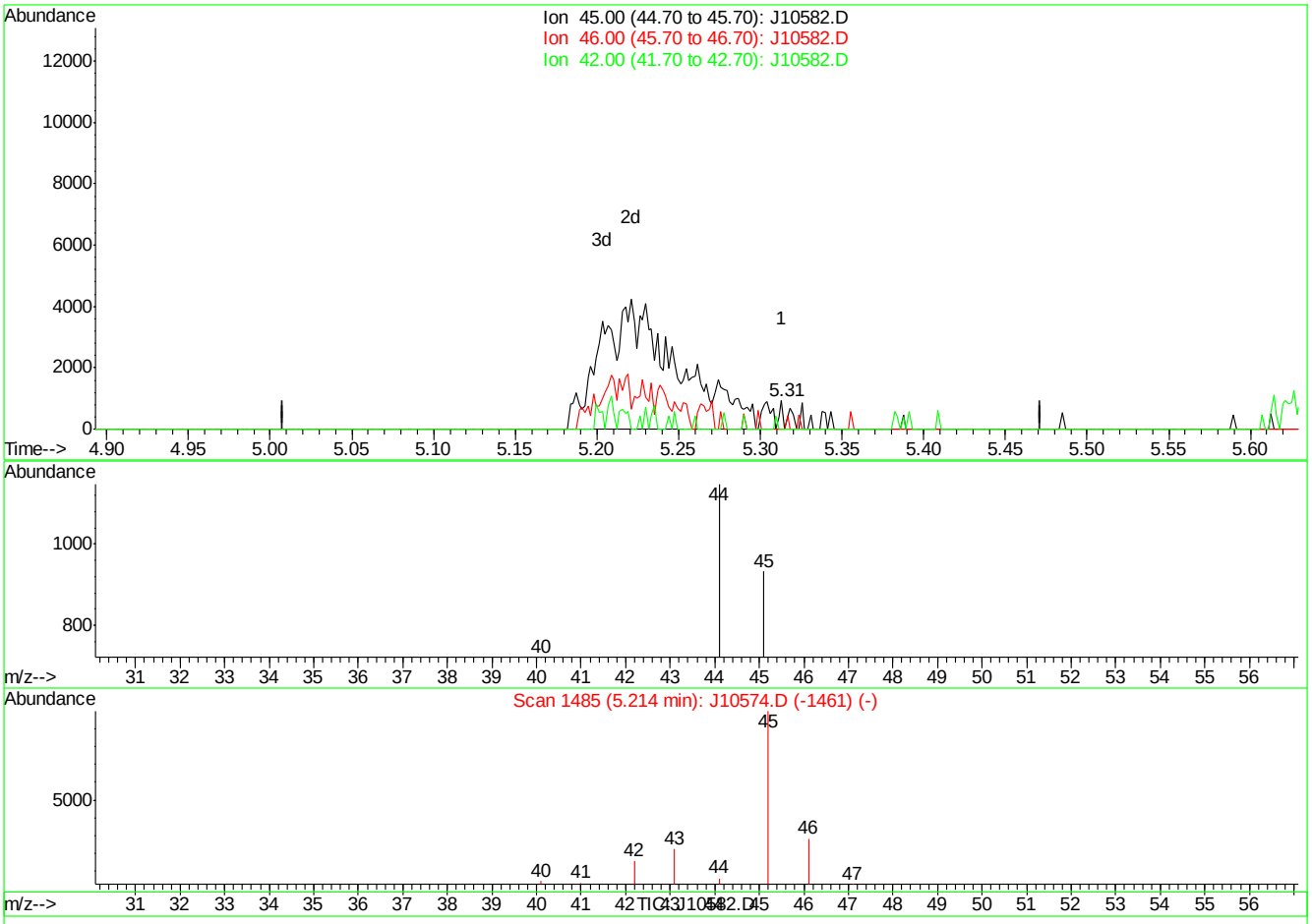


Quantitation Report (Qedit)

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

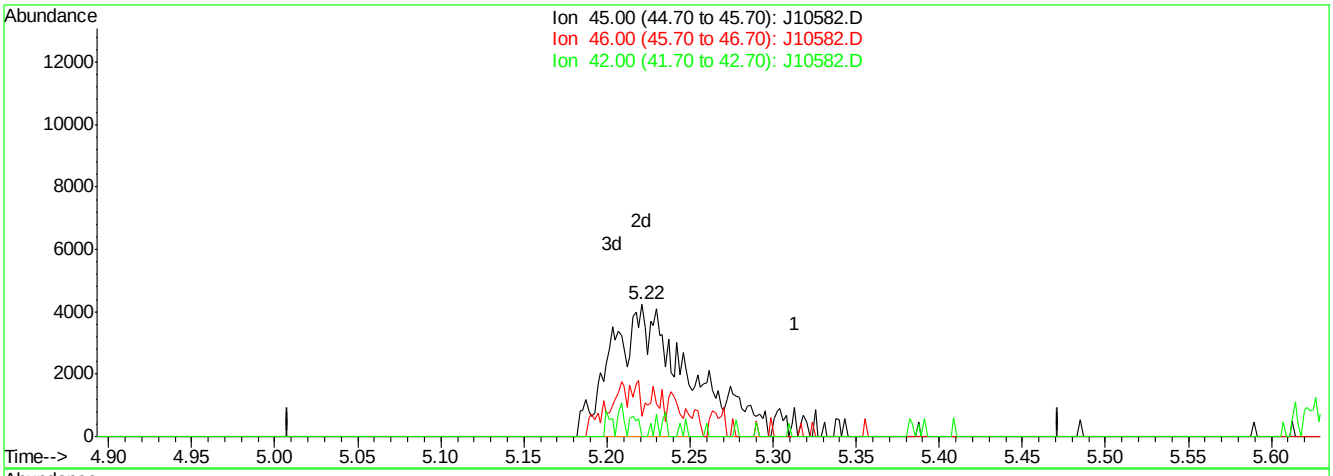
J10582.D J060707T.M Thu Jun 07 11:55:01 2007

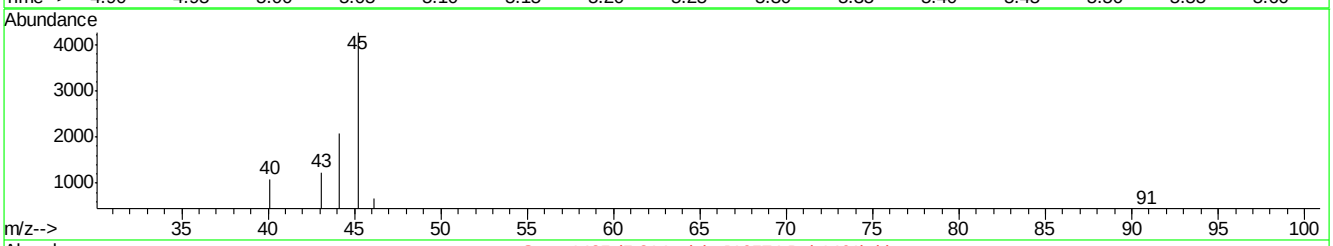
Quantitation Report (Qedit)

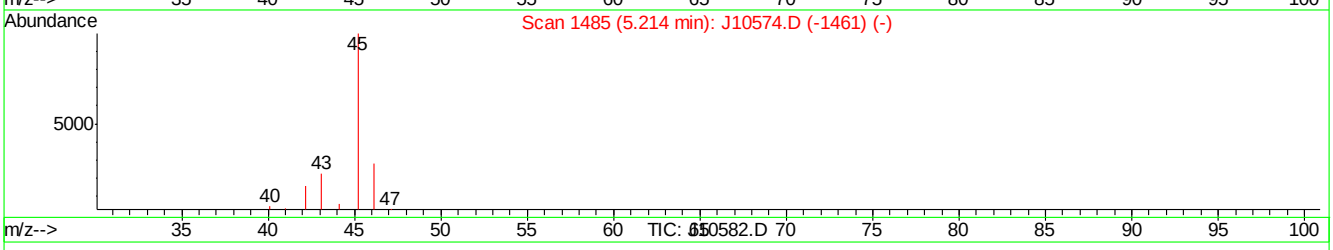
Data File : C:\MSDChem\1\data\J10582.D Vial: 1
Acq On : 7 Jun 2007 11:22 am Operator: danat
Sample : ic548-2 (m122) Inst : MSJ
Misc : MS13684, MSJ548,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

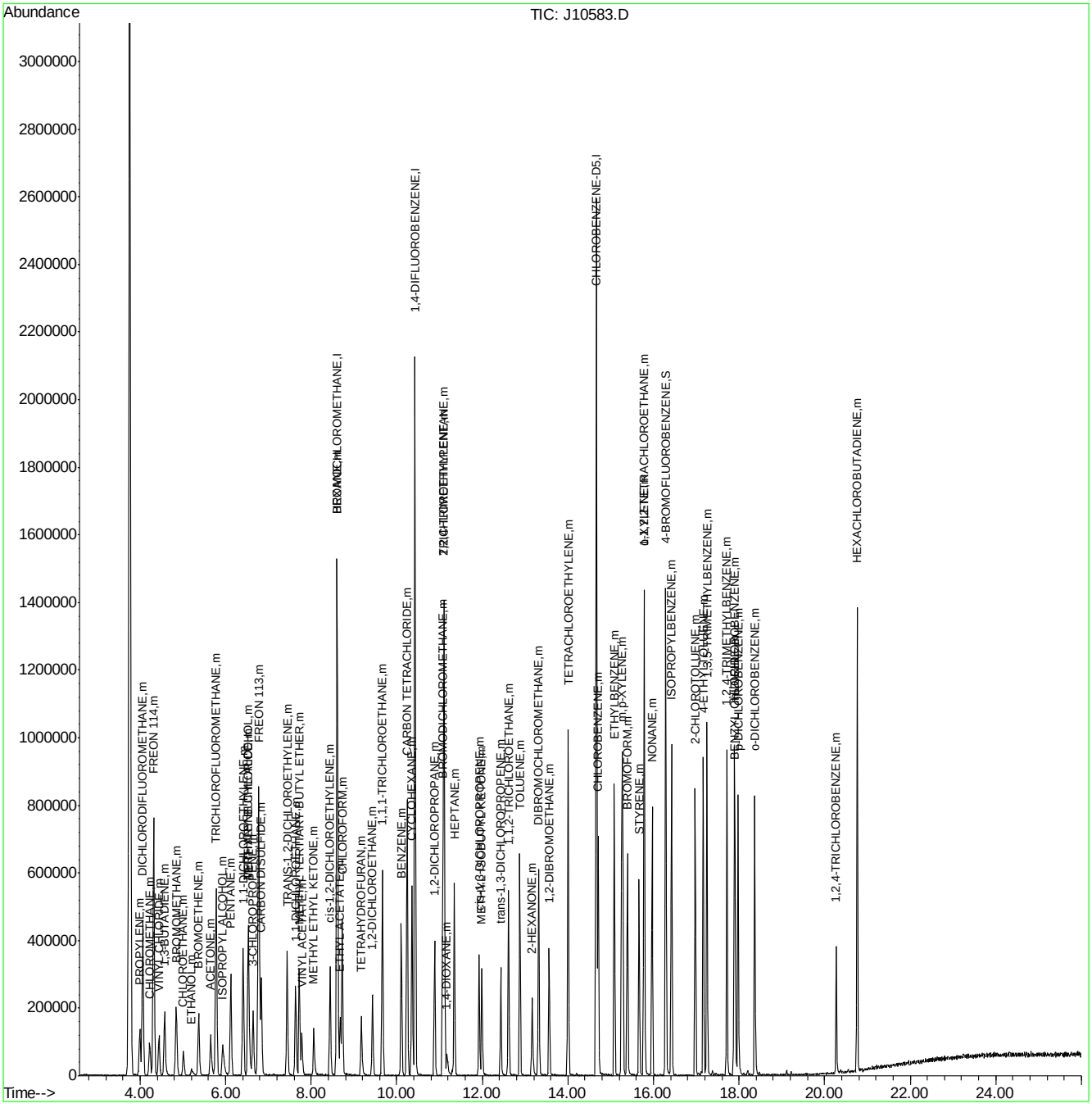
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.98	43	218338	5.49	PPBV	97
45) cis-1,3-DICHLOROPROPENE	11.92	75	175907	6.03	PPBV	98
46) TOLUENE	12.88	92	255104	5.35	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.43	75	157847	7.21	PPBV	98
48) 1,1,2-TRICHLOROETHANE	12.61	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

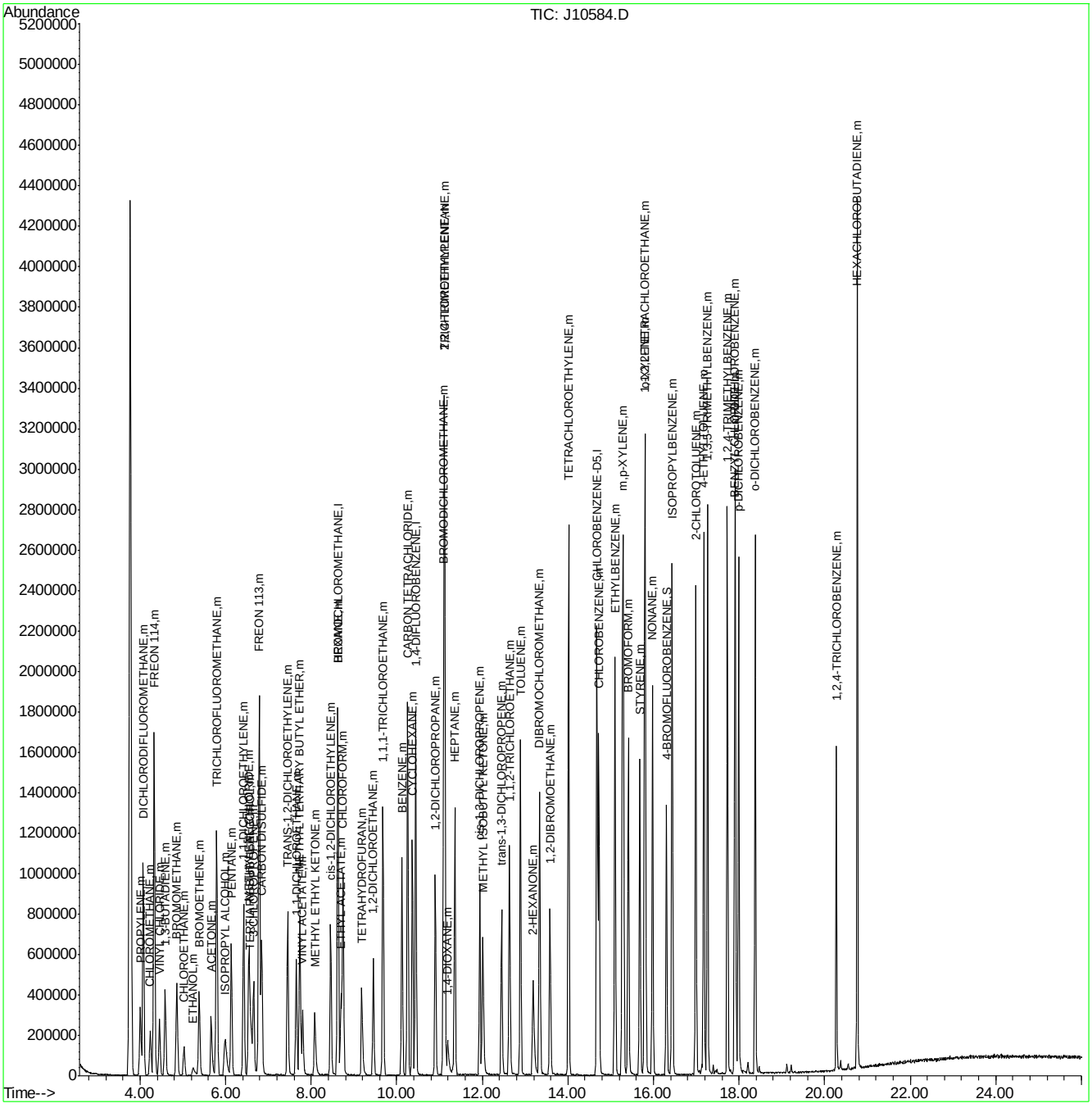
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.01	43	596743	15.96	PPBV	99
45) cis-1,3-DICHLOROPROPENE	11.94	75	535244	19.01	PPBV	99
46) TOLUENE	12.89	92	744598	16.73	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.45	75	510703	22.89	PPBV	99
48) 1,1,2-TRICHLOROETHANE	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

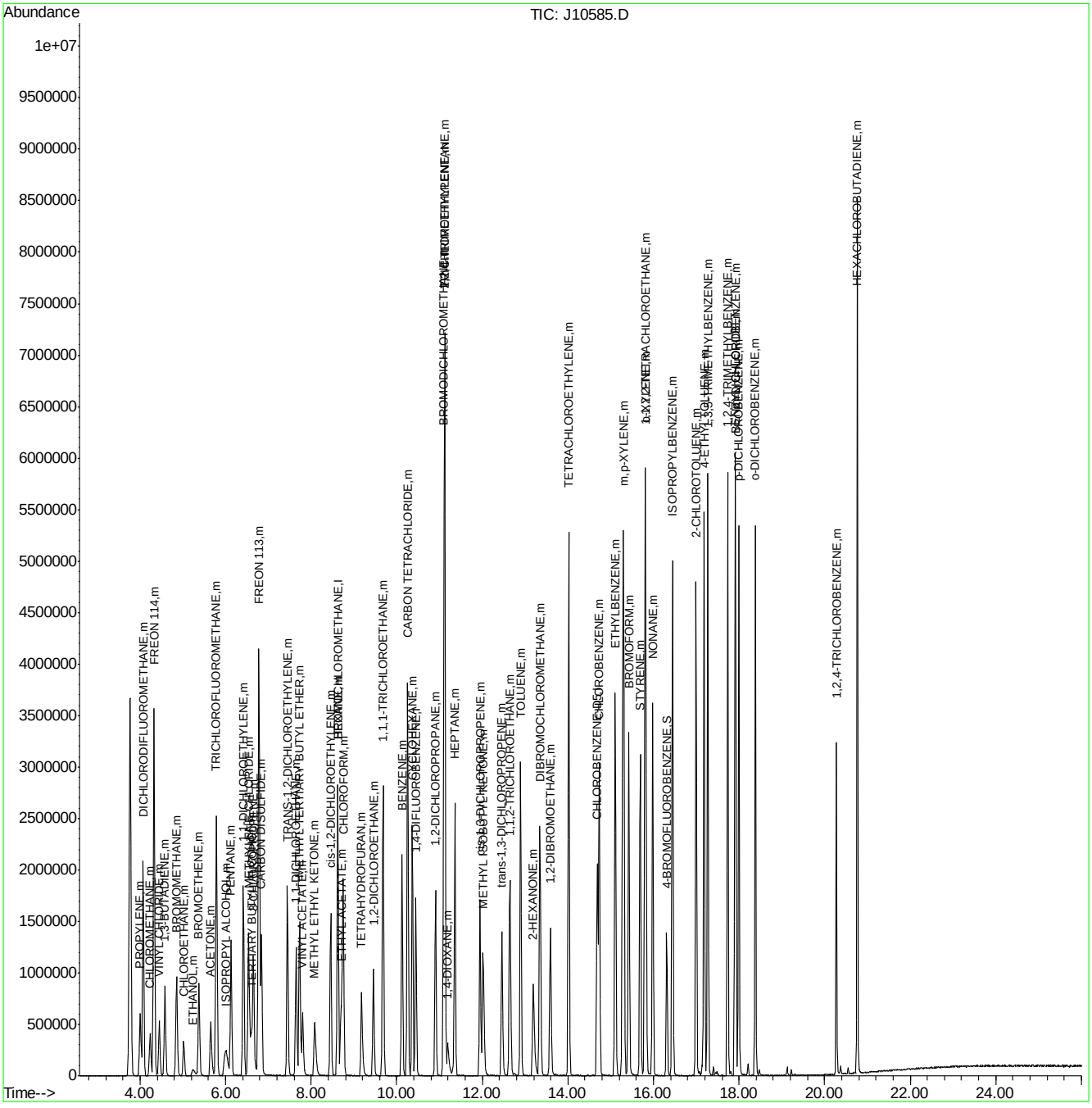
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.02	43	1266551	28.97	PPBV	99
45) cis-1,3-DICHLOROPROPENE	11.94	75	1109246	31.95	PPBV	99
46) TOLUENE	12.90	92	1527632	28.95	PPBV	100
47) trans-1,3-DICHLOROPROPENE	12.46	75	1085322	37.01	PPBV	98
48) 1,1,2-TRICHLOROETHANE	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



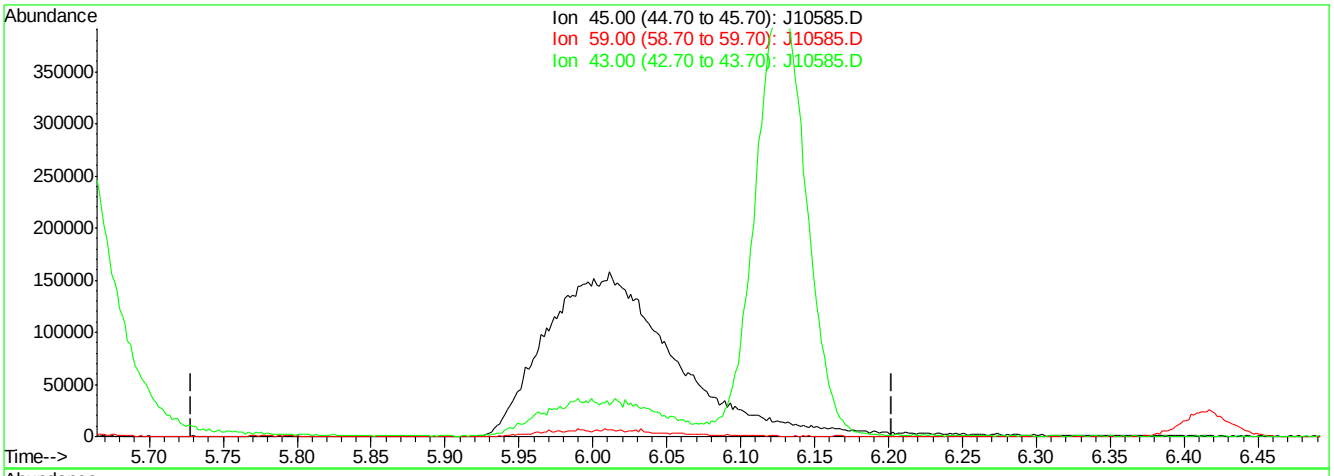
ACCUTEST Laboratories M65248

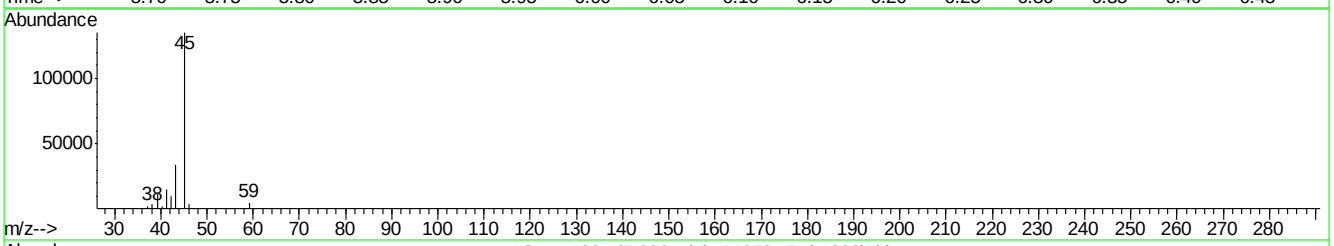
Quantitation Report (Qedit)

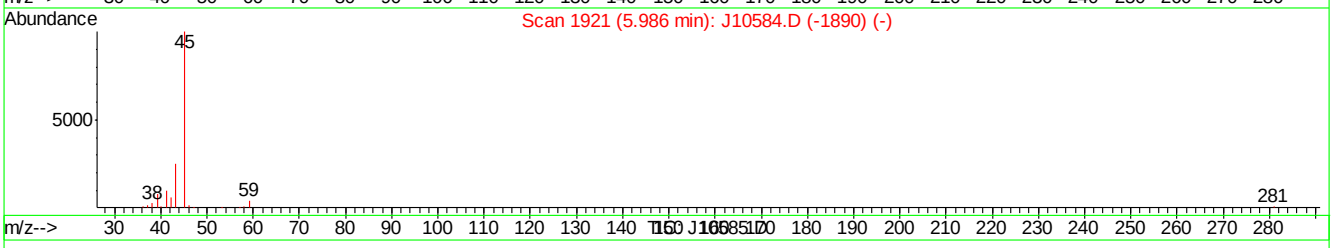
Data File : C:\MSDChem\1\data\J10585.D Vial: 2
Acq On : 7 Jun 2007 2:55 pm Operator: danat
Sample : ic548-20 (m109) Inst : MSJ
Misc : MS13684, MSJ548,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

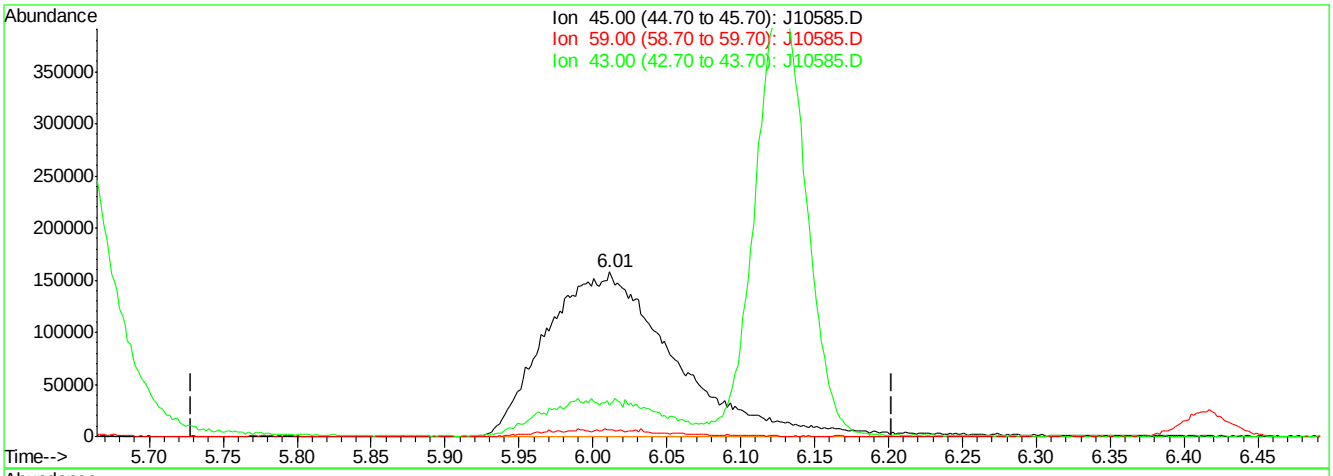
J10585.D J060707T.M Thu Jun 07 15:57:54 2007

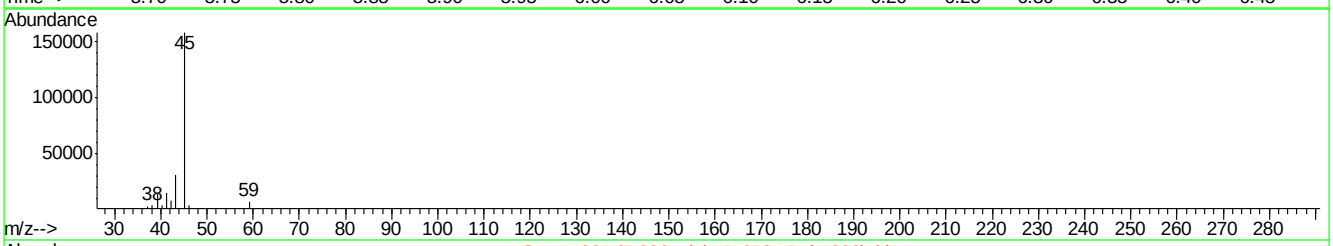
Quantitation Report (Qedit)

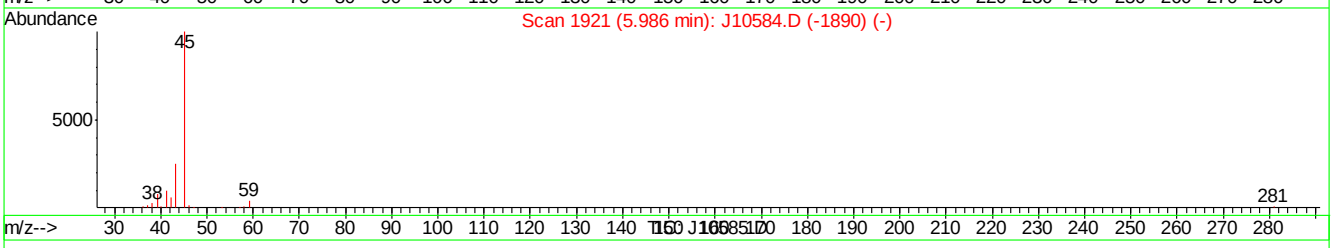
Data File : C:\MSDChem\1\data\J10585.D Vial: 2
Acq On : 7 Jun 2007 2:55 pm Operator: danat
Sample : ic548-20 (m109) Inst : MSJ
Misc : MS13684, MSJ548,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

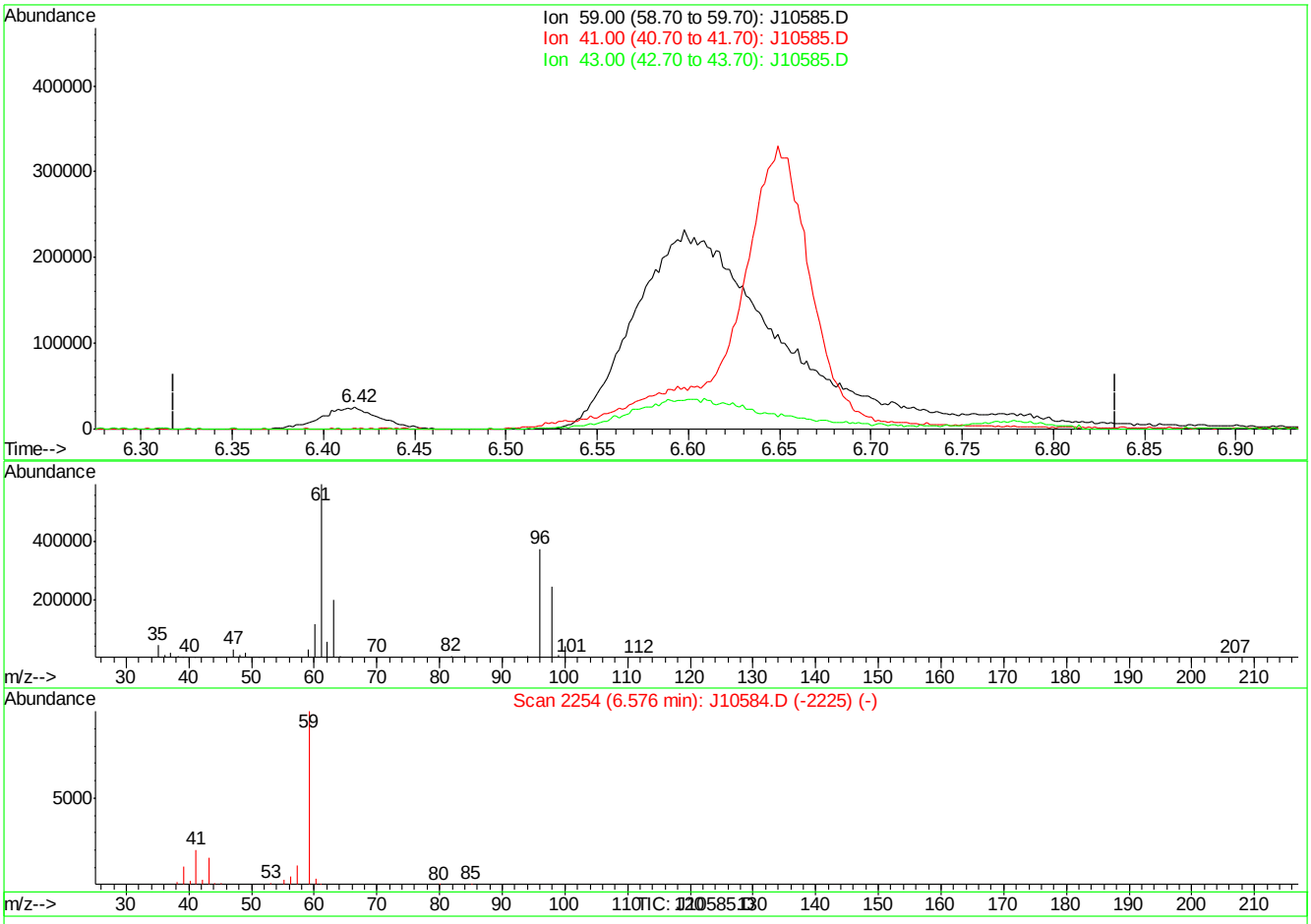
J10585.D J060707T.M Thu Jun 07 15:58:00 2007

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

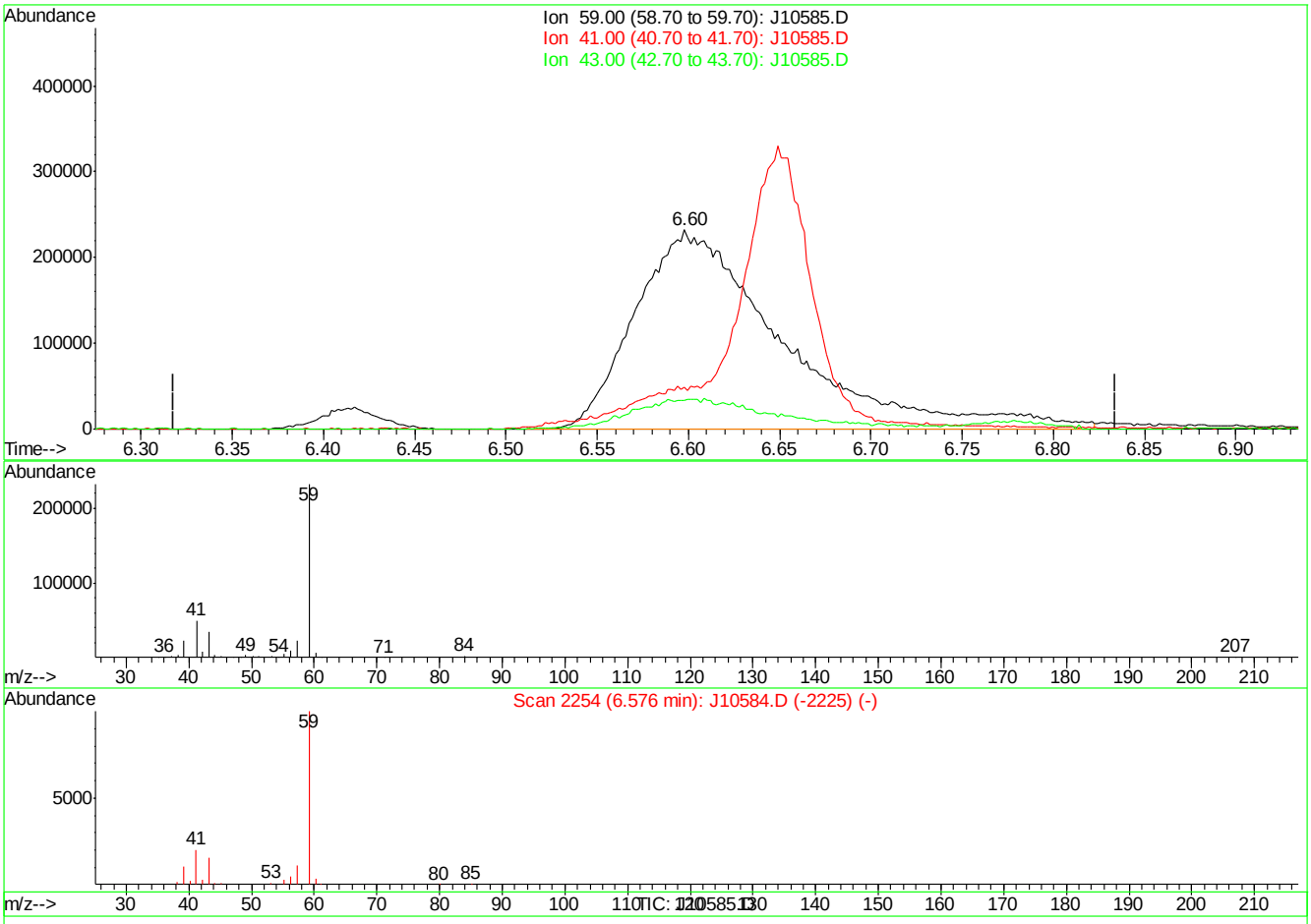
J10585.D J060707T.M Thu Jun 07 15:58:12 2007

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

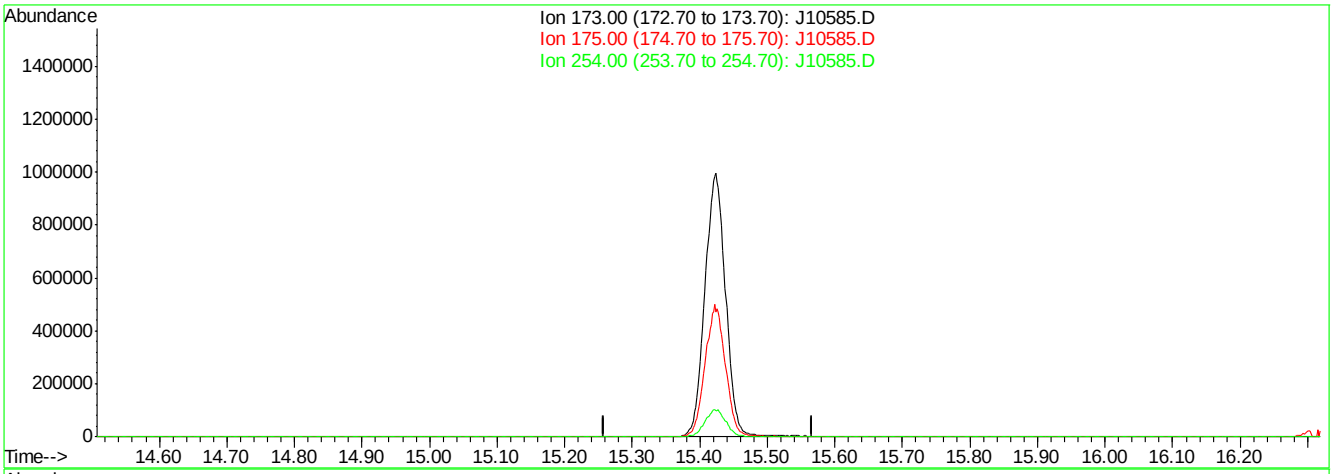
J10585.D J060707T.M Thu Jun 07 15:58:20 2007

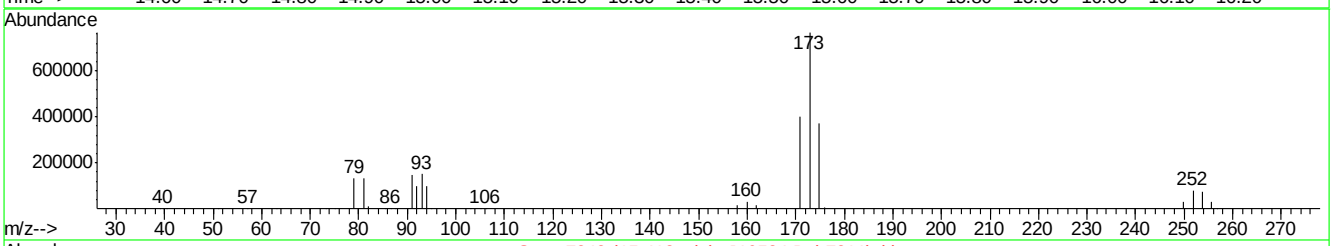
Quantitation Report (Qedit)

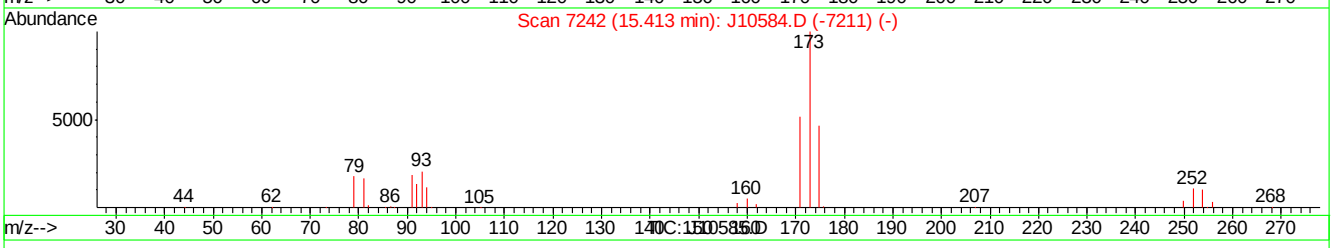
Data File : C:\MSDChem\1\data\J10585.D Vial: 2
Acq On : 7 Jun 2007 2:55 pm Operator: danat
Sample : ic548-20 (m109) Inst : MSJ
Misc : MS13684, MSJ548,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

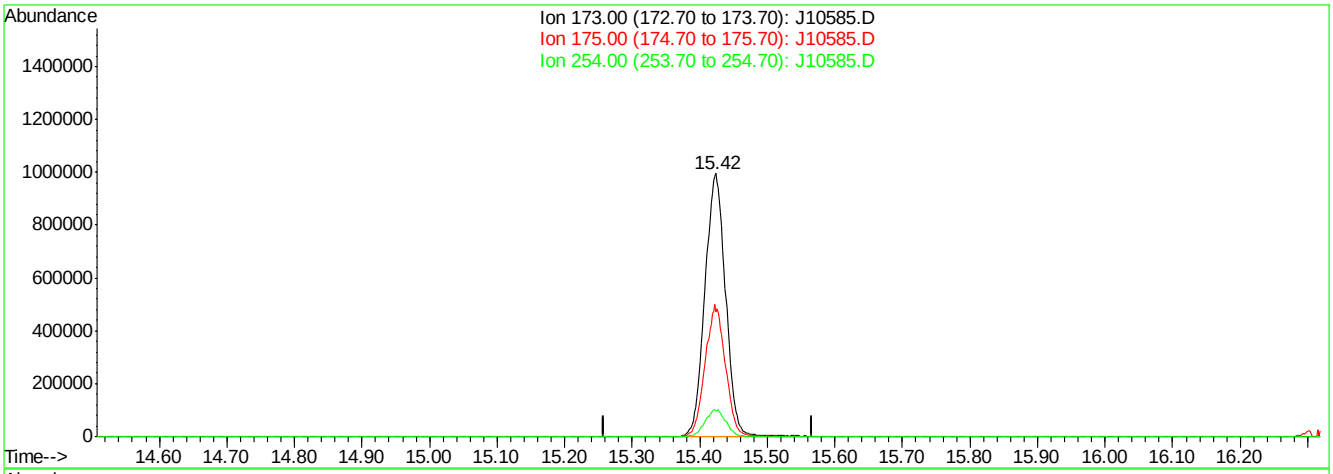
J10585.D J060707T.M Thu Jun 07 15:58:53 2007

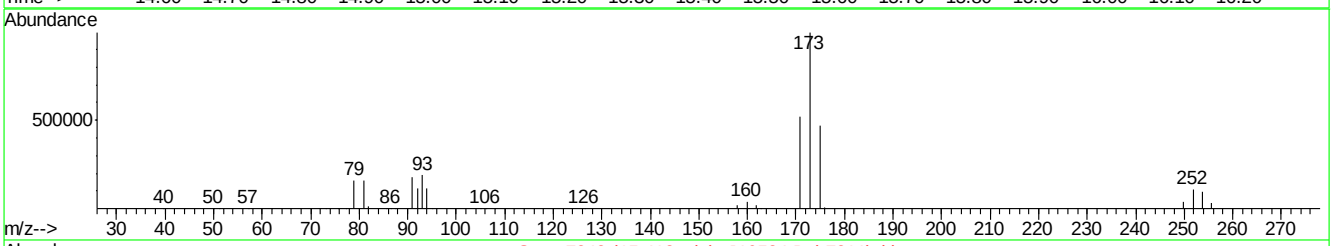
Quantitation Report (Qedit)

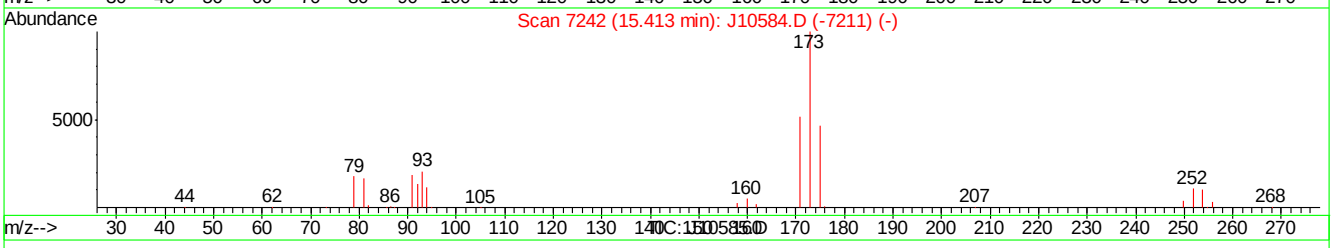
Data File : C:\MSDChem\1\data\J10585.D Vial: 2
Acq On : 7 Jun 2007 2:55 pm Operator: danat
Sample : ic548-20 (m109) Inst : MSJ
Misc : MS13684, MSJ548,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

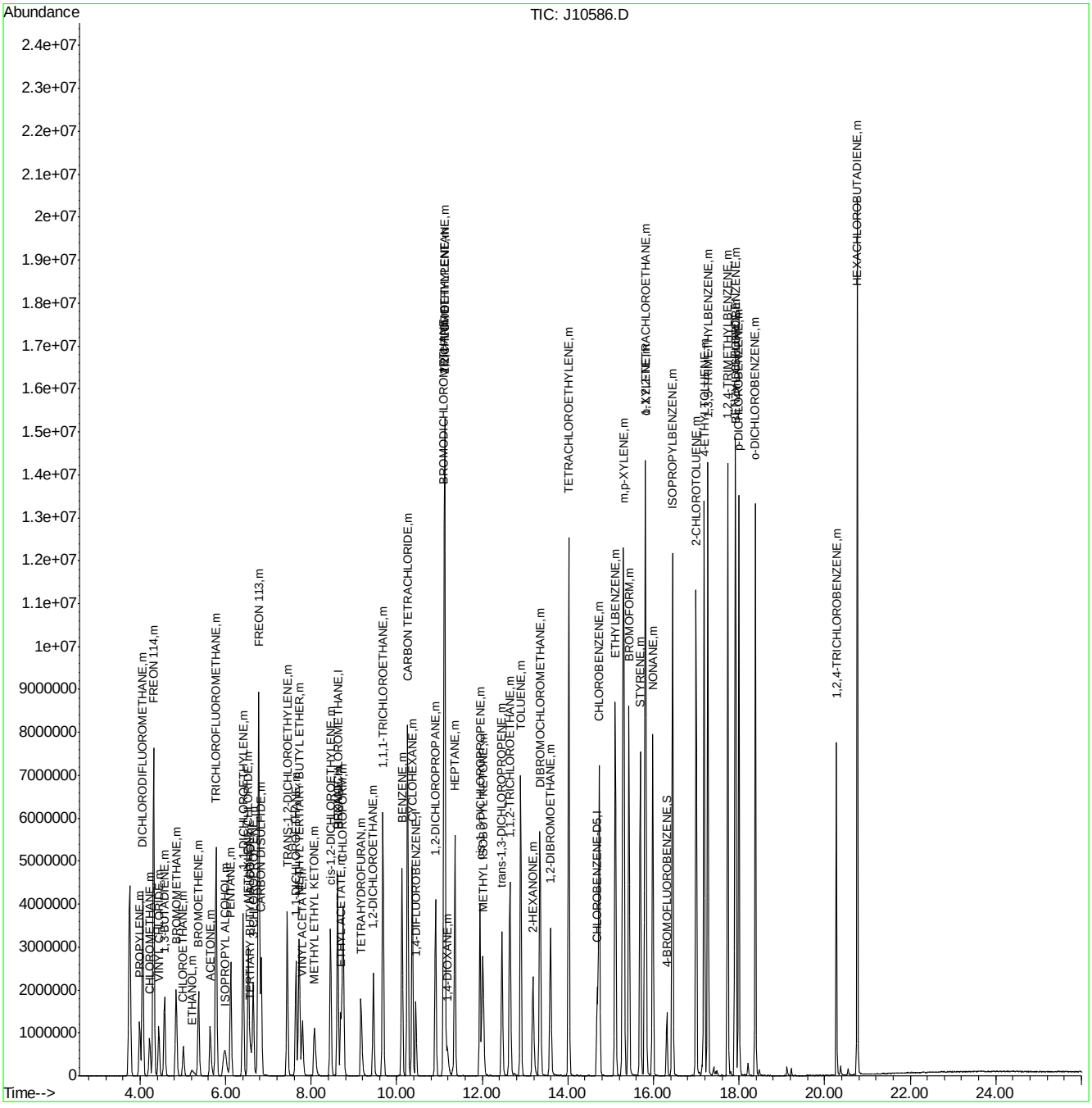
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.01	43	2898628	45.08	PPBV	97
45) cis-1,3-DICHLOROPROPENE	11.95	75	2598251	45.77	PPBV	99
46) TOLUENE	12.90	92	3571070	45.73	PPBV	100
47) trans-1,3-DICHLOROPROPENE	12.46	75	2568983	39.15	PPBV	98
48) 1,1,2-TRICHLOROETHANE	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



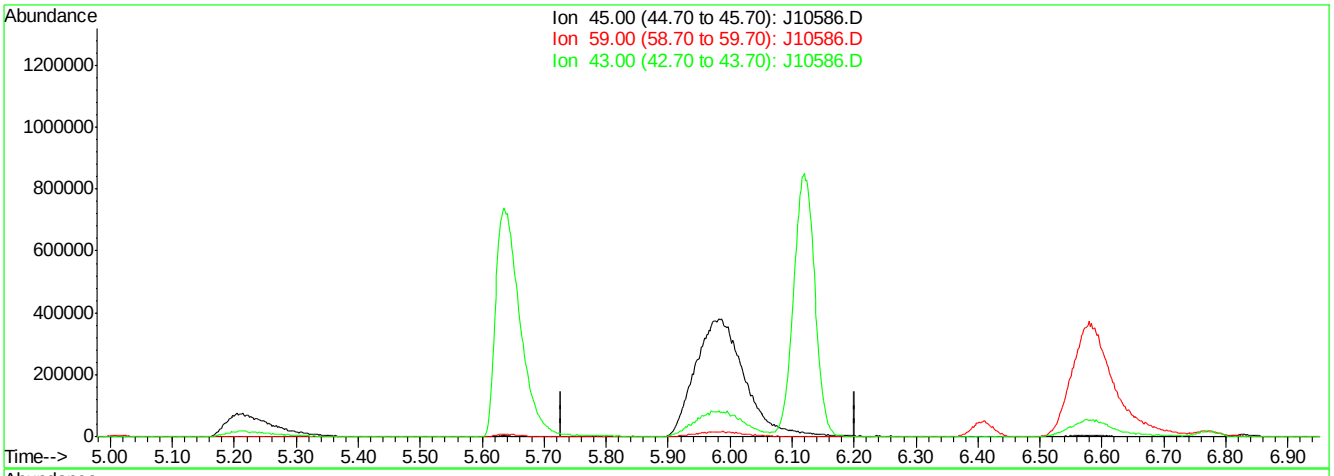
ACCUTEST Laboratories M65248

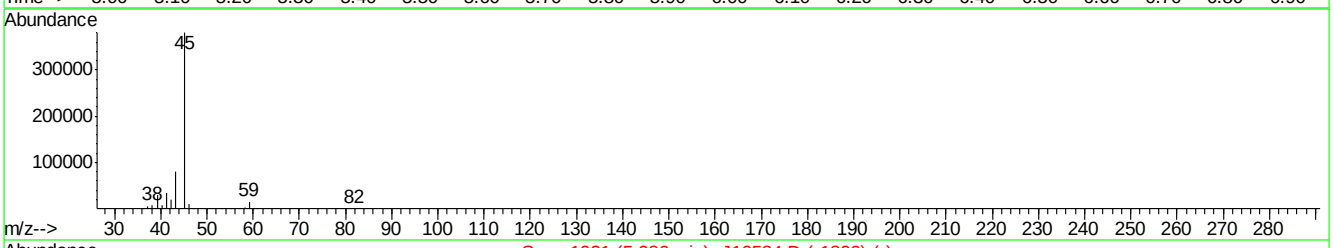
Quantitation Report (Qedit)

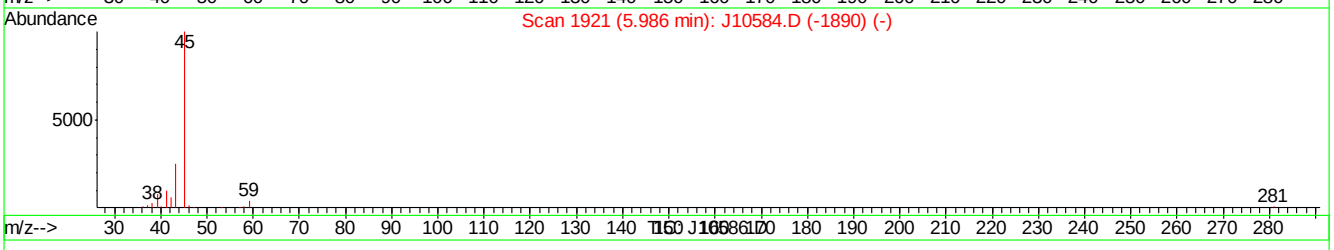
Data File : C:\MSDChem\1\data\J10586.D Vial: 2
Acq On : 7 Jun 2007 3:51 pm Operator: danat
Sample : ic548-40 (m109) Inst : MSJ
Misc : MS13684, MSJ548,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

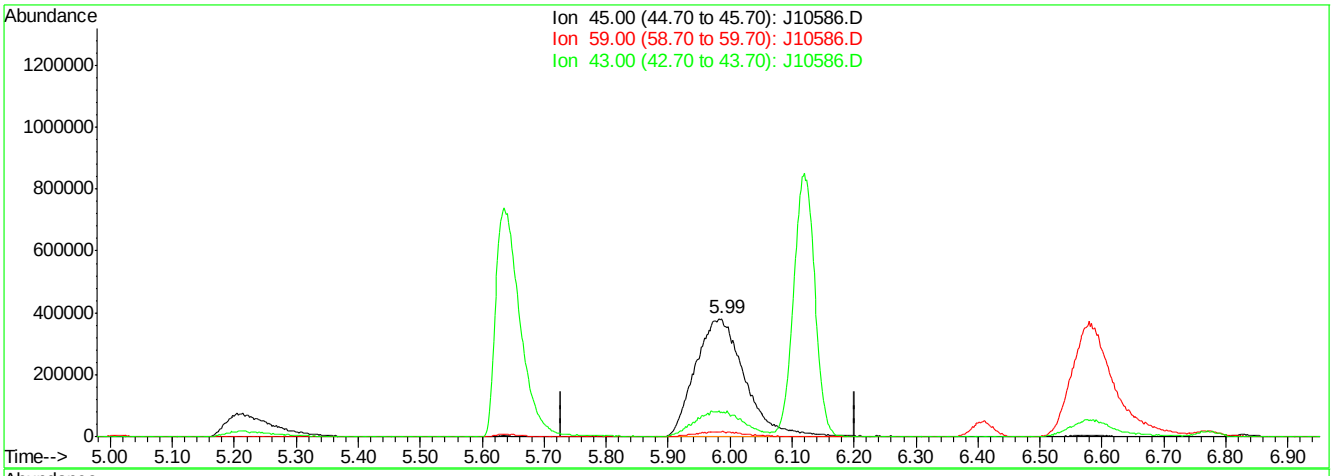
J10586.D J060707T.M Thu Jun 07 16:27:48 2007

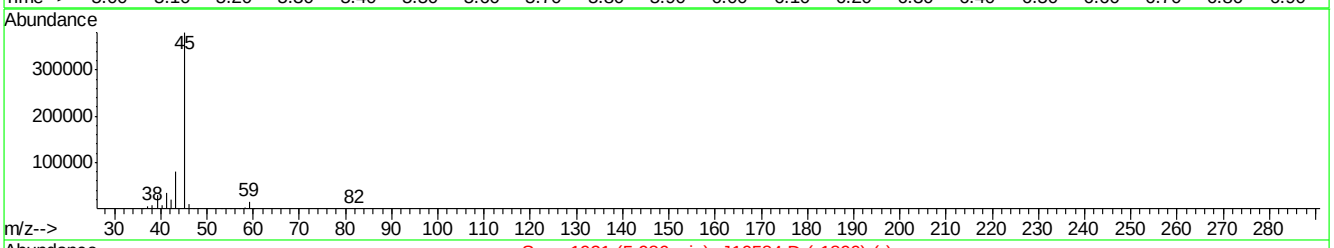
Quantitation Report (Qedit)

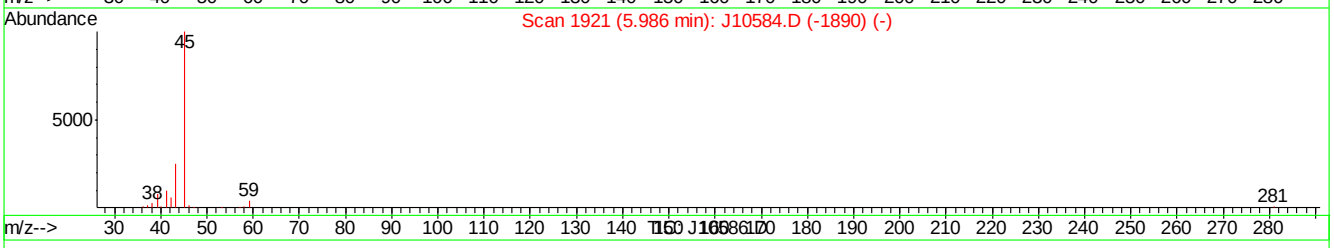
Data File : C:\MSDChem\1\data\J10586.D Vial: 2
Acq On : 7 Jun 2007 3:51 pm Operator: danat
Sample : ic548-40 (m109) Inst : MSJ
Misc : MS13684, MSJ548,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

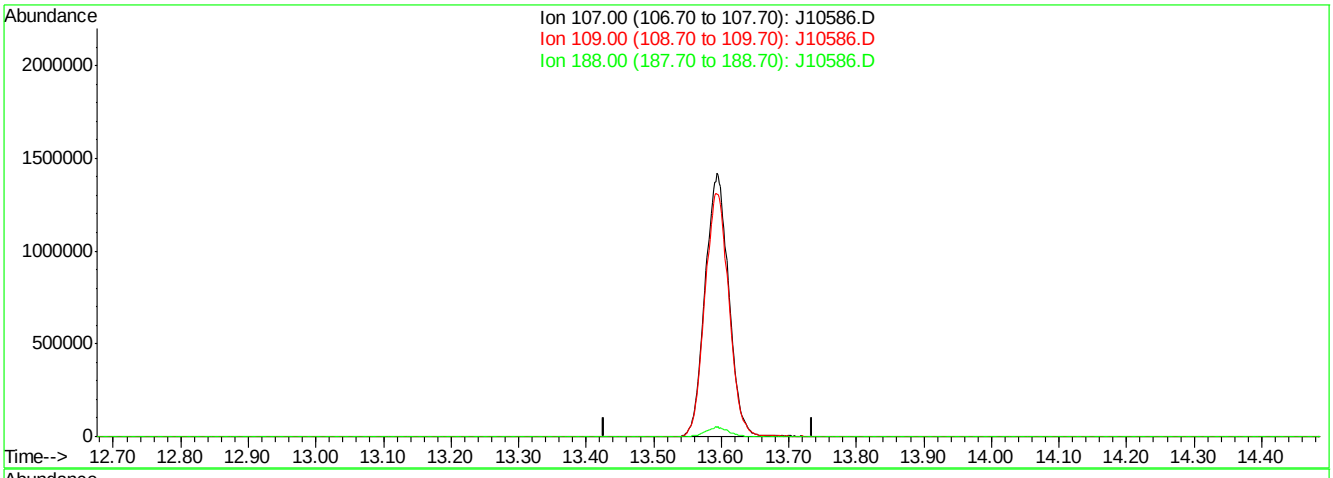
J10586.D J060707T.M Thu Jun 07 16:27:53 2007

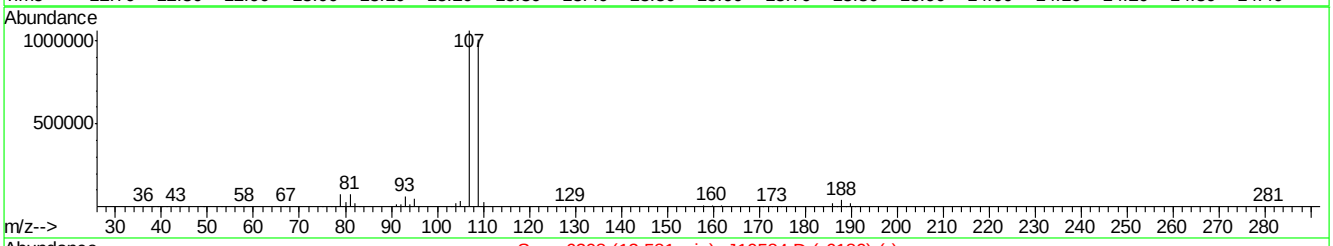
Quantitation Report (Qedit)

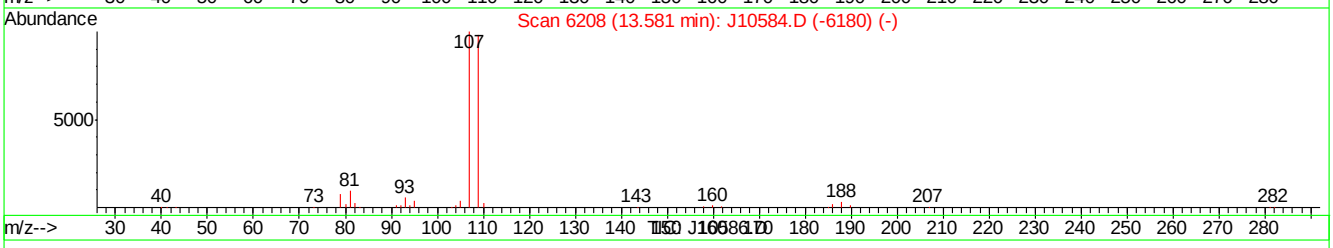
Data File : C:\MSDChem\1\data\J10586.D Vial: 2
Acq On : 7 Jun 2007 3:51 pm Operator: danat
Sample : ic548-40 (m109) Inst : MSJ
Misc : MS13684, MSJ548,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

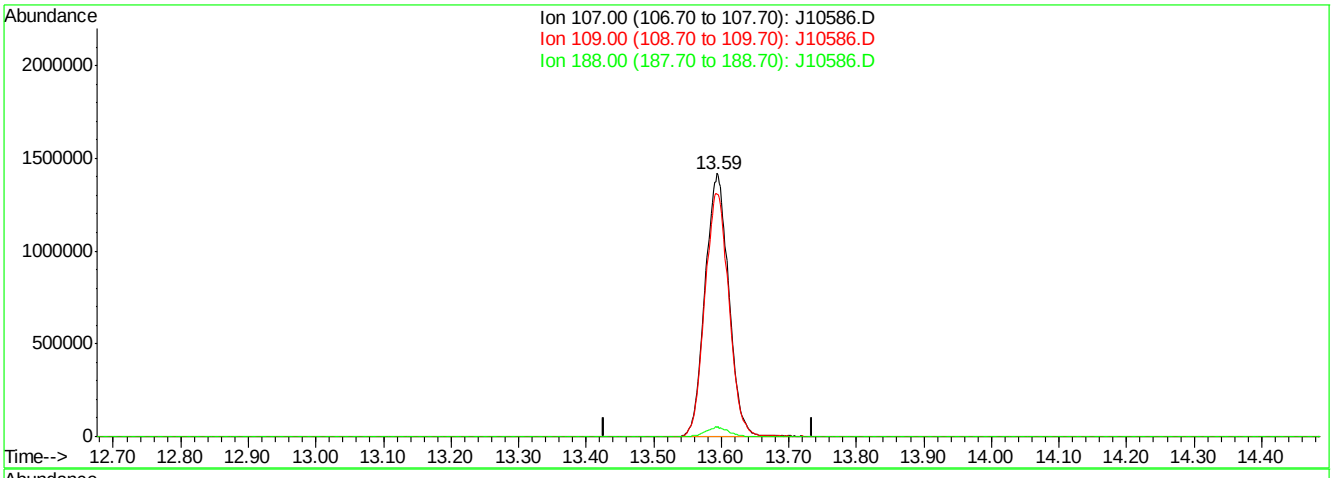
J10586.D J060707T.M Thu Jun 07 16:28:30 2007

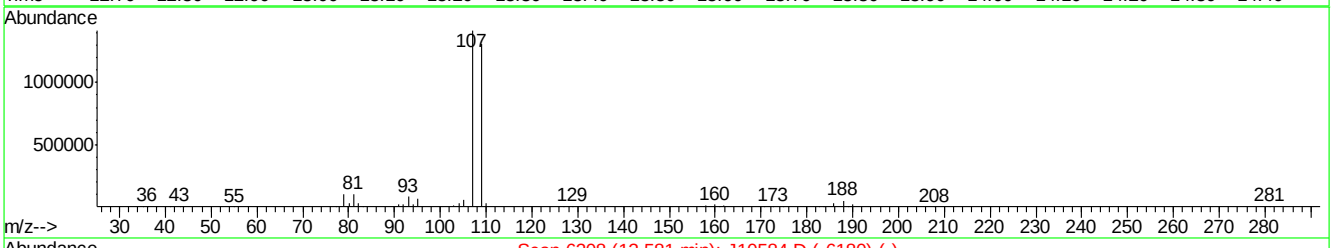
Quantitation Report (Qedit)

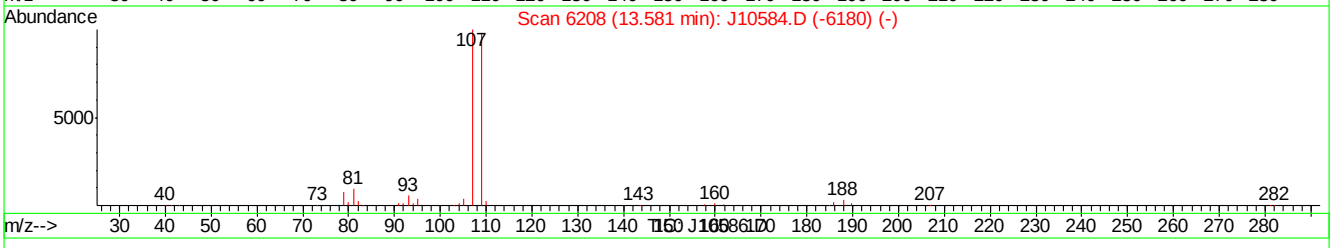
Data File : C:\MSDChem\1\data\J10586.D Vial: 2
Acq On : 7 Jun 2007 3:51 pm Operator: danat
Sample : ic548-40 (m109) Inst : MSJ
Misc : MS13684, MSJ548,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

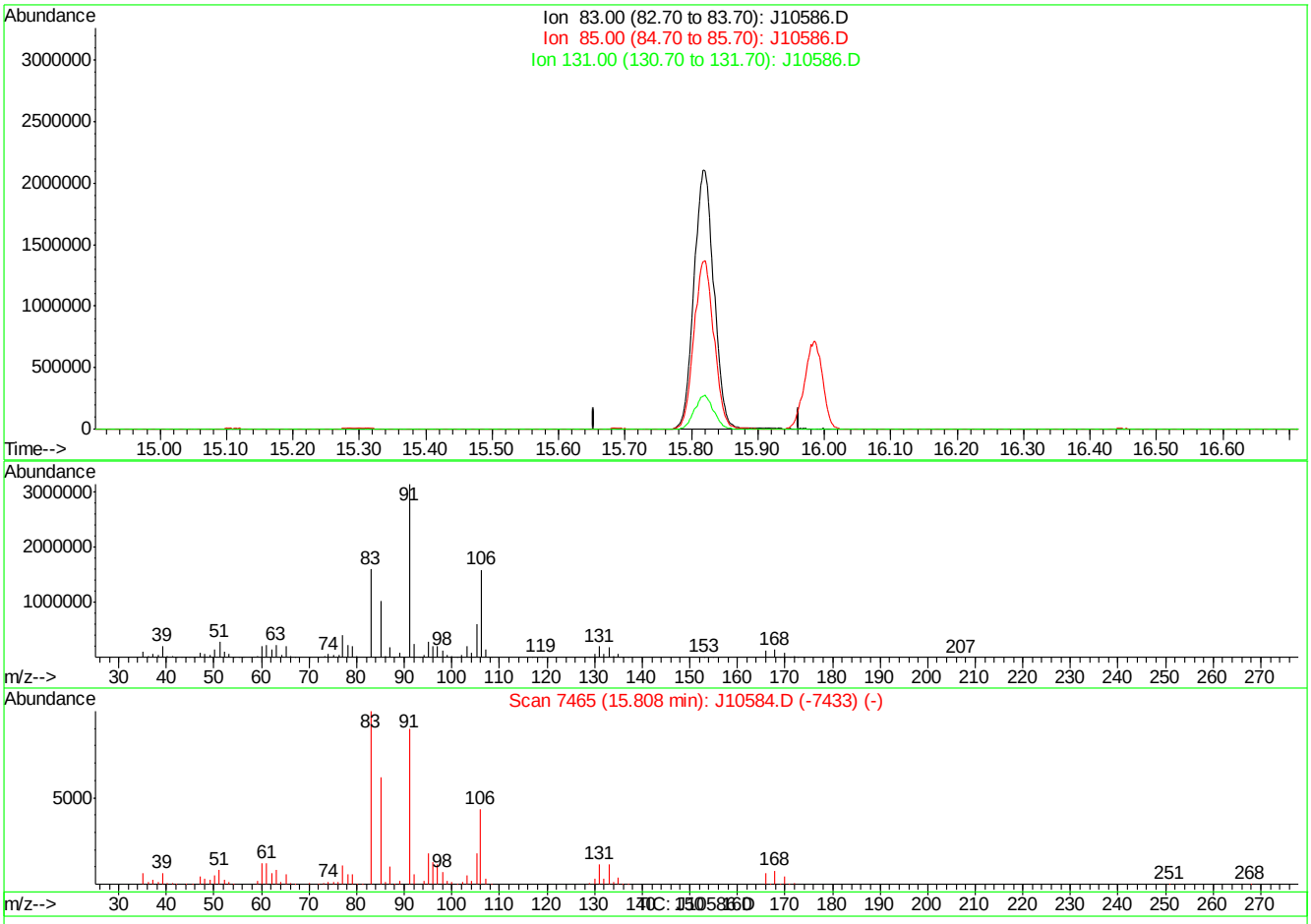
J10586.D J060707T.M Thu Jun 07 16:28:34 2007

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

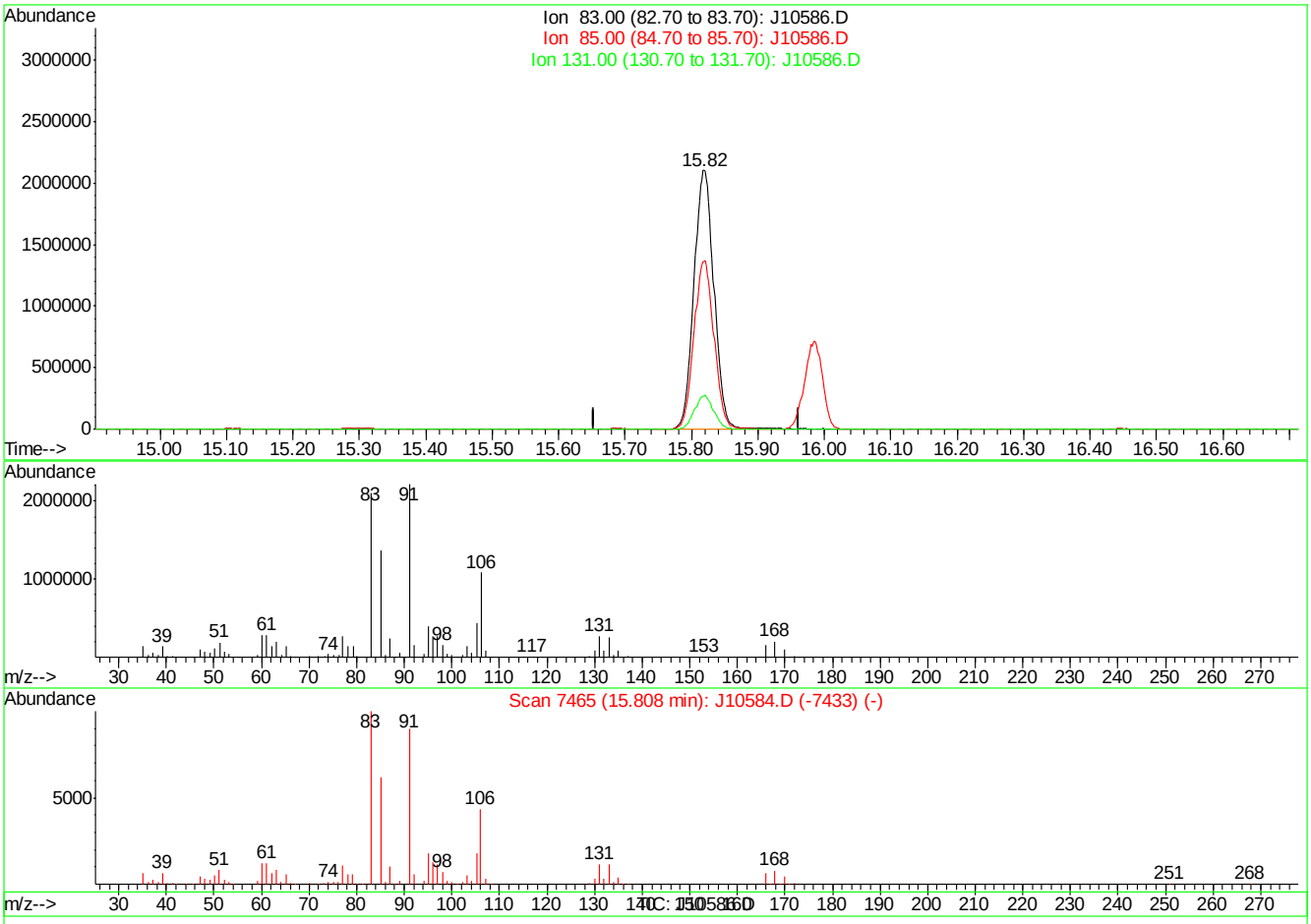
J10586.D J060707T.M Thu Jun 07 16:28:43 2007

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 : J10587a.D
Acq On : 7 Jun 2007 4:48 pm
Operator : danat
Sample : cc548-10 (m179)
Misc : MS13684, MSJ548,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 08 14:25:38 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 : J10587a.D
Acq On : 7 Jun 2007 4:48 pm
Operator : danat
Sample : cc548-10 (m179)
Misc : MS13684, MSJ548,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 08 14:25:38 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

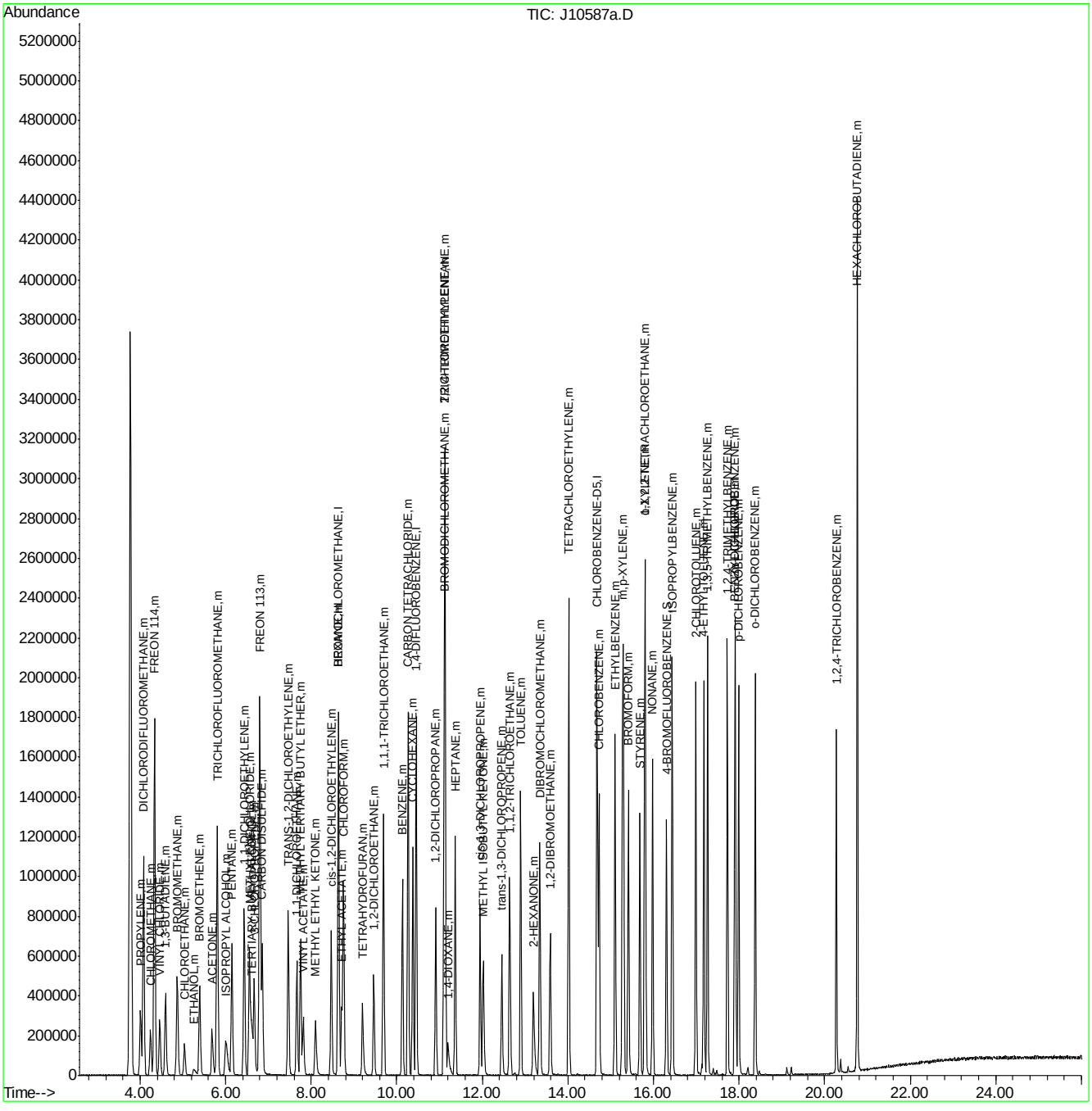
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.02	43	512900	8.29	PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.95	75	483552	8.84	PPBV	97
46) TOLUENE	12.90	92	622578	8.27	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.45	75	382630	8.28	PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.64	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 : J10587a.D
Acq On : 7 Jun 2007 4:48 pm
Operator : danat
Sample : cc548-10 (m179)
Misc : MS13684, MSJ548,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 08 14:25:38 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



ACCUTEST Laboratories M65248

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

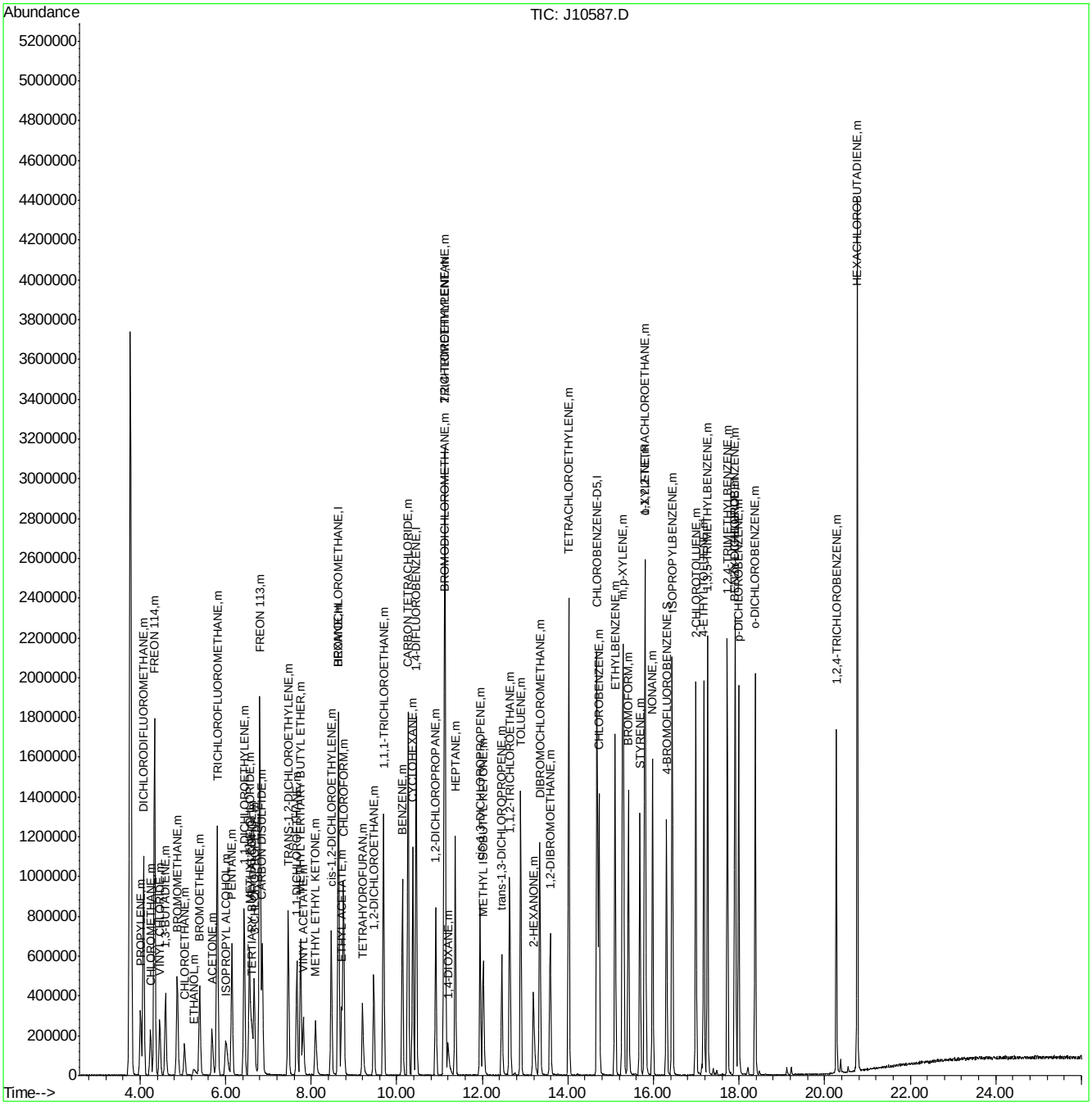
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.02	43	512900	8.29	PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.95	75	483552	8.84	PPBV	97
46) TOLUENE	12.90	92	622578	8.27	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.45	75	382630	8.28	PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.64	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)
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

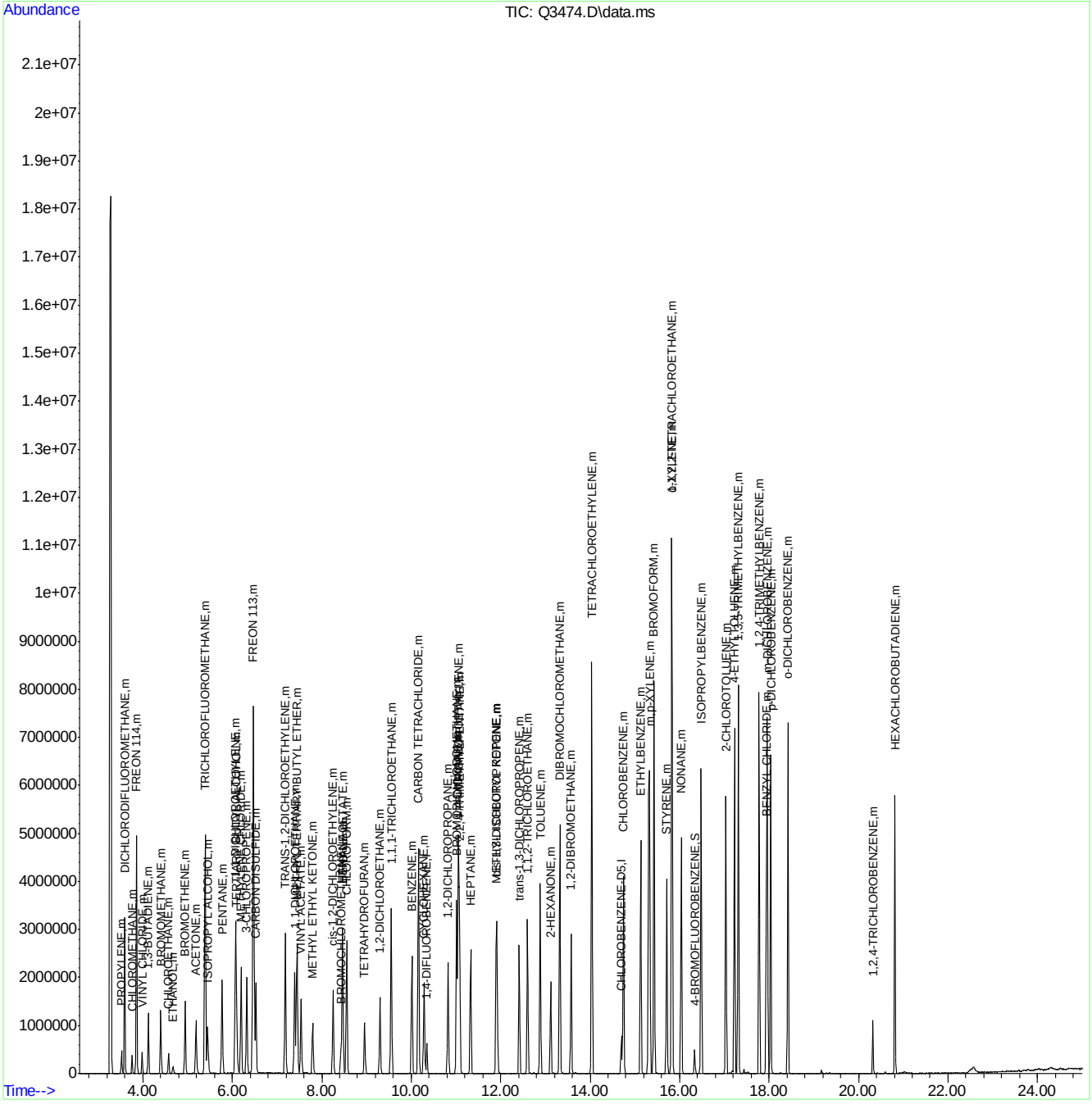
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.920	43	1498048	27.64	PPBV	95
45) cis-1,3-DICHLOROPROPENE	11.899	75	943855	39.44	PPBV	87
46) TOLUENE	12.886	92	1278572	51.25	PPBV	98
47) trans-1,3-DICHLOROPROPENE	12.417	75	1031995	50.19	PPBV #	99
48) 1,1,2-TRICHLOROETHANE	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

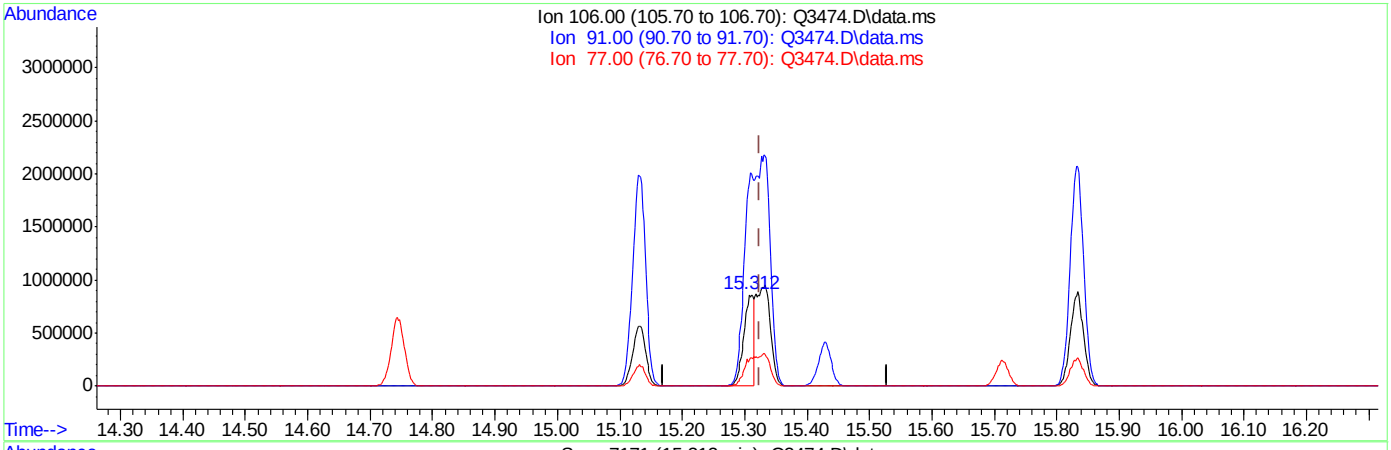
Quant Time: May 22 09:19:01 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:18:43 2007
Response via : Initial Calibration

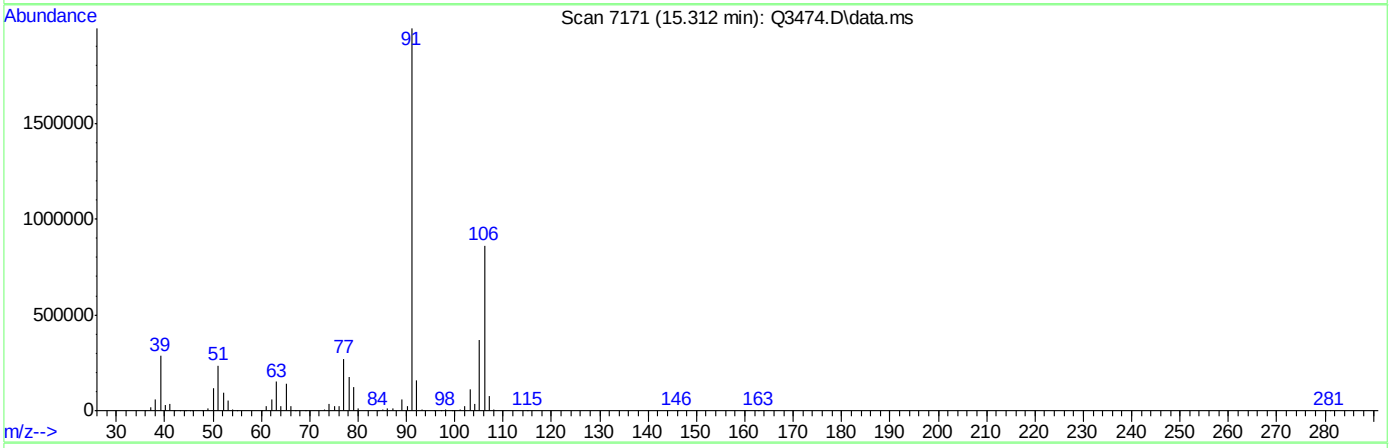


Quantitation Report (Qedit)

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 M65248

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
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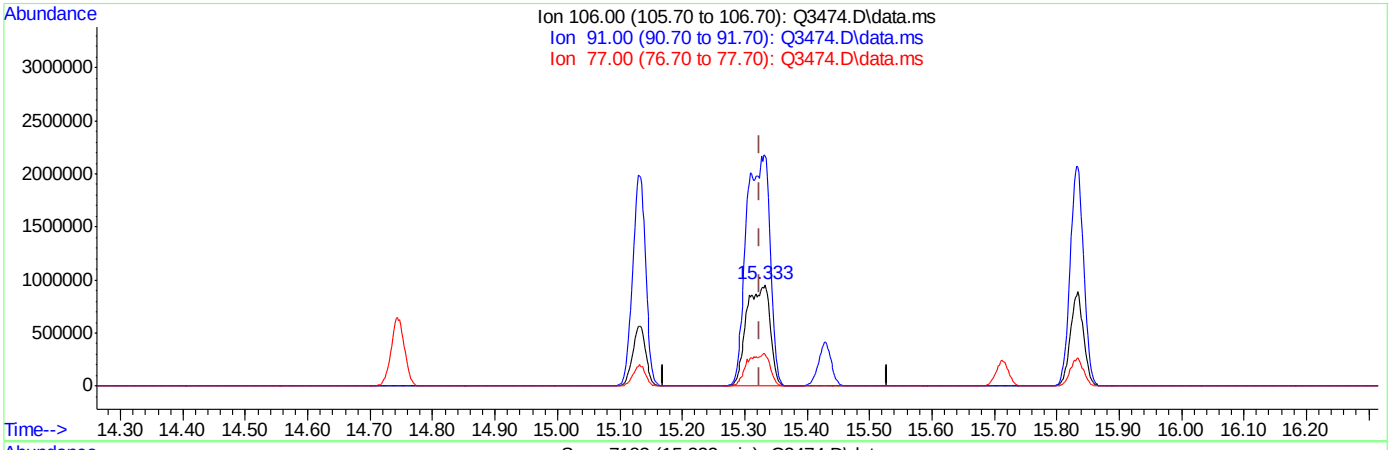
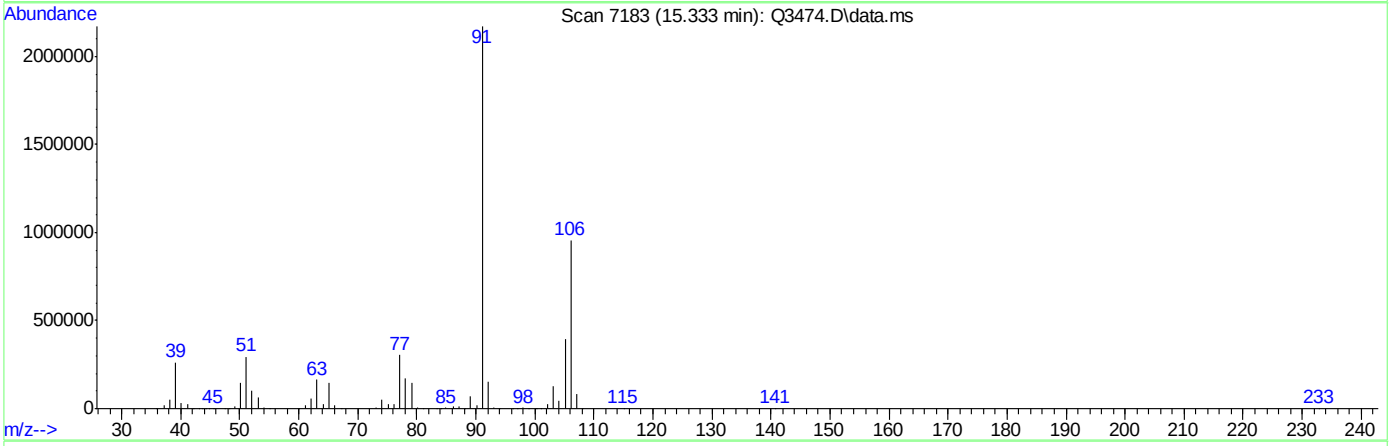




TIC: Q3474.D\data.ms

(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 M65248

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

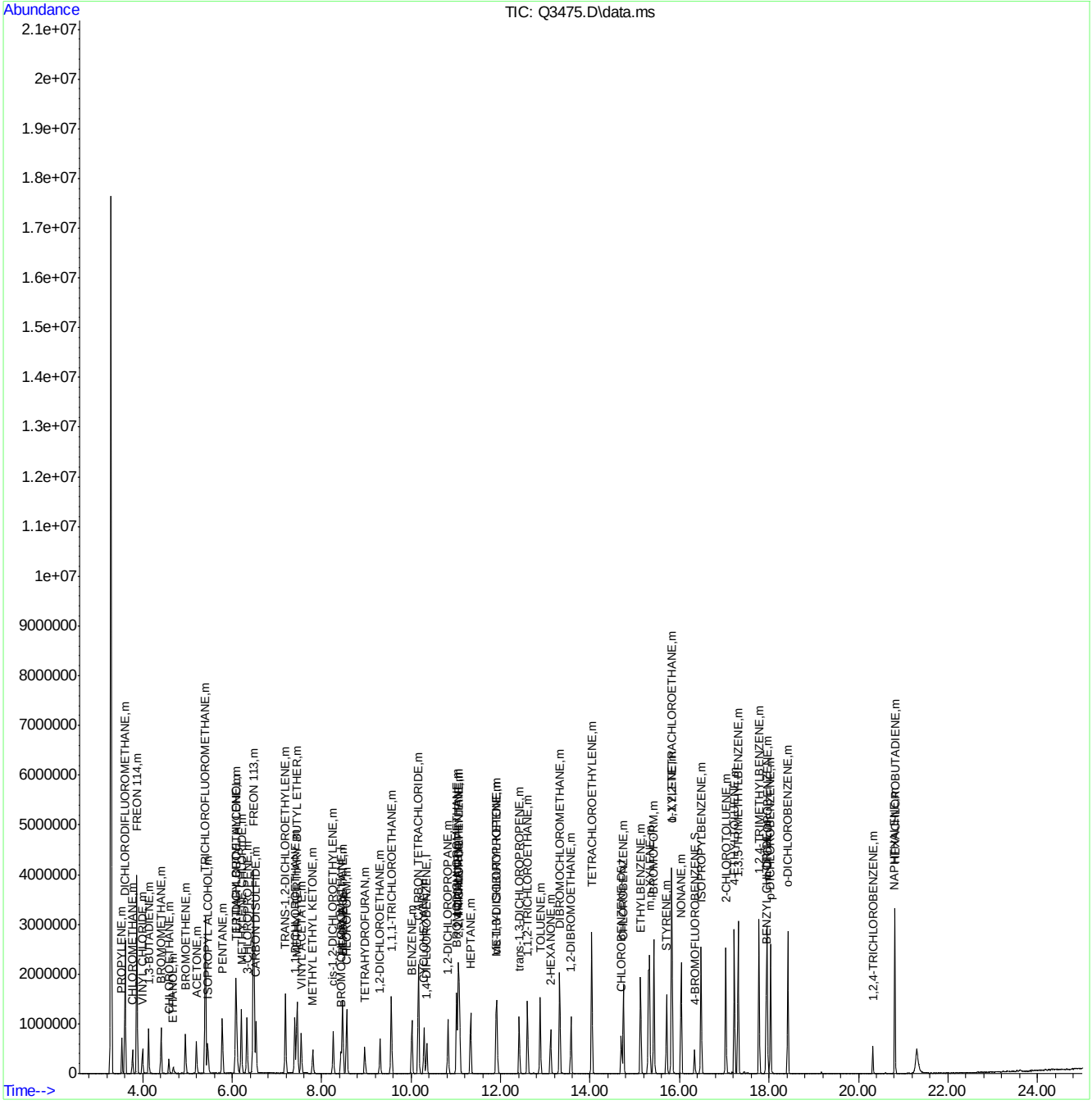
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.919	43	711054	18.47	PPBV	94
45) cis-1,3-DICHLOROPROPENE	11.897	75	414510	17.09	PPBV #	85
46) TOLUENE	12.886	92	513007	15.62	PPBV	98
47) trans-1,3-DICHLOROPROPENE	12.412	75	423786	15.98	PPBV #	100
48) 1,1,2-TRICHLOROETHANE	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

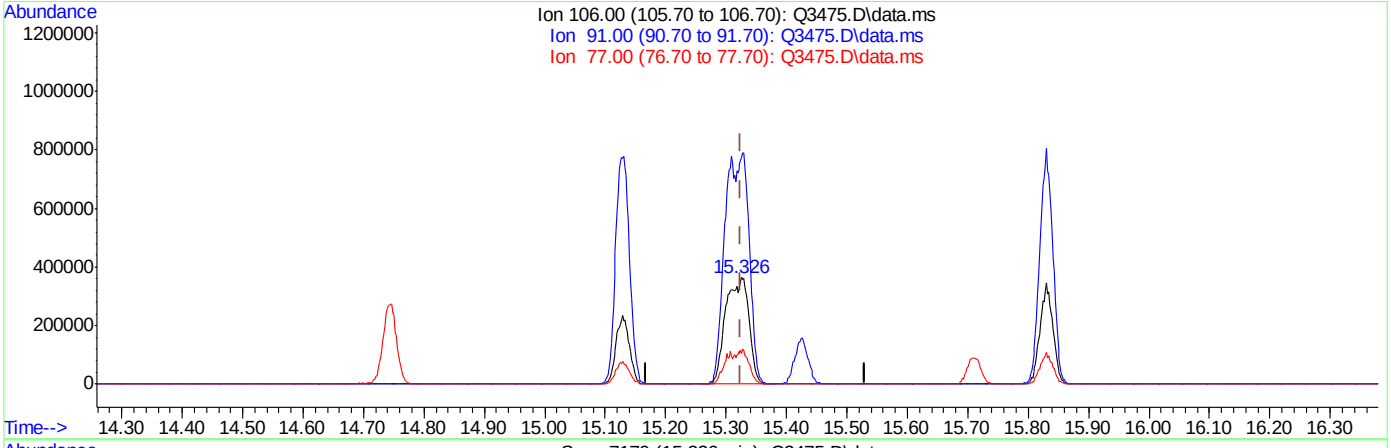
Quant Time: May 22 09:19:26 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:19:22 2007
Response via : Initial Calibration

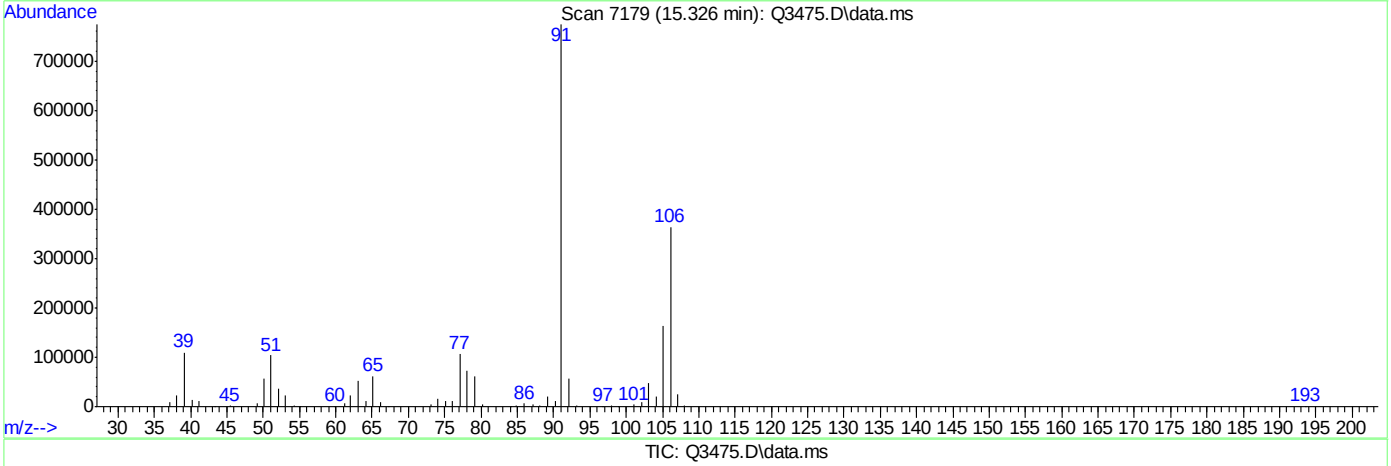


Quantitation Report (Qedit)

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 M65248

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

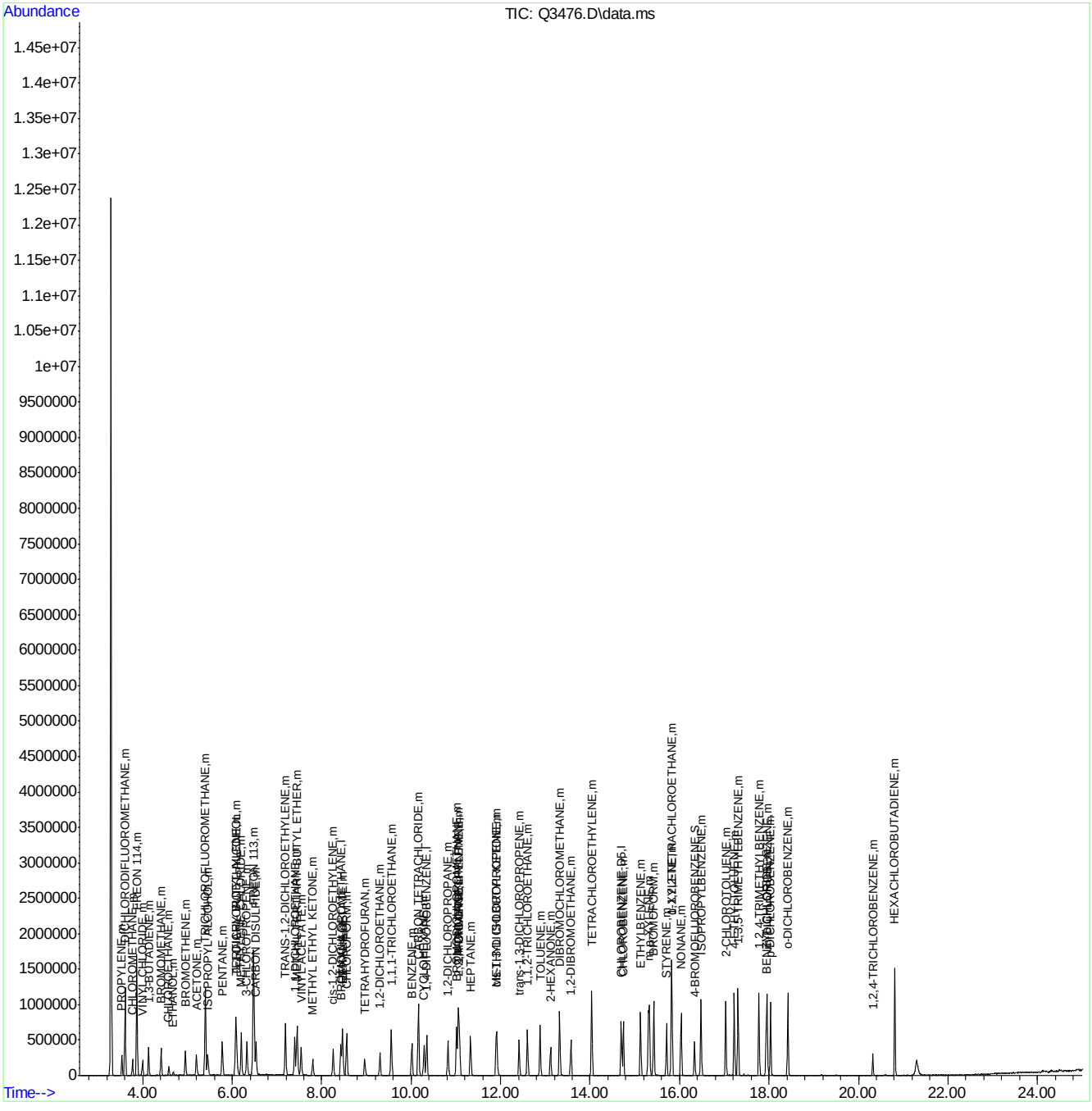
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.917	43	294596	8.29	PPBV	93
45) cis-1,3-DICHLOROPROPENE	11.897	75	168271	7.79	PPBV #	81
46) TOLUENE	12.882	92	222443	7.92	PPBV	98
47) trans-1,3-DICHLOROPROPENE	12.415	75	174032	7.60	PPBV #	99
48) 1,1,2-TRICHLOROETHANE	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



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

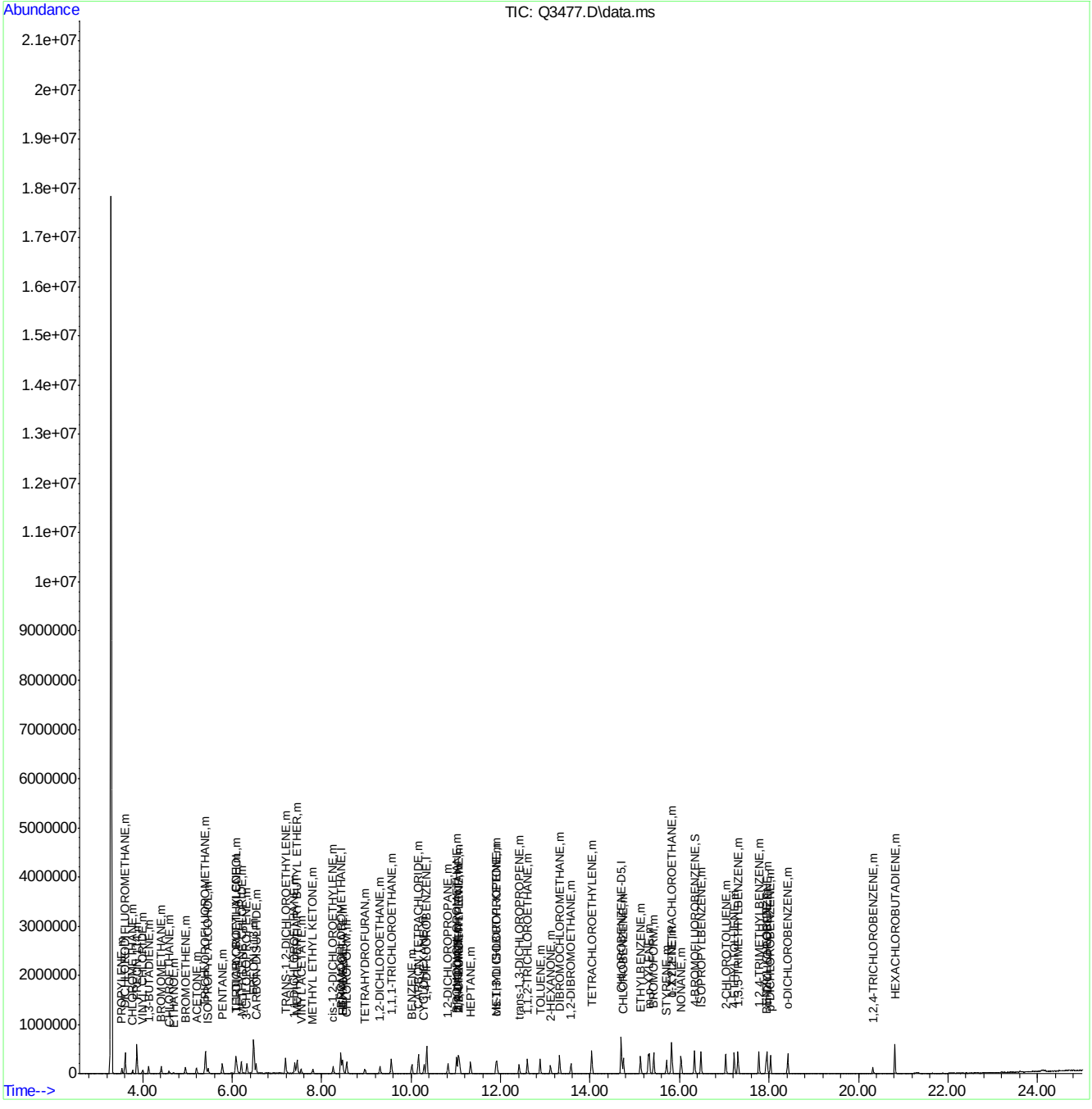
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.920	43	127366	3.95	PPBV	88
45) cis-1,3-DICHLOROPROPENE	11.897	75	69377	3.60	PPBV #	80
46) TOLUENE	12.882	92	88562	3.52	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.412	75	70536	3.48	PPBV #	97
48) 1,1,2-TRICHLOROETHANE	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

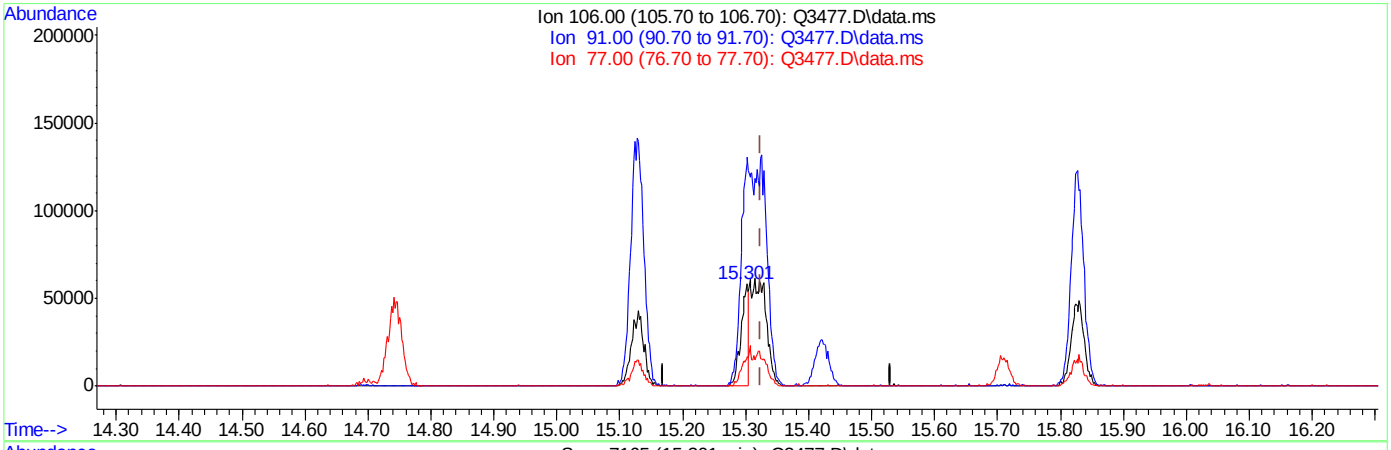
Quant Time: May 22 09:20:55 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:20:32 2007
Response via : Initial Calibration

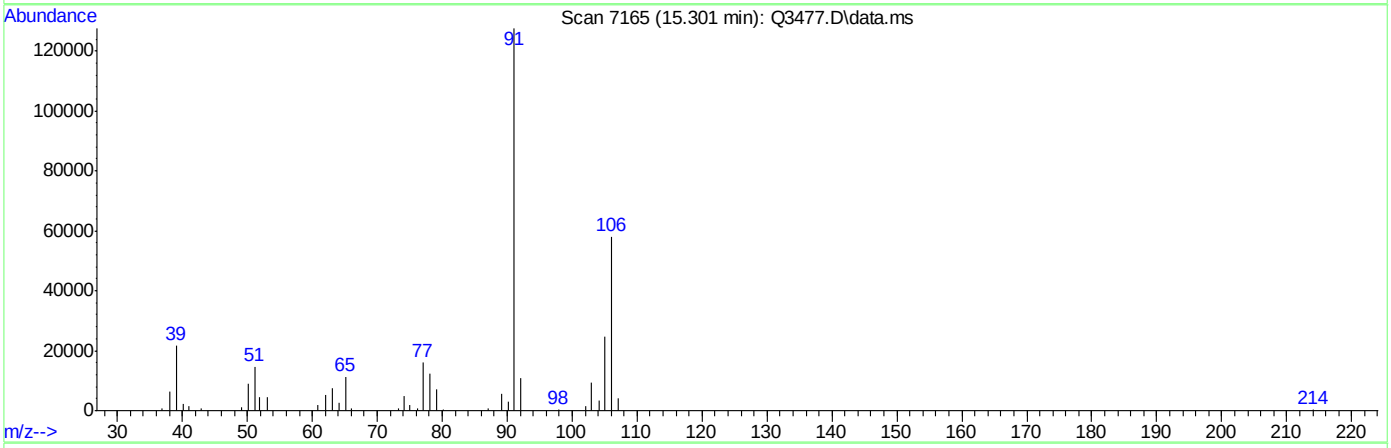


Quantitation Report (Qedit)

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)

15.301min (-0.023) 2.24PPBV

response 51531

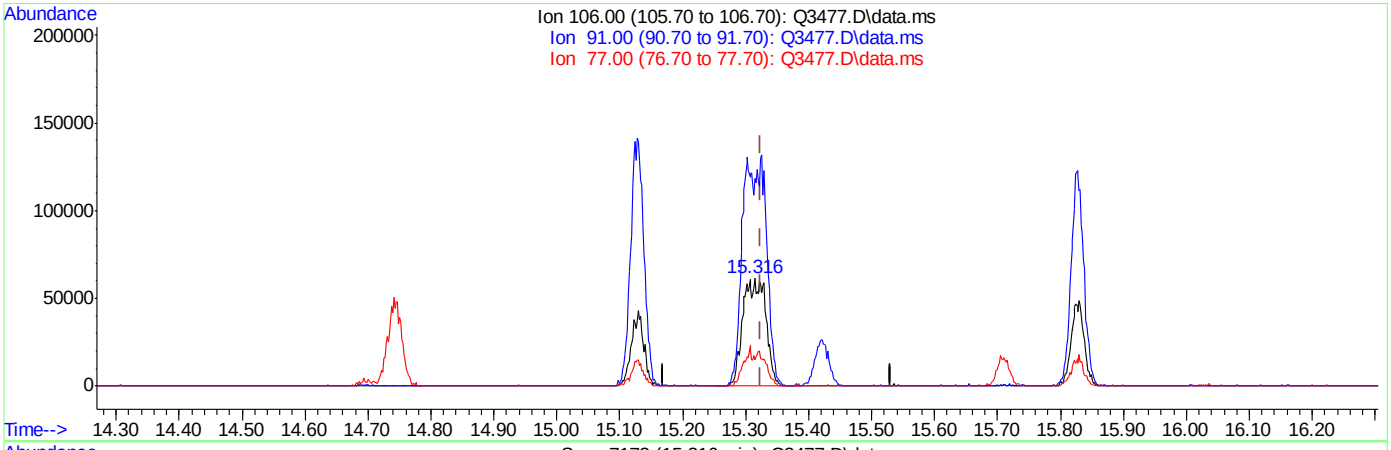
Ion	Exp%	Act%
106.00	100	100
91.00	204.20	219.57
77.00	30.60	27.71
0.00	0.00	0.00

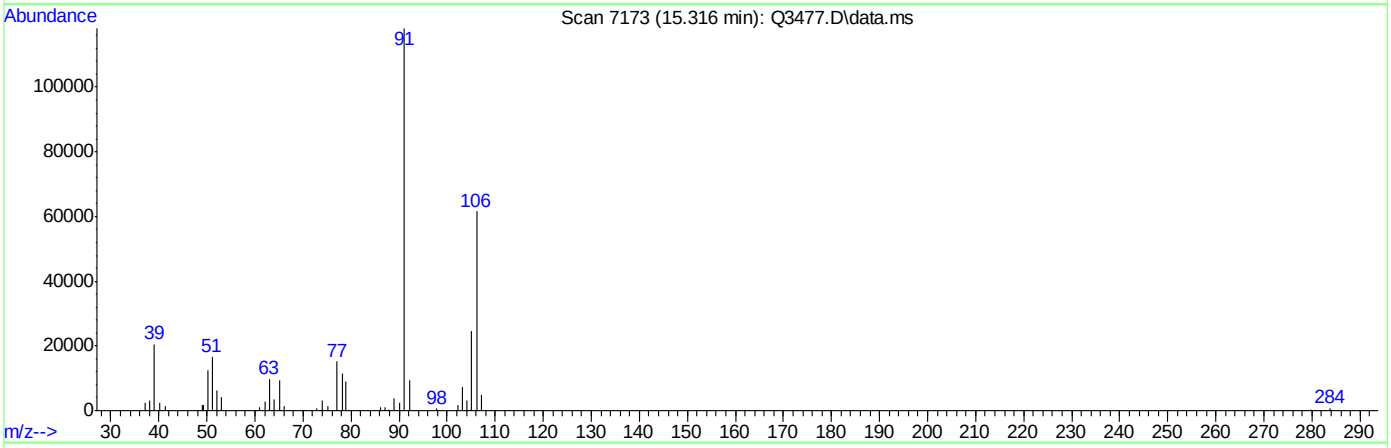
ACCUTEST Laboratories M65248

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 M65248

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

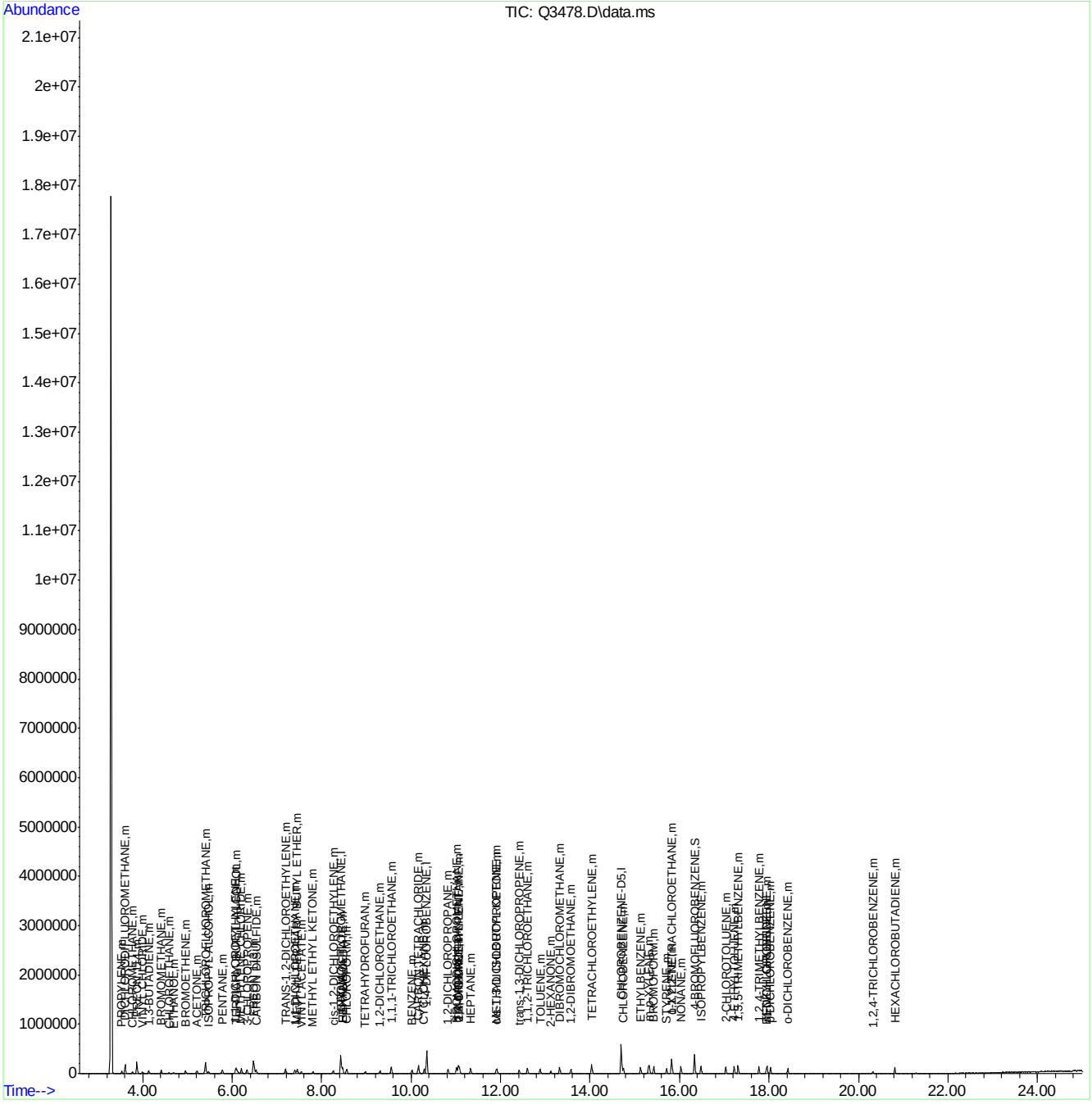
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) METHYL ISOBUTYL KETONE	11.917	43	46342	1.94	PPBV		90
45) cis-1,3-DICHLOROPROPENE	11.895	75	27543	1.97	PPBV		89
46) TOLUENE	12.891	92	30483	1.67	PPBV		95
47) trans-1,3-DICHLOROPROPENE	12.415	75	24096	1.65	PPBV	#	99
48) 1,1,2-TRICHLOROETHANE	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

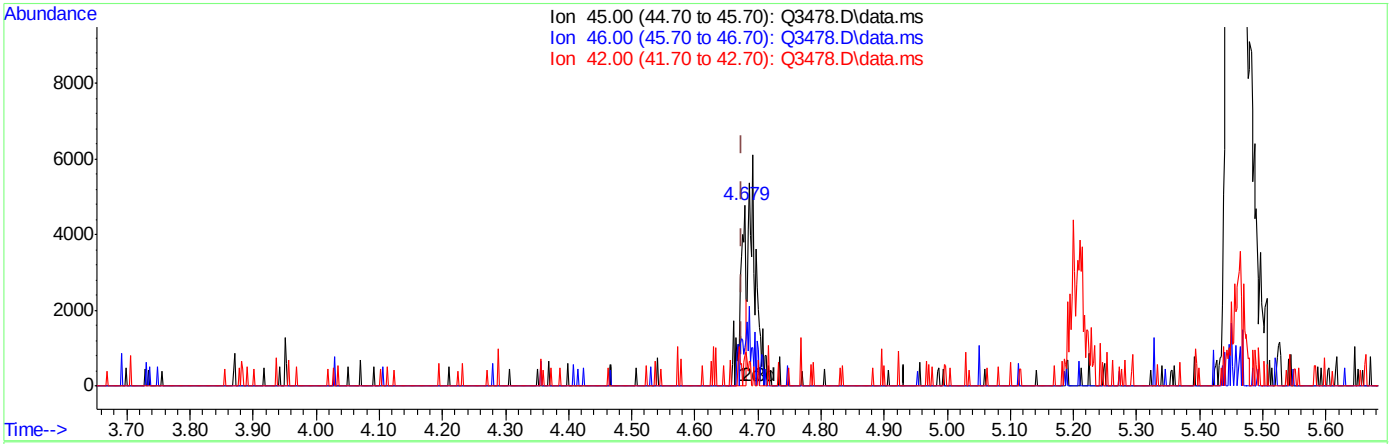


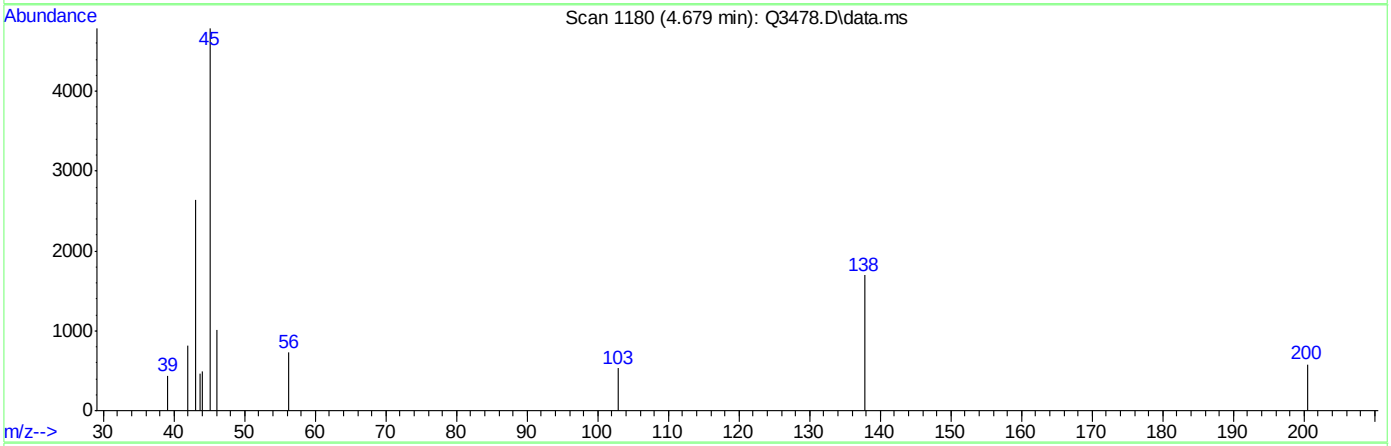
ACCUTEST Laboratories M65248

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 M65248

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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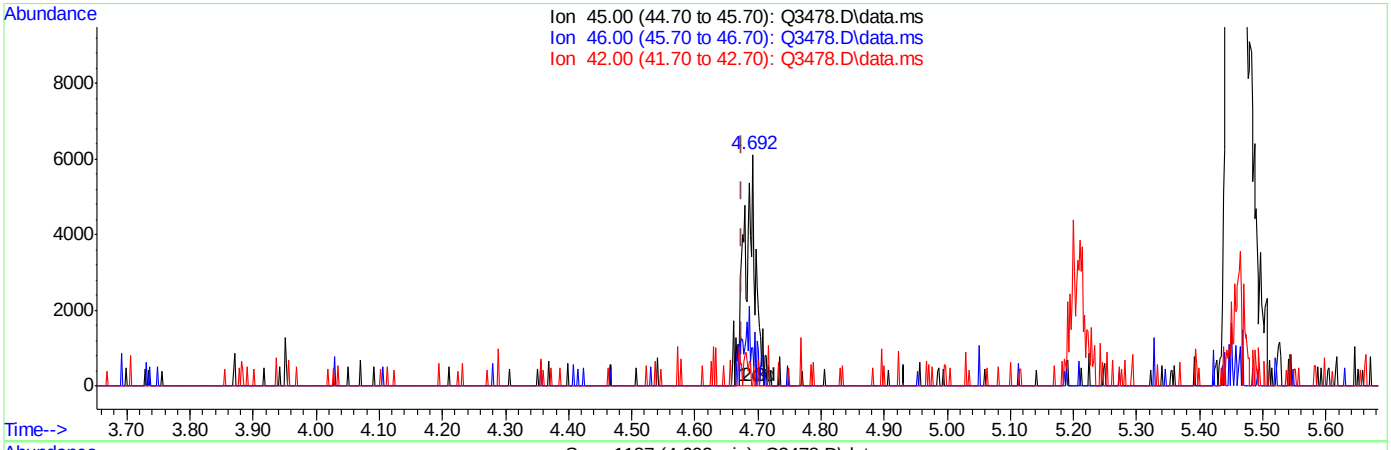
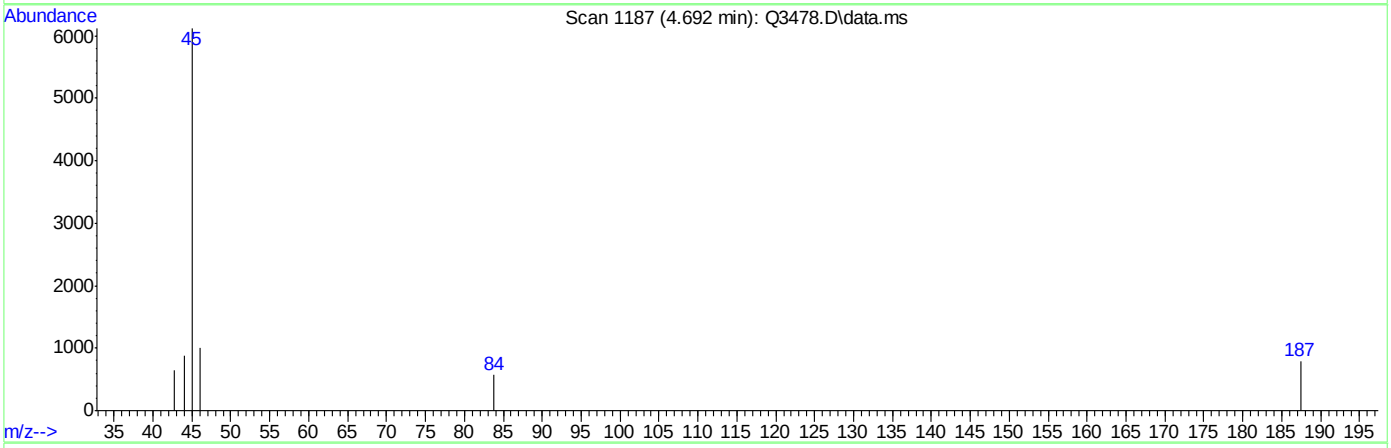




TIC: Q3478.D\data.ms

(16) ETHANOL (m)

4.692min (+0.017) 2.21PPBV m

response 7891

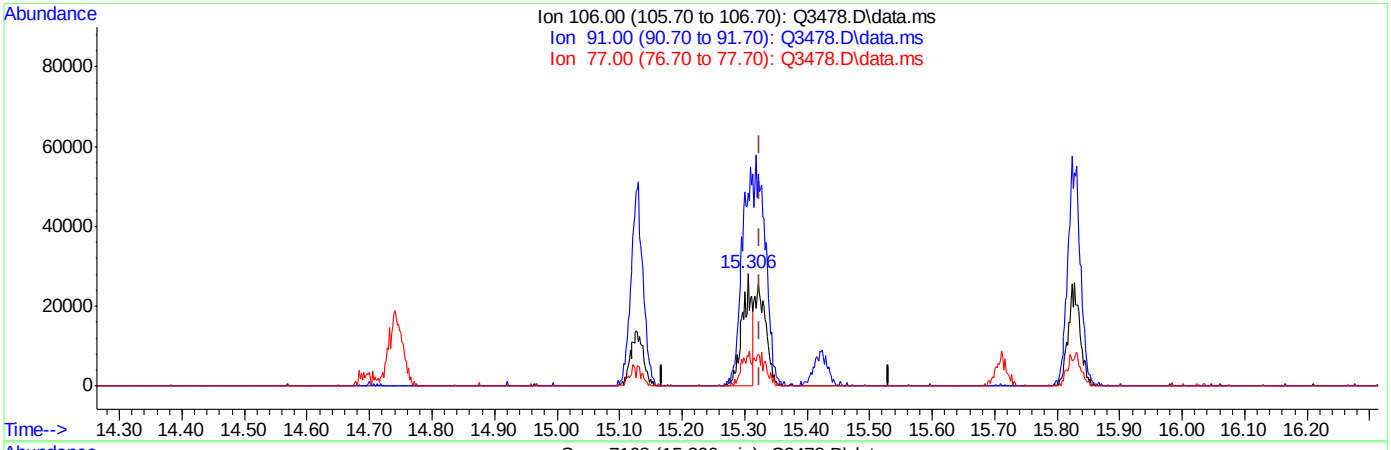
Ion	Exp%	Act%
45.00	100	100
46.00	0.00	18.95
42.00	0.00	4.74
0.00	0.00	0.00

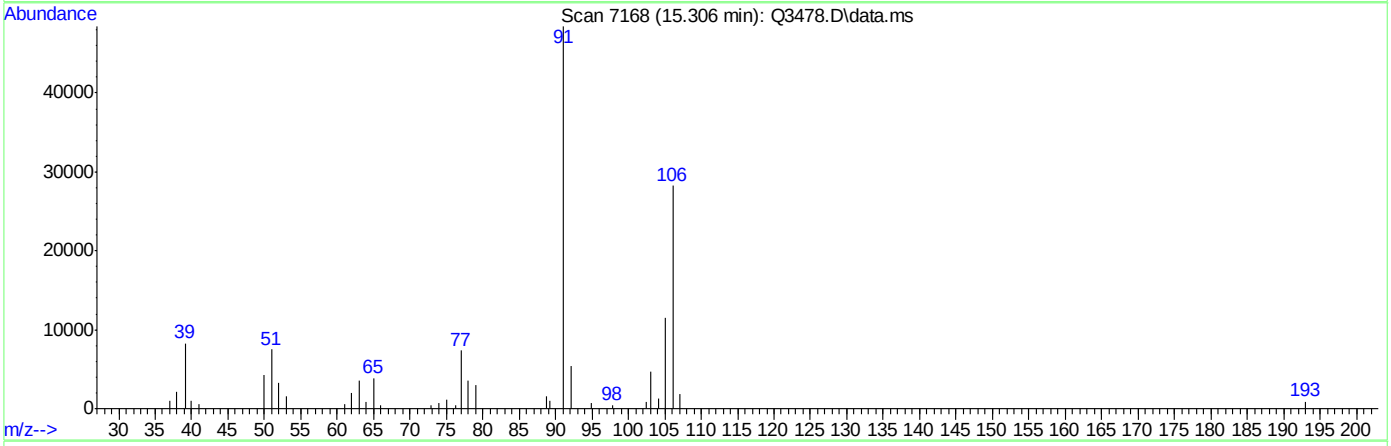
ACCUTEST Laboratories M65248

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

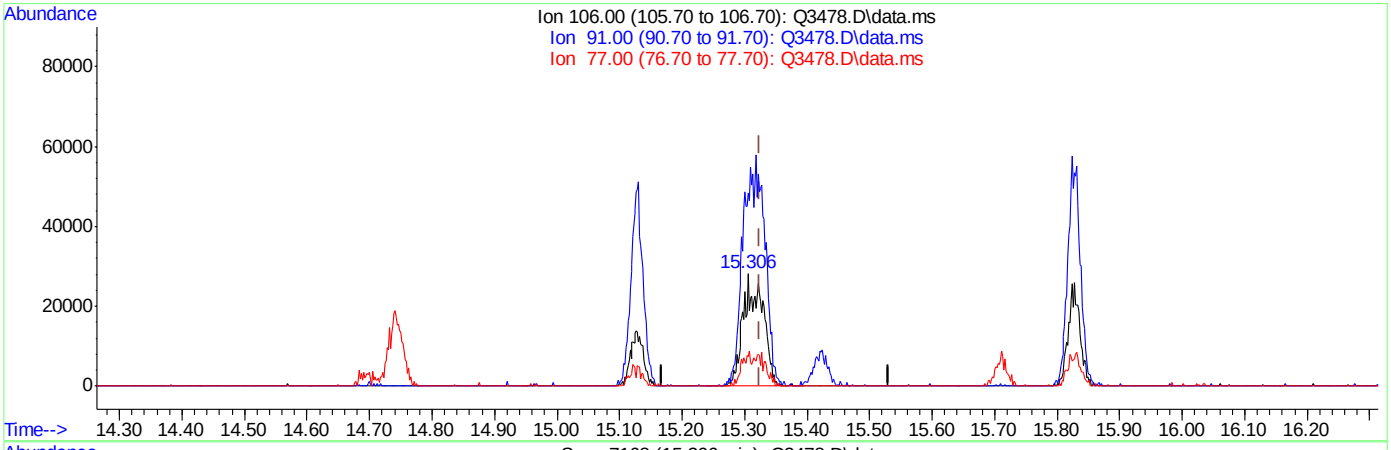
response 30340

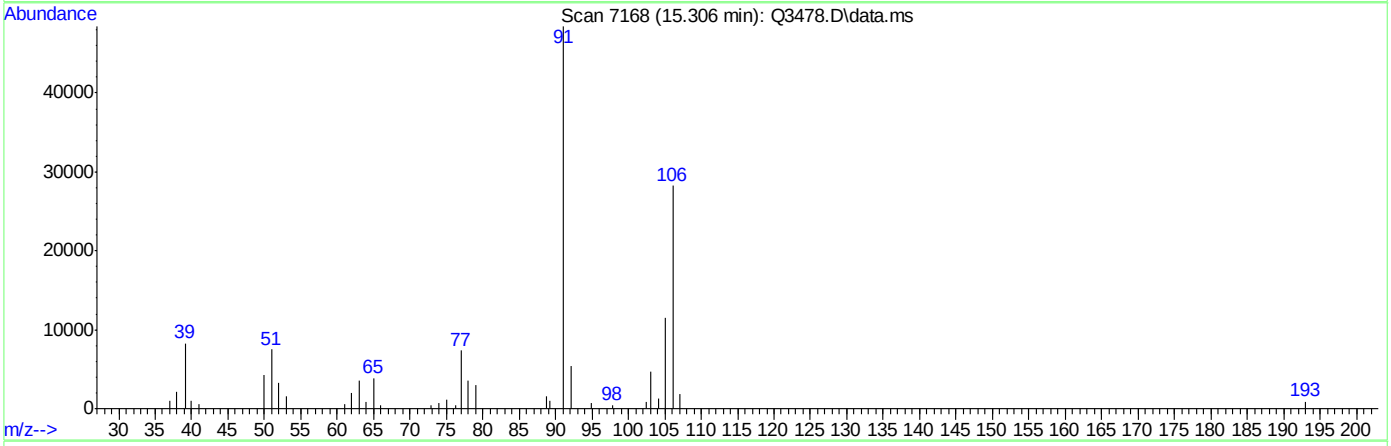
Ion	Exp%	Act%
106.00	100	100
91.00	204.20	171.68
77.00	30.60	26.07
0.00	0.00	0.00

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

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

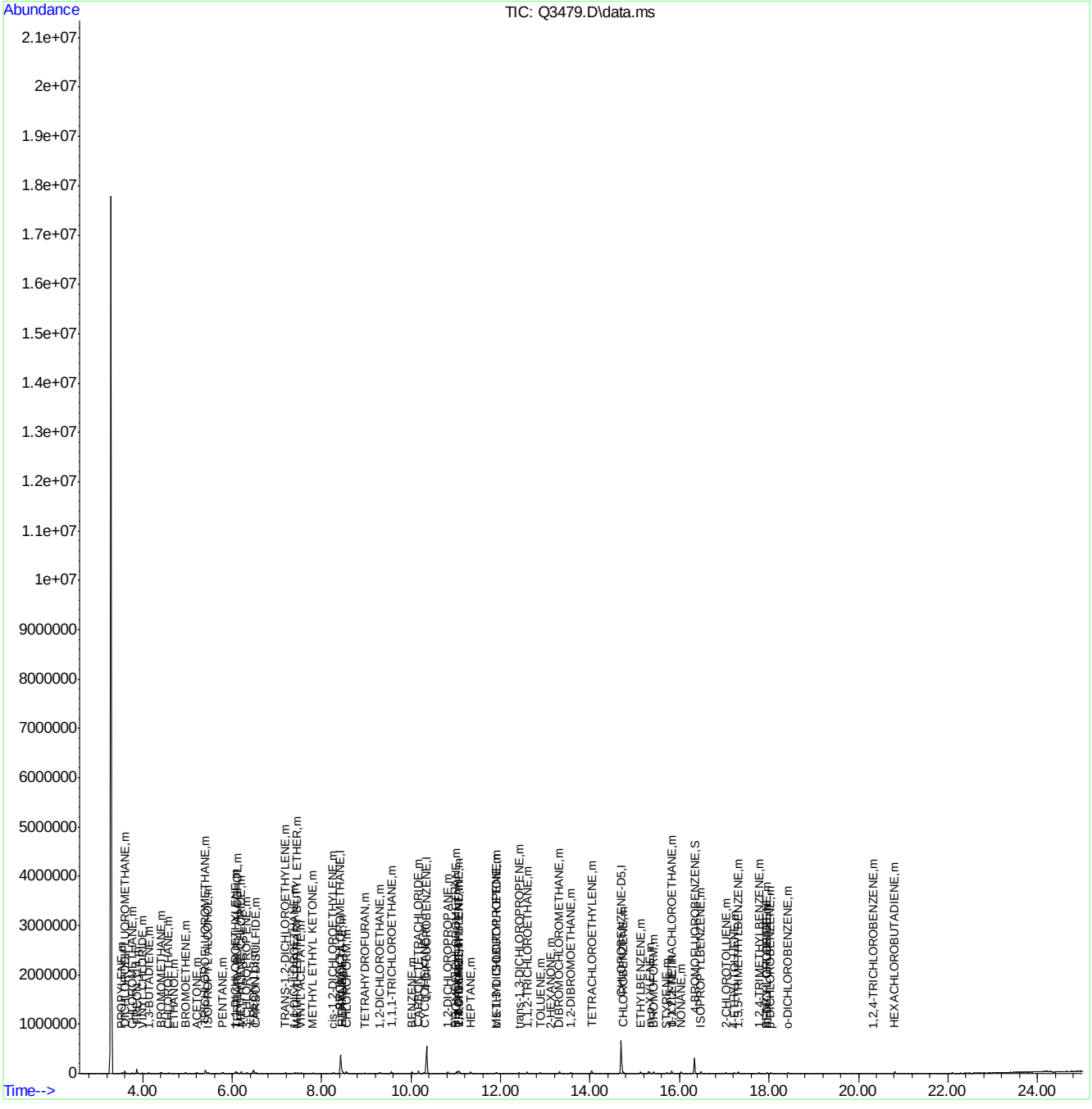
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) METHYL ISOBUTYL KETONE	11.917	43	9064	0.33	PPBV		66
45) cis-1,3-DICHLOROPROPENE	11.904	75	7200	0.44	PPBV		88
46) TOLUENE	12.882	92	7670	0.37	PPBV		98
47) trans-1,3-DICHLOROPROPENE	12.414	75	5532	0.34	PPBV	#	97
48) 1,1,2-TRICHLOROETHANE	12.602	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

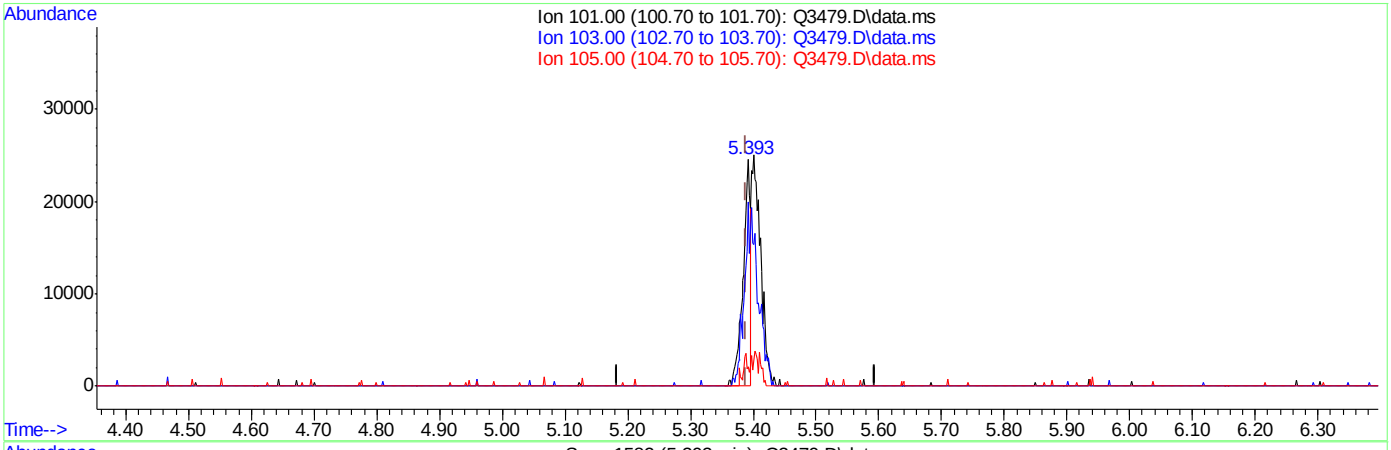


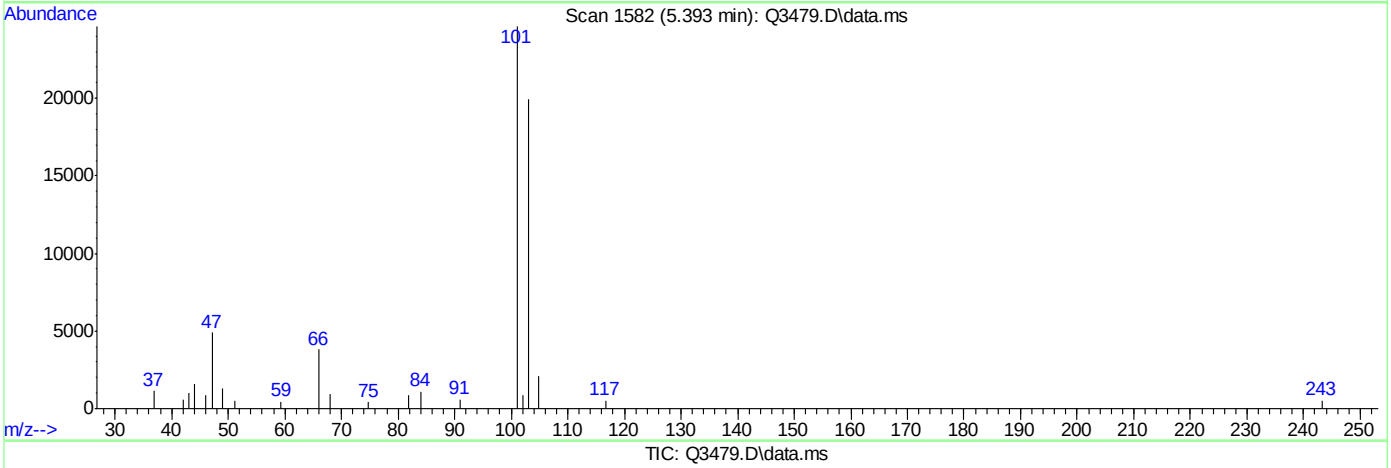
ACCUTEST Laboratories M65248

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

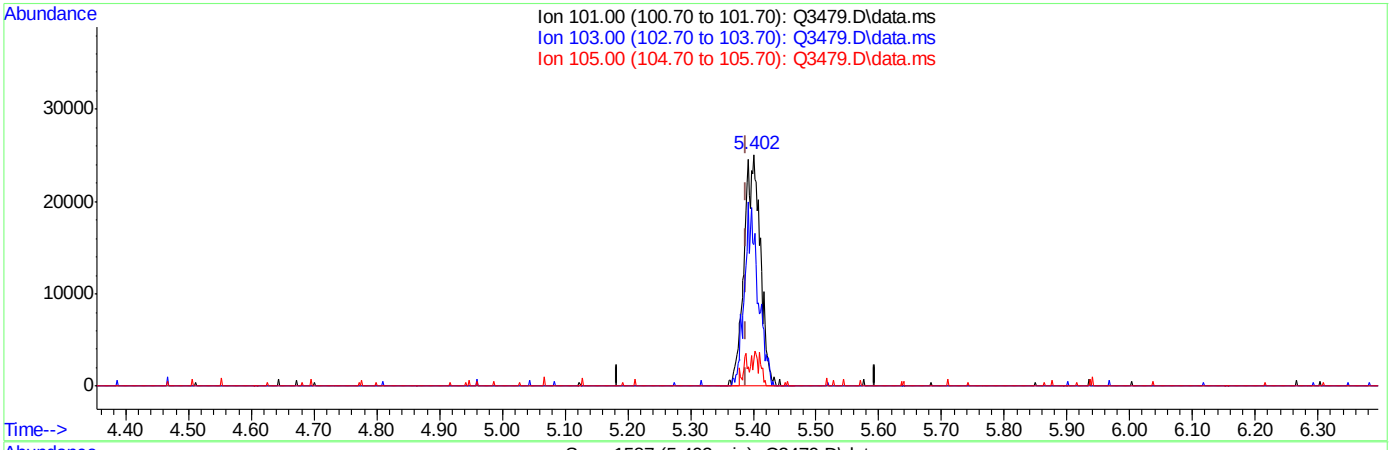
response 20347

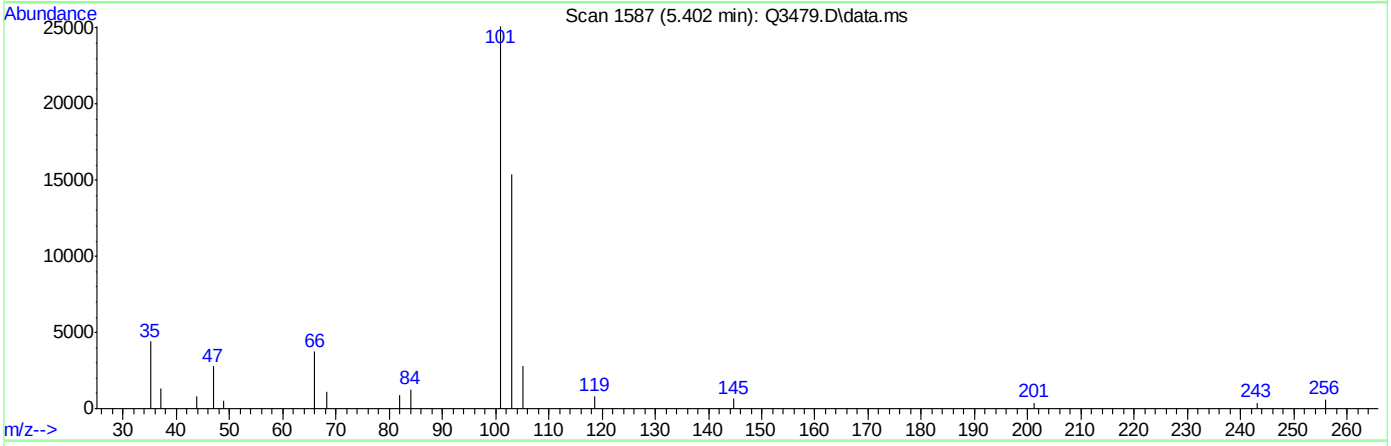
Ion	Exp%	Act%
101.00	100	100
103.00	0.00	148.24#
105.00	0.00	13.53
0.00	0.00	0.00

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

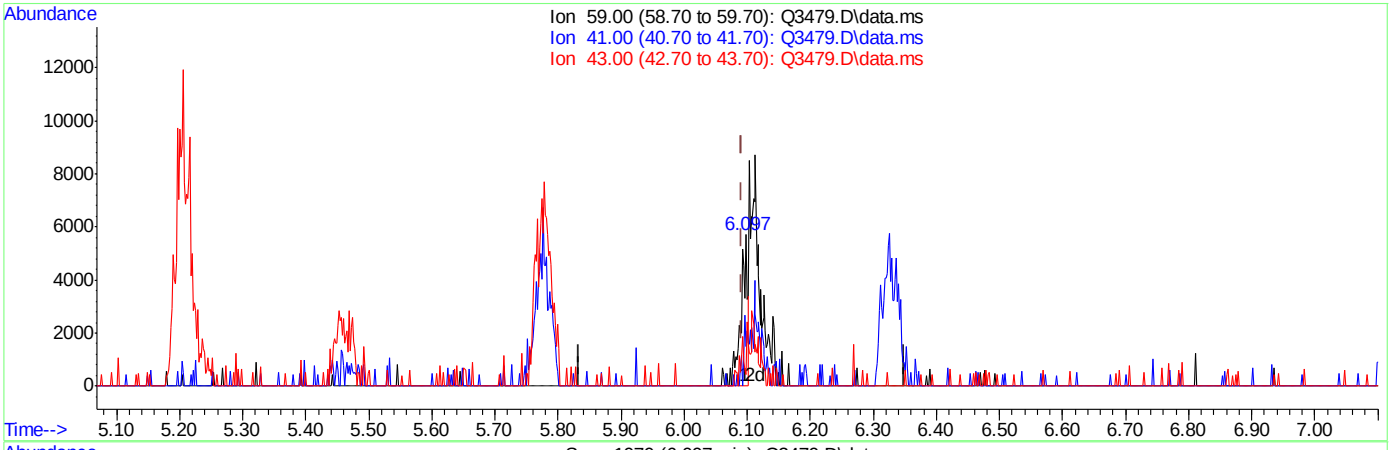
Ion	Exp%	Act%
101.00	100	100
103.00	0.00	65.78#
105.00	0.00	6.00
0.00	0.00	0.00

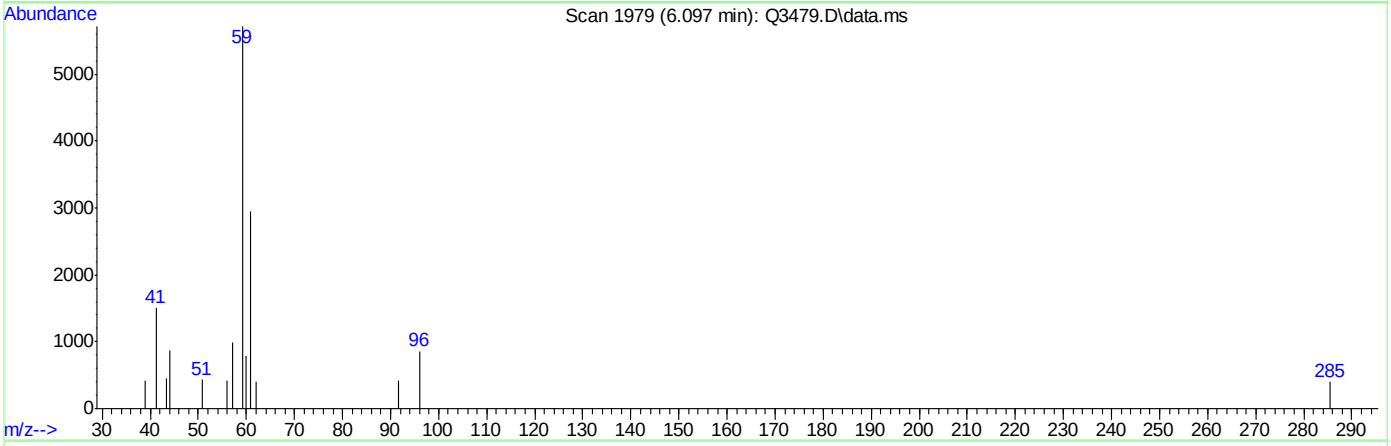
ACCUTEST Laboratories M65248

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

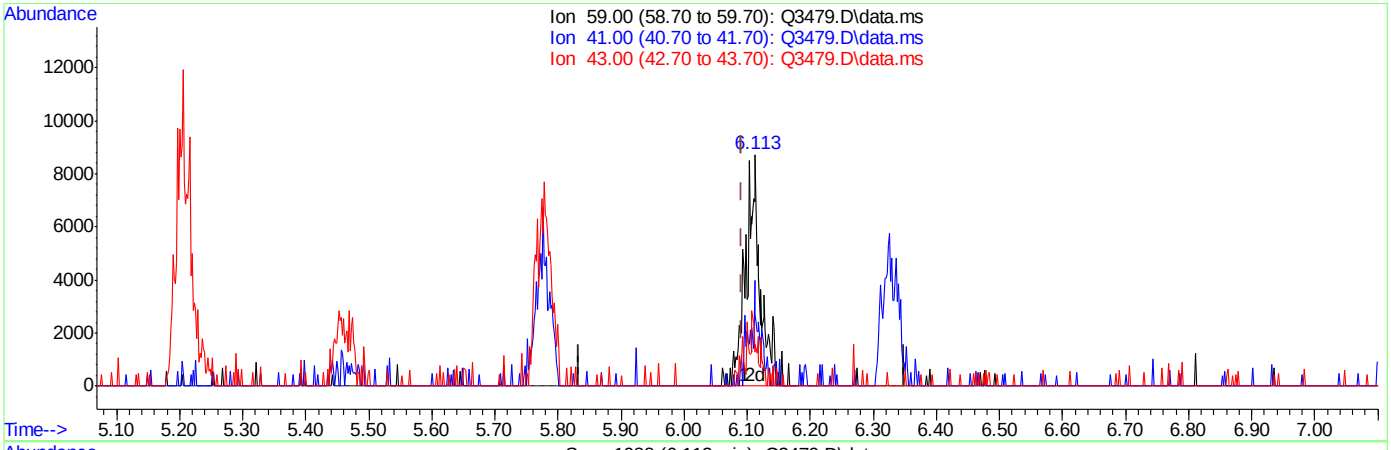
response 4114

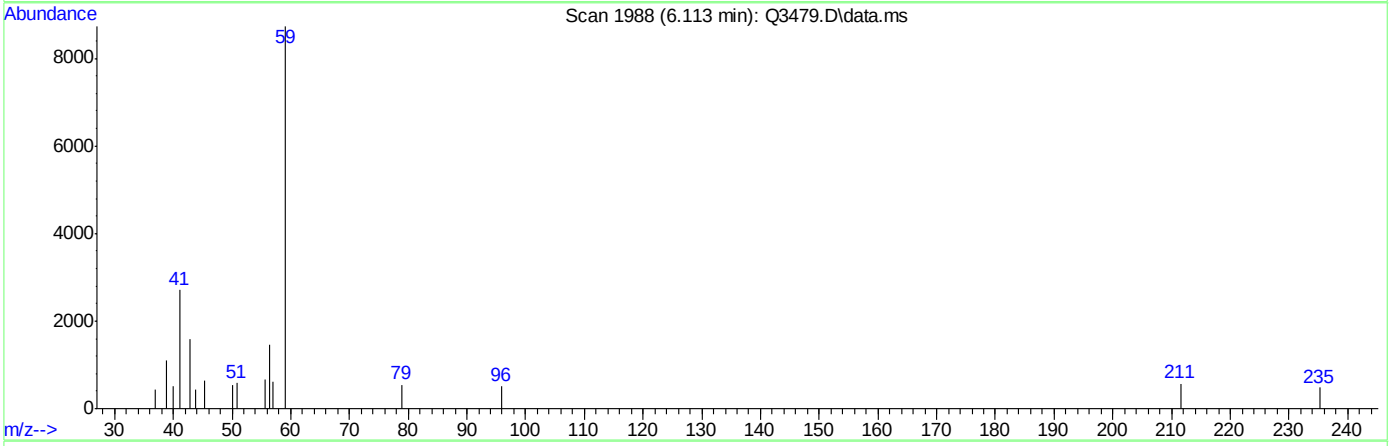
Ion	Exp%	Act%
59.00	100	100
41.00	0.00	0.00
43.00	0.00	21.44#
0.00	0.00	0.00

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

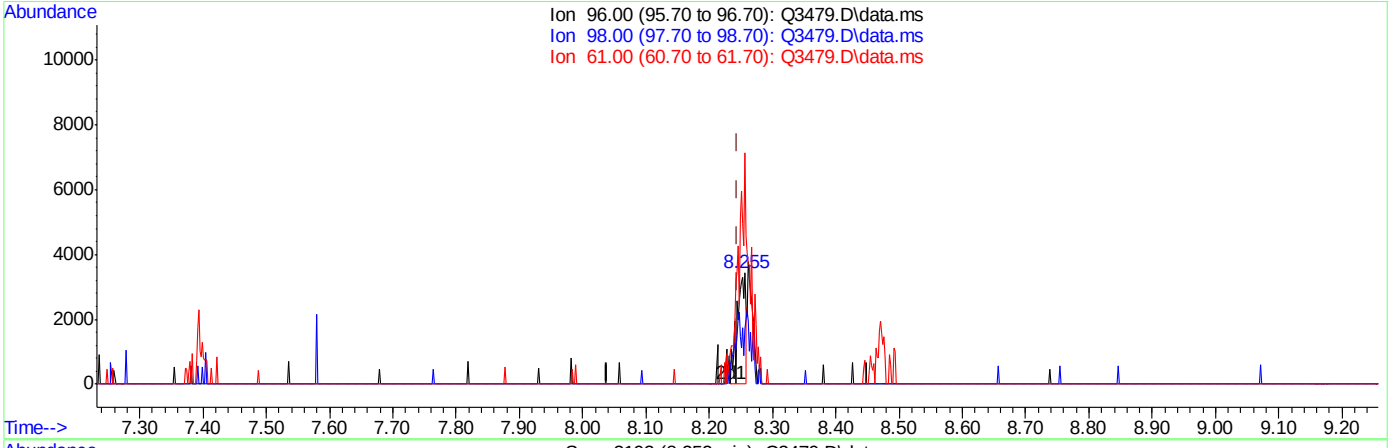
response 14564

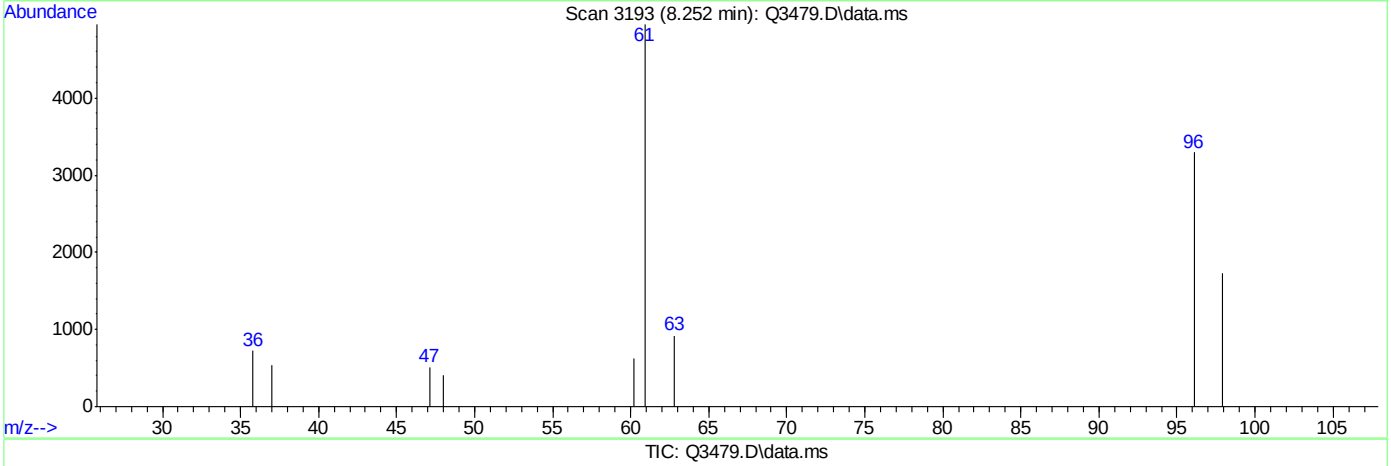
Ion	Exp%	Act%
59.00	100	100
41.00	0.00	0.00
43.00	0.00	6.06
0.00	0.00	0.00

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

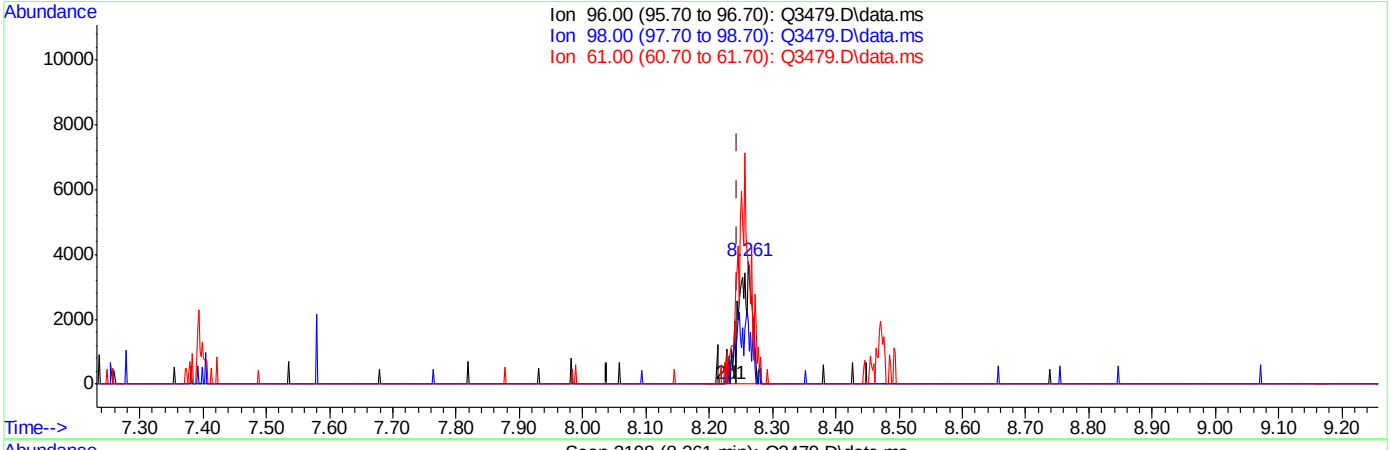
response 3128

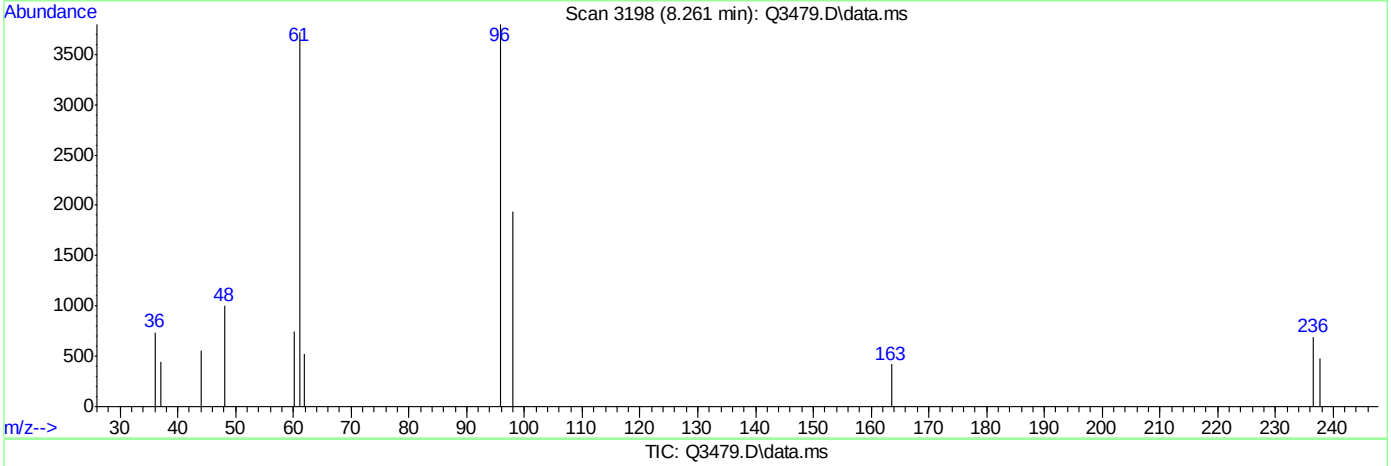
Ion	Exp%	Act%
96.00	100	100
98.00	0.00	51.15#
61.00	0.00	274.23#
0.00	0.00	0.00

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

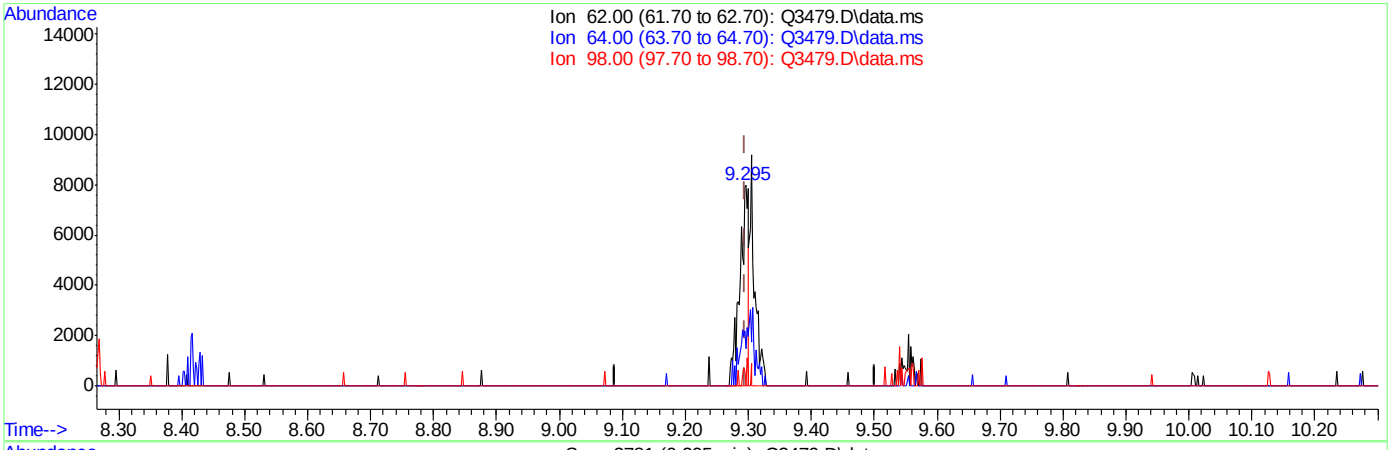
Ion	Exp%	Act%
96.00	100	100
98.00	0.00	27.36#
61.00	0.00	146.71#
0.00	0.00	0.00

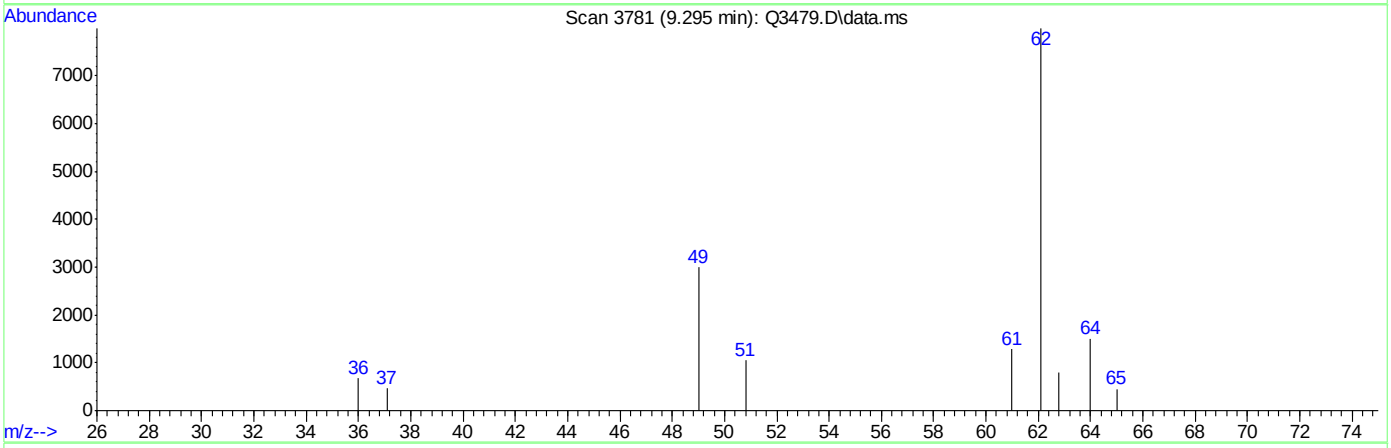
ACCUTEST Laboratories M65248

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

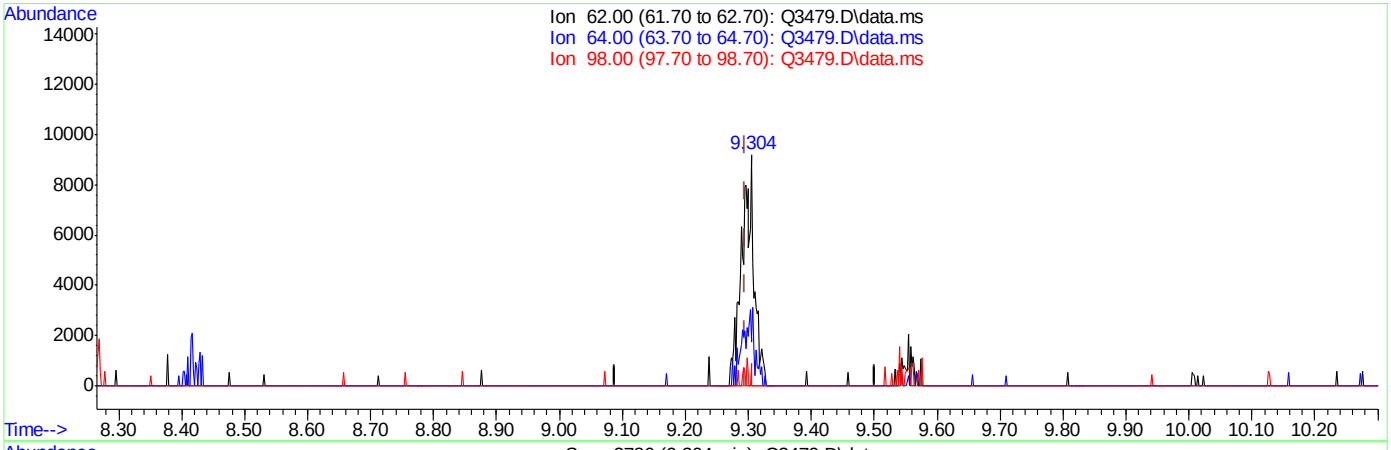
response 7963

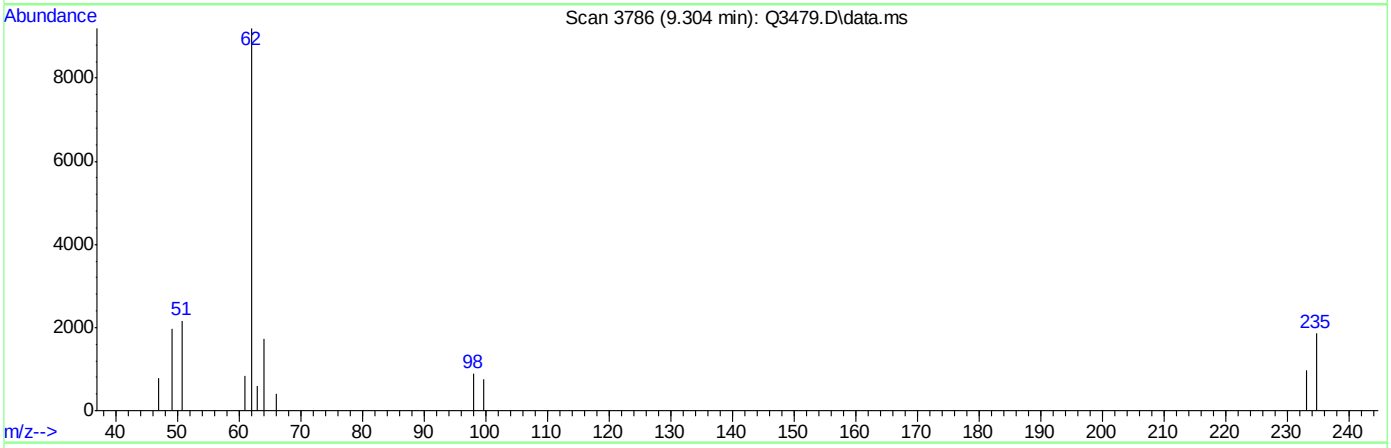
Ion	Exp%	Act%
62.00	100	100
64.00	30.70	47.75
98.00	4.60	5.73
0.00	0.00	0.00

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

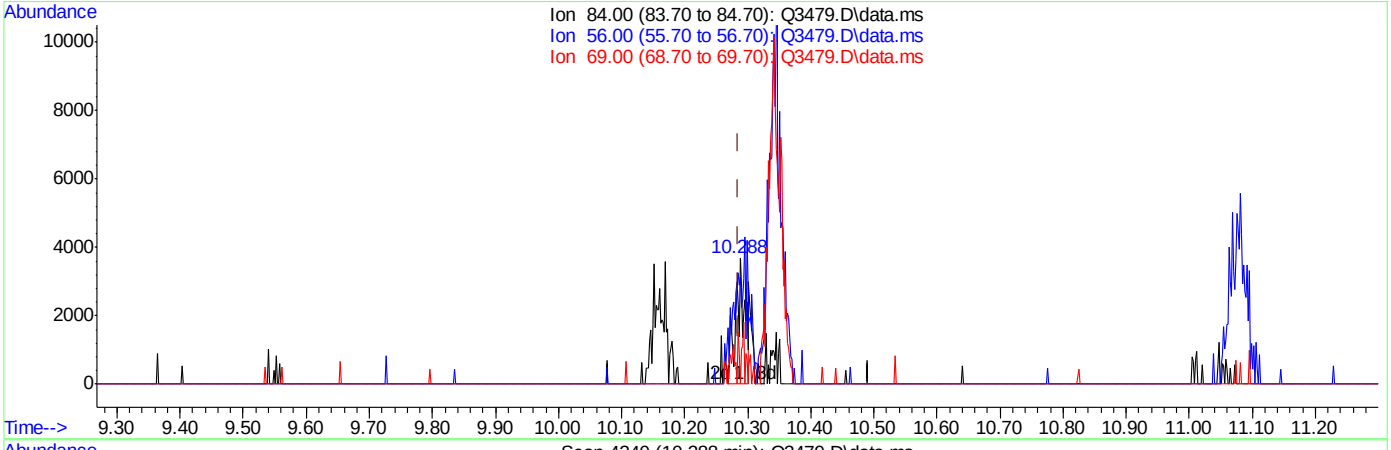
response 13422

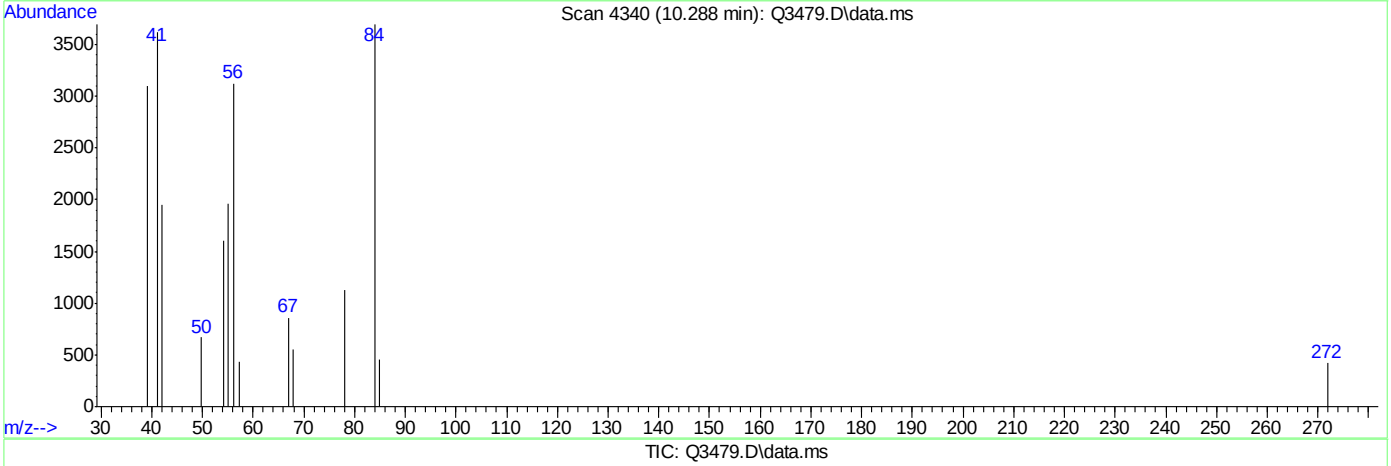
Ion	Exp%	Act%
62.00	100	100
64.00	30.70	28.33
98.00	4.60	3.40
0.00	0.00	0.00

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

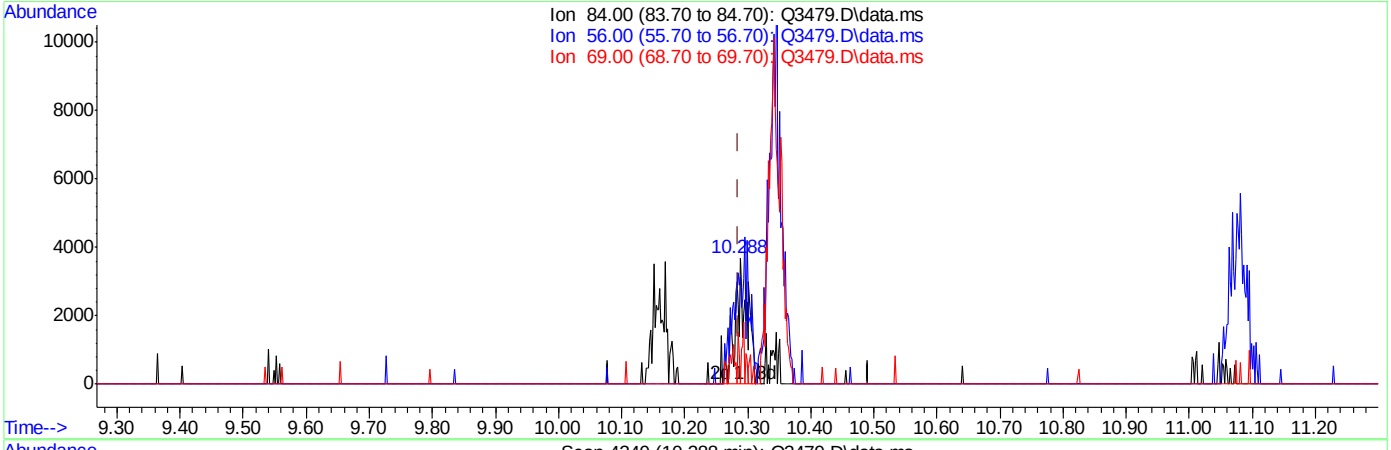
response 3593

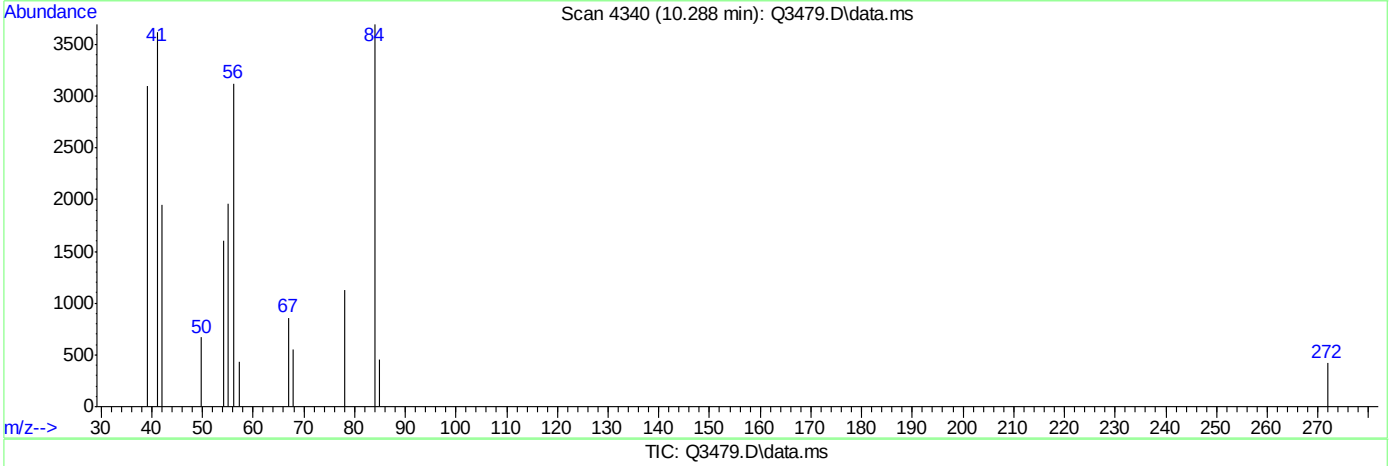
Ion	Exp%	Act%
84.00	100	100
56.00	106.20	127.39#
69.00	33.50	29.33
0.00	0.00	0.00

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

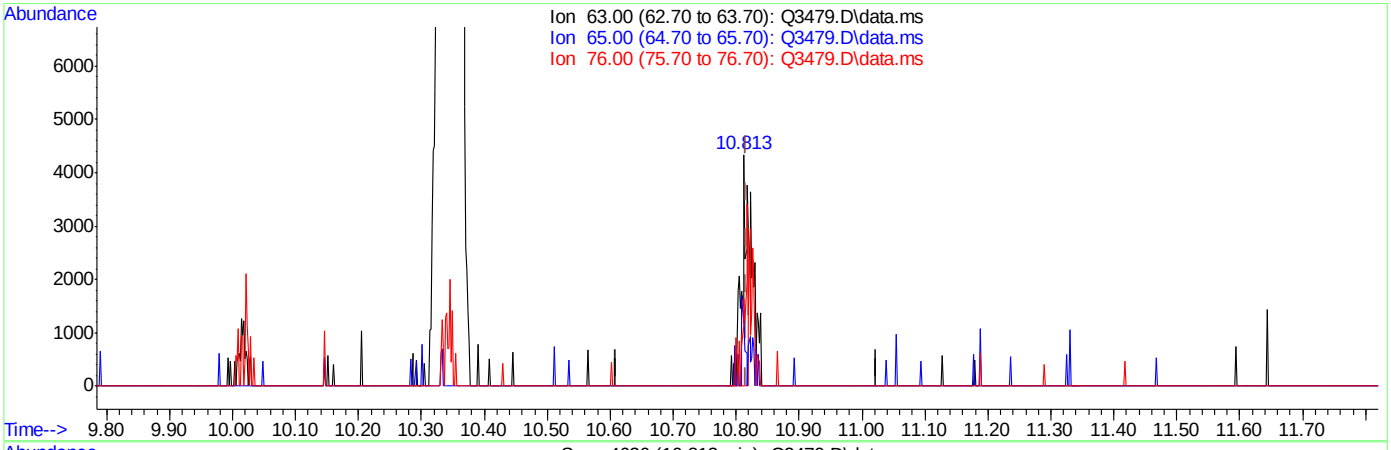
response 4975

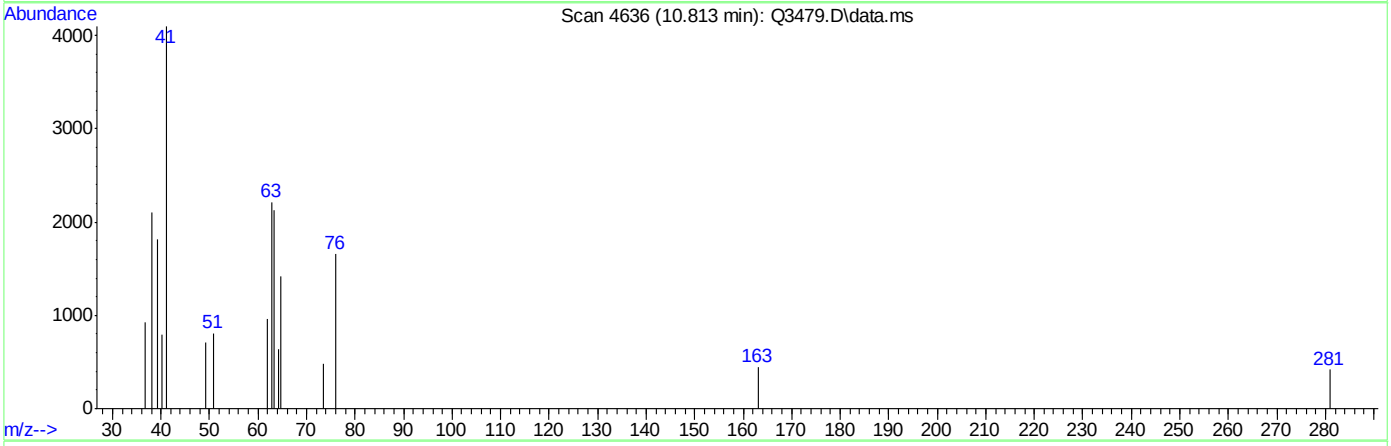
Ion	Exp%	Act%
84.00	100	100
56.00	106.20	92.00
69.00	33.50	21.19
0.00	0.00	0.00

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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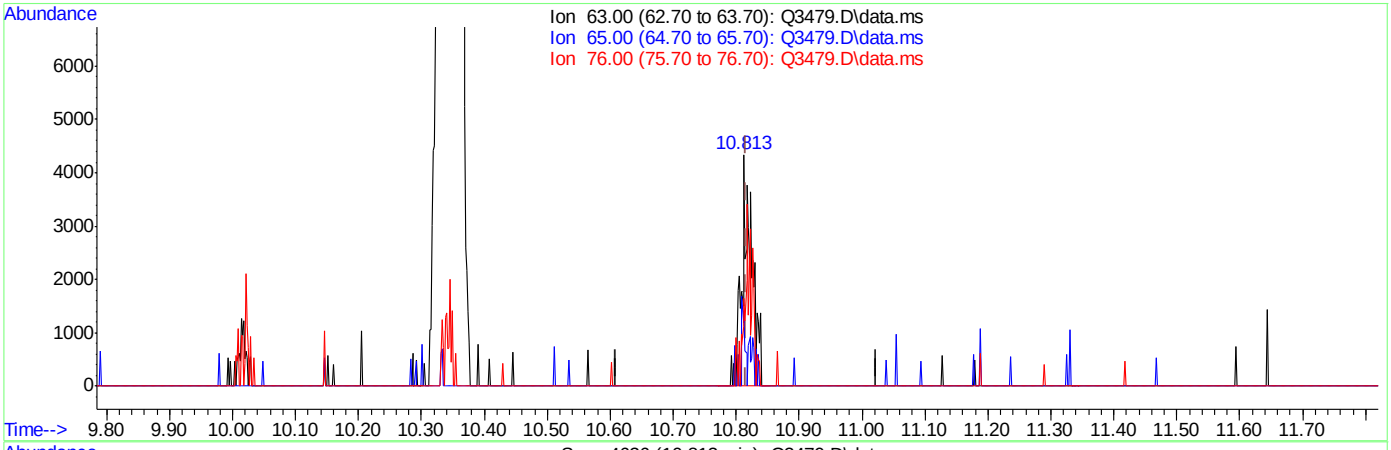
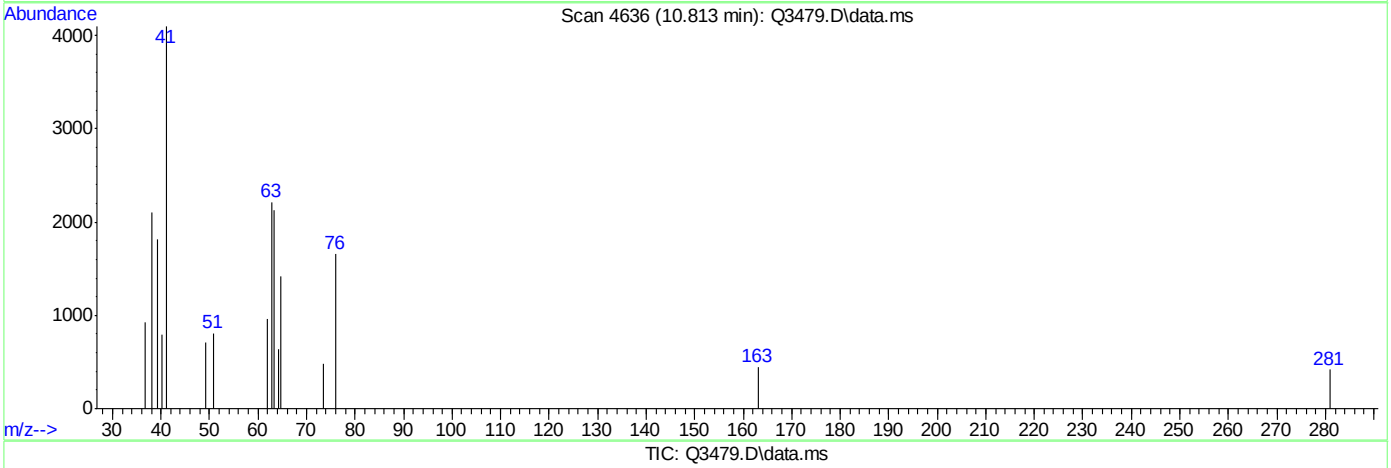
Quantitation Report (Qedit)

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

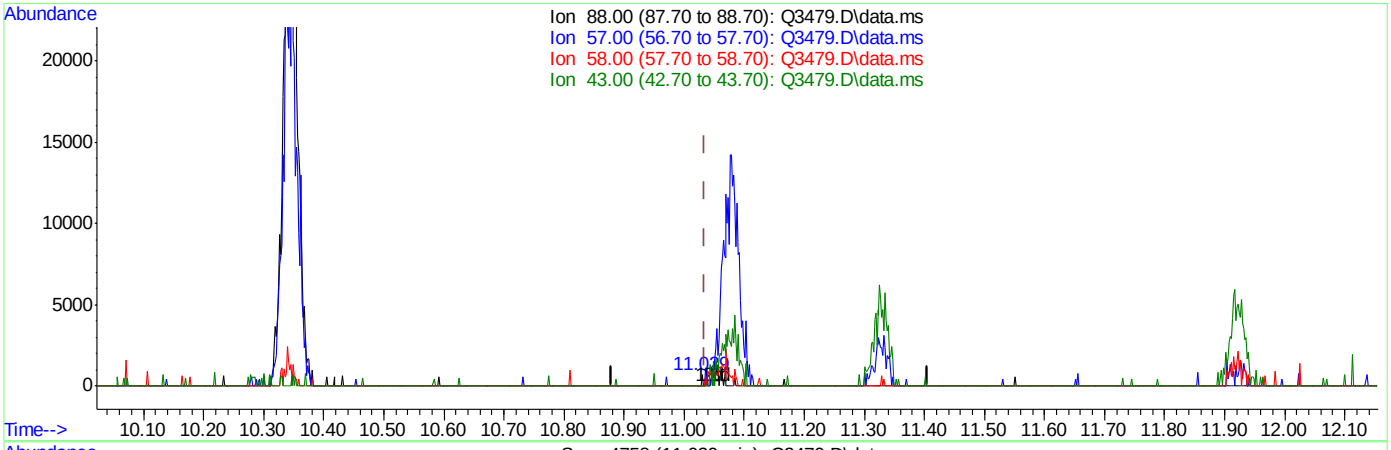
response 5084

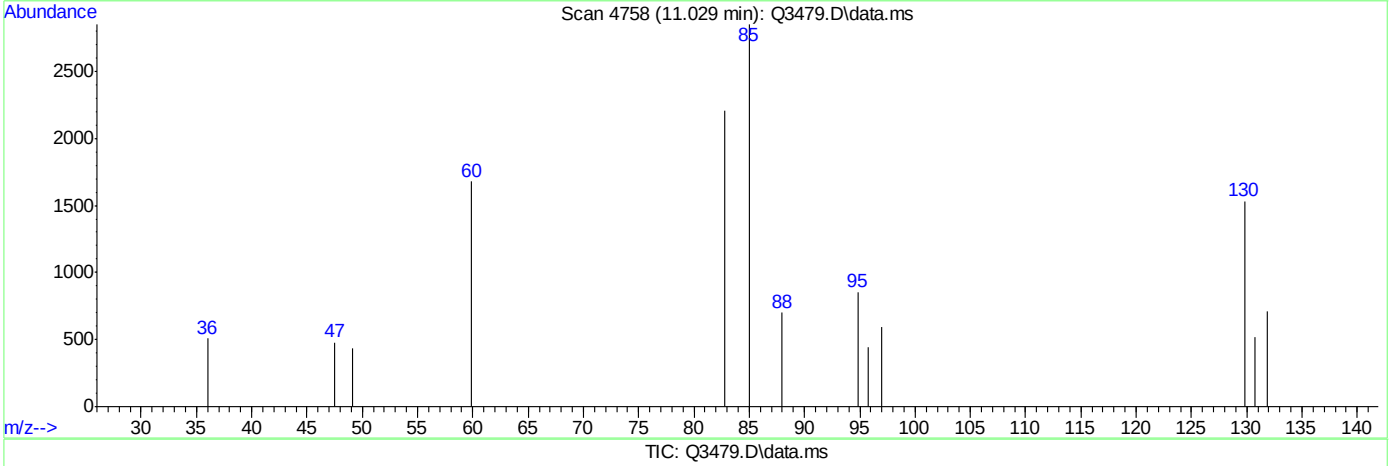
Ion	Exp%	Act%
63.00	100	100
65.00	30.30	25.00
76.00	92.00	34.30#
0.00	0.00	0.00

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

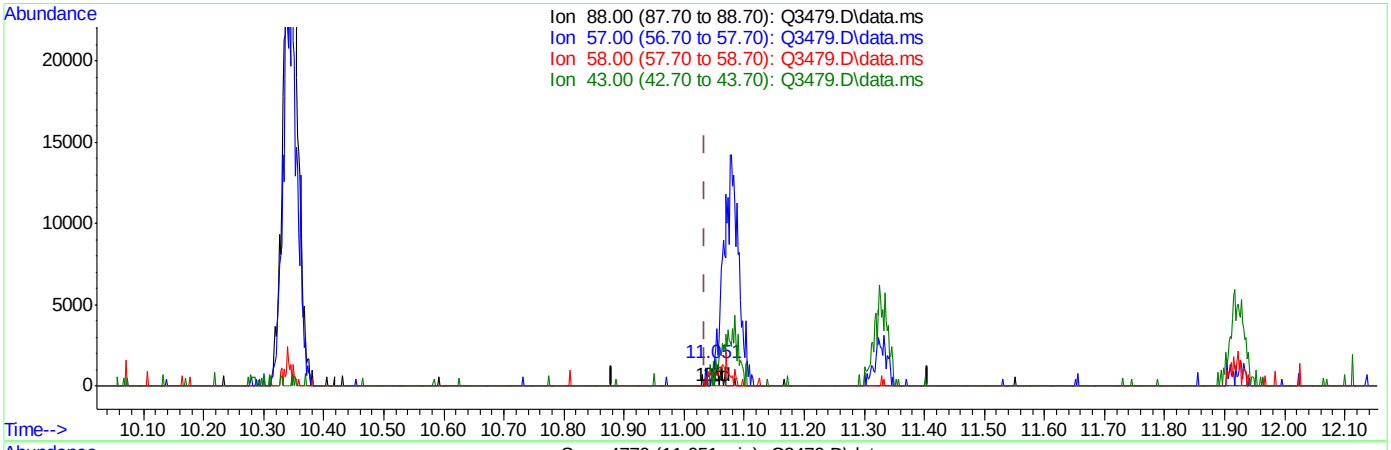
response 75

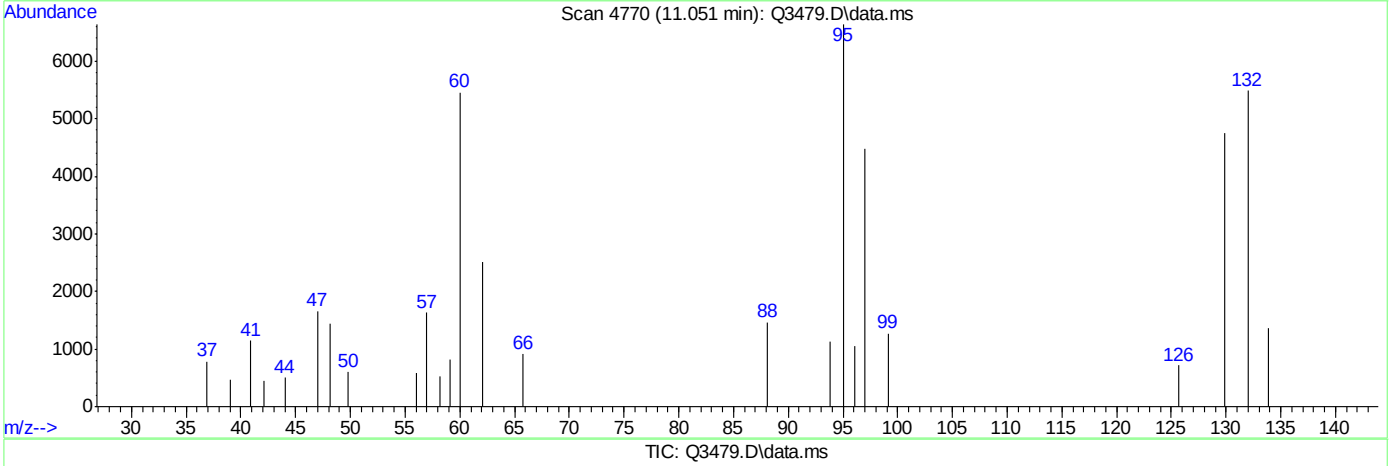
Ion	Exp%	Act%
88.00	100	100
57.00	23.90	0.00#
58.00	54.80	0.00#
43.00	32.10	0.00#

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

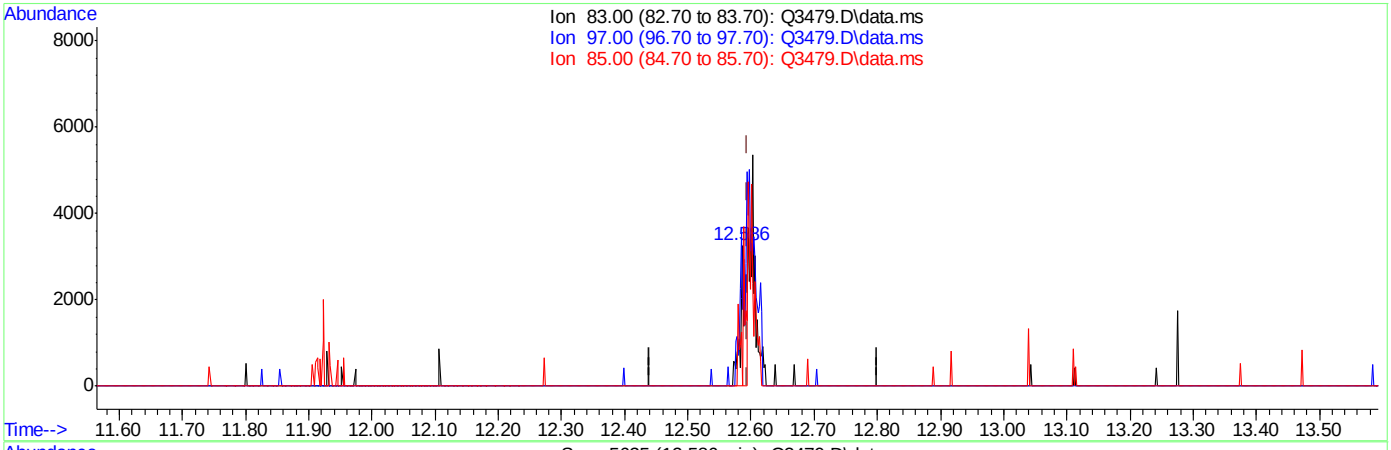
response 1388

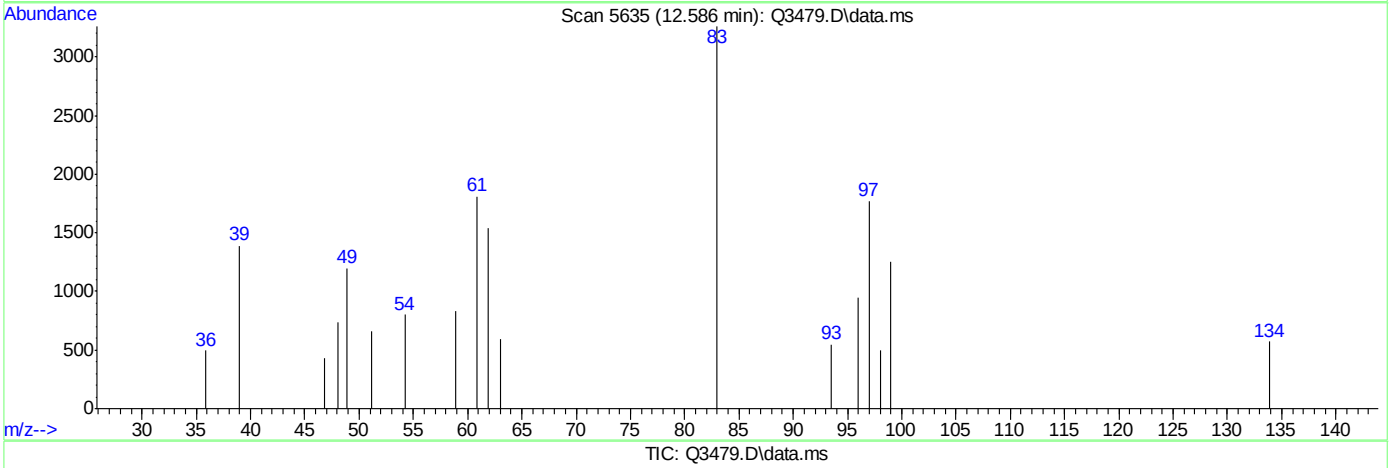
Ion	Exp%	Act%
88.00	100	100
57.00	23.90	111.84#
58.00	54.80	36.41
43.00	32.10	0.00#

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

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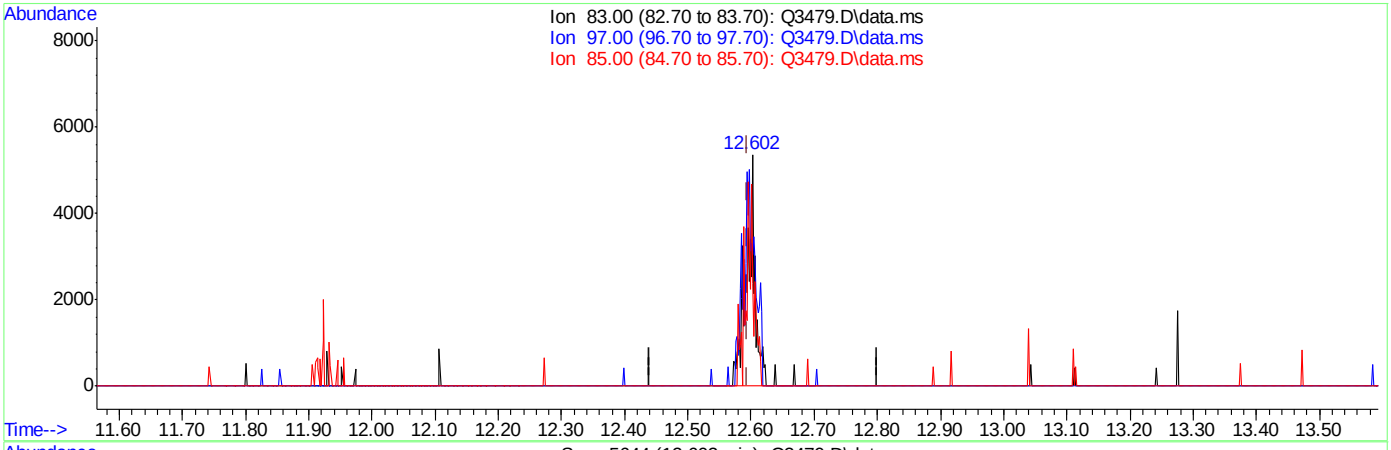
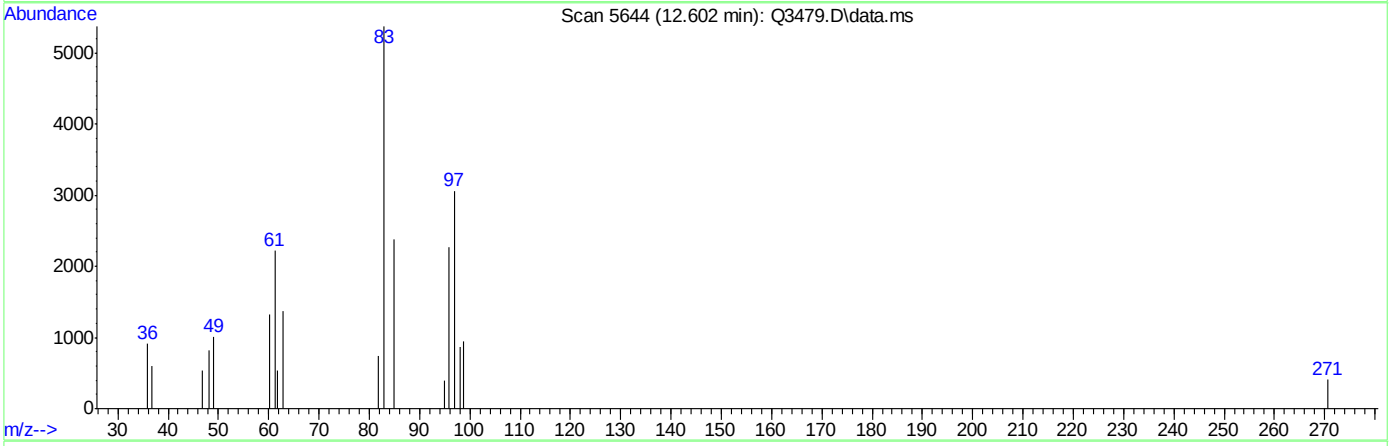
Quantitation Report (Qedit)

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

(48) 1,1,2-TRICHLOROETHANE (m)

12.602min (+0.007) 0.42PPBV m

response 5210

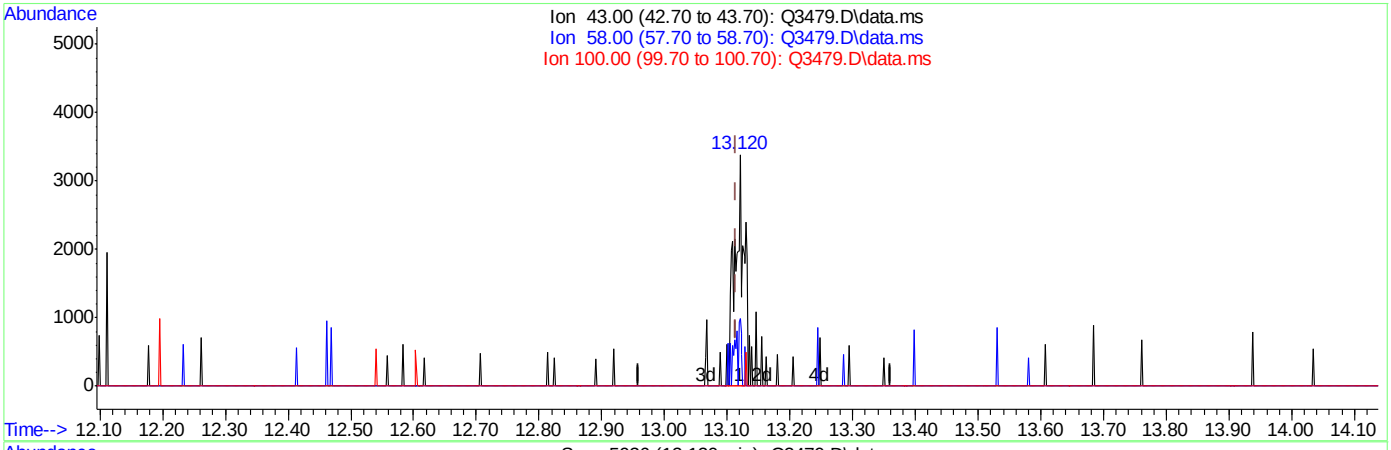
Ion	Exp%	Act%
83.00	100	100
97.00	121.10	0.00#
85.00	65.40	10.10#
0.00	0.00	0.00

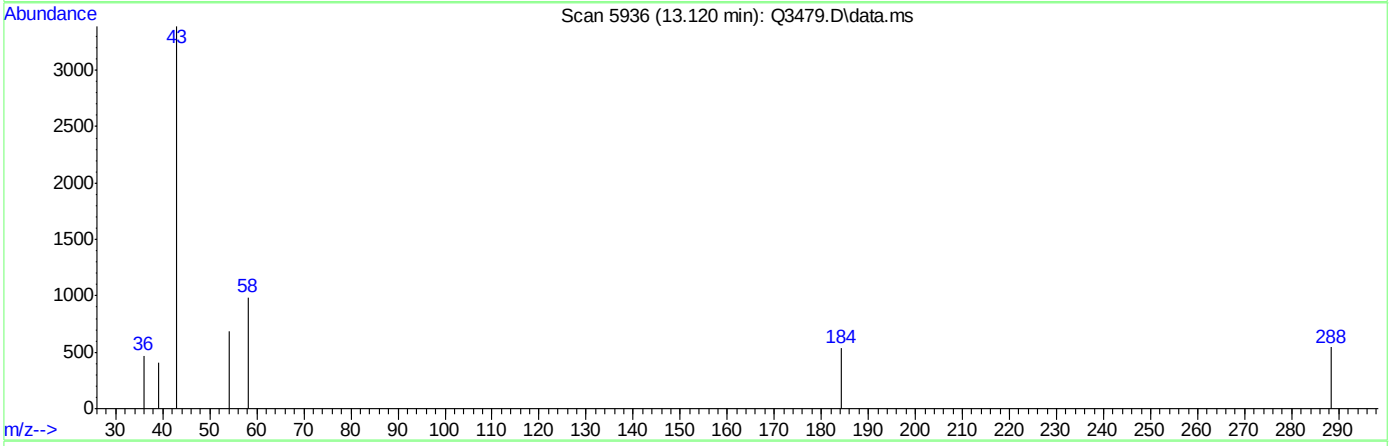
ACCUTEST Laboratories M65248

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

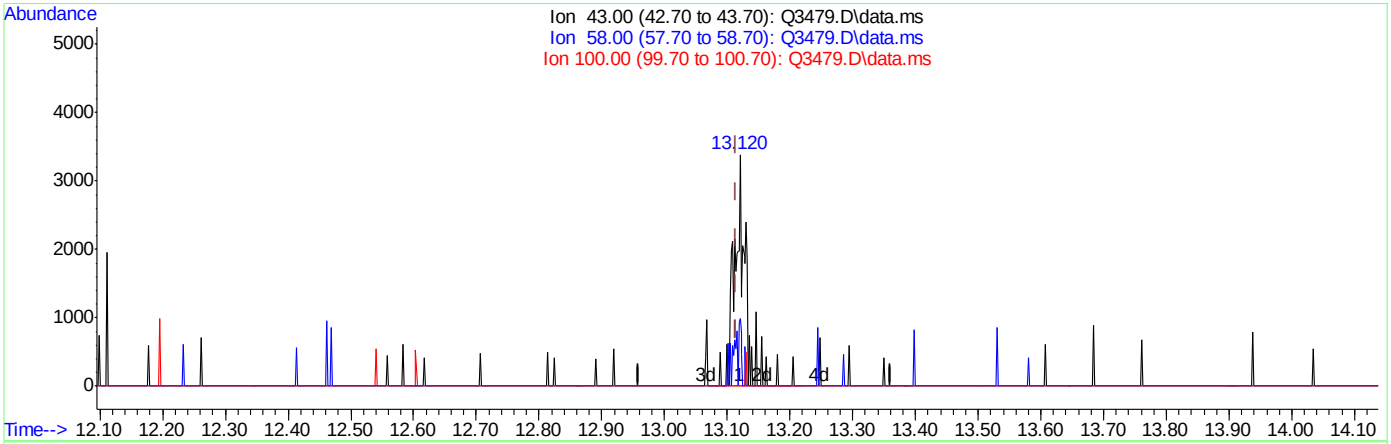
response 3596

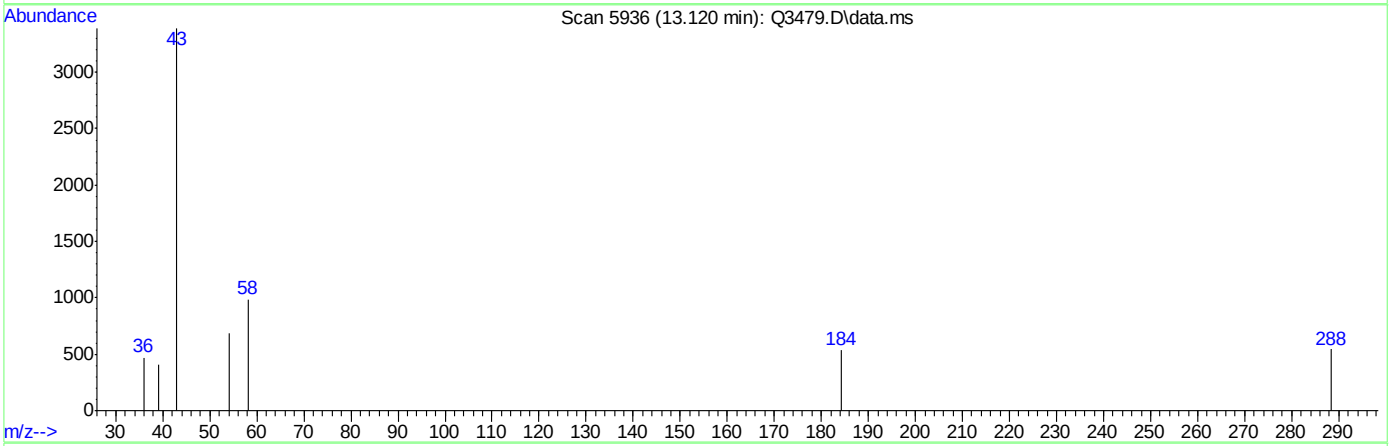
Ion	Exp%	Act%
43.00	100	100
58.00	40.40	11.15#
100.00	8.40	1.47
0.00	0.00	0.00

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

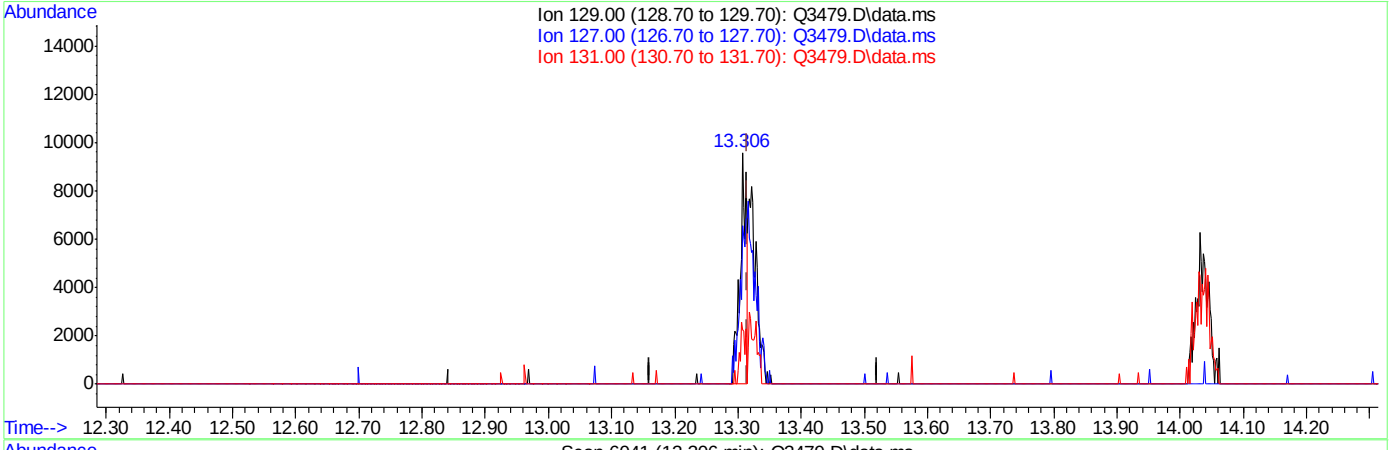
response 4045

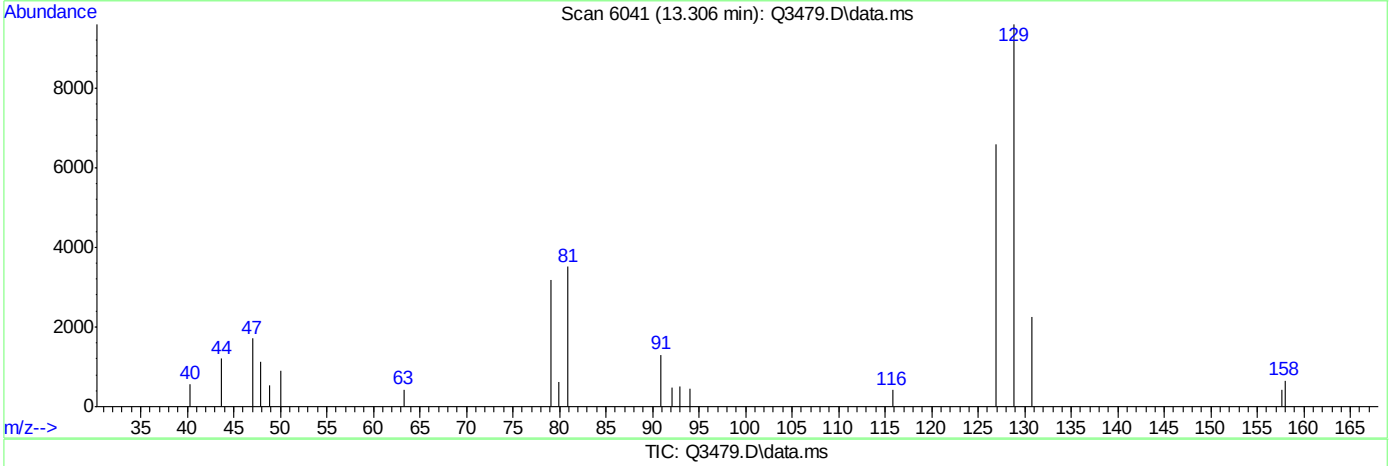
Ion	Exp%	Act%
43.00	100	100
58.00	40.40	9.91#
100.00	8.40	1.31
0.00	0.00	0.00

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





TIC: Q3479.D\data.ms

(52) DIBROMOCHLOROMETHANE (m)

13.306min (-0.009) 0.19PPBV

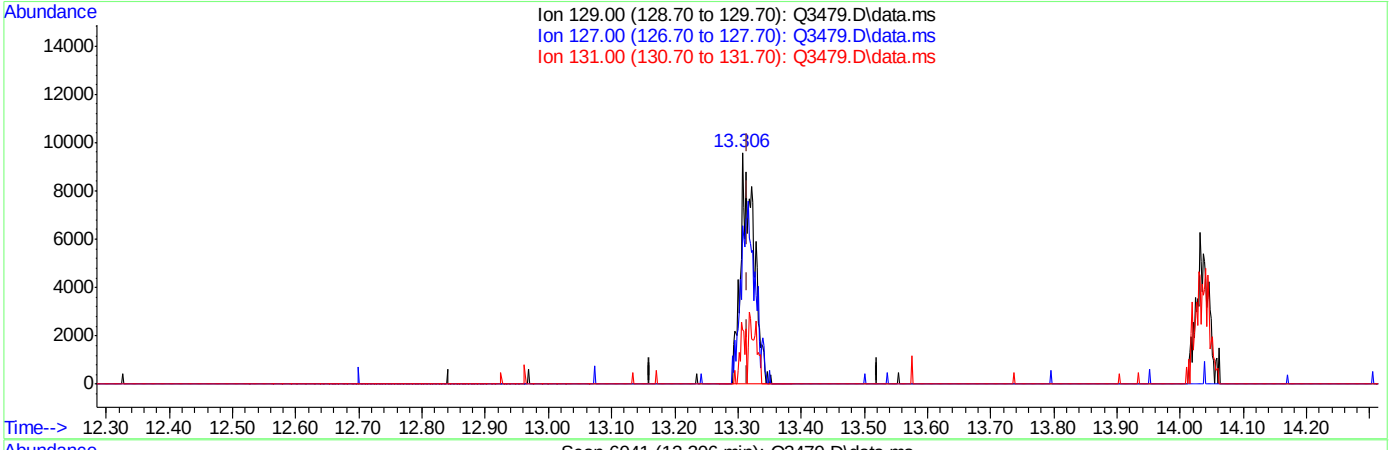
response 6667

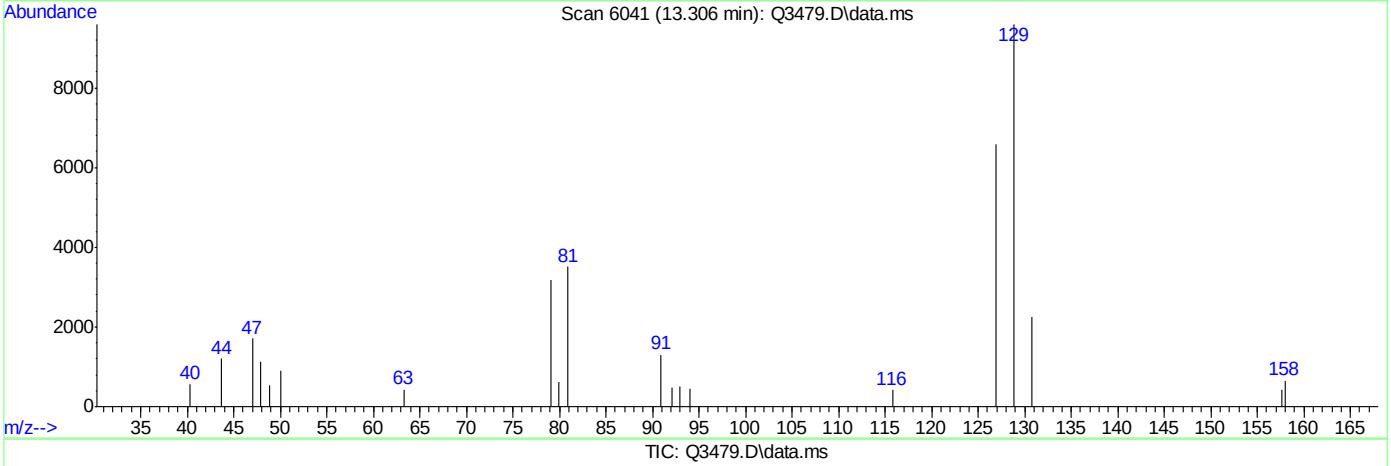
Ion	Exp%	Act%
129.00	100	100
127.00	78.00	0.00#
131.00	25.60	22.06
0.00	0.00	0.00

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

(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

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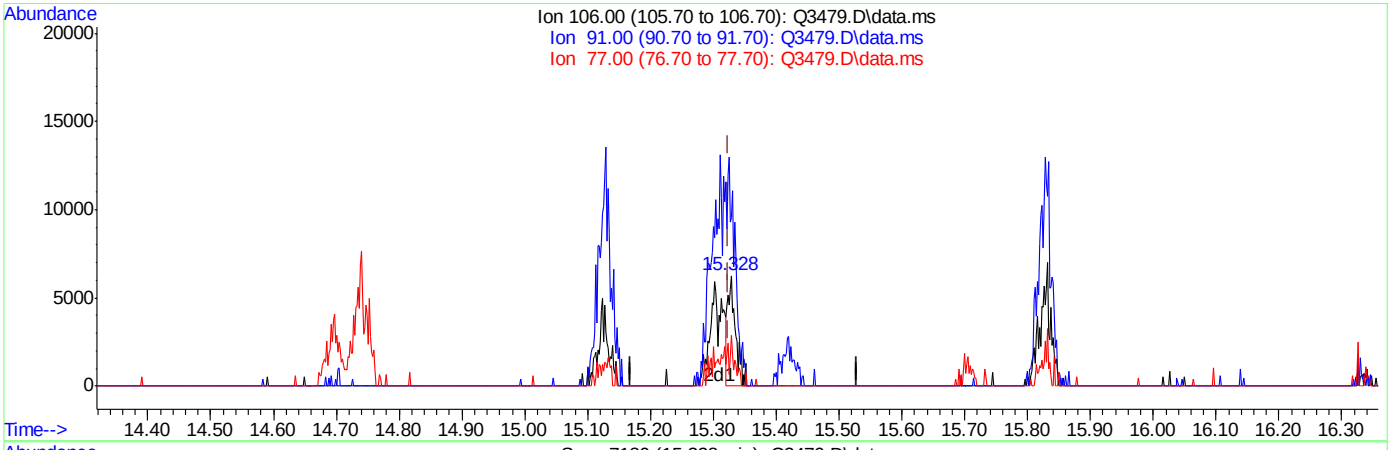
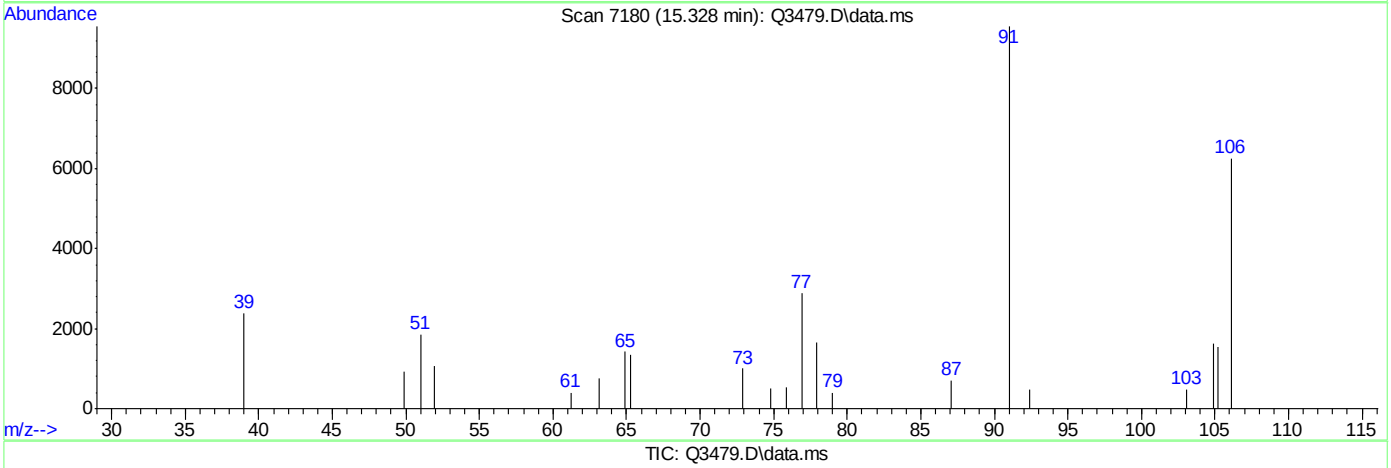
Quantitation Report (Qedit)

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

(56) m,p-XYLENE (m)

15.328min (+0.004) 0.28PPBV

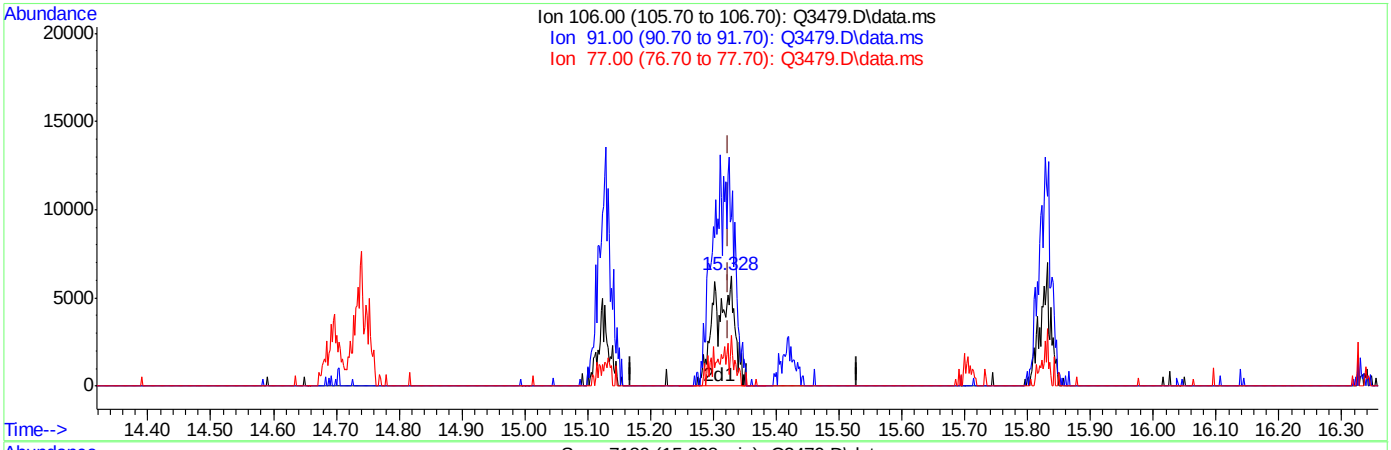
response 5501

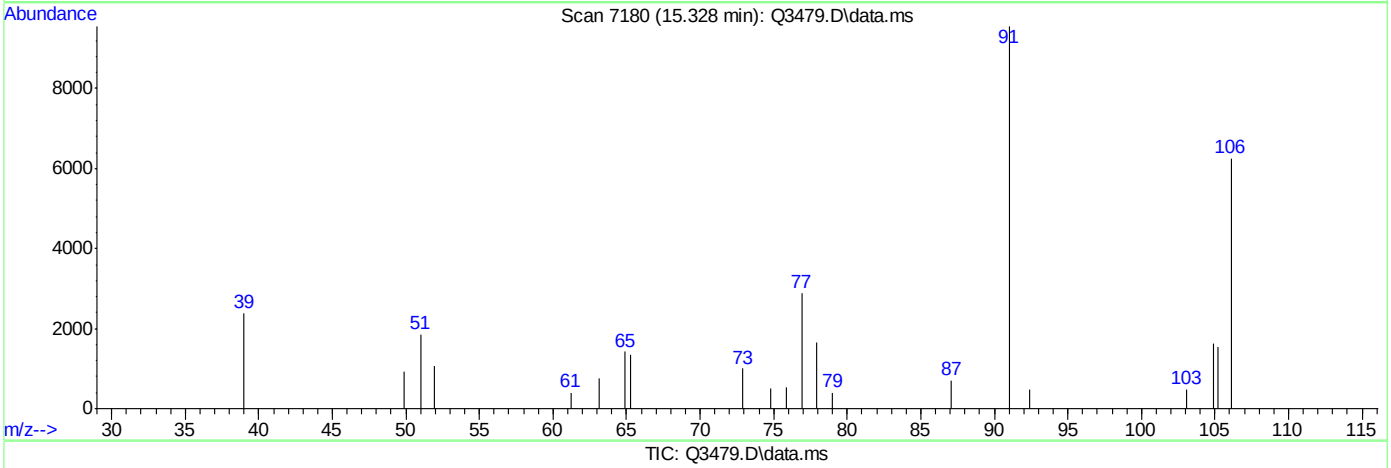
Ion	Exp%	Act%
106.00	100	100
91.00	204.20	152.59#
77.00	30.60	46.17#
0.00	0.00	0.00

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

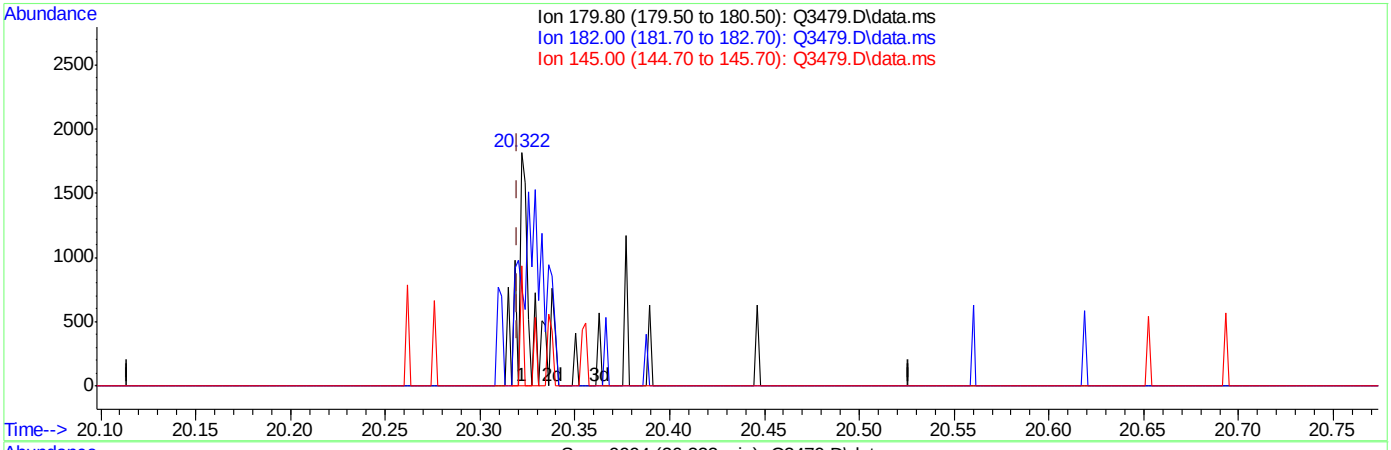
response 13556

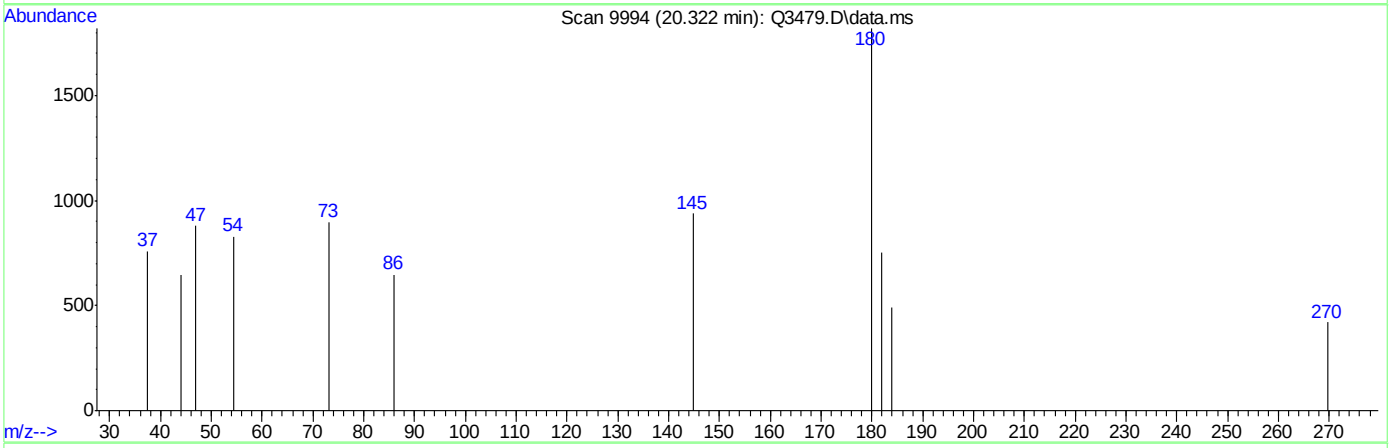
Ion	Exp%	Act%
106.00	100	100
91.00	204.20	152.59#
77.00	30.60	46.17#
0.00	0.00	0.00

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

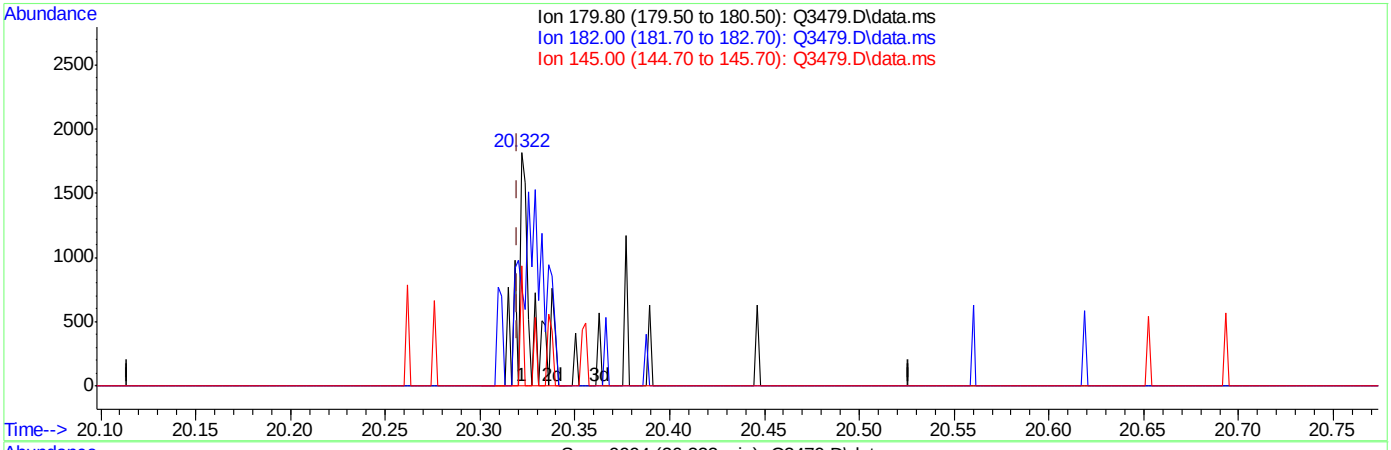
response 598

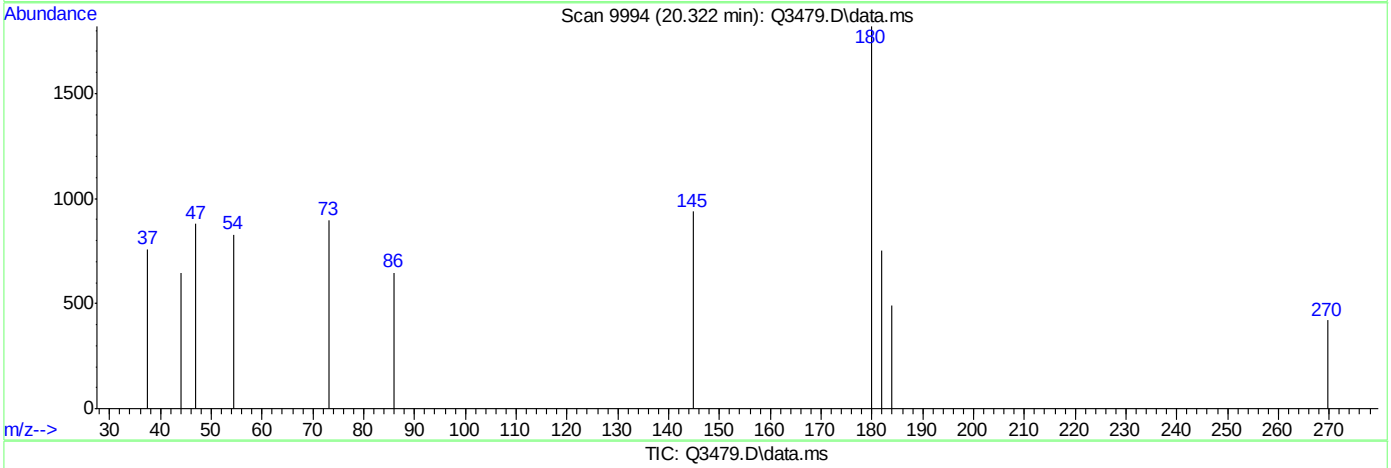
Ion	Exp%	Act%
179.80	100	100
182.00	91.20	26.09#
145.00	35.30	0.00#
0.00	0.00	0.00

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

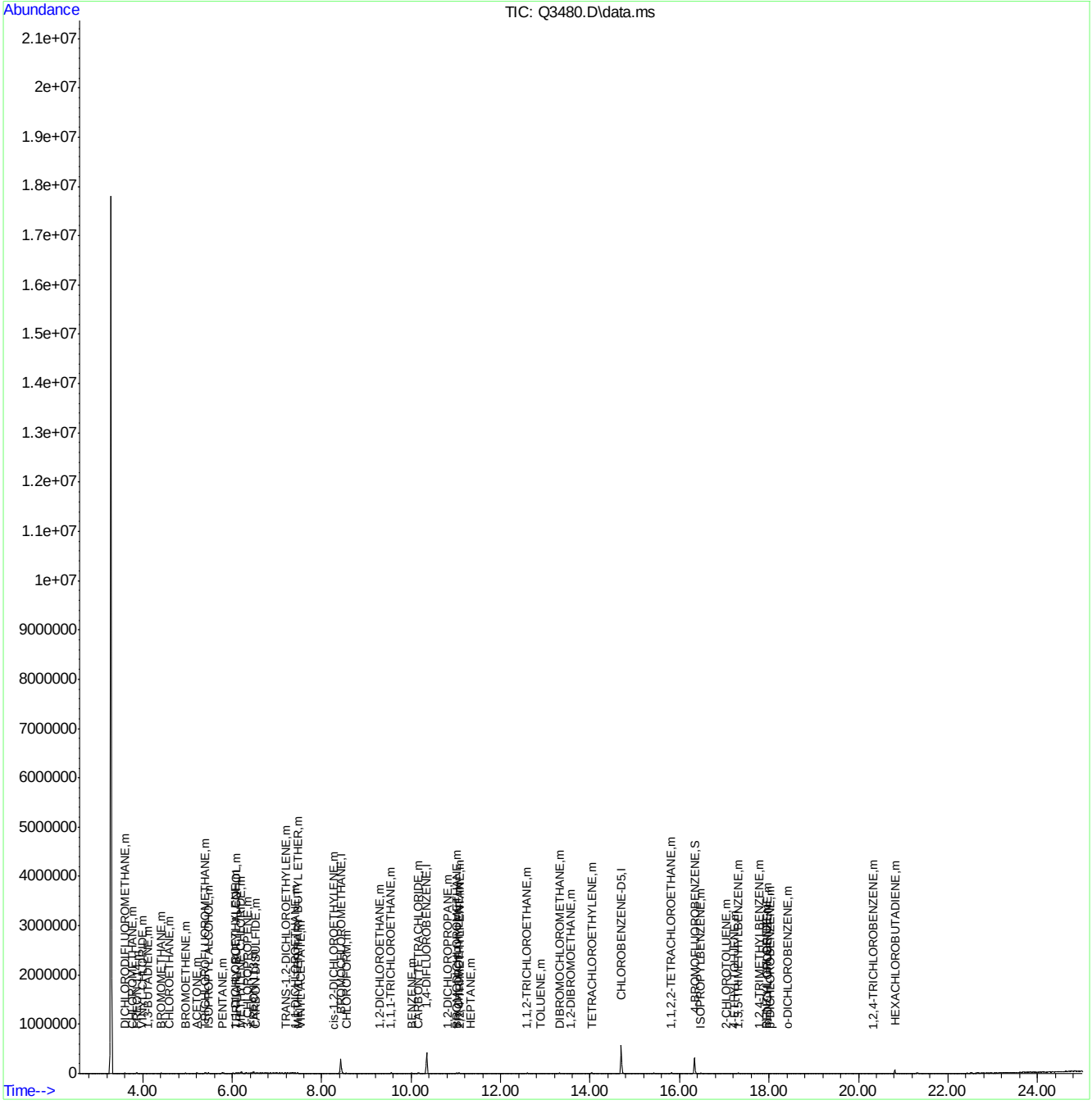
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
65) 4-ETHYLTOLUENE	17.223	105	2006m	0.06	PPBV		
66) 1,3,5-TRIMETHYLBENZENE	17.308	105	2777	0.09	PPBV		83
67) 1,2,4-TRIMETHYLBENZENE	17.775	105	1781	0.06	PPBV	#	88
68) m-DICHLOROBENZENE	17.960	146	685m	0.04	PPBV		
69) BENZYL CHLORIDE	17.937	91	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



ACCUTEST Laboratories M65248

Quantitation Report (Qedit)

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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
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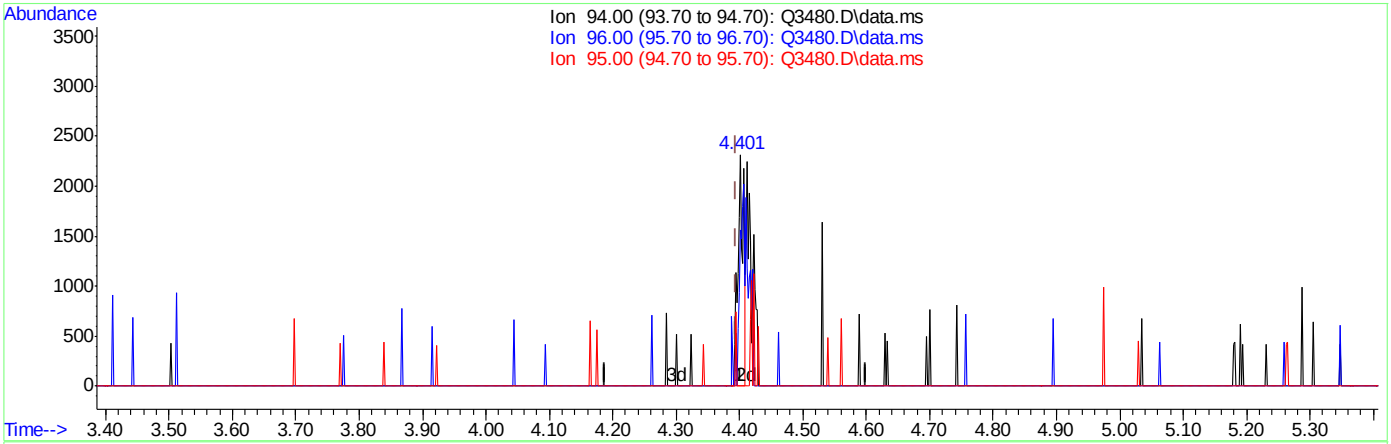
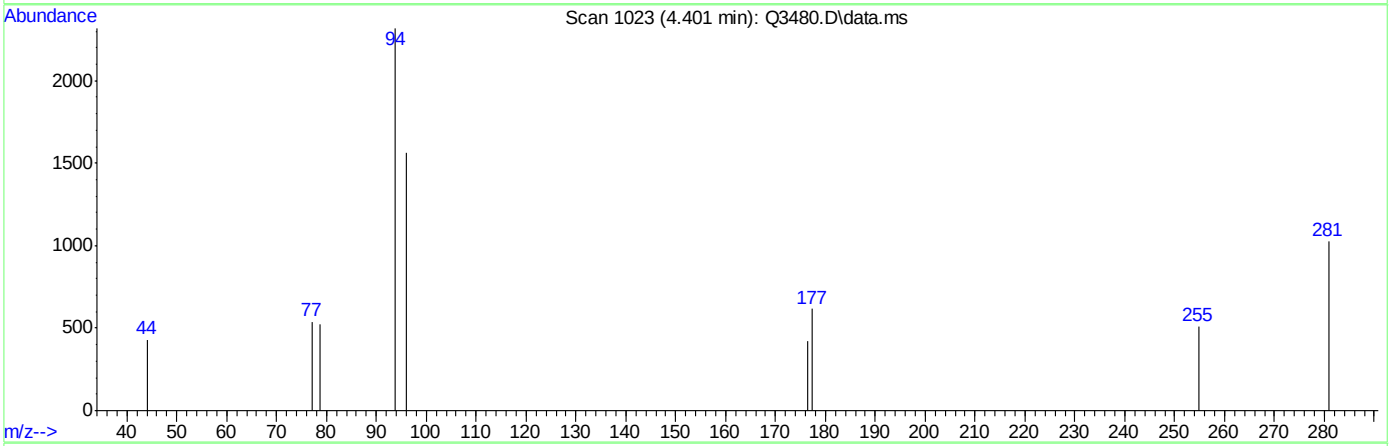




TIC: Q3480.D\data.ms

(8) BROMOMETHANE (m)

4.401min (+0.006) 0.14PPBV

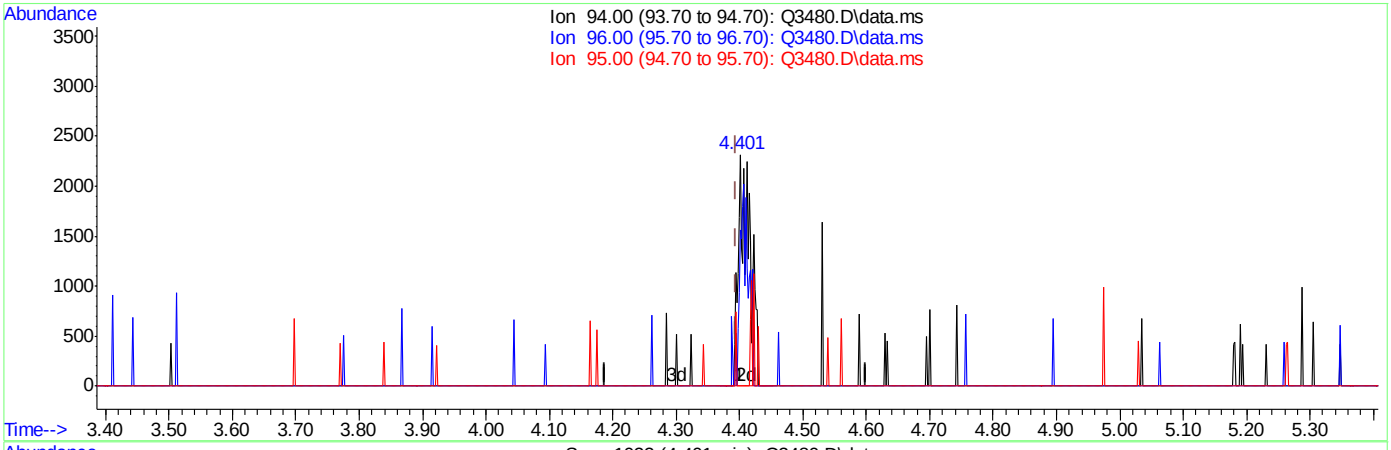
response 1429

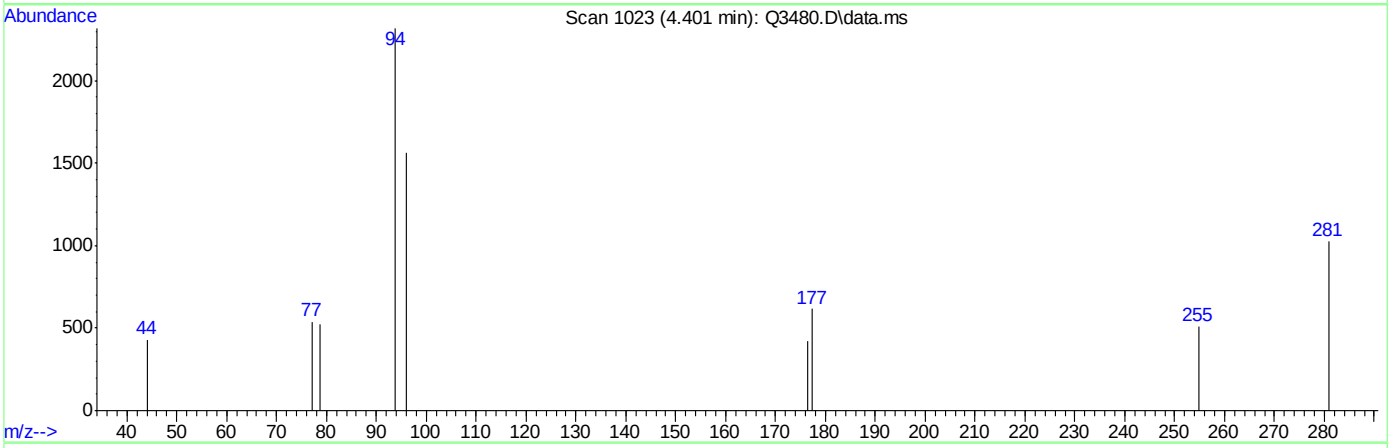
Ion	Exp%	Act%
94.00	100	100
96.00	0.00	0.00
95.00	0.00	5.53
0.00	0.00	0.00

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

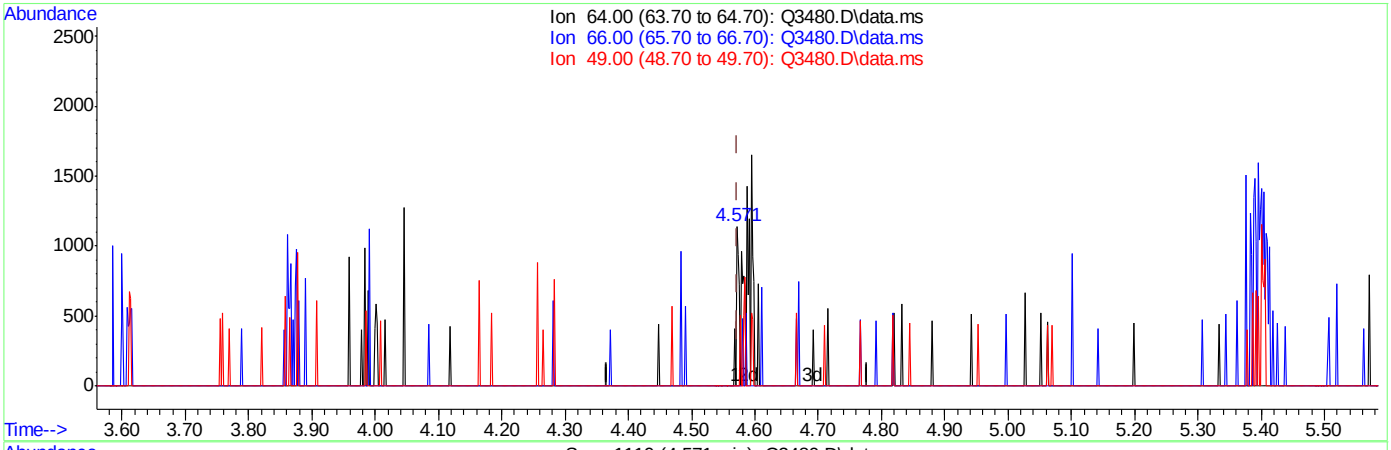
response 2892

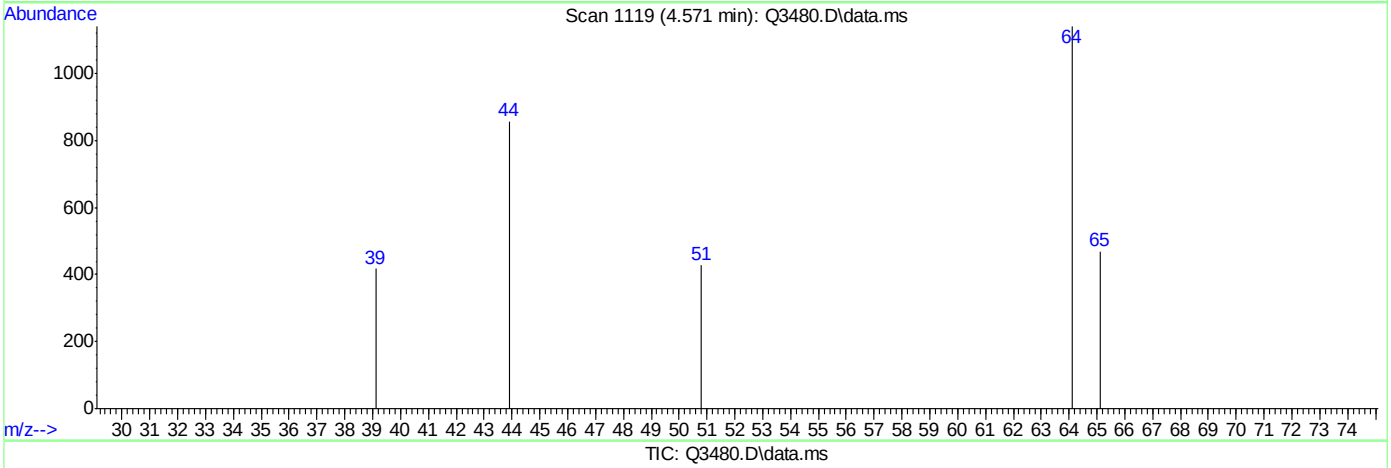
Ion	Exp%	Act%
94.00	100	100
96.00	0.00	0.00
95.00	0.00	2.73
0.00	0.00	0.00

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

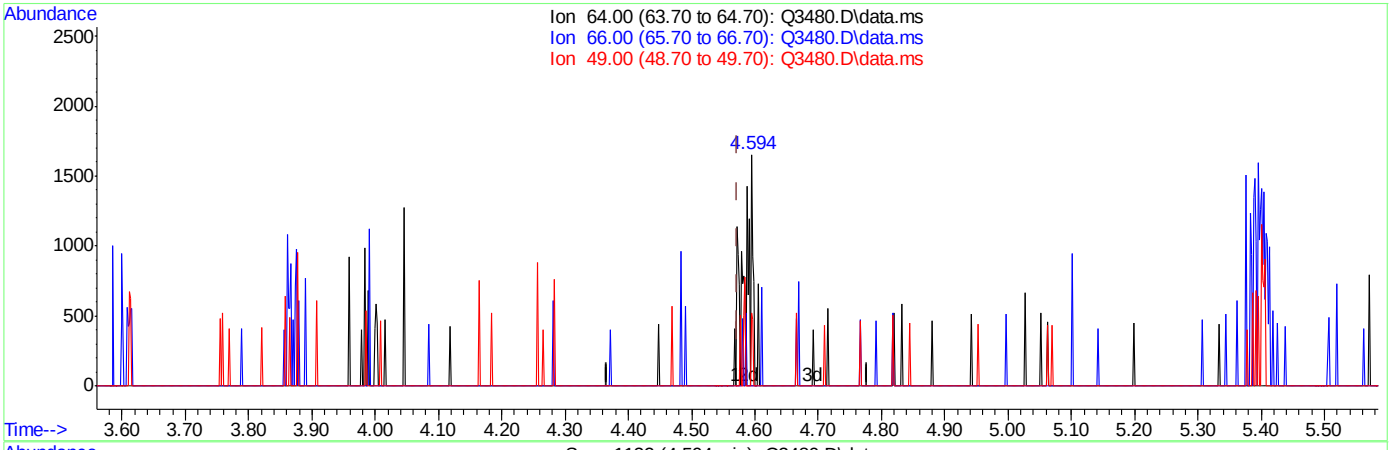
response 683

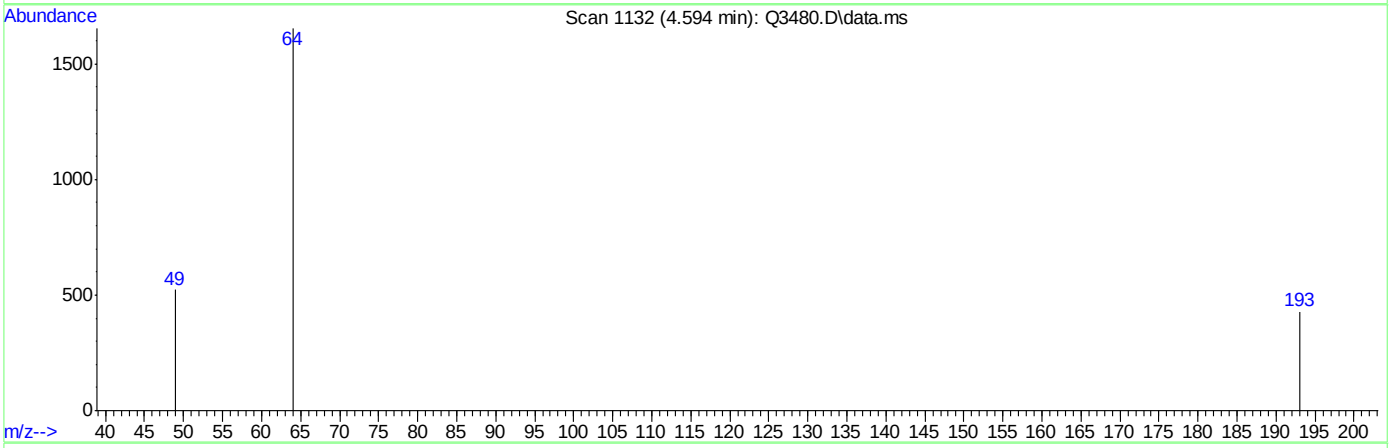
Ion	Exp%	Act%
64.00	100	100
66.00	0.00	15.81
49.00	0.00	27.96#
0.00	0.00	0.00

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

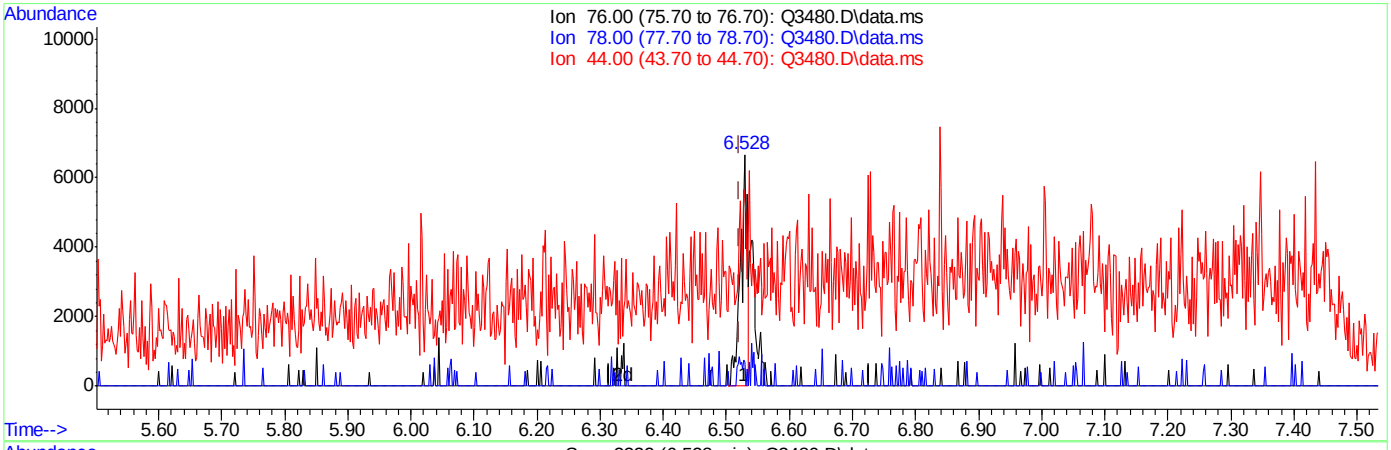
response 1343

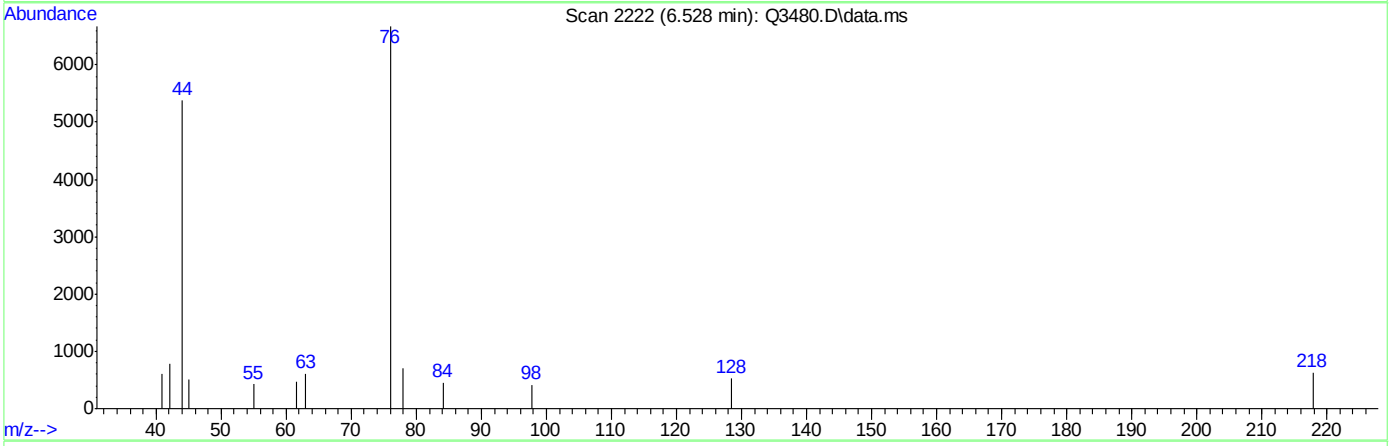
Ion	Exp%	Act%
64.00	100	100
66.00	0.00	8.04
49.00	0.00	14.22
0.00	0.00	0.00

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

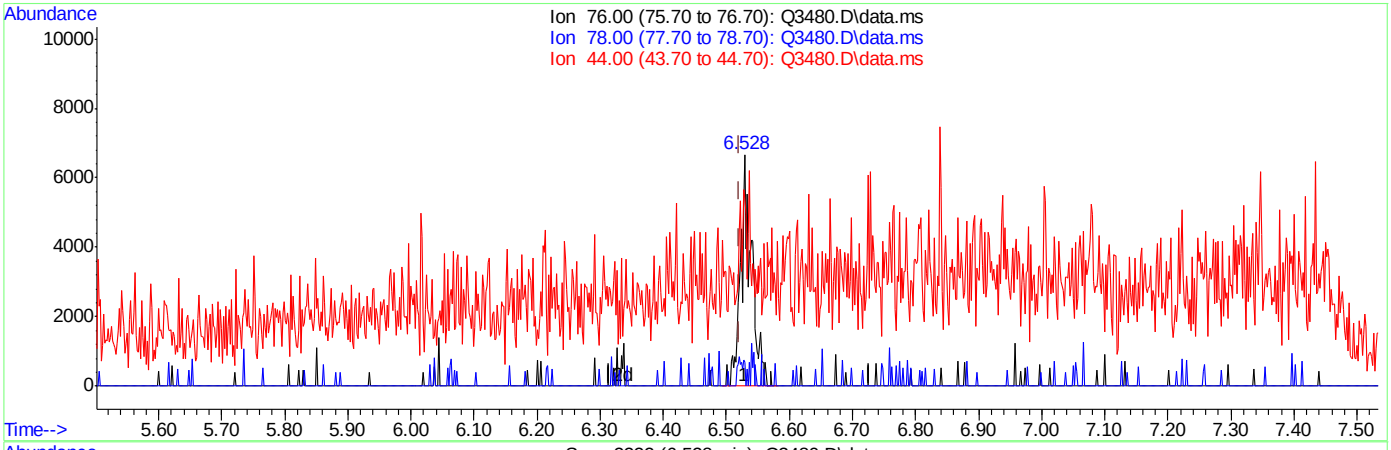
response 4815

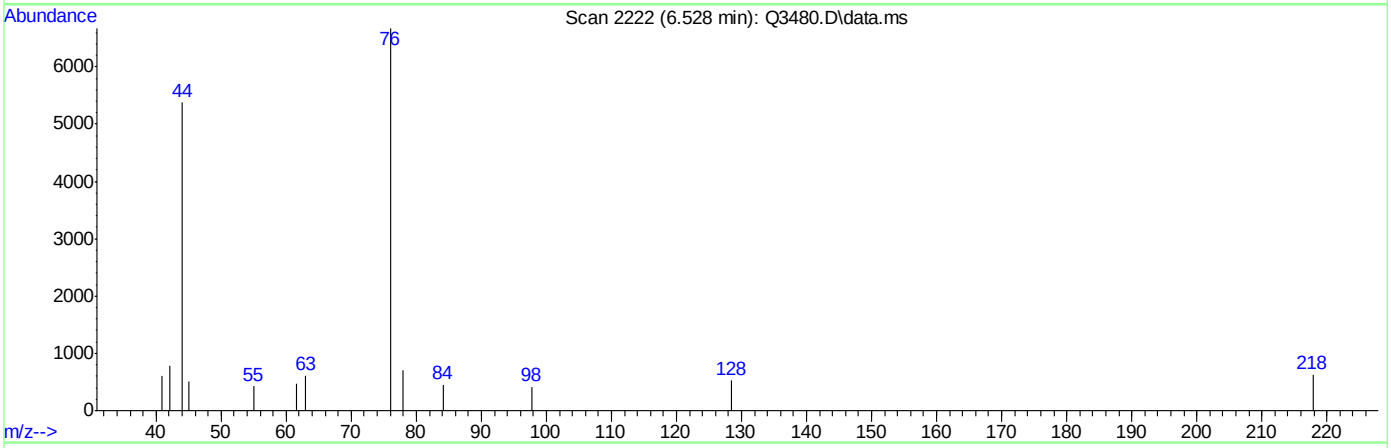
Ion	Exp%	Act%
76.00	100	100
78.00	0.00	7.41
44.00	0.70	66.31#
0.00	0.00	0.00

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

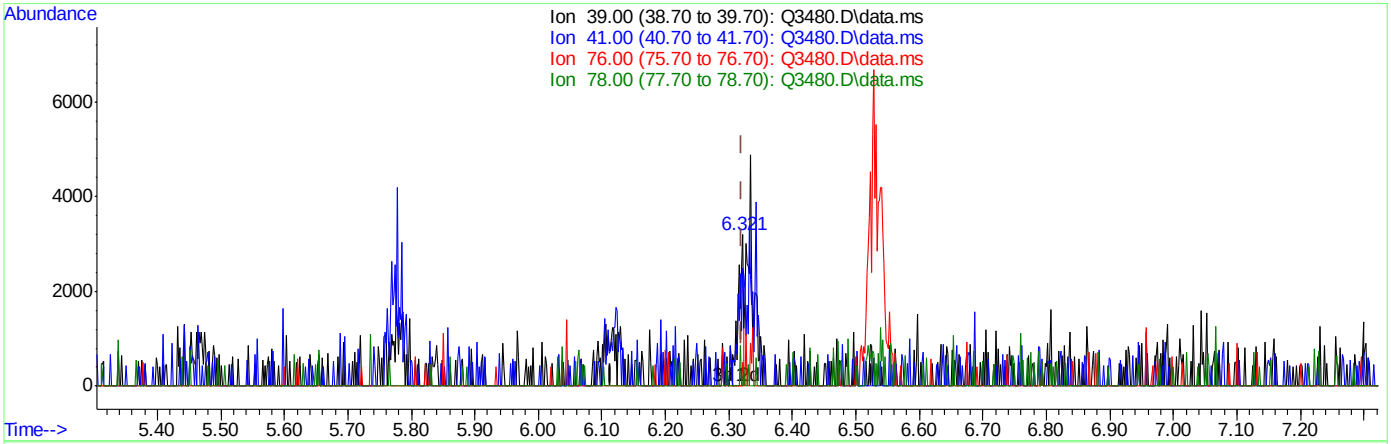
response 8215

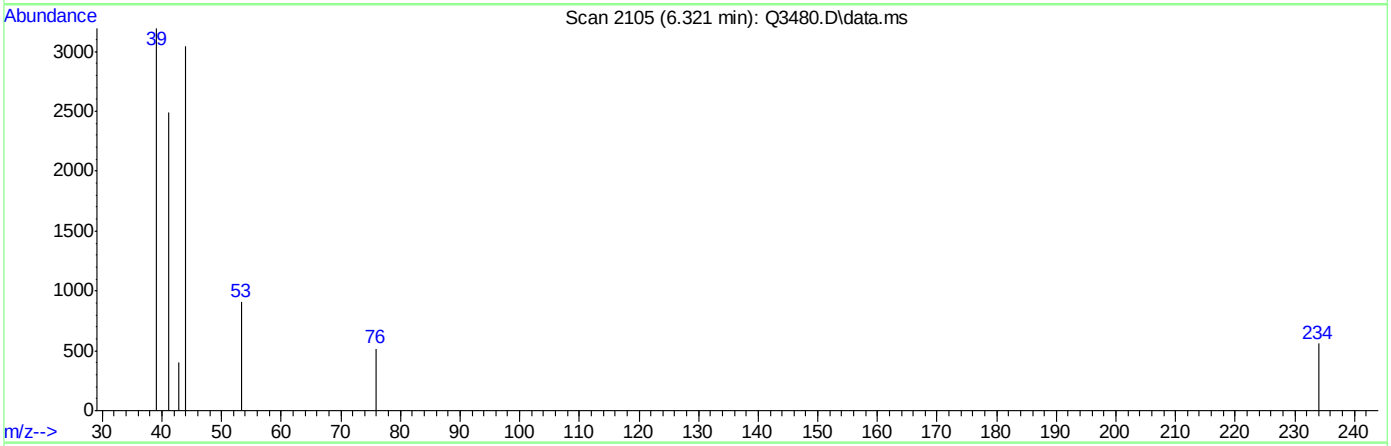
Ion	Exp%	Act%
76.00	100	100
78.00	0.00	4.35
44.00	0.70	38.87#
0.00	0.00	0.00

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

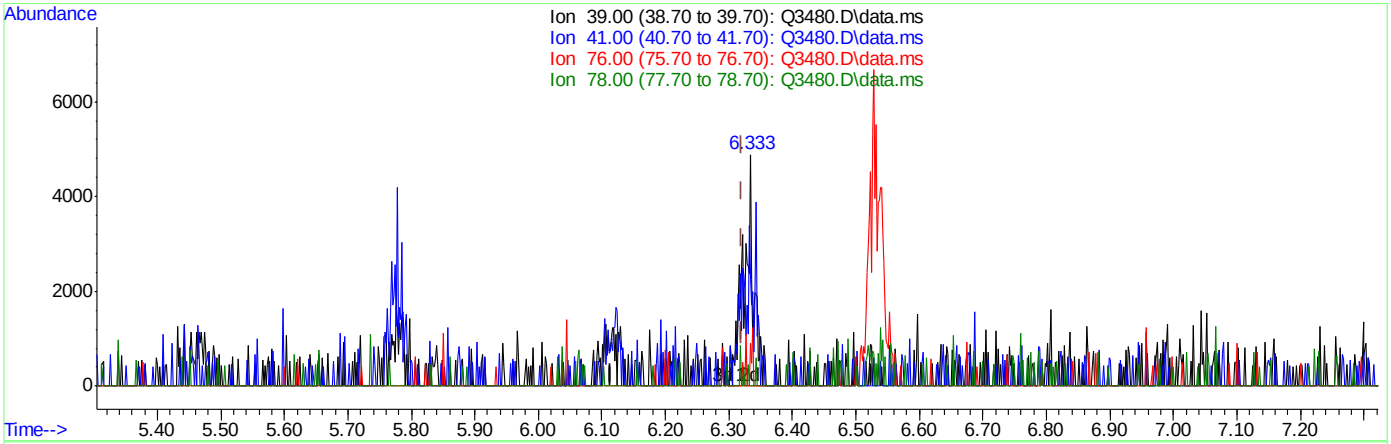
response 1684

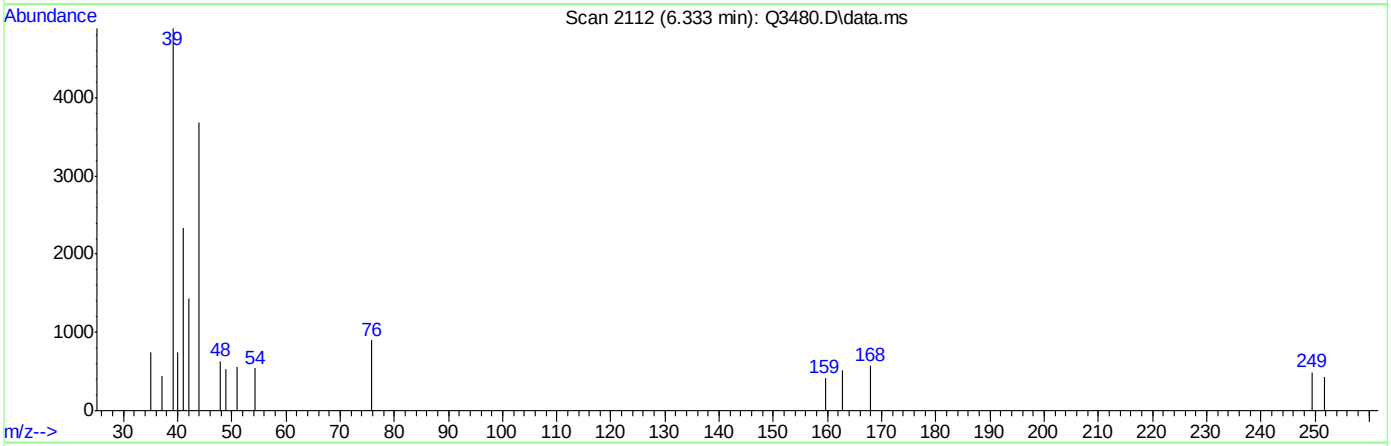
Ion	Exp%	Act%
39.00	100	100
41.00	0.30	110.33#
76.00	0.00	0.00
78.00	0.00	8.08

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

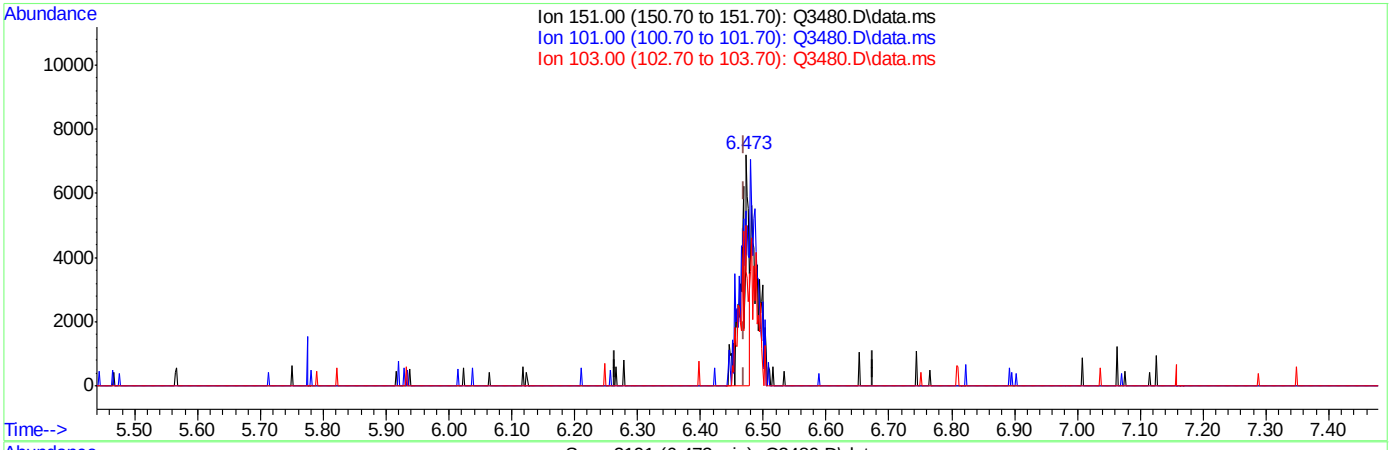
response 5194

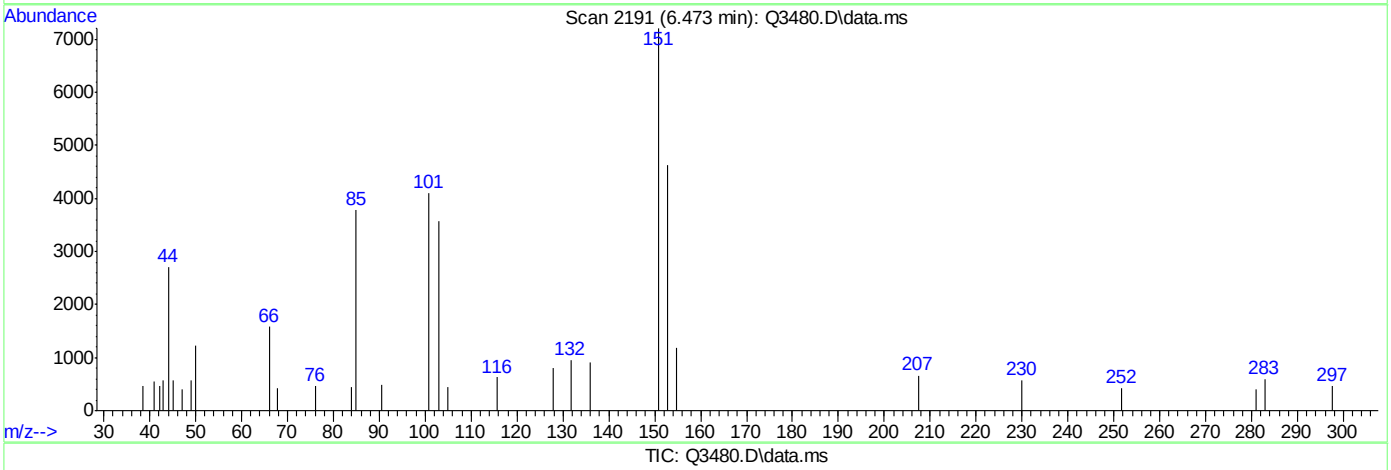
Ion	Exp%	Act%
39.00	100	100
41.00	0.30	35.77#
76.00	0.00	0.00
78.00	0.00	2.62

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

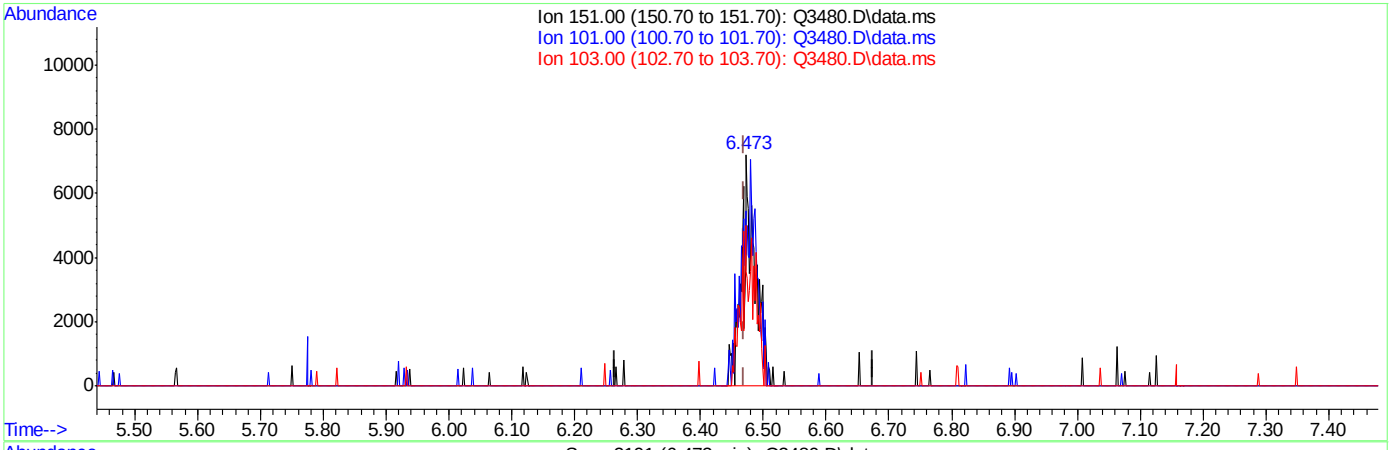
response 6248

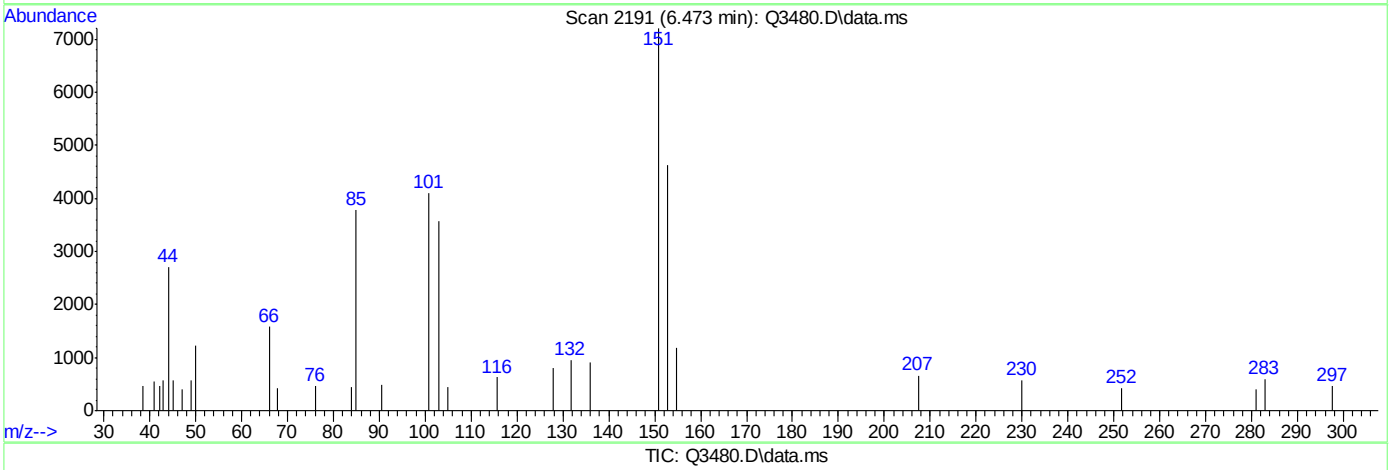
Ion	Exp%	Act%
151.00	100	100
101.00	0.00	101.14#
103.00	0.00	71.29#
0.00	0.00	0.00

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

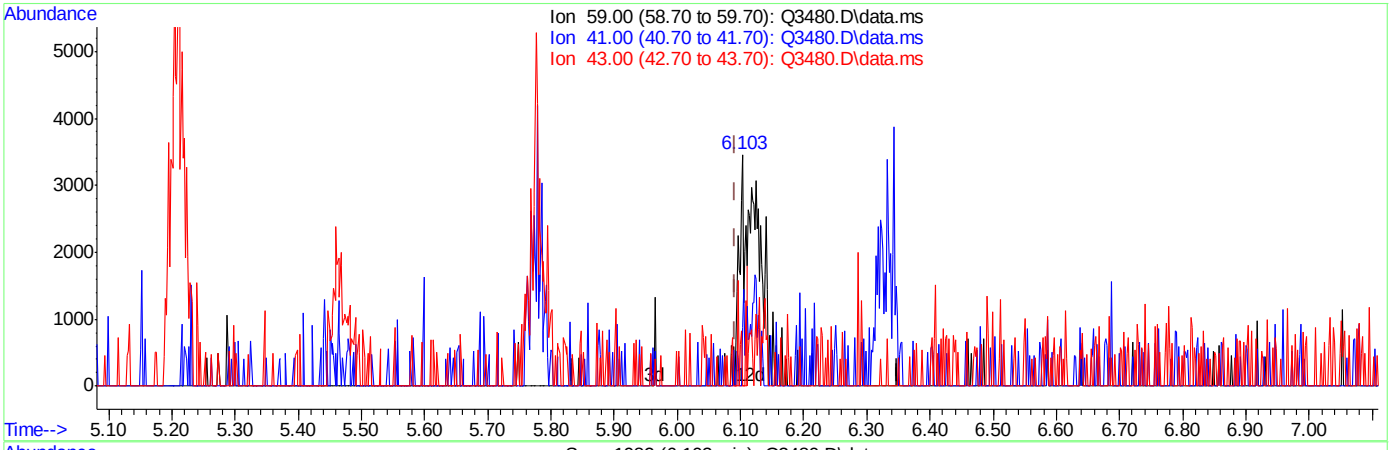
response 11185

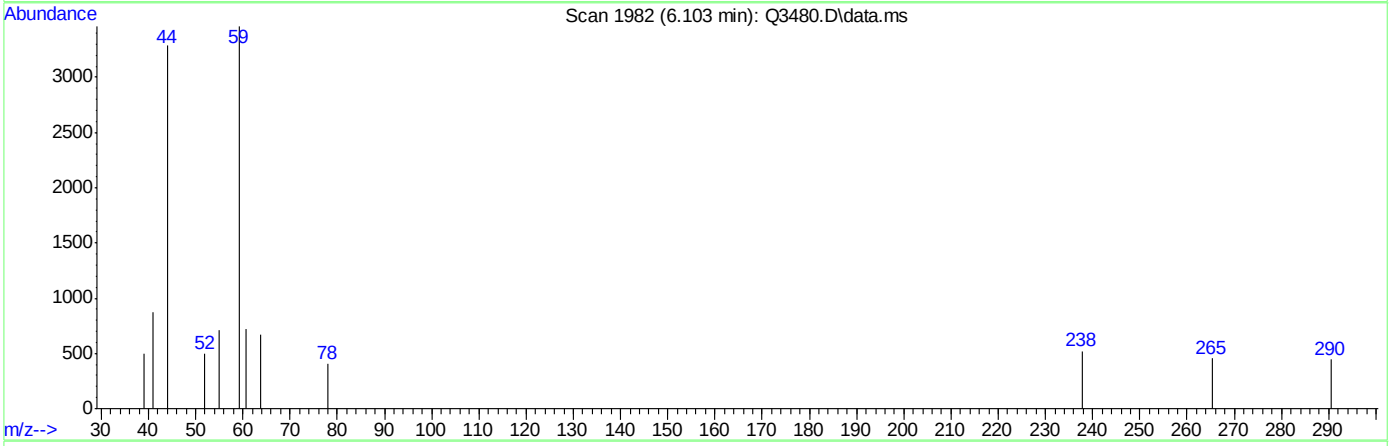
Ion	Exp%	Act%
151.00	100	100
101.00	0.00	56.50#
103.00	0.00	39.82#
0.00	0.00	0.00

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

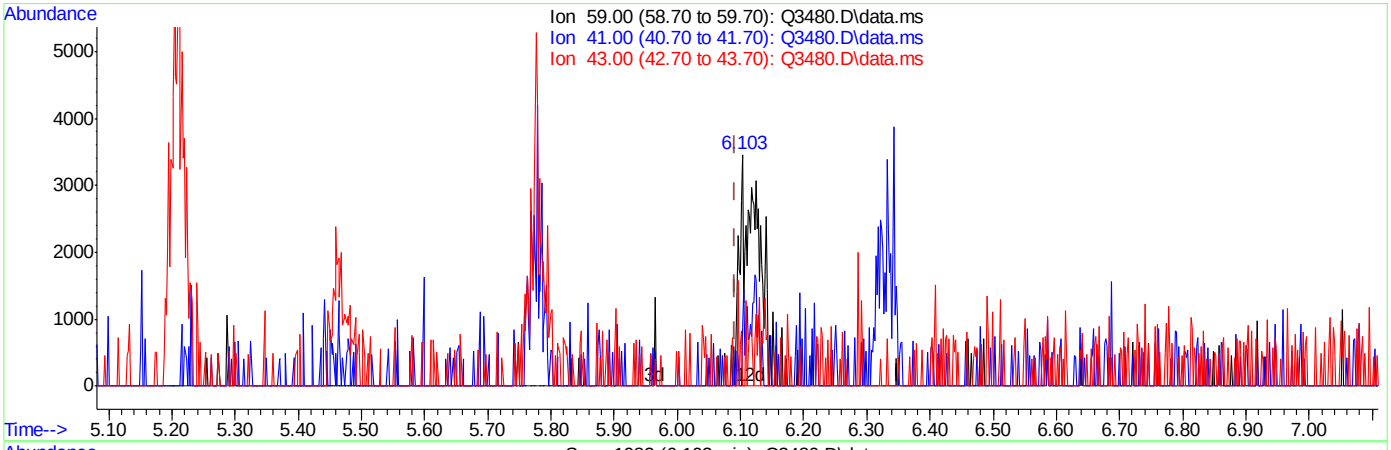
response 2405

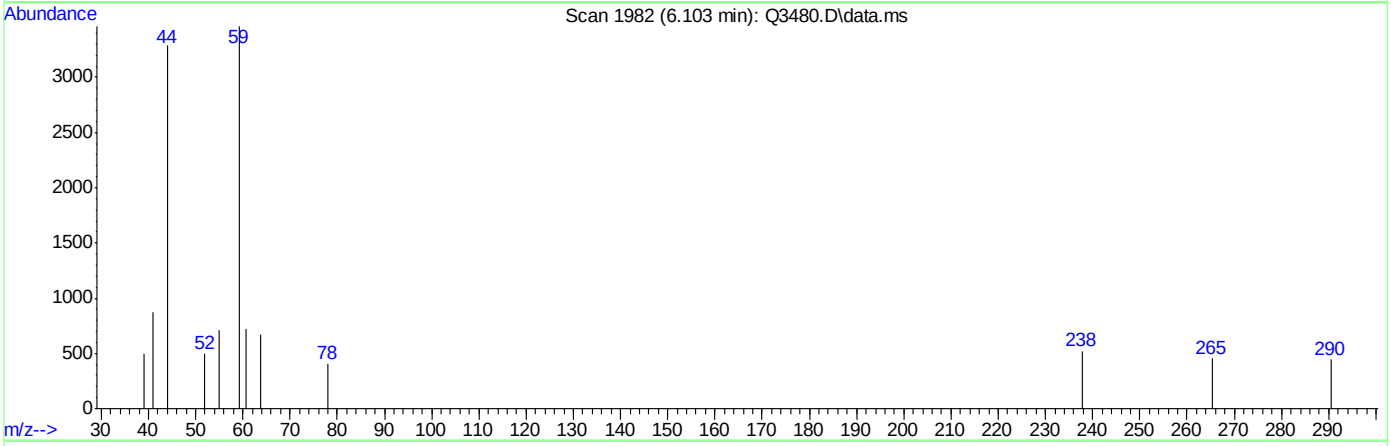
Ion	Exp%	Act%
59.00	100	100
41.00	0.00	31.64#
43.00	0.00	13.39
0.00	0.00	0.00

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

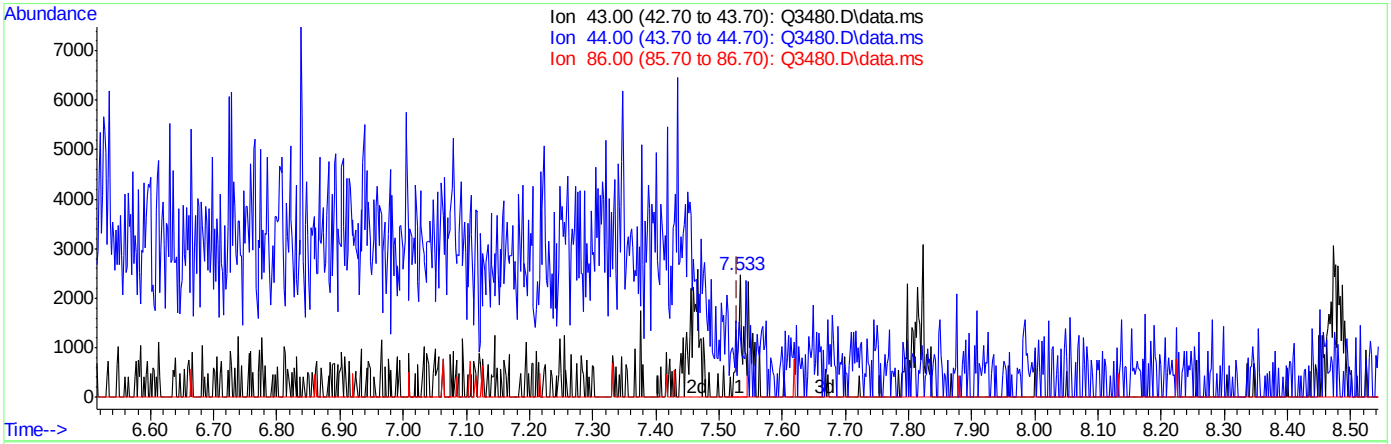
response 7161

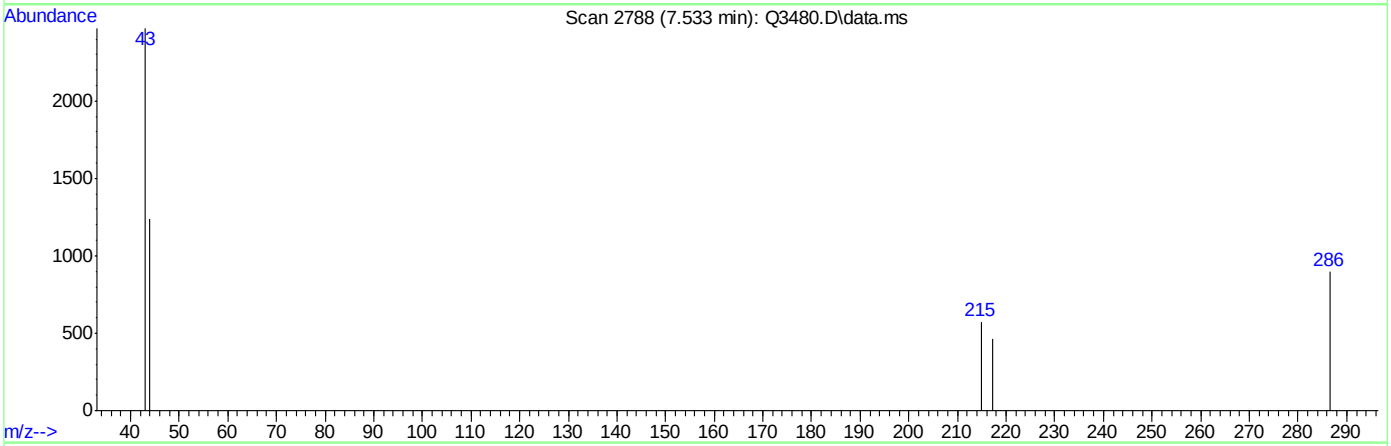
Ion	Exp%	Act%
59.00	100	100
41.00	0.00	10.63
43.00	0.00	4.50
0.00	0.00	0.00

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

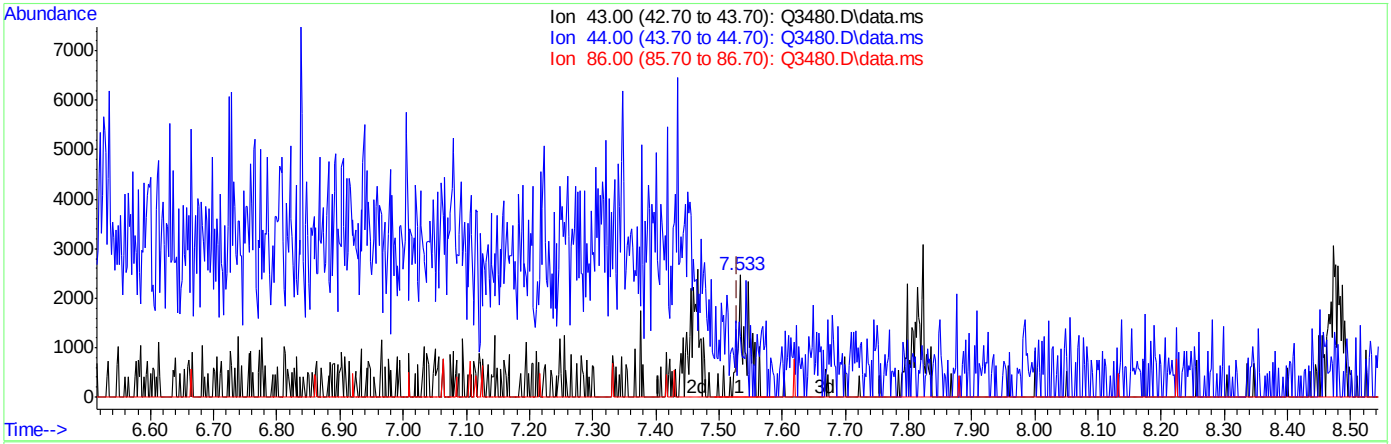
response 1400

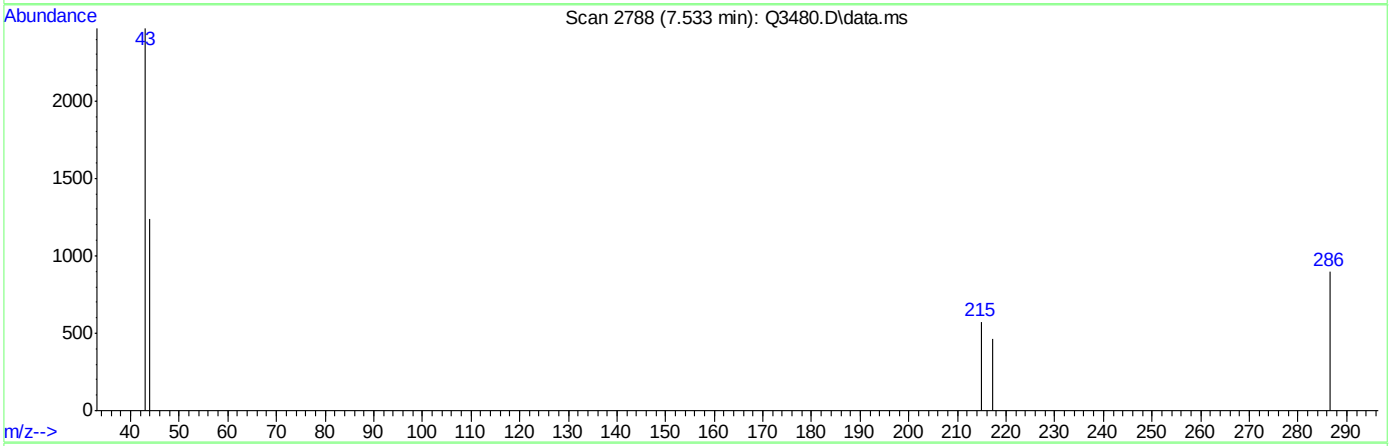
Ion	Exp%	Act%
43.00	100	100
44.00	2.30	105.43#
86.00	0.00	0.00
0.00	0.00	0.00

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

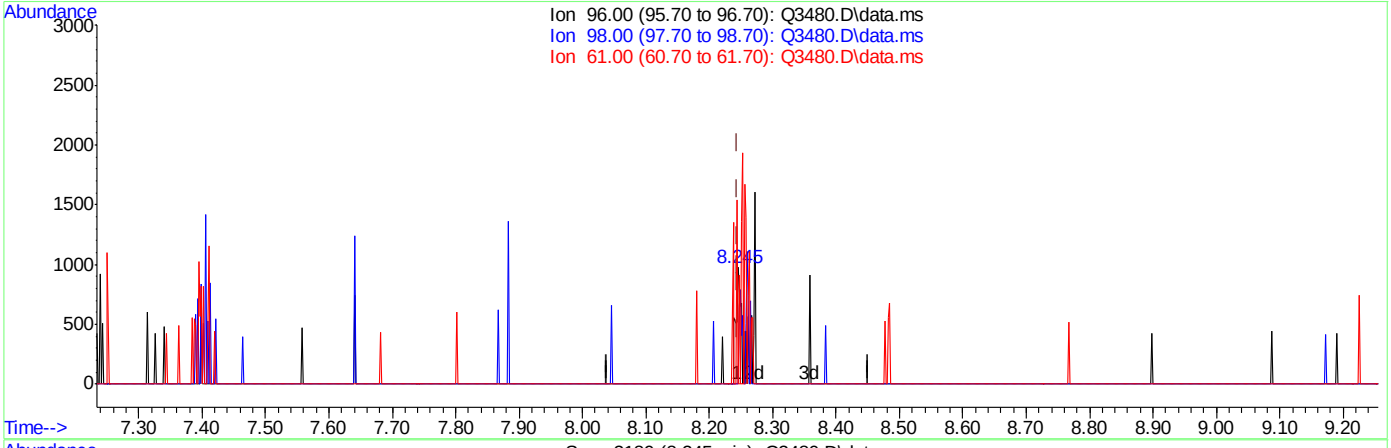
response 2507

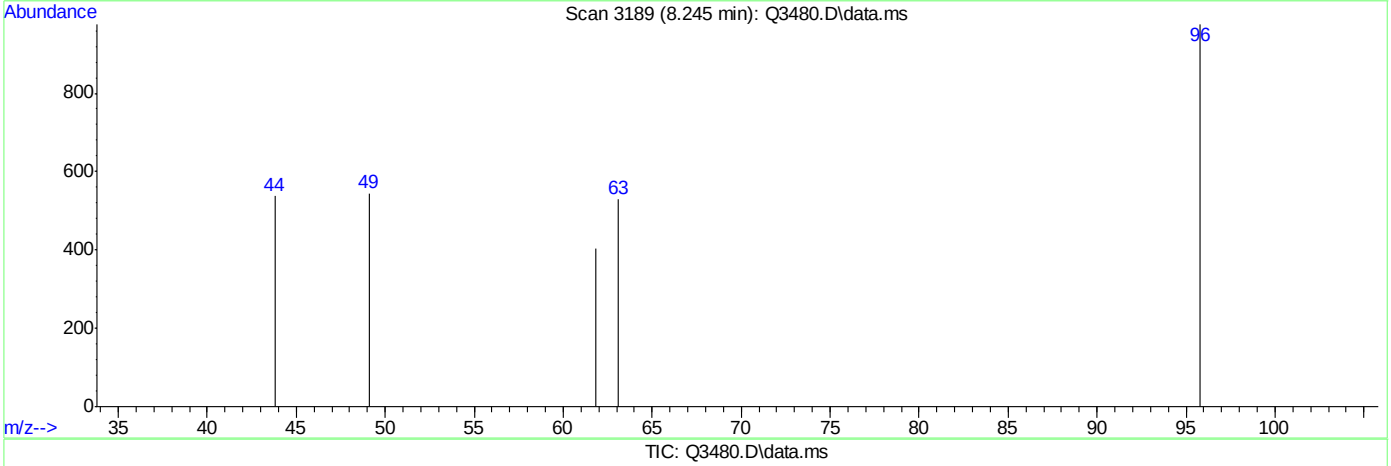
Ion	Exp%	Act%
43.00	100	100
44.00	2.30	58.88#
86.00	0.00	0.00
0.00	0.00	0.00

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

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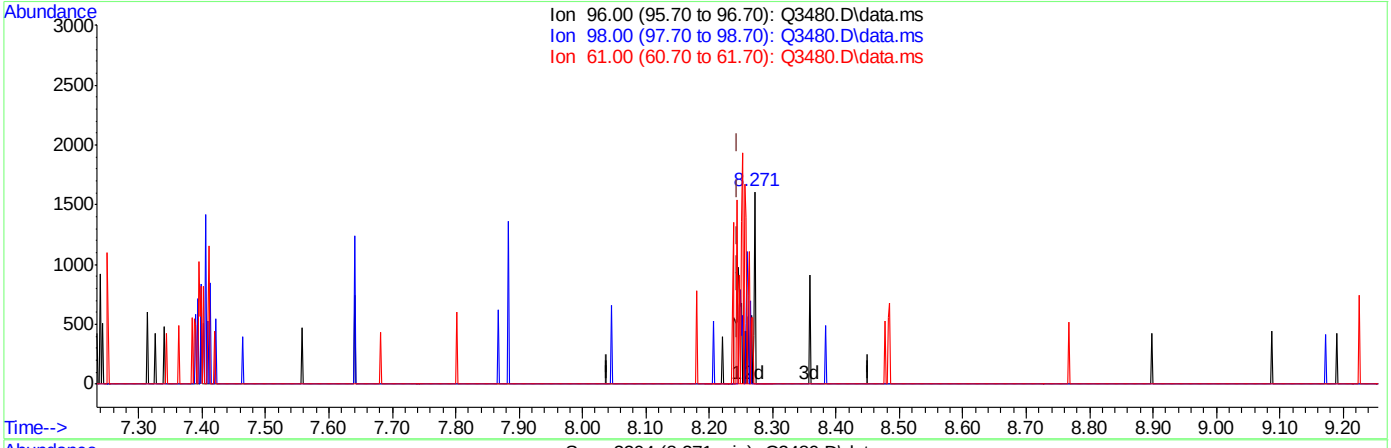
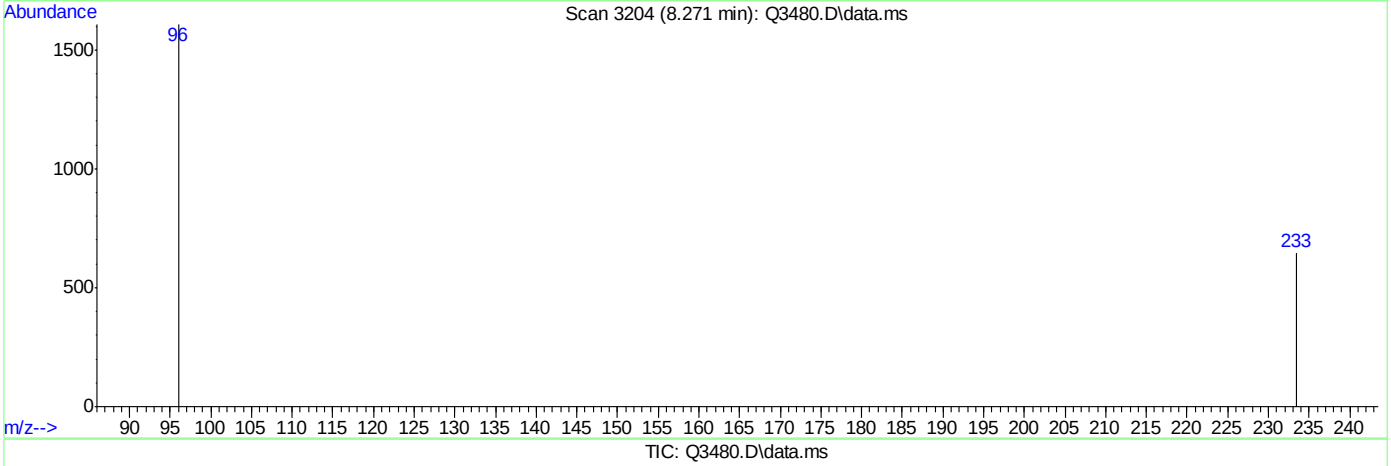
Quantitation Report (Qedit)

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

(29) cis-1,2-DICHLOROETHYLENE (m)

8.271min (+0.027) 0.14PPBV m

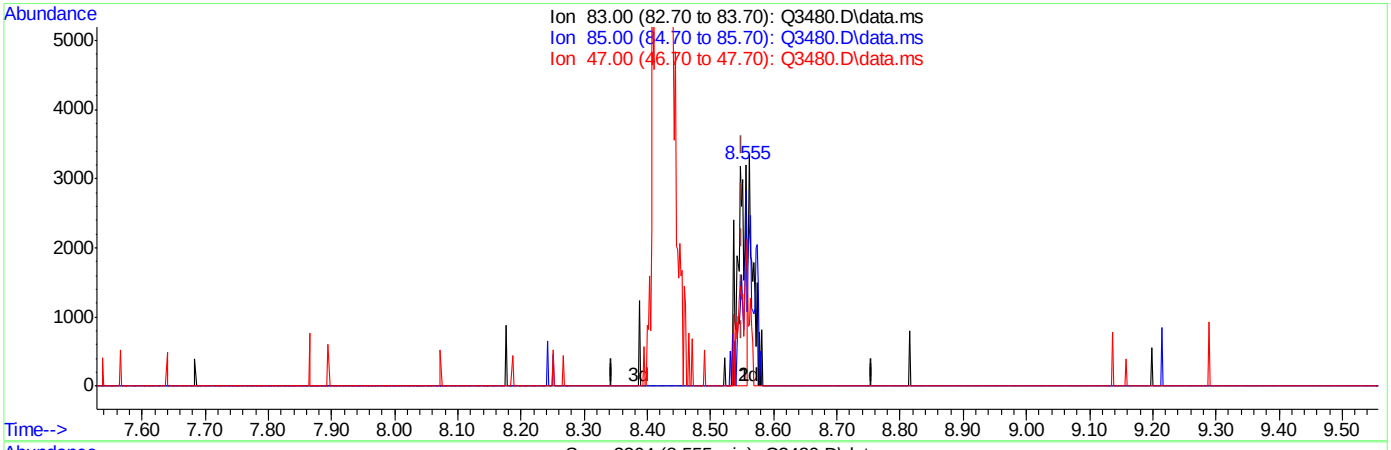
response 972

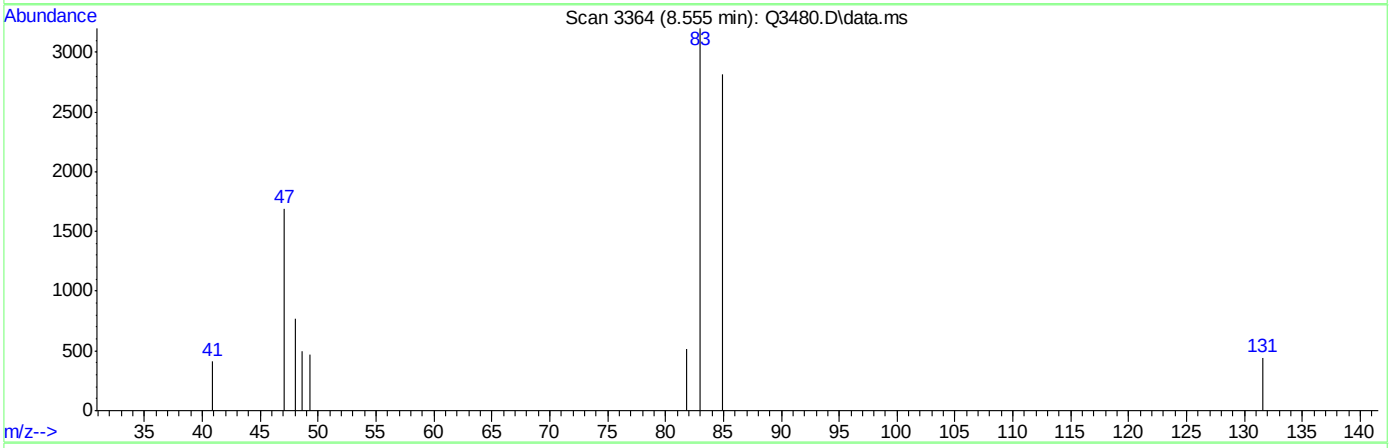
Ion	Exp%	Act%
96.00	100	100
98.00	0.00	0.00
61.00	0.00	31.69#
0.00	0.00	0.00

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

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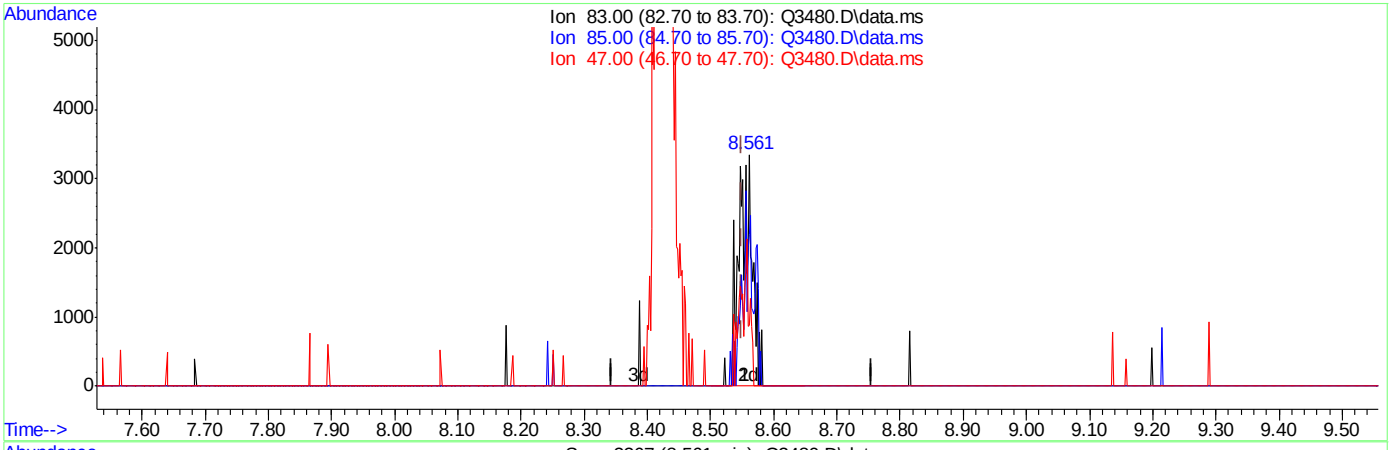
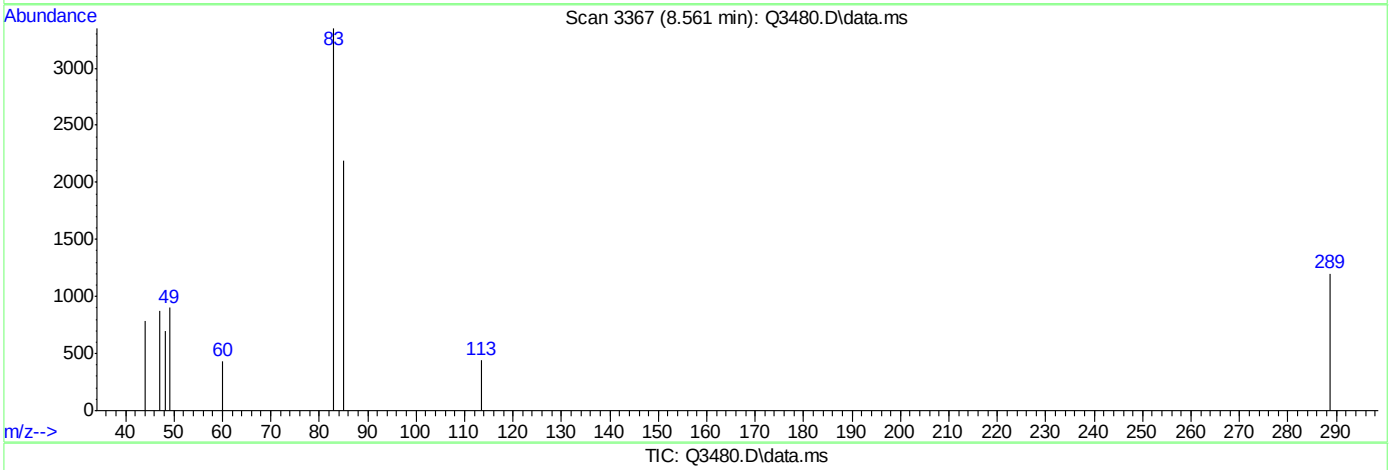
Quantitation Report (Qedit)

```
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

(31) CHLOROFORM (m)

8.561min (+0.011) 0.21PPBV m

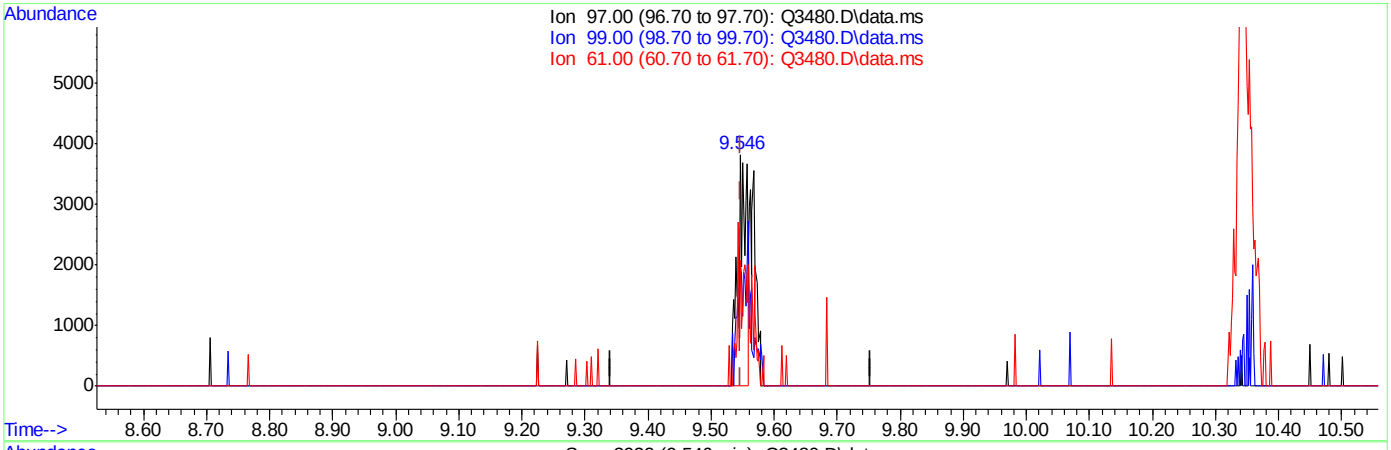
response 4772

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

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



(32) 1,1,1-TRICHLOROETHANE (m)

9.546min (-0.002) 0.14PPBV

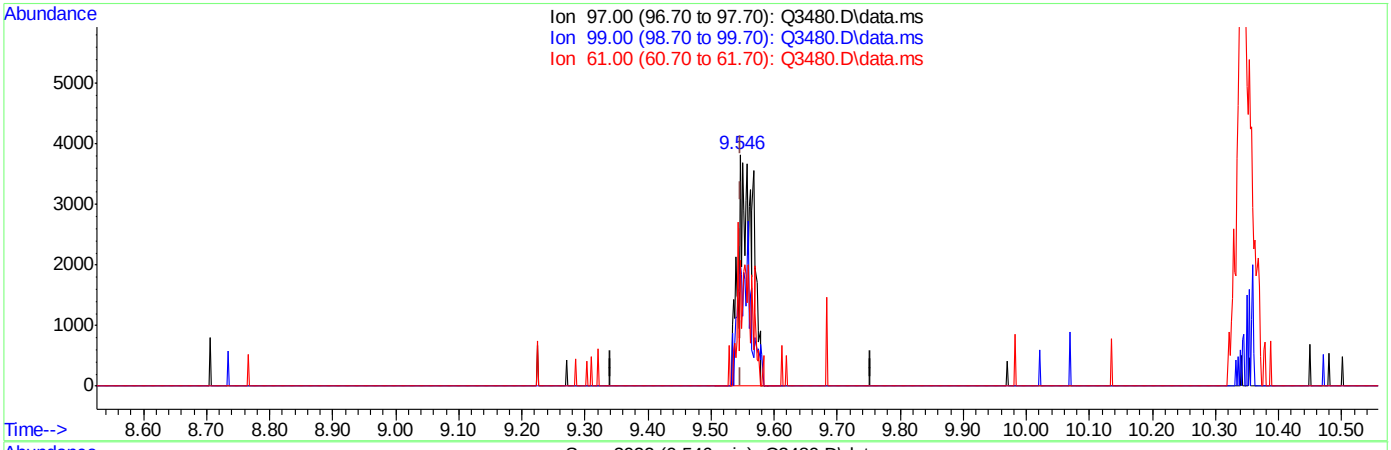
response 3517

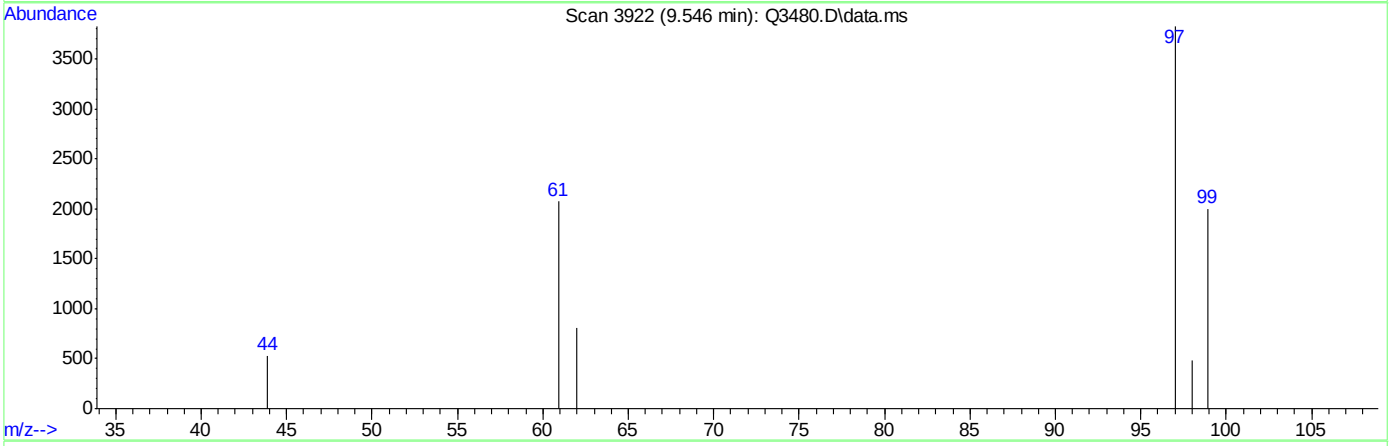
Ion	Exp%	Act%
97.00	100	100
99.00	63.00	96.50#
61.00	38.00	64.46#
0.00	0.00	0.00

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

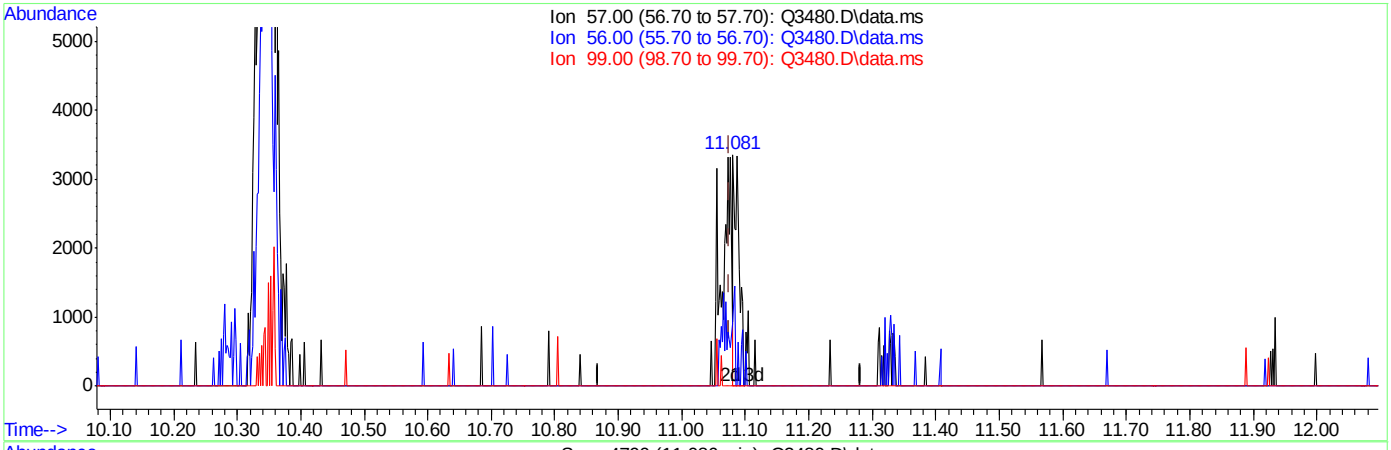
response 5925

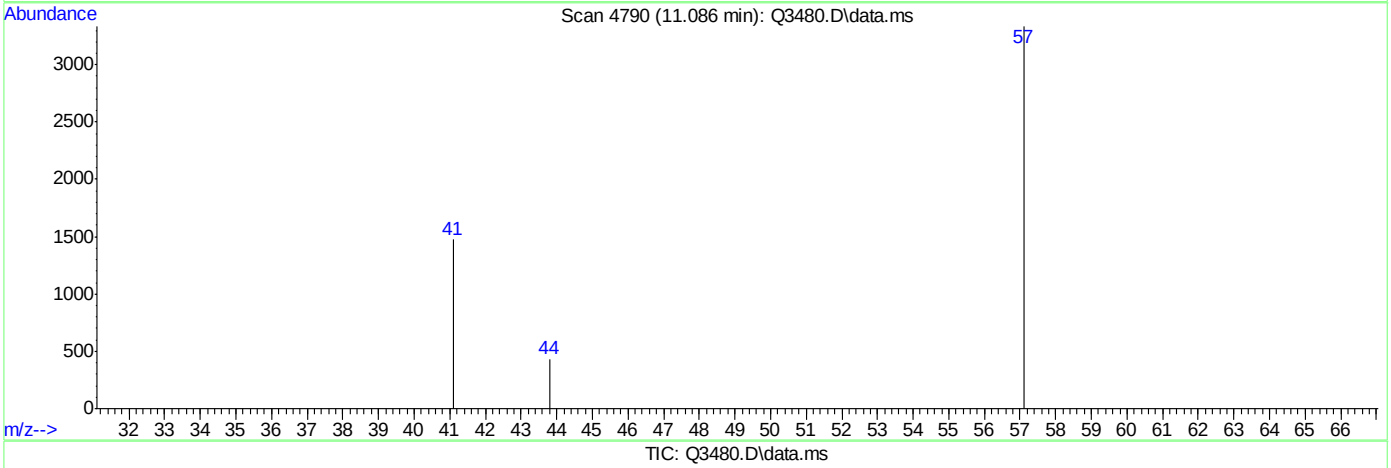
Ion	Exp%	Act%
97.00	100	100
99.00	63.00	57.28
61.00	38.00	38.26
0.00	0.00	0.00

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

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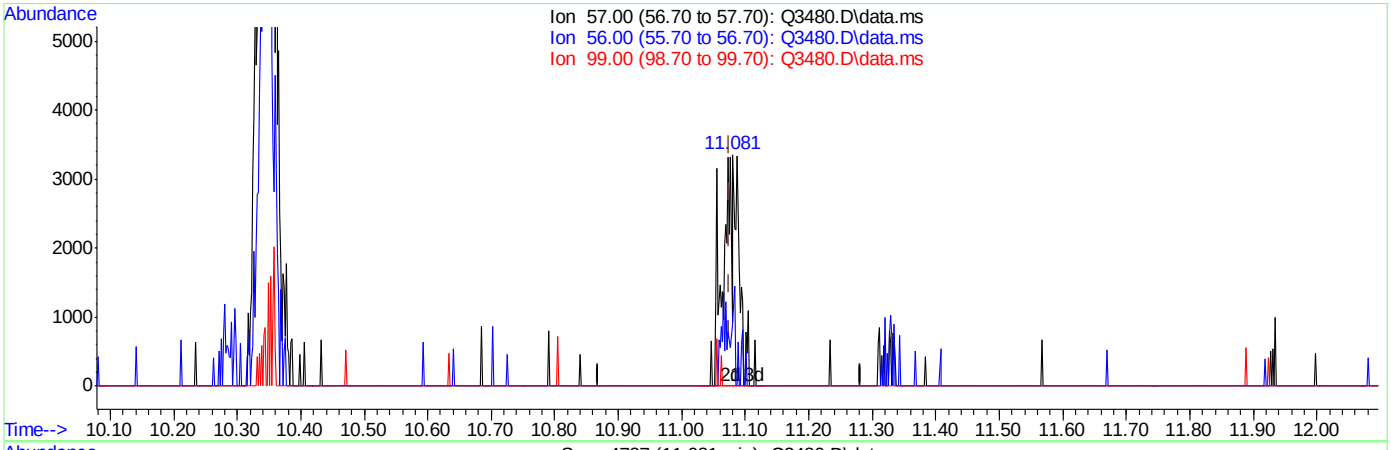
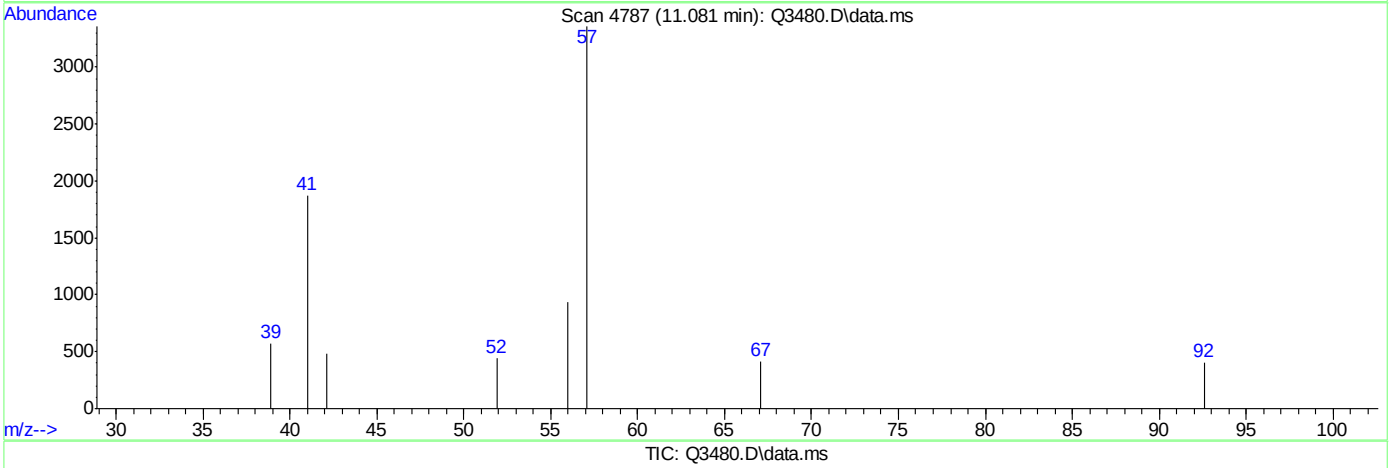
Quantitation Report (Qedit)

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

(41) 2,2,4-TRIMETHYLPENTANE (m)

11.081min (+0.005) 0.17PPBV m

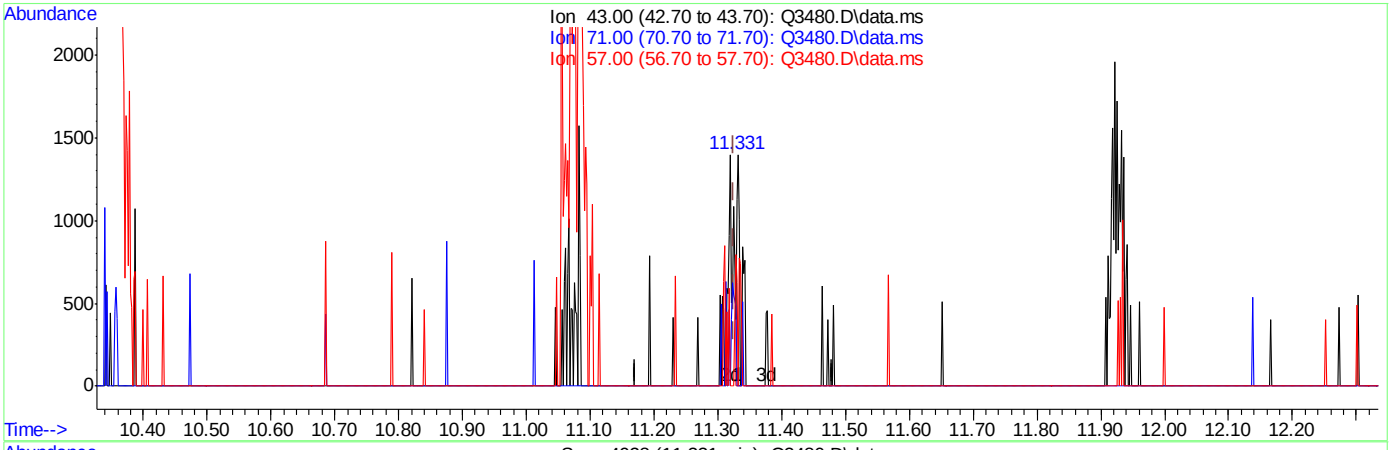
response 5400

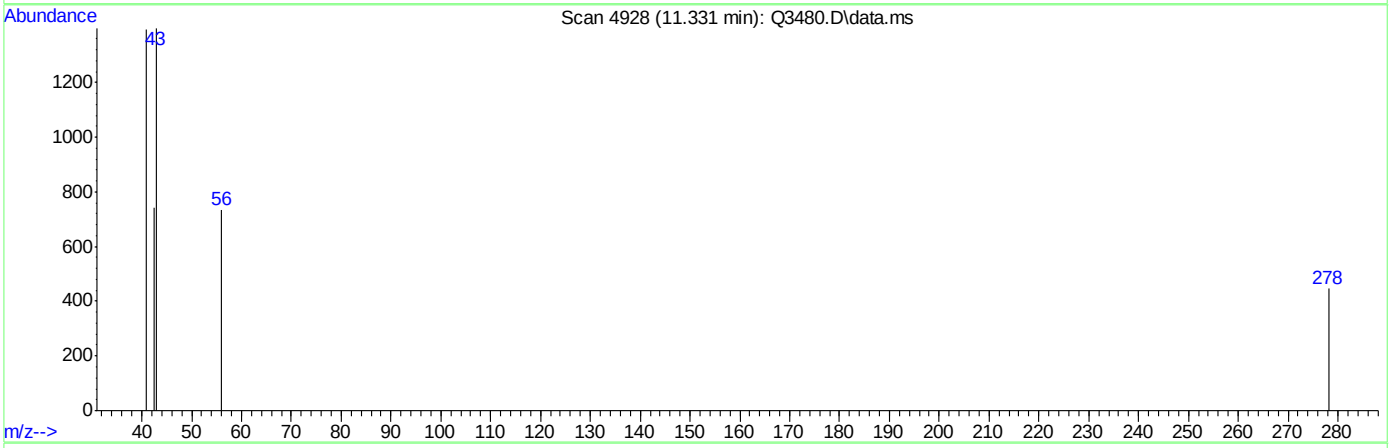
Ion	Exp%	Act%
57.00	100	100
56.00	30.30	15.19
99.00	6.30	0.00
0.00	0.00	0.00

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

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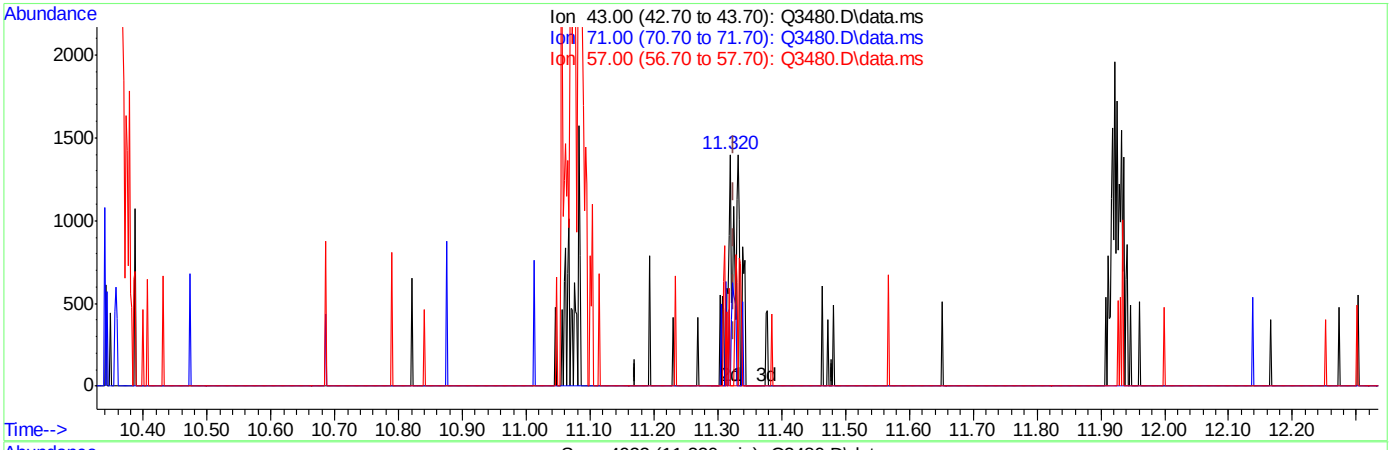
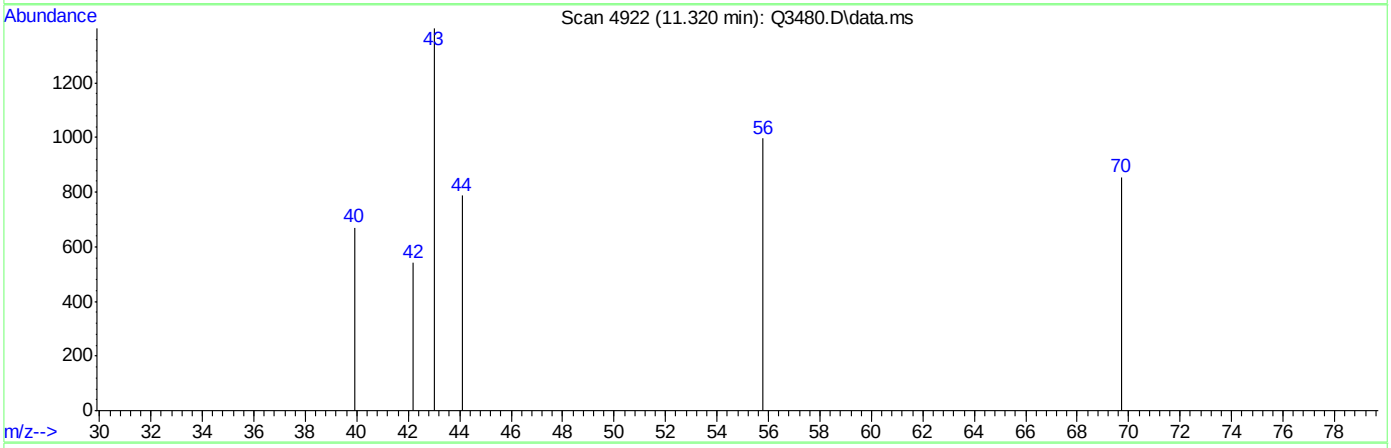
Quantitation Report (Qedit)

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

(43) HEPTANE (m)

11.320min (-0.005) 0.11PPBV m

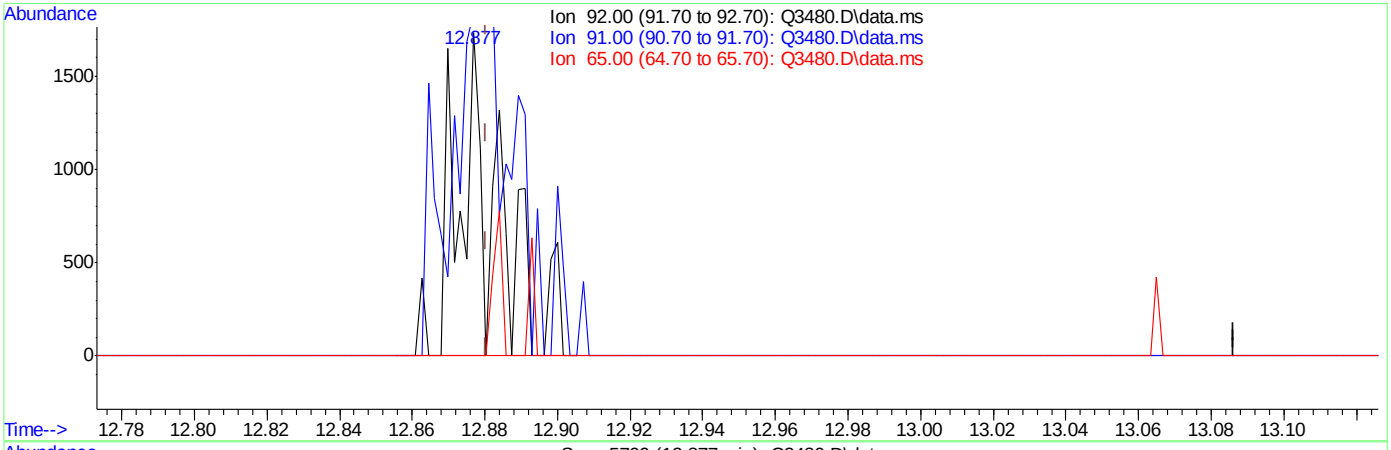
response 1423

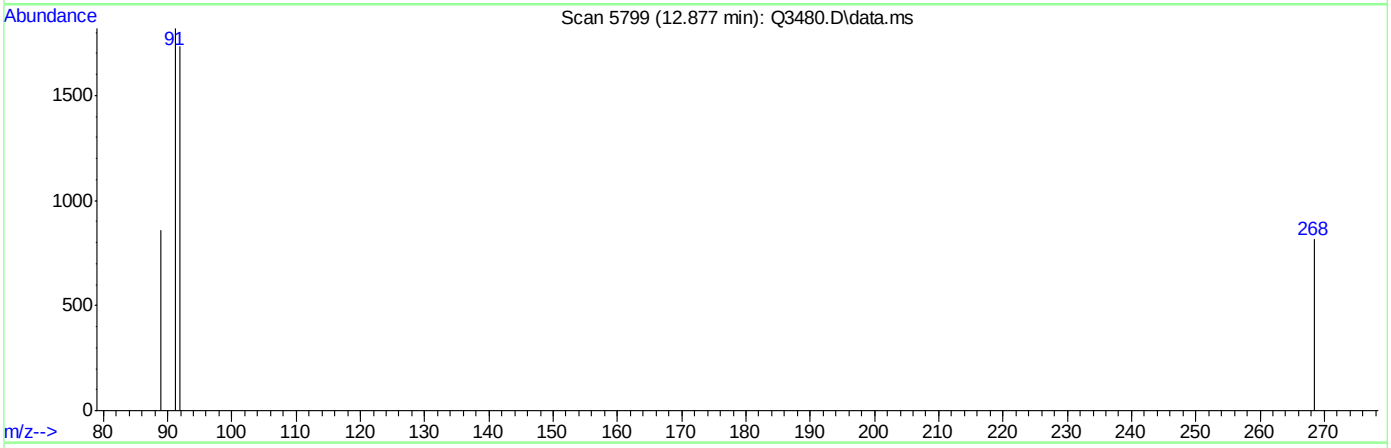
Ion	Exp%	Act%
43.00	100	100
71.00	52.40	15.46#
57.00	48.00	25.23#
0.00	0.00	0.00

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

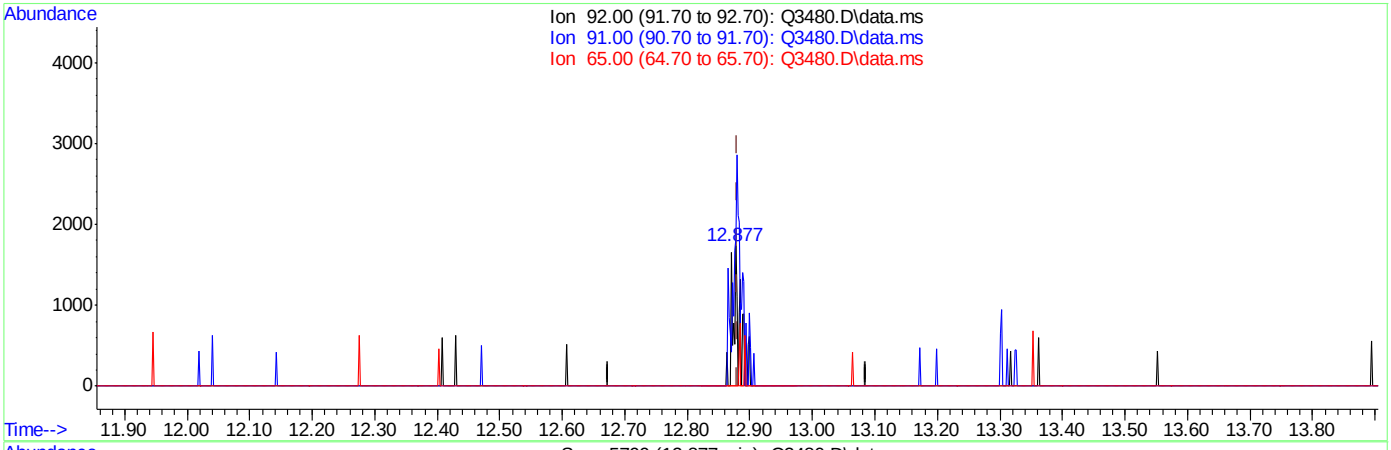
response 1333

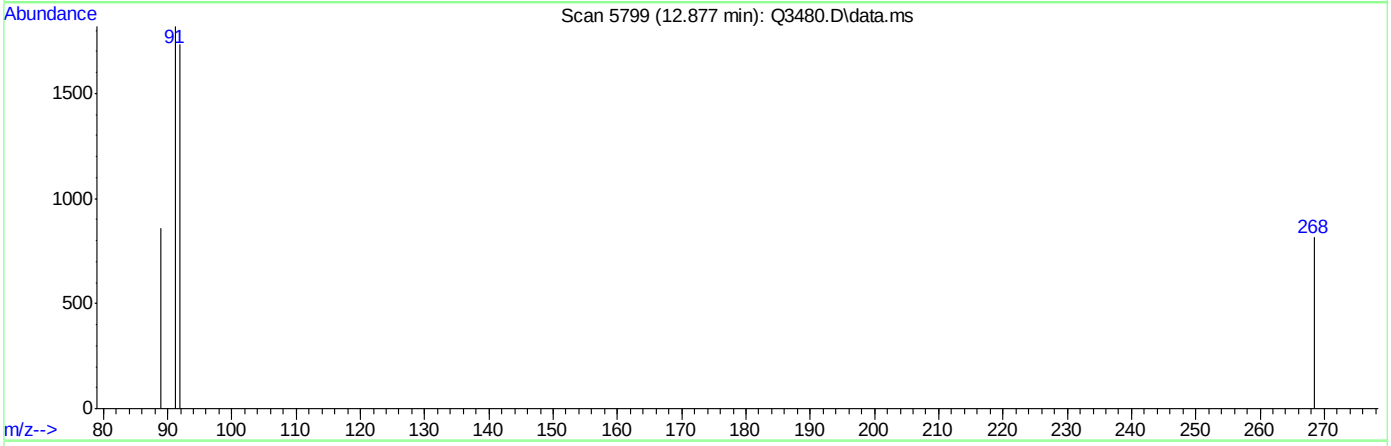
Ion	Exp%	Act%
92.00	100	100
91.00	170.80	192.12#
65.00	22.90	9.68
0.00	0.00	0.00

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

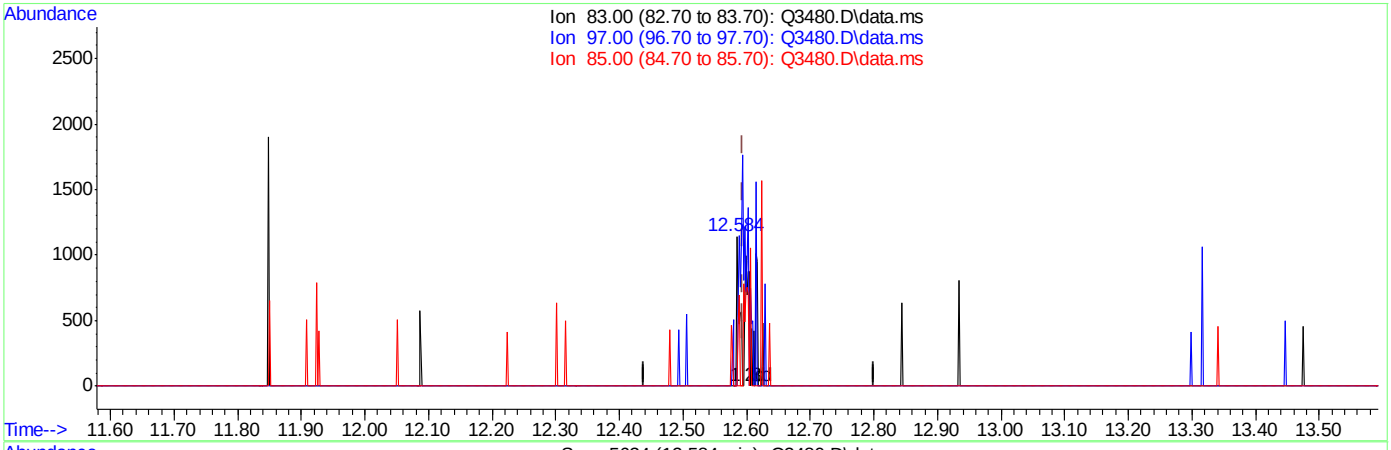
response 1333

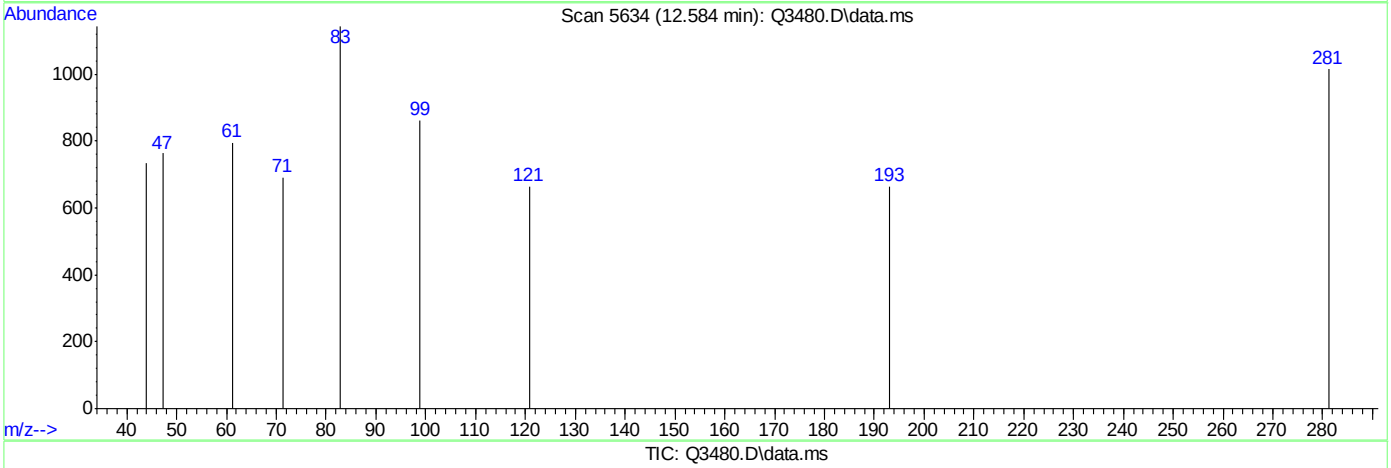
Ion	Exp%	Act%
92.00	100	100
91.00	170.80	192.12#
65.00	22.90	9.68
0.00	0.00	0.00

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

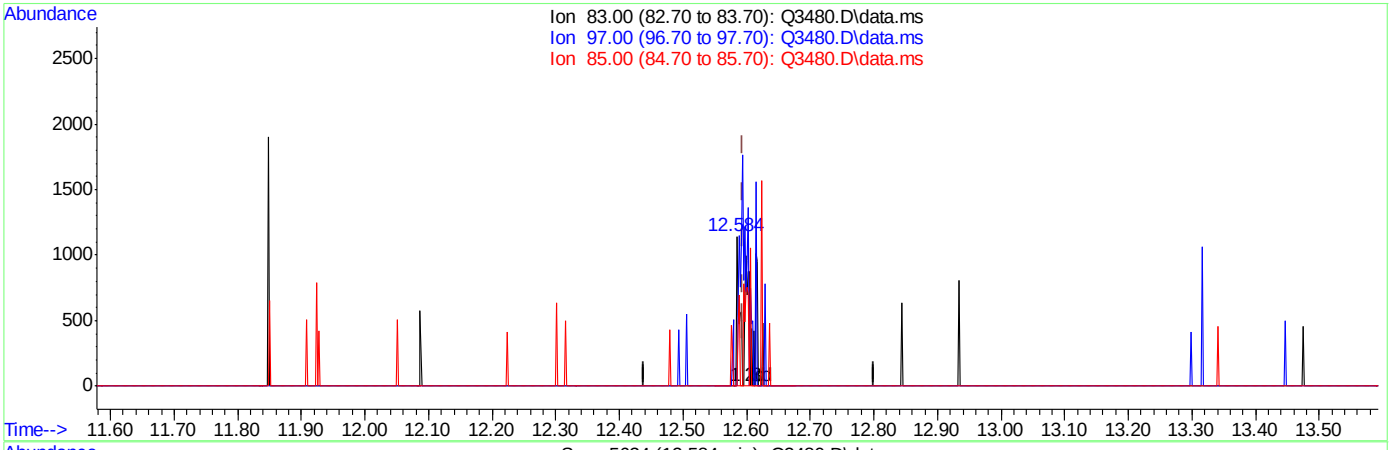
response 349

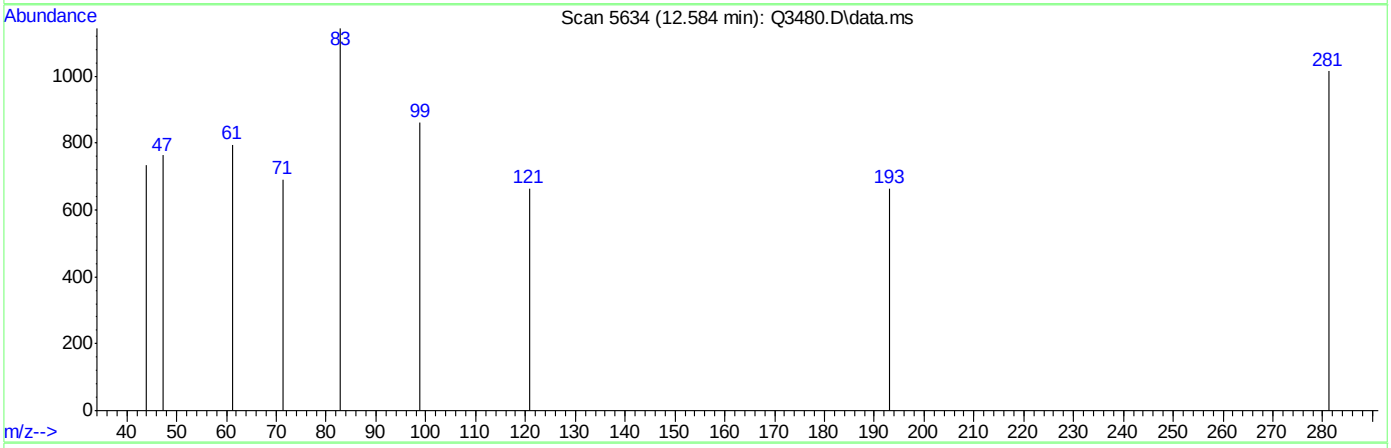
Ion	Exp%	Act%
83.00	100	100
97.00	121.10	337.25#
85.00	65.40	36.10#
0.00	0.00	0.00

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

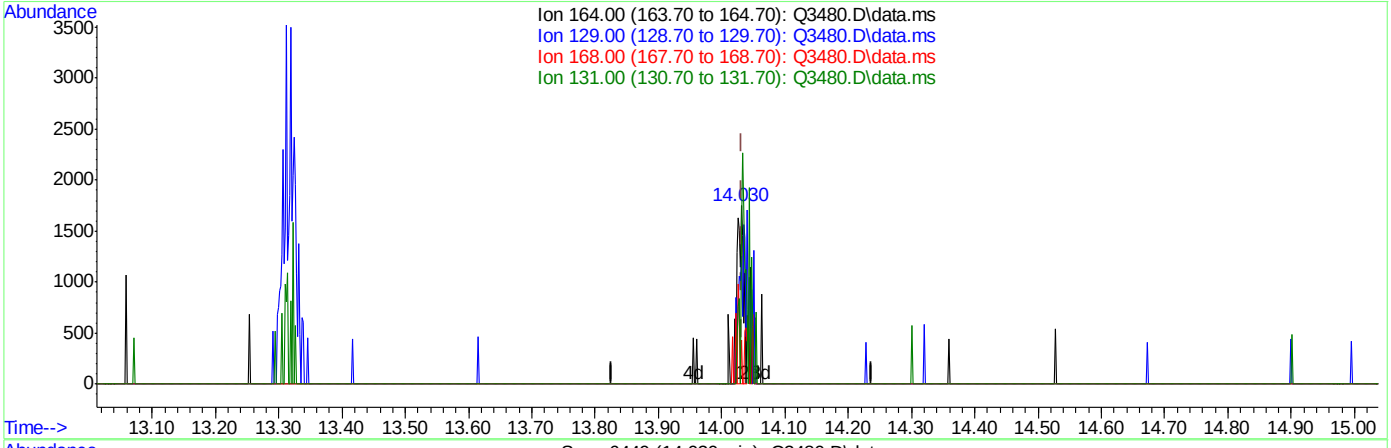
response 1143

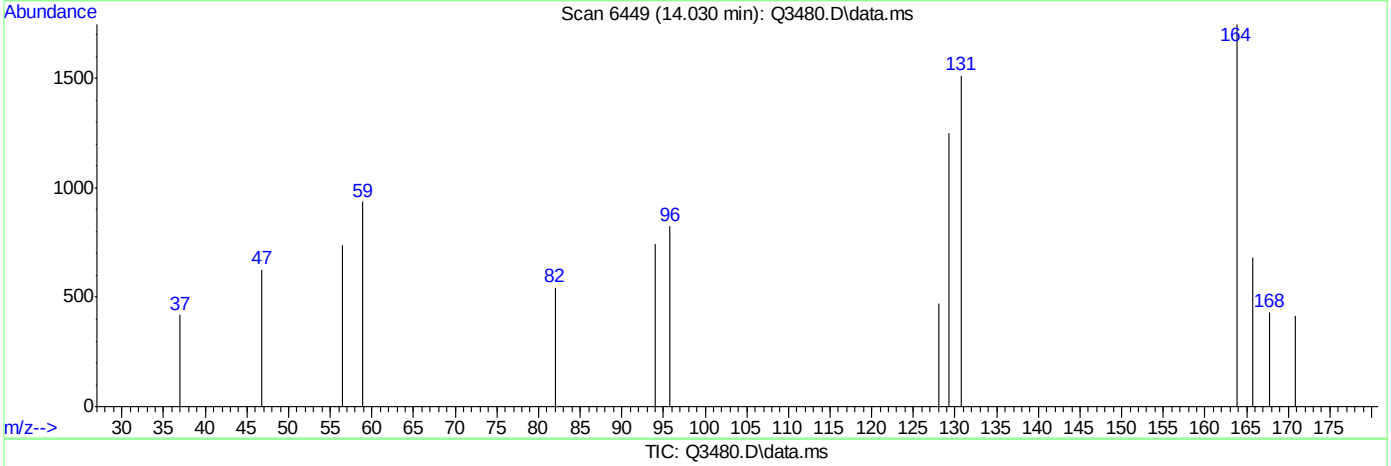
Ion	Exp%	Act%
83.00	100	100
97.00	121.10	102.97
85.00	65.40	11.02#
0.00	0.00	0.00

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

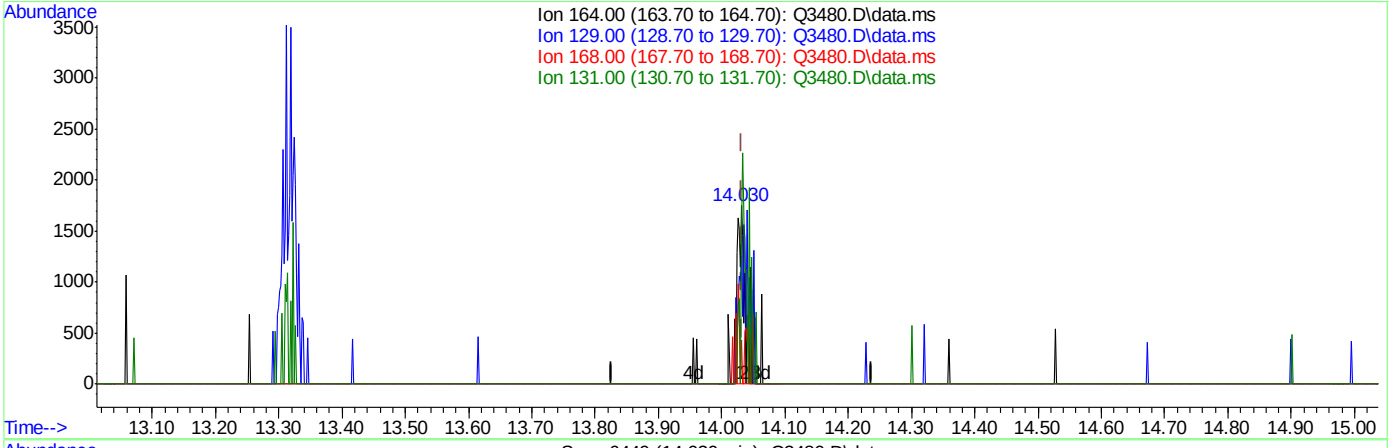
response 1184

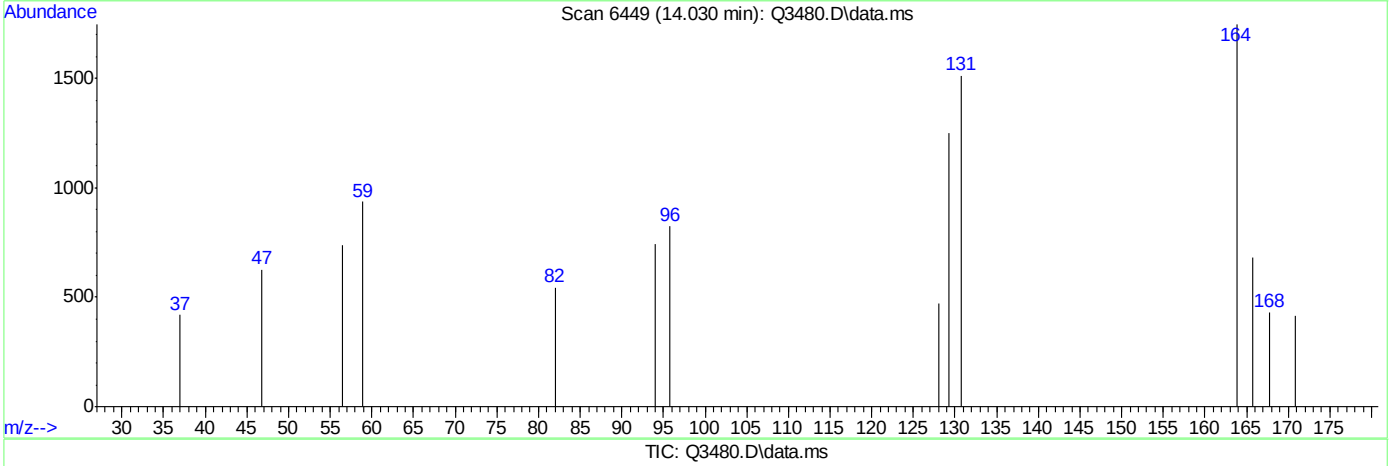
Ion	Exp%	Act%
164.00	100	100
129.00	99.00	0.00#
168.00	60.20	19.43#
131.00	102.50	111.74

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

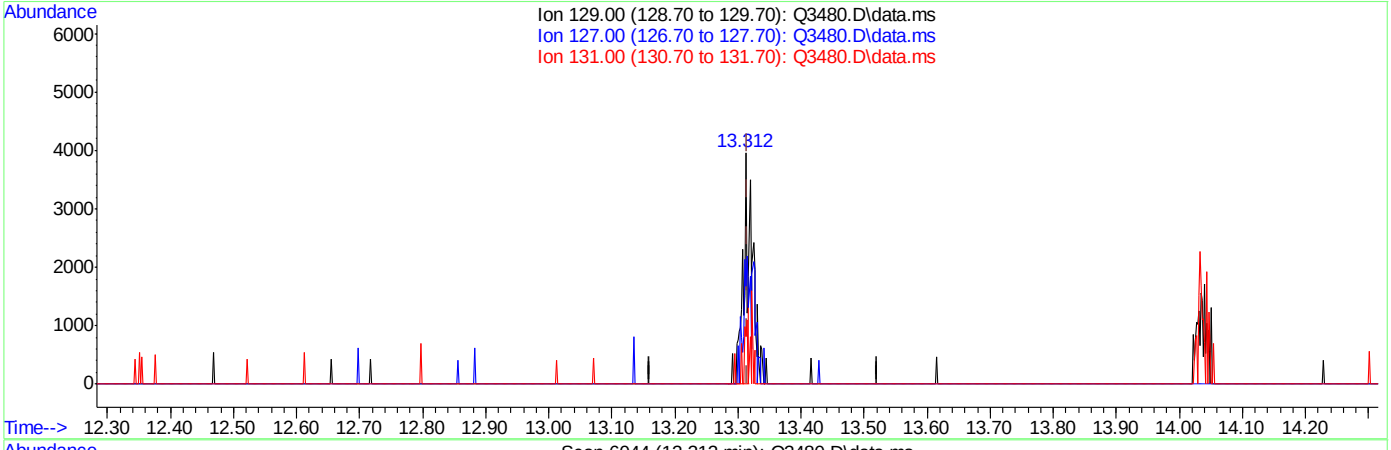
response 1724

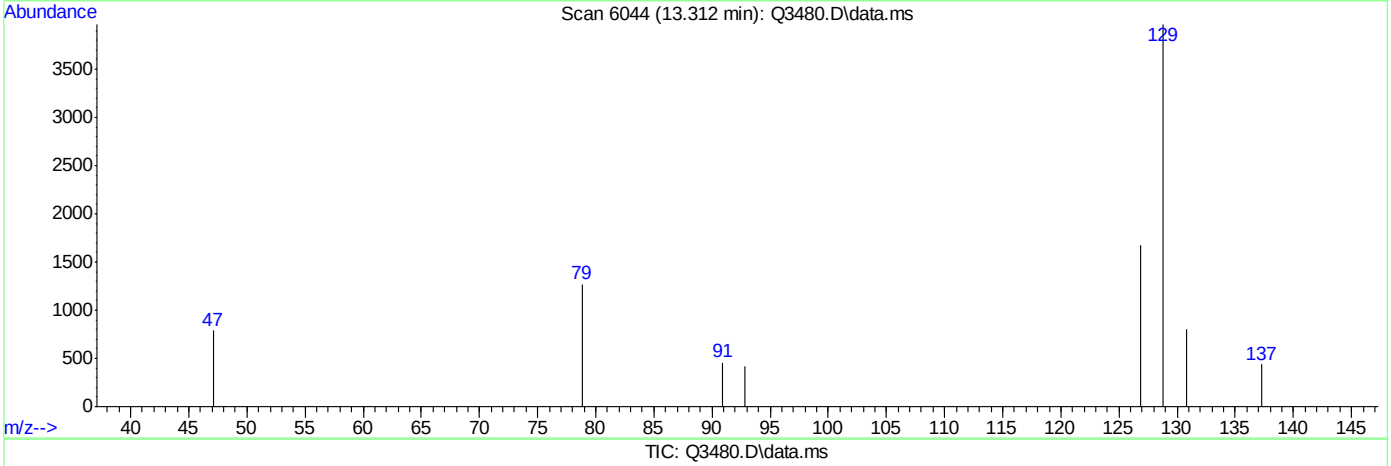
Ion	Exp%	Act%
164.00	100	100
129.00	99.00	0.00#
168.00	60.20	13.34#
131.00	102.50	76.74#

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

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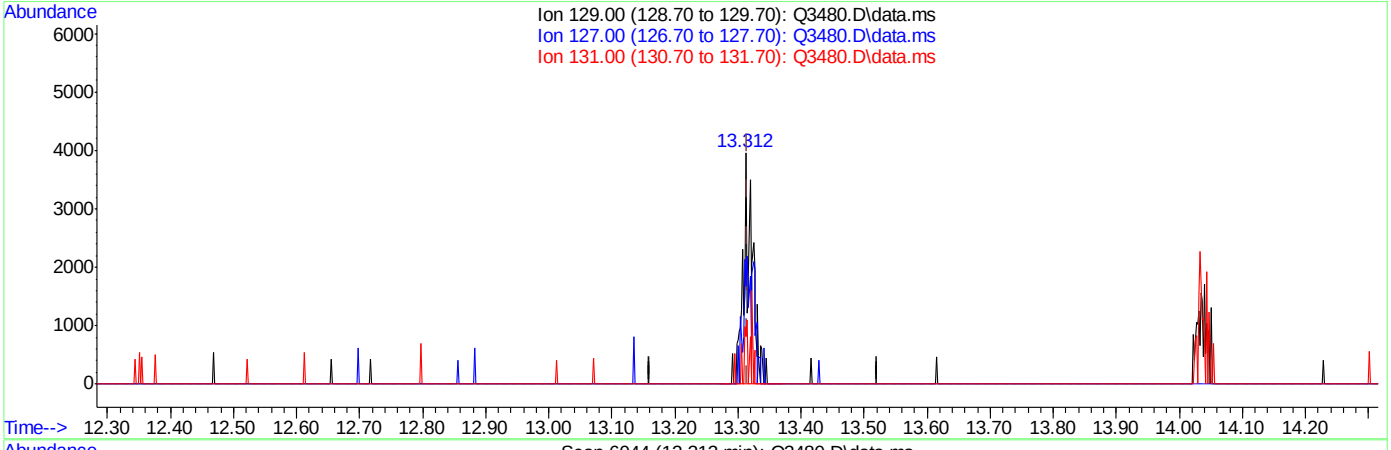
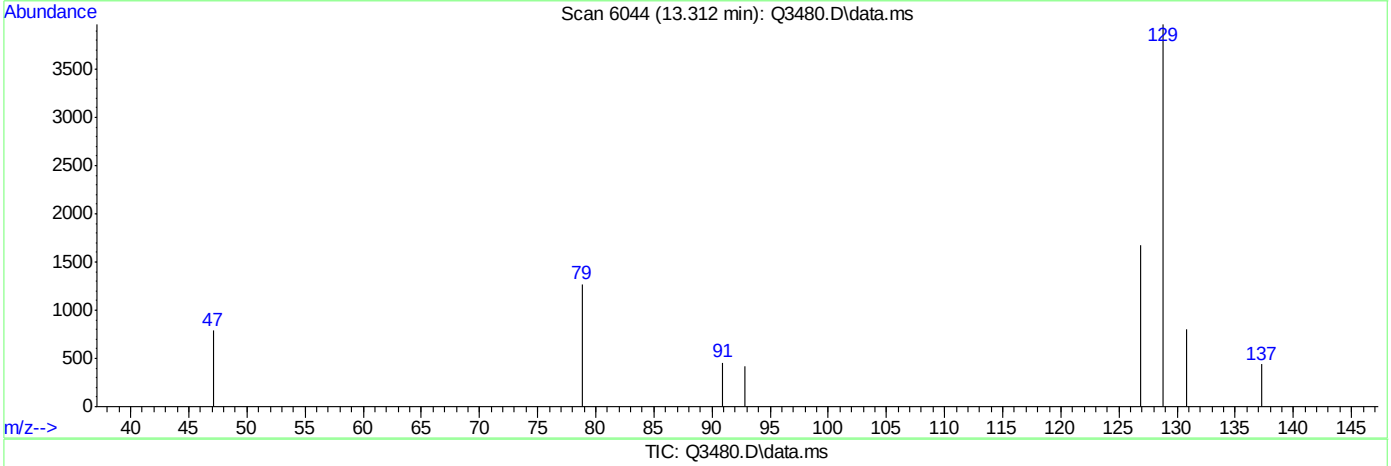
Quantitation Report (Qedit)

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

(52) DIBROMOCHLOROMETHANE (m)

13.312min (-0.004) 0.16PPBV m

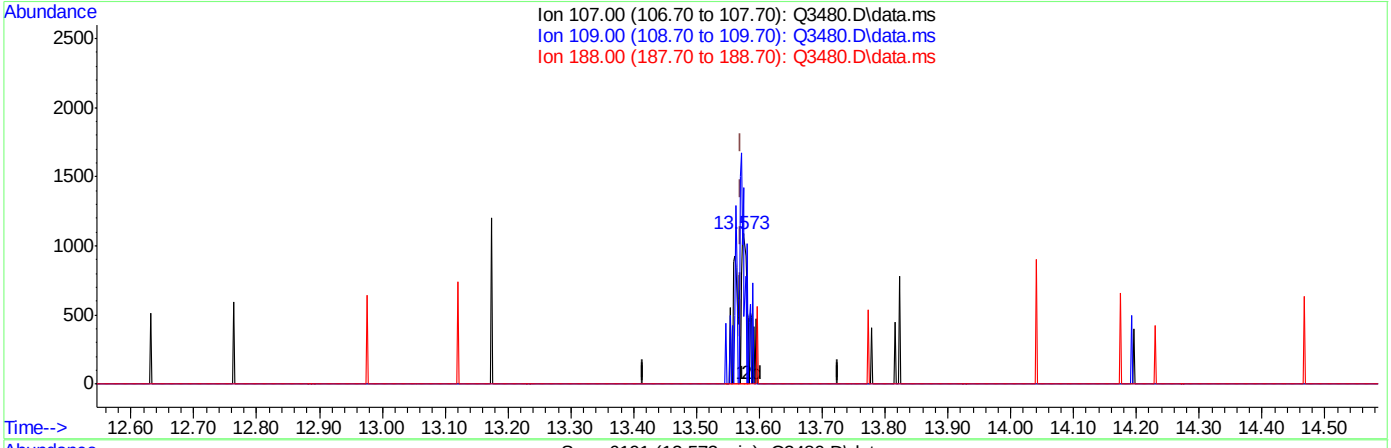
response 3752

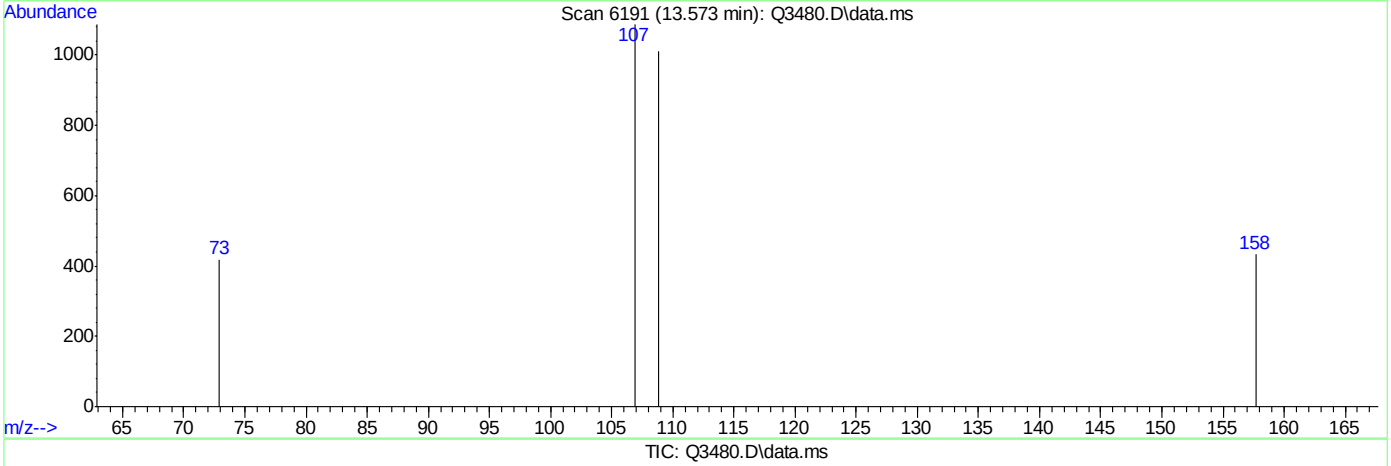
Ion	Exp%	Act%
129.00	100	100
127.00	78.00	68.50
131.00	25.60	2.00#
0.00	0.00	0.00

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

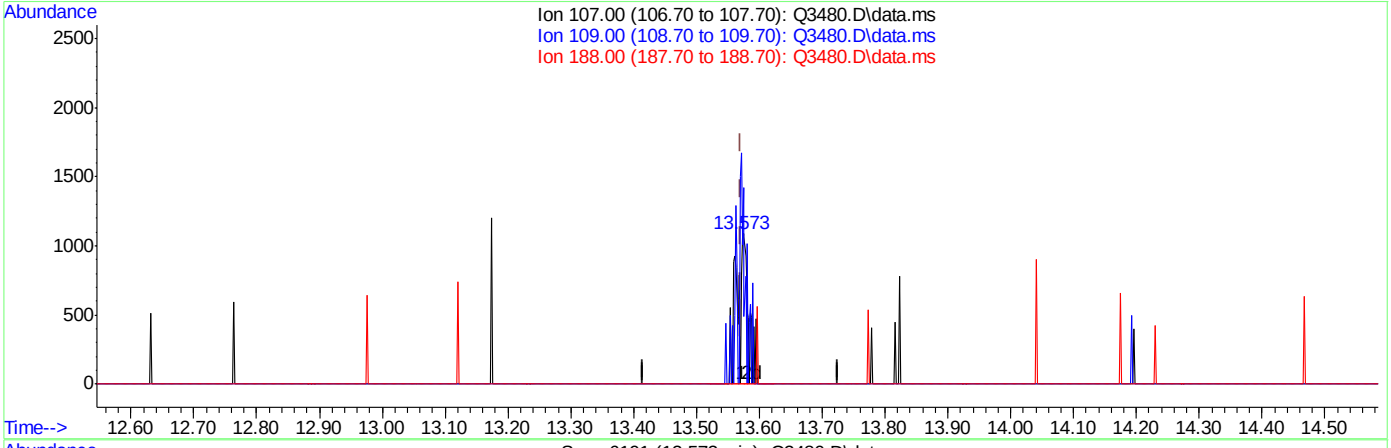
response 1246

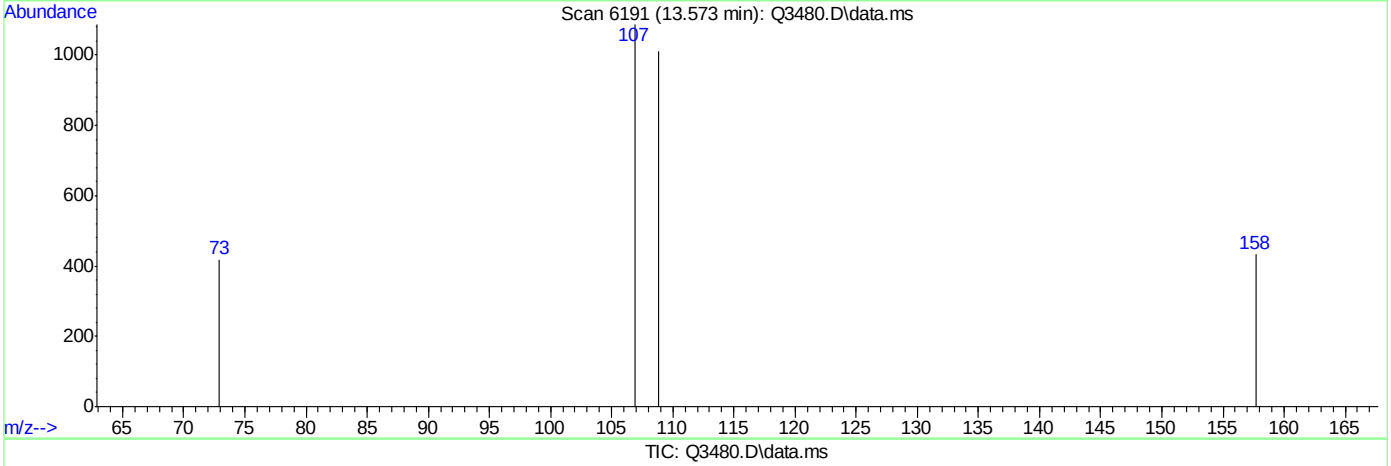
Ion	Exp%	Act%
107.00	100	100
109.00	93.80	116.69#
188.00	2.80	0.00
0.00	0.00	0.00

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

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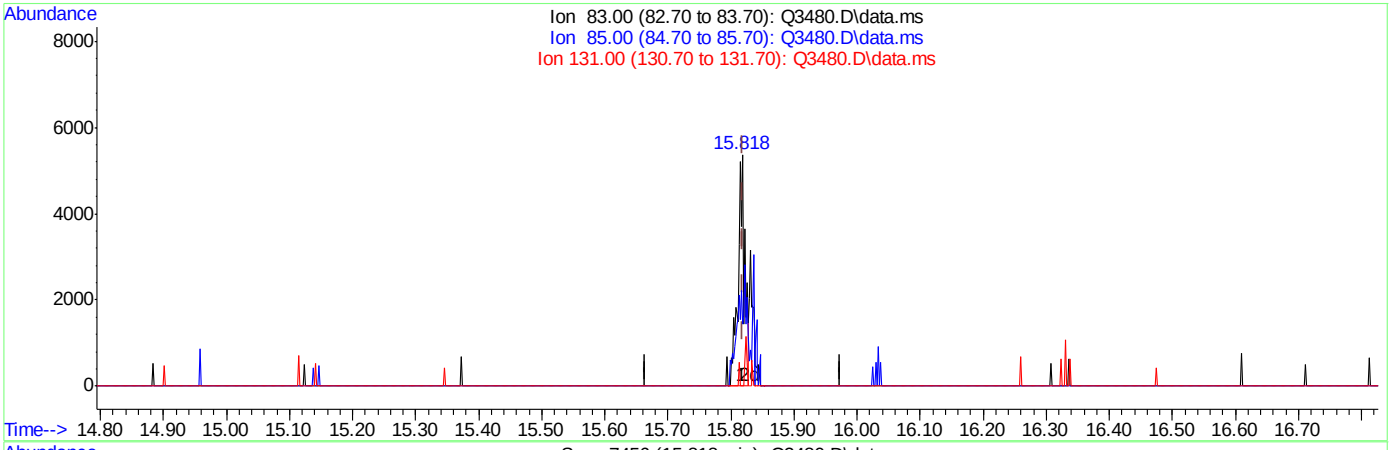
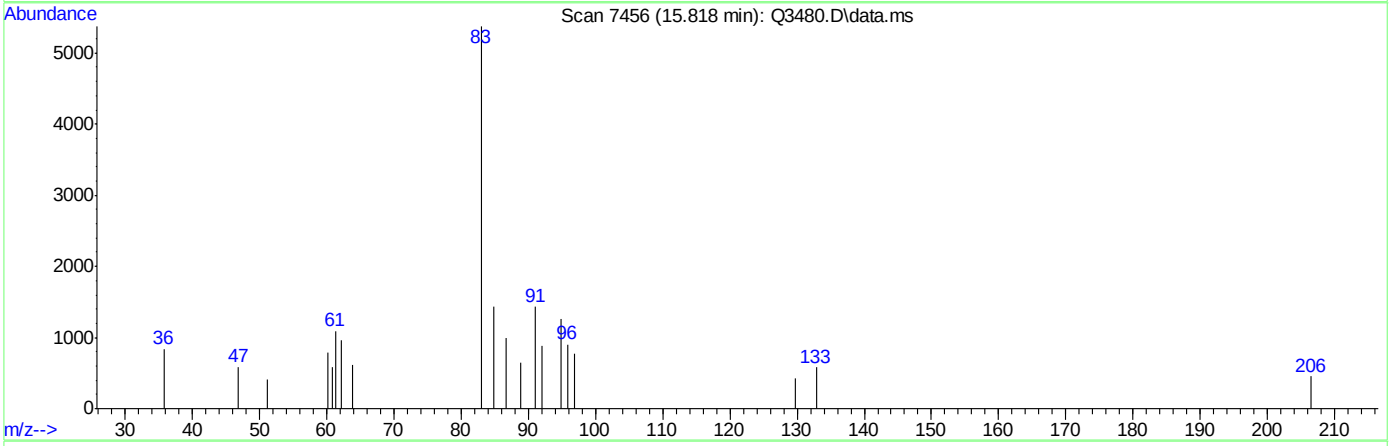
Quantitation Report (Qedit)

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

(62) 1,1,2,2-TETRACHLOROETHANE (m)

15.818min (-0.002) 0.17PPBV

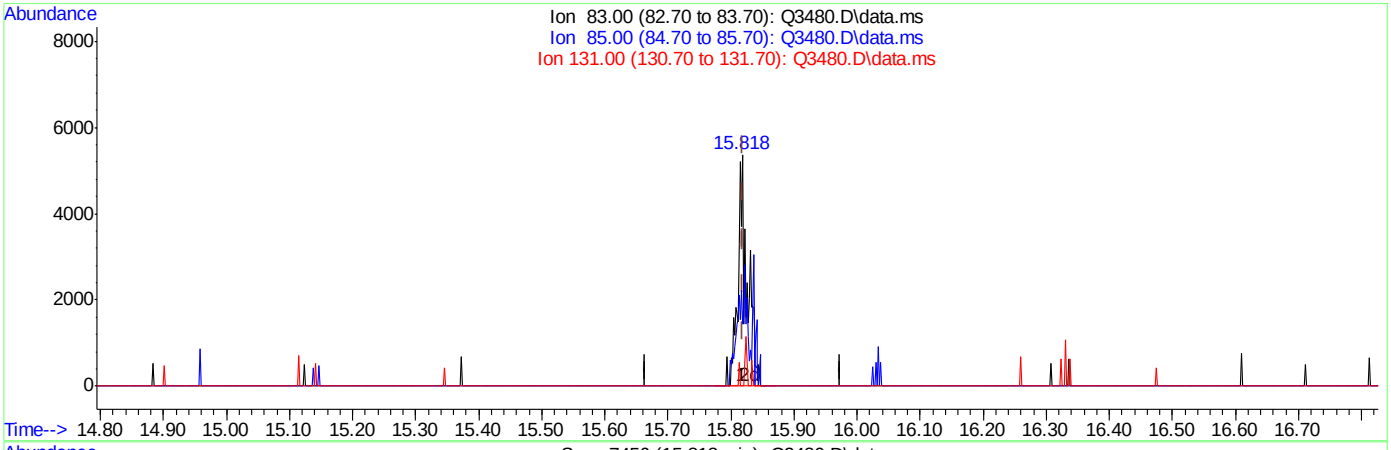
response 3953

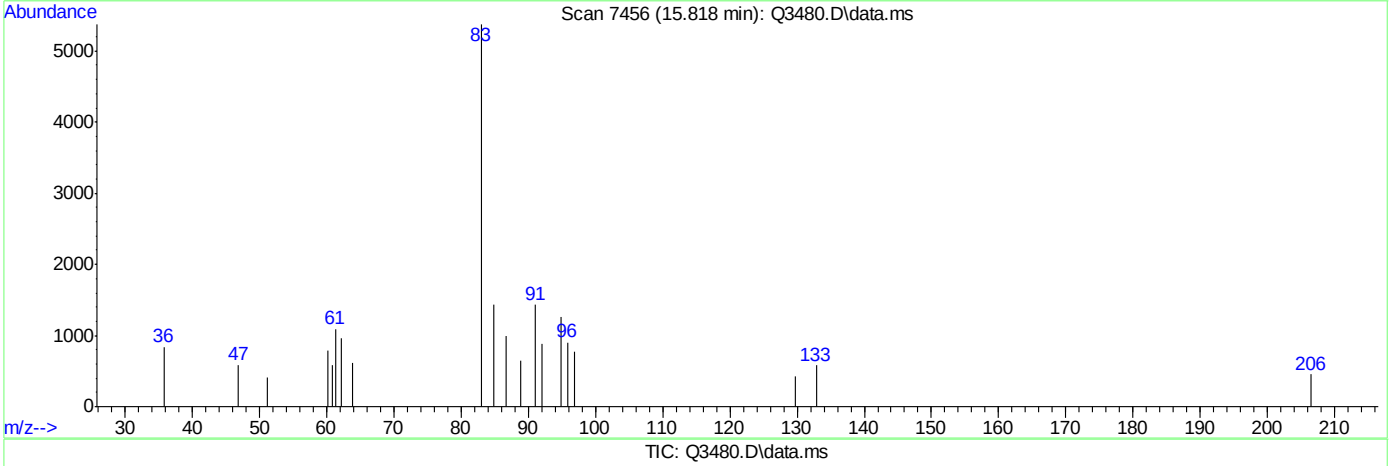
Ion	Exp%	Act%
83.00	100	100
85.00	63.60	0.00#
131.00	14.70	6.20
0.00	0.00	0.00

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

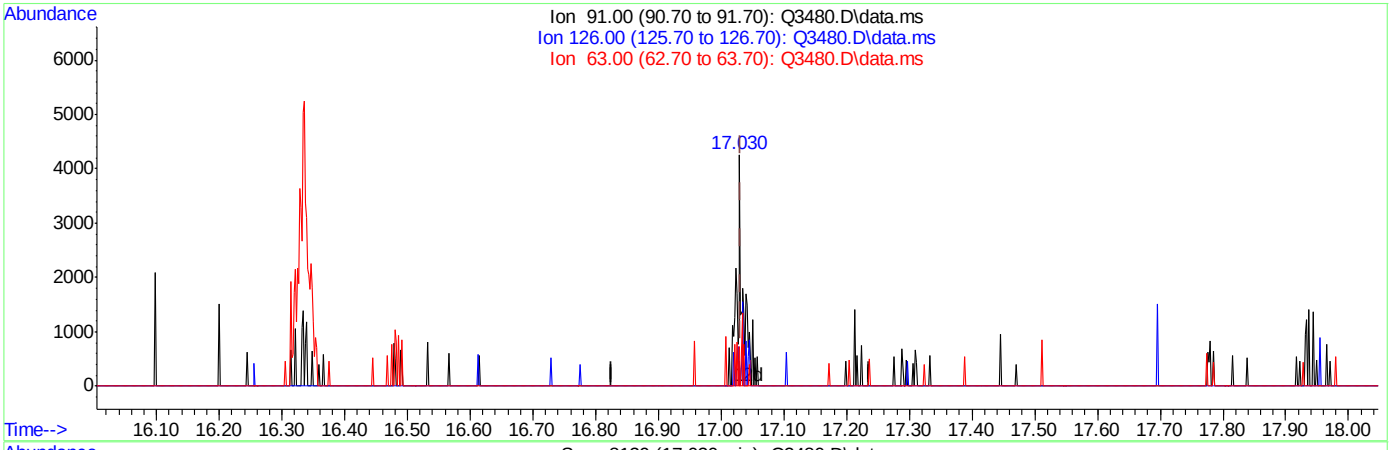
response 5486

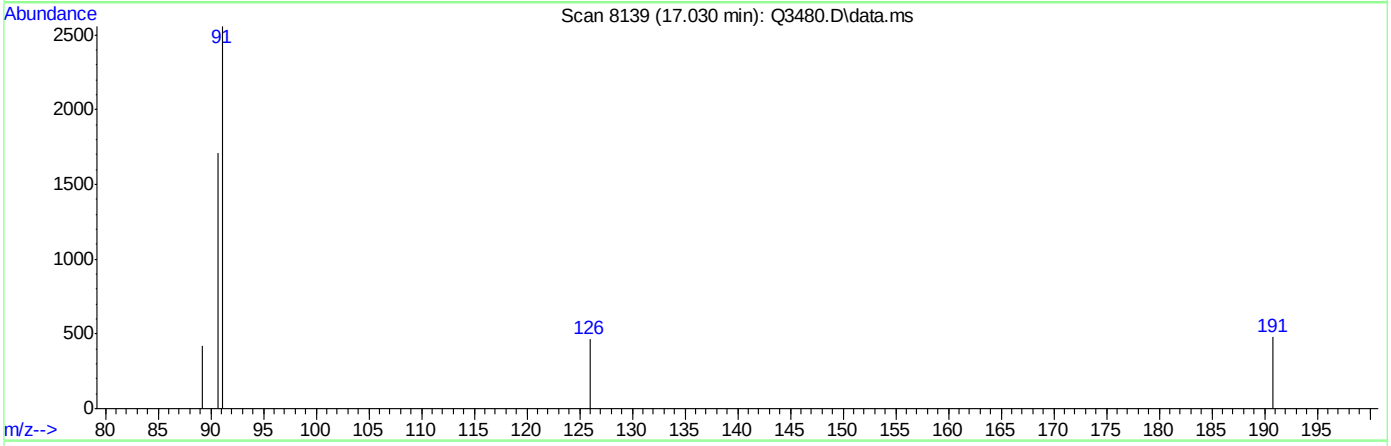
Ion	Exp%	Act%
83.00	100	100
85.00	63.60	0.00#
131.00	14.70	4.47
0.00	0.00	0.00

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) 0.10PPBV

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

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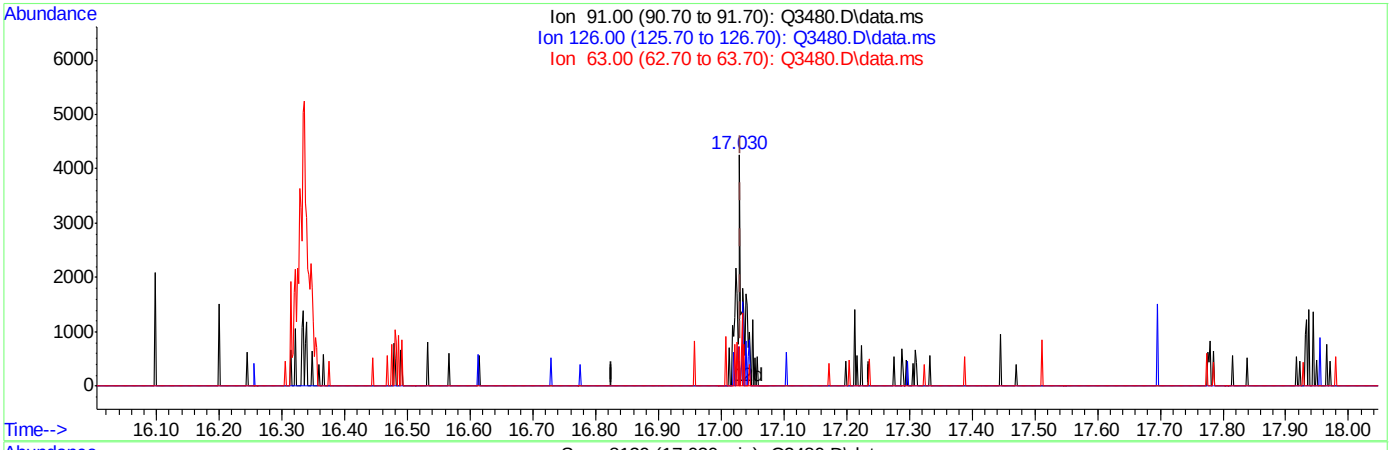
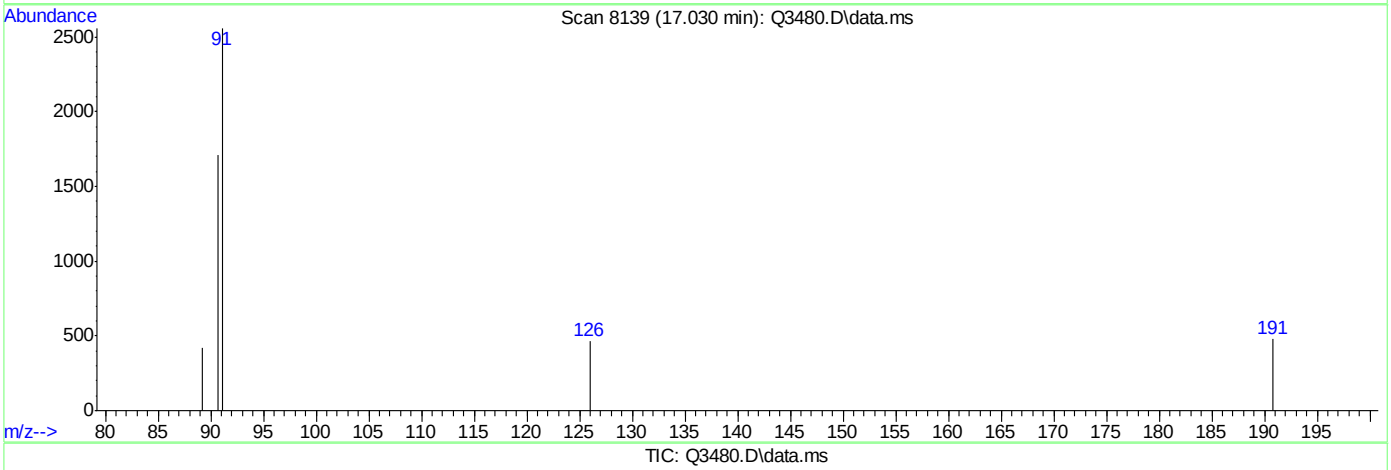
Quantitation Report (Qedit)

```
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
```



(64) 2-CHLOROTOLUENE (m)

17.030min (-0.002) 0.11PPBV m

response 3006

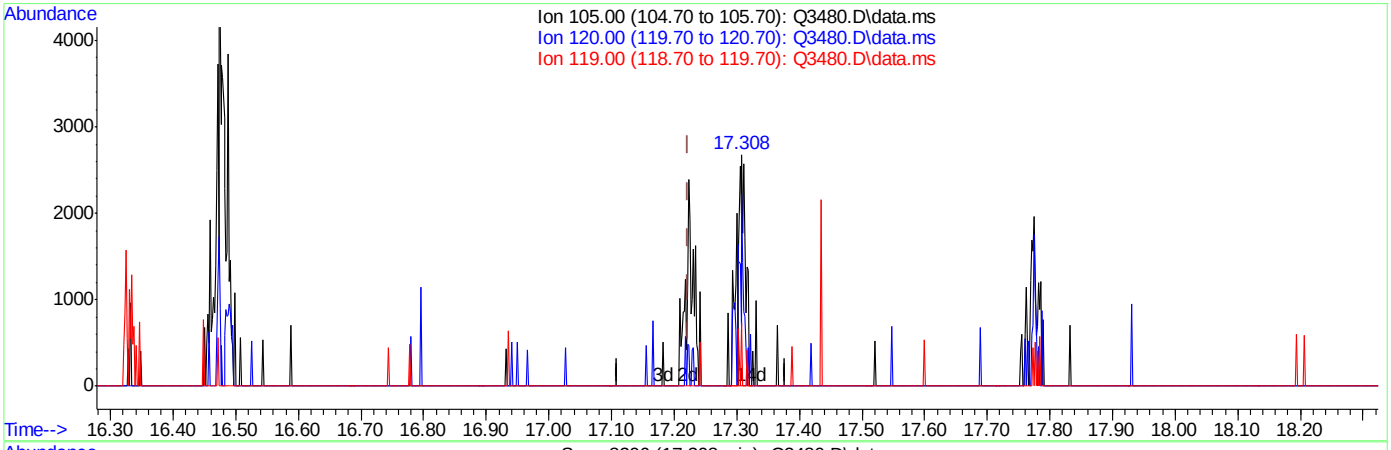
Ion	Exp%	Act%
91.00	100	100
126.00	36.10	16.60
63.00	18.60	10.11
0.00	0.00	0.00

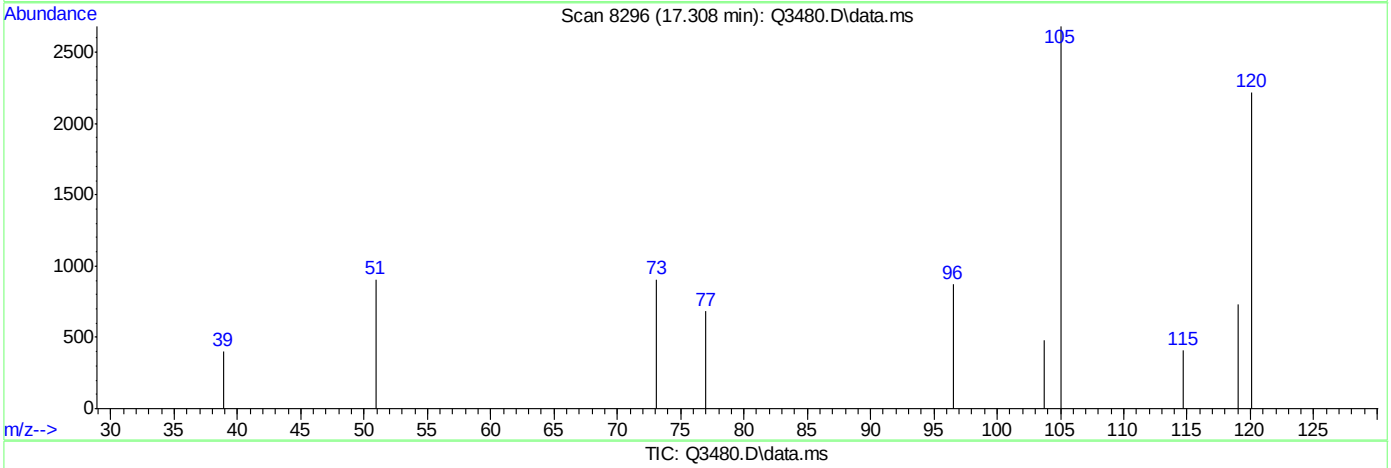
ACCUTEST Laboratories M65248

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

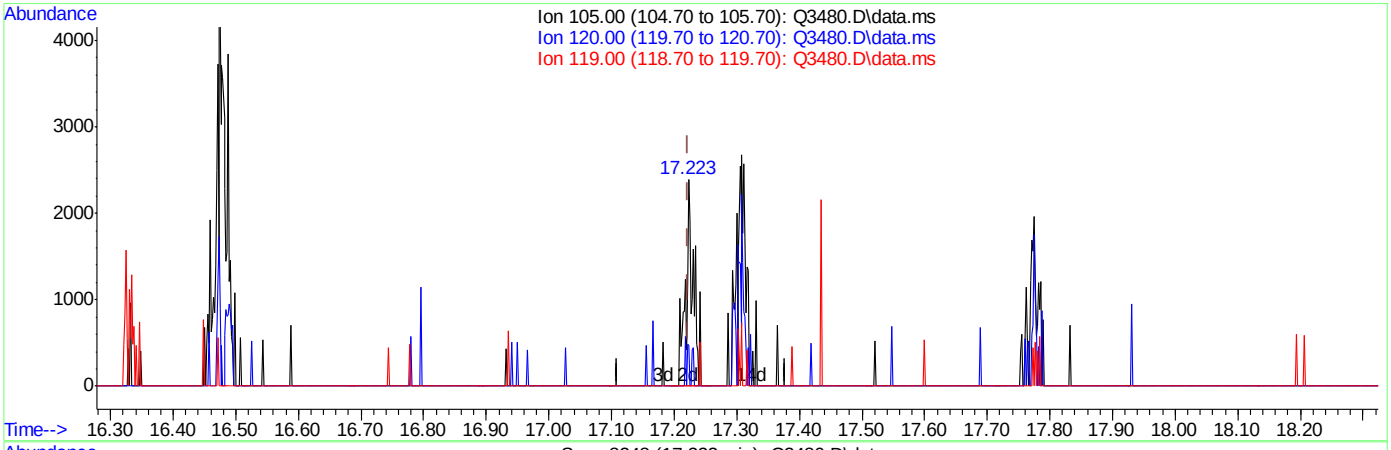
Ion	Exp%	Act%
105.00	100	100
120.00	30.20	44.67
119.00	2.30	8.06
0.00	0.00	0.00

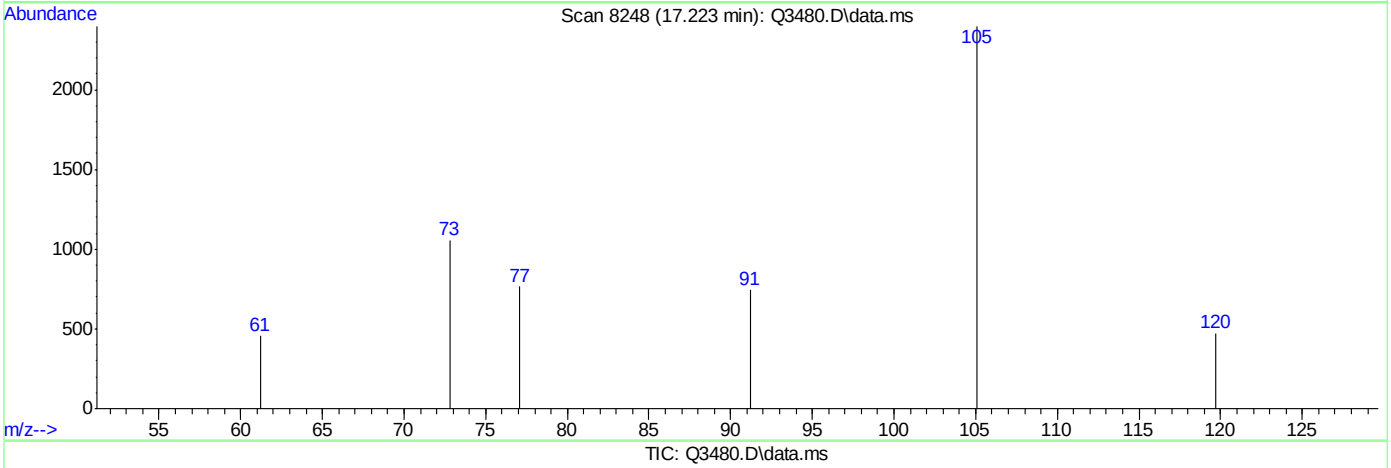
ACCUTEST Laboratories M65248

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

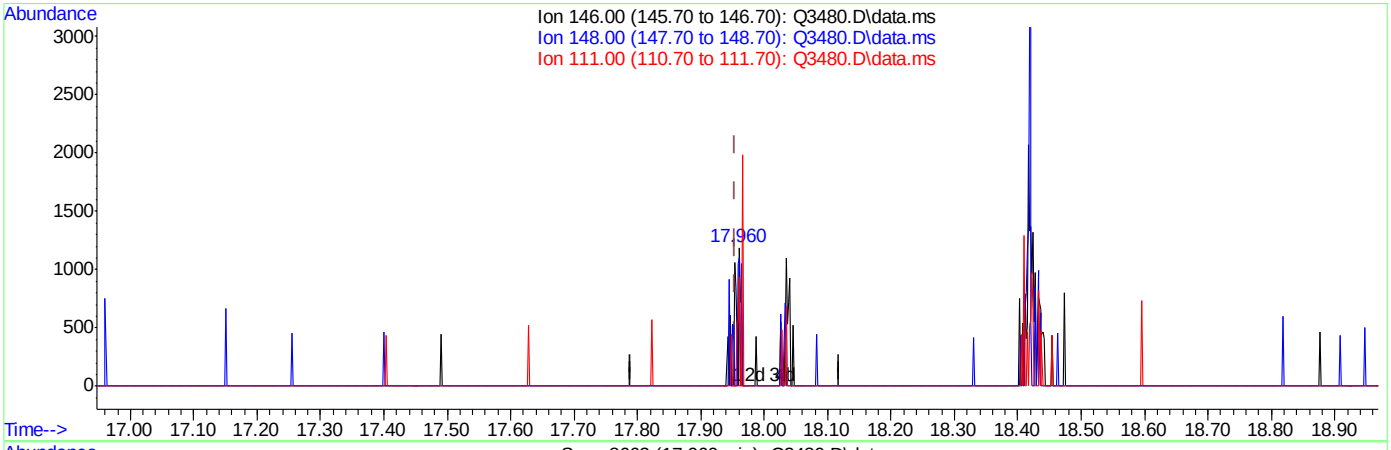
response 2006

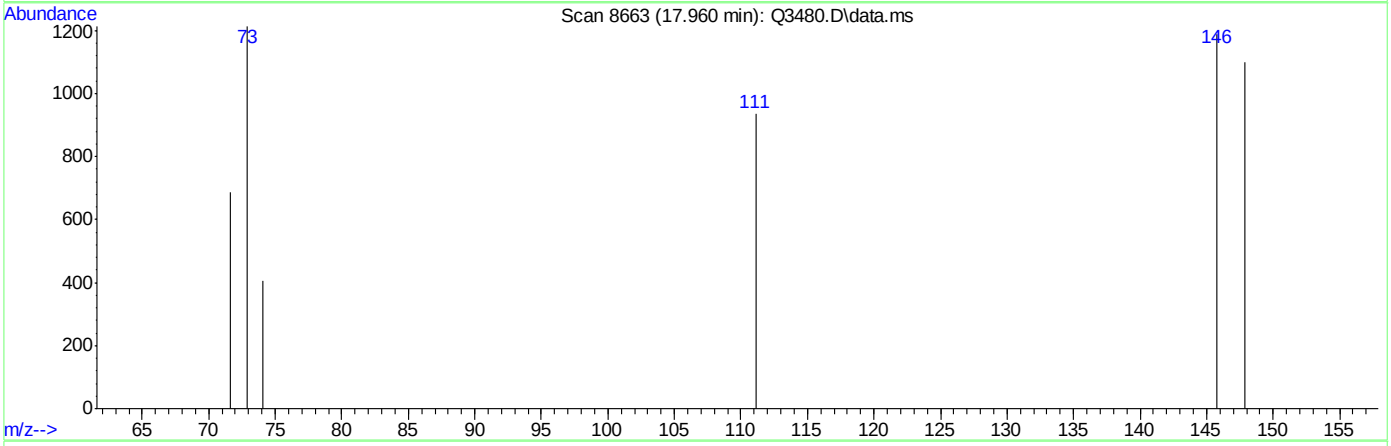
Ion	Exp%	Act%
105.00	100	100
120.00	30.20	60.52#
119.00	2.30	10.92
0.00	0.00	0.00

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

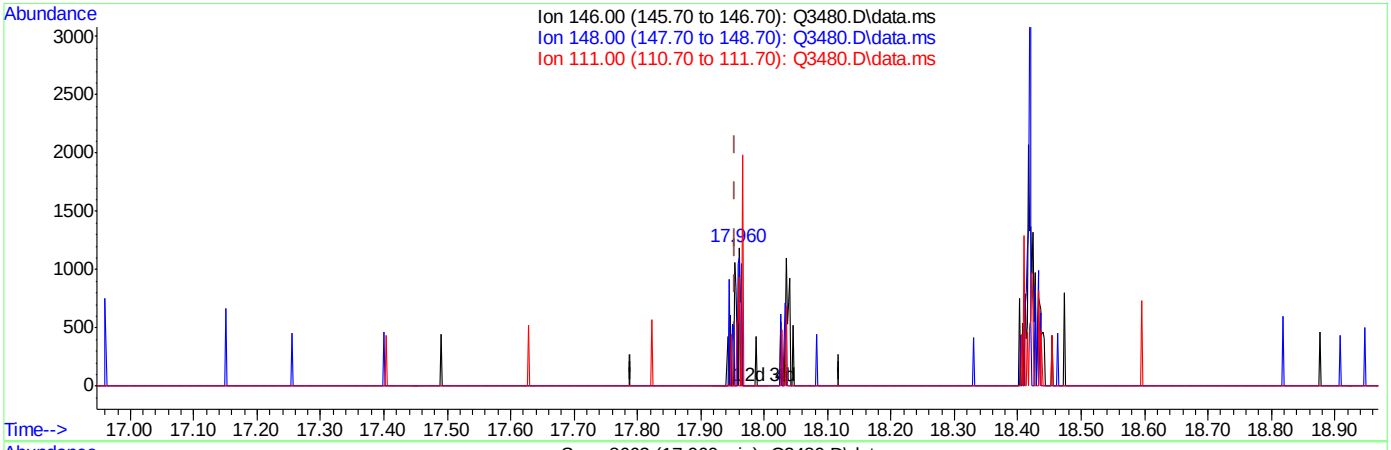
response 530

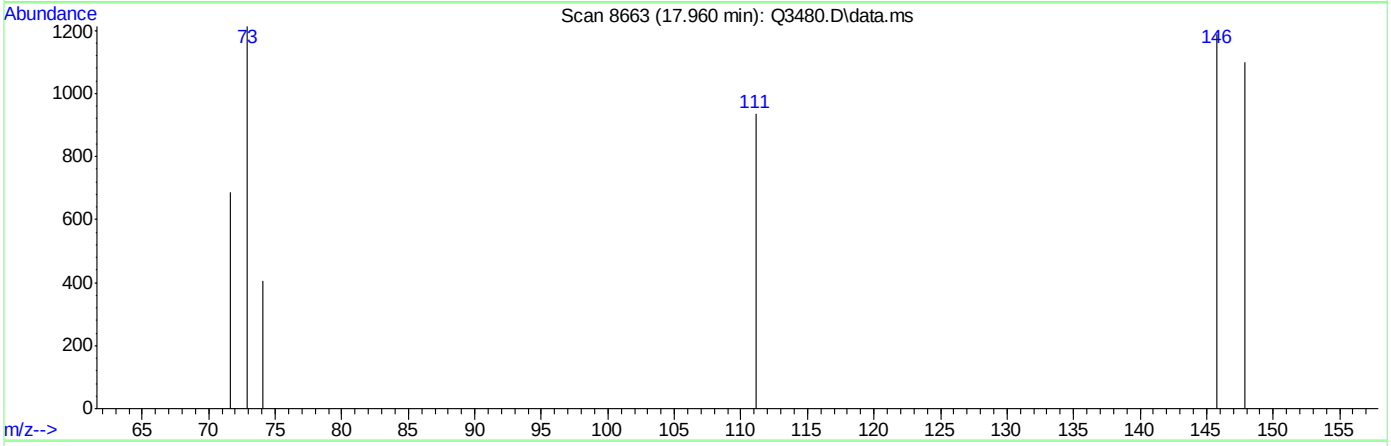
Ion	Exp%	Act%
146.00	100	100
148.00	62.90	64.34
111.00	41.00	80.57#
0.00	0.00	0.00

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

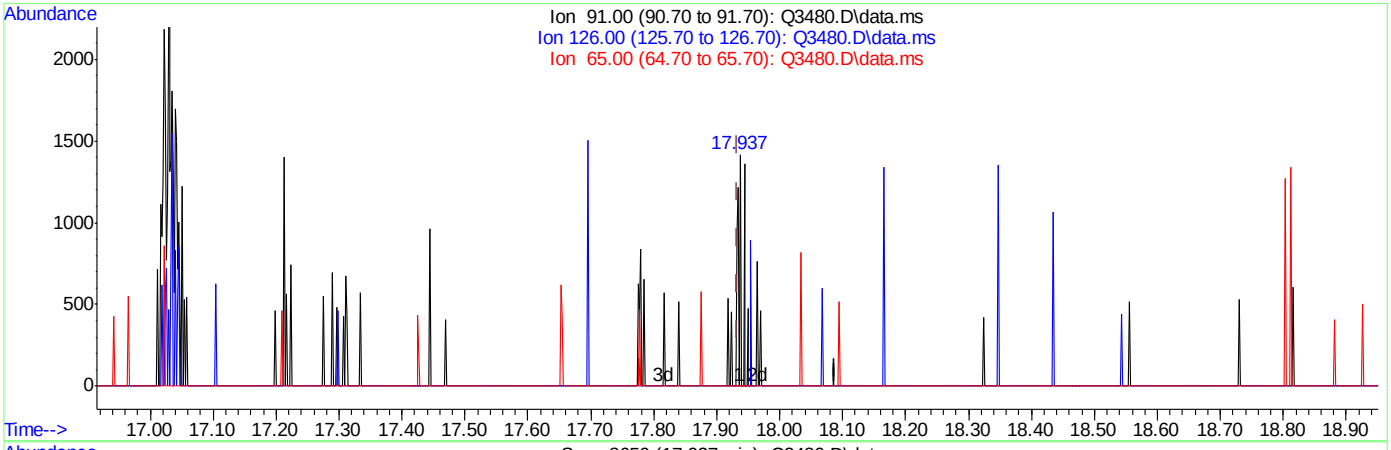
response 685

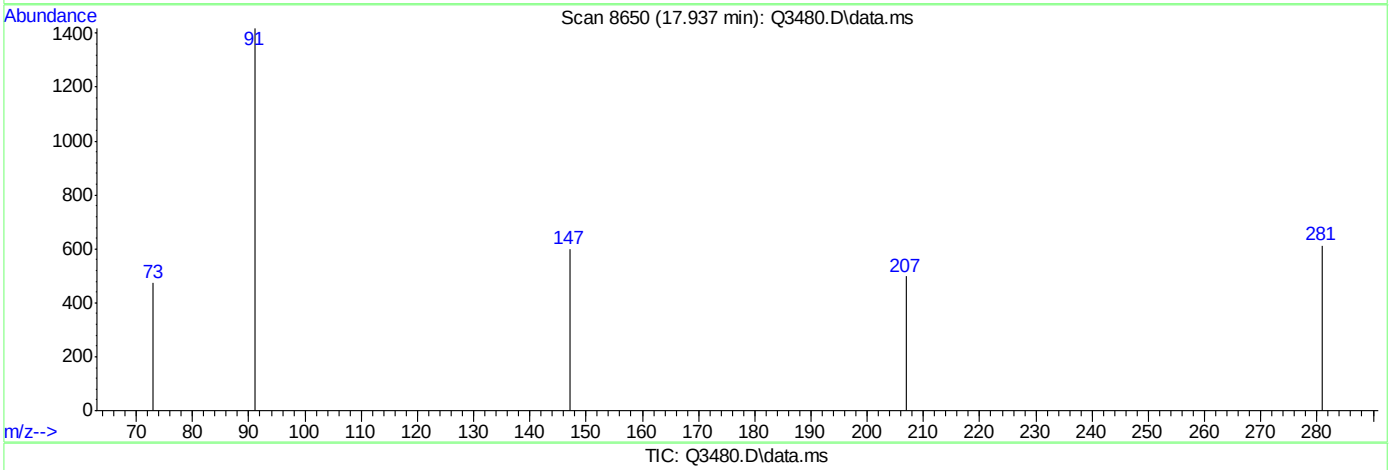
Ion	Exp%	Act%
146.00	100	100
148.00	62.90	49.78
111.00	41.00	62.34#
0.00	0.00	0.00

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

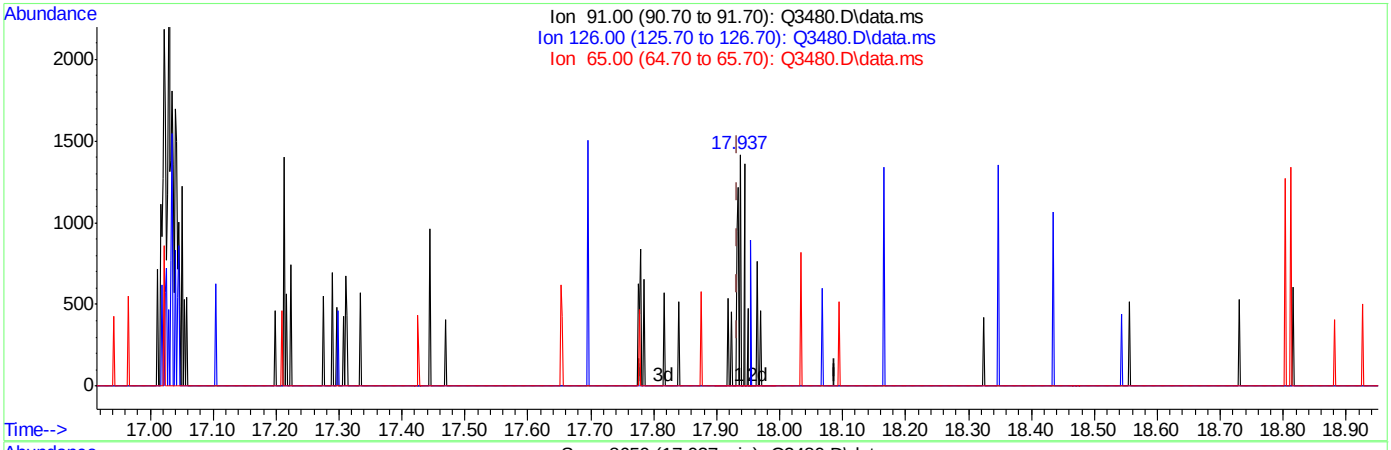
response 684

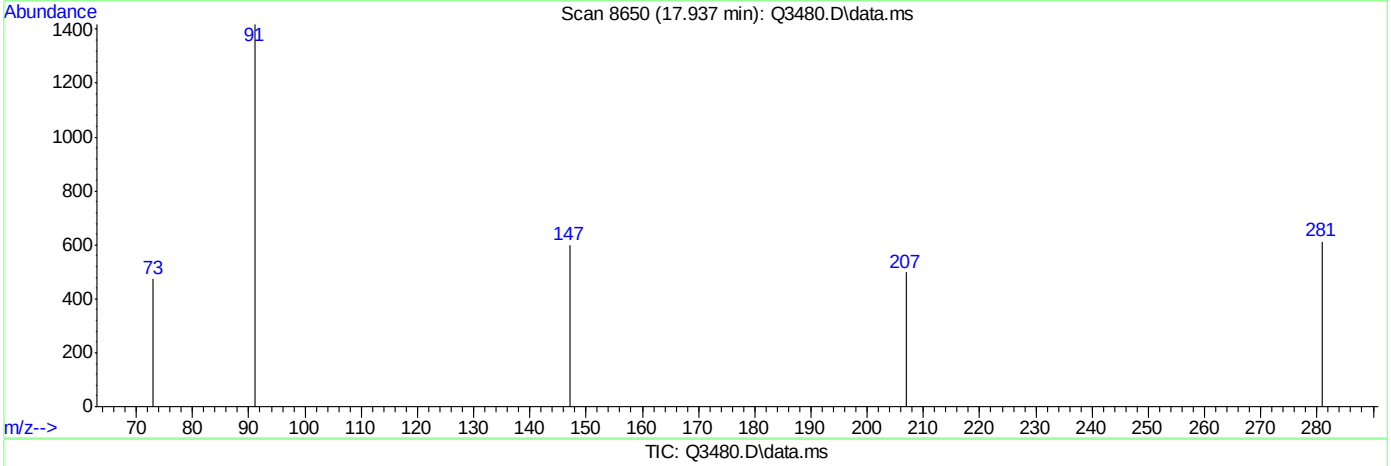
Ion	Exp%	Act%
91.00	100	100
126.00	20.90	0.00#
65.00	12.30	0.00
0.00	0.00	0.00

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

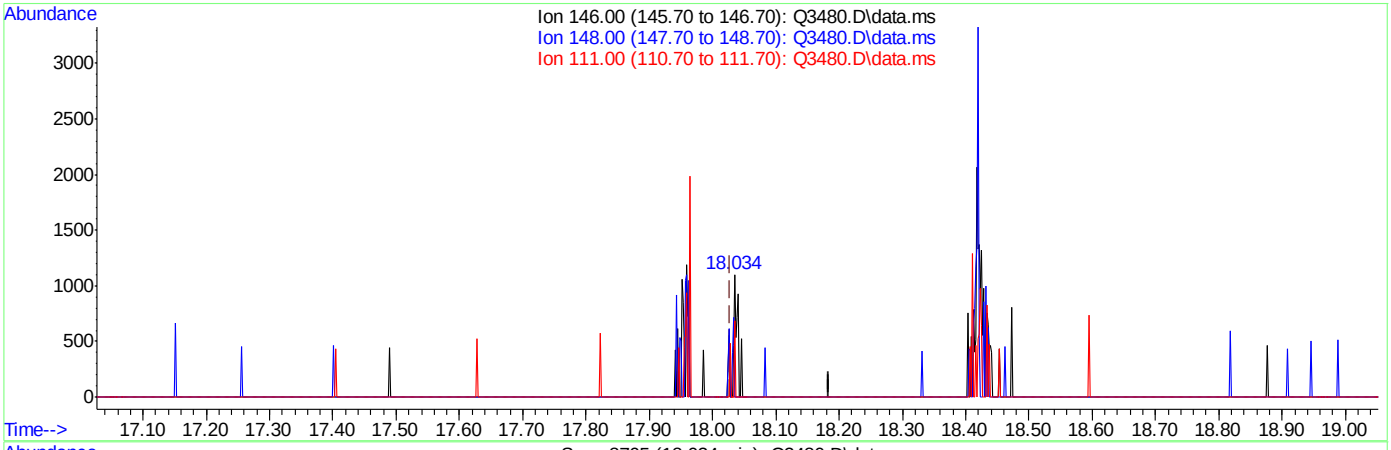
response 813

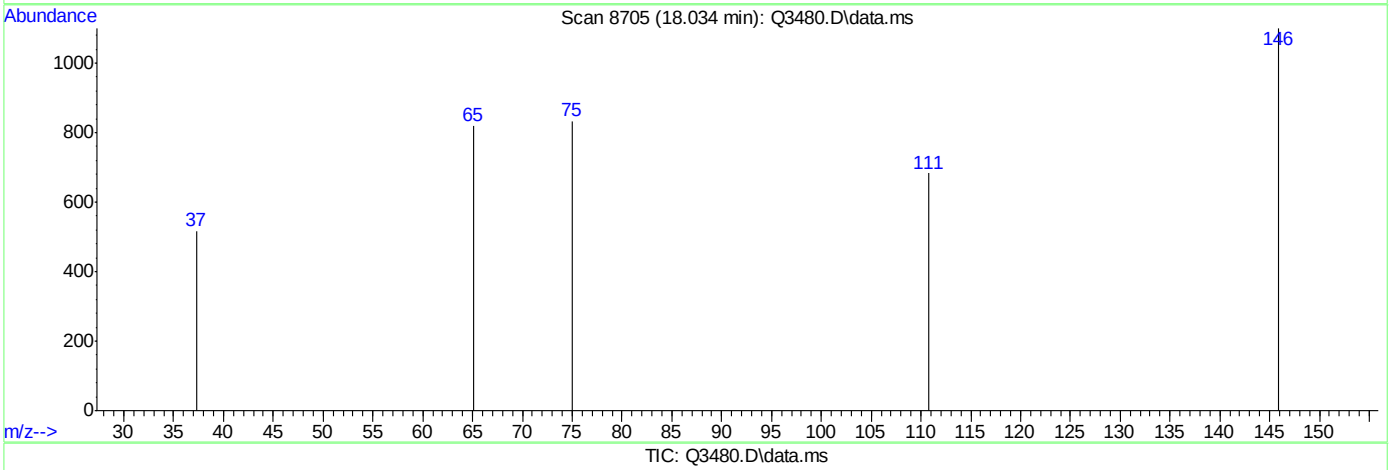
Ion	Exp%	Act%
91.00	100	100
126.00	20.90	0.00#
65.00	12.30	0.00
0.00	0.00	0.00

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

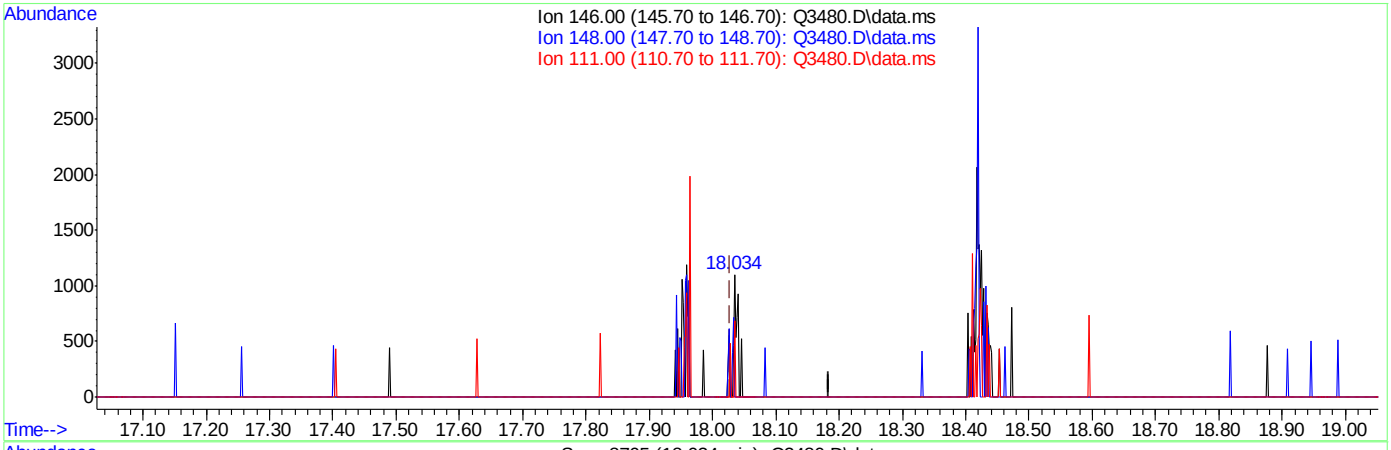
Ion	Exp%	Act%
146.00	100	100
148.00	64.20	40.44#
111.00	38.90	11.43#
0.00	0.00	0.00

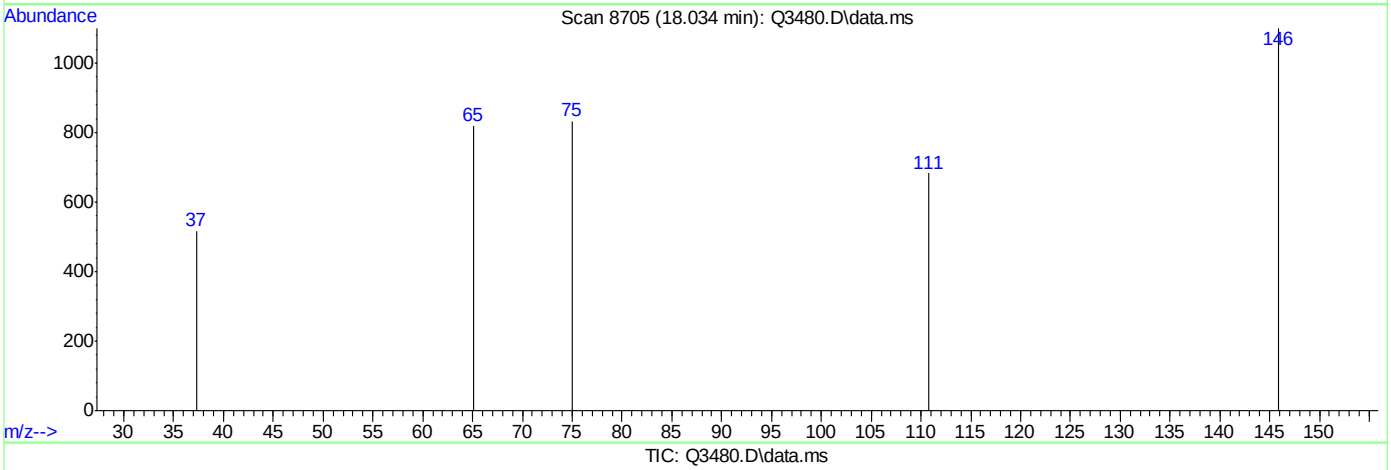
ACCUTEST Laboratories M65248

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

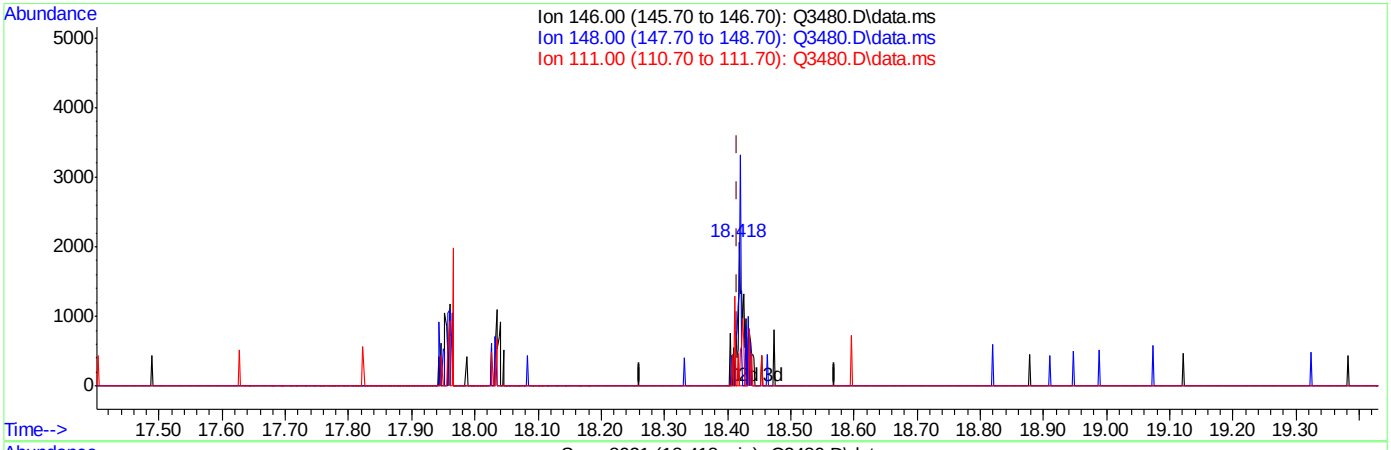
response 514

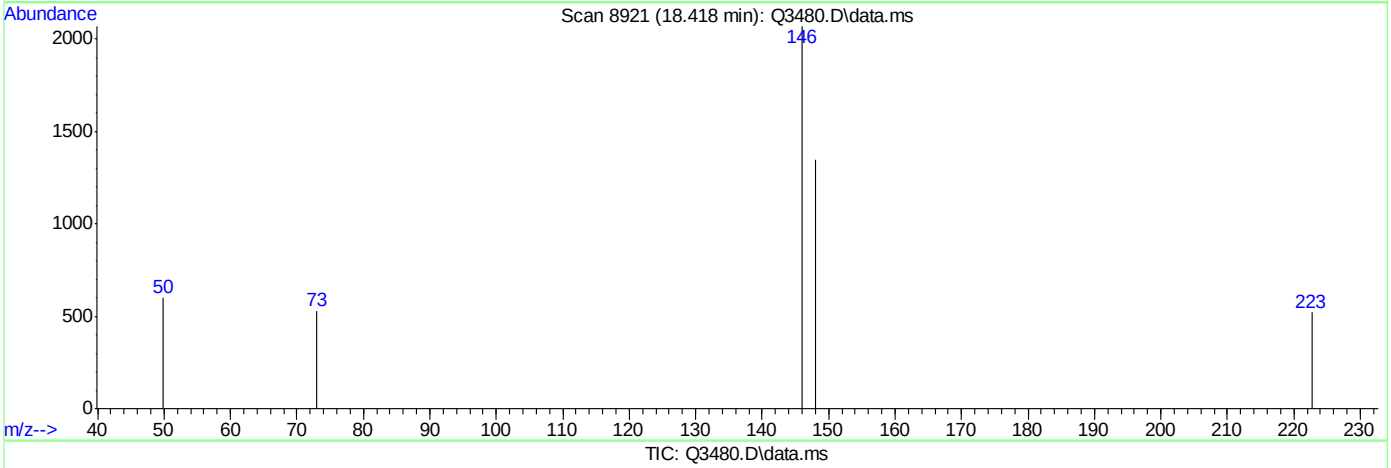
Ion	Exp%	Act%
146.00	100	100
148.00	64.20	35.80#
111.00	38.90	10.12#
0.00	0.00	0.00

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

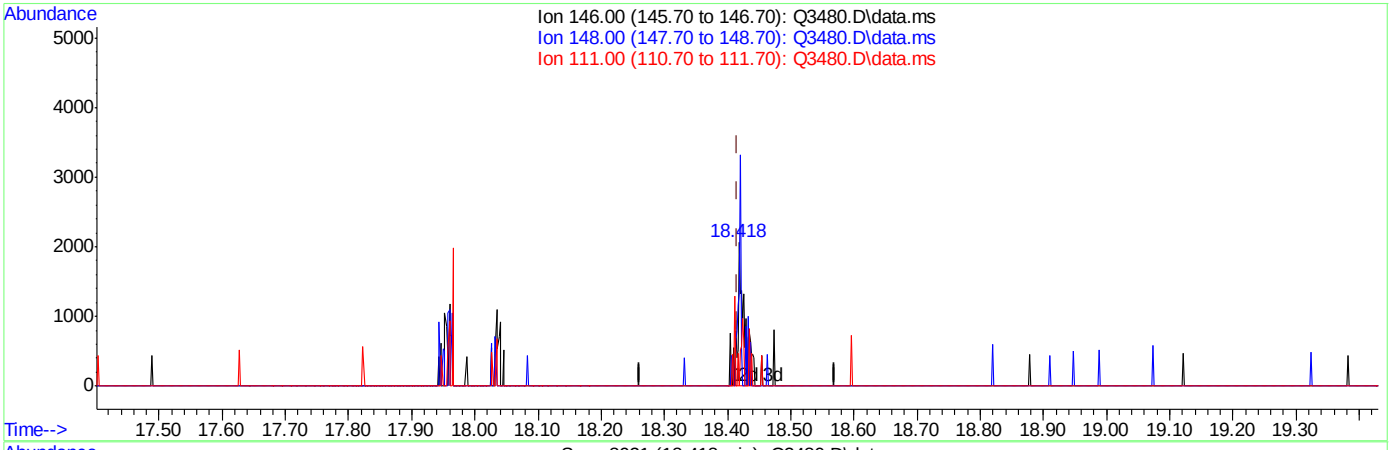
Ion	Exp%	Act%
146.00	100	100
148.00	64.40	75.22
111.00	40.90	38.46
0.00	0.00	0.00

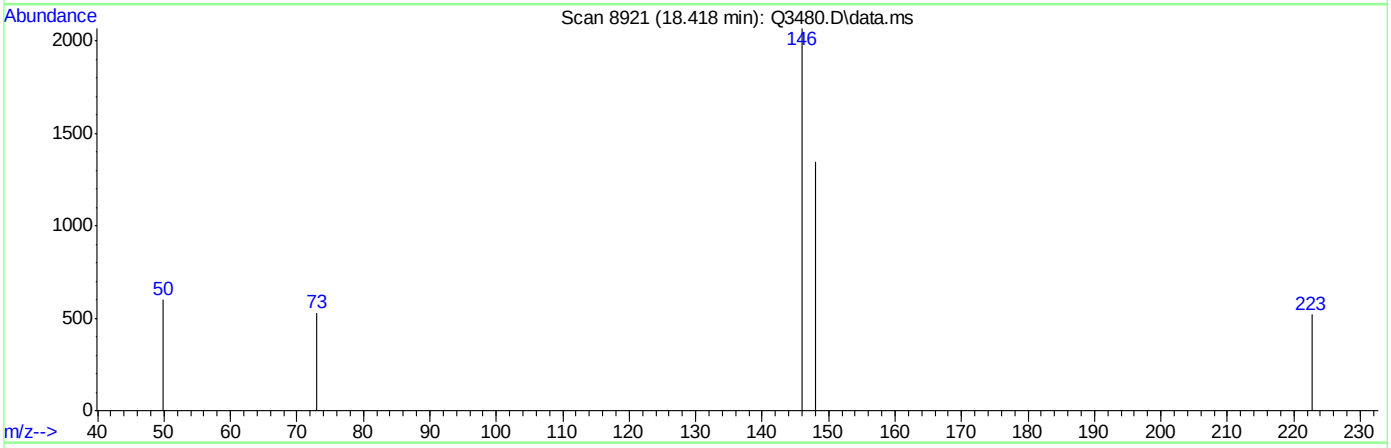
ACCUTEST Laboratories M65248

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

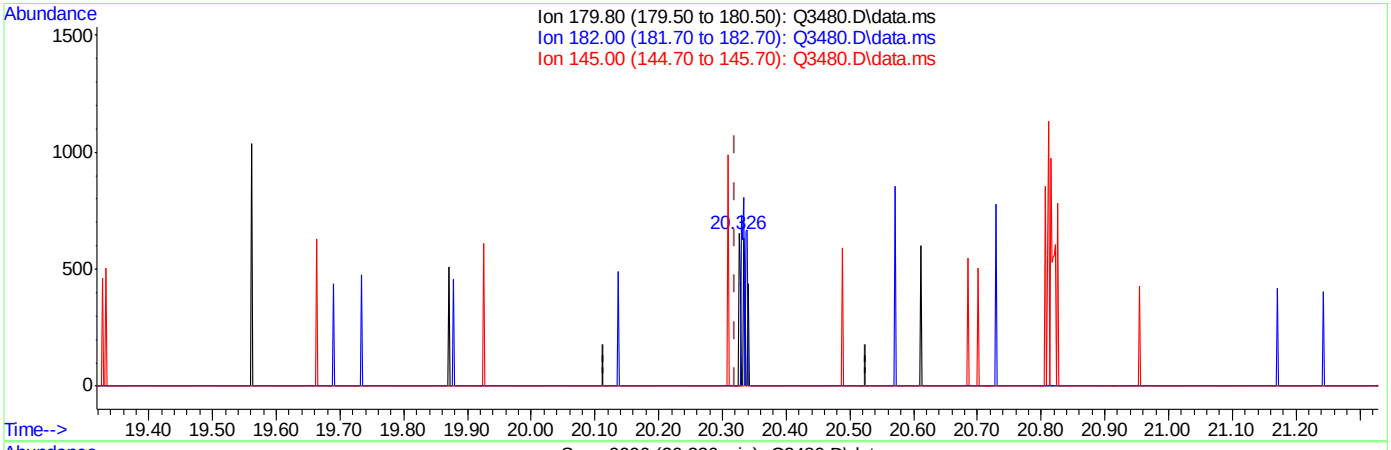
response 1598

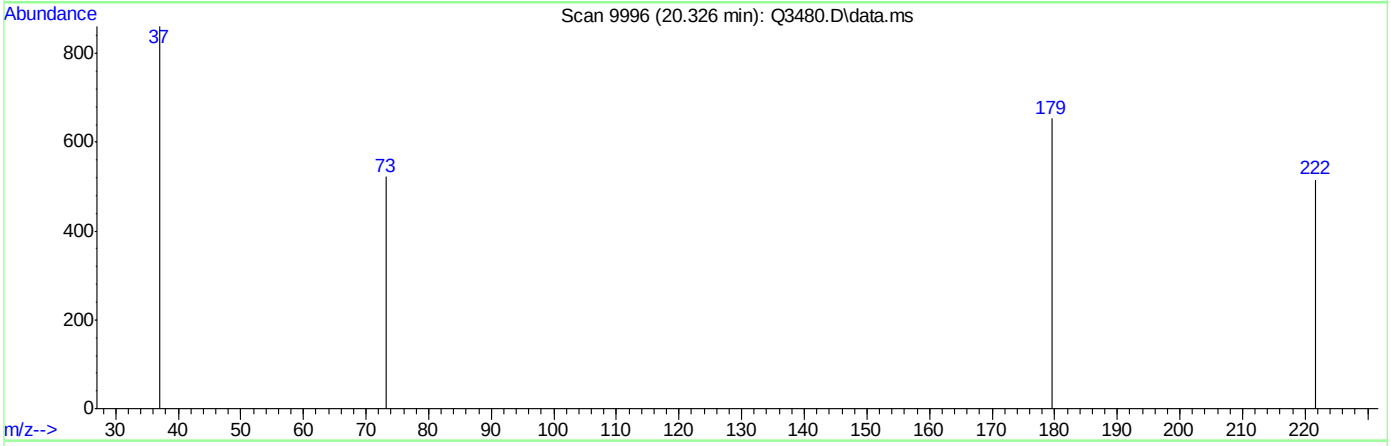
Ion	Exp%	Act%
146.00	100	100
148.00	64.40	58.14
111.00	40.90	29.72
0.00	0.00	0.00

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

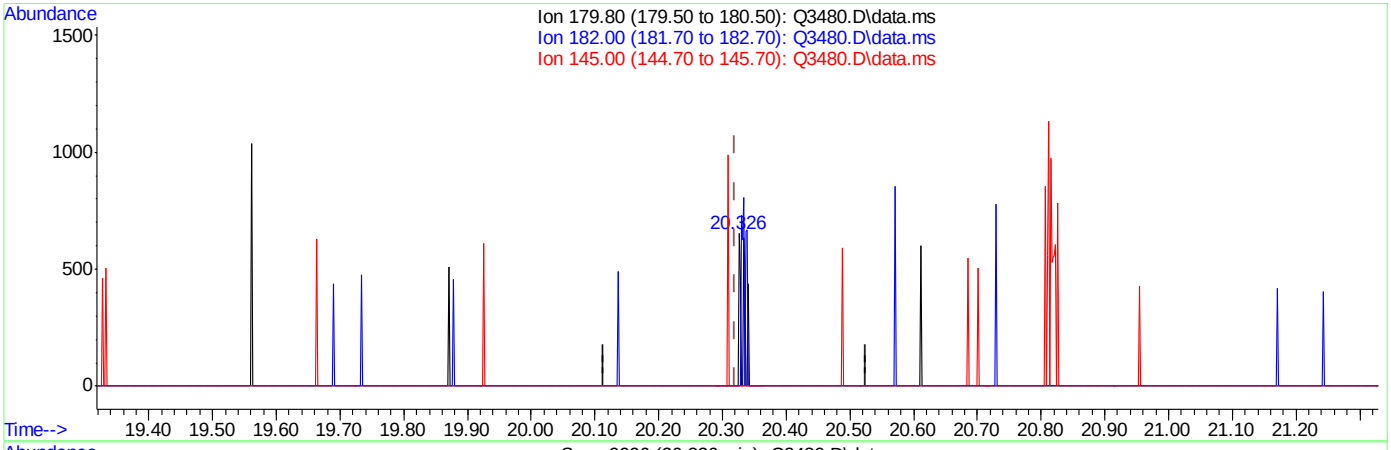
response 118

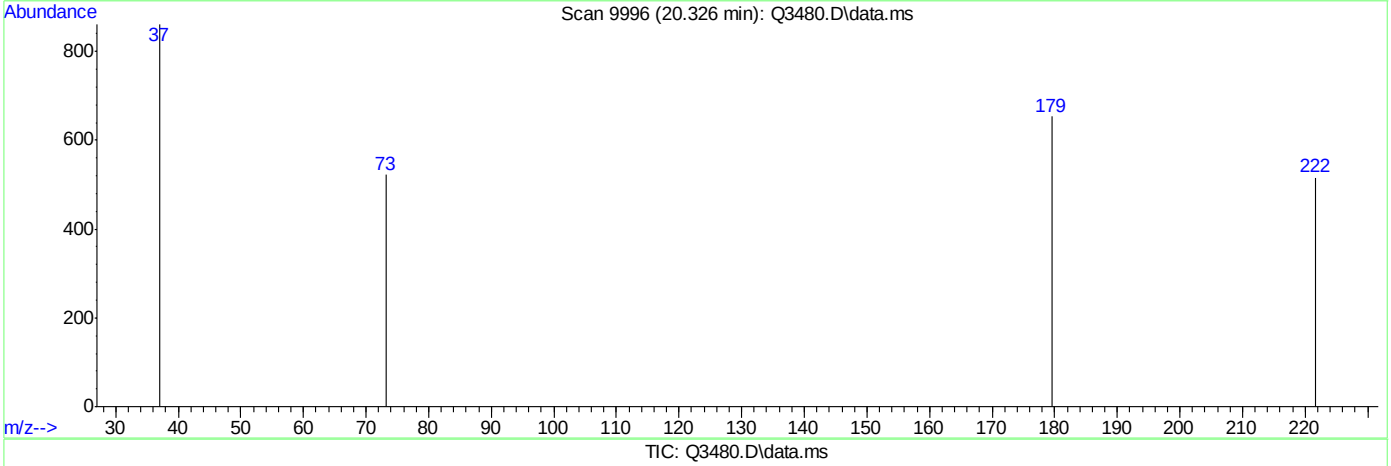
Ion	Exp%	Act%
179.80	100	100
182.00	91.20	315.25#
145.00	35.30	0.00#
0.00	0.00	0.00

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

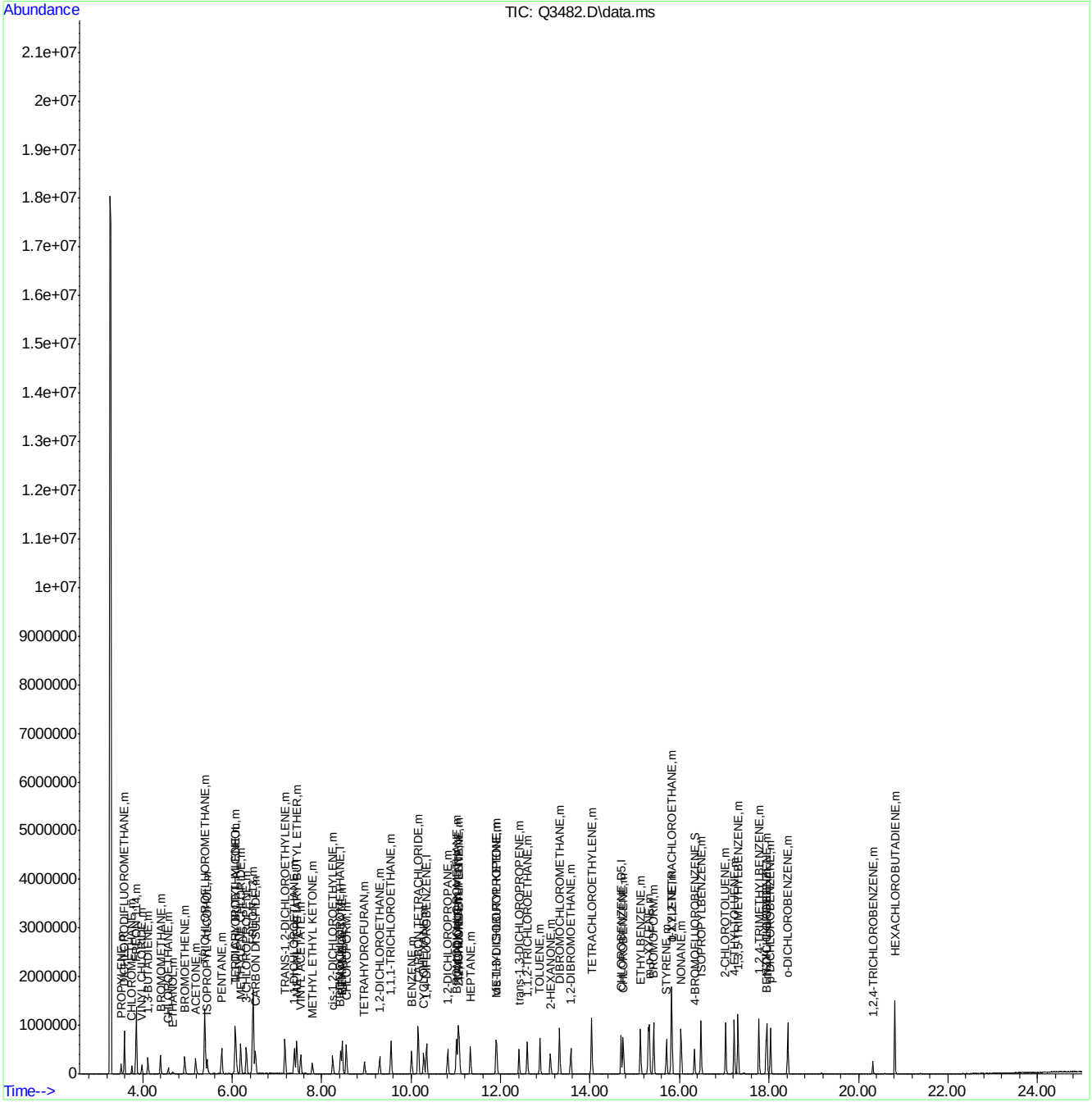
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) METHYL ISOBUTYL KETONE	11.913	43	318707	10.43	PPBV		92
45) cis-1,3-DICHLOROPROPENE	11.892	75	178833	9.57	PPBV	#	82
46) TOLUENE	12.879	92	225708	11.61	PPBV		100
47) trans-1,3-DICHLOROPROPENE	12.412	75	186114	10.21	PPBV	#	100
48) 1,1,2-TRICHLOROETHANE	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

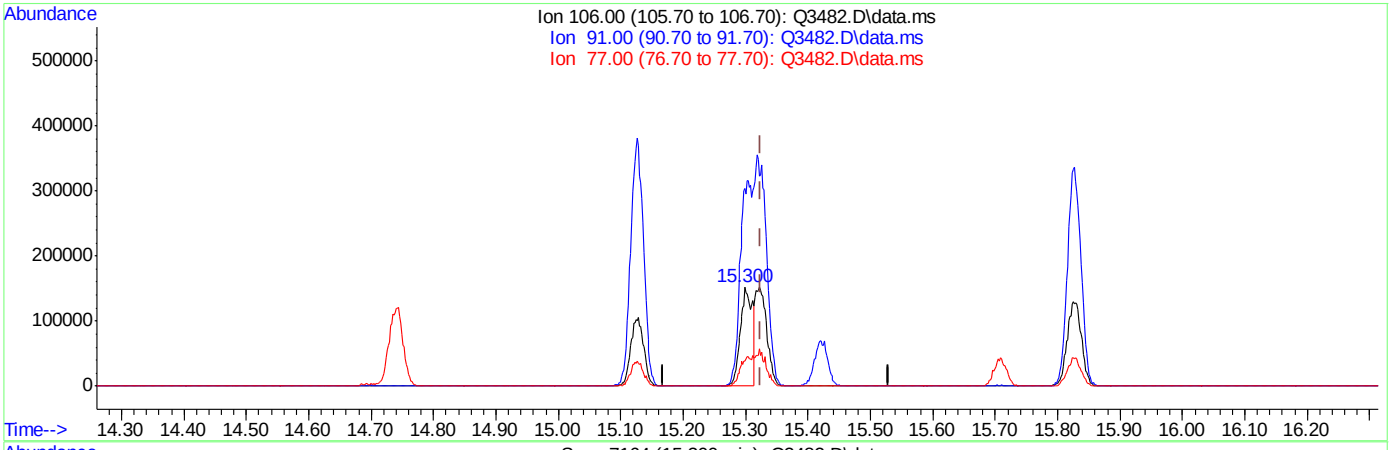
Quant Time: May 22 15:16:57 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:36:34 2007
Response via : Initial Calibration

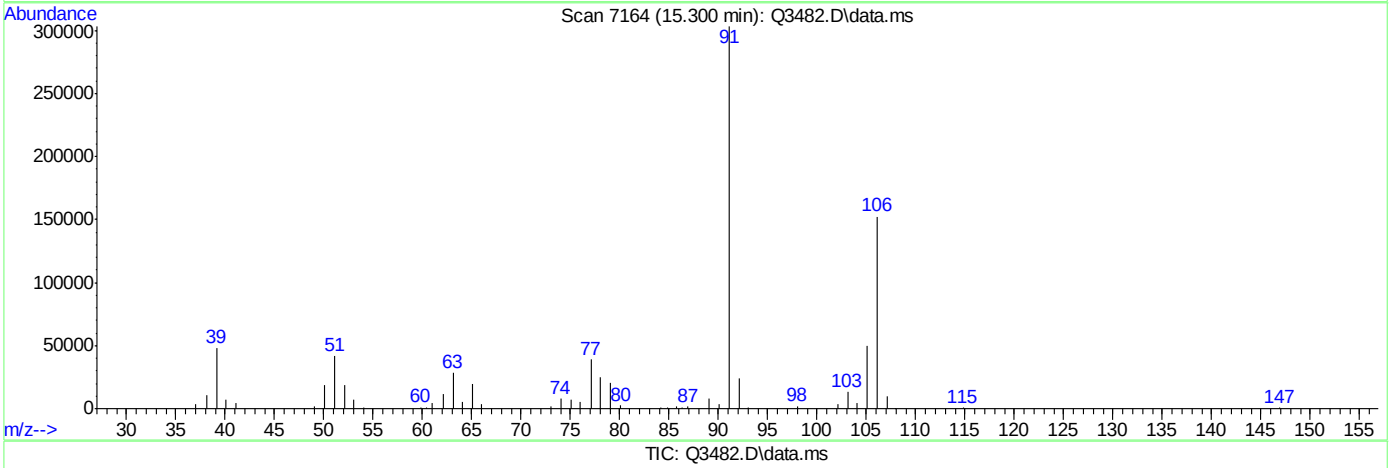


Quantitation Report (Qedit)

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





TIC: Q3482.D\data.ms

(56) m,p-XYLENE (m)

15.300min (-0.024) 9.88PPBV

response 208012

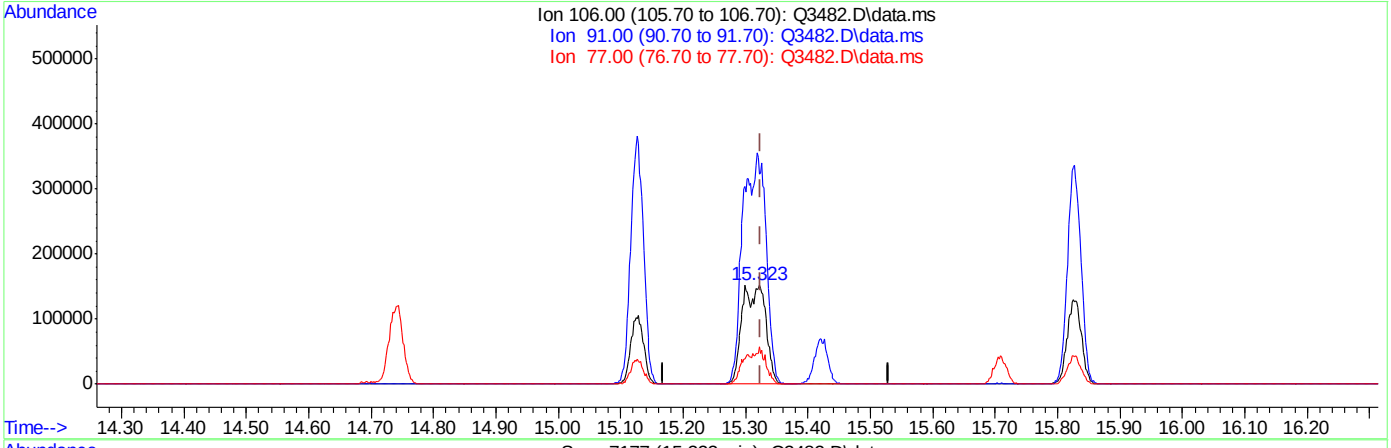
Ion	Exp%	Act%
106.00	100	100
91.00	204.20	199.16
77.00	30.60	25.65
0.00	0.00	0.00

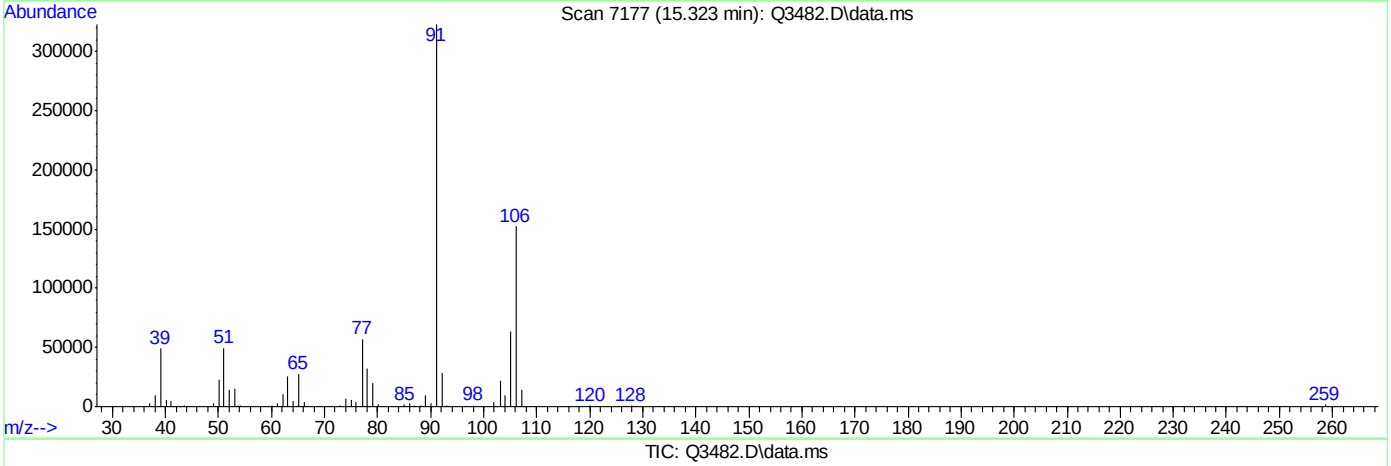
ACCUTEST Laboratories M65248

Quantitation Report (Qedit)

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





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 M65248

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	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.