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

945162

Accutest Job Number: M65404

Sampling Date: 06/07/07

Report to:

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

ATTN: Raymond Siegener, Ph.D.

Total number of pages in report: **283**

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: M65404

Indoor & Outdoor Air Samples Tufts St., Somerville MA
Project No: 945162

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
M65404-1	06/07/07	19:06	TAD	06/08/07	AIR	Air	045162-164GLEN-SS1
M65404-2	06/07/07	19:16	TAD	06/08/07	AIR	Air	045162-164GLEN-SS2

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	GEI Consultants, Inc.	**Job No**	M65404
Site:	Indoor & Outdoor Air Samples Tufts St., Somerville MA	**Report Date**	6/18/2007 11:59:14 AM

2 Samples were collected on 06/07/2007 and were received at Accutest on 06/08/2007 intact. These Samples received an Accutest job number of M65404. 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:** MSJ550

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) M65402-2DUP were used as the QC samples indicated.
- Calibration check results for 1,1-Dichloroethene, 1,1-Dichloroethane, and trans-1,2-Dichloroethene are outside acceptance limits (biased high). Associated sample results are non-detect for these compounds.
- Blank Spike results for 1,1-Dichloroethane, 1,1-Dichloroethene, and trans-1,2-Dichloroethene were outside acceptance limits (biased high). Associated sample results are non-detect for these compounds.

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(M65404).

Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Client Sample ID: 045162-164GLEN-SS1
Lab Sample ID: M65404-1 **Date Sampled:** 06/07/07
Matrix: AIR - Air Summa ID: M115 **Date Received:** 06/08/07
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	J10626.D	1	06/12/07	DFT	n/a	n/a	MSJ550
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	0.19	0.20	ppbv	J	1.0	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	4.8	0.20	ppbv		33	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	97%		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

Accutest Laboratories

Report of Analysis

Client Sample ID:	045162-164GLEN-SS2		
Lab Sample ID:	M65404-2	**Date Sampled:**	06/07/07
Matrix:	AIR - Air Summa ID: M136	**Date Received:**	06/08/07
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	J10627.D	1	06/12/07	DFT	n/a	n/a	MSJ550
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	ND	0.20	ppbv		ND	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	0.17	0.20	ppbv	J	1.2	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	82%		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

CHAIN OF CUSTODY

ACCUTEST Laboratories

Air Sampling Field Data Sheet

FED-EX Tracking #:
Lab Quote #:
Bottle Order Control #:
Lab Job #: M65404

PAGE 1 OF ___

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): Tom Daigle

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

Weather Parameters

Temperature (Fahrenheit)
Start: 75.1 Maximum:
Stop: 72.9 Minimum:

Atmospheric Pressure (inches of Hg)
Start: 30.05 Maximum:
Stop: 30.02 Minimum:

Other weather comment:

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
-1	045162-164GLEN-SS1	SV	M115	6	MC103	6-7-07	1806	30	–	TAD	6-7-07	1906	3.5	–	TAD		
-2	045162-164GLEN-SS2	SV	M136 ~~M103~~	6	MC097	6-7-07	1818	29	–	TAD	6-7-07	1916	5	–	TAD		

Turnaround Time (Business days)

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

Approved By: _____
Date: _____

Data Deliverable Information

Comm A
Comm B
Full T1
Other:

Comments / Remarks

see attached list of analytes

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

Relinquished by Laboratory:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1 GEI lab	6-7-07 1500	1 Tom Daigle	2 Tom Daigle	6-7-07	2 GEI lab
Relinquished by:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
3 GEI LAB	6/8/07 17:26	3 [signature]	4 [signature]	6/8/07 17:26	4 [signature]
Relinquished by:	Date Time:	Received By:	Custody Seal #		
5 R.T	6/8/07	5 R.T			

SM013-01 (2/14/06)

M65404: Chain of Custody
Page 1 of 2

Sub Slab 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: M65404
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA
Received: 06/08/07

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
M115	6	29.4	06/04/07	PB	CP425	J10546A.D	M65404-1	06/11/07	DFT	2			1
M136	6	29.4	06/04/07	PB	CP425	J10546A.D	M65404-2	06/11/07	DFT	4			1

FLOW CONTROLLERS

Shipping					Receiving		
Flow Crtl ID	Date Out	By	cc/ min	Time hrs.	Date In	By	cc/ min
MC097	05/24/07	PB	80	1	06/11/07	DFT	81.5
MC103	05/24/07	PB	80	1	06/11/07	DFT	82.5

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

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

Internal Sample Tracking Chronicle

GEI Consultants, Inc.

Job No: M65404

Indoor & Outdoor Air Samples Tufts St., Somerville MA
Project No: 945162

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
M65404-1	Collected: 07-JUN-07 19:06 By: TAD		Received: 08-JUN-07 By: RS			
045162-164GLEN-SS1						
M65404-1	TO-15	12-JUN-07 17:47	DFT			VTO15STD
M65404-2	Collected: 07-JUN-07 19:16 By: TAD		Received: 08-JUN-07 By: RS			
045162-164GLEN-SS2						
M65404-2	TO-15	12-JUN-07 18:37	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: M65404
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
MSJ550-MB	J10620.D	1	06/12/07	DFT	n/a	n/a	MSJ550

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

M65404-1, M65404-2

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	94%	57-139%

Method Blank Summary

Job Number: M65404
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

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

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

MSQ195-SCC

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

Blank Spike Summary

Job Number: M65404
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
MSJ550-BS	J10618A.D	1	06/12/07	DFT	n/a	n/a	MSJ550

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

M65404-1, M65404-2

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	Limits
75-00-3	Chloroethane	10	11.3	113	70-130
56-23-5	Carbon tetrachloride	10	10.2	102	70-130
75-34-3	1,1-Dichloroethane	10	10	100	70-130
75-35-4	1,1-Dichloroethylene	10	10.1	101	70-130
107-06-2	1,2-Dichloroethane	10	9.0	90	70-130
156-60-5	trans-1,2-Dichloroethylene	10	10.1	101	70-130
156-59-2	cis-1,2-Dichloroethylene	10	9.6	96	70-130
71-55-6	1,1,1-Trichloroethane	10	10.1	101	70-130
79-34-5	1,1,2,2-Tetrachloroethane	10	10.0	100	70-130
79-00-5	1,1,2-Trichloroethane	10	9.9	99	70-130
127-18-4	Tetrachloroethylene	10	9.9	99	70-130
79-01-6	Trichloroethylene	10	10.4	104	70-130
75-01-4	Vinyl chloride	10	10.7	107	70-130

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

Blank Spike Summary

Job Number: M65404
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

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

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

MSQ195-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	Limits
75-00-3	Chloroethane	10	12.2	122	70-130
56-23-5	Carbon tetrachloride	10	10.9	109	70-130
75-34-3	1,1-Dichloroethane	10	15.3	153* [a]	70-130
75-35-4	1,1-Dichloroethylene	10	13.5	135* [a]	70-130
107-06-2	1,2-Dichloroethane	10	11.7	117	70-130
156-60-5	trans-1,2-Dichloroethylene	10	15.6	156* [a]	70-130
156-59-2	cis-1,2-Dichloroethylene	10	10.5	105	70-130
71-55-6	1,1,1-Trichloroethane	10	10.7	107	70-130
79-34-5	1,1,2,2-Tetrachloroethane	10	12.2	122	70-130
79-00-5	1,1,2-Trichloroethane	10	11.1	111	70-130
127-18-4	Tetrachloroethylene	10	9.2	92	70-130
79-01-6	Trichloroethylene	10	11.0	110	70-130
75-01-4	Vinyl chloride	10	10.1	101	70-130

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

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

Duplicate Summary

Job Number: M65404
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
M65402-2DUP	J10623.D	5	06/12/07	DFT	n/a	n/a	MSJ550
M65402-2	J10622.D	5	06/12/07	DFT	n/a	n/a	MSJ550

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

M65404-1, M65404-2

CAS No.	Compound	M65402-2 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	ND		ND		nc	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	1.2		1.1		9	25
79-01-6	Trichloroethylene	ND		ND		nc	25
75-01-4	Vinyl chloride	ND		ND		nc	25

CAS No.	Surrogate Recoveries	DUP	M65402-2	Limits
460-00-4	4-Bromofluorobenzene	101%	99%	57-139%

Summa Cleaning Certification

Job Number: M65404
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSQ195-SCC	Q3601.D	1	06/02/07	PB	n/a	n/a	MSQ195

The QC reported here (Summa M136) applies to the following samples: **Method:** TO-15

Batch CP425 cleaned 05/30/07: M65404-2(M136)

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%

Summa Cleaning Certification

Job Number: M65404
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSQ195-SCC	Q3603.D	1	06/02/07	PB	n/a	n/a	MSQ195

The QC reported here (Summa M115) applies to the following samples: **Method:** TO-15

Batch CP425 cleaned 05/30/07: M65404-1(M115)

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	93%	57-139%

Instrument Performance Check (BFB)

Job Number: M65404
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: M65404
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample: MSJ550-BFB
Lab File ID: J10618.D
Instrument ID: GCMSJ
Injection Date: 06/12/07
Injection Time: 11:01

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	28339	18.5		Pass
75	30.0 - 66.0% of mass 95	72768	47.6		Pass
95	Base peak, 100% relative abundance	152823	100.0		Pass
96	5.0 - 9.0% of mass 95	10683	7.0		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 120.0% of mass 95	155231	101.6		Pass
175	4.0 - 9.0% of mass 174	6443	4.2	(4.2) [a]	Pass
176	93.0 - 101.0% of mass 174	149887	98.1	(96.6) [a]	Pass
177	5.0 - 9.0% of mass 176	9973	6.5	(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
MSJ550-CC548	J10618.D	06/12/07	11:01	00:00	Continuing cal 10
MSJ550-BS	J10618A.D	06/12/07	11:01	00:00	Blank Spike
MSJ550-MB	J10620.D	06/12/07	12:43	01:42	Method Blank
MSJ550-SCC	J10620A.D	06/12/07	12:43	01:42	Summa Cleaning Certification
M65402-2	J10622.D	06/12/07	14:23	03:22	(used for QC only; not part of job M65404)
M65402-2DUP	J10623.D	06/12/07	15:14	04:13	Duplicate
ZZZZZZ	J10624.D	06/12/07	16:05	05:04	(unrelated sample)
ZZZZZZ	J10625.D	06/12/07	16:57	05:56	(unrelated sample)
M65404-1	J10626.D	06/12/07	17:47	06:46	045162-164GLEN-SS1
M65404-2	J10627.D	06/12/07	18:37	07:36	045162-164GLEN-SS2
MSJ550-SCC	J10628.D	06/12/07	19:26	08:25	Summa Cleaning Certification
MSJ550-SCC	J10629.D	06/13/07	08:51	21:50	Summa Cleaning Certification

Instrument Performance Check (BFB)

Job Number: M65404
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

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

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

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

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

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

Instrument Performance Check (BFB)

Job Number: M65404
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

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

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

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

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSQ195-CC193	Q3590.D	06/01/07	15:56	00:00	Continuing cal 10
MSQ195-BS	Q3590A.D	06/01/07	15:56	00:00	Blank Spike
MSQ195-MB	Q3591.D	06/01/07	16:45	00:49	Method Blank
MSQ195-SCC	Q3591A.D	06/01/07	16:45	00:49	Summa Cleaning Certification
ZZZZZZ	Q3592.D	06/01/07	17:29	01:33	(unrelated sample)
M65018-6	Q3593.D	06/01/07	18:12	02:16	(used for QC only; not part of job M65404)
M65018-6DUP	Q3594.D	06/01/07	18:56	03:00	Duplicate
ZZZZZZ	Q3595.D	06/01/07	19:40	03:44	(unrelated sample)
ZZZZZZ	Q3596.D	06/01/07	20:23	04:27	(unrelated sample)
ZZZZZZ	Q3598.D	06/01/07	21:52	05:56	(unrelated sample)
MSQ195-SCC	Q3599.D	06/01/07	22:35	06:39	Summa Cleaning Certification
MSQ195-SCC	Q3600.D	06/01/07	23:19	07:23	Summa Cleaning Certification
MSQ195-SCC	Q3601.D	06/02/07	00:03	08:07	Summa Cleaning Certification
MSQ195-SCC	Q3602.D	06/02/07	00:47	08:51	Summa Cleaning Certification
MSQ195-SCC	Q3603.D	06/02/07	01:30	09:34	Summa Cleaning Certification
MSQ195-SCC	Q3604.D	06/02/07	02:14	10:18	Summa Cleaning Certification
MSQ195-SCC	Q3605.D	06/02/07	02:57	11:01	Summa Cleaning Certification
MSQ195-SCC	Q3606.D	06/02/07	03:40	11:44	Summa Cleaning Certification
MSQ195-SCC	Q3607.D	06/02/07	04:23	12:27	Summa Cleaning Certification

Volatile Internal Standard Area Summary

Job Number: M65404
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Check Std:	MSJ550-CC548	**Injection Date:**	06/12/07
Lab File ID:	J10618.D	**Injection Time:**	11:01
Instrument ID:	GCMSJ	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	408744	8.62	1580558	10.45	1378221	14.67
Upper Limit [a]	572242	8.95	2212781	10.78	1929509	15.00
Lower Limit [b]	245246	8.29	948335	10.12	826933	14.34

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
MSJ550-BS	408744	8.62	1580558	10.45	1378221	14.67
MSJ550-MB	414315	8.61	1588625	10.43	1408144	14.66
MSJ550-SCC	414315	8.61	1588625	10.43	1408144	14.66
M65402-2	434502	8.61	1757059	10.43	1603868	14.67
M65402-2DUP	436177	8.62	1750809	10.43	1587424	14.67
ZZZZZZ	413467	8.62	1521634	10.43	1254549	14.67
ZZZZZZ	378477	8.62	1315062	10.43	1093383	14.67
M65404-1	404990	8.62	1529039	10.44	1370752	14.67
M65404-2	380862	8.61	1320768	10.42	1054047	14.66
MSJ550-SCC	376326	8.63	1355409	10.44	1185449	14.67
MSJ550-SCC	364997	8.62	1278264	10.43	1098504	14.66

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

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

Volatile Internal Standard Area Summary

Job Number: M65404
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

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

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

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

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

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

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65404
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: M65404
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: M65404
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: M65404
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: M65404
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: M65404
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: M65404
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: M65404
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: M65404
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: M65404
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: M65404
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: M65404
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: M65404
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: M65404
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: M65404
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

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

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

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65404
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

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

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

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

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65404
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

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

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

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65404
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

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

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

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

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65404
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

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

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

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65404
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

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

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

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

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65404
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

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

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

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65404
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

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

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

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

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65404
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

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

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

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65404
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

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

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

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

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65404
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

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

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

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65404
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

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

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

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

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65404
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

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

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

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65404
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

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

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

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

Volatile Surrogate Recovery Summary

Job Number: M65404
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
M65404-1	J10626.D	97.0
M65404-2	J10627.D	82.0
M65402-2DUP	J10623.D	101.0
MSJ550-BS	J10618A.D	106.0
MSJ550-MB	J10620.D	94.0
MSQ195-SCC	Q3601.D	96.0
MSQ195-SCC	Q3603.D	93.0
MSQ195-BS	Q3590A.D	106.0
MSQ195-MB	Q3591.D	96.0

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

Initial Calibration Summary

Job Number: M65404 **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: M65404 **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: M65404 **Sample:** MSJ548-ICC548
Account: GEI GEI Consultants, Inc. **Lab FileID:** J10584.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

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

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

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

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

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

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

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

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

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

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

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

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

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

Initial Calibration Verification

Job Number: M65404 **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: M65404 **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: M65404 **Sample:** MSJ548-ICV548
Account: GEI GEI Consultants, Inc. **Lab FileID:** J10587.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

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

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

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

Continuing Calibration Summary

Job Number: M65404 **Sample:** MSJ550-CC548
Account: GEI GEI Consultants, Inc. **Lab FileID:** J10618.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\J10618.D Vial: 1
Acq On : 12 Jun 2007 11:01 am Operator: danat
Sample : cc548-10 (m057) Inst : MSJ
Misc : MS13724, MSJ550,,,,,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 : Tue Jun 12 11:28:25 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	122	0.00	8.62
2	m	DICHLORODIFLUOROMETHANE	3.494	3.957	-13.3	121	0.00	4.07
3	m	PROPYLENE	0.608	0.700	-15.1	115	0.00	4.00
4	m	FREON 114	3.221	3.322	-3.1	114	0.00	4.33
5	m	CHLOROMETHANE	0.843	0.934	-10.8	116	0.00	4.23
6	m	VINYL CHLORIDE	0.991	1.061	-7.1	110	0.00	4.45
7	m	1,3-BUTADIENE	0.674	0.726	-7.7	111	0.00	4.58
8	m	BROMOMETHANE	1.129	1.159	-2.7	112	0.00	4.86
9	m	CHLOROETHANE	0.454	0.512	-12.8	127	0.00	5.03
10	m	TRICHLOROFLUOROMETHANE	3.591	3.628	-1.0	115	0.00	5.80
11	m	ISOPROPYL ALCOHOL	1.148	1.039	9.5	90	-0.02	5.97
12	m	ACETONE	1.355	0.935	31.0#	83	0.00	5.67
13	m	PENTANE	0.843	0.875	-3.8	117	0.01	6.14
14	m	1,1-DICHLOROETHYLENE	1.054	1.061	-0.7	109	0.00	6.43
15	m	CARBON DISULFIDE	3.173	3.170	0.1	111	0.00	6.85
16	m	ETHANOL	0.210	0.177	15.7	84	0.00	5.24
17	m	BROMOETHENE	1.062	1.112	-4.7	111	0.00	5.39
		----------	True	Calc.	% Drift	----------		
18	m	METHYLENE CHLORIDE	10.000	8.455	15.4	110	0.00	6.55
		----------	AvgRF	CCRF	% Dev	----------		
19	m	3-CHLOROPROPENE	0.713	0.750	-5.2	123	0.00	6.66
20	m	FREON 113	2.329	2.178	6.5	110	0.00	6.79
21	m	TRANS-1,2-DICHLOROETHYLEN	1.014	1.027	-1.3	114	0.00	7.46
		----------	True	Calc.	% Drift	----------		
22	m	TERTIARY BUTYL ALCOHOL	10.000	9.133	8.7	86	0.00	6.57
		----------	AvgRF	CCRF	% Dev	----------		
23	m	METHYL TERTIARY BUTYL ETH	2.112	1.676	20.6	76	0.00	7.74
24	m	TETRAHYDROFURAN	0.690	0.561	18.7	81	0.00	9.18
		----------	True	Calc.	% Drift	----------		
25	m	HEXANE	10.000	8.582	14.2	107	0.01	8.64
		----------	AvgRF	CCRF	% Dev	----------		
26	m	VINYL ACETATE	1.346	1.093	18.8	81	0.00	7.81
27	m	1,1-DICHLOROETHANE	1.689	1.685	0.2	113	0.00	7.66
28	m	METHYL ETHYL KETONE	1.209	1.042	13.8	85	0.00	8.08
29	m	cis-1,2-DICHLOROETHYLENE	0.989	0.948	4.1	106	0.00	8.46
30	m	ETHYL ACETATE	1.308	1.077	17.7	80	0.00	8.70

Continuing Calibration Summary

Job Number: M65404 **Sample:** MSJ550-CC548
Account: GEI GEI Consultants, Inc. **Lab FileID:** J10618.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

31	m	CHLOROFORM	2.381	2.221	6.7	106	0.00	8.75
32	m	1,1,1-TRICHLOROETHANE	2.596	2.611	-0.6	115	0.00	9.68
33	m	CARBON TETRACHLORIDE	3.062	3.134	-2.4	112	0.00	10.26
34	m	1,2-DICHLOROETHANE	1.324	1.188	10.3	91	0.00	9.46
35	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	101	0.00	10.45
36	m	BENZENE	0.551	0.598	-8.5	98	0.00	10.13
37	m	CYCLOHEXANE	0.249	0.303	-21.7	108	0.00	10.37
38	m	TRICHLOROETHYLENE	0.290	0.302	-4.1	92	0.00	11.12
39	m	1,2-DICHLOROPROPANE	0.189	0.196	-3.7	91	0.00	10.90
40	m	BROMODICHLOROMETHANE	0.493	0.499	-1.2	89	0.00	11.09
41	m	2,2,4-TRIMETHYLPENTANE	0.806	1.074	-33.3#	120	0.00	11.12
		----------	True	Calc.	% Drift	----------		
42	m	1,4-DIOXANE	10.000	8.479	15.2	86	0.00	11.18
		----------	AvgRF	CCRF	% Dev	----------		
43	m	HEPTANE	0.266	0.312	-17.3	101	0.00	11.36
		----------	True	Calc.	% Drift	----------		
44	m	METHYL ISOBUTYL KETONE	10.000	8.336	16.6	86	0.00	12.01
45	m	cis-1,3-DICHLOROPROPENE	10.000	8.250	17.5	83	0.00	11.94
46	m	TOLUENE	10.000	7.924	20.8	79	0.00	12.89
47	m	trans-1,3-DICHLOROPROPENE	10.000	7.645	23.6	68	0.00	12.45
		----------	AvgRF	CCRF	% Dev	----------		
48	m	1,1,2-TRICHLOROETHANE	0.200	0.197	1.5	84	0.00	12.63
49	I	CHLOROBENZENE-D5	1.000	1.000	0.0	95	0.00	14.67
		----------	True	Calc.	% Drift	----------		
50	m	2-HEXANONE	10.000	8.208	17.9	78	0.00	13.18
		----------	AvgRF	CCRF	% Dev	----------		
51	m	TETRACHLOROETHYLENE	0.393	0.391	0.5	83	0.00	14.02
52	m	DIBROMOCHLOROMETHANE	0.552	0.560	-1.4	82	0.00	13.33
53	m	1,2-DIBROMOETHANE	0.387	0.394	-1.8	78	0.00	13.58
54	m	CHLOROBENZENE	0.525	0.610	-16.2	79	0.00	14.72
		----------	True	Calc.	% Drift	----------		
55	m	ETHYLBENZENE	10.000	7.977	20.2	75	0.00	15.09
56	m	m,p-XYLENE	20.000	16.275	18.6	78	0.00	15.29
57	m	o-XYLENE	10.000	8.011	19.9	76	0.00	15.79
58	m	STYRENE	10.000	8.840	11.6	77	0.00	15.68
59	m	NONANE	10.000	9.503	5.0	88	0.00	15.97
60	m	BROMOFORM	10.000	7.662	23.4	76	0.00	15.41
		----------	AvgRF	CCRF	% Dev	----------		
61	S	4-BROMOFLUOROBENZENE	0.531	0.645	-21.5	96	0.00	16.30
62	m	1,1,2,2-TETRACHLOROETHANE	0.540	0.542	-0.4	81	0.00	15.80
		----------	True	Calc.	% Drift	----------		
63	m	ISOPROPYLBENZENE	10.000	8.148	18.5	79	0.00	16.43
64	m	2-CHLOROTOLUENE	10.000	8.088	19.1	77	0.00	16.98
65	m	4-ETHYLTOLUENE	10.000	7.312	26.9	72	0.00	17.17
66	m	1,3,5-TRIMETHYLBENZENE	10.000	7.641	23.6	75	0.00	17.26
67	m	1,2,4-TRIMETHYLBENZENE	10.000	7.449	25.5	73	0.00	17.72
68	m	m-DICHLOROBENZENE	10.000	7.456	25.4	72	0.00	17.91
69	m	BENZYL CHLORIDE	10.000	7.909	20.9	63	0.00	17.89
70	m	p-DICHLOROBENZENE	10.000	7.427	25.7	70	0.00	17.98

Continuing Calibration Summary

Job Number: M65404 **Sample:** MSJ550-CC548
Account: GEI GEI Consultants, Inc. **Lab FileID:** J10618.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

```
71 m   o-DICHLOROBENZENE          10.000   7.234     27.7   68   0.00   18.37

           ----------------------- AvgRF   CCRF     % Dev   -------------
72 m   HEXACHLOROBUTADIENE         0.442   0.371     16.1   68   0.00   20.76

           ----------------------- True    Calc.   % Drift  ------------
73 m   1,2,4-TRICHLOROBENZENE     10.000   8.577     14.2   68   0.00   20.27

           ----------------------- AvgRF   CCRF     % Dev   -------------
74 m   NAPHTHALENE                 0.000   0.000      0.0    0#  0.00   20.39
---------------------------------------------------------------------------

 (  2.9 %)  2 of  70 compounds'%D > 30
---------------------------------------------------------------------------

   (#) = Out of Range              SPCC's out = 0  CCC's out = 0
    J10584.D   J060707T.M       Thu Jun 14 09:44:46 2007
```

Initial Calibration Summary

Job Number: M65404 **Sample:** MSQ193-ICC193
Account: GEI GEI Consultants, Inc. **Lab FileID:** Q3565.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Response Factor Report MAMSQ

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

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

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

Initial Calibration Summary

Job Number: M65404 **Sample:** MSQ193-ICC193
Account: GEI GEI Consultants, Inc. **Lab FileID:** Q3565.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

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

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

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

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

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

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

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

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

          Q053007T.m        Thu May 31 09:23:42 2007   RPT1
```

Initial Calibration Verification

Job Number: M65404 **Sample:** MSQ194-ICV193
Account: GEI GEI Consultants, Inc. **Lab FileID:** Q3570A.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Evaluate Continuing Calibration Report

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

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

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

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

Initial Calibration Verification

Job Number: M65404 **Sample:** MSQ194-ICV193
Account: GEI GEI Consultants, Inc. **Lab FileID:** Q3570A.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

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

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

Continuing Calibration Summary

Job Number: M65404 **Sample:** MSQ195-CC193
Account: GEI GEI Consultants, Inc. **Lab FileID:** Q3590.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Evaluate Continuing Calibration Report

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

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

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

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

Continuing Calibration Summary

Job Number: M65404 **Sample:** MSQ195-CC193
Account: GEI GEI Consultants, Inc. **Lab FileID:** Q3590.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

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

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

			AvgRF	CCRF	% Dev
74	m	NAPHTHALENE			NA

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

GC/MS Volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10626.D
Acq On : 12 Jun 2007 5:47 pm
Operator : danat
Sample : m65404-1 (m115)
Misc : MS13724, MSJ550,,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 14 10:16:18 2007
Quant Method : C:\MSDCHEM\1\METHODS\J060707T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jun 12 11:28:25 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	404990	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.44	114	1529039	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.67	117	1370752	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.29	95	405446	4.87	PPBV	-0.01

Spiked Amount 5.000 Range 51 - 142 Recovery = 97.40%

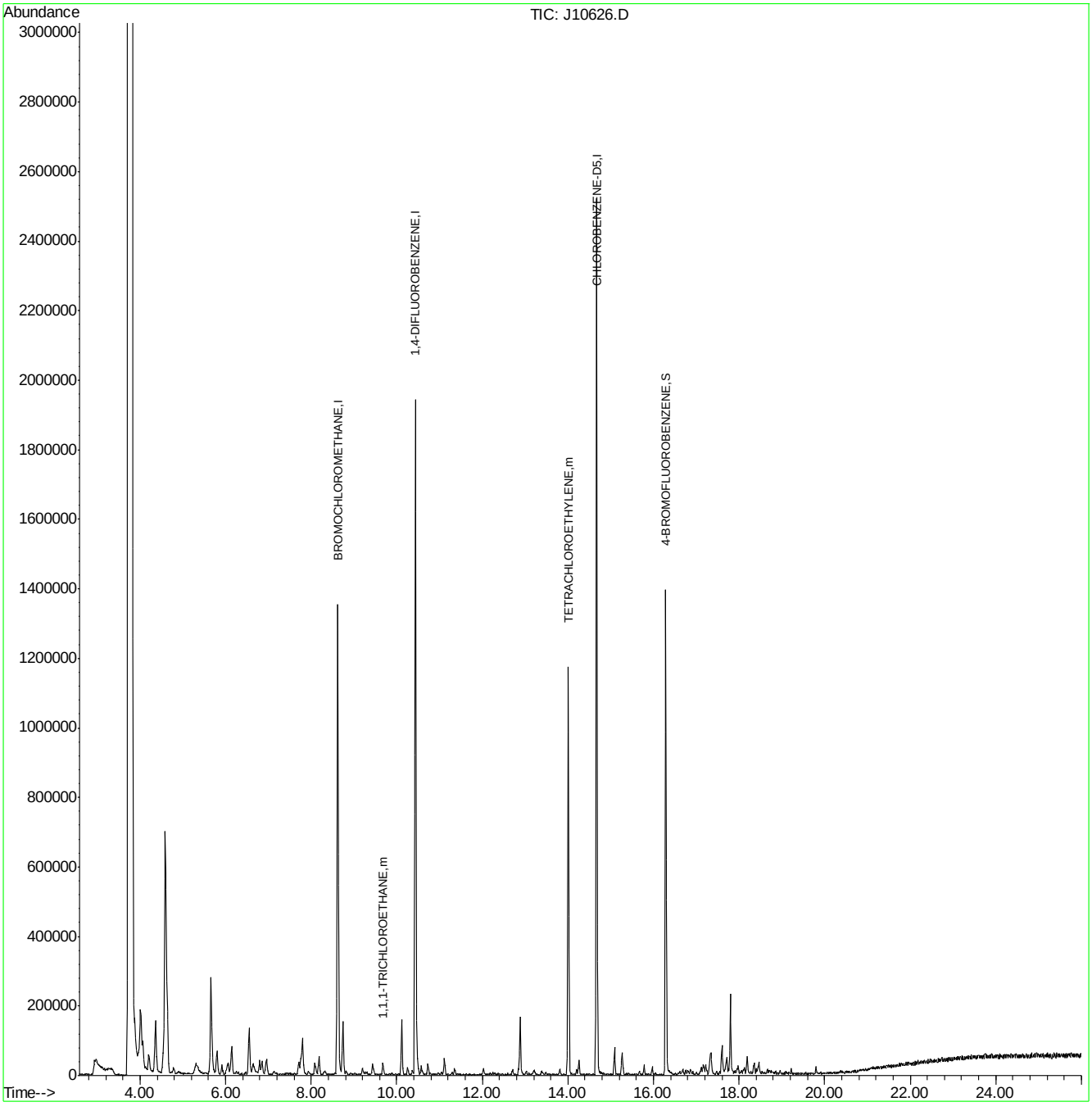
Target Compounds						Qvalue
32) 1,1,1-TRICHLOROETHANE	9.68	97	19545	0.19	PPBV	97
51) TETRACHLOROETHYLENE	14.01	164	258598	4.80	PPBV	97

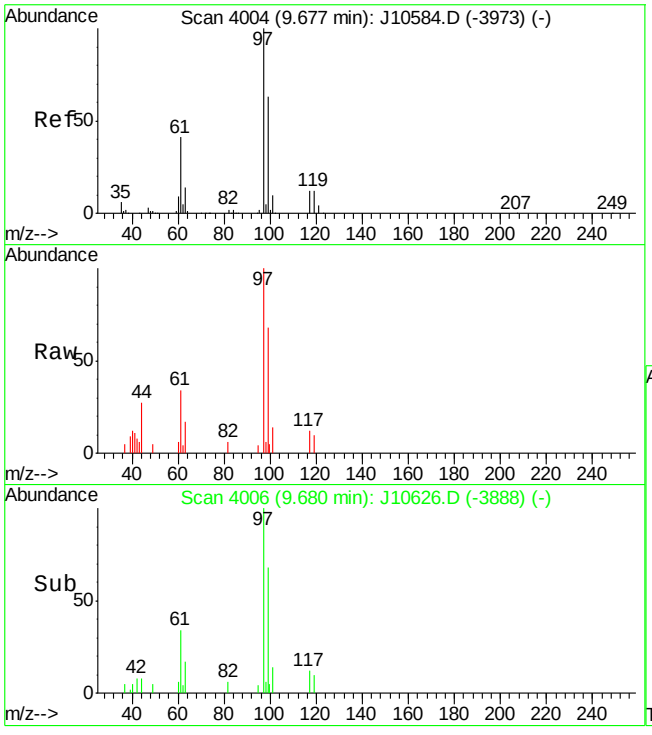
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10626.D
Acq On : 12 Jun 2007 5:47 pm
Operator : danat
Sample : m65404-1 (m115)
Misc : MS13724, MSJ550,,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 14 10:16:18 2007
Quant Method : C:\MSDCHEM\1\METHODS\J060707T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jun 12 11:28:25 2007
Response via : Initial Calibration

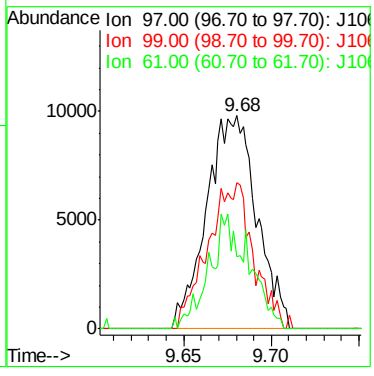


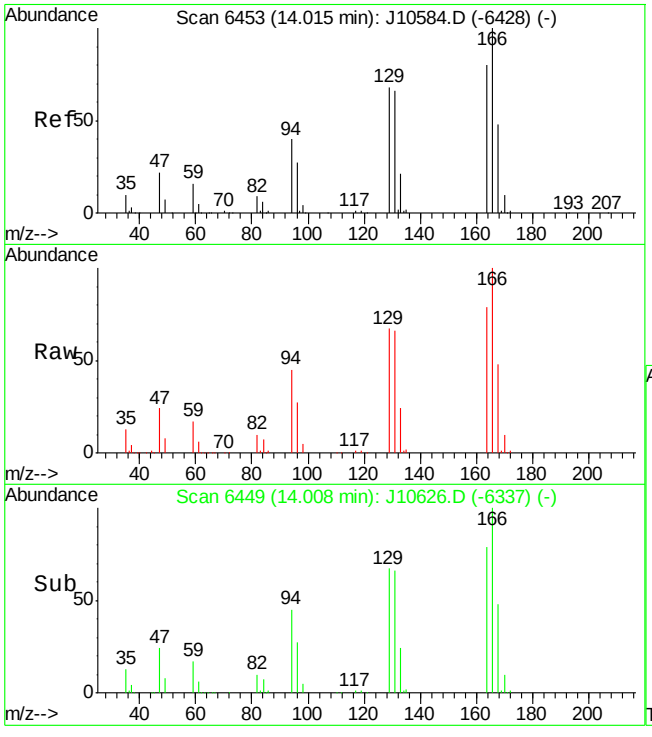


#32
1,1,1-TRICHLOROETHANE
Concen: 0.19 PPBV
RT: 9.68 min Scan# 4006
Delta R.T. 0.00 min
Lab File: J10626.D
Acq: 12 Jun 2007 5:47 pm

Tgt Ion: 97 Resp: 19545

Ion	Ratio	Lower	Upper
97	100		
99	62.1	45.0	85.0
61	42.3	20.8	60.8

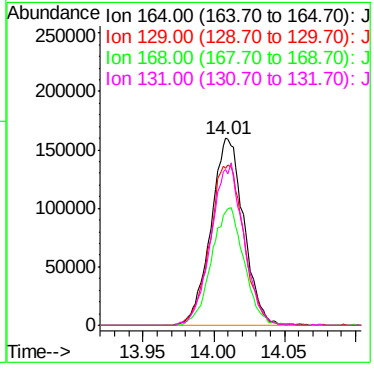




#51
TETRACHLOROETHYLENE
Concen: 4.80 PPBV
RT: 14.01 min Scan# 6449
Delta R.T. -0.01 min
Lab File: J10626.D
Acq: 12 Jun 2007 5:47 pm

Tgt Ion:164 Resp: 258598

Ion	Ratio	Lower	Upper
164	100		
129	88.1	65.6	105.6
168	62.3	41.3	81.3
131	85.1	61.9	101.9



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10627.D
Acq On : 12 Jun 2007 6:37 pm
Operator : danat
Sample : m65404-2 (m136)
Misc : MS13724, MSJ550,,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 14 10:17:44 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 : Tue Jun 12 11:28:25 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.61	128	380862	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.42	114	1320768	10.00	PPBV	-0.02
49) CHLOROBENZENE-D5	14.66	117	1054047	10.00	PPBV	-0.02

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.28	95	261919	4.09	PPBV	-0.02

Spiked Amount 5.000 Range 51 - 142 Recovery = 81.80%

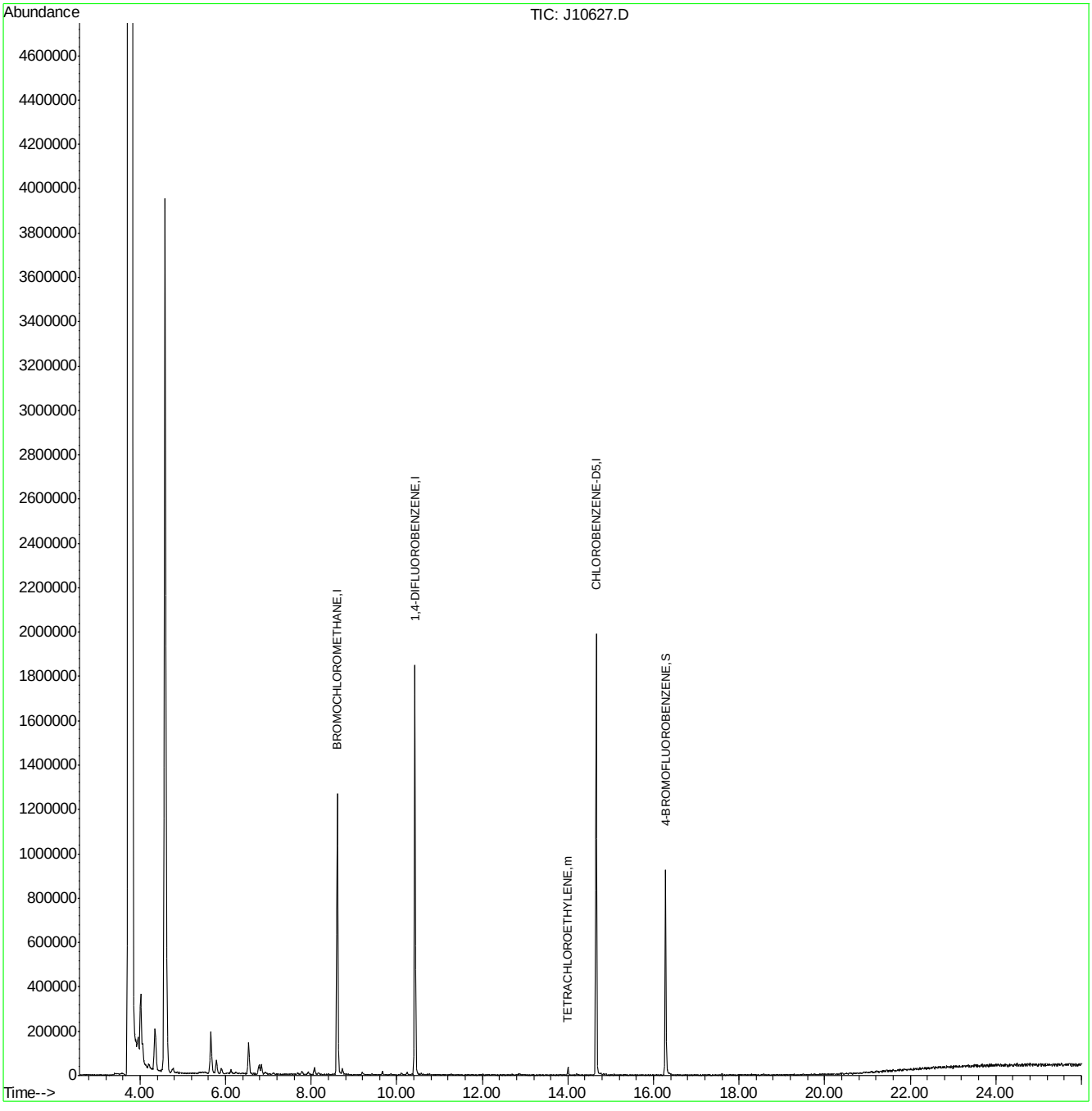
Target Compounds						Qvalue
51) TETRACHLOROETHYLENE	14.00	164	7157	0.17	PPBV	89

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

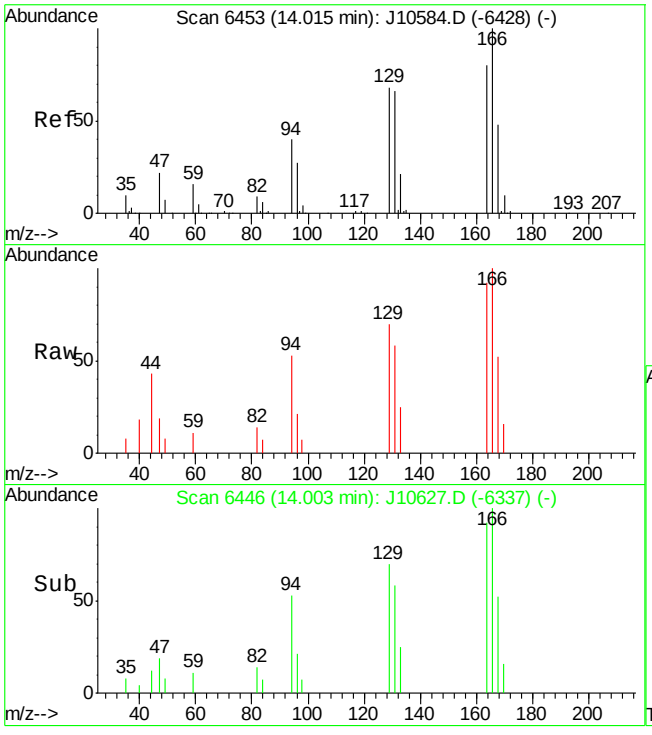
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10627.D
Acq On : 12 Jun 2007 6:37 pm
Operator : danat
Sample : m65404-2 (m136)
Misc : MS13724, MSJ550,,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 14 10:17:44 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 : Tue Jun 12 11:28:25 2007
Response via : Initial Calibration



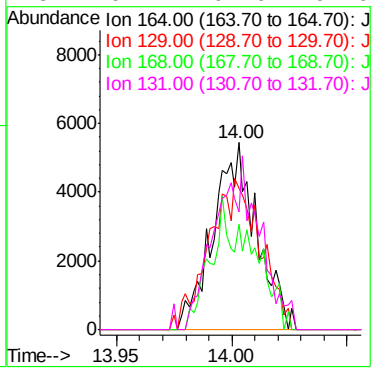
J060707T.M Thu Jun 14 10:17:51 2007 Page: 2



#51
TETRACHLOROETHYLENE
Concen: 0.17 PPBV
RT: 14.00 min Scan# 6446
Delta R.T. -0.01 min
Lab File: J10627.D
Acq: 12 Jun 2007 6:37 pm

Tgt Ion:164 Resp: 7157

Ion	Ratio	Lower	Upper
164	100		
129	94.1	65.6	105.6
168	67.9	41.3	81.3
131	94.7	61.9	101.9



ACCUTEST Laboratories M65404

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10620.D
Acq On : 12 Jun 2007 12:43 pm
Operator : danat
Sample : mb (m031)
Misc : MS13724, MSJ550,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 14 09:47:45 2007
Quant Method : C:\MSDCHEM\1\METHODS\J060707T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jun 12 11:28:25 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.61	128	414315	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.43	114	1588625	10.00	PPBV	-0.01
49) CHLOROBENZENE-D5	14.66	117	1408144	10.00	PPBV	-0.02

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.28	95	403431	4.72	PPBV	-0.02

Spiked Amount 5.000 Range 51 - 142 Recovery = 94.40%

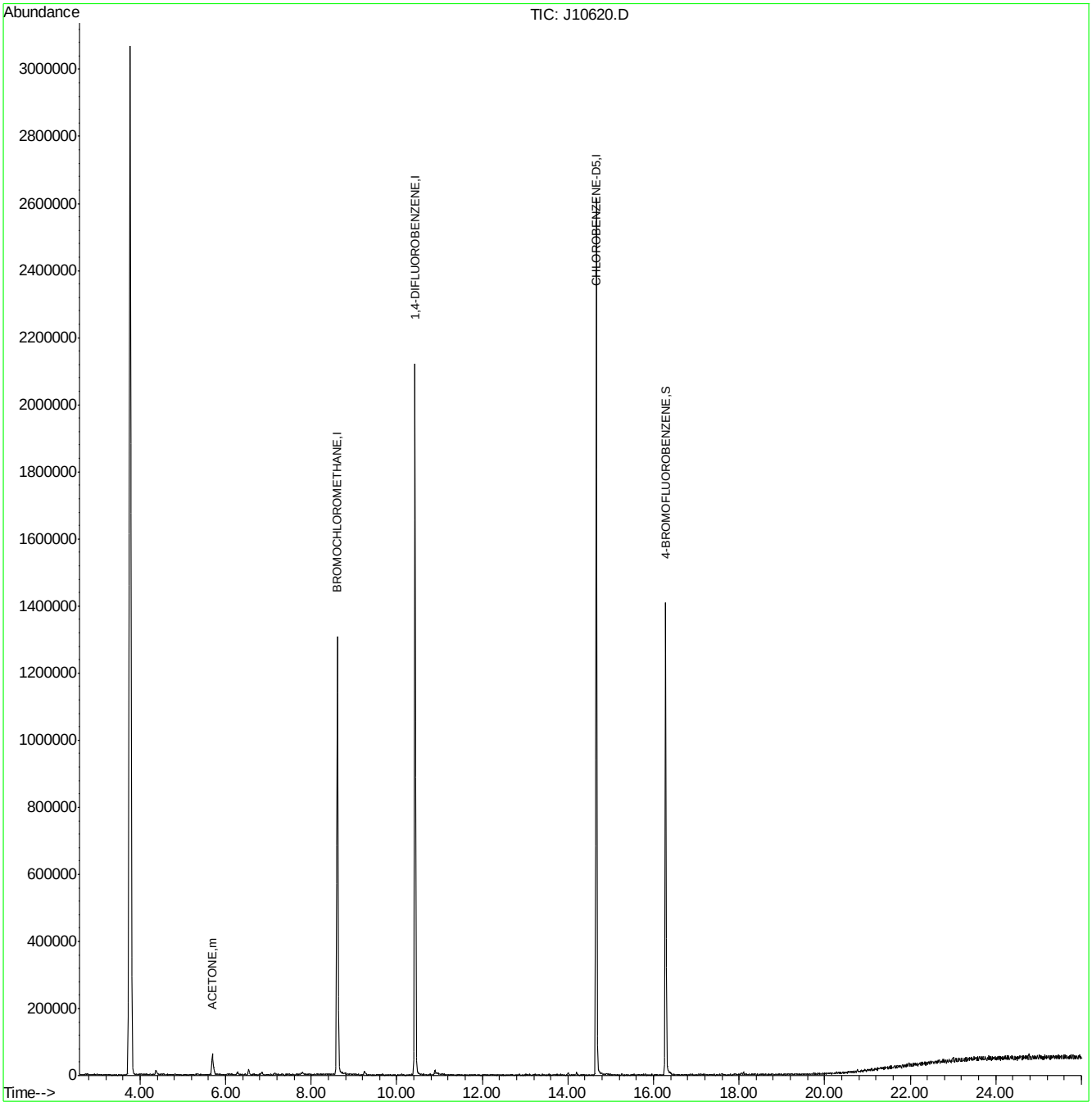
Target Compounds						Qvalue
12) ACETONE	5.69	43	98960	1.76	PPBV	92

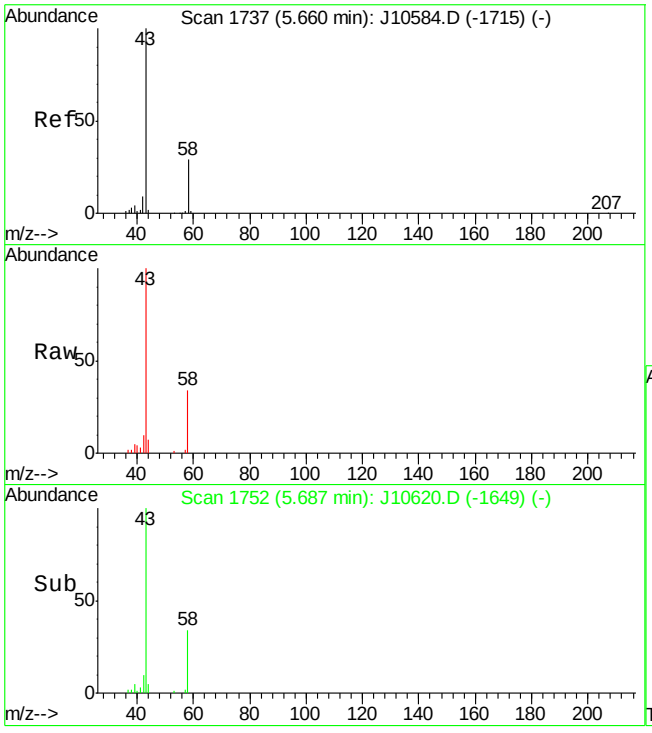
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10620.D
Acq On : 12 Jun 2007 12:43 pm
Operator : danat
Sample : mb (m031)
Misc : MS13724, MSJ550,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 14 09:47:45 2007
Quant Method : C:\MSDCHEM\1\METHODS\J060707T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jun 12 11:28:25 2007
Response via : Initial Calibration

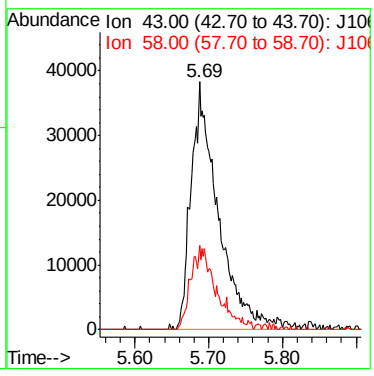




#12
ACETONE
Concen: 1.76 PPBV
RT: 5.69 min Scan# 1752
Delta R.T. 0.03 min
Lab File: J10620.D
Acq: 12 Jun 2007 12:43 pm

Tgt Ion: 43 Resp: 98960

Ion	Ratio	Lower	Upper
43	100		
58	31.7	7.7	47.7



6.2.1

6

ACCUTEST Laboratories M65404

Quantitation Report (QT Reviewed)

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

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

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

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.334	95	62208	4.78	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 95.60%

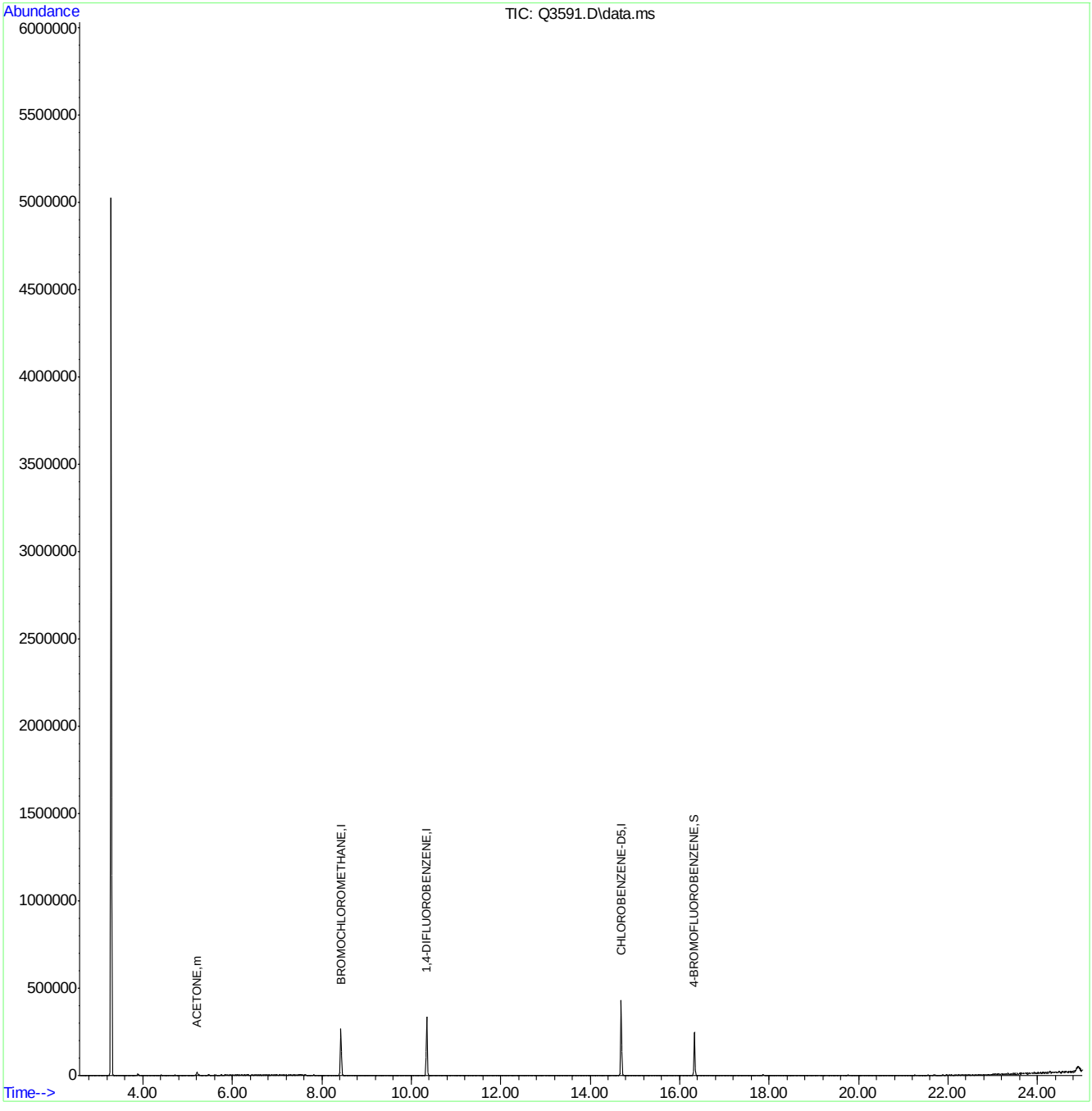
Target Compounds						Qvalue
12) ACETONE	5.213	43	22974	1.44	PPBV	88

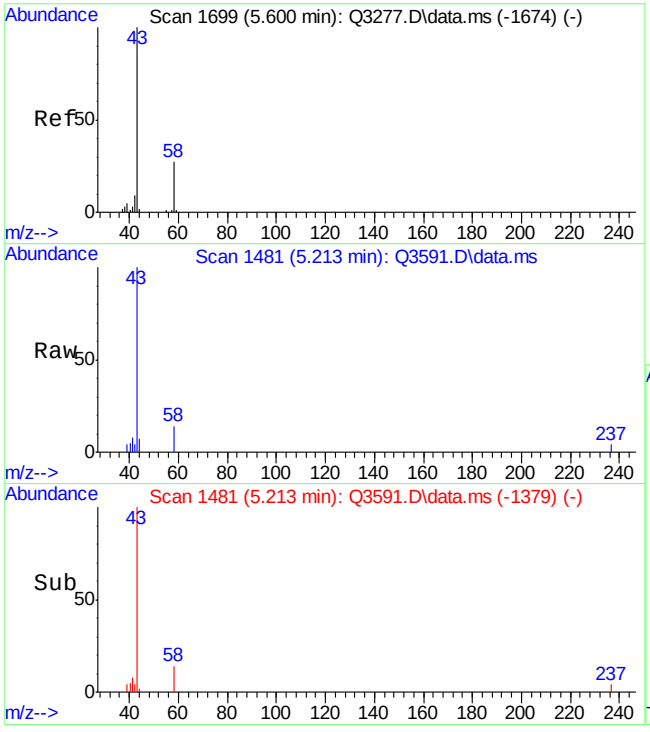
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

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

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

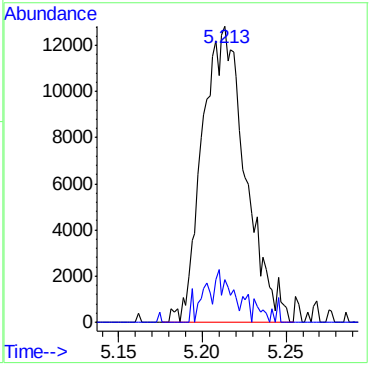




#12
ACETONE
Concen: 1.44 PPBV
RT: 5.213 min Scan# 1481
Delta R.T. 0.025 min
Lab File: Q3591.D
Acq: 1 Jun 2007 4:45 pm

Tgt Ion: 43 Resp: 22974

Ion	Ratio	Lower	Upper
43	100		
58	11.5	0.0	20.3



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10618a.D
Acq On : 12 Jun 2007 11:01 am
Operator : danat
Sample : bs (m057)
Misc : MS13724, MSJ550,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 14 09:45:29 2007
Quant Method : C:\MSDCHEM\1\METHODS\J060707T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jun 12 11:28:25 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	408744	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.45	114	1580558	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.67	117	1378221	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.30	95	444363	5.31	PPBV	0.00
Spiked Amount 5.000	Range 51 - 142		Recovery = 106.20%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.07	85	1617433	11.32	PPBV	100
3) PROPYLENE	4.00	41	286116	11.51	PPBV	99
4) FREON 114	4.33	85	1357948	10.31	PPBV	100
5) CHLOROMETHANE	4.23	50	381770	11.08	PPBV	97
6) VINYL CHLORIDE	4.45	62	433505	10.71	PPBV	99
7) 1,3-BUTADIENE	4.58	39	296939	10.77	PPBV	99
8) BROMOMETHANE	4.86	94	473594	10.26	PPBV	98
9) CHLOROETHANE	5.03	64	209426	11.28	PPBV	100
10) TRICHLOROFLUOROMETHANE	5.80	101	1482892	10.10	PPBV	100
11) ISOPROPYL ALCOHOL	5.97	45	424849	9.05	PPBV	95
12) ACETONE	5.67	43	382342	6.90	PPBV	99
13) PENTANE	6.14	42	357630	10.38	PPBV	99
14) 1,1-DICHLOROETHYLENE	6.43	96	433669	10.07	PPBV	99
15) CARBON DISULFIDE	6.85	76	1295554	9.99	PPBV	99
16) ETHANOL	5.24	45	72282	8.40	PPBV	76
17) BROMOETHENE	5.39	106	454527	10.47	PPBV	99
18) METHYLENE CHLORIDE	6.55	84	397551	8.45	PPBV	99
19) 3-CHLOROPROPENE	6.66	39	306499	10.52	PPBV	97
20) FREON 113	6.79	151	890274	9.35	PPBV	99
21) TRANS-1,2-DICHLOROETHYLENE	7.46	96	419863	10.13	PPBV	100
22) TERTIARY BUTYL ALCOHOL	6.57	59	542683	9.13	PPBV	92
23) METHYL TERTIARY BUTYL ETHE	7.74	73	685048	7.94	PPBV	99
24) TETRAHYDROFURAN	9.18	42	229325	8.13	PPBV	97
25) HEXANE	8.64	57	431107	8.58	PPBV	99
26) VINYL ACETATE	7.81	43	446950	8.13	PPBV	98
27) 1,1-DICHLOROETHANE	7.66	63	688702	9.98	PPBV	99
28) METHYL ETHYL KETONE	8.08	43	425857	8.62	PPBV	98
29) cis-1,2-DICHLOROETHYLENE	8.46	96	387644	9.59	PPBV	99
30) ETHYL ACETATE	8.70	43	440226	8.23	PPBV	100
31) CHLOROFORM	8.75	83	907766	9.33	PPBV	100
32) 1,1,1-TRICHLOROETHANE	9.68	97	1067404	10.06	PPBV	99
33) CARBON TETRACHLORIDE	10.26	117	1280861	10.24	PPBV	99
34) 1,2-DICHLOROETHANE	9.46	62	485651	8.98	PPBV	100
36) BENZENE	10.13	78	945107	10.85	PPBV	100
37) CYCLOHEXANE	10.37	84	479327	12.17	PPBV	98
38) TRICHLOROETHYLENE	11.12	95	476679	10.42	PPBV	99
39) 1,2-DICHLOROPROPANE	10.90	63	309604	10.38	PPBV	99
40) BROMODICHLOROMETHANE	11.09	83	788503	10.12	PPBV	100
41) 2,2,4-TRIMETHYLPENTANE	11.12	57	1697345	13.32	PPBV	99
42) 1,4-DIOXANE	11.18	88	153834	8.48	PPBV	95
43) HEPTANE	11.36	43	492571	11.73	PPBV	99

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10618a.D
Acq On : 12 Jun 2007 11:01 am
Operator : danat
Sample : bs (m057)
Misc : MS13724, MSJ550,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 14 09:45:29 2007
Quant Method : C:\MSDCHEM\1\METHODS\J060707T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jun 12 11:28:25 2007
Response via : Initial Calibration

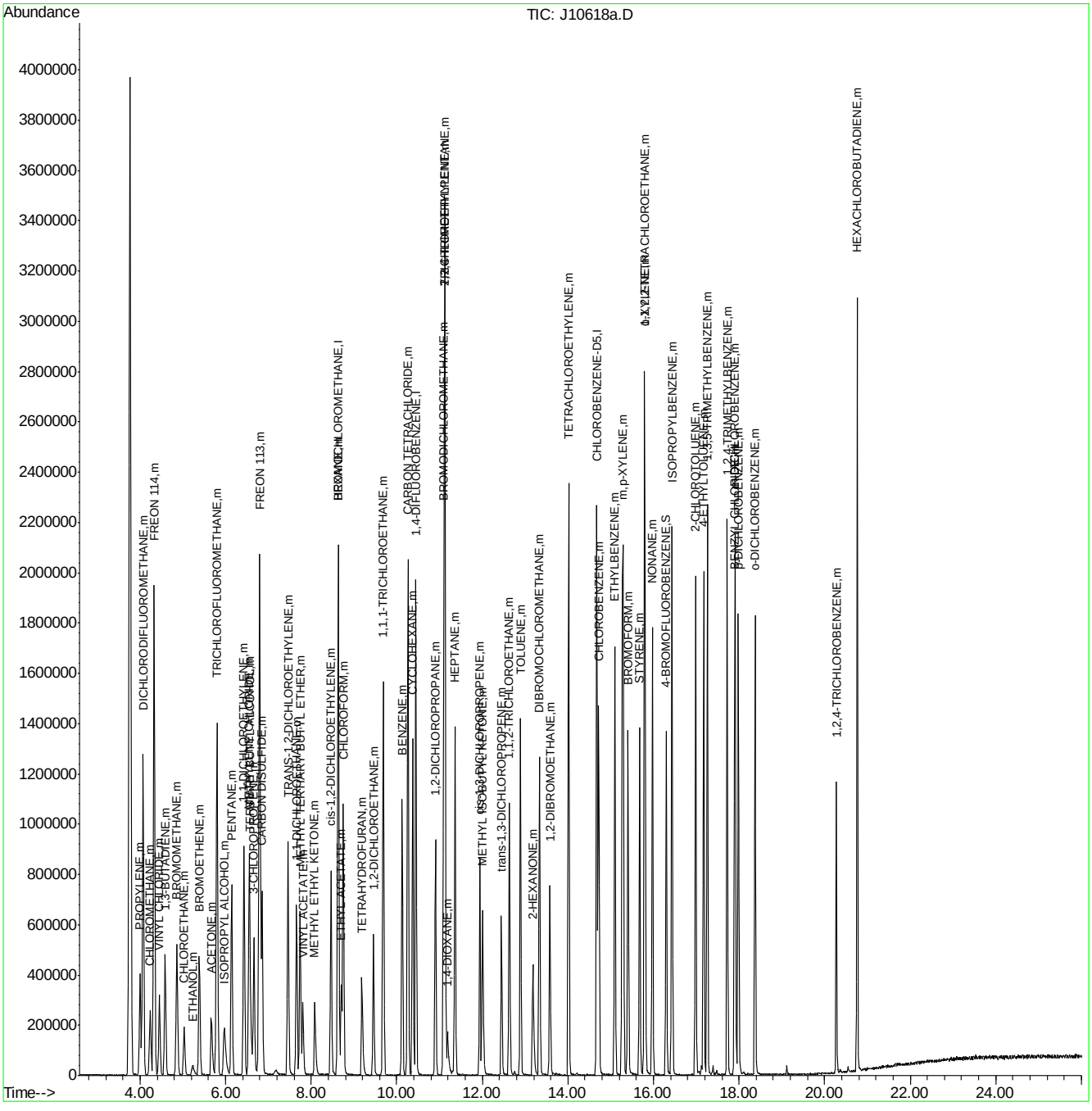
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.01	43	513926	8.34	PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.94	75	444716	8.25	PPBV	100
46) TOLUENE	12.89	92	590038	7.92	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.45	75	347505	7.65	PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.63	83	311655	9.86	PPBV	100
50) 2-HEXANONE	13.18	43	401774	8.21	PPBV	99
51) TETRACHLOROETHYLENE	14.02	164	538901	9.95	PPBV	99
52) DIBROMOCHLOROMETHANE	13.33	129	772217	10.16	PPBV	100
53) 1,2-DIBROMOETHANE	13.58	107	543361	10.20	PPBV	100
54) CHLOROBENZENE	14.72	112	840912	10.18	PPBV	98
55) ETHYLBENZENE	15.09	91	1254881	7.98	PPBV	100
56) m,p-XYLENE	15.29	106	1035942	16.28	PPBV	96
57) o-XYLENE	15.79	106	521676	8.01	PPBV	98
58) STYRENE	15.68	104	686424	8.84	PPBV	99
59) NONANE	15.97	43	620840	9.50	PPBV	98
60) BROMOFORM	15.41	173	738262	7.66	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.80	83	747013	10.03	PPBV	99
63) ISOPROPYLBENZENE	16.43	105	1535056	8.15	PPBV	100
64) 2-CHLOROTOLUENE	16.98	91	1075799	8.09	PPBV	99
65) 4-ETHYLTOLUENE	17.17	105	1251146	7.31	PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.26	105	1208411	7.64	PPBV	98
67) 1,2,4-TRIMETHYLBENZENE	17.72	105	1105065	7.45	PPBV	100
68) m-DICHLOROBENZENE	17.91	146	806551	7.46	PPBV	100
69) BENZYL CHLORIDE	17.89	91	600145	7.91	PPBV	99
70) p-DICHLOROBENZENE	17.98	146	754949	7.43	PPBV	100
71) o-DICHLOROBENZENE	18.37	146	720540	7.23	PPBV	100
72) HEXACHLOROBUTADIENE	20.76	225	510845	8.39	PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.27	180	306033	8.58	PPBV	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10618a.D
Acq On : 12 Jun 2007 11:01 am
Operator : danat
Sample : bs (m057)
Misc : MS13724, MSJ550,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 14 09:45:29 2007
Quant Method : C:\MSDCHEM\1\METHODS\J060707T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jun 12 11:28:25 2007
Response via : Initial Calibration



ACCUTEST Laboratories
M65404

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

Quantitation Report (QT Reviewed)

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

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

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

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.334	95	94503	5.30	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 106.00%

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

Quantitation Report (QT Reviewed)

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

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

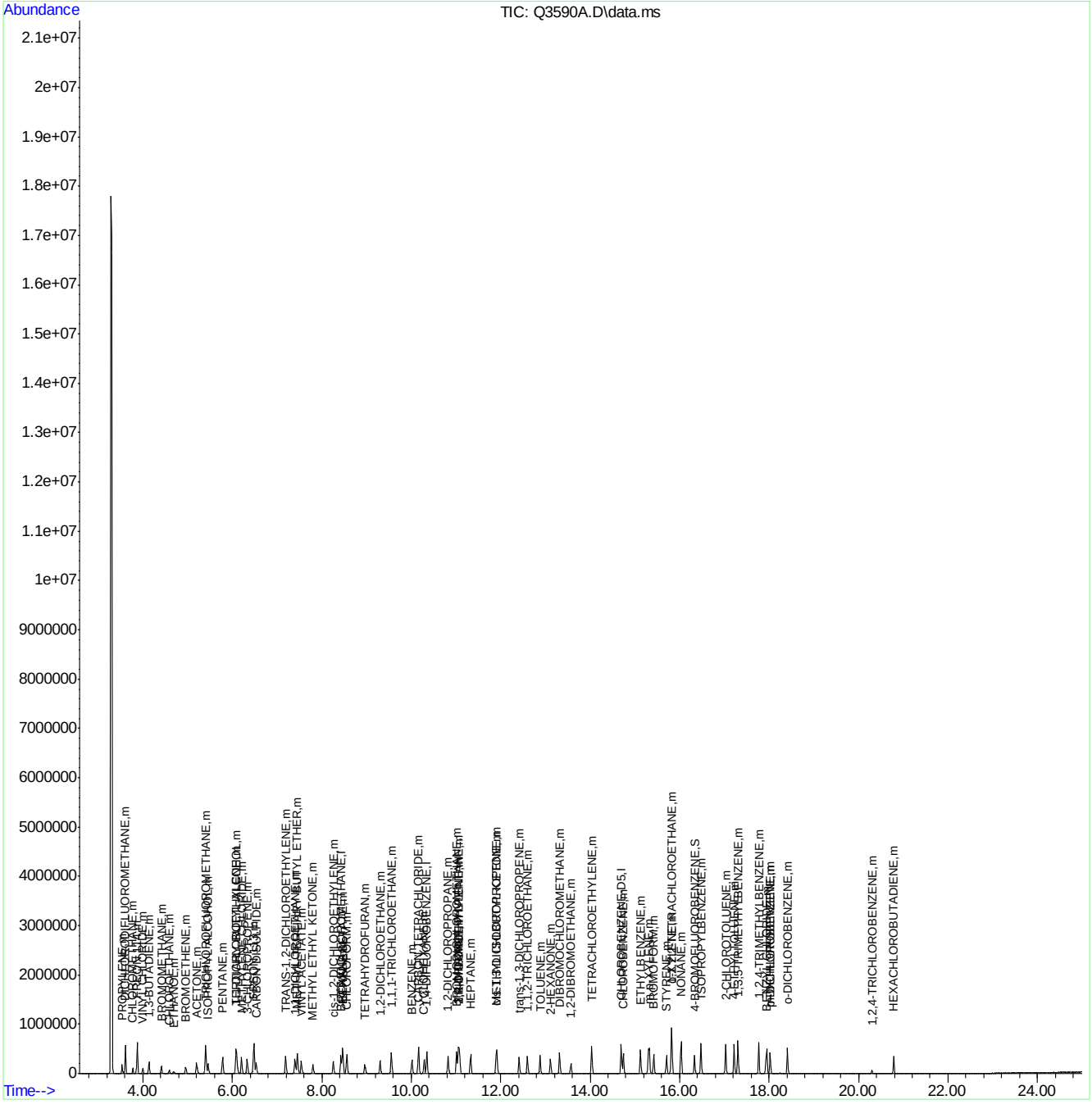
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.917	43	253444	12.34 PPBV	83
45) cis-1,3-DICHLOROPROPENE	11.901	75	97632	11.46 PPBV #	26
46) TOLUENE	12.879	92	89346	9.76 PPBV	91
47) trans-1,3-DICHLOROPROPENE	12.414	75	103625	11.84 PPBV #	98
48) 1,1,2-TRICHLOROETHANE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

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

Quantitation Report (QT Reviewed)

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

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

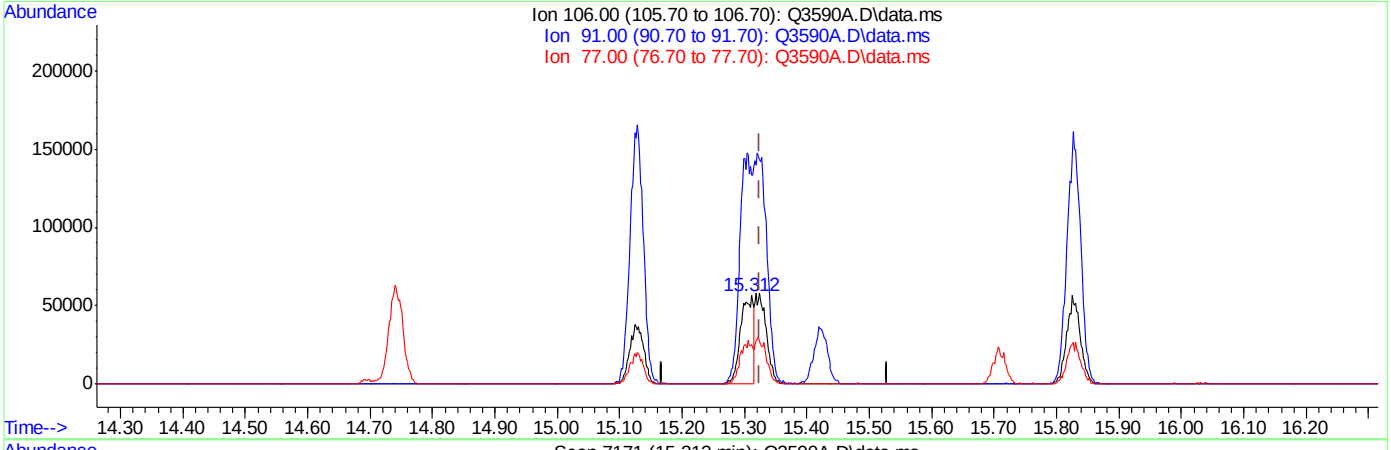


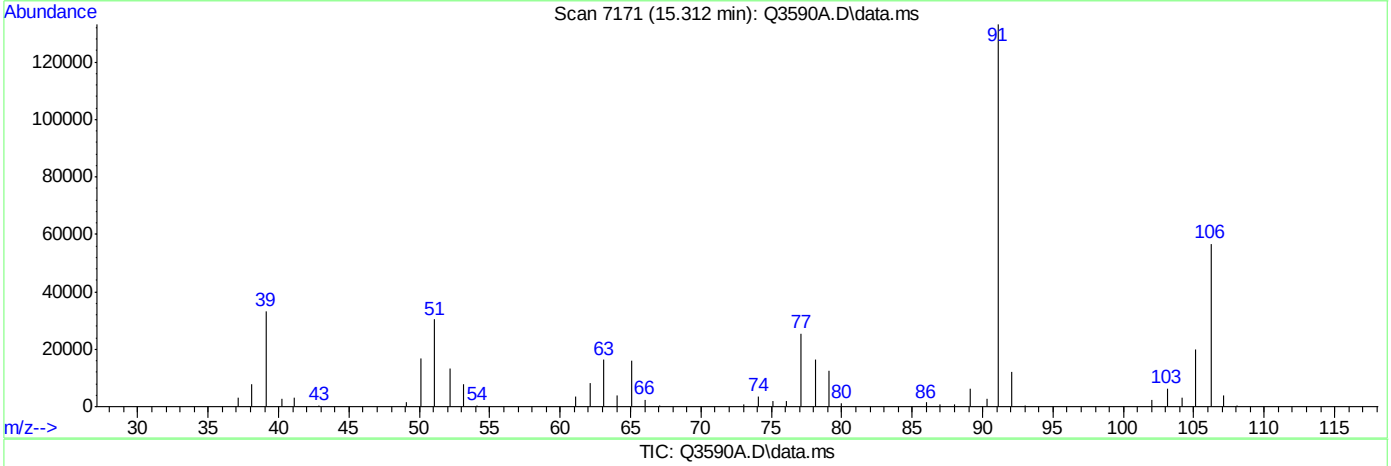
ACCUTEST Laboratories M65404

Quantitation Report (Qedit)

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

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





TIC: Q3590A.D\data.ms

(56) m,p-XYLENE (m)

15.312min (-0.012) 10.72PPBV

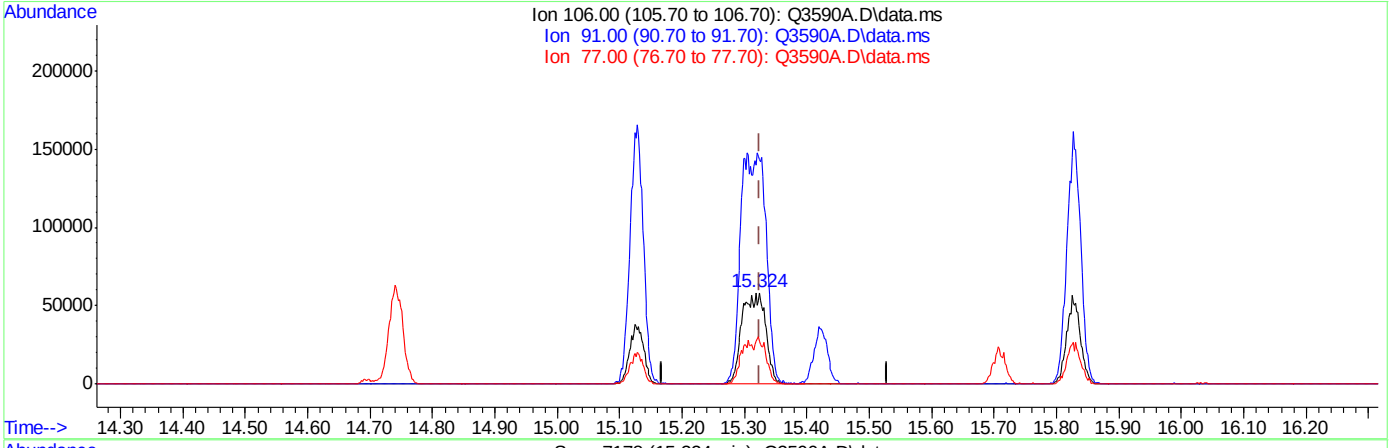
response 81777

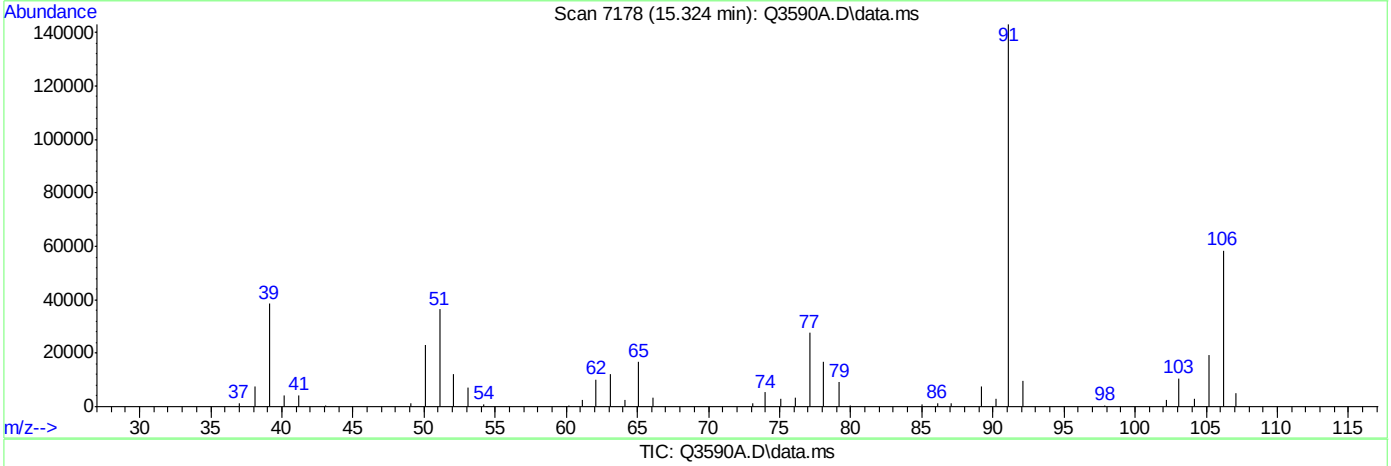
Ion	Exp%	Act%
106.00	100	100
91.00	204.20	235.06
77.00	30.60	44.89#
0.00	0.00	0.00

Quantitation Report (Qedit)

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

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





TIC: Q3590A.D\data.ms

(56) m,p-XYLENE (m)

15.324min (+0.000) 20.05PPBV m

response 152930

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10623.D
Acq On : 12 Jun 2007 3:14 pm
Operator : danat
Sample : m65402-2dup (m073)
Misc : MS13724, MSJ550,,,,,5
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 14 10:06:57 2007
Quant Method : C:\MSDCHEM\1\METHODS\J060707T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jun 12 11:28:25 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	436177	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.43	114	1750809	10.00	PPBV	-0.01
49) CHLOROBENZENE-D5	14.67	117	1587424	10.00	PPBV	-0.01

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.28	95	487933	5.06	PPBV	-0.02

Spiked Amount 5.000 Range 51 - 142 Recovery = 101.20%

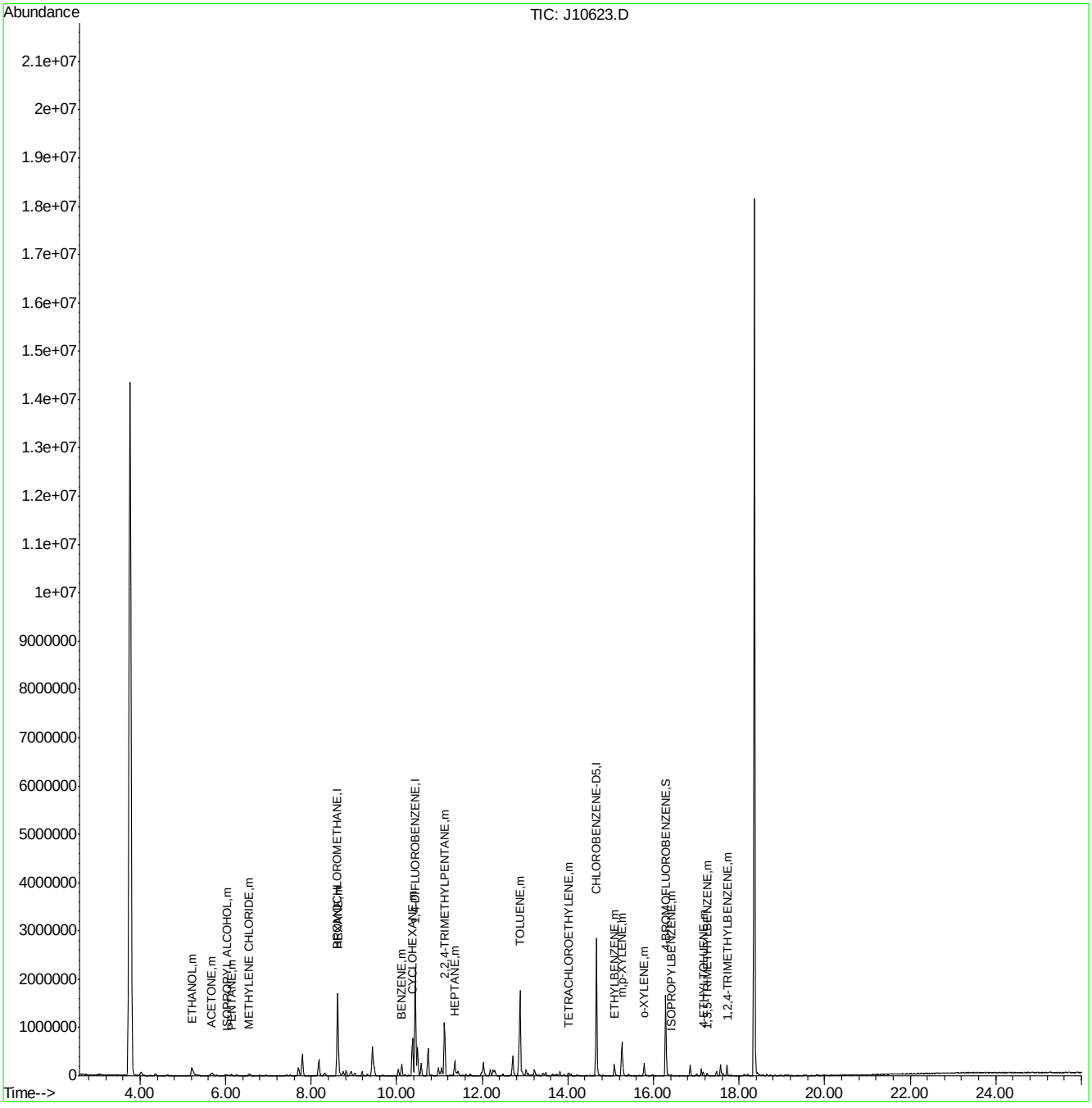
Target Compounds						Qvalue
11) ISOPROPYL ALCOHOL	6.03	45	47477	0.95	PPBV	86
12) ACETONE	5.68	43	108971	1.84	PPBV	97
13) PENTANE	6.14	42	11307	0.31	PPBV	93
16) ETHANOL	5.21	45	371309	40.45	PPBV	72
18) METHYLENE CHLORIDE	6.54	84	20984	0.54	PPBV	93
25) HEXANE	8.63	57	191951	3.74	PPBV	89
36) BENZENE	10.11	78	201379	2.09	PPBV	99
37) CYCLOHEXANE	10.37	84	266163	6.10	PPBV	96
41) 2,2,4-TRIMETHYLPENTANE	11.12	57	809784	5.74	PPBV	91
43) HEPTANE	11.36	43	102527	2.20	PPBV	97
46) TOLUENE	12.88	92	724134	8.67	PPBV	100
51) TETRACHLOROETHYLENE	14.01	164	13806	0.22	PPBV	93
55) ETHYLBENZENE	15.09	91	154824	1.80	PPBV	99
56) m,p-XYLENE	15.26	106	236550	4.96	PPBV	95
57) o-XYLENE	15.78	106	69745	1.90	PPBV	98
63) ISOPROPYLBENZENE	16.42	105	8496	1.15	PPBV	91
65) 4-ETHYLTOLUENE	17.17	105	35974	1.54	PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.25	105	23494	1.37	PPBV	96
67) 1,2,4-TRIMETHYLBENZENE	17.72	105	104534	1.91	PPBV	98

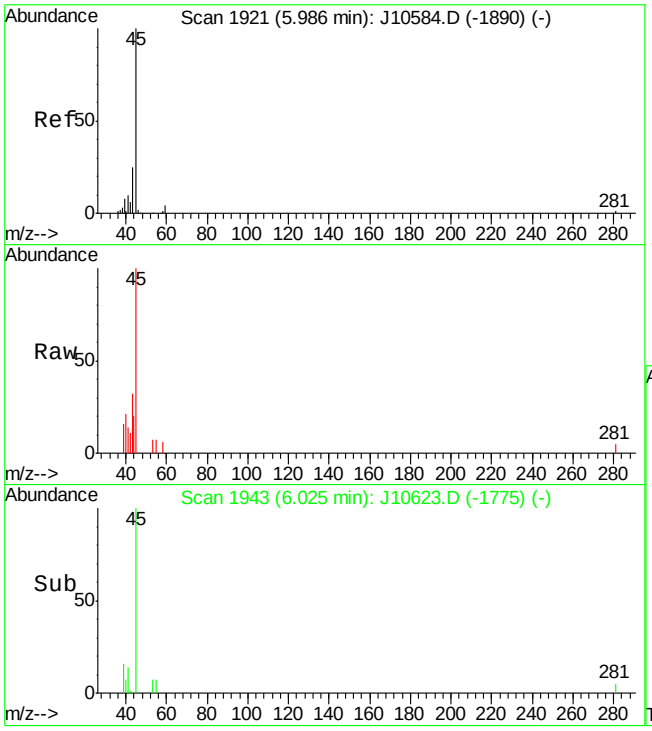
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10623.D
Acq On : 12 Jun 2007 3:14 pm
Operator : danat
Sample : m65402-2dup (m073)
Misc : MS13724, MSJ550,,,,,5
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 14 10:06:57 2007
Quant Method : C:\MSDCHEM\1\METHODS\J060707T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jun 12 11:28:25 2007
Response via : Initial Calibration

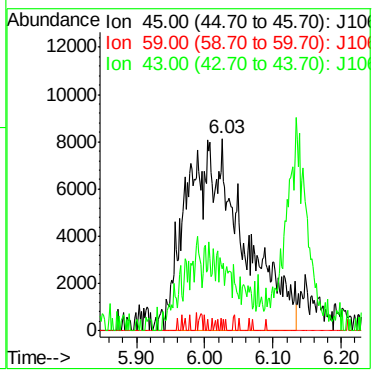


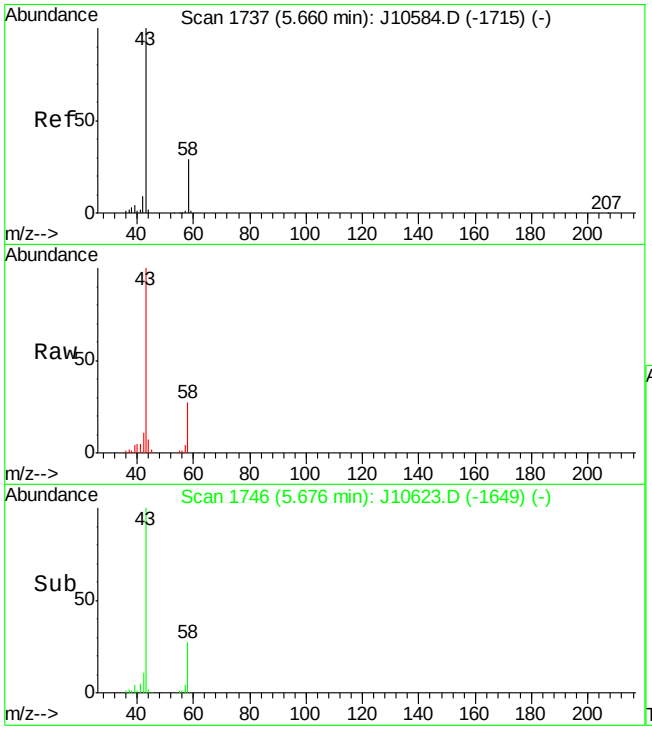


#11
ISOPROPYL ALCOHOL
Concen: 0.95 PPBV
RT: 6.03 min Scan# 1943
Delta R.T. 0.04 min
Lab File: J10623.D
Acq: 12 Jun 2007 3:14 pm

Tgt Ion: 45 Resp: 47477

Ion	Ratio	Lower	Upper
45	100		
59	0.0	0.0	24.0
43	32.0	4.9	44.9

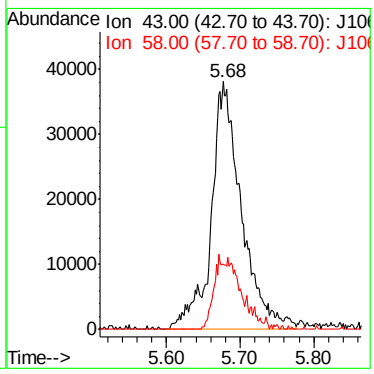


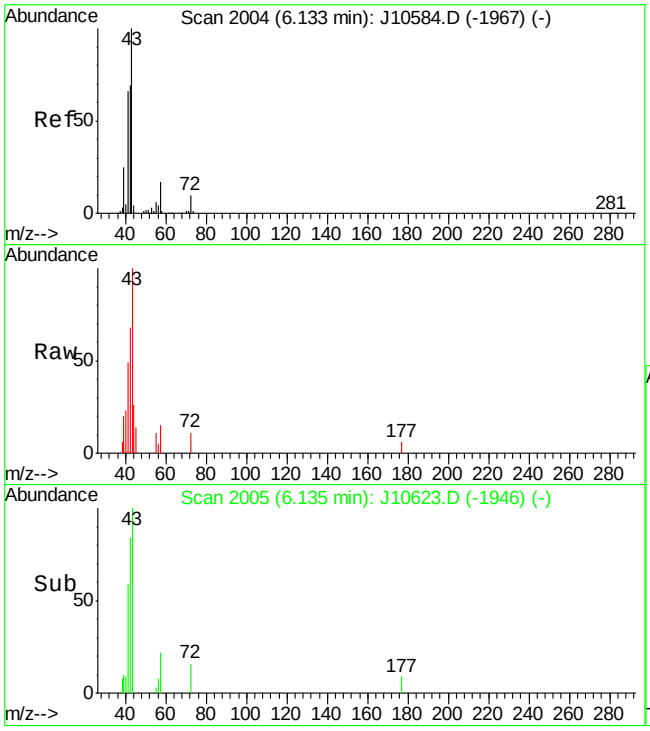


#12
ACETONE
Concen: 1.84 PPBV
RT: 5.68 min Scan# 1746
Delta R.T. 0.02 min
Lab File: J10623.D
Acq: 12 Jun 2007 3:14 pm

Tgt Ion: 43 Resp: 108971

Ion	Ratio	Lower	Upper
43	100		
58	26.2	7.7	47.7

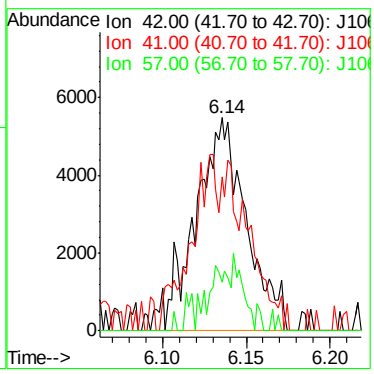


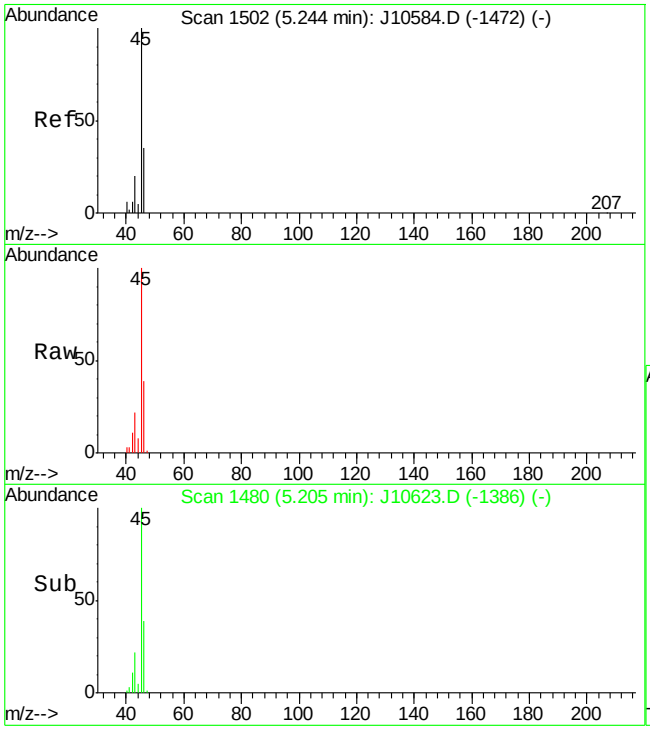


#13
PENTANE
Concen: 0.31 PPBV
RT: 6.14 min Scan# 2005
Delta R.T. 0.00 min
Lab File: J10623.D
Acq: 12 Jun 2007 3:14 pm

Tgt Ion: 42 Resp: 11307

Ion	Ratio	Lower	Upper
42	100		
41	89.8	75.4	115.4
57	20.2	5.3	45.3

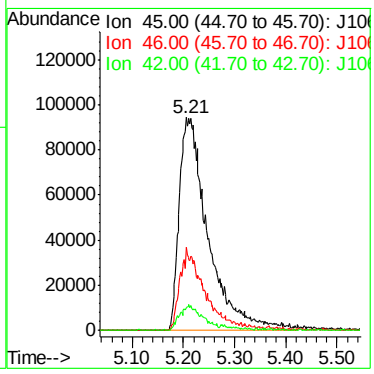


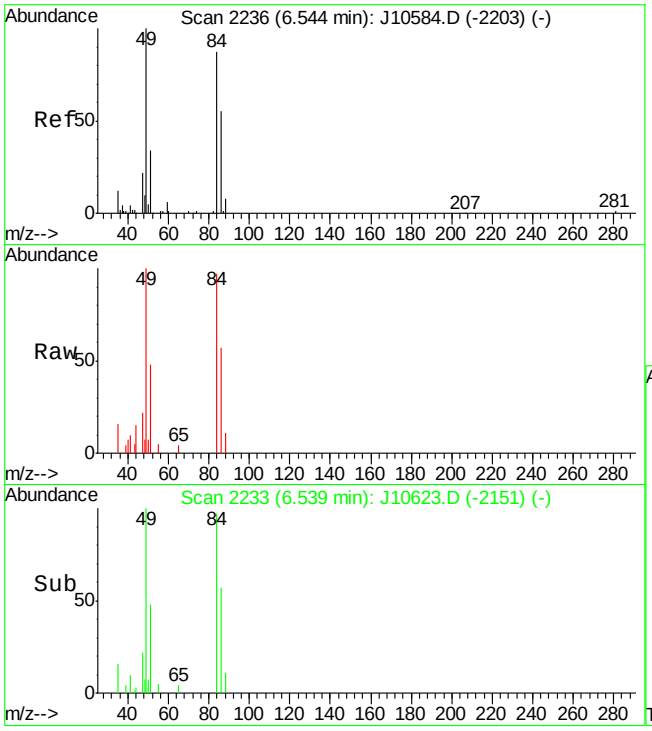


#16
ETHANOL
Concen: 40.45 PPBV
RT: 5.21 min Scan# 1480
Delta R.T. -0.04 min
Lab File: J10623.D
Acq: 12 Jun 2007 3:14 pm

Tgt Ion: 45 Resp: 371309

Ion	Ratio	Lower	Upper
45	100		
46	33.8	0.5	40.5
42	10.6	0.0	22.6

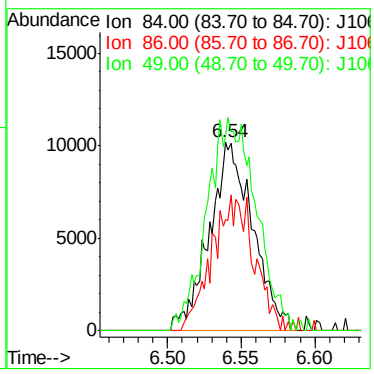


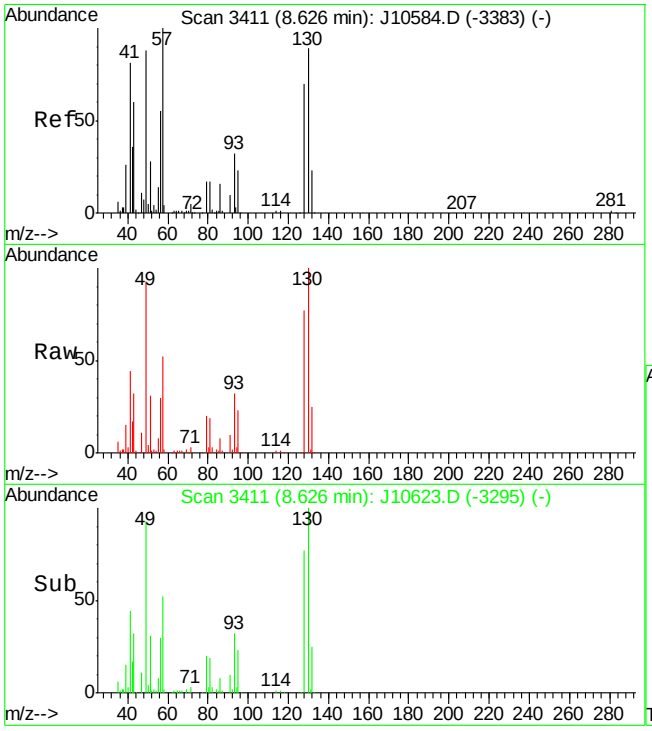


#18
METHYLENE CHLORIDE
Concen: 0.54 PPBV
RT: 6.54 min Scan# 2233
Delta R.T. -0.00 min
Lab File: J10623.D
Acq: 12 Jun 2007 3:14 pm

Tgt Ion: 84 Resp: 20984

Ion	Ratio	Lower	Upper
84	100		
86	68.7	43.8	83.8
49	127.2	0.0	319.3

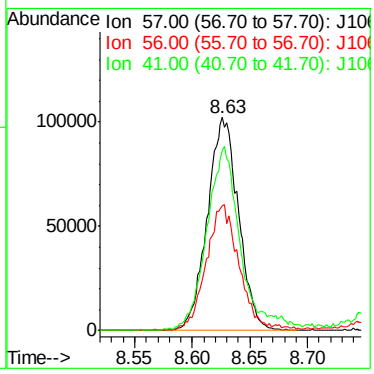


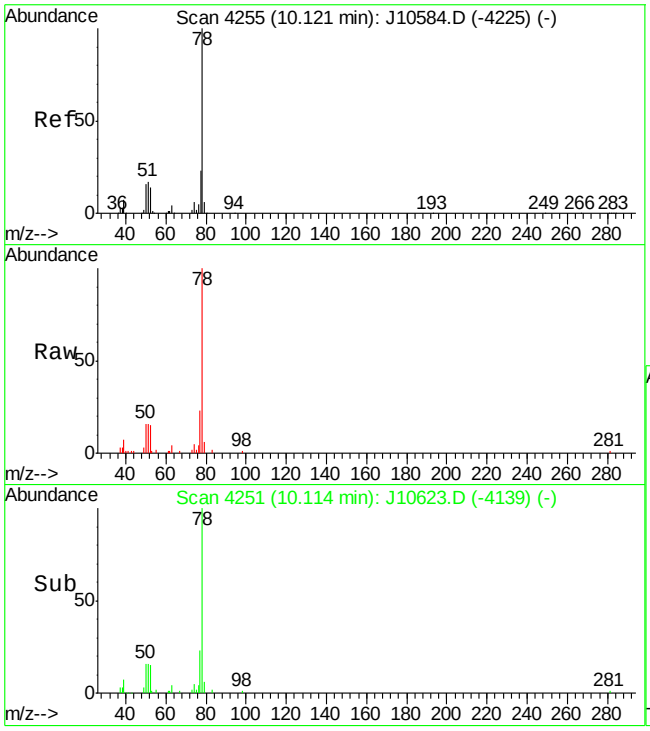


#25
HEXANE
Concen: 3.74 PPBV
RT: 8.63 min Scan# 3411
Delta R.T. 0.00 min
Lab File: J10623.D
Acq: 12 Jun 2007 3:14 pm

Tgt Ion: 57 Resp: 191951

Ion	Ratio	Lower	Upper
57	100		
56	63.3	37.7	77.7
41	95.5	63.8	103.8

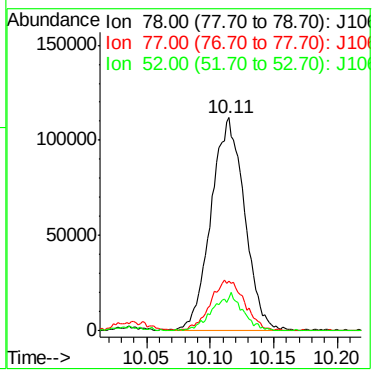


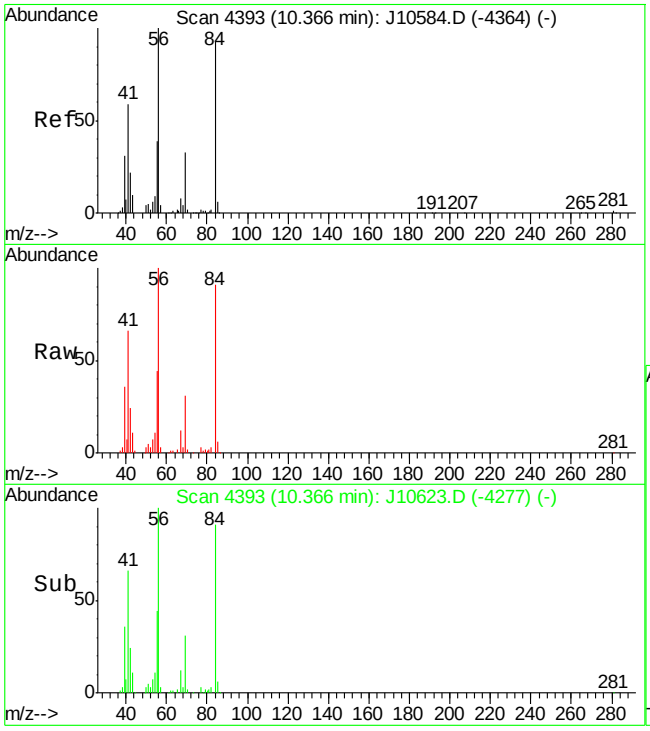


#36
BENZENE
Concen: 2.09 PPBV
RT: 10.11 min Scan# 4251
Delta R.T. -0.01 min
Lab File: J10623.D
Acq: 12 Jun 2007 3:14 pm

Tgt Ion: 78 Resp: 201379

Ion	Ratio	Lower	Upper
78	100		
77	24.2	4.1	44.1
52	15.8	0.0	34.8

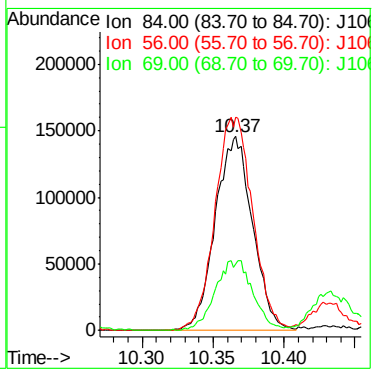


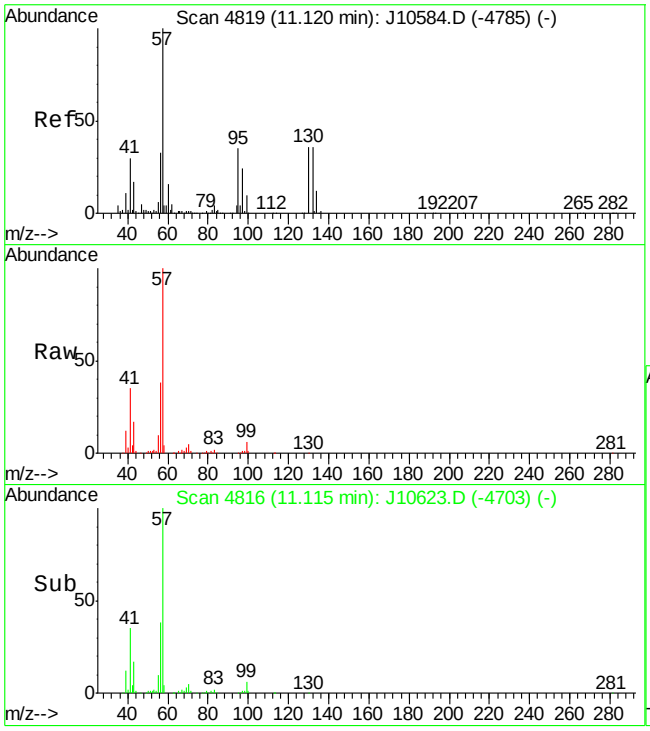


#37
CYCLOHEXANE
Concen: 6.10 PPBV
RT: 10.37 min Scan# 4393
Delta R.T. 0.00 min
Lab File: J10623.D
Acq: 12 Jun 2007 3:14 pm

Tgt Ion: 84 Resp: 266163

Ion	Ratio	Lower	Upper
84	100		
56	111.5	86.6	126.6
69	36.5	15.7	55.7

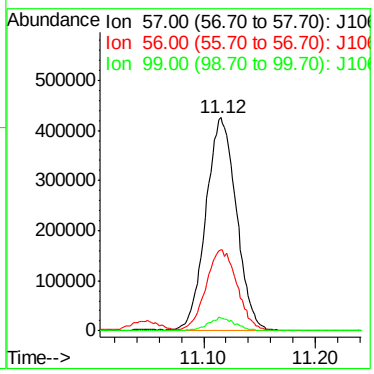


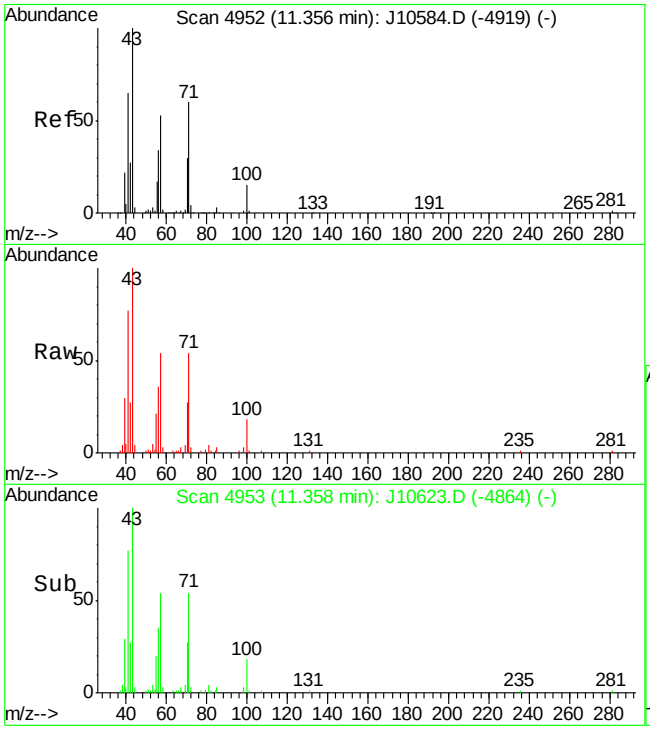


#41
2,2,4-TRIMETHYLPENTANE
Concen: 5.74 PPBV
RT: 11.12 min Scan# 4816
Delta R.T. -0.01 min
Lab File: J10623.D
Acq: 12 Jun 2007 3:14 pm

Tgt Ion: 57 Resp: 809784

Ion	Ratio	Lower	Upper
57	100		
56	38.9	14.2	54.2
99	5.5	0.0	29.4

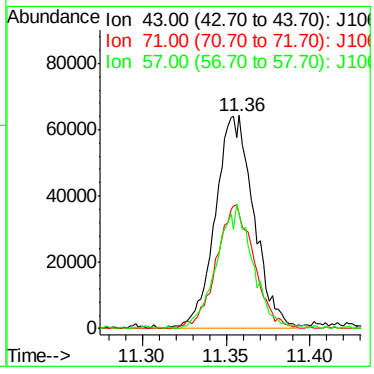


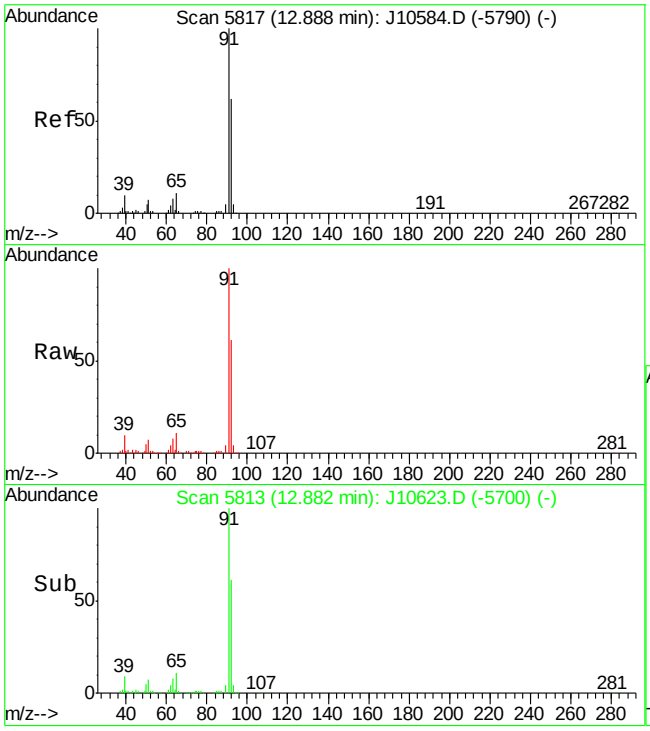


#43
HEPTANE
Concen: 2.20 PPBV
RT: 11.36 min Scan# 4953
Delta R.T. 0.00 min
Lab File: J10623.D
Acq: 12 Jun 2007 3:14 pm

Tgt Ion: 43 Resp: 102527

Ion	Ratio	Lower	Upper
43	100		
71	57.0	40.6	80.6
57	54.8	34.5	74.5

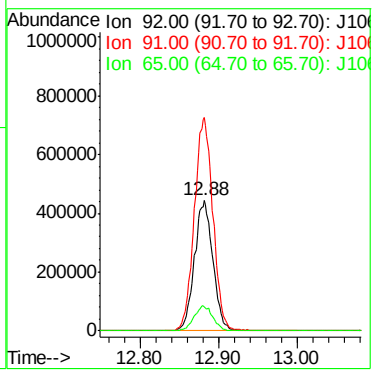


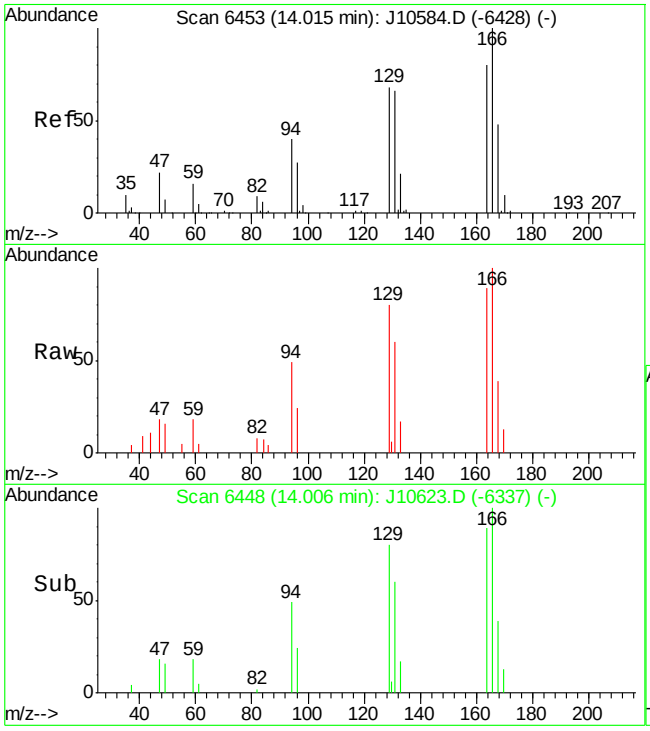


#46
TOLUENE
Concen: 8.67 PPBV
RT: 12.88 min Scan# 5813
Delta R.T. -0.01 min
Lab File: J10623.D
Acq: 12 Jun 2007 3:14 pm

Tgt Ion: 92 Resp: 724134

Ion	Ratio	Lower	Upper
92	100		
91	165.8	145.7	185.7
65	19.7	0.0	38.9

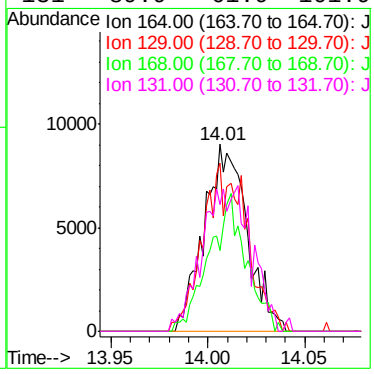


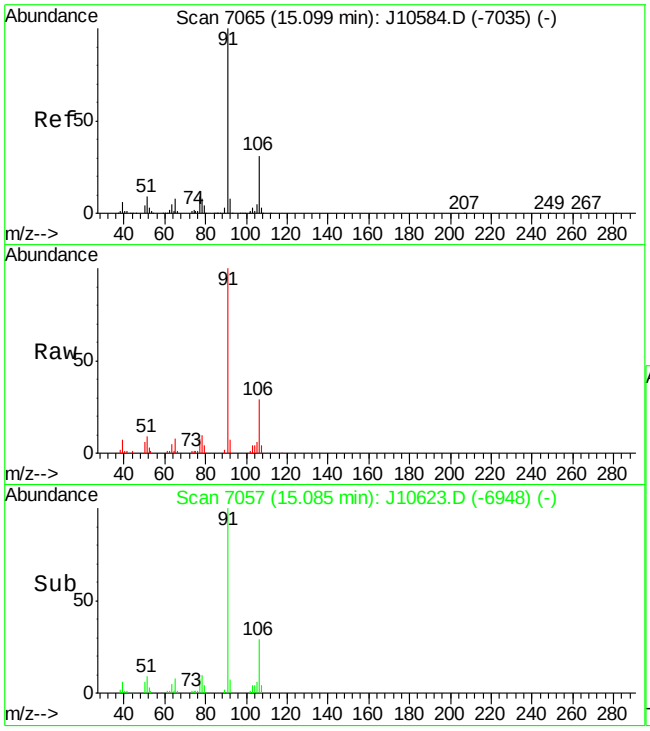


#51
TETRACHLOROETHYLENE
Concen: 0.22 PPBV
RT: 14.01 min Scan# 6448
Delta R.T. -0.01 min
Lab File: J10623.D
Acq: 12 Jun 2007 3:14 pm

Tgt Ion:164 Resp: 13806

Ion	Ratio	Lower	Upper
164	100		
129	91.8	65.6	105.6
168	63.8	41.3	81.3
131	89.9	61.9	101.9

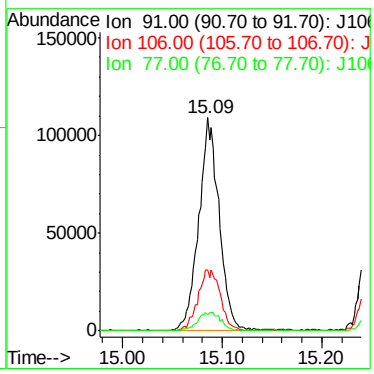


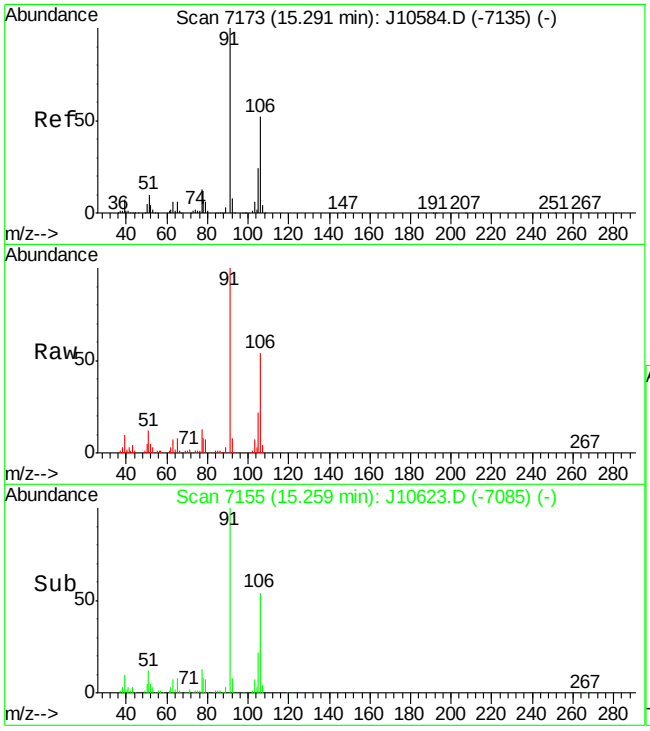


#55
ETHYLBENZENE
Concen: 1.80 PPBV
RT: 15.09 min Scan# 7057
Delta R.T. -0.01 min
Lab File: J10623.D
Acq: 12 Jun 2007 3:14 pm

Tgt Ion: 91 Resp: 154824

Ion	Ratio	Lower	Upper
91	100		
106	31.3	11.5	51.5
77	9.9	0.0	29.0

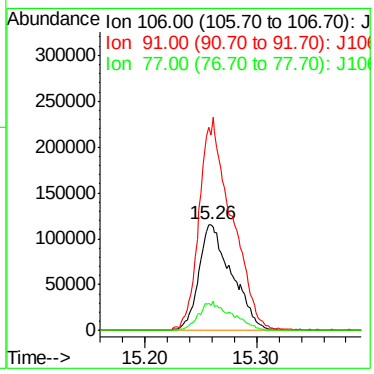


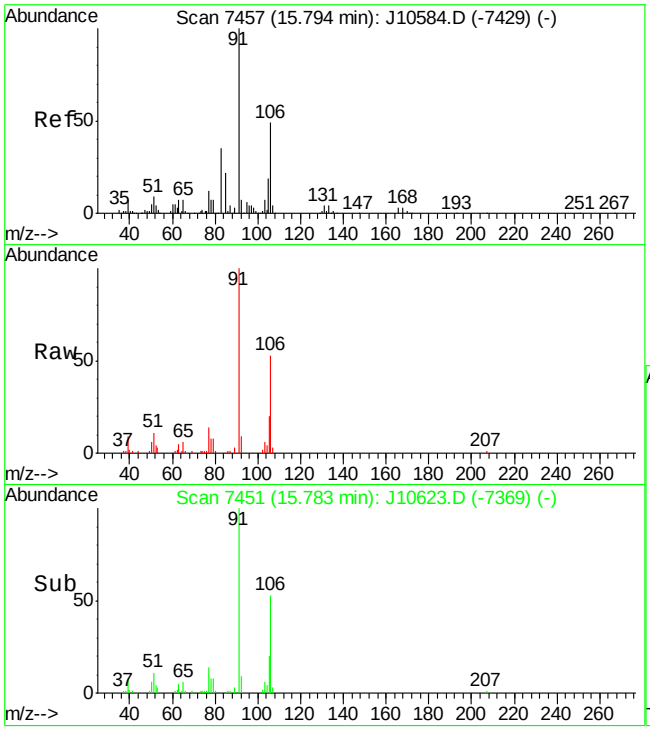


#56
m,p-XYLENE
Concen: 4.96 PPBV
RT: 15.26 min Scan# 7155
Delta R.T. -0.03 min
Lab File: J10623.D
Acq: 12 Jun 2007 3:14 pm

Tgt Ion:106 Resp: 236550

Ion	Ratio	Lower	Upper
106	100		
91	184.0	153.3	229.9
77	24.0	20.6	30.8

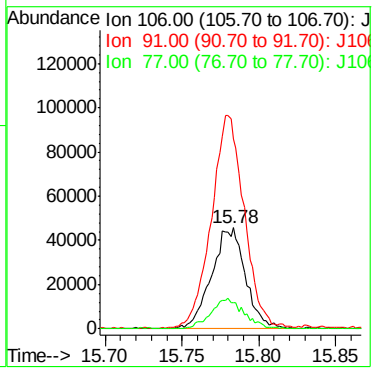


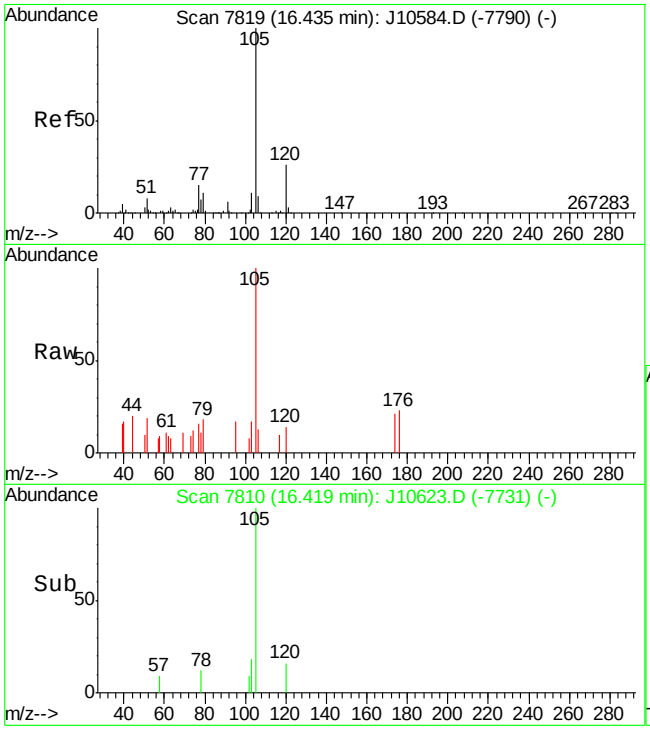


#57
o-XYLENE
Concen: 1.90 PPBV
RT: 15.78 min Scan# 7451
Delta R.T. -0.01 min
Lab File: J10623.D
Acq: 12 Jun 2007 3:14 pm

Tgt Ion:106 Resp: 69745

Ion	Ratio	Lower	Upper
106	100		
91	210.0	187.6	227.6
77	29.3	6.4	46.4

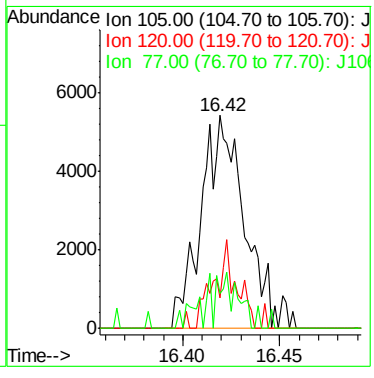


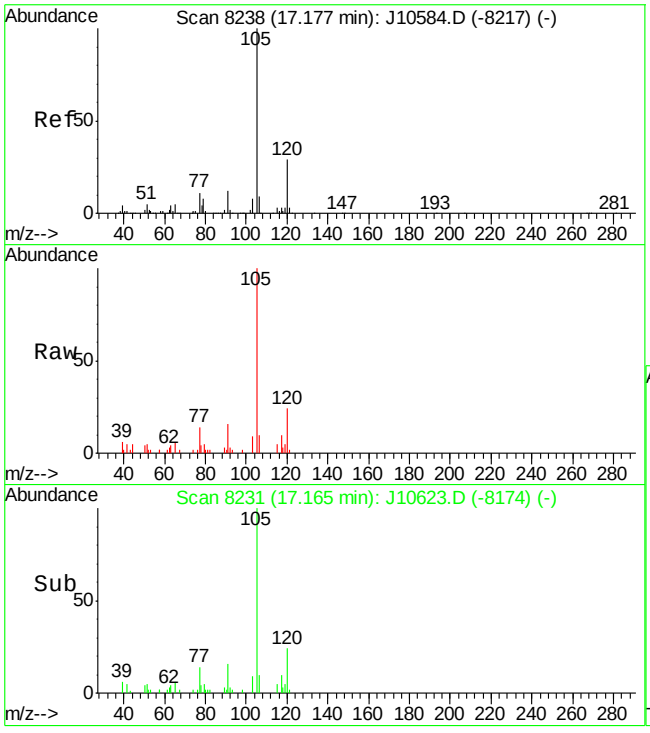


#63
ISOPROPYLBENZENE
Concen: 1.15 PPBV
RT: 16.42 min Scan# 7810
Delta R.T. -0.02 min
Lab File: J10623.D
Acq: 12 Jun 2007 3:14 pm

Tgt Ion:105 Resp: 8496

Ion	Ratio	Lower	Upper
105	100		
120	21.4	6.3	46.3
77	12.1	0.0	35.5

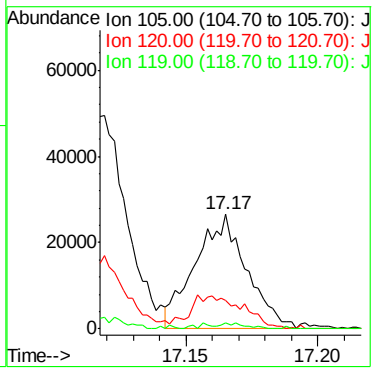


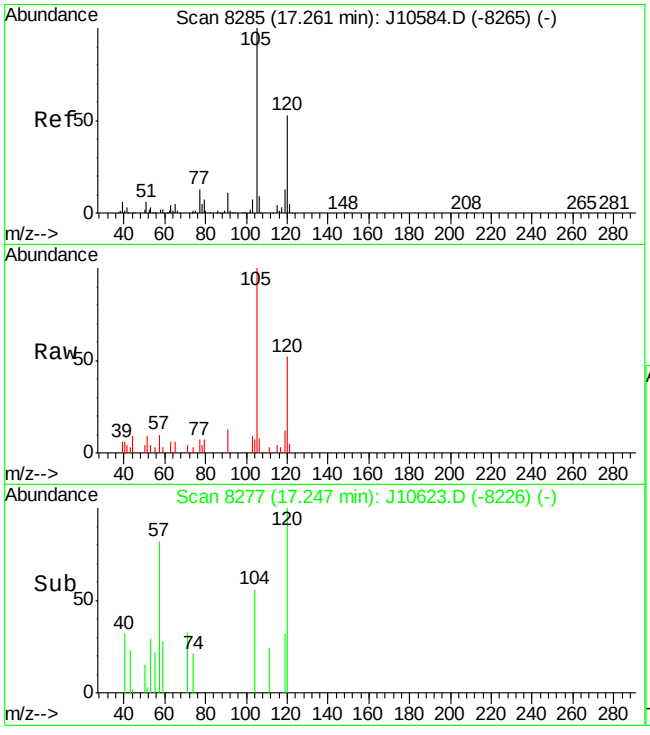


#65
4-ETHYLTOLUENE
Concen: 1.54 PPBV
RT: 17.17 min Scan# 8231
Delta R.T. -0.01 min
Lab File: J10623.D
Acq: 12 Jun 2007 3:14 pm

Tgt Ion:105 Resp: 35974

Ion	Ratio	Lower	Upper
105	100		
120	30.5	10.0	50.0
119	4.1	0.0	21.2

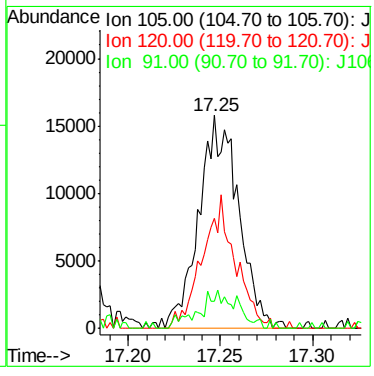


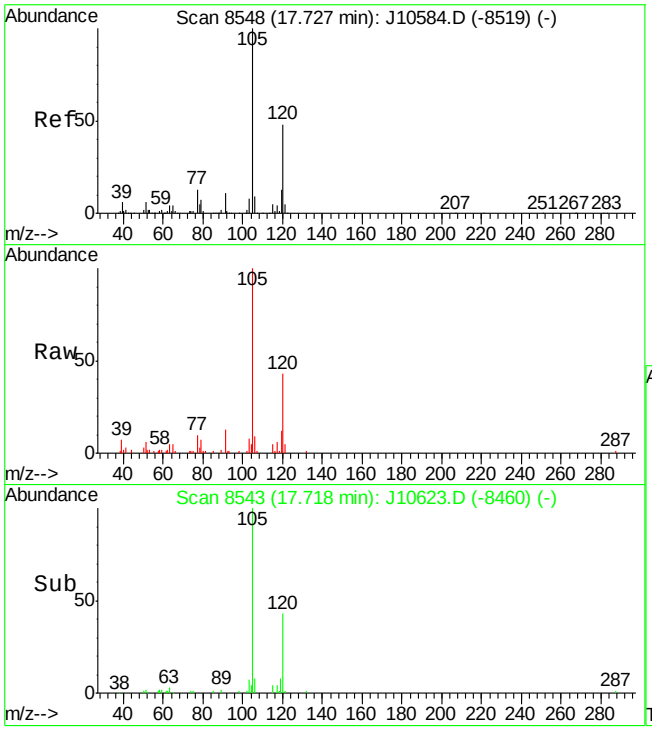


#66
1,3,5-TRIMETHYLBENZENE
Concen: 1.37 PPBV
RT: 17.25 min Scan# 8277
Delta R.T. -0.01 min
Lab File: J10623.D
Acq: 12 Jun 2007 3:14 pm

Tgt Ion:105 Resp: 23494

Ion	Ratio	Lower	Upper
105	100		
120	52.1	31.5	71.5
91	16.8	0.0	30.6

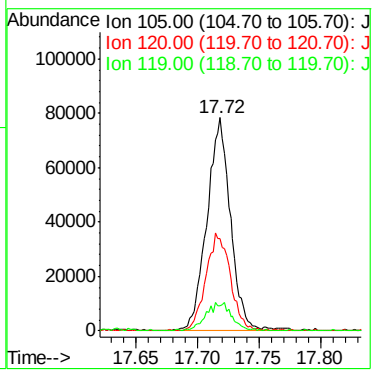




#67
1,2,4-TRIMETHYLBENZENE
Concen: 1.91 PPBV
RT: 17.72 min Scan# 8543
Delta R.T. -0.01 min
Lab File: J10623.D
Acq: 12 Jun 2007 3:14 pm

Tgt Ion:105 Resp: 104534

Ion	Ratio	Lower	Upper
105	100		
120	47.1	27.9	67.9
119	14.4	0.0	32.7



ACCUTEST Laboratories M65404

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3601.D
Acq On : 2 Jun 2007 12:03 am
Operator : PhilipB
Sample : Cert-04 (M136)
Misc : MS13676, MSQ195,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 04 11:00:15 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 31 09:26:17 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.426	128	26334	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.346	114	133041	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.696	117	114073	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.336	95	64090	4.80	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 96.00%

Target Compounds	Qvalue

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

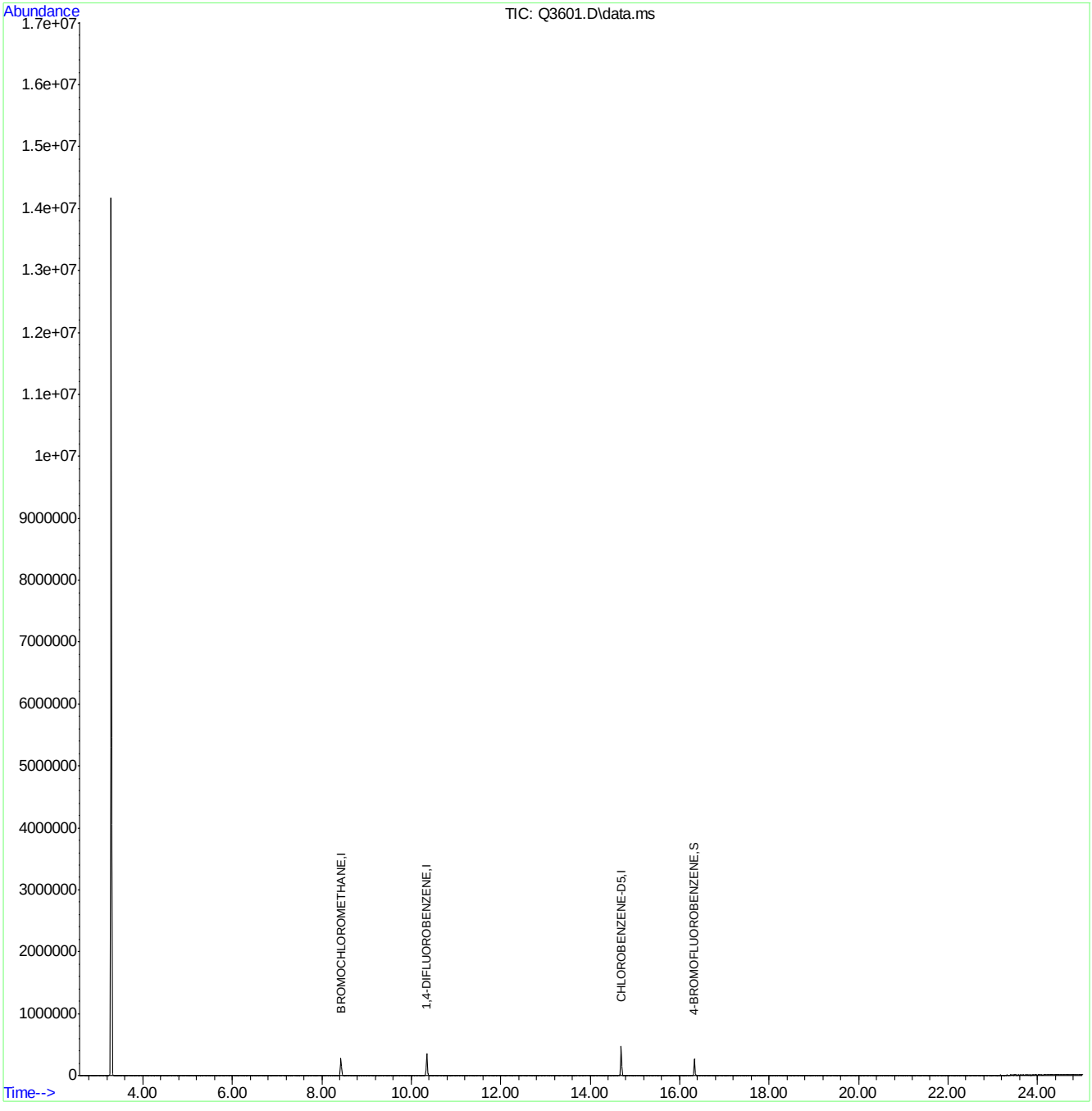
6.5.1

6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3601.D
Acq On : 2 Jun 2007 12:03 am
Operator : PhilipB
Sample : Cert-04 (M136)
Misc : MS13676, MSQ195,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 04 11:00:15 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 31 09:26:17 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3603.D
Acq On : 2 Jun 2007 1:30 am
Operator : PhilipB
Sample : Cert-06 (M115)
Misc : MS13676, MSQ195,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 04 11:02:15 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 31 09:26:17 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.431	128	26763	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.346	114	133551	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.698	117	114241	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.334	95	61995	4.63	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 92.60%

Target Compounds	Qvalue

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

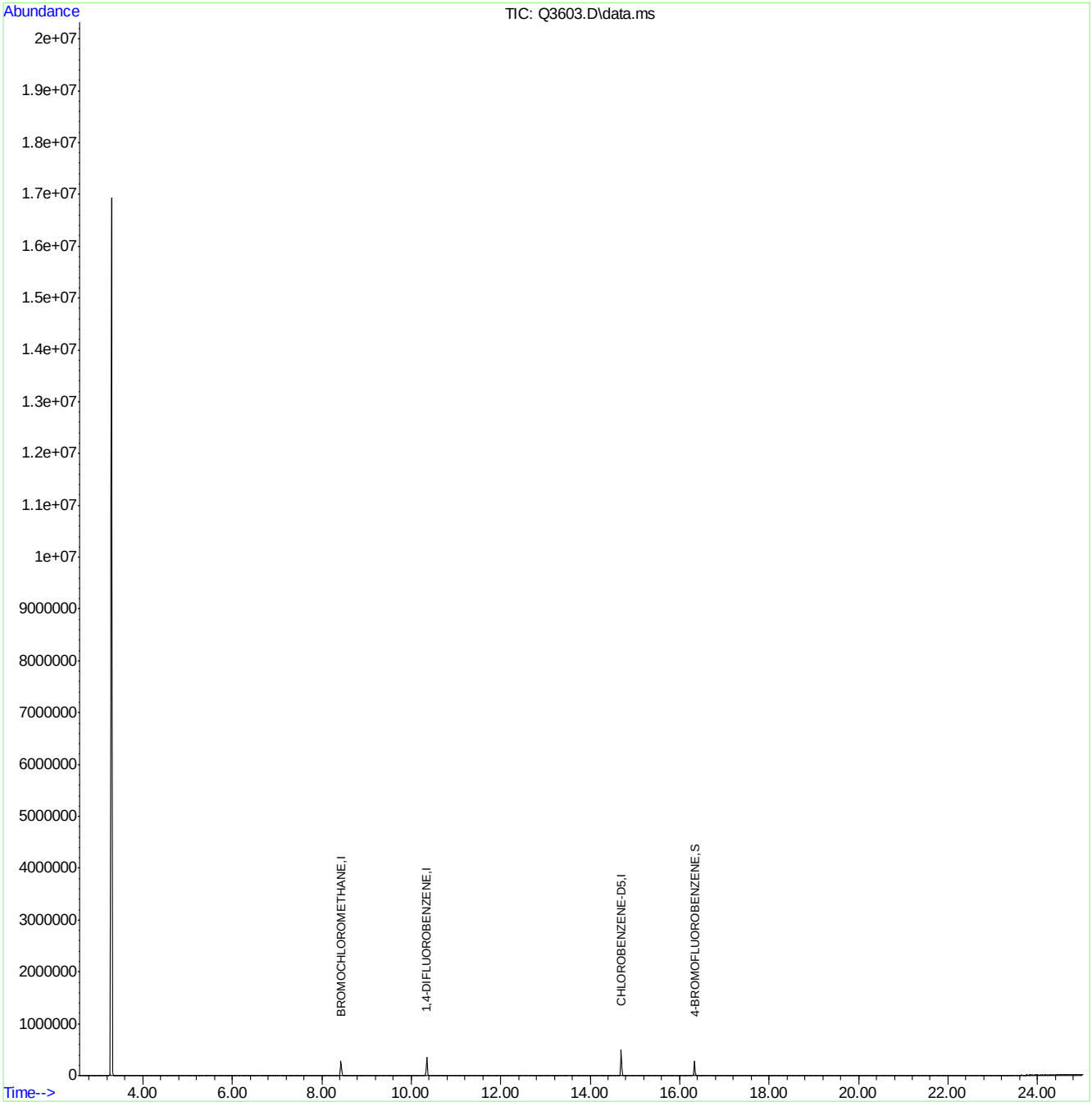
6.5.2

6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3603.D
Acq On : 2 Jun 2007 1:30 am
Operator : PhilipB
Sample : Cert-06 (M115)
Misc : MS13676, MSQ195,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 04 11:02:15 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 31 09:26:17 2007
Response via : Initial Calibration

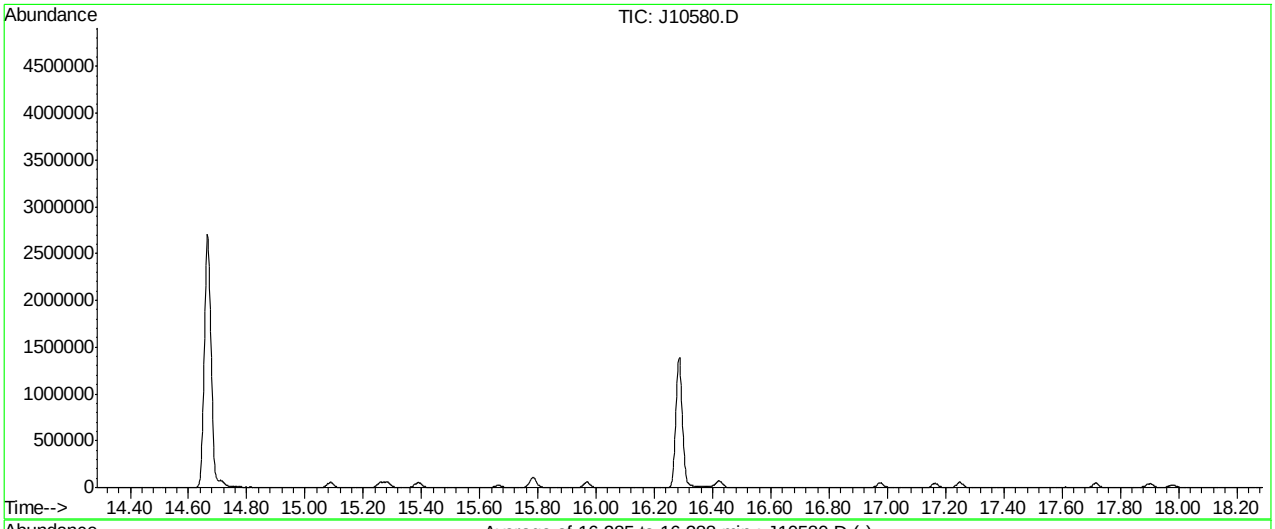


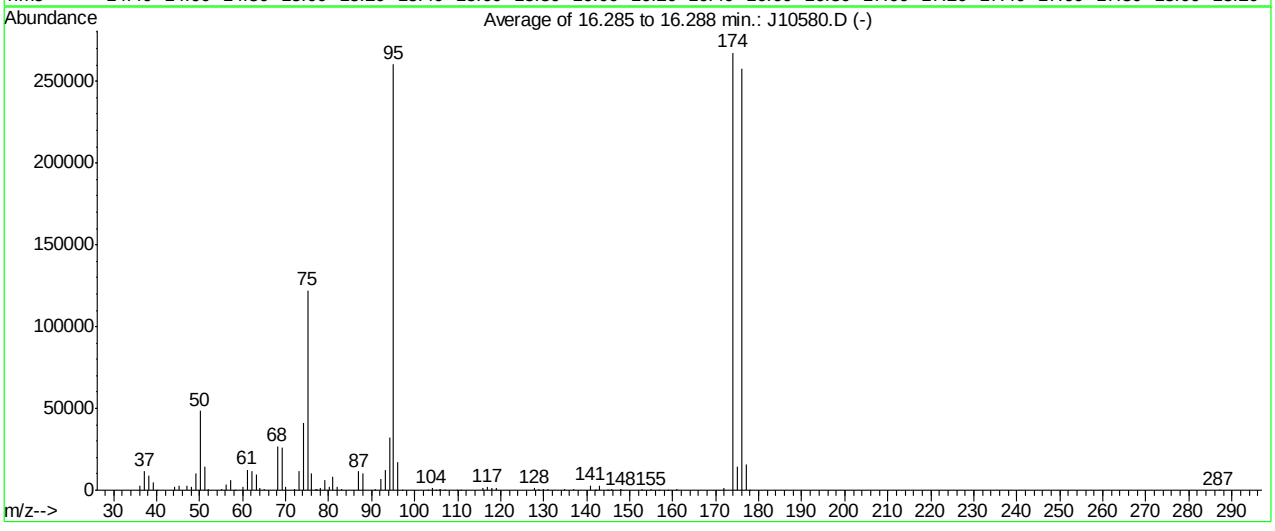
BFB

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

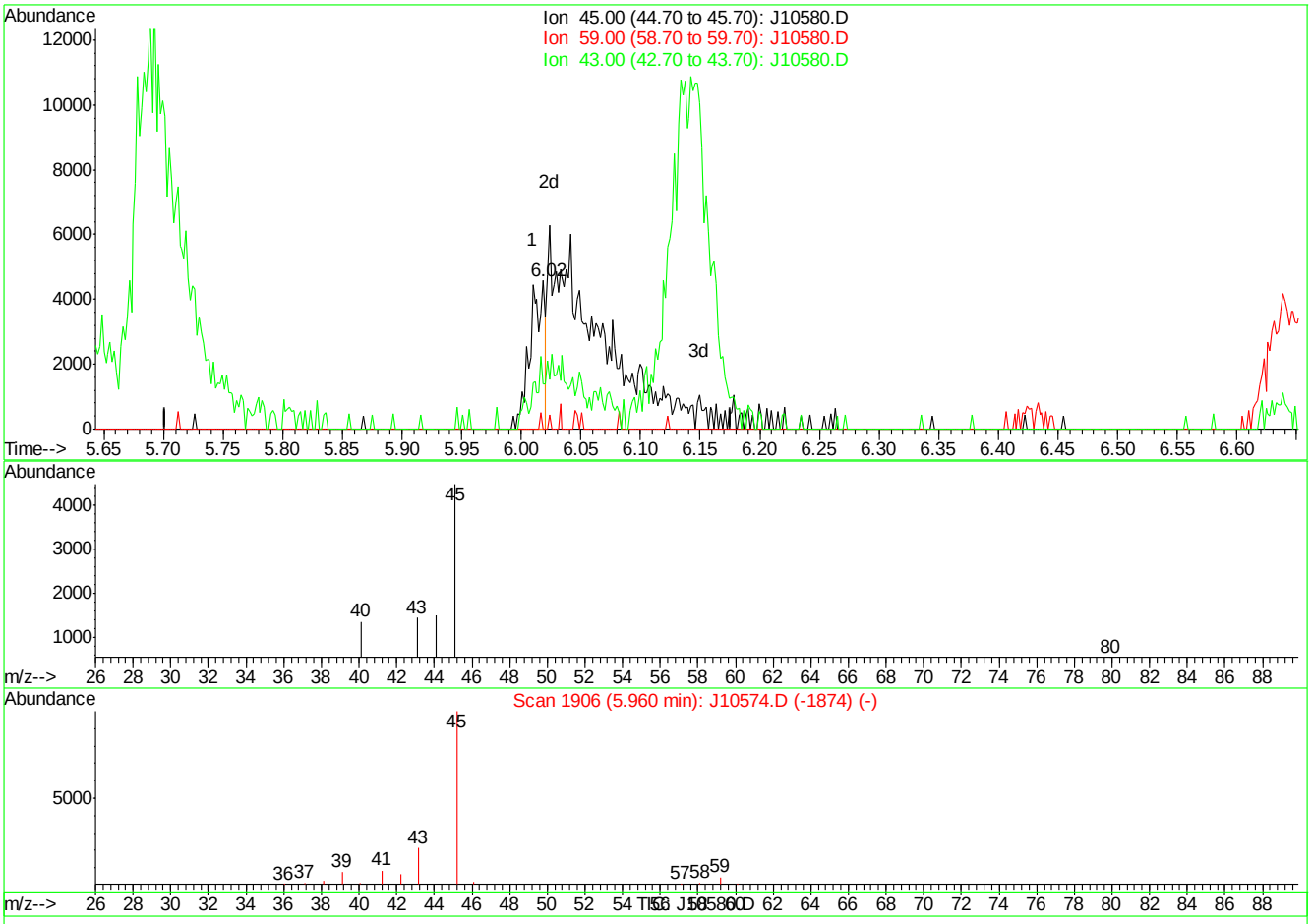
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
94.15	32104	110.70	174	141.00	3045	156.90	219
95.10	260629	115.95	1179	141.90	279	158.80	264
96.10	17365	117.00	1816	142.20	235	160.85	416
97.00	283	117.90	1249	143.00	2549	171.95	1539
103.10	147	119.00	1661	144.70	239	174.00	267626
104.00	1196	127.90	1274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

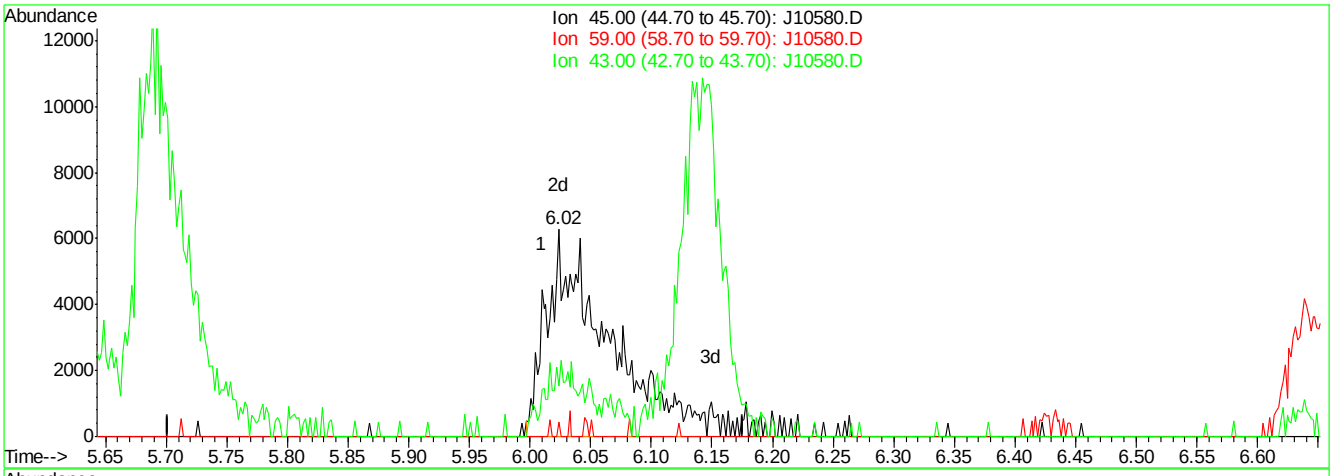
J10580.D J060707T.M Thu Jun 07 10:11:50 2007

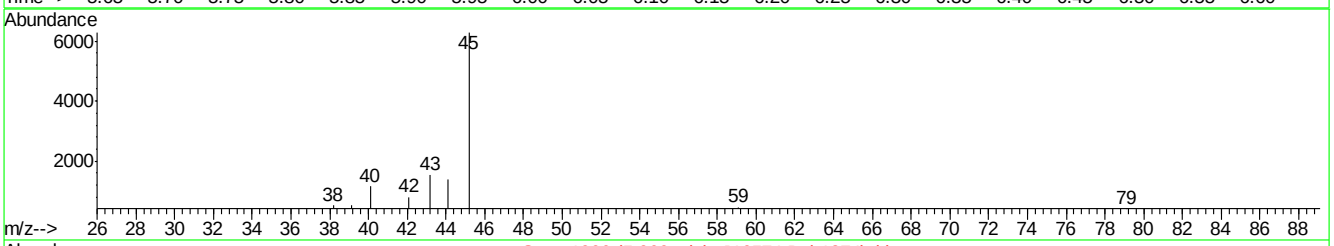
Quantitation Report (Qedit)

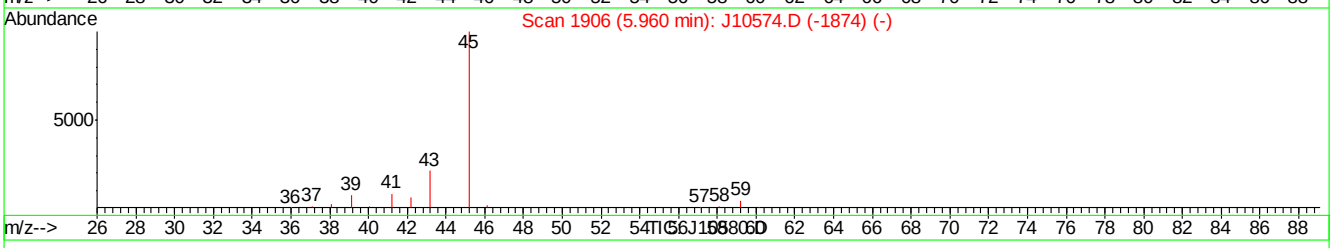
Data File : C:\MSDChem\1\data\J10580.D Vial: 1
Acq On : 7 Jun 2007 9:39 am Operator: danat
Sample : ic548-0.5 (m122) Inst : MSJ
Misc : MS13684, MSJ548,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

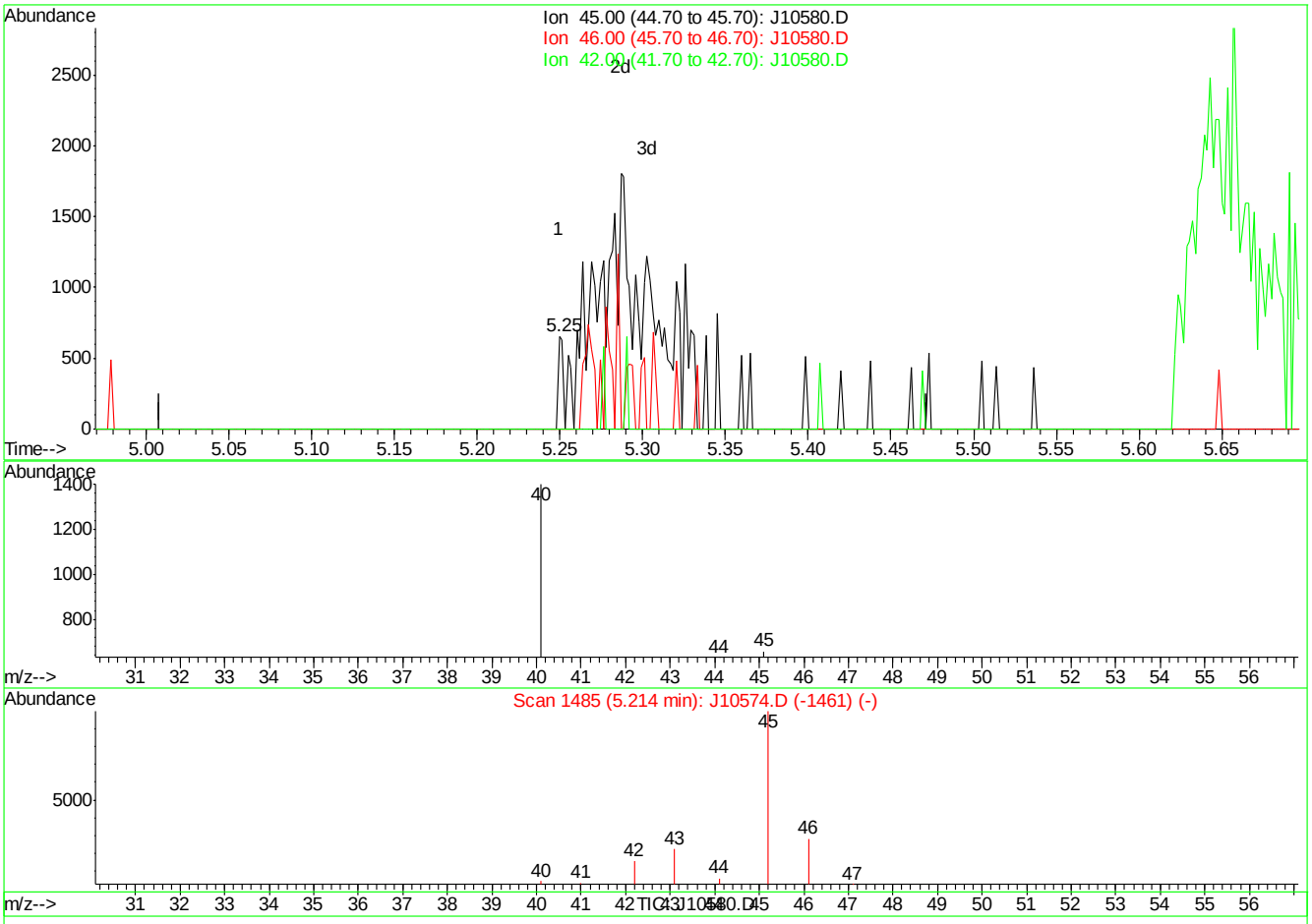
J10580.D J060707T.M Thu Jun 07 10:11:59 2007

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

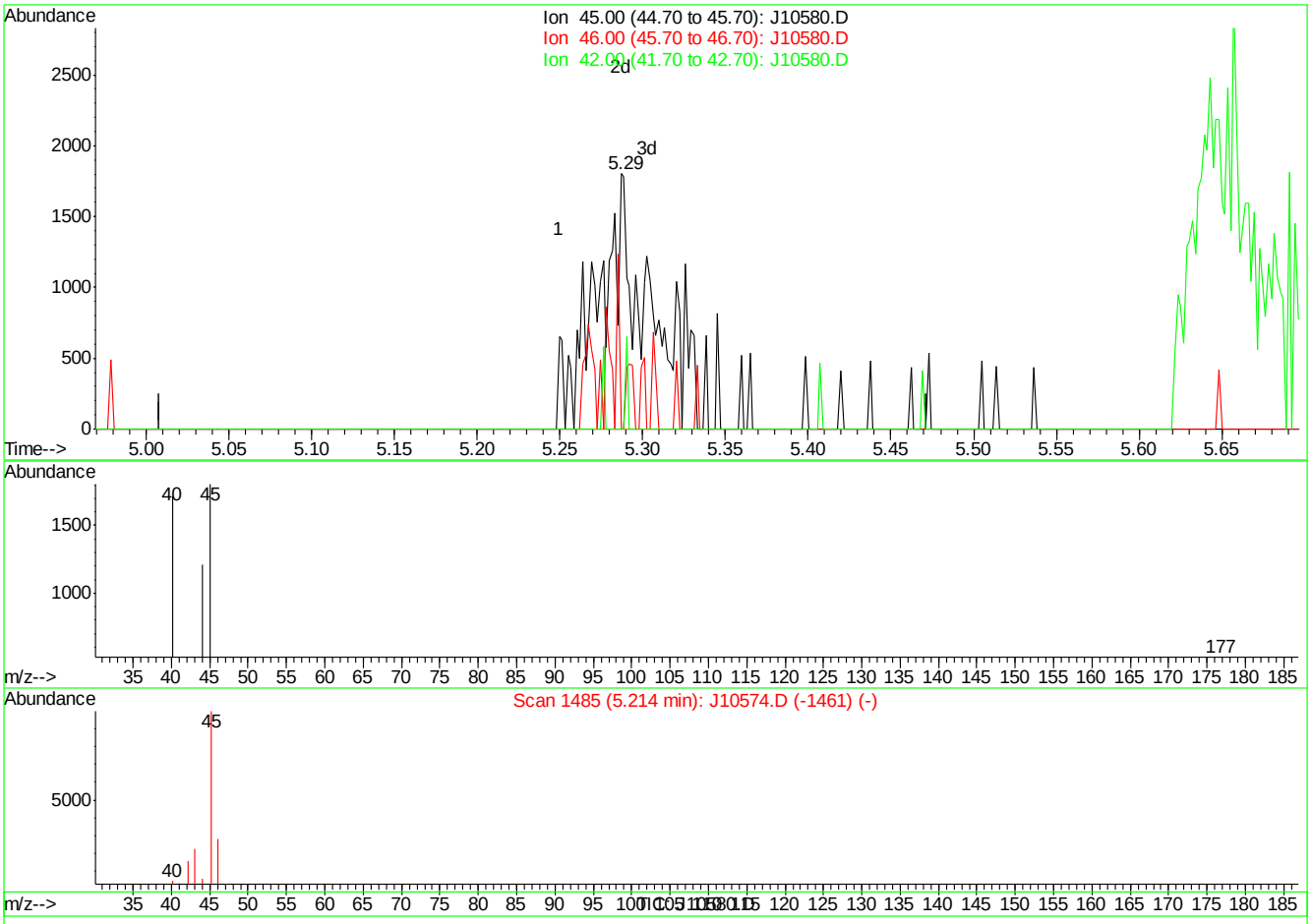
J10580.D J060707T.M Thu Jun 07 10:12:08 2007

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

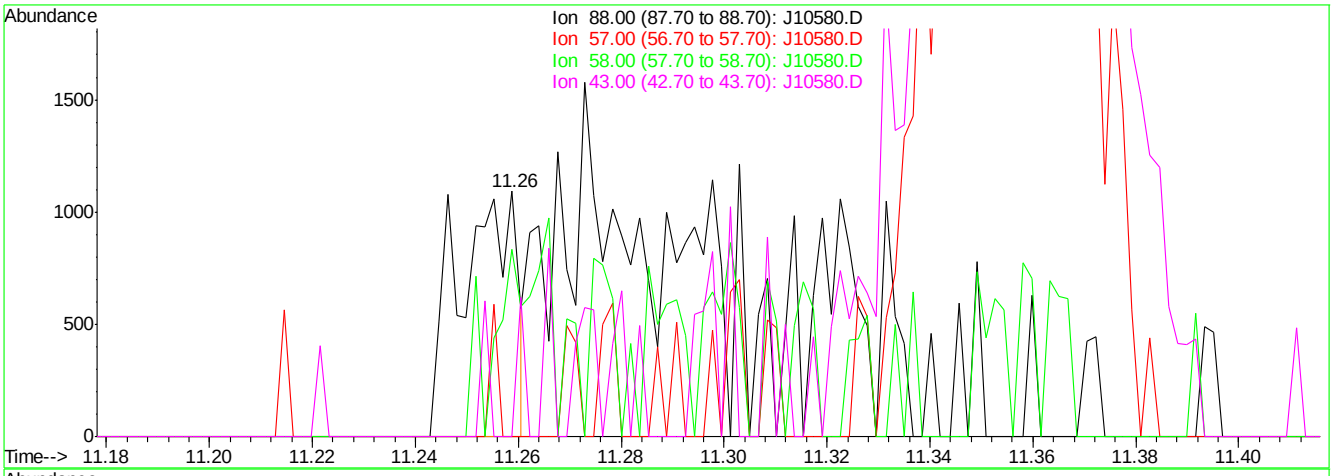
J10580.D J060707T.M Thu Jun 07 10:12:17 2007

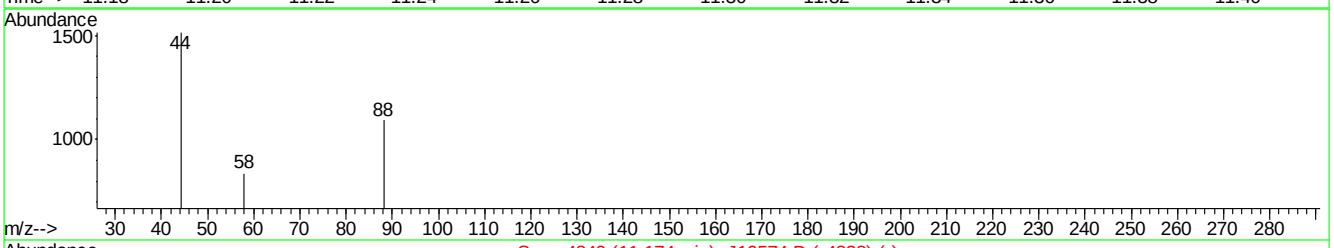
Quantitation Report (Qedit)

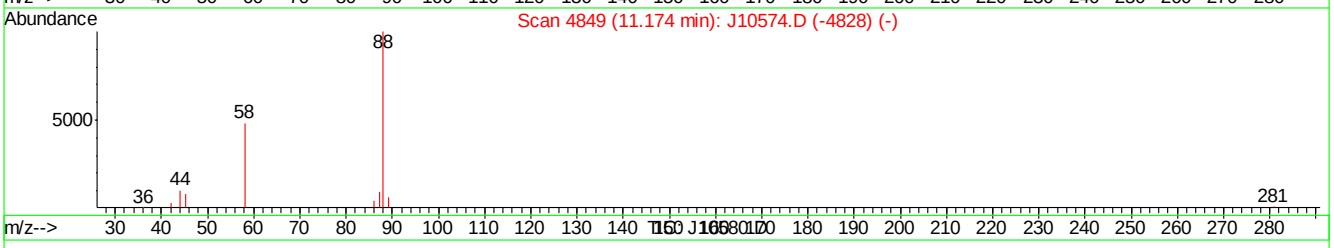
Data File : C:\MSDChem\1\data\J10580.D Vial: 1
Acq On : 7 Jun 2007 9:39 am Operator: danat
Sample : ic548-0.5 (m122) Inst : MSJ
Misc : MS13684, MSJ548,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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#

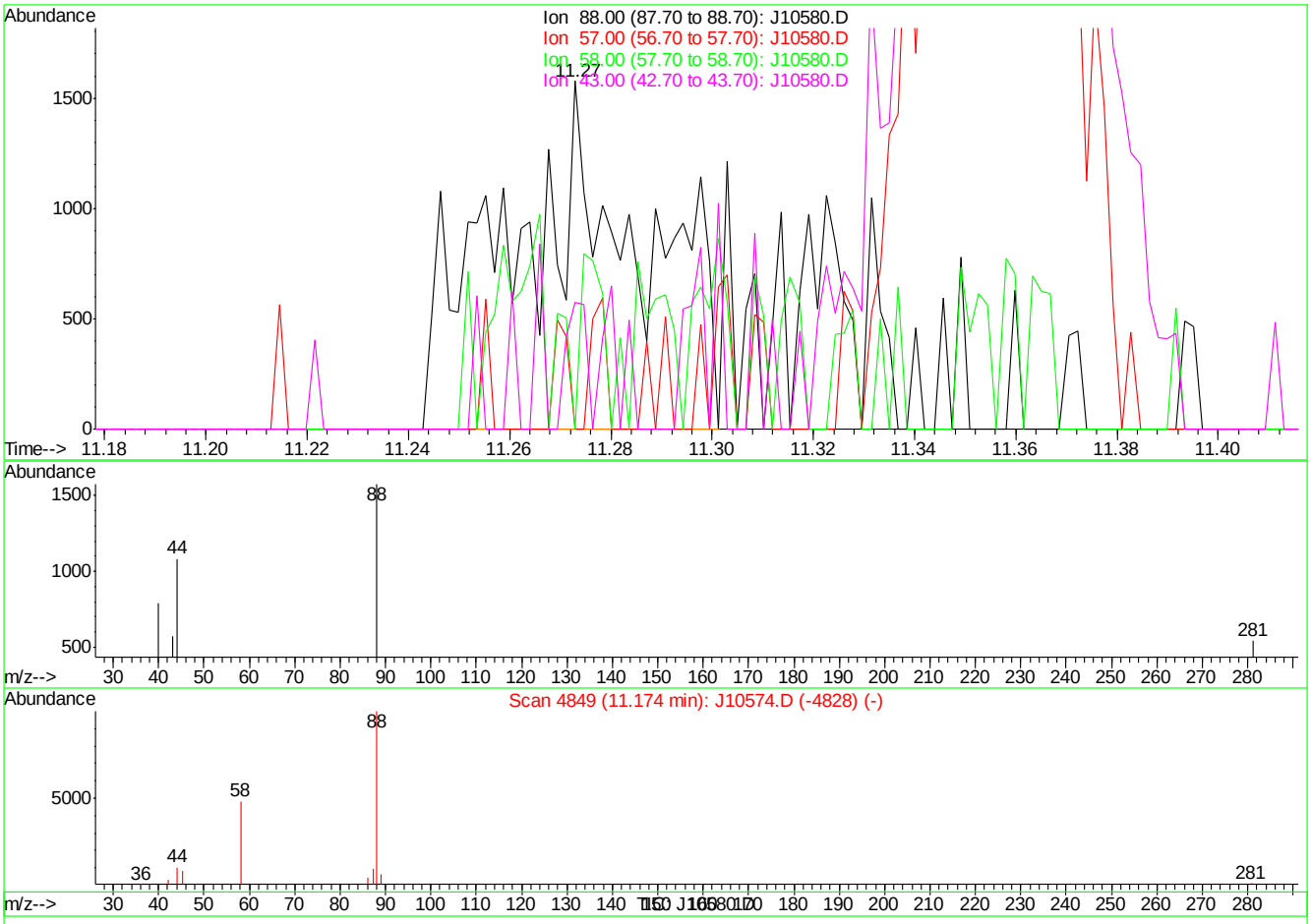
J10580.D J060707T.M Thu Jun 07 10:12:45 2007

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

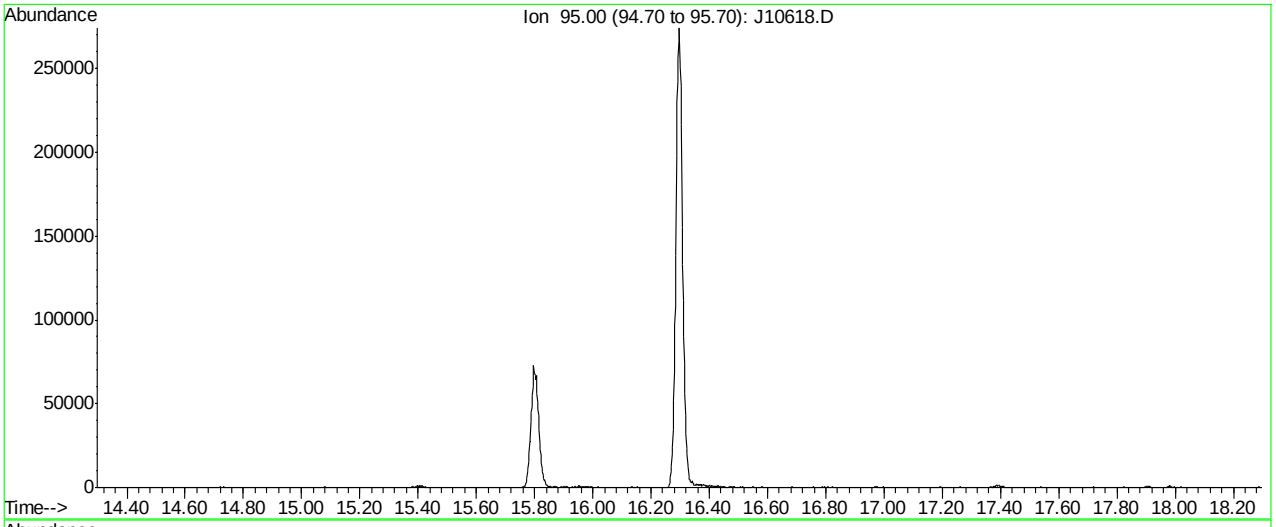
J10580.D J060707T.M Thu Jun 07 10:12:52 2007

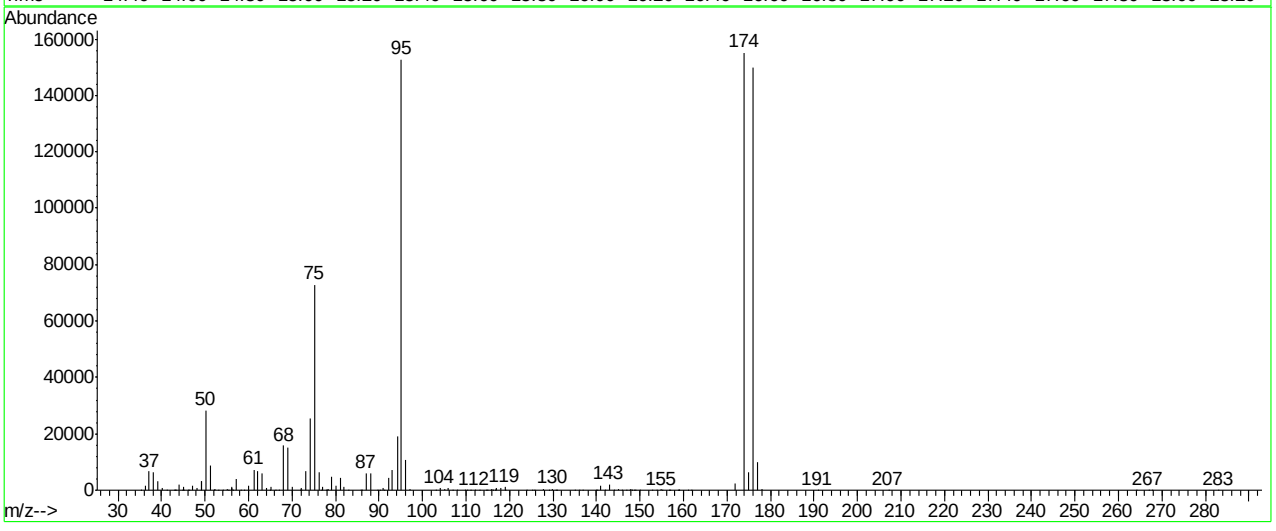
BFB

Data File : C:\MSDCHEM\1\DATA\J10618.D
Acq On : 12 Jun 2007 11:01 am
Sample : cc548-10 (m057)
Misc : MS13724, MSJ550,,,,,1
MS Integration Params: LSCINT.P

Vial: 1
Operator: danat
Inst : MSJ
Multiplr: 1.00

Method : C:\MSDCHEM\1\METHODS\J060707T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um





Spectrum Information: Average of 16.276 to 16.320 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	18.5	28339	PASS
75	95	30	66	47.6	72768	PASS
95	95	100	100	100.0	152823	PASS
96	95	5	9	7.0	10683	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	101.6	155231	PASS
175	174	4	9	4.2	6443	PASS
176	174	93	101	96.6	149887	PASS
177	176	5	9	6.7	9973	PASS

J10618.D J060707T.M Thu Jun 14 09:41:28 2007

Average of 16.276 to 16.320 min.: J10618.D
cc548-10 (m057)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.20	16	44.90	19	51.95	116	58.15	49
36.15	1726	45.00	95	52.15	270	58.90	16
37.15	6666	45.15	1399	53.05	51	60.10	1561
38.15	6384	46.00	68	54.05	34	61.15	7164
39.15	3130	46.40	20	55.05	270	62.10	6875
40.05	828	47.10	1489	55.25	151	63.10	5871
41.15	34	48.05	823	56.05	1173	64.05	792
43.00	43	49.10	3161	56.10	655	65.00	173
43.10	57	49.20	3047	56.20	446	65.15	1398
43.25	62	50.10	28339	56.40	19	66.05	75
44.10	1992	51.15	8664	57.10	3839	67.05	131

Average of 16.276 to 16.320 min.: J10618.D
cc548-10 (m057)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
68.10	15833	77.05	1097	87.05	6077	97.05	392
69.10	15273	77.90	98	88.05	5836	103.10	23
70.10	1035	78.00	127	89.70	16	103.95	778
71.90	17	78.20	265	90.05	34	105.00	230
72.00	26	79.05	4648	91.00	783	105.95	709
72.15	684	80.00	1622	91.15	76	106.95	75
73.15	6867	81.05	4585	92.10	4248	107.90	18
74.10	25272	81.90	1312	93.05	7073	109.85	36
75.10	72768	83.00	35	94.15	19166	110.20	19
76.15	6234	85.85	43	95.10	152823	110.95	42
76.80	49	86.10	27	96.05	10683	112.05	67

Average of 16.276 to 16.320 min.: J10618.D
cc548-10 (m057)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
113.00	18	119.05	40	136.85	143	147.90	273
114.75	44	123.90	17	140.00	21	148.05	50
115.00	101	125.10	16	140.20	17	148.75	75
115.60	16	125.80	17	140.95	1708	149.00	16
115.90	380	127.90	528	141.95	161	149.90	91
116.05	123	129.00	137	142.95	2015	152.75	40
116.75	47	129.95	562	144.05	51	153.85	54
116.90	317	130.70	16	144.95	273	154.90	342
117.05	770	130.95	187	145.90	211	155.05	82
117.95	631	134.90	211	146.90	24	156.70	35
118.90	1026	136.00	17	147.50	15	156.95	210

Average of 16.276 to 16.320 min.: J10618.D
cc548-10 (m057)

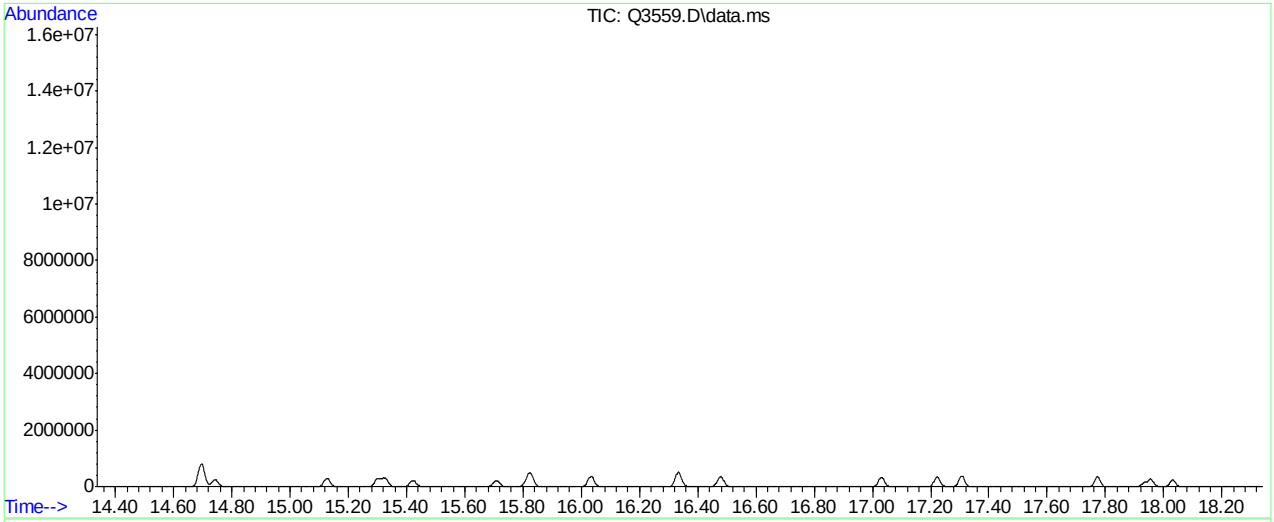
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
158.80	25	190.80	15				
158.90	102	207.05	32				
159.05	72	264.00	15				
160.90	56	266.85	35				
161.80	18	267.80	18				
171.95	2418	283.00	20				
173.95	155231						
174.95	6443						
175.95	149887						
176.95	9973						
177.95	224						

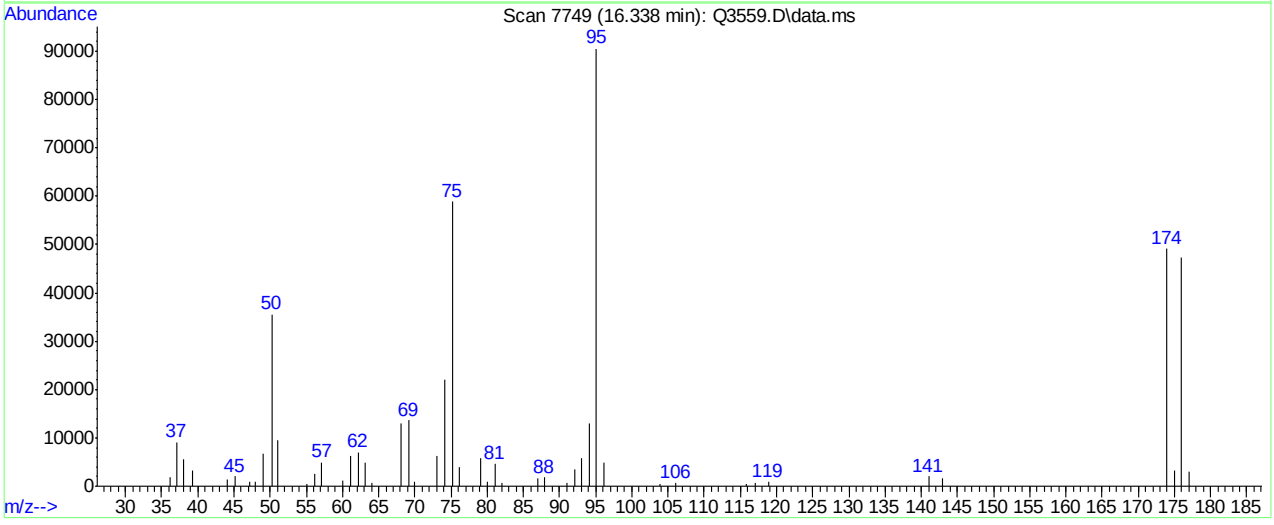
BFB

Data File : C:\msdchem\1\DATA\Q3559.D
Acq On : 30 May 2007 11:43 am
Sample : IC193-5 (M017)
Misc : MS13624, MSQ193,,,,,1
MS Integration Params: LSCINT.P

Vial: 1
Operator: PhilipB
Inst : MAMSQ
Multiplr: 1.00

Method : C:\msdchem\1\METHODS\Q053007T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um





Spectrum Information: Scan 7749

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	39.2	35488	PASS
75	95	30	66	65.0	58832	PASS
95	95	100	100	100.0	90552	PASS
96	95	5	9	5.4	4883	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	54.2	49120	PASS
175	174	4	9	6.9	3371	PASS
176	174	93	101	96.2	47272	PASS
177	176	5	9	6.3	2966	PASS

Q3559.D Q053007T.m Wed May 30 16:53:00 2007 RPT1

Scan 7749 (16.338 min): Q3559.D\data.ms
IC193-5 (M017)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.10	1960	55.00	410	73.10	6187	92.10	3527
37.10	9075	56.10	2531	74.10	22112	93.00	5763
38.10	5659	57.10	4984	75.20	58832	94.10	12902
39.20	3175	60.00	1058	76.10	4051	95.10	90552
44.10	1425	61.10	6273	79.10	5915	96.10	4883
45.10	2083	62.20	6965	80.00	868	103.90	553
47.10	986	63.10	4850	81.10	4633	106.10	597
48.00	910	64.00	702	82.00	817	115.80	425
49.10	6778	68.10	13021	87.00	1660	117.00	689
50.20	35488	69.10	13679	87.90	1797	118.90	842
51.10	9590	70.00	879	91.00	726	141.00	1997

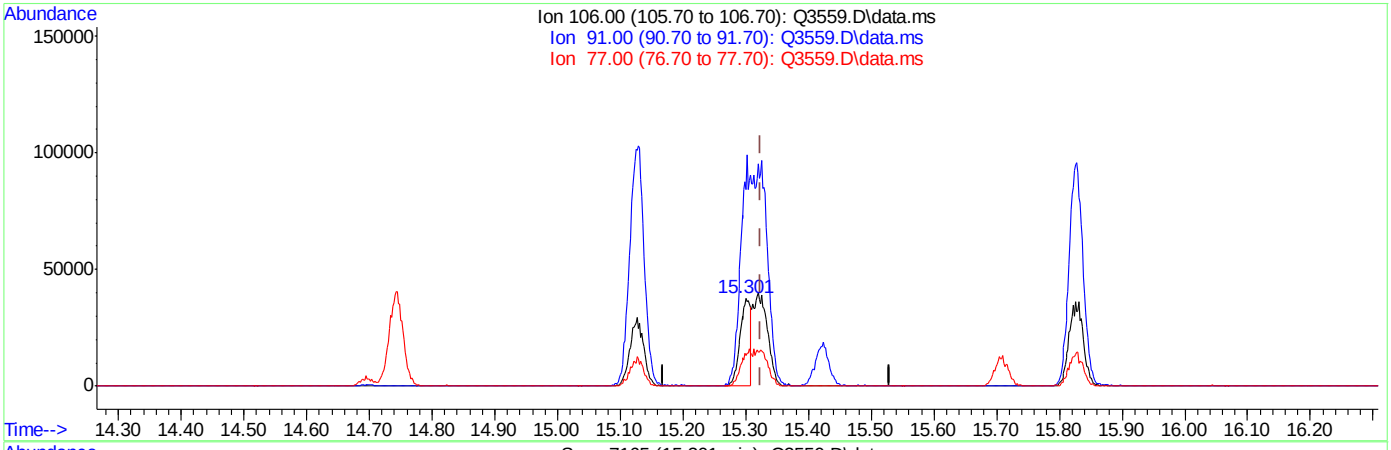
Scan 7749 (16.338 min): Q3559.D\data.ms
IC193-5 (M017)

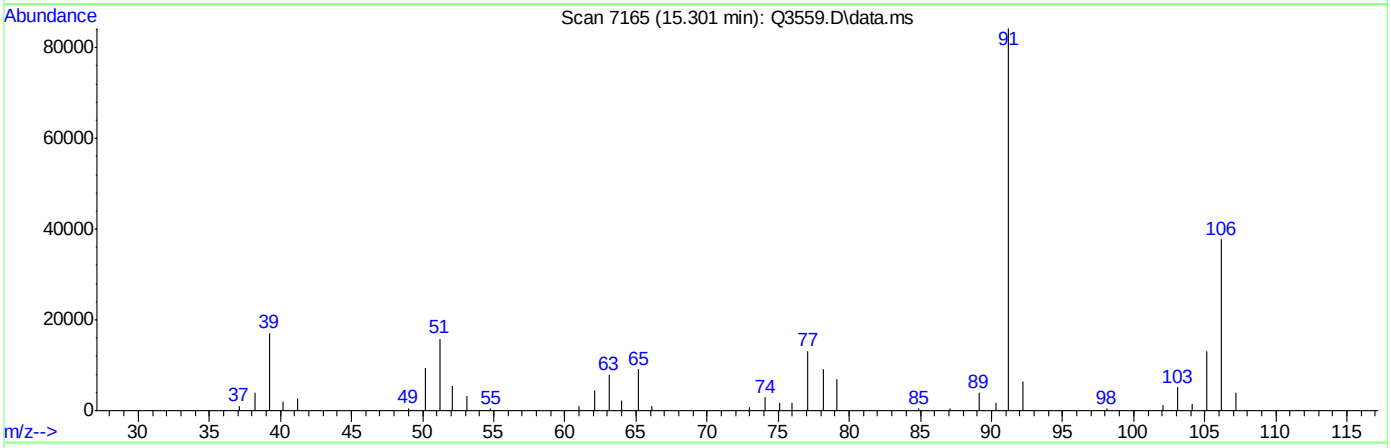
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
143.00	1611						
174.00	49120						
175.00	3371						
176.00	47272						
177.10	2966						

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3559.D
Acq On : 30 May 2007 11:43 am
Operator : PhilipB
Sample : IC193-5 (M017)
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 30 12:30:41 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 11:28:58 2007
Response via : Initial Calibration





TIC: Q3559.D\data.ms

(56) m,p-XYLENE (m)

15.301min (-0.023) 4.72PPBV

response 44331

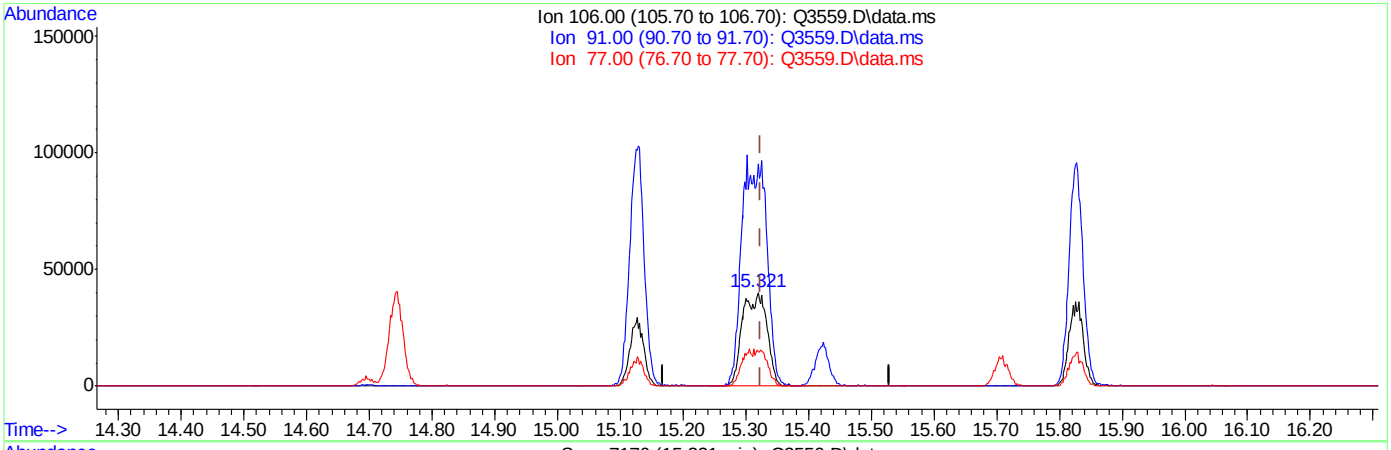
Ion	Exp%	Act%
106.00	100	100
91.00	204.20	223.05
77.00	30.60	34.83
0.00	0.00	0.00

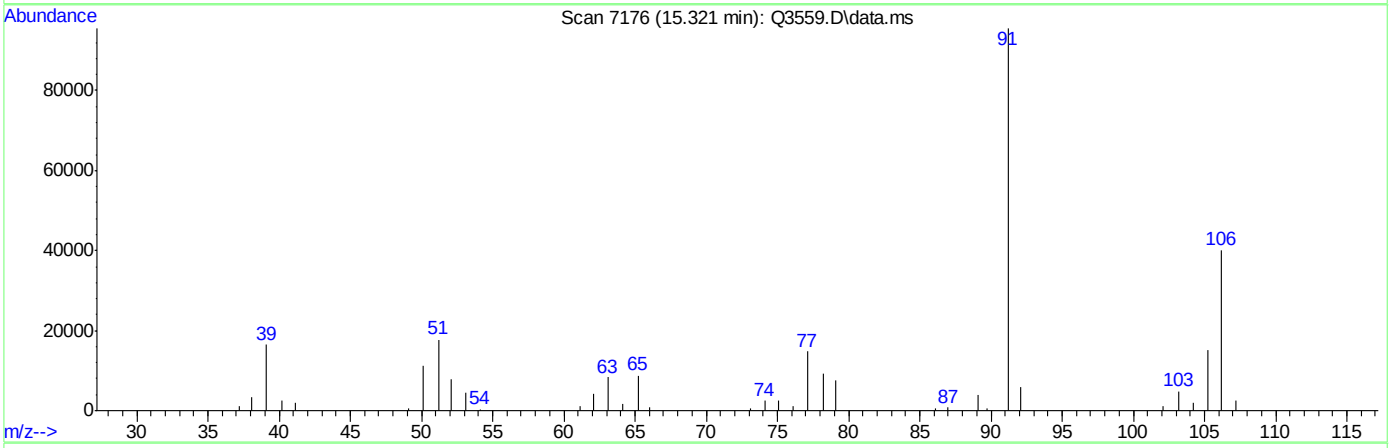
ACCUTEST Laboratories
M65404

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3559.D
Acq On : 30 May 2007 11:43 am
Operator : PhilipB
Sample : IC193-5 (M017)
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 30 12:30:41 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 11:28:58 2007
Response via : Initial Calibration





TIC: Q3559.D\data.ms

(56) m,p-XYLENE (m)

15.321min (-0.003) 11.65PPBV m

response 109447

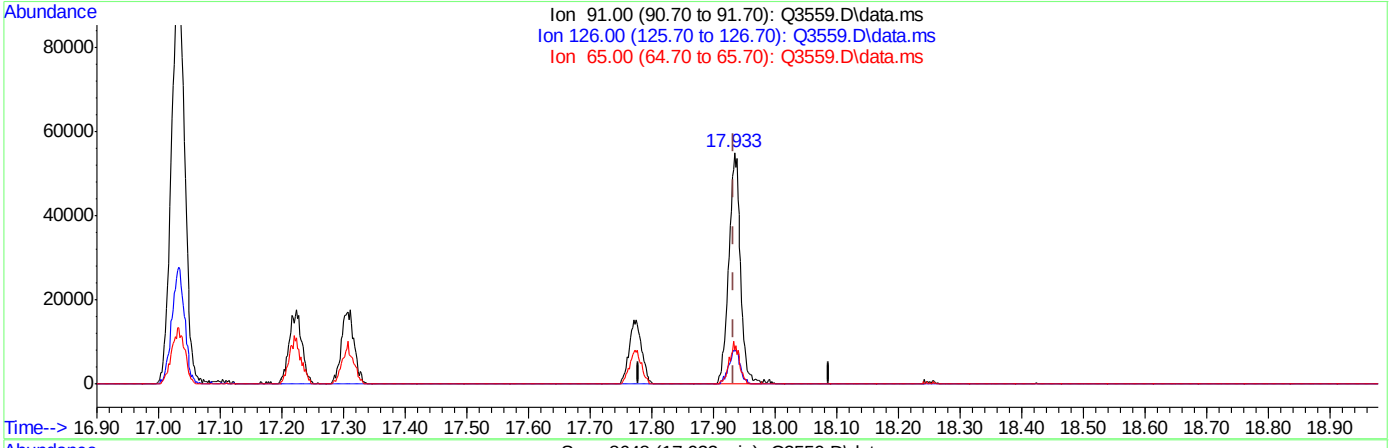
Ion	Exp%	Act%
106.00	100	100
91.00	204.20	237.99
77.00	30.60	36.72
0.00	0.00	0.00

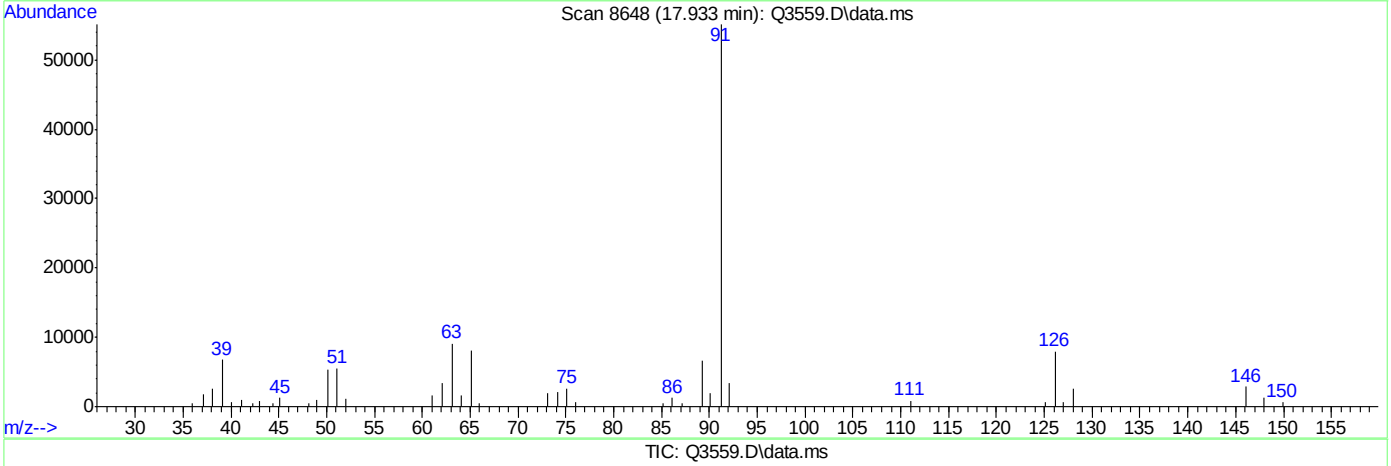
ACCUTEST Laboratories M65404

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3559.D
Acq On : 30 May 2007 11:43 am
Operator : PhilipB
Sample : IC193-5 (M017)
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 30 12:31:09 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 11:28:58 2007
Response via : Initial Calibration





(69) BENZYL CHLORIDE (m)

17.933min (+0.000) 9.80PPBV

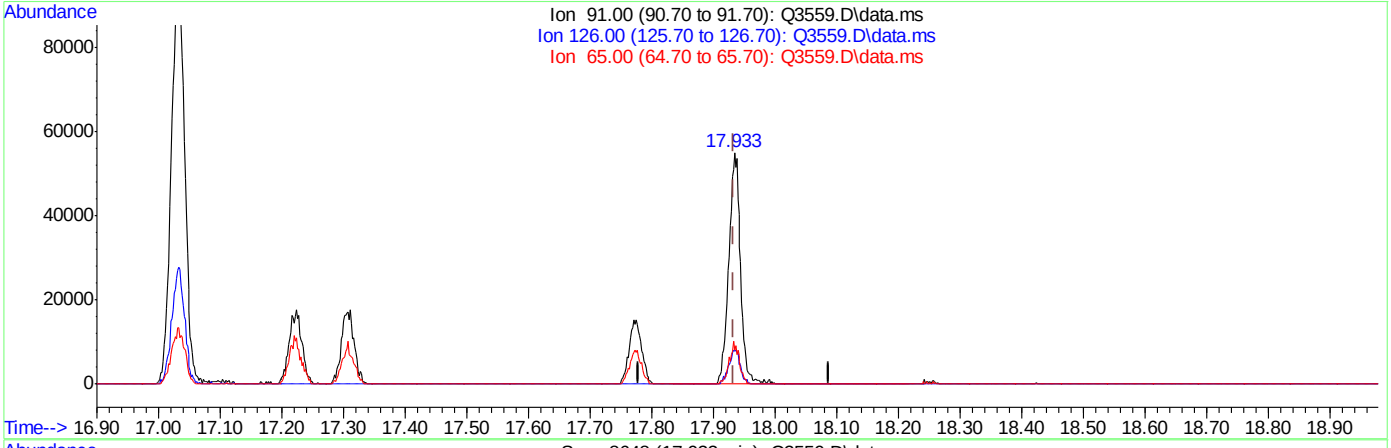
response 73746

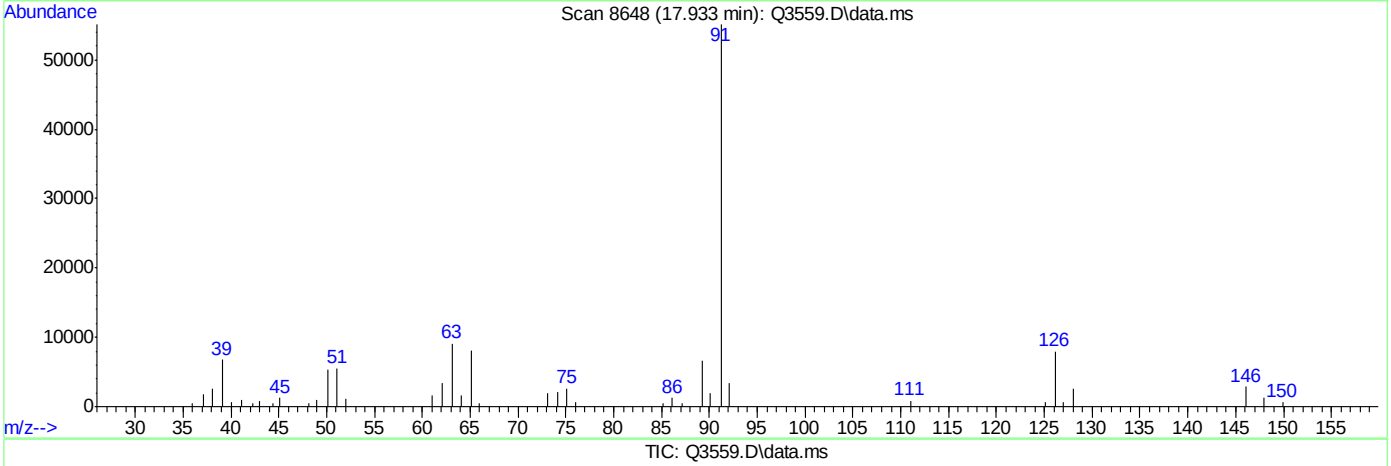
Ion	Exp%	Act%
91.00	100	100
126.00	20.90	14.63
65.00	12.30	15.78
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3559.D
Acq On : 30 May 2007 11:43 am
Operator : PhilipB
Sample : IC193-5 (M017)
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 30 12:31:09 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 11:28:58 2007
Response via : Initial Calibration





(69) BENZYL CHLORIDE (m)

17.933min (+0.000) 9.89PPBV m

response 74411

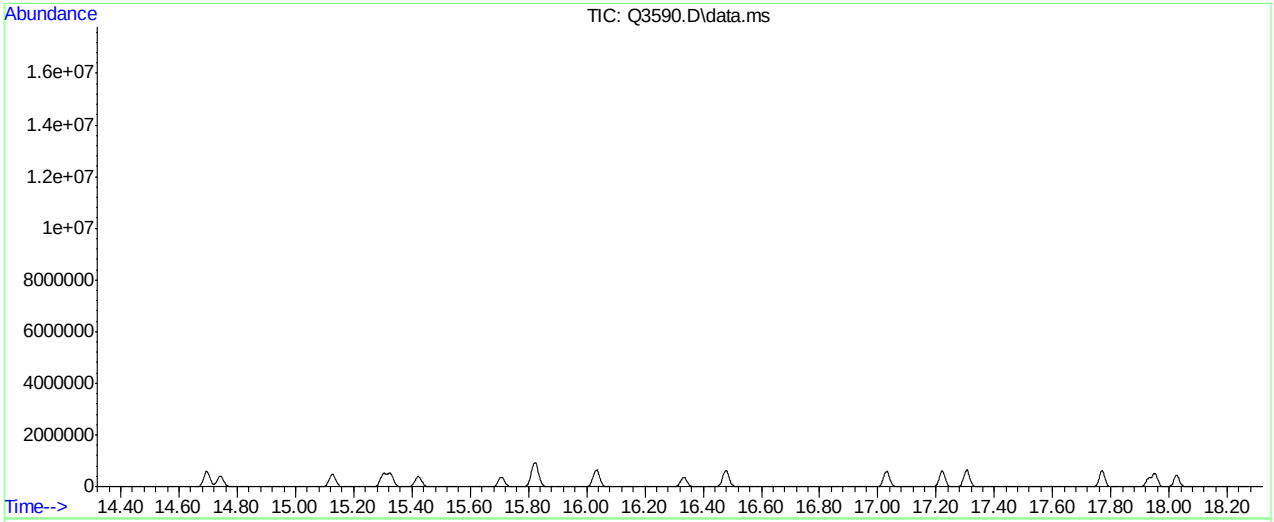
Ion	Exp%	Act%
91.00	100	100
126.00	20.90	14.50
65.00	12.30	15.64
0.00	0.00	0.00

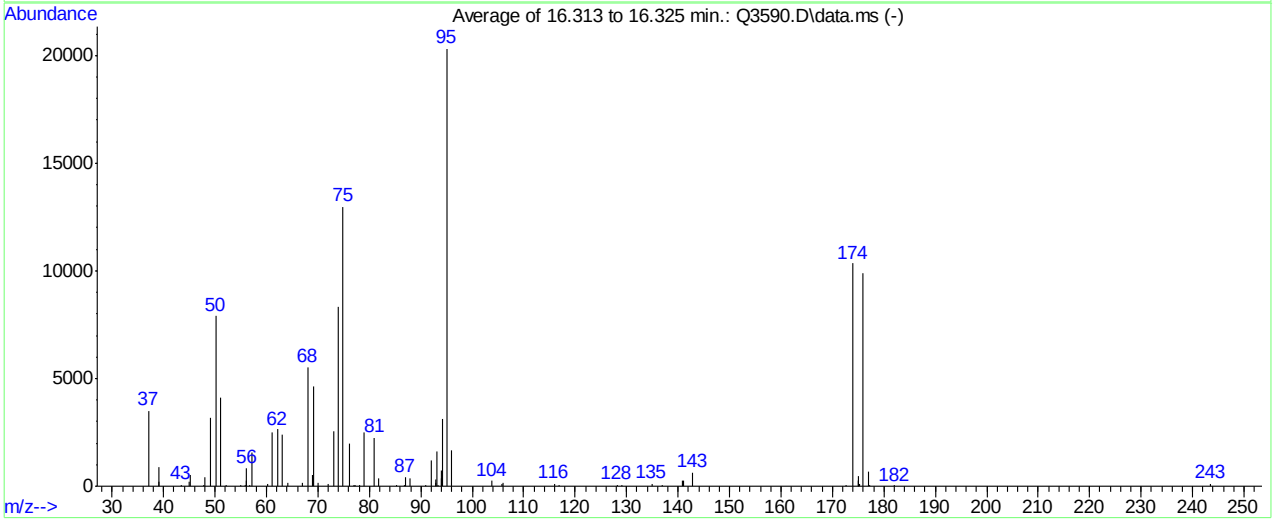
BFB

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

Vial: 3
Operator: PhilipB
Inst : MAMSQ
Multiplr: 1.00

Method : C:\msdchem\1\METHODS\Q053007T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um





Spectrum Information: Average of 16.313 to 16.325 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	38.9	7903	PASS
75	95	30	66	63.9	12982	PASS
95	95	100	100	100.0	20323	PASS
96	95	5	9	8.3	1688	PASS
173	174	0.00	2	0.6	63	PASS
174	95	50	120	50.9	10337	PASS
175	174	4	9	4.4	453	PASS
176	174	93	101	95.6	9885	PASS
177	176	5	9	6.7	661	PASS

Q3590.D Q053007T.m Fri Jun 01 16:37:19 2007 RPT1

Average of 16.313 to 16.325 min.: Q3590.D\data.ms
CC193-10 (M021)
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
37.10	3490	52.20	51	64.20	154	76.90	54
39.00	209	55.00	61	67.00	153	77.20	51
39.15	876	55.90	56	68.05	5541	78.10	58
43.40	58	56.00	262	68.95	505	79.00	2509
45.00	222	56.15	859	69.15	4608	80.95	2243
45.15	537	56.70	73	69.95	163	81.85	344
47.80	58	57.10	1542	72.00	84	85.30	50
48.10	432	60.20	110	73.05	2533	86.80	50
49.15	3199	61.10	2504	74.05	8347	86.95	418
50.10	7903	62.10	2648	74.90	12982	87.95	383
51.10	4137	63.10	2385	76.15	1971	91.00	50

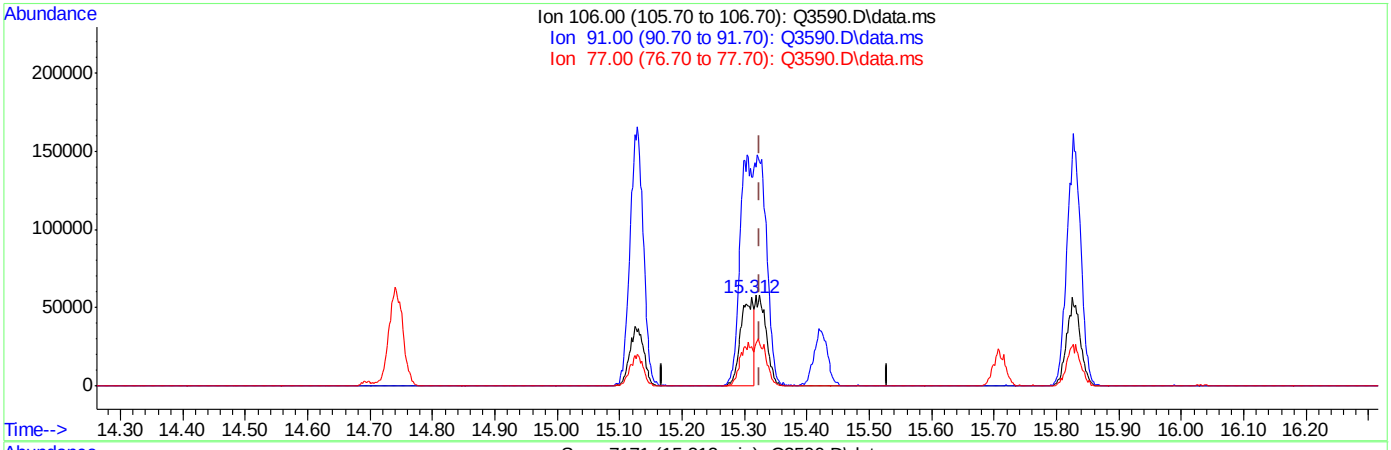
Average of 16.313 to 16.325 min.: Q3590.D\data.ms
CC193-10 (M021)
Modified:subtracted

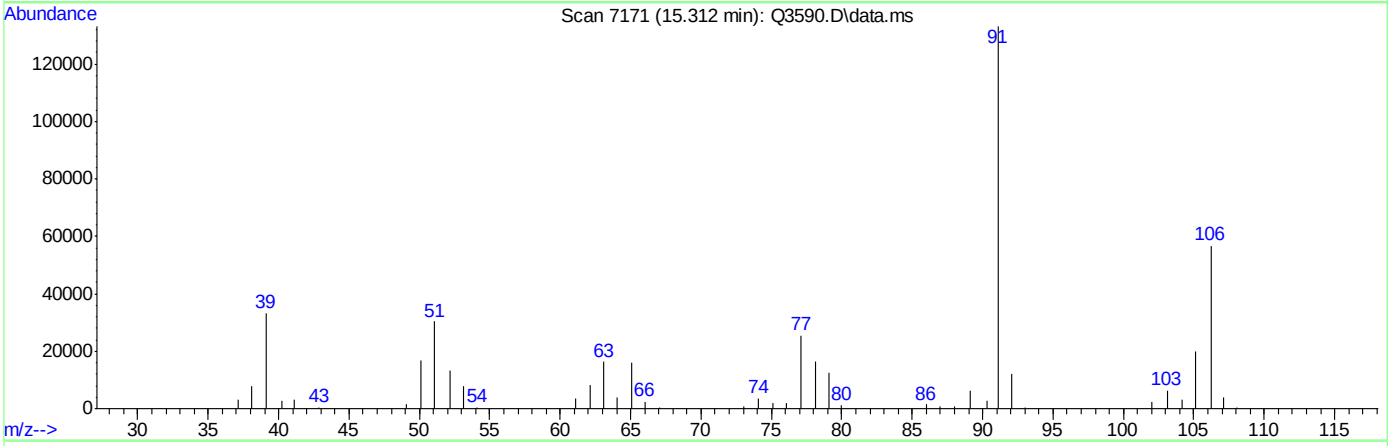
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
92.05	1218	105.70	116	172.70	63		
92.80	144	106.05	163	174.05	10337		
92.90	293	116.00	115	174.95	280		
93.05	1590	116.90	55	175.00	240		
93.30	61	128.10	53	175.10	453		
93.90	386	129.10	74	175.30	87		
94.00	755	134.85	131	176.00	9885		
94.15	3105	137.00	78	176.95	661		
95.05	20323	140.80	251	177.20	55		
96.00	1688	141.00	251	182.10	50		
103.90	250	142.90	643	243.50	121		

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3590.D
Acq On : 1 Jun 2007 3:56 pm
Operator : PhilipB
Sample : CC193-10 (M021)
Misc : MS13676, MSQ195,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 01 16:29:03 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Jun 01 16:17:24 2007
Response via : Initial Calibration





TIC: Q3590.D\data.ms

(56) m,p-XYLENE (m)

15.312min (-0.012) 10.72PPBV

response 81777

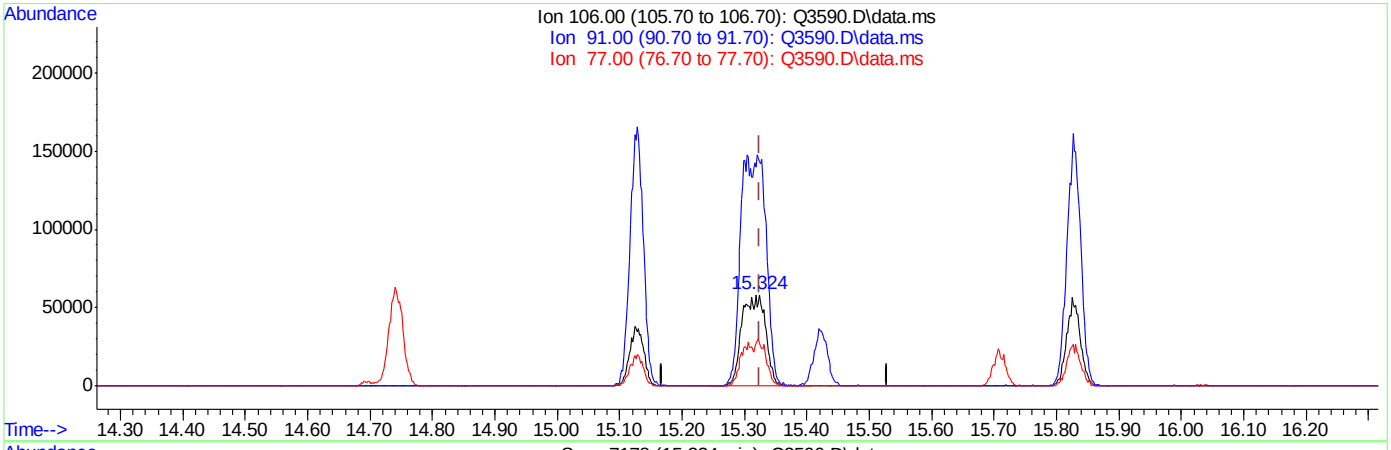
Ion	Exp%	Act%
106.00	100	100
91.00	204.20	235.06
77.00	30.60	44.89#
0.00	0.00	0.00

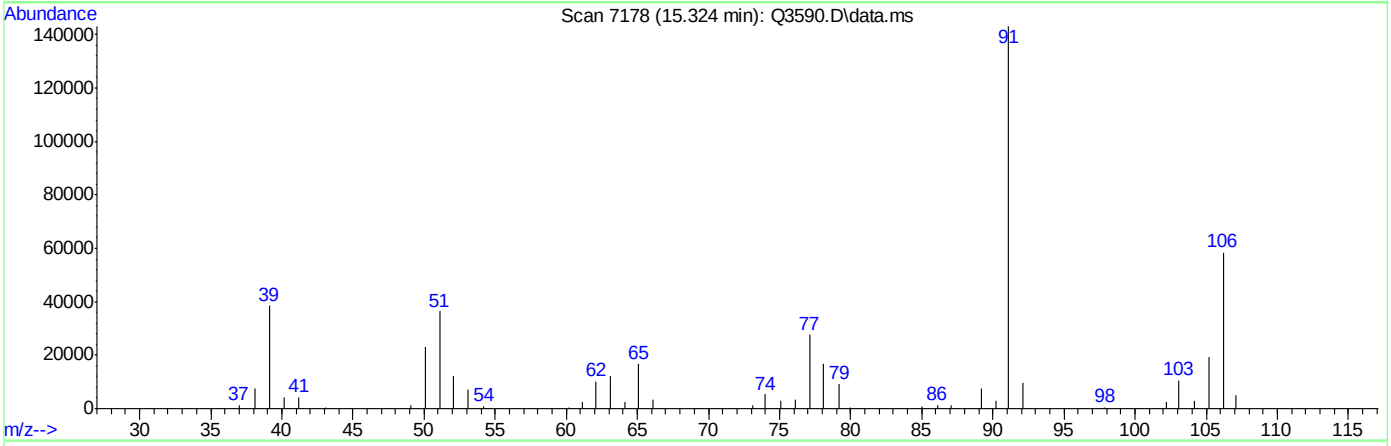
ACCUTEST Laboratories M65404

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3590.D
Acq On : 1 Jun 2007 3:56 pm
Operator : PhilipB
Sample : CC193-10 (M021)
Misc : MS13676, MSQ195,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 01 16:29:03 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Jun 01 16:17:24 2007
Response via : Initial Calibration





TIC: Q3590.D\data.ms

(56) m,p-XYLENE (m)

15.324min (+0.000) 20.06PPBV m

response 152962

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

ACCUTEST Laboratories M65404

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

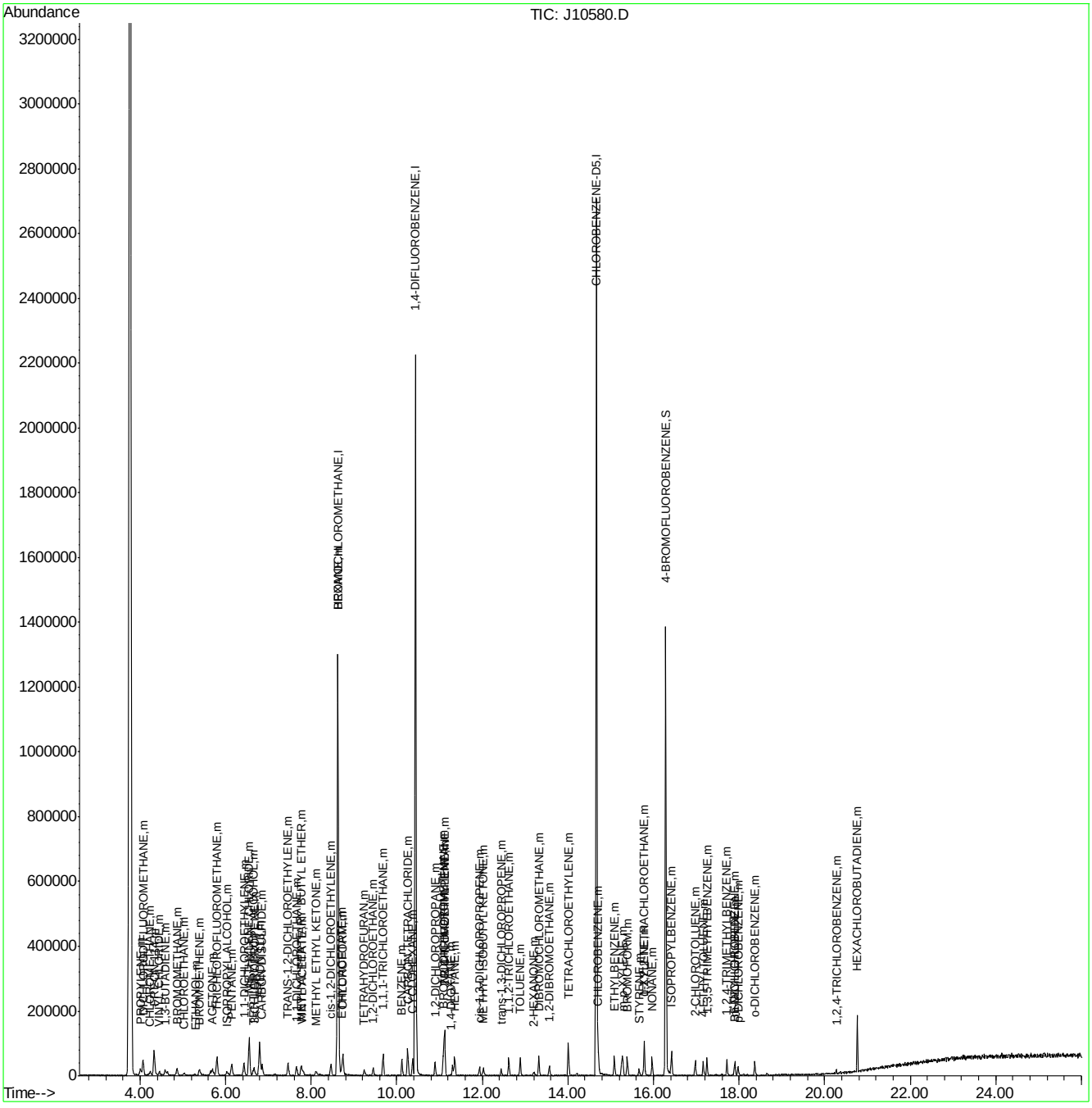
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.02	43	18426	0.42	PPBV	92
45) cis-1,3-DICHLOROPROPENE	11.93	75	13208	0.31	PPBV	95
46) TOLUENE	12.89	92	22951	0.38	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.44	75	10082	0.31	PPBV	97
48) 1,1,2-TRICHLOROETHANE	12.62	83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



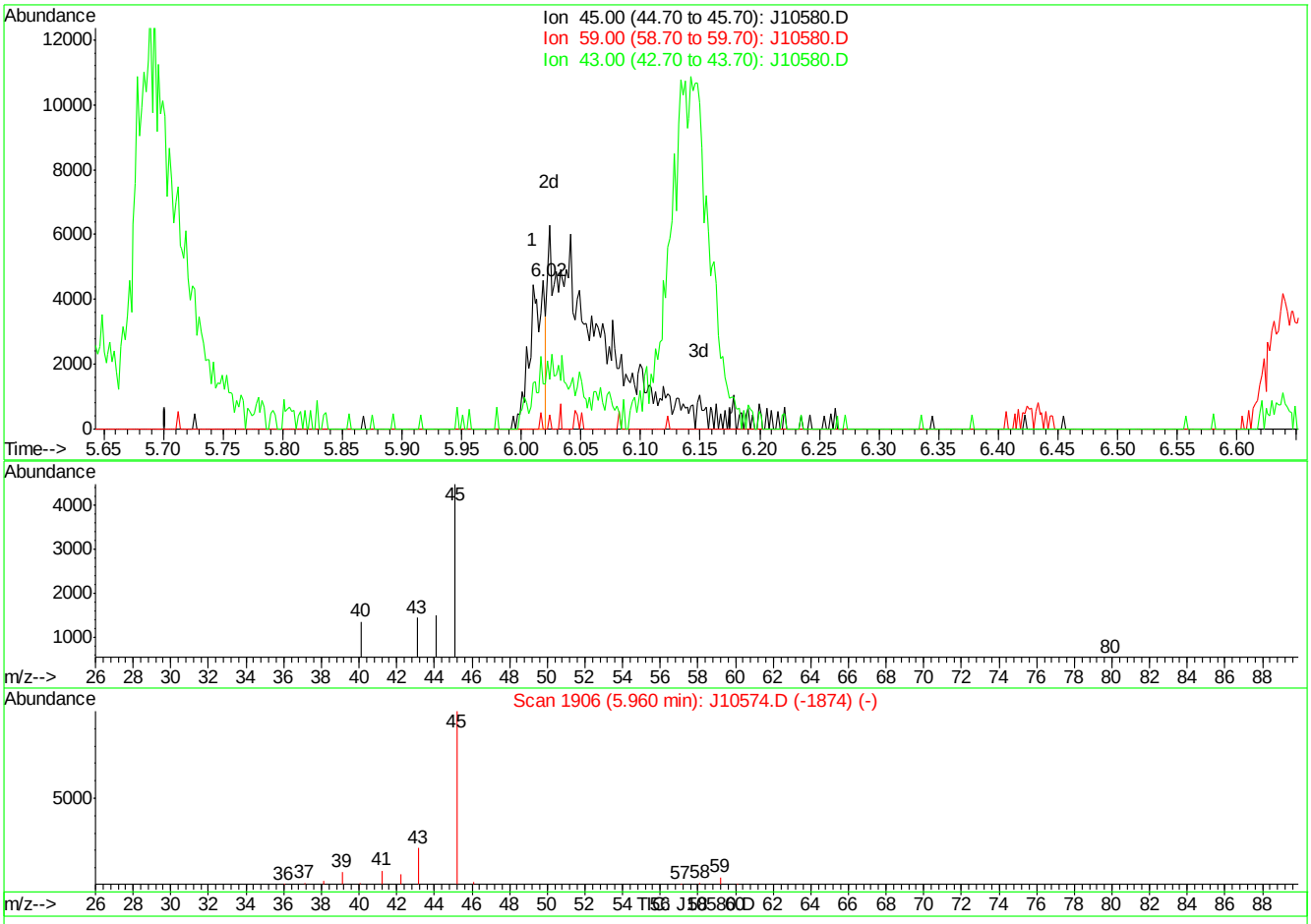
J060707T.M Thu Jun 07 10:13:26 2007 Page: 3

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

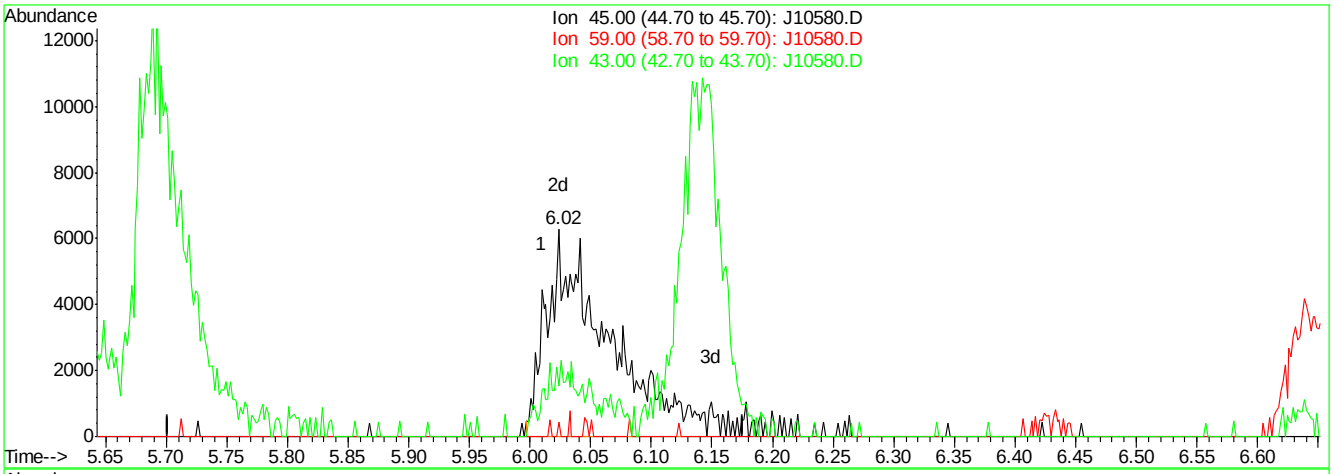
J10580.D J060707T.M Thu Jun 07 10:11:50 2007

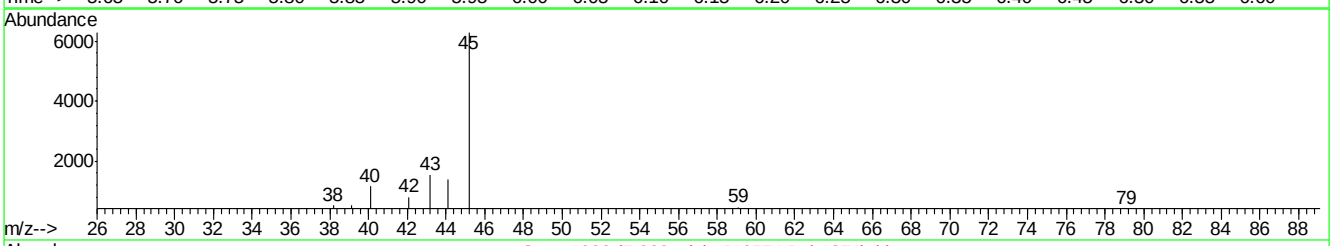
Quantitation Report (Qedit)

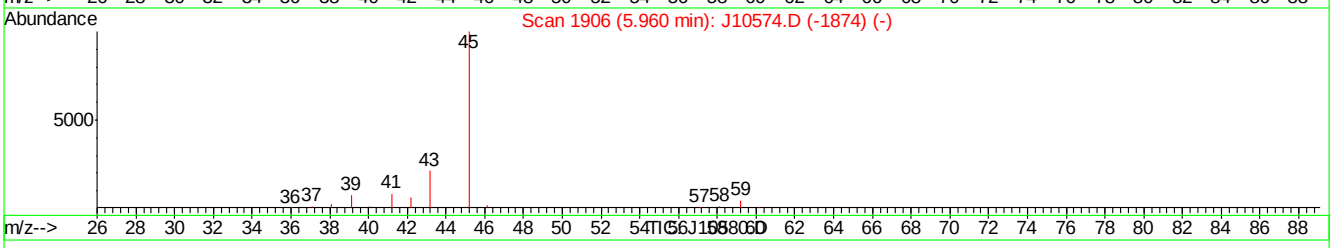
Data File : C:\MSDChem\1\data\J10580.D Vial: 1
Acq On : 7 Jun 2007 9:39 am Operator: danat
Sample : ic548-0.5 (m122) Inst : MSJ
Misc : MS13684, MSJ548,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

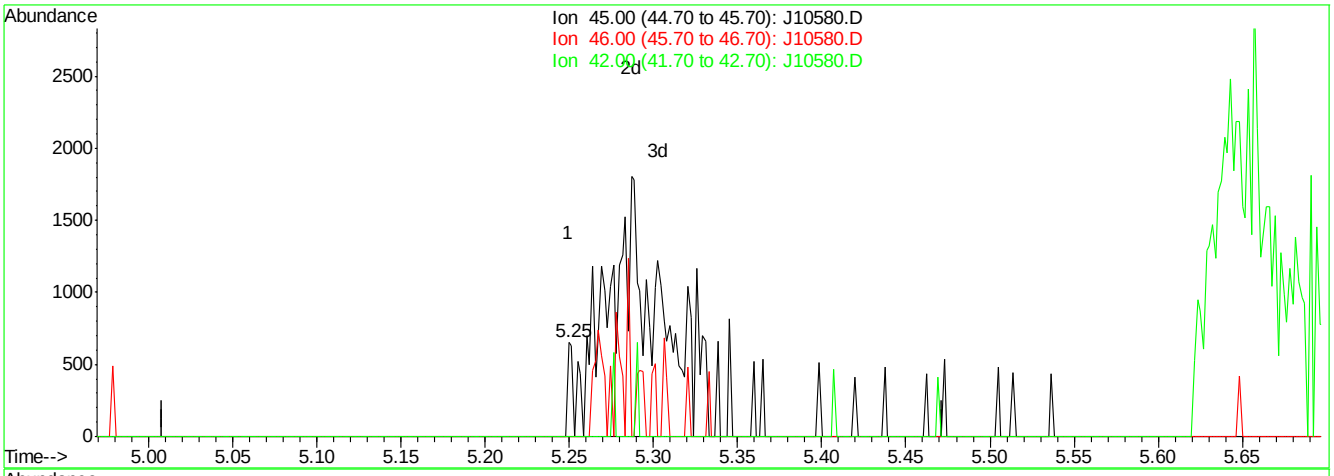
J10580.D J060707T.M Thu Jun 07 10:11:59 2007

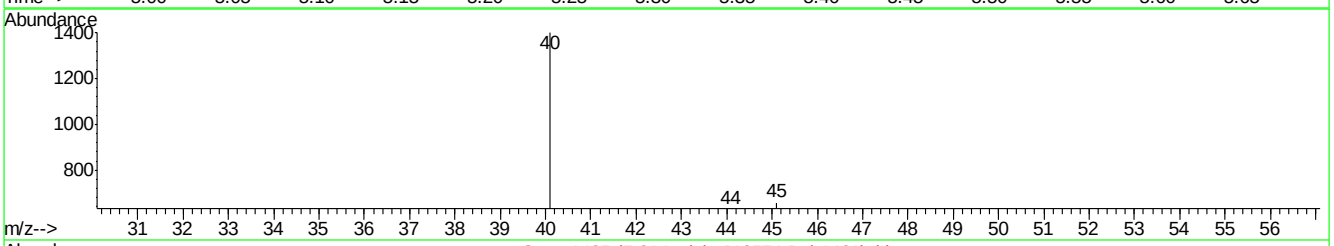
Quantitation Report (Qedit)

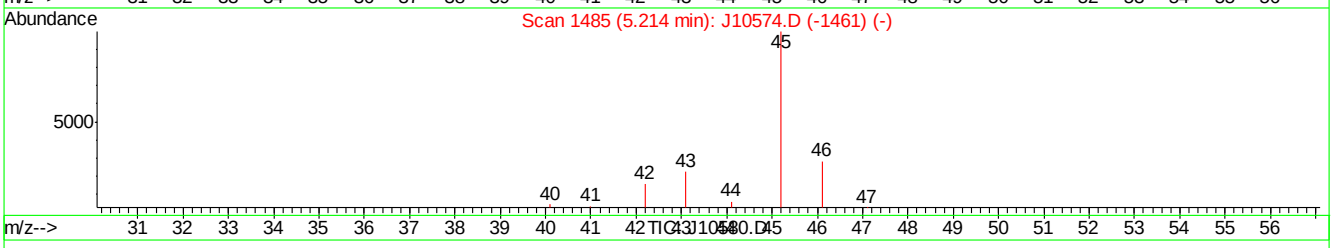
Data File : C:\MSDChem\1\data\J10580.D Vial: 1
Acq On : 7 Jun 2007 9:39 am Operator: danat
Sample : ic548-0.5 (m122) Inst : MSJ
Misc : MS13684, MSJ548,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

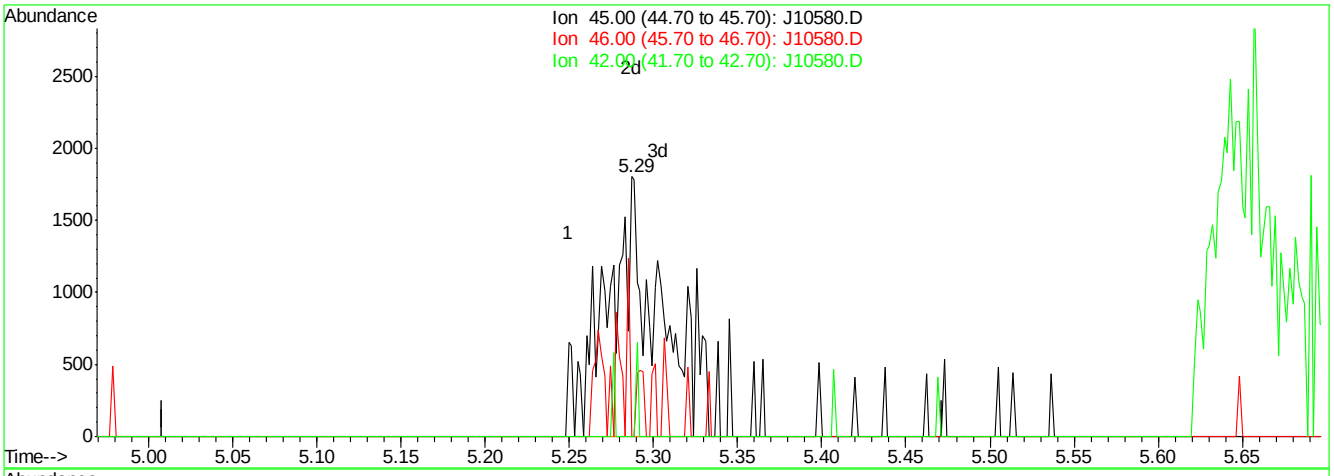
J10580.D J060707T.M Thu Jun 07 10:12:08 2007

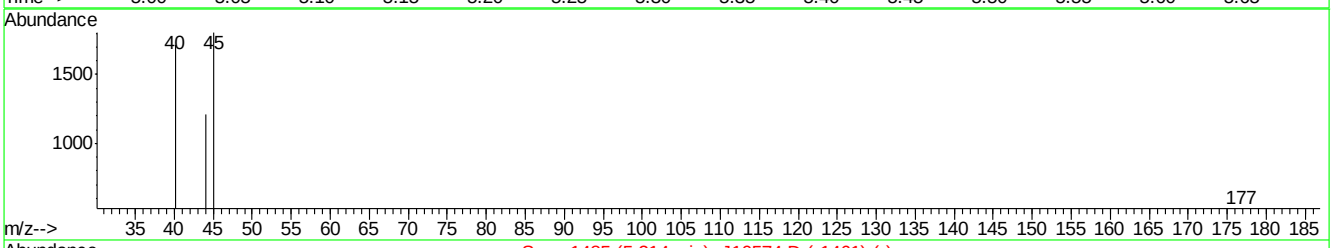
Quantitation Report (Qedit)

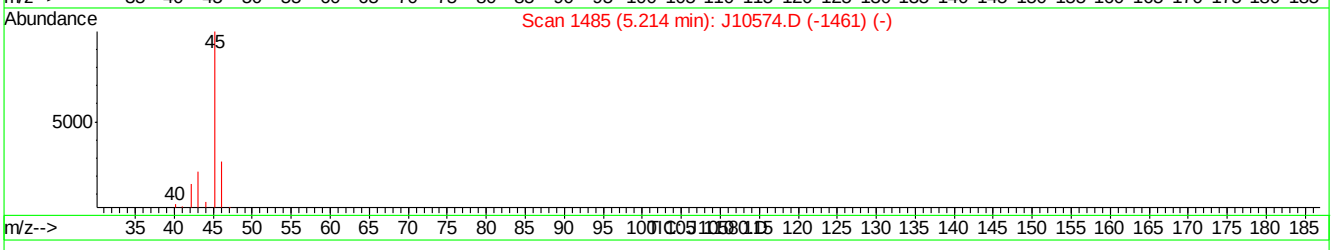
Data File : C:\MSDChem\1\data\J10580.D Vial: 1
Acq On : 7 Jun 2007 9:39 am Operator: danat
Sample : ic548-0.5 (m122) Inst : MSJ
Misc : MS13684, MSJ548,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

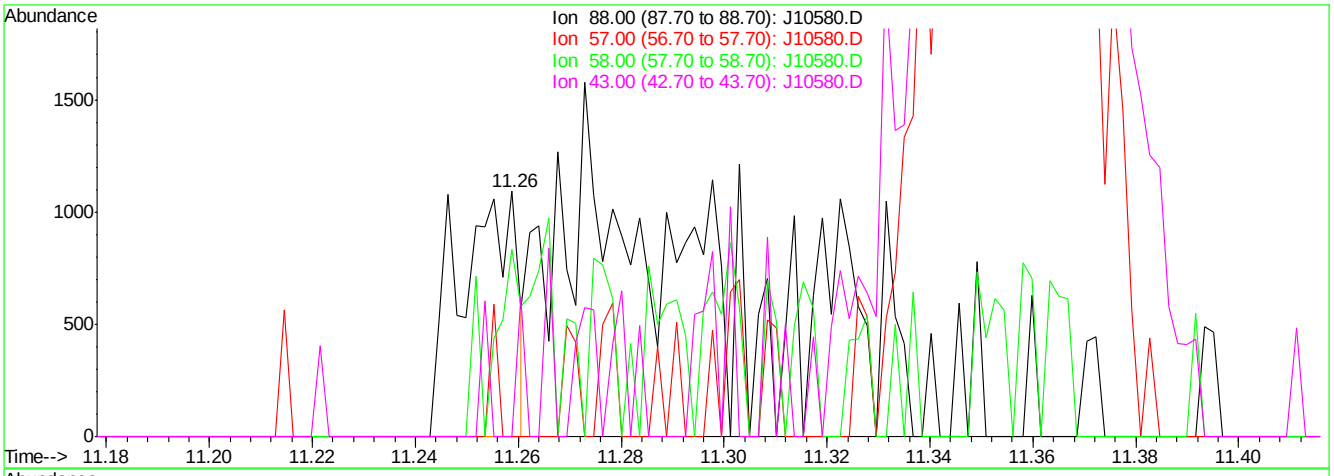
J10580.D J060707T.M Thu Jun 07 10:12:17 2007

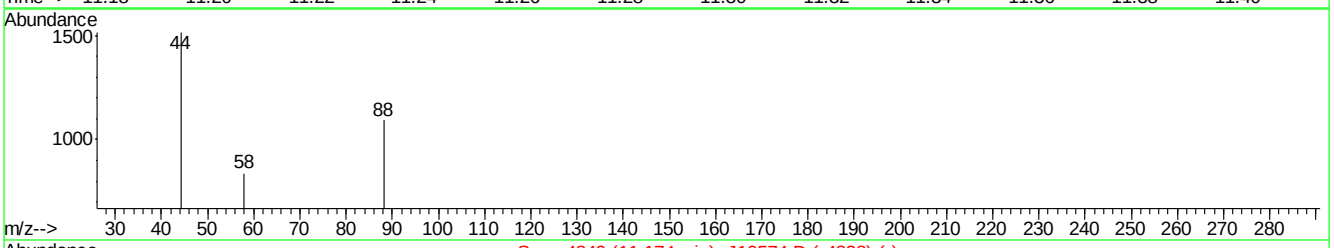
Quantitation Report (Qedit)

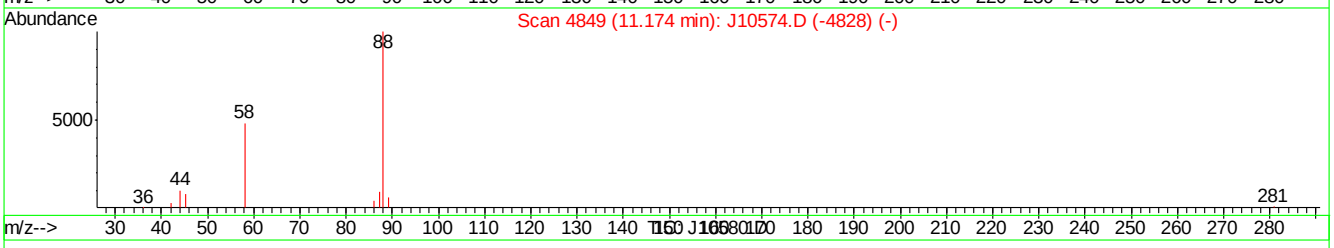
Data File : C:\MSDChem\1\data\J10580.D Vial: 1
Acq On : 7 Jun 2007 9:39 am Operator: danat
Sample : ic548-0.5 (m122) Inst : MSJ
Misc : MS13684, MSJ548,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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#

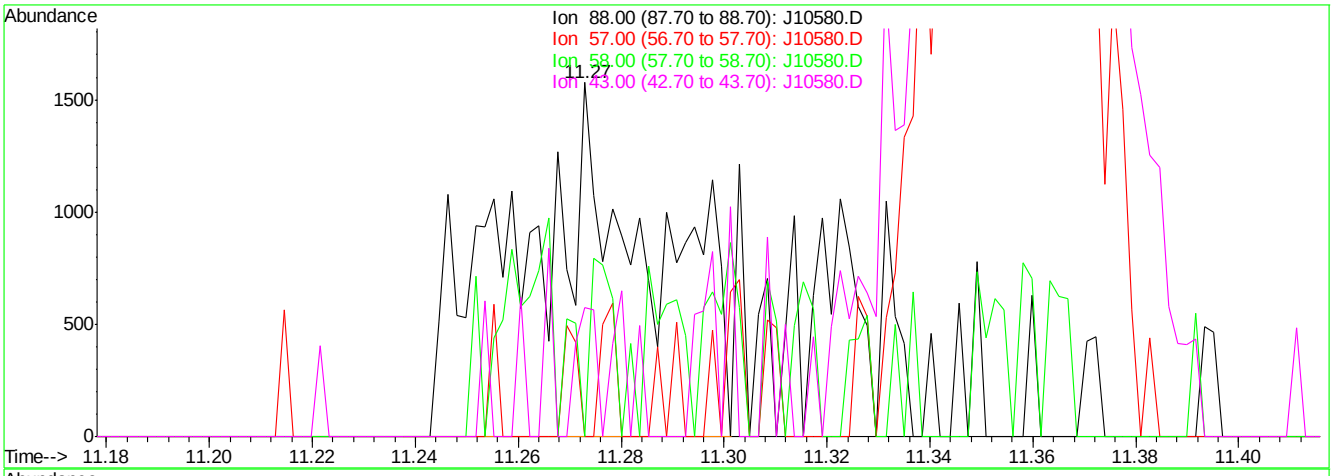
J10580.D J060707T.M Thu Jun 07 10:12:45 2007

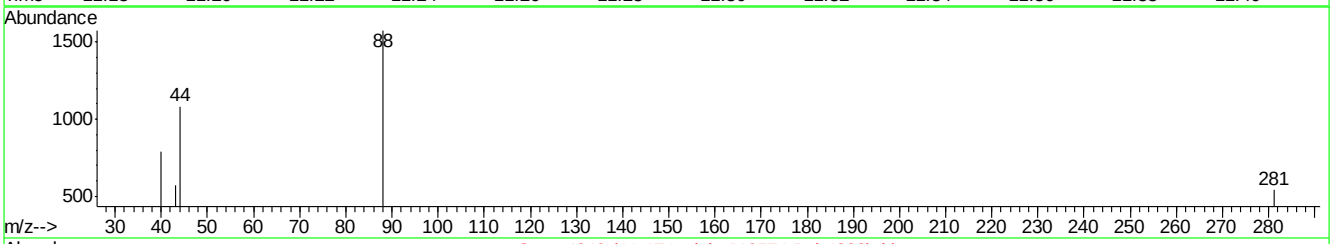
Quantitation Report (Qedit)

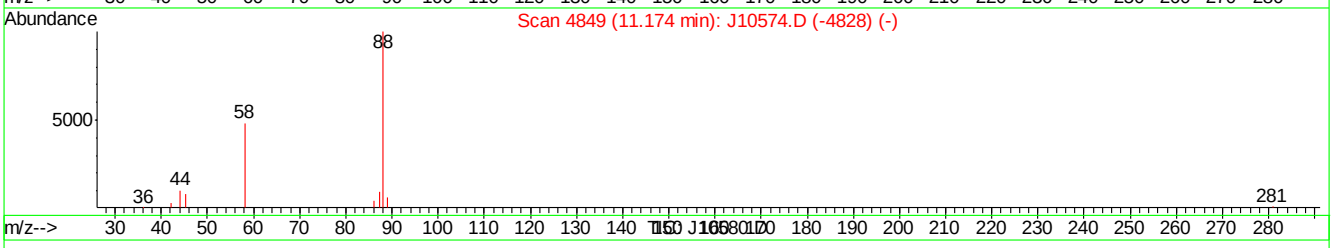
Data File : C:\MSDChem\1\data\J10580.D Vial: 1
Acq On : 7 Jun 2007 9:39 am Operator: danat
Sample : ic548-0.5 (m122) Inst : MSJ
Misc : MS13684, MSJ548,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

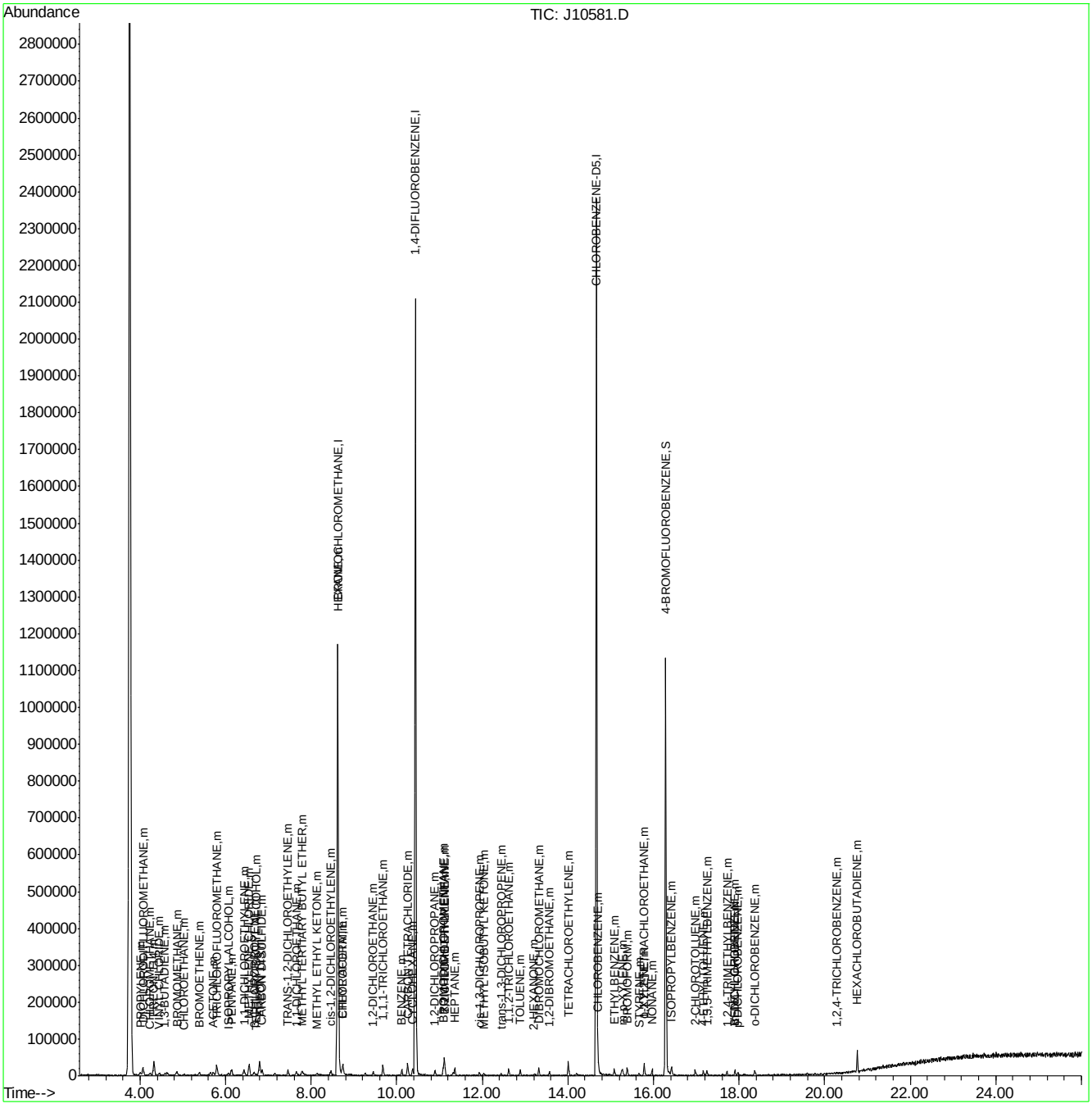
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
48) 1,1,2-TRICHLOROETHANE	12.62	83	4933	0.21	PPBV		94
50) 2-HEXANONE	13.21	43	2044	0.11	PPBV	#	61
51) TETRACHLOROETHYLENE	14.01	164	8498	0.20	PPBV		92
52) DIBROMOCHLOROMETHANE	13.32	129	11152	0.20	PPBV		98
53) 1,2-DIBROMOETHANE	13.57	107	6718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



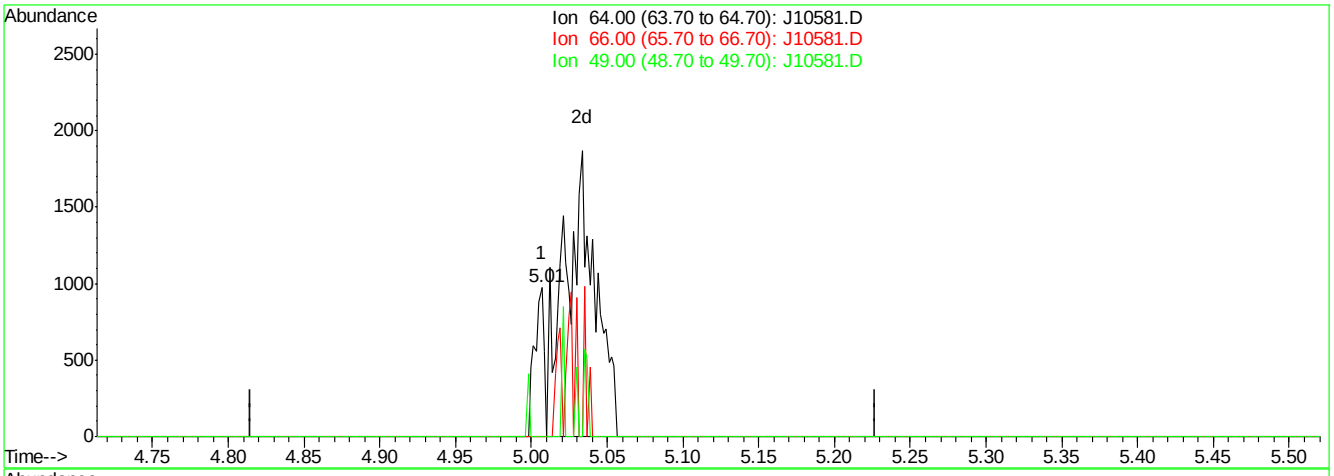
J060707T.M Mon Jun 18 11:48:15 2007 Page: 3

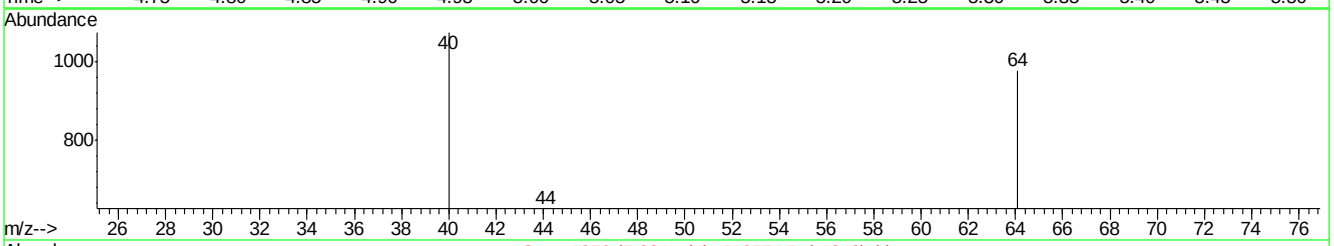
Quantitation Report (Qedit)

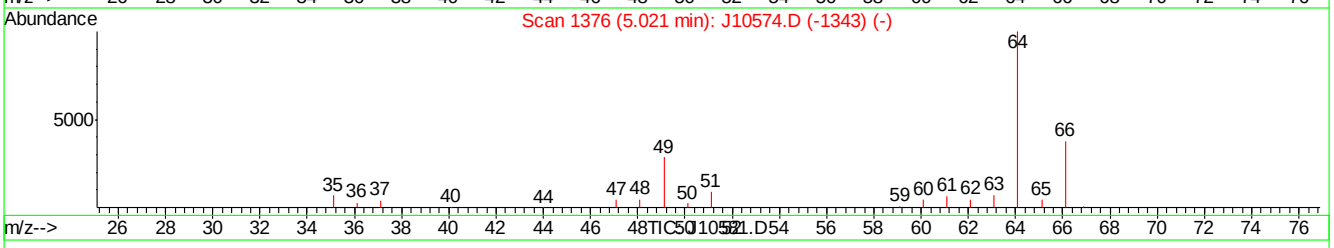
Data File : C:\MSDChem\1\data\J10581.D Vial: 1
Acq On : 7 Jun 2007 10:30 am Operator: danat
Sample : ic548-0.2 (m122) Inst : MSJ
Misc : MS13684, MSJ548,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

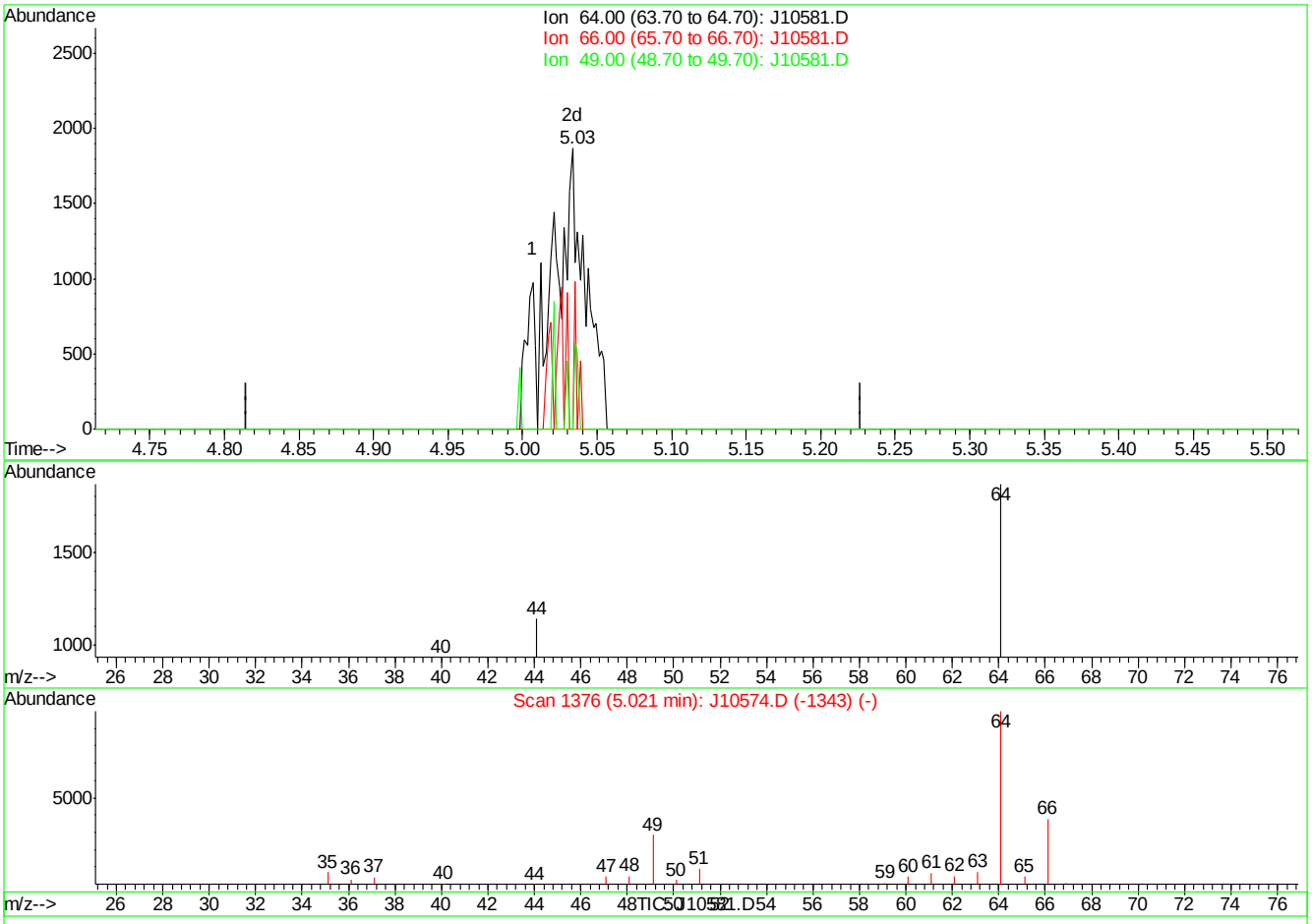
J10581.D J060707T.M Thu Jun 07 11:07:10 2007

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

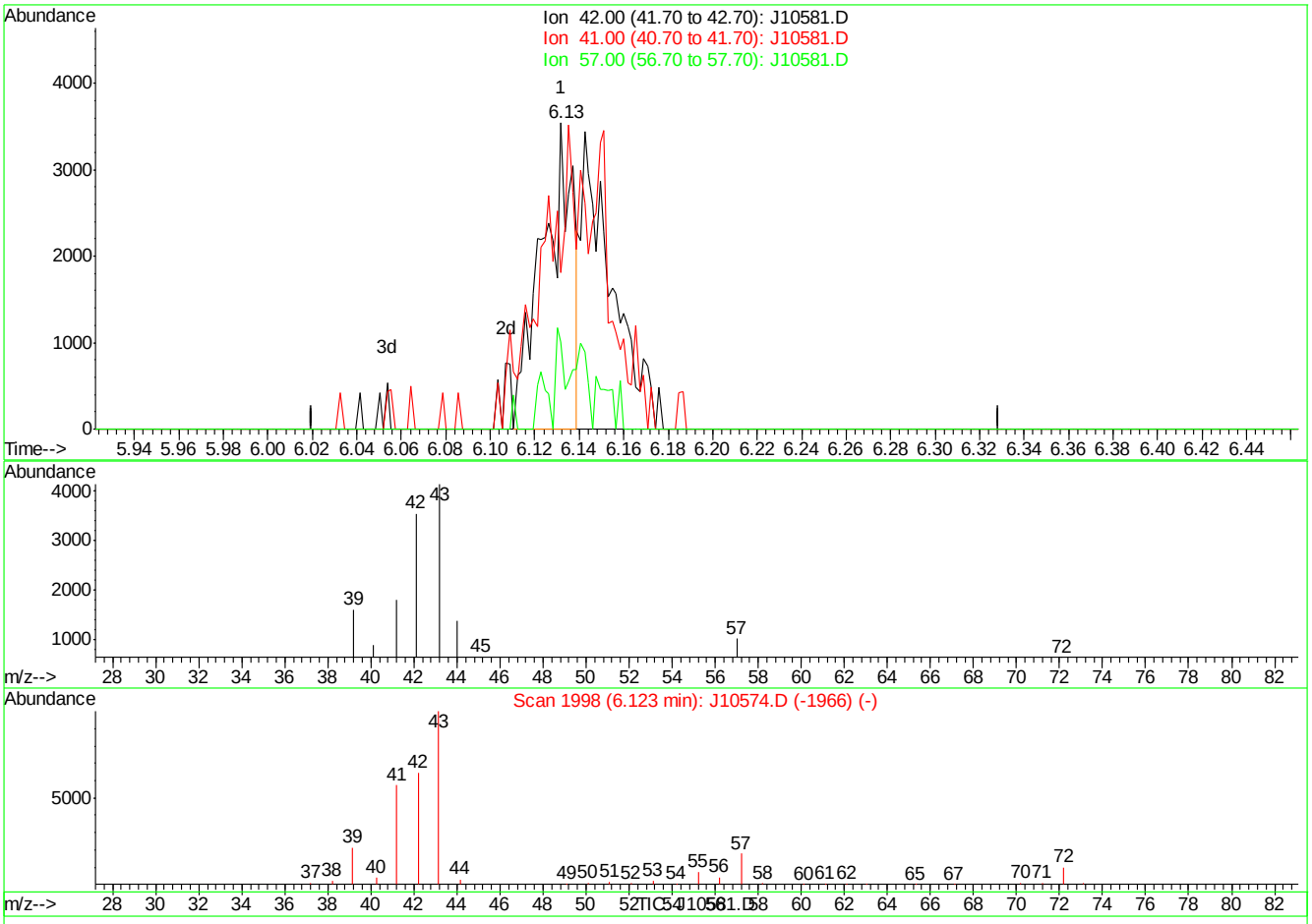
J10581.D J060707T.M Thu Jun 07 11:07:15 2007

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

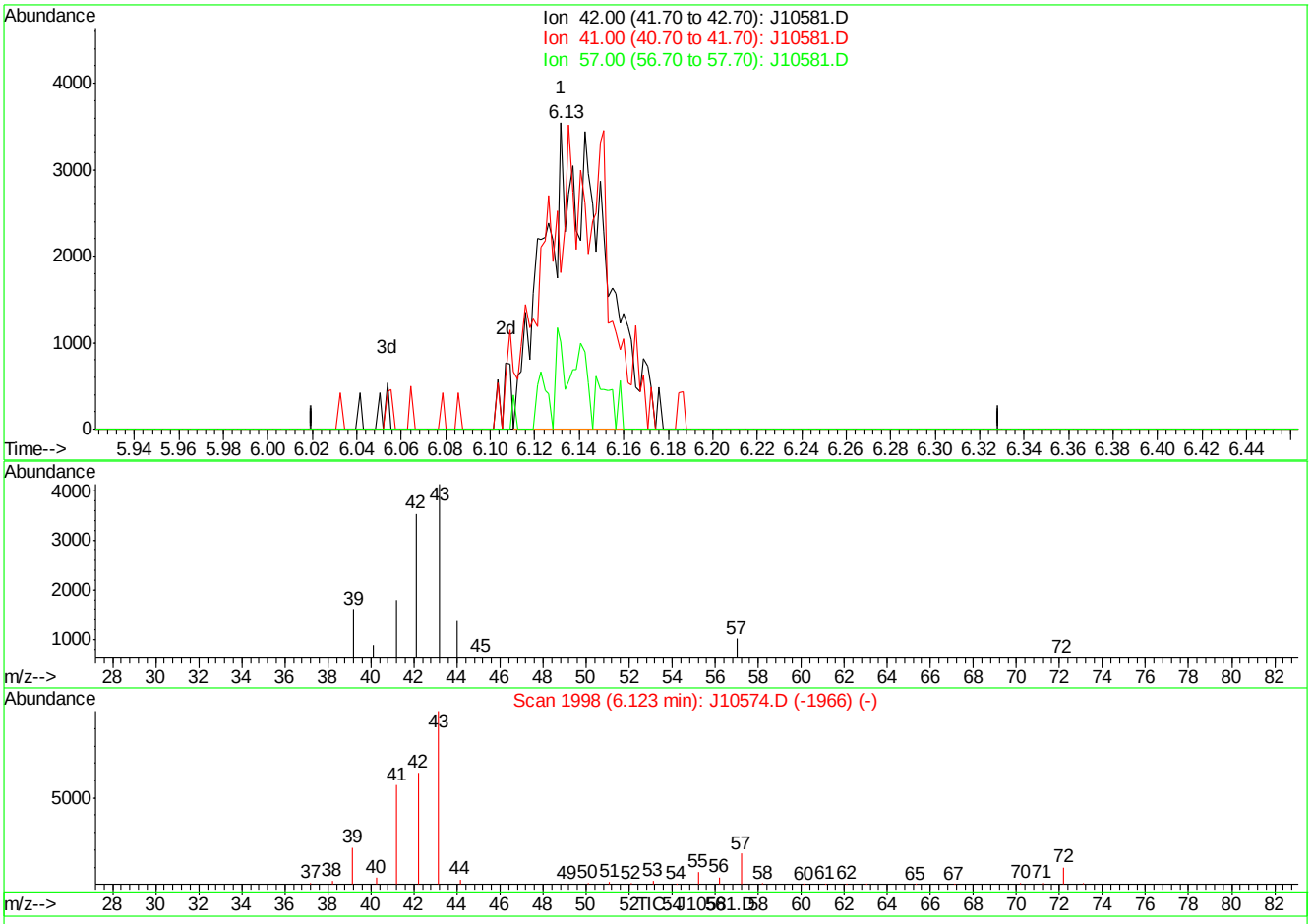
J10581.D J060707T.M Thu Jun 07 11:07:28 2007

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

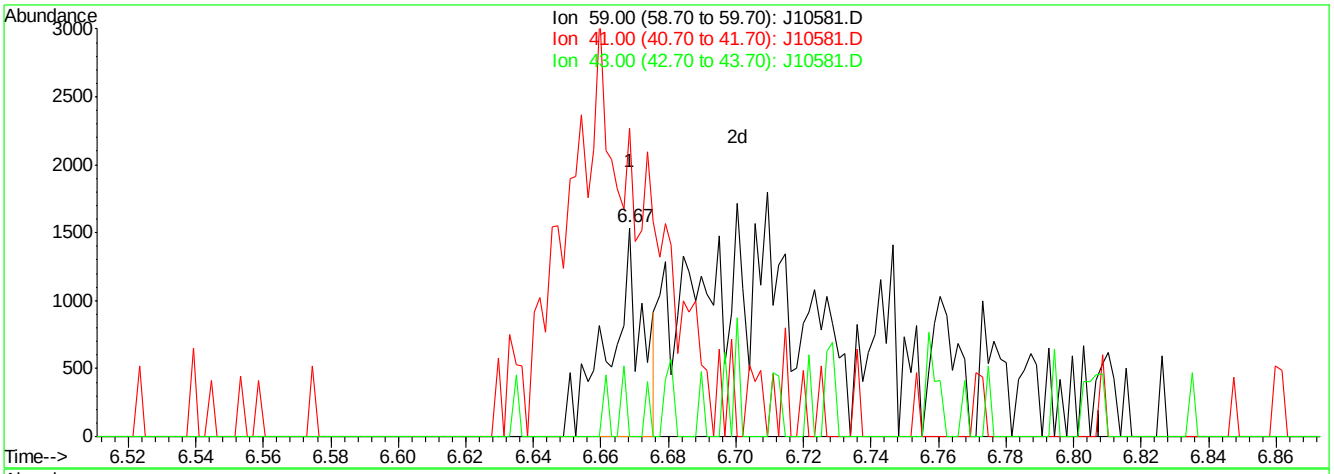
J10581.D J060707T.M Thu Jun 07 11:07:33 2007

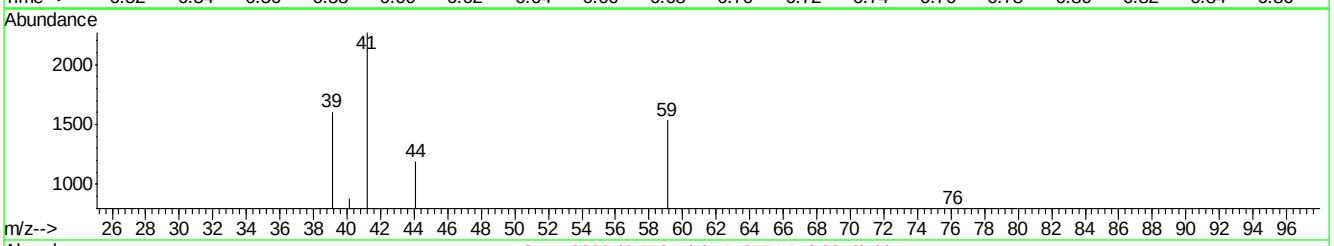
Quantitation Report (Qedit)

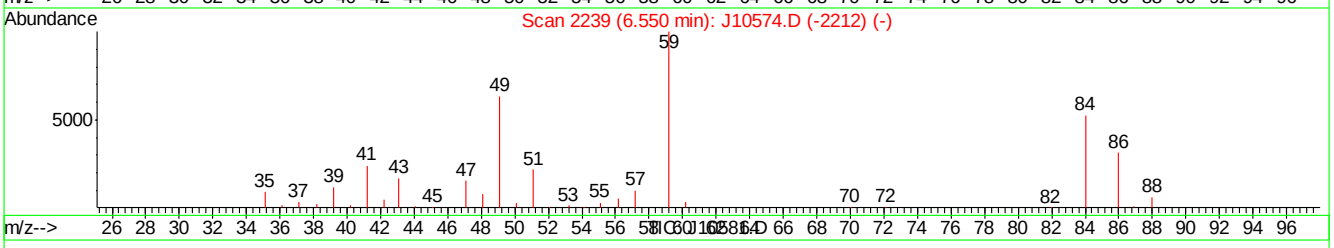
Data File : C:\MSDChem\1\data\J10581.D Vial: 1
Acq On : 7 Jun 2007 10:30 am Operator: danat
Sample : ic548-0.2 (m122) Inst : MSJ
Misc : MS13684, MSJ548,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

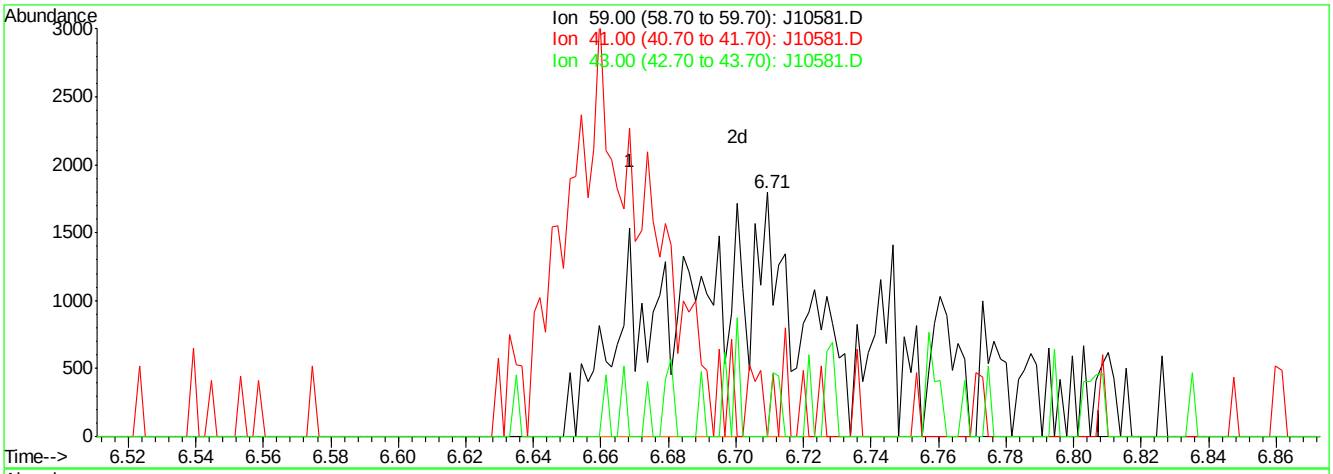
J10581.D J060707T.M Thu Jun 07 11:08:00 2007

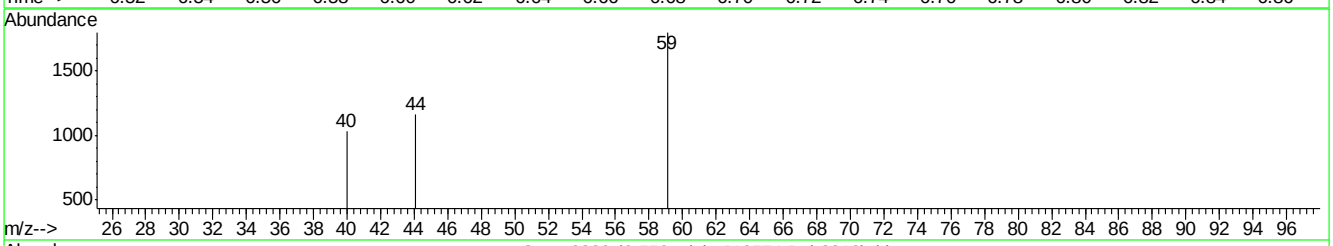
Quantitation Report (Qedit)

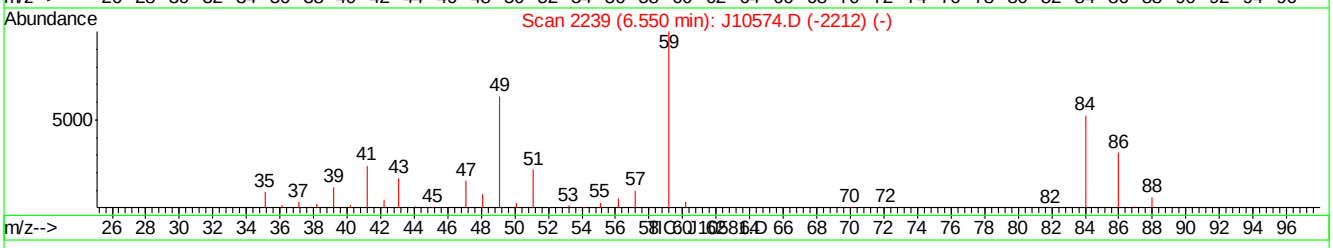
Data File : C:\MSDChem\1\data\J10581.D Vial: 1
Acq On : 7 Jun 2007 10:30 am Operator: danat
Sample : ic548-0.2 (m122) Inst : MSJ
Misc : MS13684, MSJ548,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

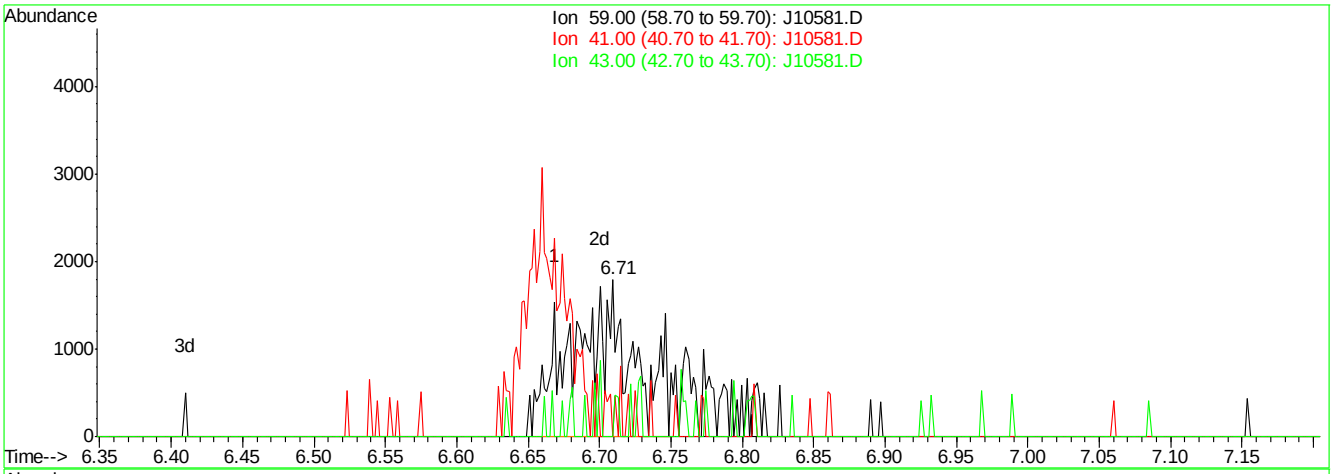
J10581.D J060707T.M Thu Jun 07 11:08:06 2007

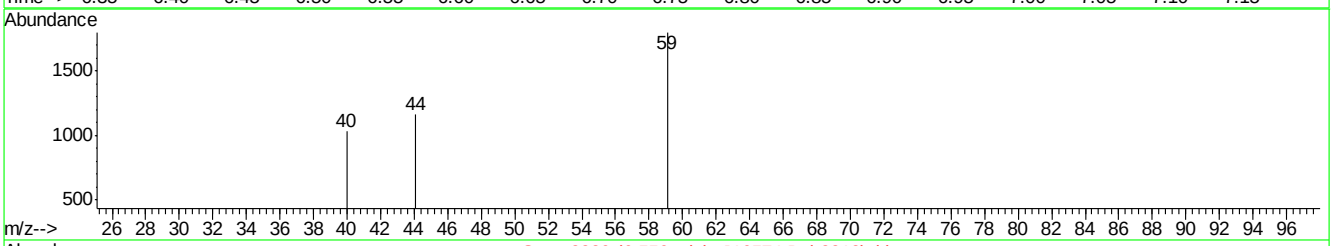
Quantitation Report (Qedit)

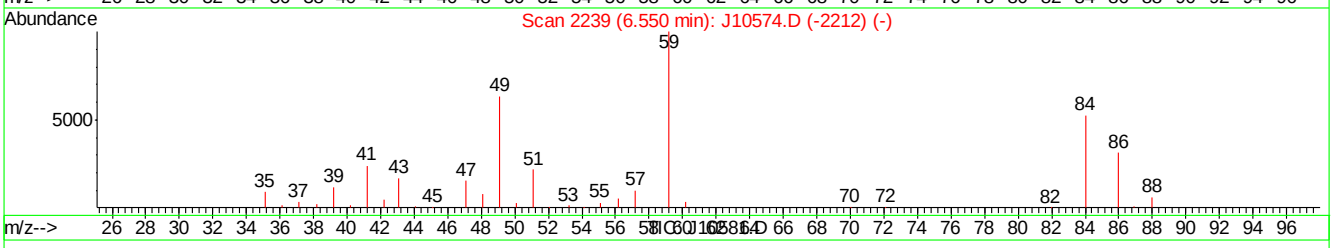
Data File : C:\MSDChem\1\data\J10581.D Vial: 1
Acq On : 7 Jun 2007 10:30 am Operator: danat
Sample : ic548-0.2 (m122) Inst : MSJ
Misc : MS13684, MSJ548,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

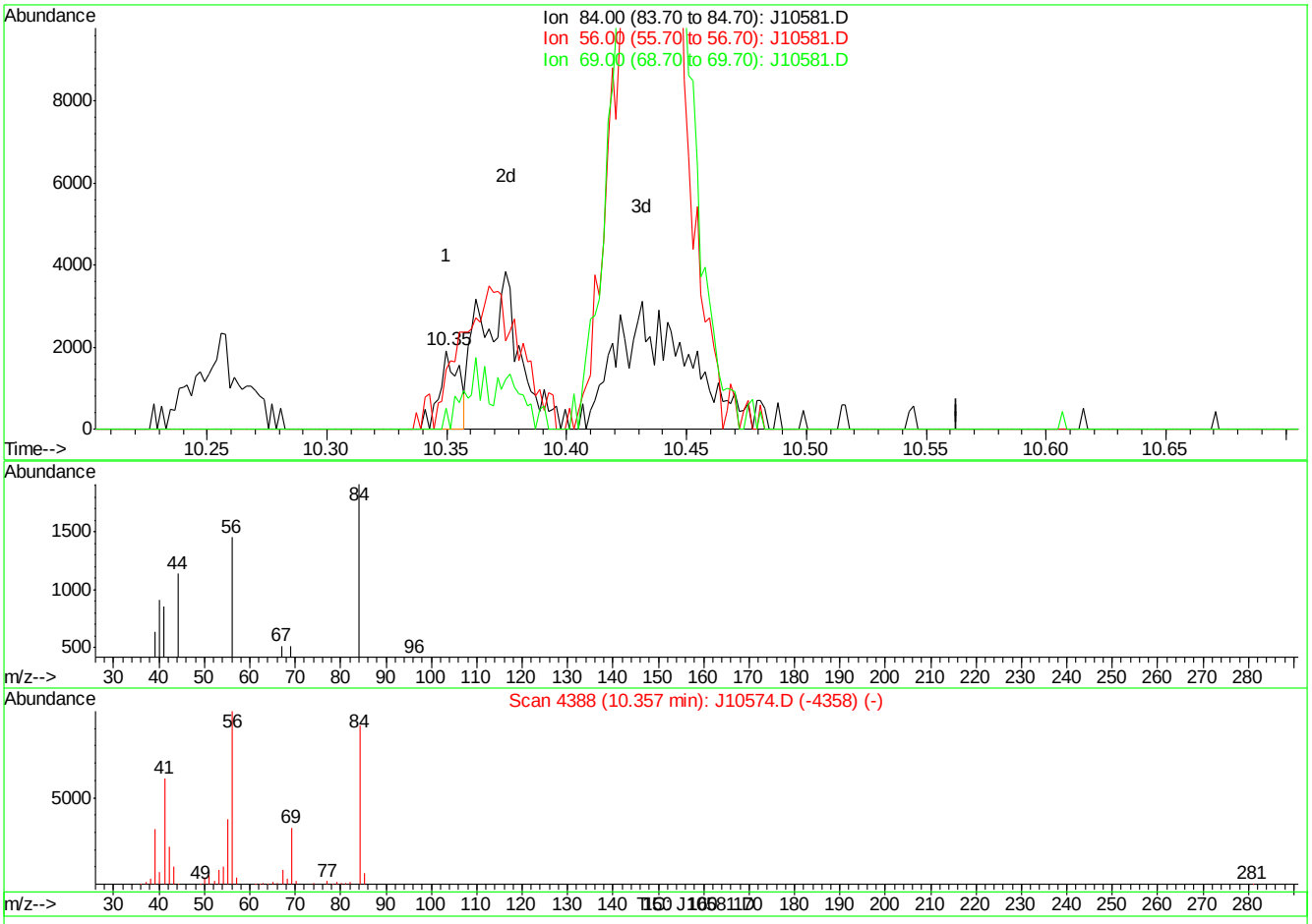
J10581.D J060707T.M Thu Jun 07 11:08:27 2007

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

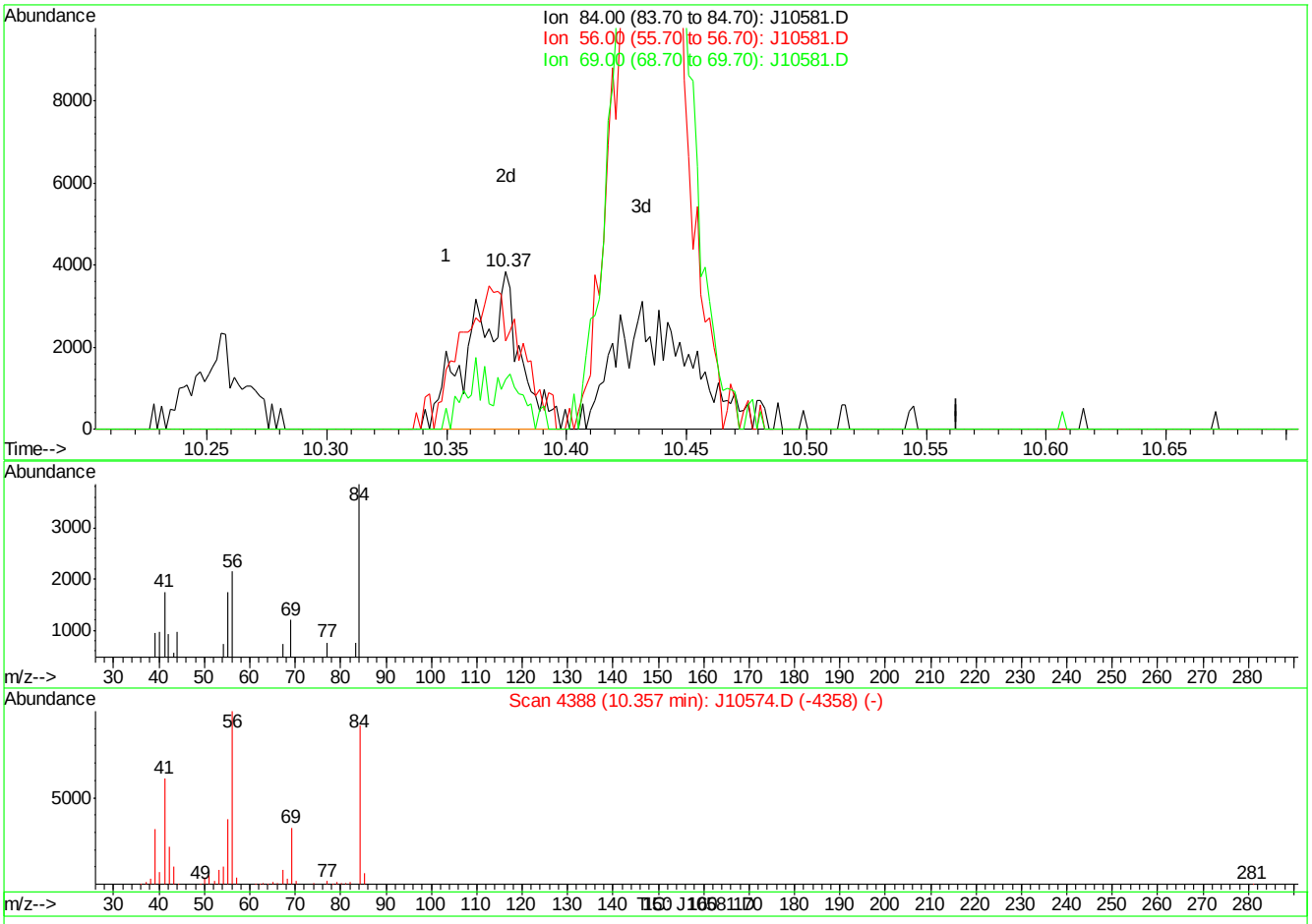
J10581.D J060707T.M Thu Jun 07 11:09:45 2007

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

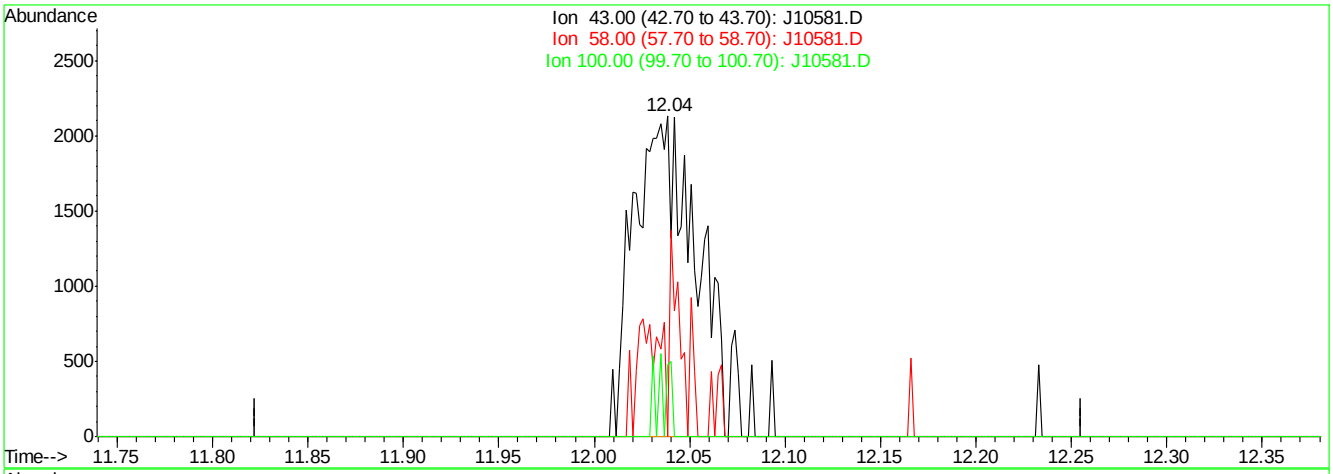
J10581.D J060707T.M Thu Jun 07 11:09:52 2007

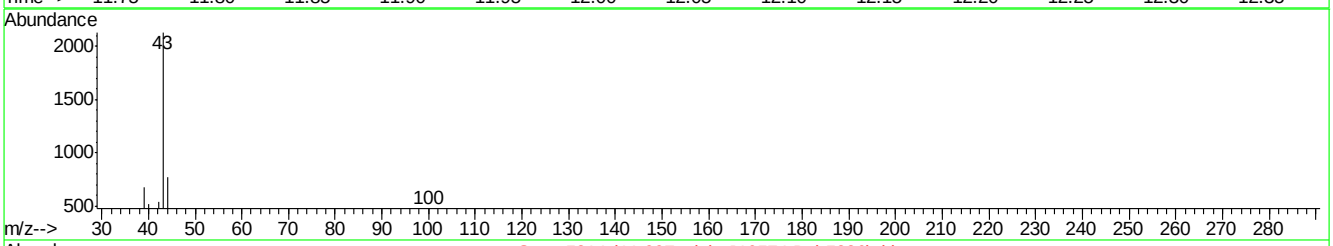
Quantitation Report (Qedit)

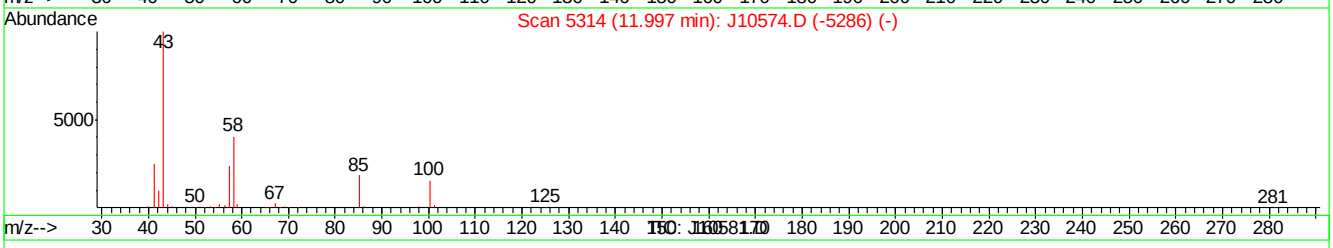
Data File : C:\MSDChem\1\data\J10581.D Vial: 1
Acq On : 7 Jun 2007 10:30 am Operator: danat
Sample : ic548-0.2 (m122) Inst : MSJ
Misc : MS13684, MSJ548,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

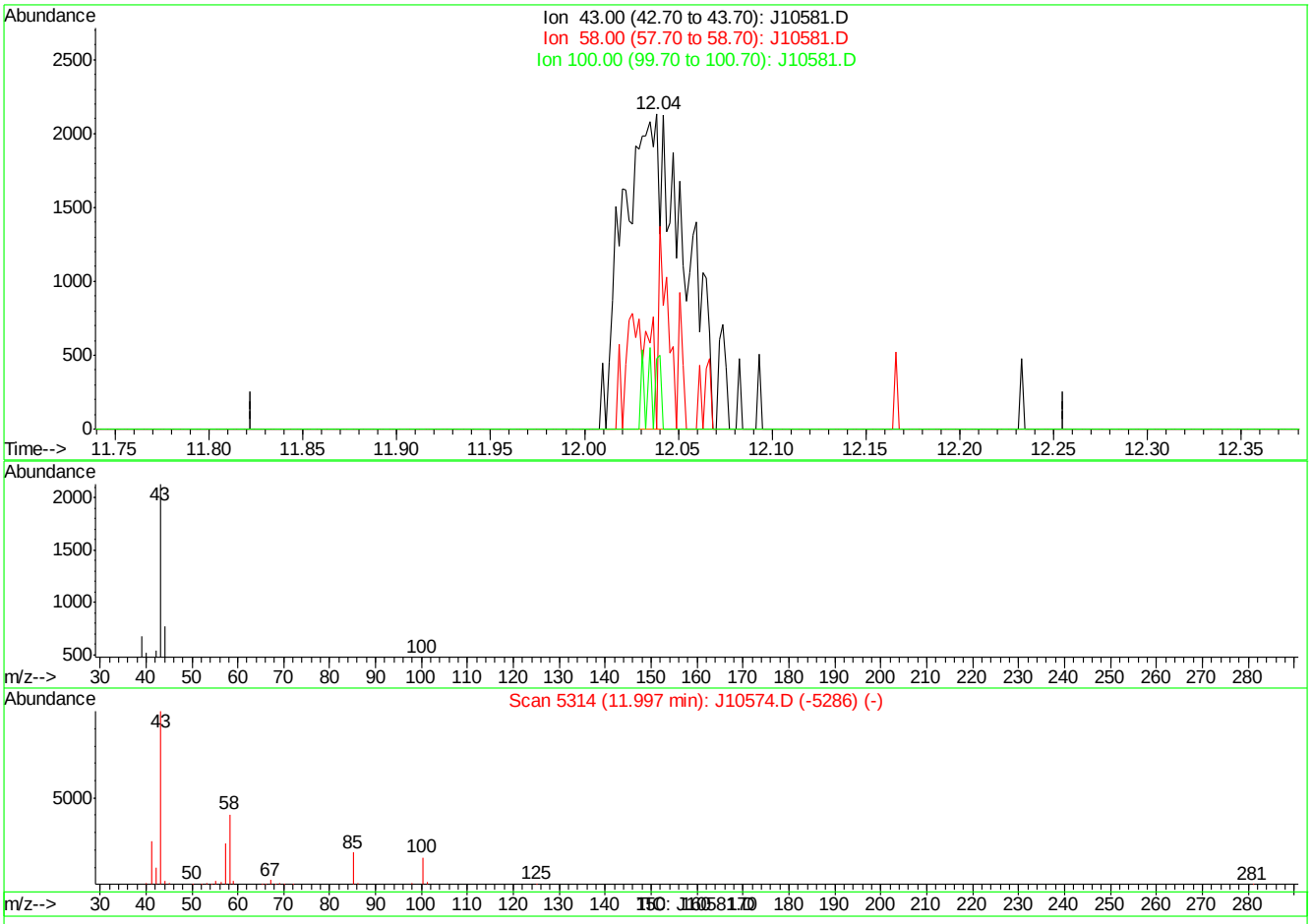
J10581.D J060707T.M Thu Jun 07 11:10:16 2007

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

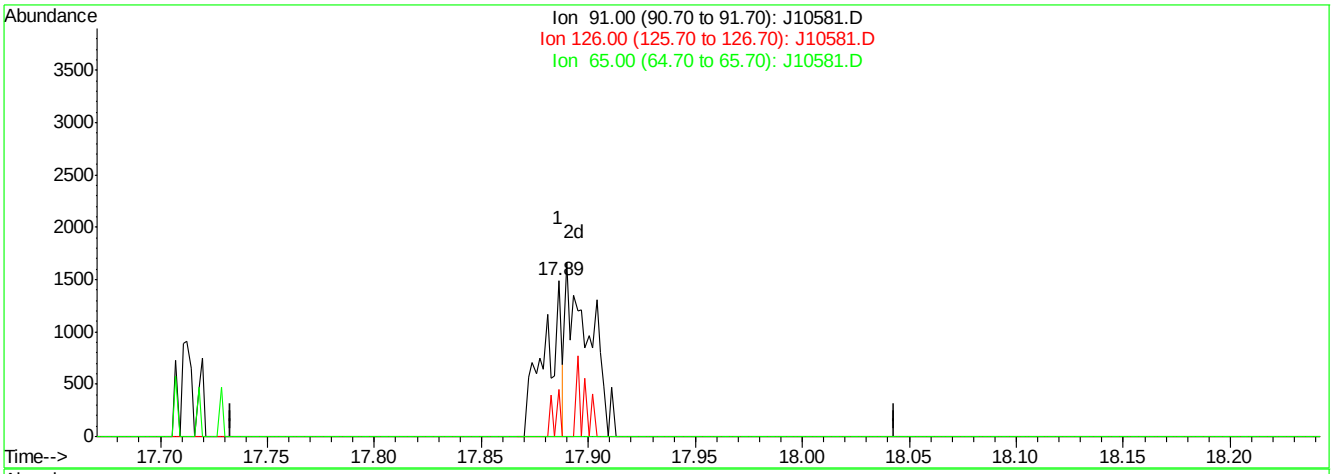
J10581.D J060707T.M Thu Jun 07 11:10:28 2007

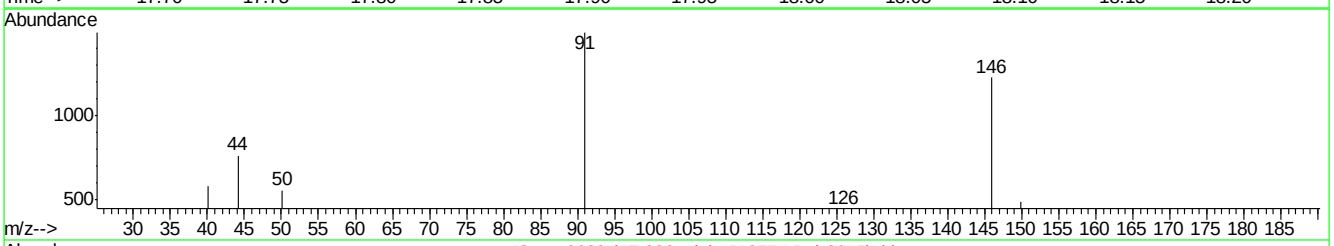
Quantitation Report (Qedit)

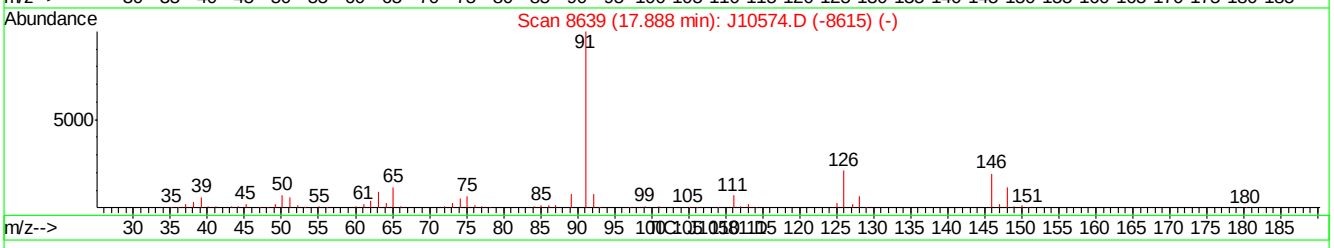
Data File : C:\MSDChem\1\data\J10581.D Vial: 1
Acq On : 7 Jun 2007 10:30 am Operator: danat
Sample : ic548-0.2 (m122) Inst : MSJ
Misc : MS13684, MSJ548,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

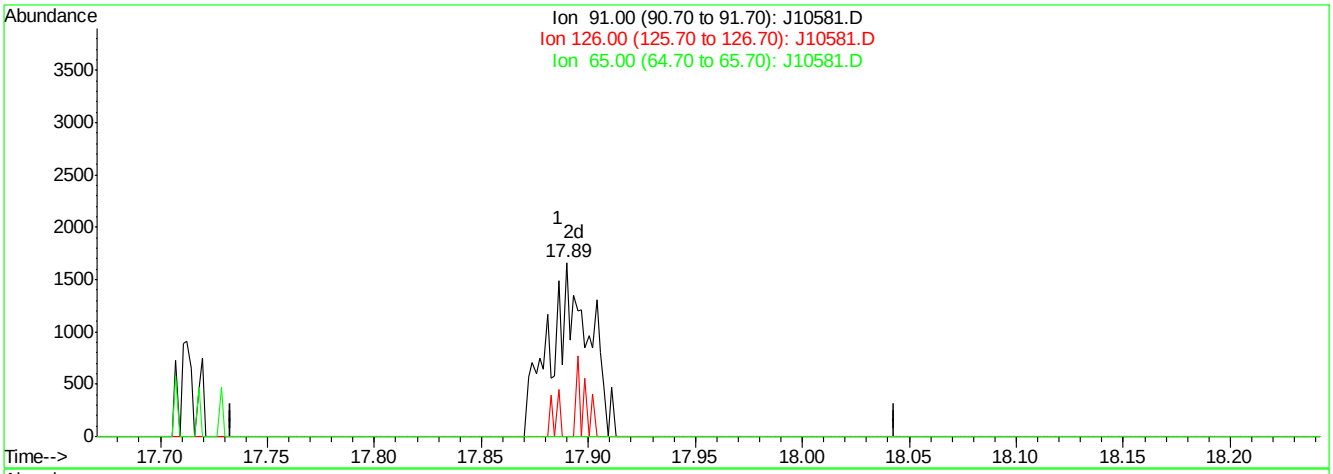
J10581.D J060707T.M Thu Jun 07 11:10:54 2007

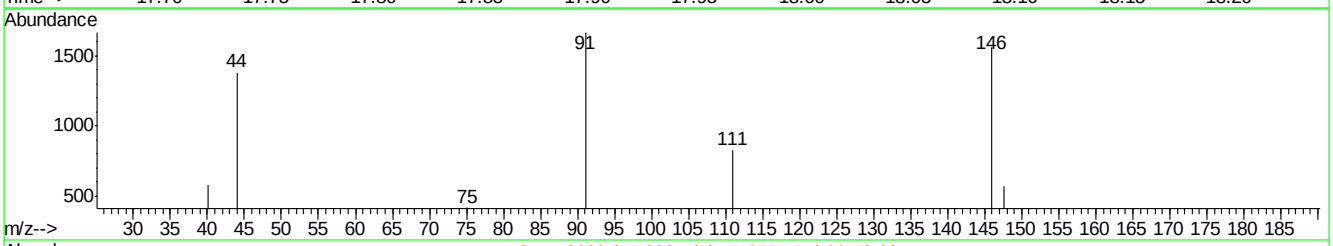
Quantitation Report (Qedit)

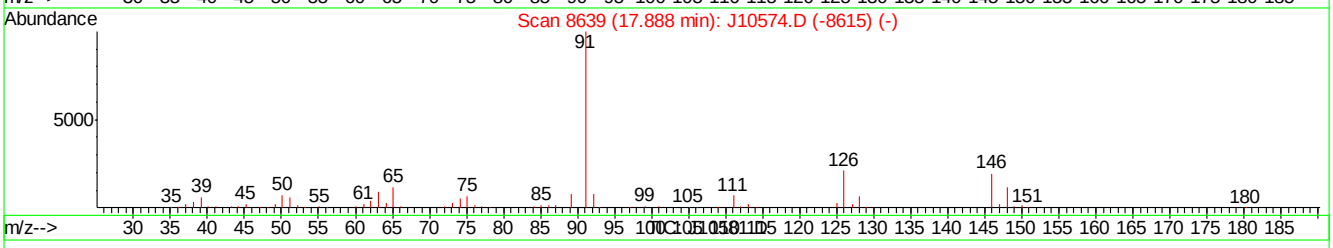
Data File : C:\MSDChem\1\data\J10581.D Vial: 1
Acq On : 7 Jun 2007 10:30 am Operator: danat
Sample : ic548-0.2 (m122) Inst : MSJ
Misc : MS13684, MSJ548,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

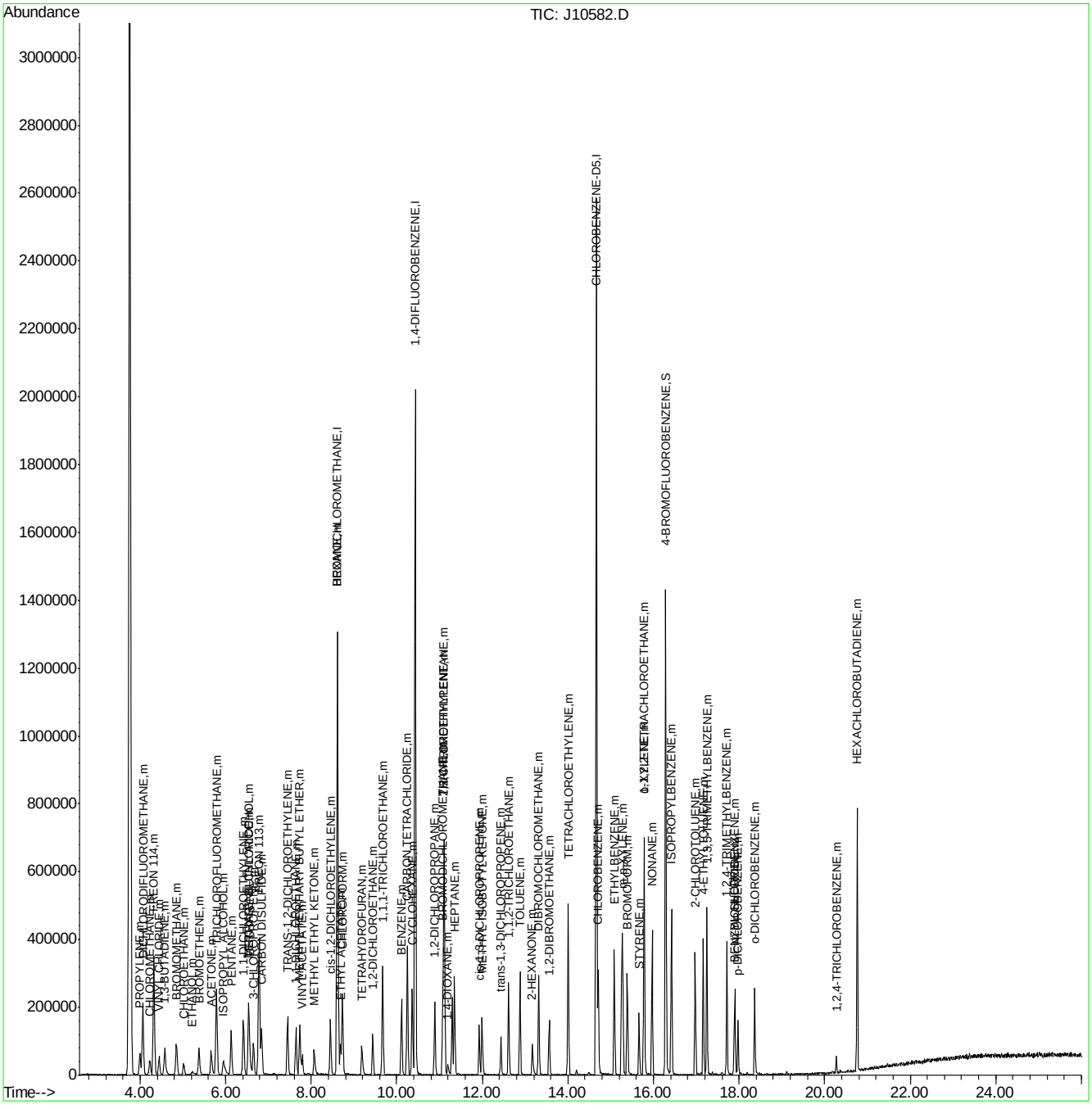
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.99	43	113090	4.02	PPBV	97
45) cis-1,3-DICHLOROPROPENE	11.93	75	75255	3.33	PPBV	99
46) TOLUENE	12.88	92	117321	3.06	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.43	75	57249	3.42	PPBV	98
48) 1,1,2-TRICHLOROETHANE	12.61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

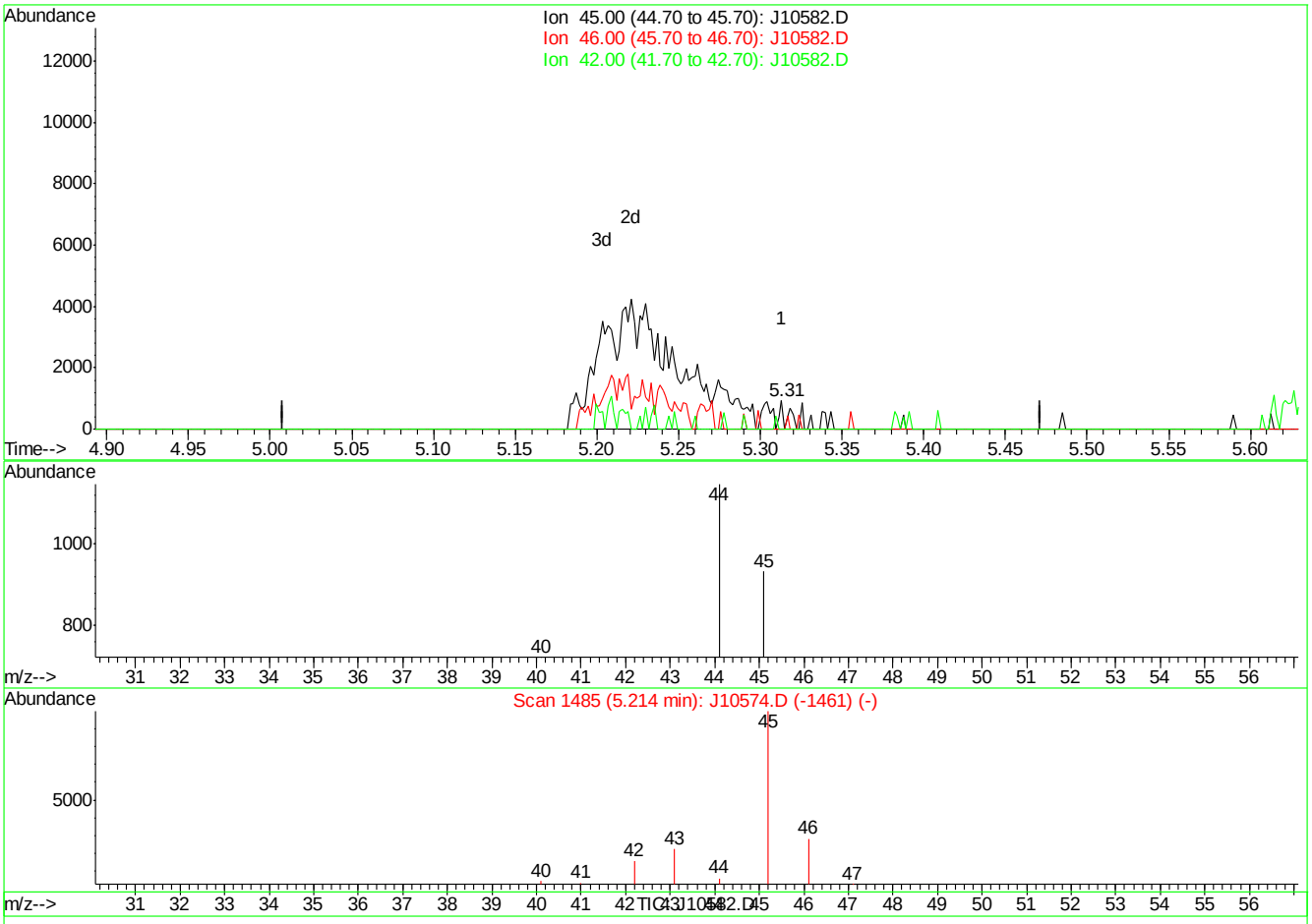


Quantitation Report (Qedit)

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

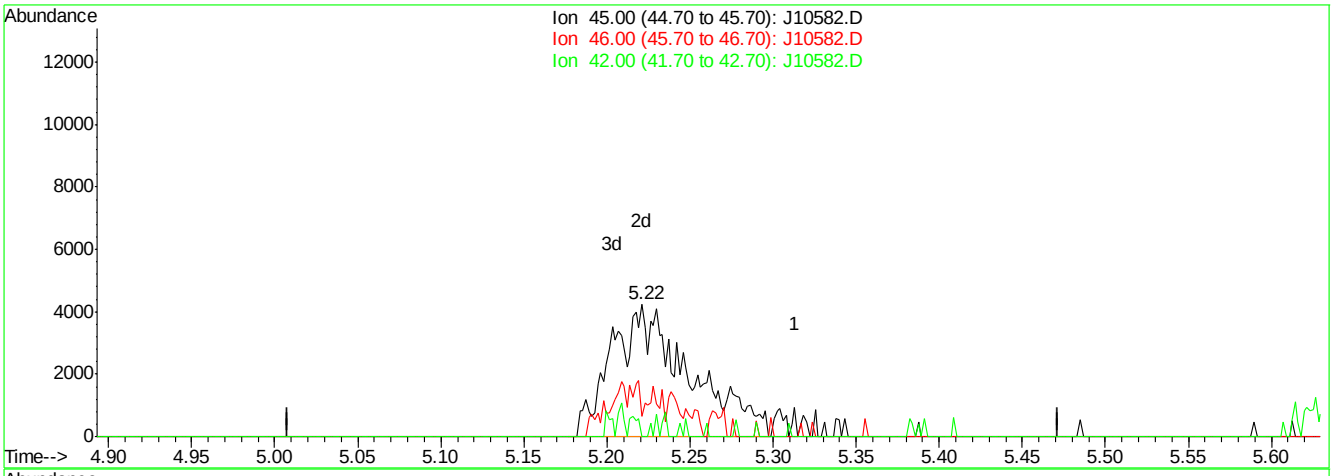
J10582.D J060707T.M Thu Jun 07 11:55:01 2007

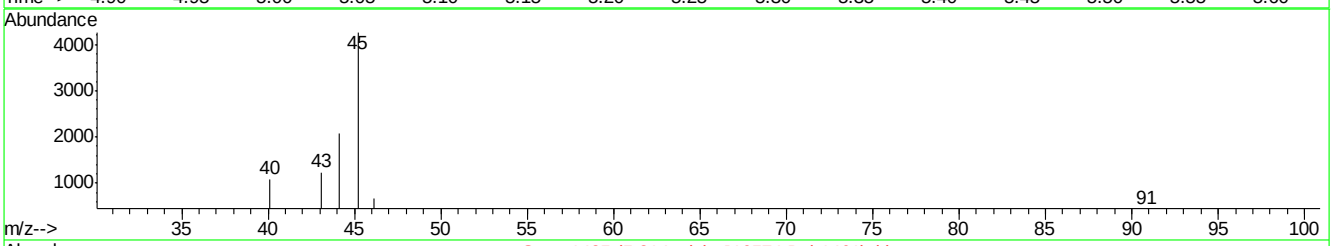
Quantitation Report (Qedit)

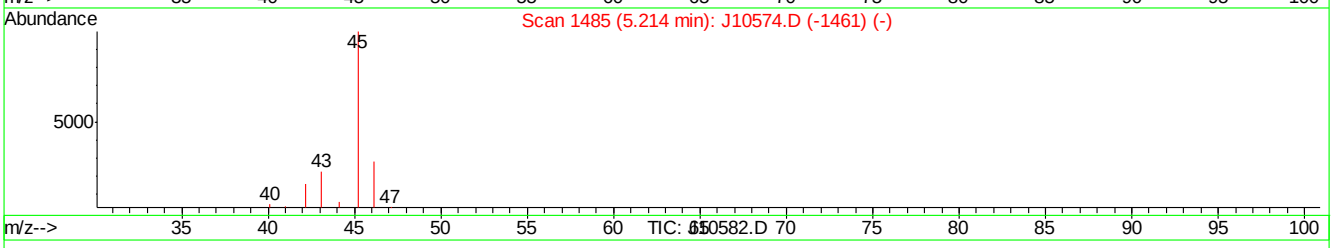
Data File : C:\MSDChem\1\data\J10582.D Vial: 1
Acq On : 7 Jun 2007 11:22 am Operator: danat
Sample : ic548-2 (m122) Inst : MSJ
Misc : MS13684, MSJ548,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

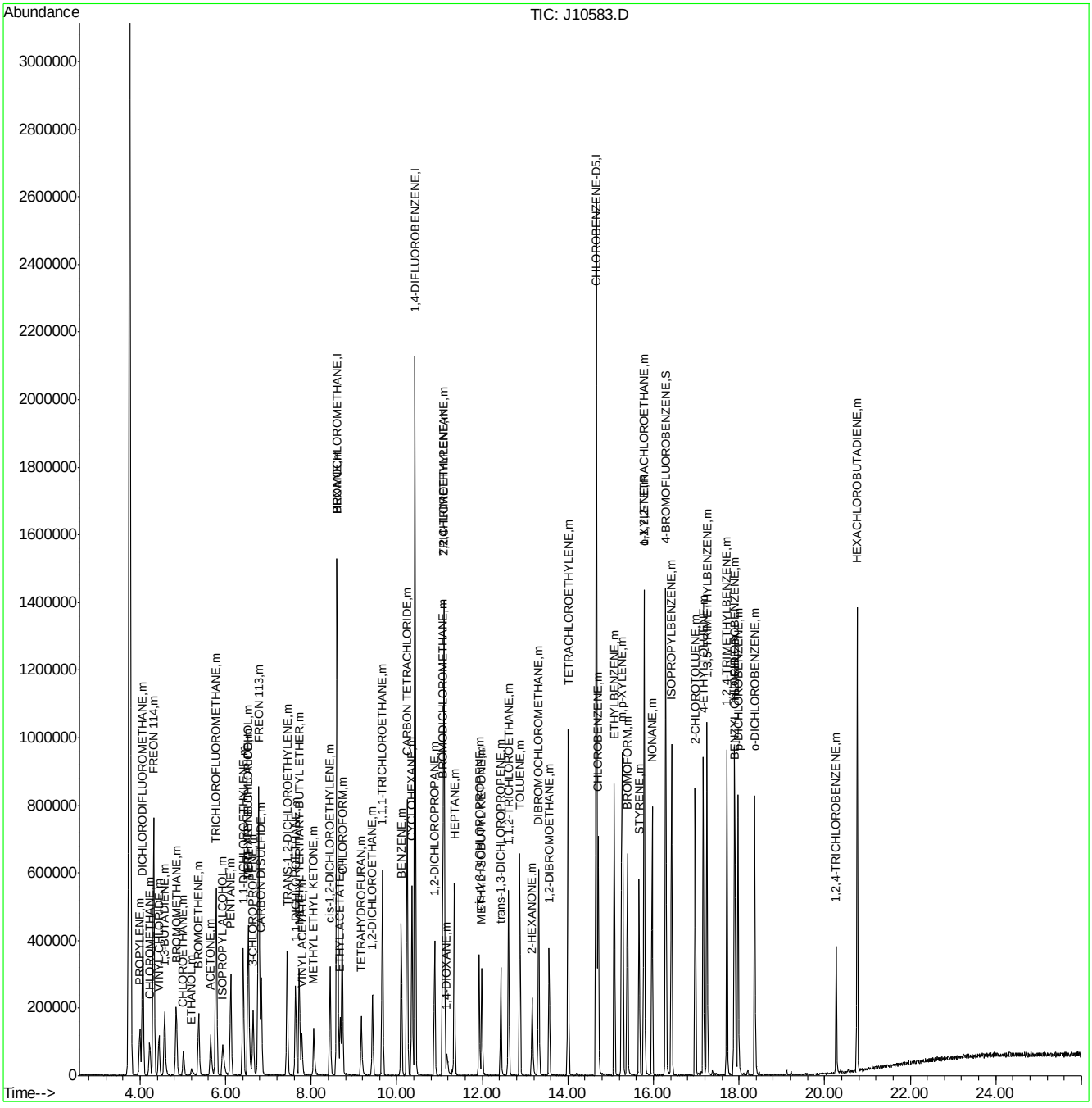
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.98	43	218338	5.49	PPBV	97
45) cis-1,3-DICHLOROPROPENE	11.92	75	175907	6.03	PPBV	98
46) TOLUENE	12.88	92	255104	5.35	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.43	75	157847	7.21	PPBV	98
48) 1,1,2-TRICHLOROETHANE	12.61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

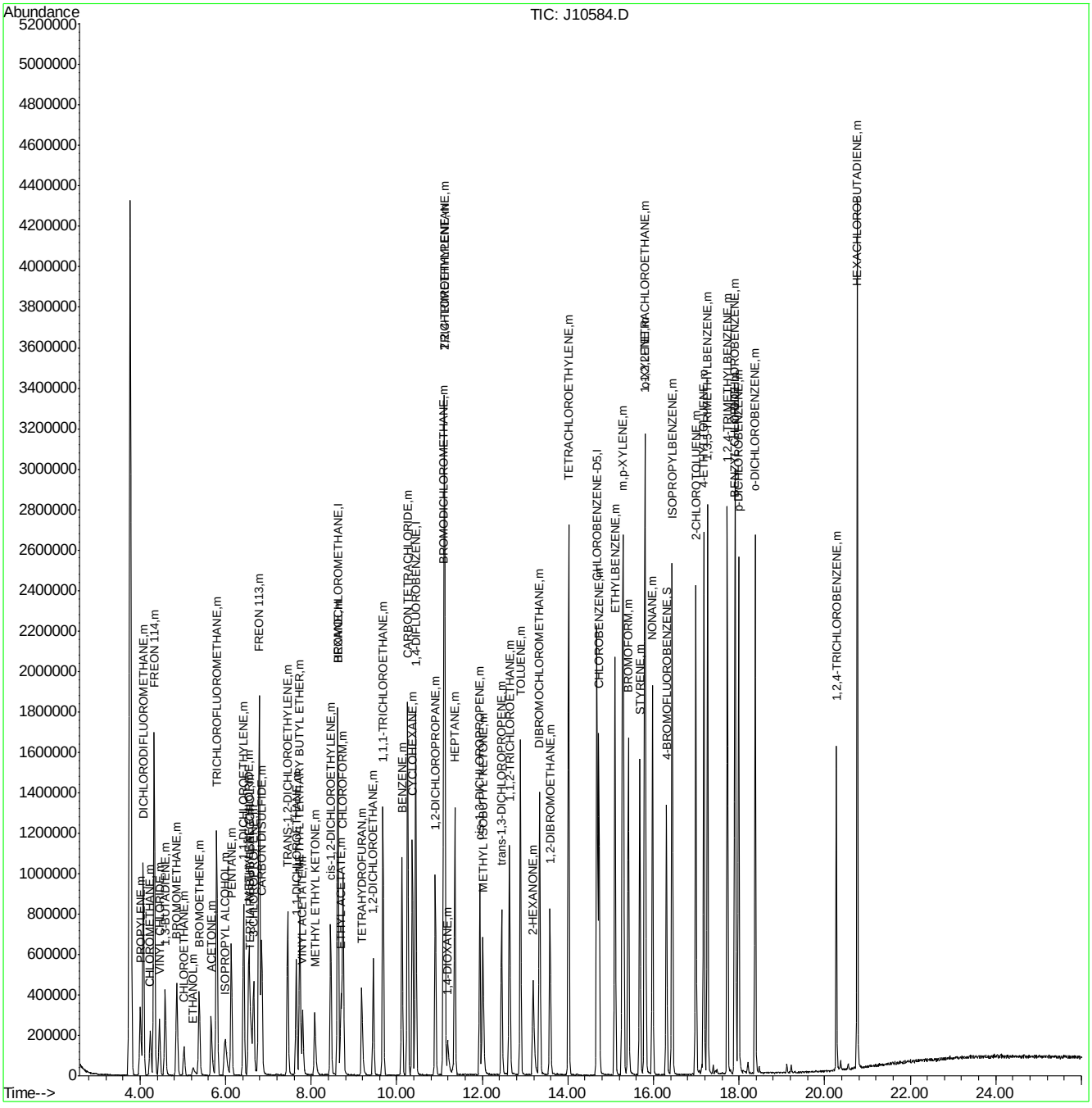
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.01	43	596743	15.96	PPBV	99
45) cis-1,3-DICHLOROPROPENE	11.94	75	535244	19.01	PPBV	99
46) TOLUENE	12.89	92	744598	16.73	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.45	75	510703	22.89	PPBV	99
48) 1,1,2-TRICHLOROETHANE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



ACCUTEST Laboratories M65404

Manual Integrations APPROVED (compounds with "m" flag)
Philip Bassignani 06/18/07 11:53

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10585.D
Acq On : 7 Jun 2007 2:55 pm
Operator : danat
Sample : ic548-20 (m109)
Misc : MS13684, MSJ548,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 07 15:59:11 2007
Quant Method : C:\MSDCHEM\1\METHODS\J060707T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jun 07 14:29:16 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	371158	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.45	114	1632139	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.68	117	1523938	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.31	95	517501	5.88	PPBV	0.00
Spiked Amount 5.000	Range 51 - 142		Recovery = 117.60%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.07	85	2654998	20.84	PPBV	99
3) PROPYLENE	4.00	41	461436	20.78	PPBV	96
4) FREON 114	4.33	85	2461957	21.12	PPBV	98
5) CHLOROMETHANE	4.23	50	623255	20.02	PPBV	98
6) VINYL CHLORIDE	4.45	62	772314	21.66	PPBV	98
7) 1,3-BUTADIENE	4.58	39	540784	22.55	PPBV	97
8) BROMOMETHANE	4.85	94	898319	22.37	PPBV	99
9) CHLOROETHANE	5.02	64	379272	23.98	PPBV	99
10) TRICHLOROFLUOROMETHANE	5.78	101	2773086	21.44	PPBV	100
11) ISOPROPYL ALCOHOL	6.01	45	944953m	23.81	PPBV	
12) ACETONE	5.65	43	917269	17.94	PPBV	100
13) PENTANE	6.12	42	617842	19.78	PPBV	98
14) 1,1-DICHLOROETHYLENE	6.41	96	898984	24.91	PPBV	97
15) CARBON DISULFIDE	6.84	76	2419607	20.91	PPBV	99
16) ETHANOL	5.23	45	171611	23.91	PPBV	74
17) BROMOETHENE	5.38	106	913157	25.23	PPBV	99
18) METHYLENE CHLORIDE	6.54	84	833344	12.68	PPBV	97
19) 3-CHLOROPROPENE	6.65	39	692698	29.18	PPBV	90
20) FREON 113	6.78	151	1858262	22.64	PPBV	97
21) TRANS-1,2-DICHLOROETHYLENE	7.44	96	871227	25.21	PPBV	97
22) TERTIARY BUTYL ALCOHOL	6.60	59	1301937m	29.56	PPBV	
23) METHYL TERTIARY BUTYL ETHE	7.73	73	1848932	26.27	PPBV	99
24) TETRAHYDROFURAN	9.17	42	588515	25.77	PPBV	98
25) HEXANE	8.62	57	913450	16.95	PPBV	96
26) VINYL ACETATE	7.80	43	1171929	26.54	PPBV	98
27) 1,1-DICHLOROETHANE	7.65	63	1381252	23.35	PPBV	100
28) METHYL ETHYL KETONE	8.08	43	1040611	25.24	PPBV	98
29) cis-1,2-DICHLOROETHYLENE	8.45	96	839104	24.98	PPBV	99
30) ETHYL ACETATE	8.70	43	1155258	26.17	PPBV	100
31) CHLOROFORM	8.75	83	1854338	21.81	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.68	97	2134366	23.65	PPBV	99
33) CARBON TETRACHLORIDE	10.25	117	2542454	24.00	PPBV	99
34) 1,2-DICHLOROETHANE	9.46	62	1079562	23.67	PPBV	100
36) BENZENE	10.12	78	2099939	25.91	PPBV	100
37) CYCLOHEXANE	10.36	84	999766	27.50	PPBV	98
38) TRICHLOROETHYLENE	11.12	95	1051564	23.94	PPBV	98
39) 1,2-DICHLOROPROPANE	10.90	63	691249	24.35	PPBV	100
40) BROMODICHLOROMETHANE	11.10	83	1791169	24.00	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.12	57	3118326	25.76	PPBV	99
42) 1,4-DIOXANE	11.18	88	399502	34.03	PPBV	94
43) HEPTANE	11.36	43	1000352	25.05	PPBV	97

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10585.D
Acq On : 7 Jun 2007 2:55 pm
Operator : danat
Sample : ic548-20 (m109)
Misc : MS13684, MSJ548,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 07 15:59:11 2007
Quant Method : C:\MSDCHEM\1\METHODS\J060707T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jun 07 14:29:16 2007
Response via : Initial Calibration

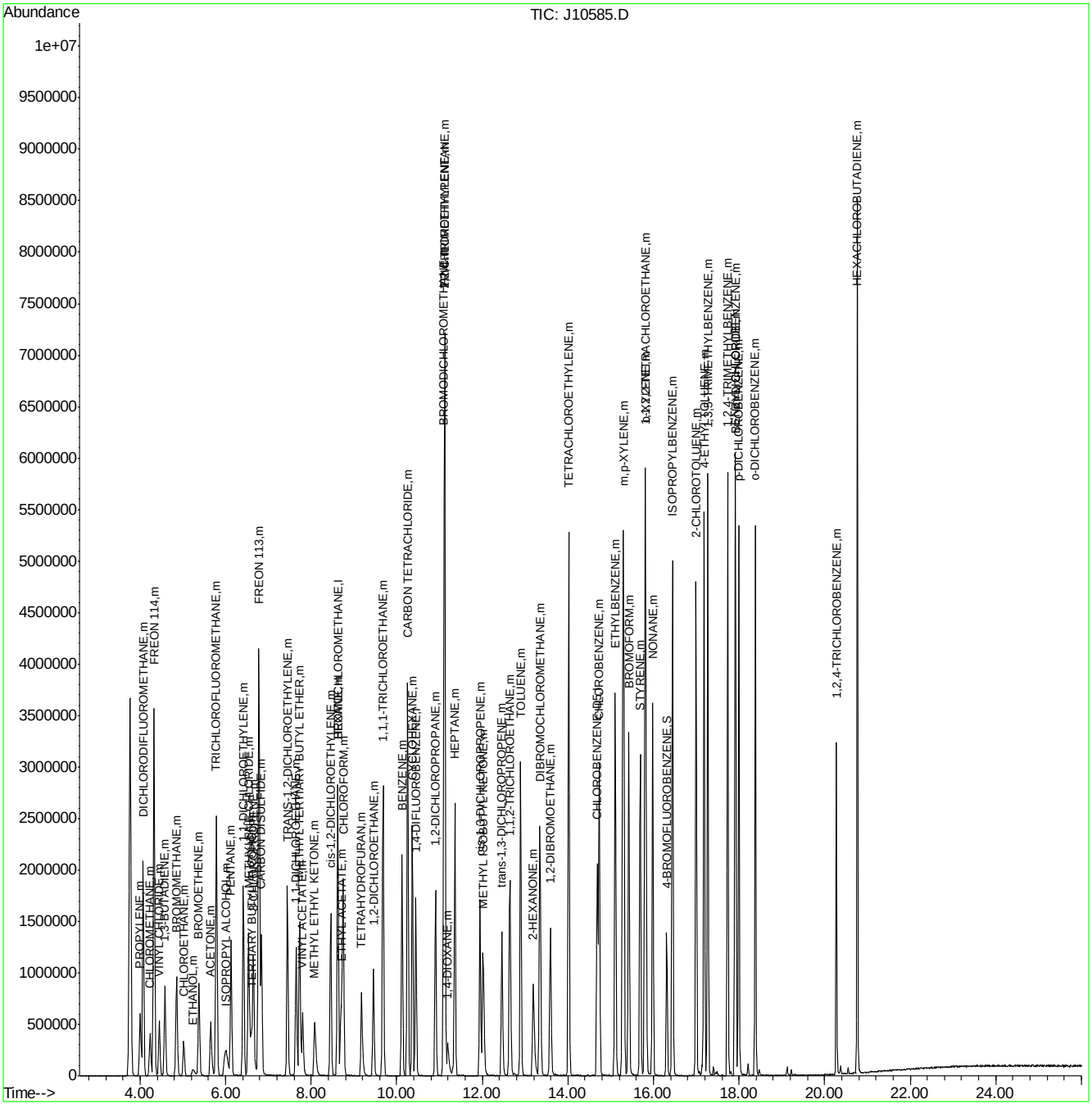
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.02	43	1266551	28.97	PPBV	99
45) cis-1,3-DICHLOROPROPENE	11.94	75	1109246	31.95	PPBV	99
46) TOLUENE	12.90	92	1527632	28.95	PPBV	100
47) trans-1,3-DICHLOROPROPENE	12.46	75	1085322	37.01	PPBV	98
48) 1,1,2-TRICHLOROETHANE	12.64	83	748631	25.23	PPBV	100
50) 2-HEXANONE	13.19	43	1079218	33.77	PPBV	98
51) TETRACHLOROETHYLENE	14.02	164	1351499	24.96	PPBV	100
52) DIBROMOCHLOROMETHANE	13.34	129	1940514	25.62	PPBV	100
53) 1,2-DIBROMOETHANE	13.59	107	1454896	28.63	PPBV	100
54) CHLOROBENZENE	14.73	112	2158961	26.72	PPBV	99
55) ETHYLBENZENE	15.10	91	3430834	30.65	PPBV	100
56) m,p-XYLENE	15.30	106	2777762	63.17	PPBV	98
57) o-XYLENE	15.80	106	1418743	31.41	PPBV	99
58) STYRENE	15.69	104	2016749	43.29	PPBV	100
59) NONANE	15.98	43	1427332	28.66	PPBV	99
60) BROMOFORM	15.42	173	2112670m	30.06	PPBV	
62) 1,1,2,2-TETRACHLOROETHANE	15.82	83	1951246	26.42	PPBV	99
63) ISOPROPYLBENZENE	16.44	105	4108590	31.39	PPBV	99
64) 2-CHLOROTOLUENE	17.00	91	2940168	33.50	PPBV	99
65) 4-ETHYLTOLUENE	17.18	105	3904250	38.55	PPBV	98
66) 1,3,5-TRIMETHYLBENZENE	17.27	105	3523200	34.57	PPBV	100
67) 1,2,4-TRIMETHYLBENZENE	17.73	105	3326863	37.70	PPBV	99
68) m-DICHLOROBENZENE	17.92	146	2404313	39.44	PPBV	100
69) BENZYL CHLORIDE	17.90	91	2000974	48.84	PPBV	99
70) p-DICHLOROBENZENE	17.99	146	2277219	42.65	PPBV	99
71) o-DICHLOROBENZENE	18.38	146	2224278	37.10	PPBV	99
72) HEXACHLOROBUTADIENE	20.76	225	1457697	23.53	PPBV	100
73) 1,2,4-TRICHLOROBENZENE	20.27	180	897311	48.36	PPBV	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10585.D
Acq On : 7 Jun 2007 2:55 pm
Operator : danat
Sample : ic548-20 (m109)
Misc : MS13684, MSJ548,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 07 15:59:11 2007
Quant Method : C:\MSDCHEM\1\METHODS\J060707T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jun 07 14:29:16 2007
Response via : Initial Calibration

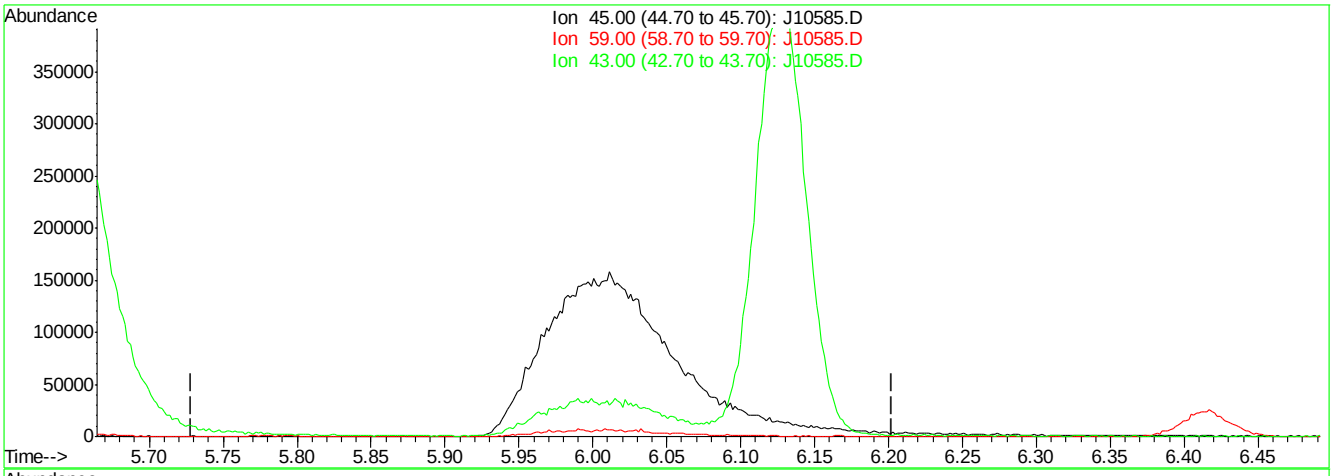


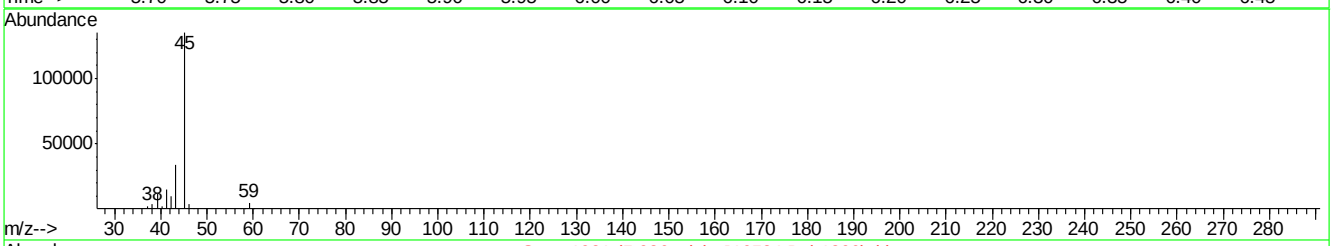
Quantitation Report (Qedit)

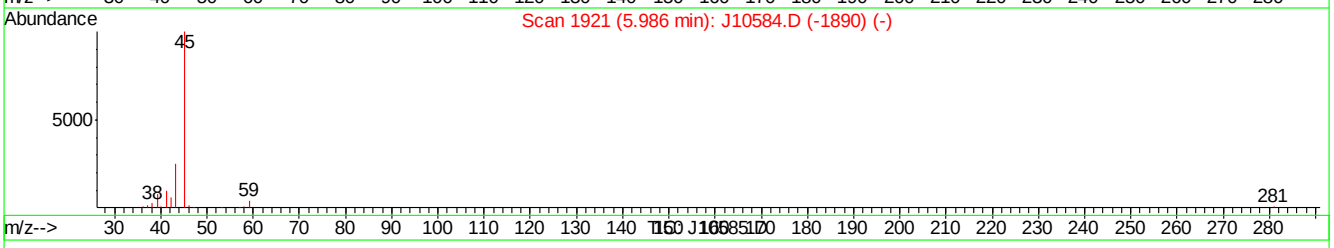
Data File : C:\MSDChem\1\data\J10585.D Vial: 2
Acq On : 7 Jun 2007 2:55 pm Operator: danat
Sample : ic548-20 (m109) Inst : MSJ
Misc : MS13684, MSJ548,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 07 15:57:21 2007 Results File: J060707T.RES

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







(11) ISOPROPYL ALCOHOL (m)

5.99min 0.00PPBV

response 0

Ion	Exp%	Act%
45.00	100	0.00
59.00	4.00	0.00
43.00	24.90	0.00#
0.00	0.00	0.00

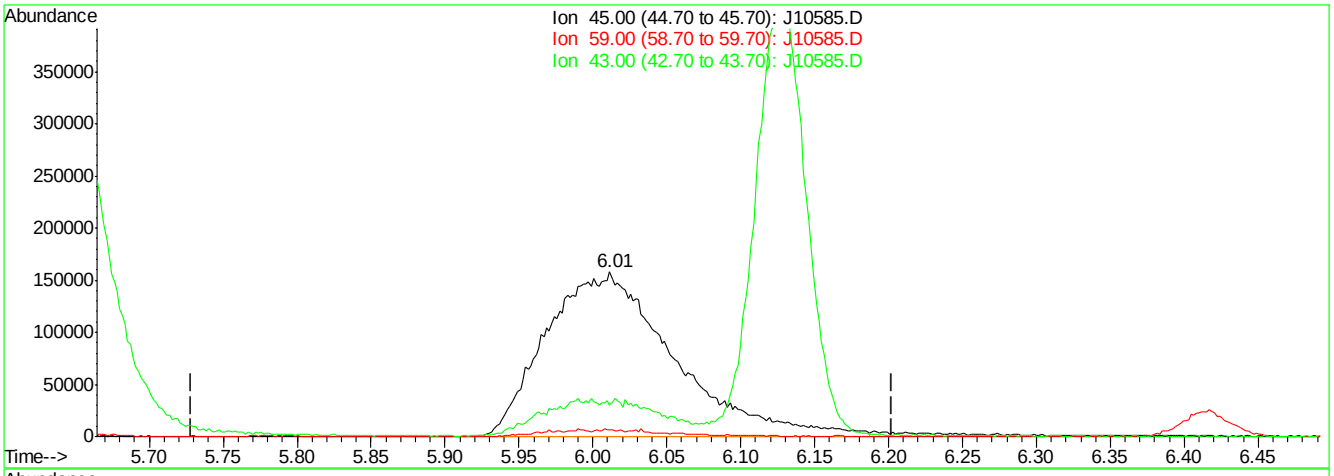
J10585.D J060707T.M Thu Jun 07 15:57:54 2007

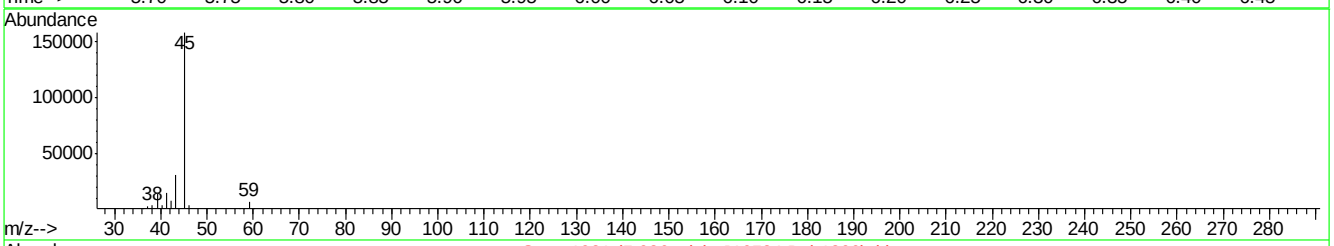
Quantitation Report (Qedit)

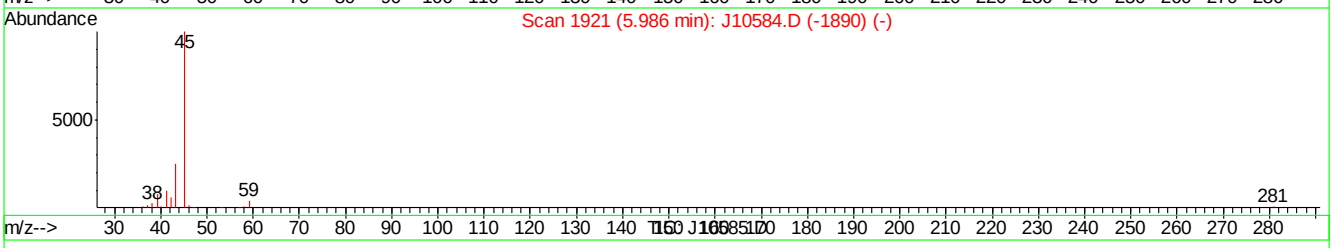
Data File : C:\MSDChem\1\data\J10585.D Vial: 2
Acq On : 7 Jun 2007 2:55 pm Operator: danat
Sample : ic548-20 (m109) Inst : MSJ
Misc : MS13684, MSJ548,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 07 15:57:21 2007 Results File: J060707T.RES

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







(11) ISOPROPYL ALCOHOL (m)

6.01min 23.81PPBV m

response 944953

Ion	Exp%	Act%
45.00	100	100
59.00	4.00	4.26
43.00	24.90	19.21
0.00	0.00	0.00

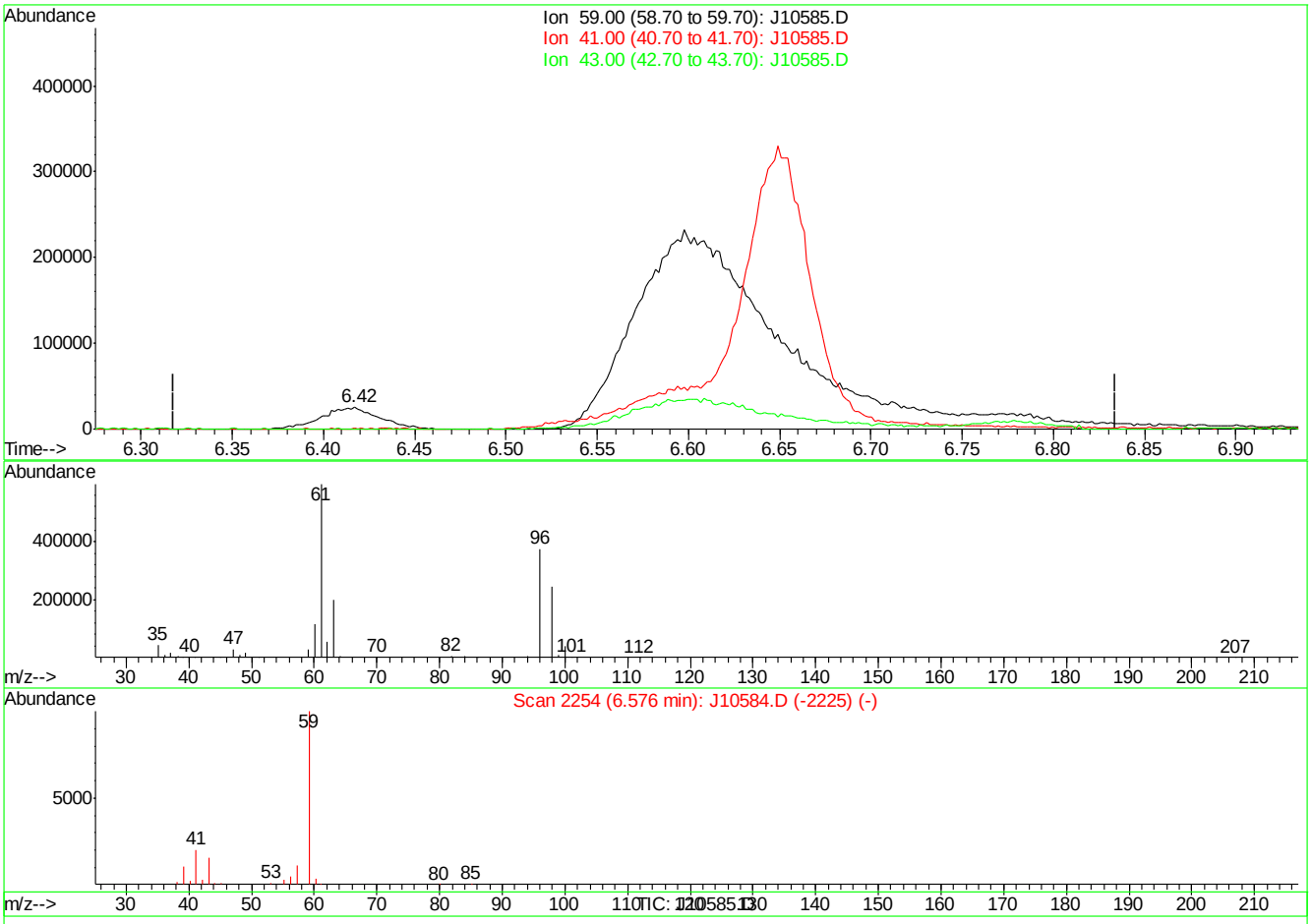
J10585.D J060707T.M Thu Jun 07 15:58:00 2007

Quantitation Report (Qedit)

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

Quant Time: Jun 07 15:57:21 2007 Results File: J060707T.RES

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



(22) TERTIARY BUTYL ALCOHOL (m)

6.42min 1.27PPBV

response 55937

Ion	Exp%	Act%
59.00	100	100
41.00	18.10	0.00
43.00	16.70	0.00
0.00	0.00	0.00

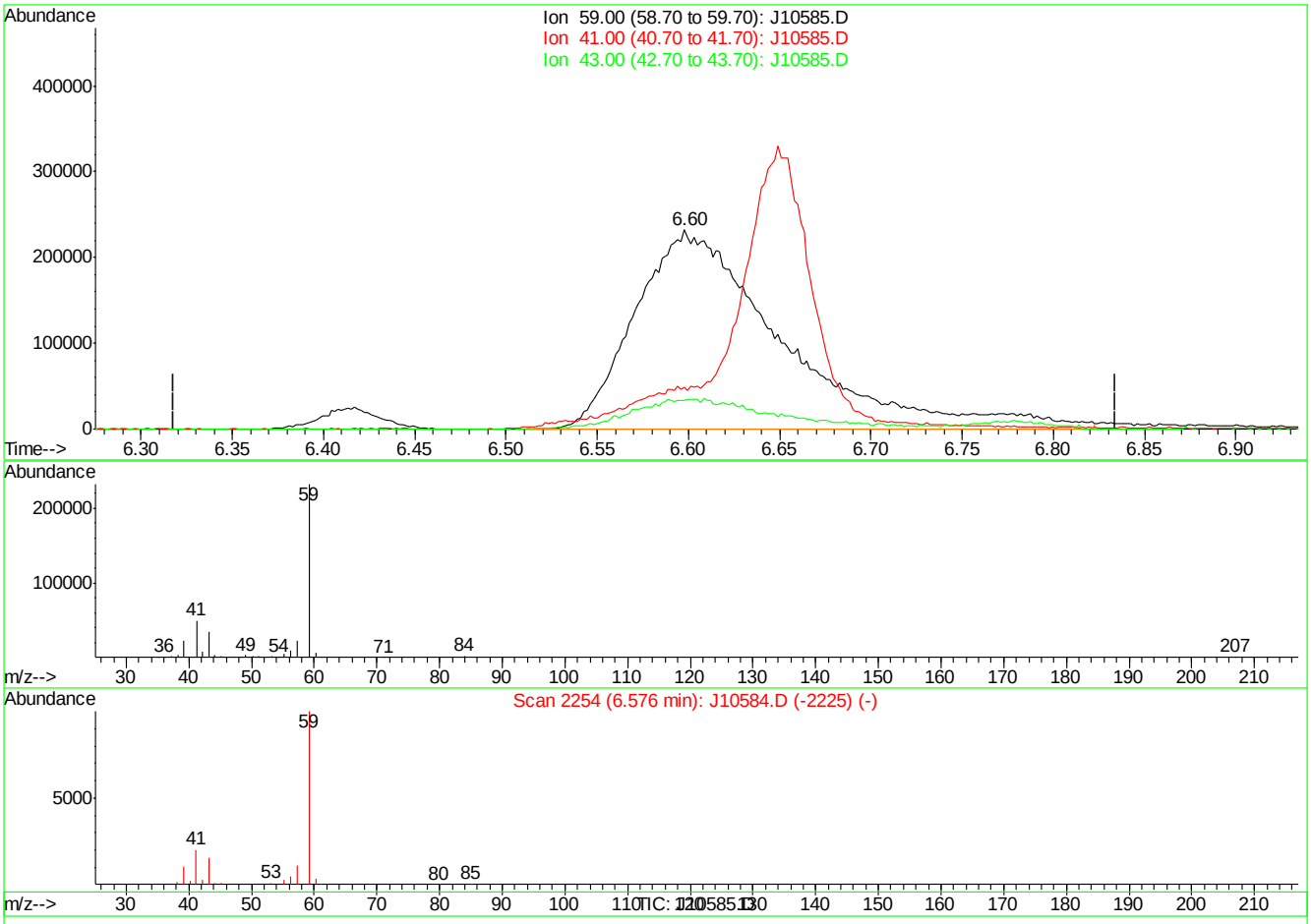
J10585.D J060707T.M Thu Jun 07 15:58:12 2007

Quantitation Report (Qedit)

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

Quant Time: Jun 07 15:57:21 2007 Results File: J060707T.RES

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



(22) TERTIARY BUTYL ALCOHOL (m)

6.60min 29.56PPBV m

response 1301937

Ion	Exp%	Act%
59.00	100	100
41.00	18.10	0.00
43.00	16.70	0.00
0.00	0.00	0.00

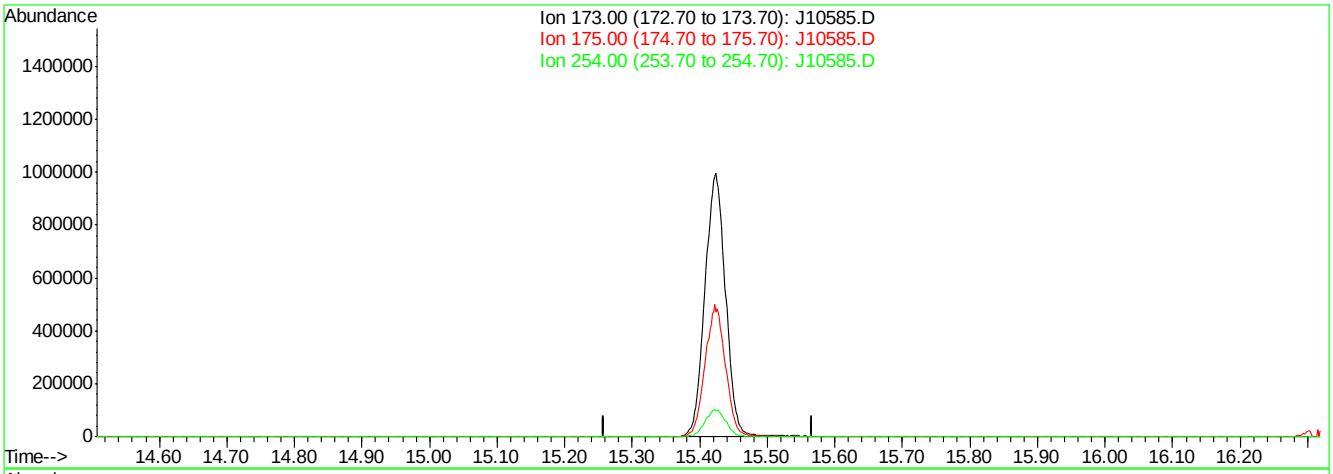
J10585.D J060707T.M Thu Jun 07 15:58:20 2007

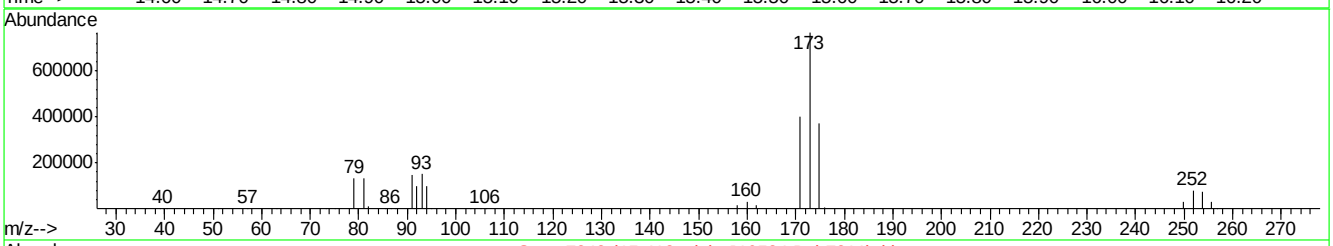
Quantitation Report (Qedit)

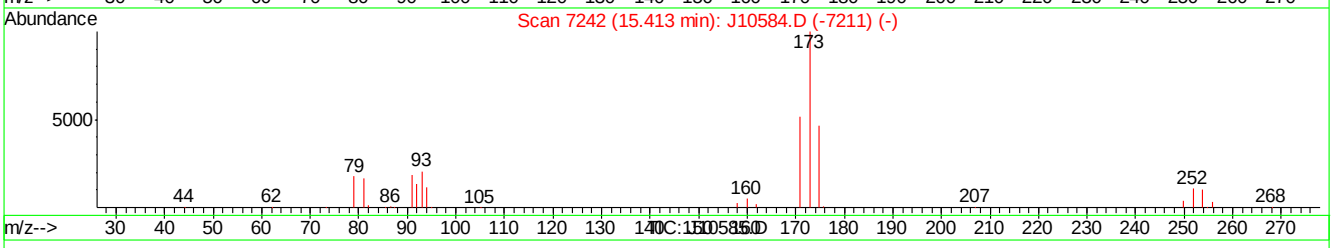
Data File : C:\MSDChem\1\data\J10585.D Vial: 2
Acq On : 7 Jun 2007 2:55 pm Operator: danat
Sample : ic548-20 (m109) Inst : MSJ
Misc : MS13684, MSJ548,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 07 15:57:21 2007 Results File: J060707T.RES

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







(60) BROMOFORM (m)

15.41min 0.00PPBV

response 0

Ion	Exp%	Act%
173.00	100	0.00
175.00	48.90	0.00#
254.00	10.20	0.00
0.00	0.00	0.00

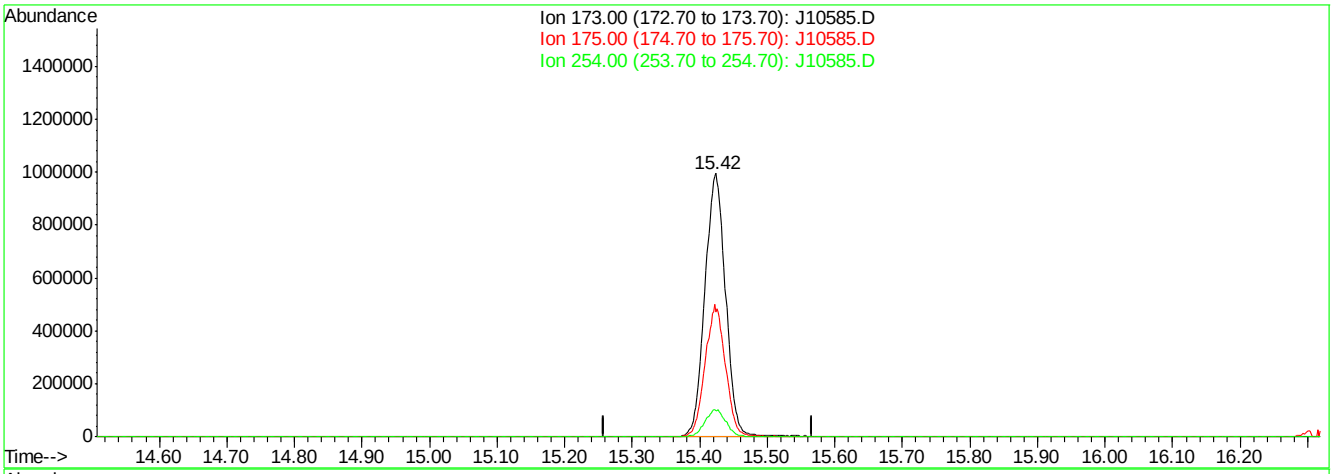
J10585.D J060707T.M Thu Jun 07 15:58:53 2007

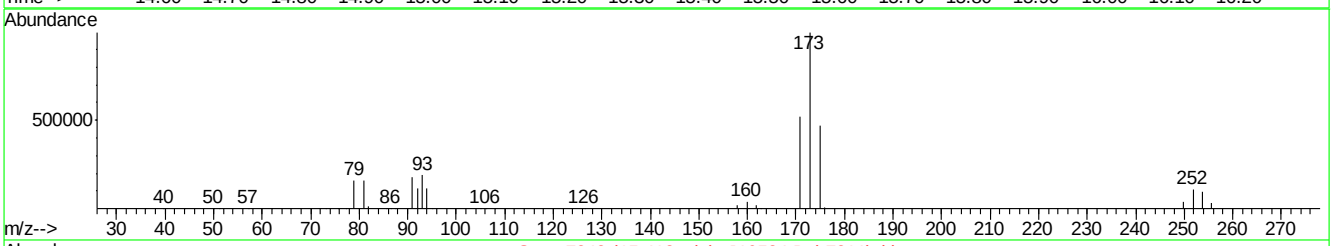
Quantitation Report (Qedit)

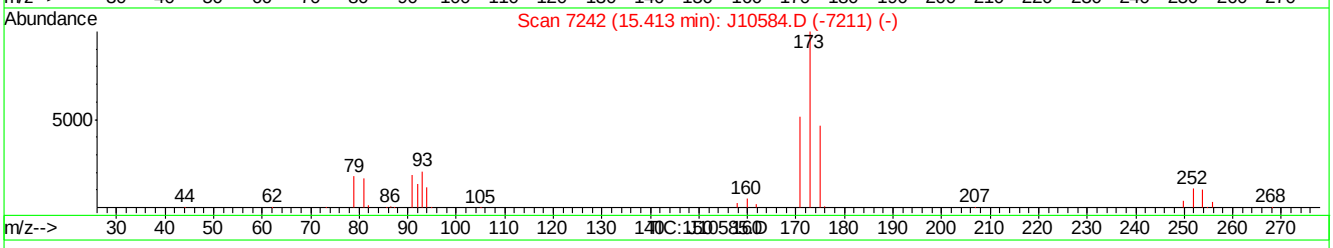
Data File : C:\MSDChem\1\data\J10585.D Vial: 2
Acq On : 7 Jun 2007 2:55 pm Operator: danat
Sample : ic548-20 (m109) Inst : MSJ
Misc : MS13684, MSJ548,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 07 15:57:21 2007 Results File: J060707T.RES

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







(60) BROMOFORM (m)

15.42min 30.06PPBV m

response 2112670

Ion	Exp%	Act%
173.00	100	100
175.00	48.90	0.00#
254.00	10.20	0.00
0.00	0.00	0.00

J10585.D J060707T.M Thu Jun 07 15:58:59 2007

J10586.D

Manual Integrations APPROVED (compounds with "m" flag)

Philip Bassignani 06/18/07 11:53

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10586.D
Acq On : 7 Jun 2007 3:51 pm
Operator : danat
Sample : ic548-40 (m109)
Misc : MS13684, MSJ548,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 07 16:28:58 2007
Quant Method : C:\MSDCHEM\1\METHODS\J060707T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jun 07 16:02:32 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	370314	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.45	114	1649653	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.68	117	1530293	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.31	95	520276	5.72	PPBV	0.01
Spiked Amount 5.000	Range 51 - 142		Recovery = 114.40%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.06	85	5506566	43.01	PPBV	99
3) PROPYLENE	3.99	41	953810	42.77	PPBV	97
4) FREON 114	4.32	85	5219925	44.46	PPBV	97
5) CHLOROMETHANE	4.22	50	1288539	41.48	PPBV	99
6) VINYL CHLORIDE	4.44	62	1615415	44.79	PPBV	98
7) 1,3-BUTADIENE	4.57	39	1127742	46.15	PPBV	95
8) BROMOMETHANE	4.85	94	1898818	46.48	PPBV	99
9) CHLOROETHANE	5.01	64	797515	48.91	PPBV	99
10) TRICHLOROFLUOROMETHANE	5.77	101	5899376	45.18	PPBV	100
11) ISOPROPYL ALCOHOL	5.99	45	2099386m	51.38	PPBV	
12) ACETONE	5.64	43	2016142	40.21	PPBV	99
13) PENTANE	6.12	42	1276832	41.05	PPBV	98
14) 1,1-DICHLOROETHYLENE	6.40	96	1931524	51.53	PPBV	93
15) CARBON DISULFIDE	6.83	76	4985551	42.86	PPBV	99
16) ETHANOL	5.21	45	382215	51.37	PPBV	71
17) BROMOETHENE	5.37	106	1964700	52.13	PPBV	99
18) METHYLENE CHLORIDE	6.53	84	1749905	43.15	PPBV	94
19) 3-CHLOROPROPENE	6.64	39	1269985	49.81	PPBV	95
20) FREON 113	6.77	151	4061818	48.53	PPBV	95
21) TRANS-1,2-DICHLOROETHYLENE	7.44	96	1879169	52.23	PPBV	94
22) TERTIARY BUTYL ALCOHOL	6.58	59	1741714	26.48	PPBV	96
23) METHYL TERTIARY BUTYL ETHE	7.72	73	4157607	56.26	PPBV	98
24) TETRAHYDROFURAN	9.16	42	1311481	54.42	PPBV	96
25) HEXANE	8.62	57	1884525	41.76	PPBV	95
26) VINYL ACETATE	7.79	43	2572486	54.81	PPBV	97
27) 1,1-DICHLOROETHANE	7.64	63	2953957	48.70	PPBV	99
28) METHYL ETHYL KETONE	8.07	43	2234297	52.05	PPBV	97
29) cis-1,2-DICHLOROETHYLENE	8.45	96	1879081	53.84	PPBV	96
30) ETHYL ACETATE	8.69	43	2446391	52.82	PPBV	99
31) CHLOROFORM	8.74	83	4018522	46.67	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.68	97	4653908	50.16	PPBV	99
33) CARBON TETRACHLORIDE	10.25	117	5533960	50.67	PPBV	99
34) 1,2-DICHLOROETHANE	9.45	62	2470131	52.67	PPBV	99
36) BENZENE	10.12	78	4837089	56.28	PPBV	100
37) CYCLOHEXANE	10.36	84	2139280	54.79	PPBV	96
38) TRICHLOROETHYLENE	11.12	95	2368140	51.64	PPBV	94
39) 1,2-DICHLOROPROPANE	10.90	63	1583943	53.27	PPBV	99
40) BROMODICHLOROMETHANE	11.10	83	4053697	52.01	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.12	57	6454898	50.34	PPBV	97
42) 1,4-DIOXANE	11.18	88	899668	43.79	PPBV	95
43) HEPTANE	11.36	43	2180959	51.85	PPBV	95

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10586.D
Acq On : 7 Jun 2007 3:51 pm
Operator : danat
Sample : ic548-40 (m109)
Misc : MS13684, MSJ548,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 07 16:28:58 2007
Quant Method : C:\MSDCHEM\1\METHODS\J060707T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jun 07 16:02:32 2007
Response via : Initial Calibration

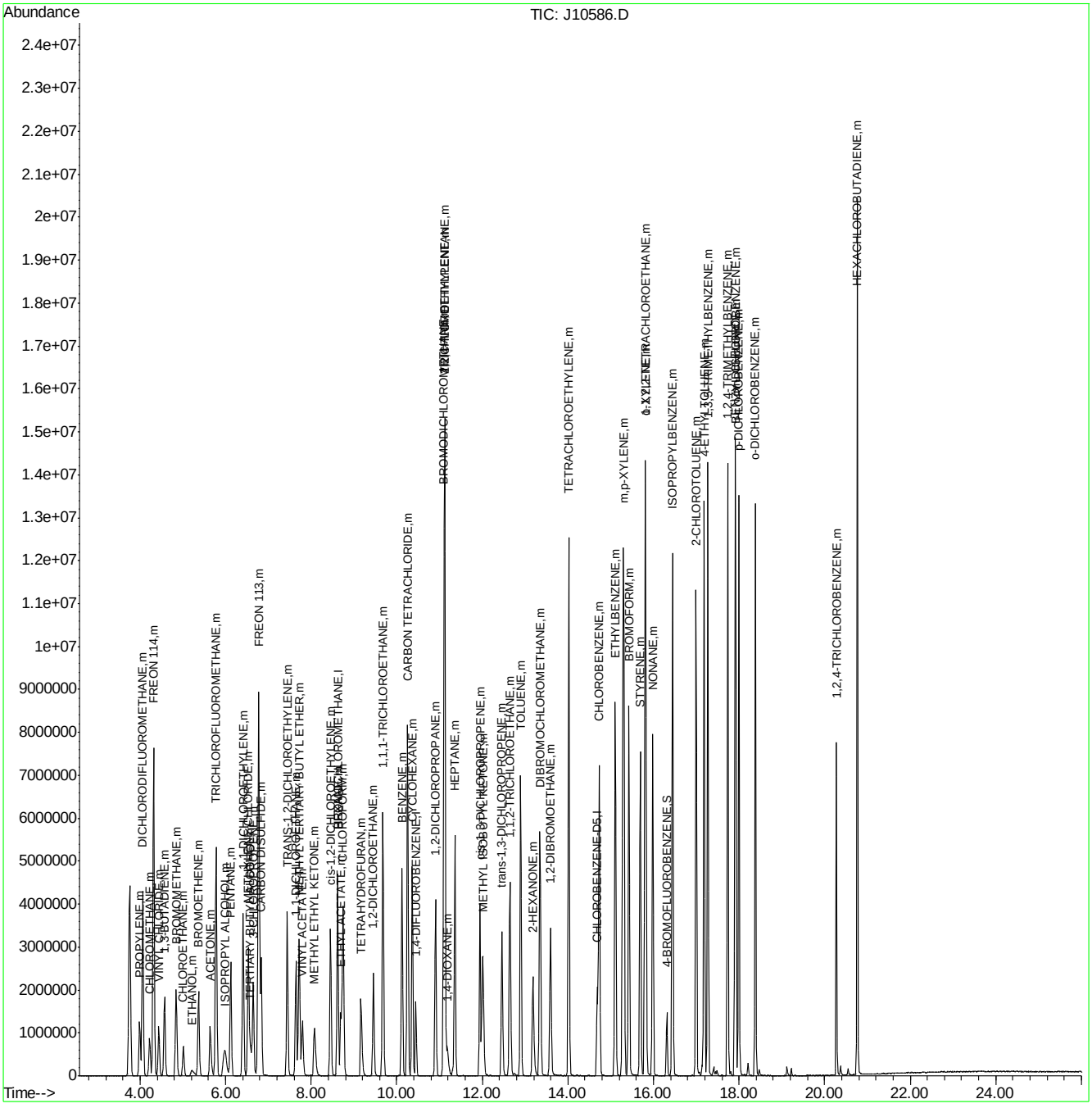
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.01	43	2898628	45.08	PPBV	97
45) cis-1,3-DICHLOROPROPENE	11.95	75	2598251	45.77	PPBV	99
46) TOLUENE	12.90	92	3571070	45.73	PPBV	100
47) trans-1,3-DICHLOROPROPENE	12.46	75	2568983	39.15	PPBV	98
48) 1,1,2-TRICHLOROETHANE	12.64	83	1723872	55.08	PPBV	100
50) 2-HEXANONE	13.18	43	2488622	45.33	PPBV	96
51) TETRACHLOROETHYLENE	14.02	164	3258131	57.55	PPBV	100
52) DIBROMOCHLOROMETHANE	13.35	129	4525133	56.84	PPBV	99
53) 1,2-DIBROMOETHANE	13.59	107	3436834m	62.82	PPBV	
54) CHLOROBENZENE	14.73	112	5130003	59.88	PPBV	98
55) ETHYLBENZENE	15.11	91	8057233	46.15	PPBV	99
56) m,p-XYLENE	15.30	106	6516820	92.32	PPBV	100
57) o-XYLENE	15.80	106	3351720	46.45	PPBV	97
58) STYRENE	15.69	104	4879823	38.30	PPBV	99
59) NONANE	15.98	43	3099225	42.71	PPBV	96
60) BROMOFORM	15.43	173	5141913	48.14	PPBV	100
62) 1,1,2,2-TETRACHLOROETHANE	15.82	83	4394440m	56.25	PPBV	
63) ISOPROPYLBENZENE	16.44	105	9696524	46.53	PPBV	99
64) 2-CHLOROTOLUENE	17.00	91	6886897	46.07	PPBV	97
65) 4-ETHYLTOLUENE	17.18	105	9352371	47.36	PPBV	97
66) 1,3,5-TRIMETHYLBENZENE	17.27	105	8402143	47.19	PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.74	105	8116398	48.09	PPBV	98
68) m-DICHLOROBENZENE	17.92	146	5994958	48.84	PPBV	99
69) BENZYL CHLORIDE	17.90	91	5034226	41.95	PPBV	98
70) p-DICHLOROBENZENE	18.00	146	5672977	48.65	PPBV	99
71) o-DICHLOROBENZENE	18.38	146	5496964	48.31	PPBV	100
72) HEXACHLOROBUTADIENE	20.76	225	3552393	55.47	PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.27	180	2163377	42.16	PPBV	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10586.D
Acq On : 7 Jun 2007 3:51 pm
Operator : danat
Sample : ic548-40 (m109)
Misc : MS13684, MSJ548,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 07 16:28:58 2007
Quant Method : C:\MSDCHEM\1\METHODS\J060707T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jun 07 16:02:32 2007
Response via : Initial Calibration

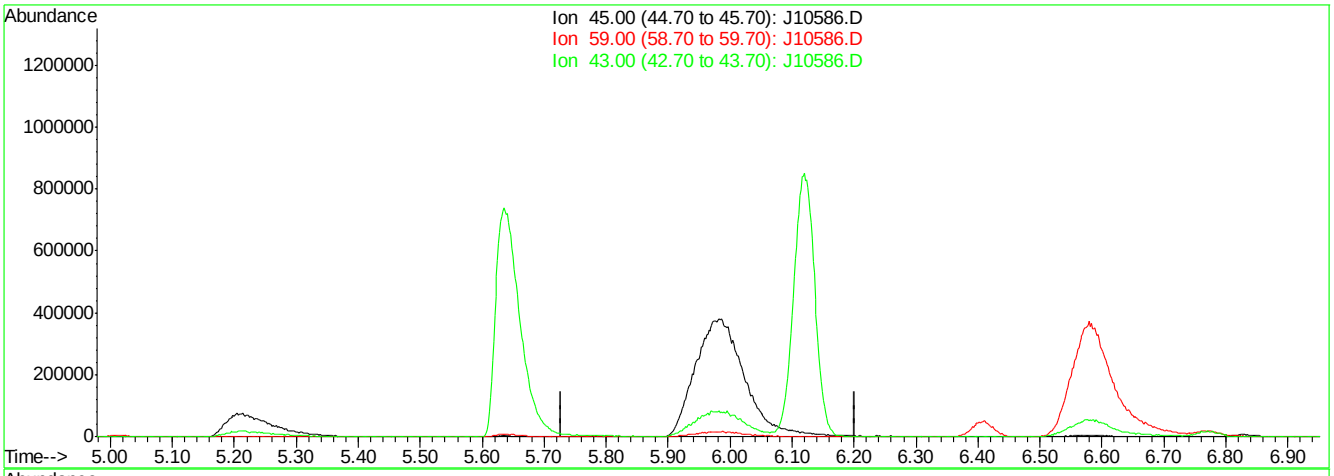


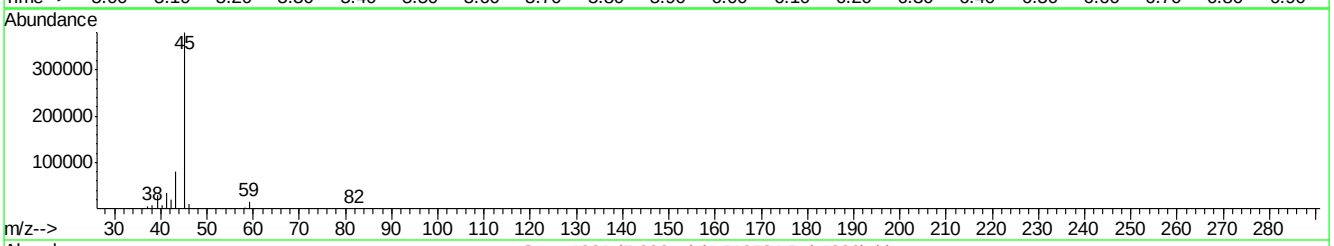
Quantitation Report (Qedit)

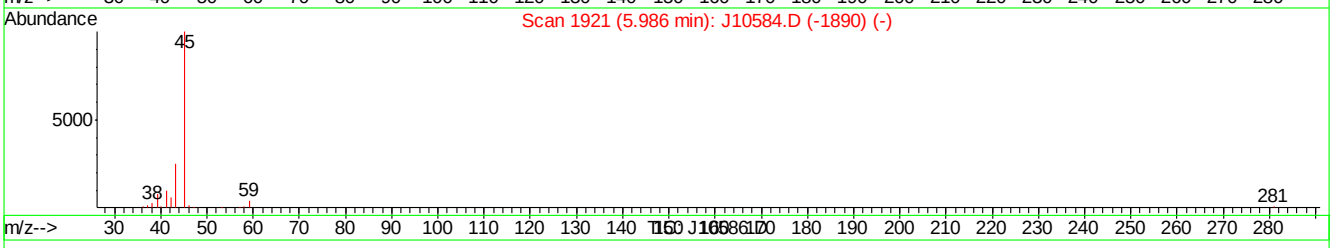
Data File : C:\MSDChem\1\data\J10586.D Vial: 2
Acq On : 7 Jun 2007 3:51 pm Operator: danat
Sample : ic548-40 (m109) Inst : MSJ
Misc : MS13684, MSJ548,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 07 16:27:22 2007 Results File: J060707T.RES

Method : C:\MSDCHEM\1\METHODS\J060707T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jun 07 16:02:32 2007
Response via : Multiple Level Calibration







(11) ISOPROPYL ALCOHOL (m)

5.99min 0.00PPBV

response 0

Ion	Exp%	Act%
45.00	100	0.00
59.00	4.00	0.00
43.00	24.90	0.00#
0.00	0.00	0.00

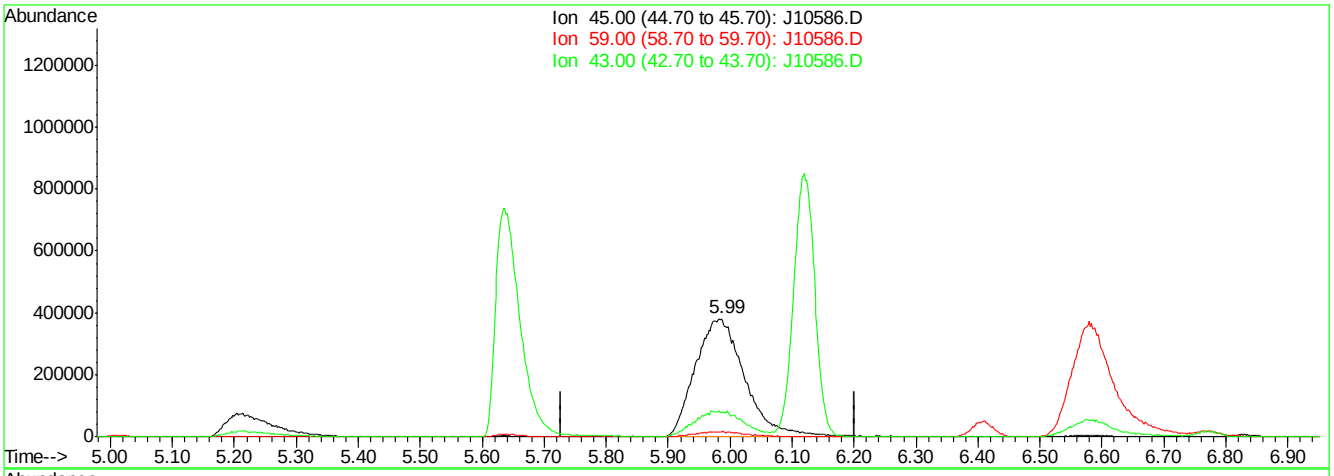
J10586.D J060707T.M Thu Jun 07 16:27:48 2007

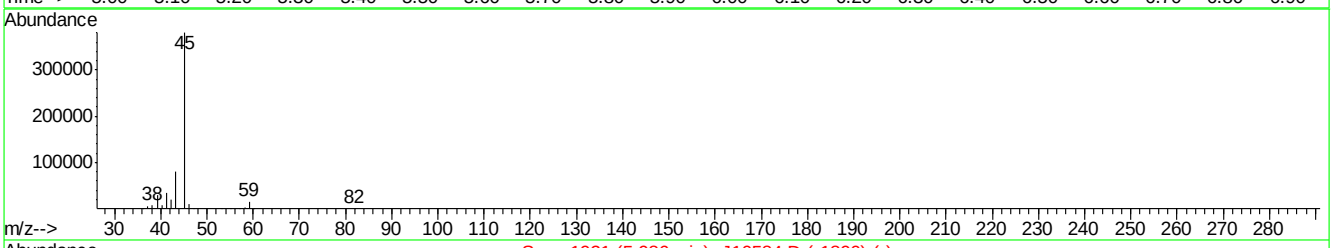
Quantitation Report (Qedit)

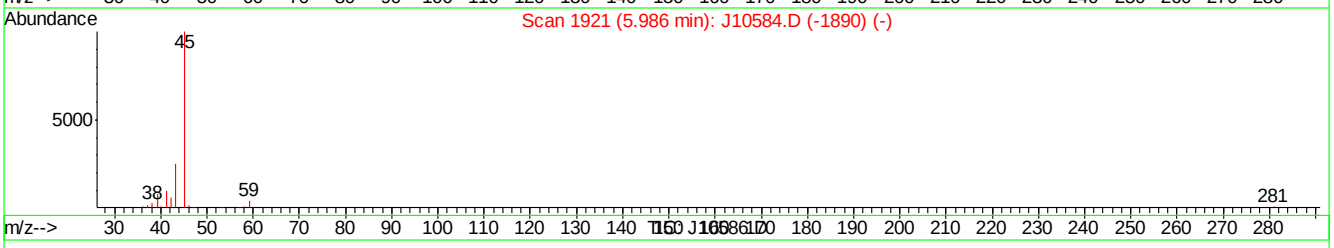
Data File : C:\MSDChem\1\data\J10586.D Vial: 2
Acq On : 7 Jun 2007 3:51 pm Operator: danat
Sample : ic548-40 (m109) Inst : MSJ
Misc : MS13684, MSJ548,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 07 16:27:22 2007 Results File: J060707T.RES

Method : C:\MSDCHEM\1\METHODS\J060707T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jun 07 16:02:32 2007
Response via : Multiple Level Calibration







(11) ISOPROPYL ALCOHOL (m)

5.99min 51.38PPBV m

response 2099386

Ion	Exp%	Act%
45.00	100	100
59.00	4.00	3.95
43.00	24.90	21.12
0.00	0.00	0.00

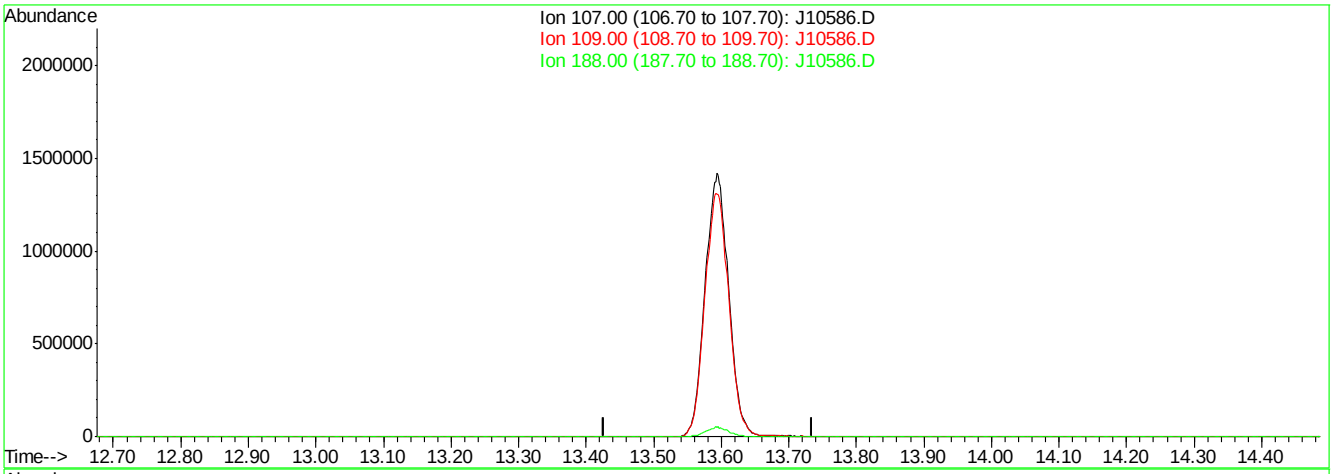
J10586.D J060707T.M Thu Jun 07 16:27:53 2007

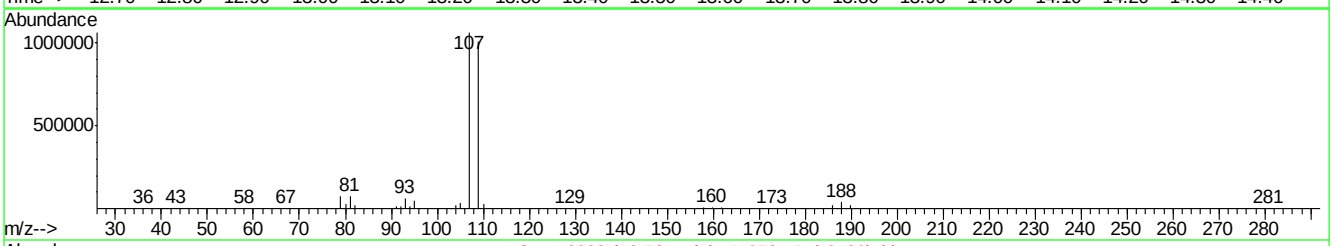
Quantitation Report (Qedit)

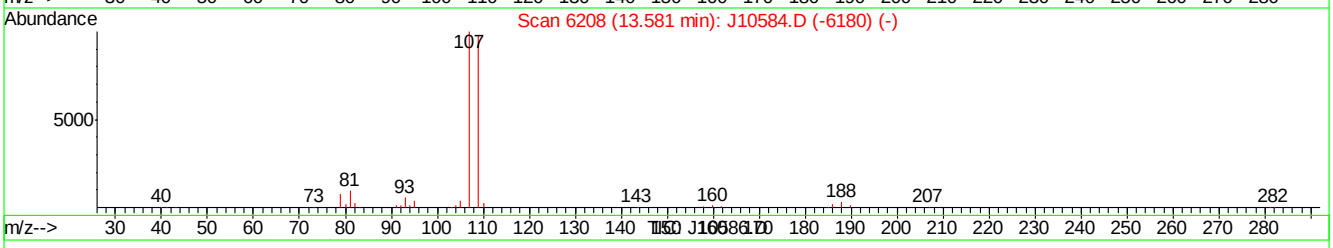
Data File : C:\MSDChem\1\data\J10586.D Vial: 2
Acq On : 7 Jun 2007 3:51 pm Operator: danat
Sample : ic548-40 (m109) Inst : MSJ
Misc : MS13684, MSJ548,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 07 16:27:22 2007 Results File: J060707T.RES

Method : C:\MSDCHEM\1\METHODS\J060707T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jun 07 16:02:32 2007
Response via : Multiple Level Calibration







(53) 1,2-DIBROMOETHANE (m)

13.58min 0.00PPBV

response 0

Ion	Exp%	Act%
107.00	100	0.00
109.00	94.40	0.00#
188.00	3.30	0.00
0.00	0.00	0.00

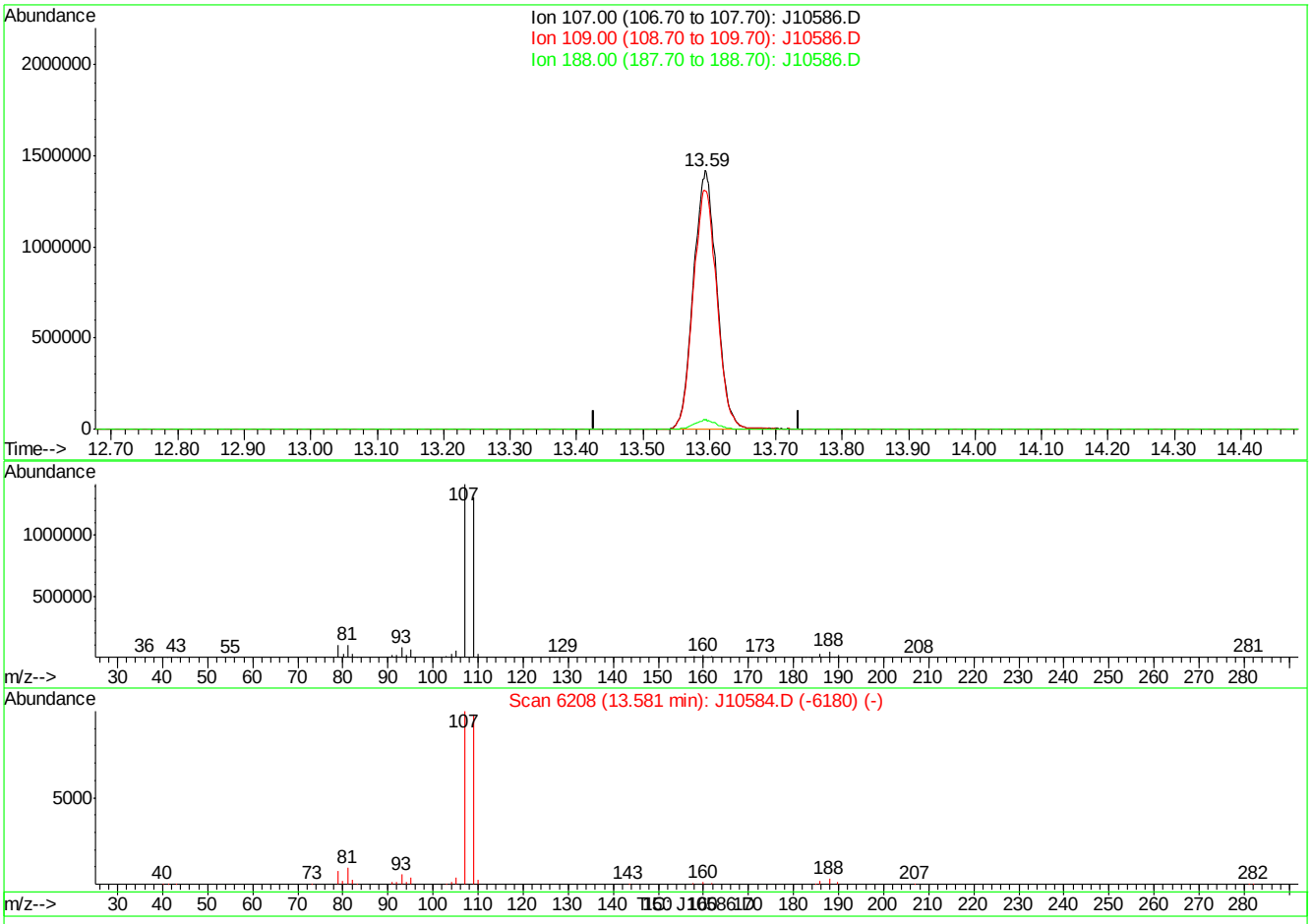
J10586.D J060707T.M Thu Jun 07 16:28:30 2007

Quantitation Report (Qedit)

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

Quant Time: Jun 07 16:27:22 2007 Results File: J060707T.RES

Method : C:\MSDCHEM\1\METHODS\J060707T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jun 07 16:02:32 2007
Response via : Multiple Level Calibration



(53) 1,2-DIBROMOETHANE (m)

13.59min 62.82PPBV m

response 3436834

Ion	Exp%	Act%
107.00	100	100
109.00	94.40	0.00#
188.00	3.30	0.00
0.00	0.00	0.00

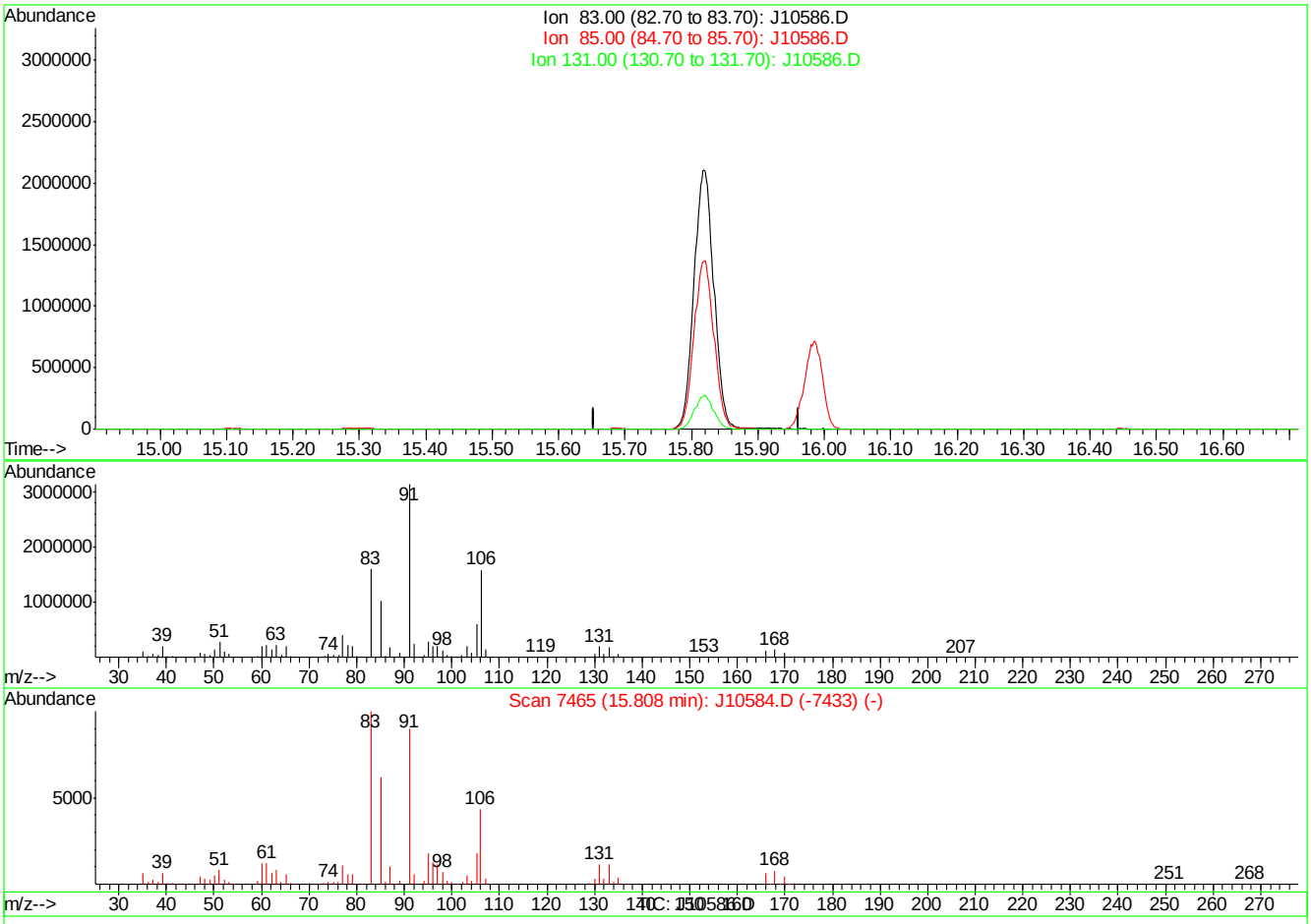
J10586.D J060707T.M Thu Jun 07 16:28:34 2007

Quantitation Report (Qedit)

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

Quant Time: Jun 07 16:27:22 2007 Results File: J060707T.RES

Method : C:\MSDCHEM\1\METHODS\J060707T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jun 07 16:02:32 2007
Response via : Multiple Level Calibration



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

15.81min 0.00PPBV

response 0

Ion	Exp%	Act%
83.00	100	0.00
85.00	64.40	0.00#
131.00	11.80	0.00
0.00	0.00	0.00

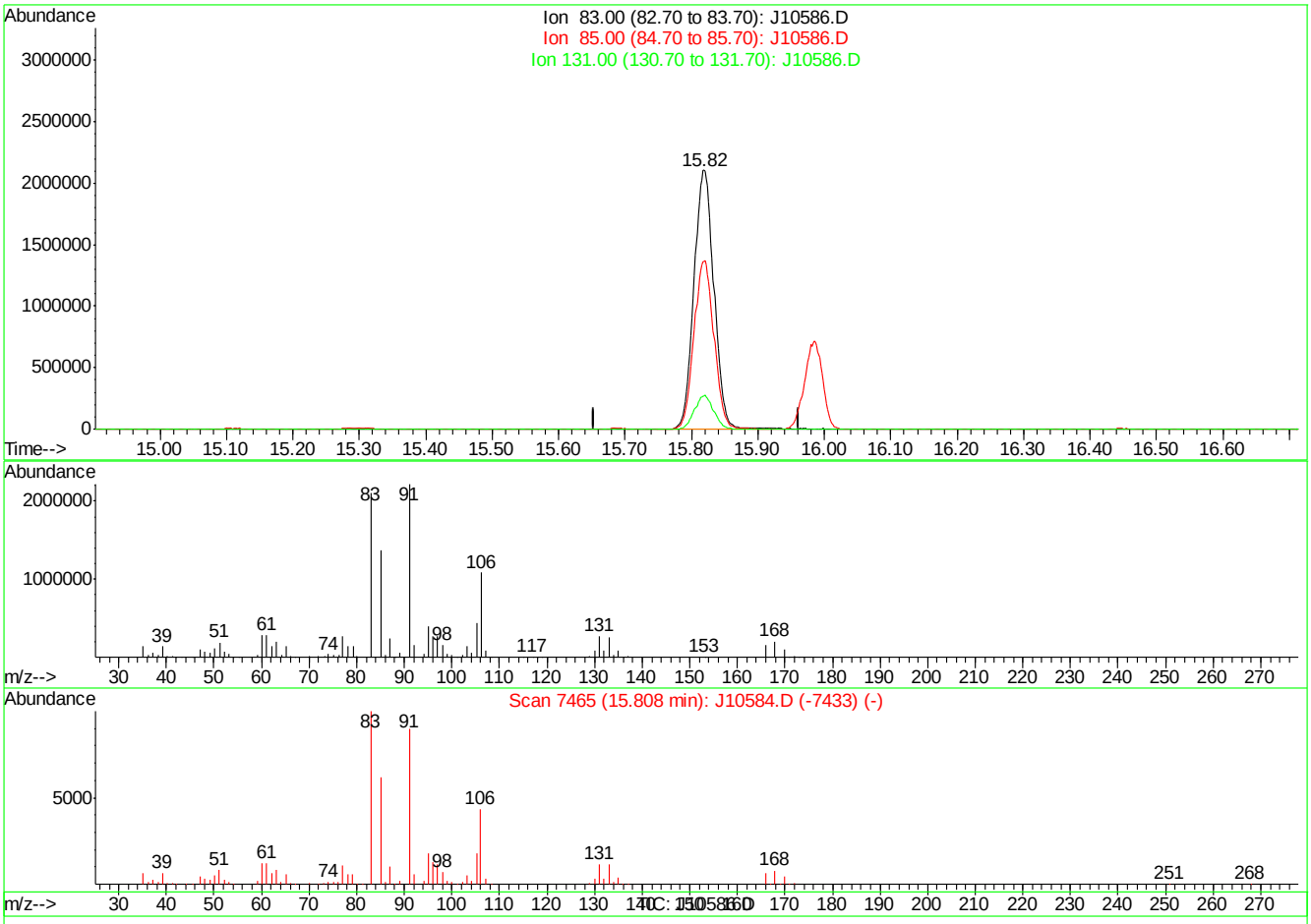
J10586.D J060707T.M Thu Jun 07 16:28:43 2007

Quantitation Report (Qedit)

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

Quant Time: Jun 07 16:27:22 2007 Results File: J060707T.RES

Method : C:\MSDCHEM\1\METHODS\J060707T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jun 07 16:02:32 2007
Response via : Multiple Level Calibration



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

15.82min 56.25PPBV m

response 4394440

Ion	Exp%	Act%
83.00	100	100
85.00	64.40	0.00#
131.00	11.80	0.00
0.00	0.00	0.00

J10586.D J060707T.M Thu Jun 07 16:28:48 2007

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10587.D
Acq On : 7 Jun 2007 4:48 pm
Operator : danat
Sample : icv548-10 (m179)
Misc : MS13684, MSJ548,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 08 15:31:01 2007
Quant Method : C:\MSDCHEM\1\METHODS\J060707T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jun 07 16:30:04 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.63	128	350642	10.00	PPBV	0.01
35) 1,4-DIFLUOROBENZENE	10.45	114	1587599	10.00	PPBV	0.01
49) CHLOROBENZENE-D5	14.68	117	1421456	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.30	95	450609	5.22	PPBV	0.00
Spiked Amount 5.000	Range 51 - 142		Recovery = 104.40%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.08	85	1426547	11.64	PPBV	99
3) PROPYLENE	4.01	41	248562	11.66	PPBV	99
4) FREON 114	4.34	85	1259333	11.15	PPBV	97
5) CHLOROMETHANE	4.25	50	333857	11.29	PPBV	95
6) VINYL CHLORIDE	4.46	62	402842	11.60	PPBV	98
7) 1,3-BUTADIENE	4.59	39	257681	10.90	PPBV	95
8) BROMOMETHANE	4.87	94	471517	11.91	PPBV	99
9) CHLOROETHANE	5.04	64	178112	11.18	PPBV	99
10) TRICHLOROFLUOROMETHANE	5.80	101	1379319	10.95	PPBV	100
11) ISOPROPYL ALCOHOL	6.00	45	454536	11.29	PPBV	96
12) ACETONE	5.68	43	394366	8.30	PPBV	98
13) PENTANE	6.15	42	315604	10.68	PPBV	98
14) 1,1-DICHLOROETHYLENE	6.43	96	419509	11.35	PPBV	93
15) CARBON DISULFIDE	6.86	76	1189650	10.69	PPBV	98
16) ETHANOL	5.25	45	76176	10.32	PPBV	94
17) BROMOETHENE	5.39	106	463711	12.45	PPBV	99
18) METHYLENE CHLORIDE	6.56	84	381515	9.44	PPBV	95
19) 3-CHLOROPROPENE	6.67	39	269309	10.78	PPBV	98
20) FREON 113	6.80	151	859659	10.53	PPBV	97
21) TRANS-1,2-DICHLOROETHYLENE	7.46	96	394964	11.11	PPBV	96
22) TERTIARY BUTYL ALCOHOL	6.61	59	624900	9.47	PPBV	91
23) METHYL TERTIARY BUTYL ETHE	7.75	73	812344	10.97	PPBV	98
24) TETRAHYDROFURAN	9.20	42	245395	10.14	PPBV	99
25) HEXANE	8.64	57	418623	9.68	PPBV	96
26) VINYL ACETATE	7.81	43	480449	10.18	PPBV	98
27) 1,1-DICHLOROETHANE	7.67	63	611703	10.33	PPBV	100
28) METHYL ETHYL KETONE	8.09	43	460474	10.86	PPBV	96
29) cis-1,2-DICHLOROETHYLENE	8.47	96	372588	10.74	PPBV	98
30) ETHYL ACETATE	8.71	43	474514	10.35	PPBV	100
31) CHLOROFORM	8.76	83	828580	9.93	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.69	97	929020	10.21	PPBV	99
33) CARBON TETRACHLORIDE	10.26	117	1176378	10.96	PPBV	99
34) 1,2-DICHLOROETHANE	9.46	62	461884	9.95	PPBV	99
36) BENZENE	10.13	78	886567	10.13	PPBV	99
37) CYCLOHEXANE	10.38	84	459986	11.63	PPBV	97
38) TRICHLOROETHYLENE	11.12	95	469670	10.22	PPBV	98
39) 1,2-DICHLOROPROPANE	10.91	63	296199	9.88	PPBV	99
40) BROMODICHLOROMETHANE	11.10	83	756495	9.67	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.13	57	1422990	11.12	PPBV	99
42) 1,4-DIOXANE	11.20	88	186147	9.91	PPBV	90
43) HEPTANE	11.37	43	435119	10.31	PPBV	98

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10587.D
Acq On : 7 Jun 2007 4:48 pm
Operator : danat
Sample : icv548-10 (m179)
Misc : MS13684, MSJ548,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 08 15:31:01 2007
Quant Method : C:\MSDCHEM\1\METHODS\J060707T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jun 07 16:30:04 2007
Response via : Initial Calibration

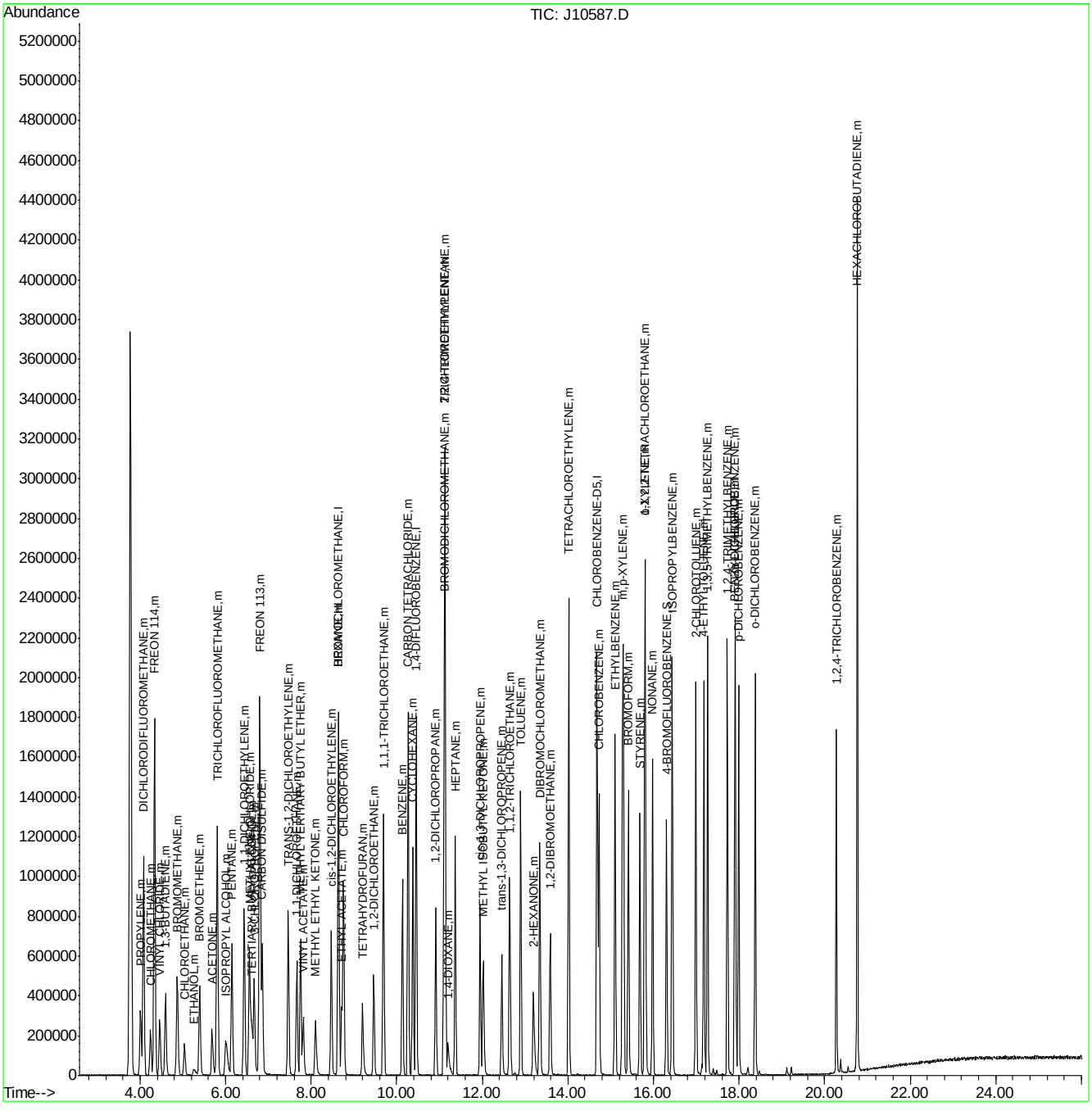
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.02	43	512900	8.29	PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.95	75	483552	8.84	PPBV	97
46) TOLUENE	12.90	92	622578	8.27	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.45	75	382630	8.28	PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.64	83	320127	10.09	PPBV	99
50) 2-HEXANONE	13.20	43	446755	8.77	PPBV	97
51) TETRACHLOROETHYLENE	14.02	164	583651	10.44	PPBV	99
52) DIBROMOCHLOROMETHANE	13.34	129	800412	10.21	PPBV	100
53) 1,2-DIBROMOETHANE	13.59	107	597096	8.57	PPBV	99
54) CHLOROBENZENE	14.73	112	892341	10.47	PPBV	100
55) ETHYLBENZENE	15.10	91	1366588	8.36	PPBV	100
56) m,p-XYLENE	15.29	106	1118411	16.94	PPBV	98
57) o-XYLENE	15.80	106	555234	8.23	PPBV	99
58) STYRENE	15.68	104	738273	9.16	PPBV	99
59) NONANE	15.98	43	568795	8.51	PPBV	99
60) BROMOFORM	15.41	173	807903	8.05	PPBV	100
62) 1,1,2,2-TETRACHLOROETHANE	15.81	83	756785	9.86	PPBV	99
63) ISOPROPYLBENZENE	16.44	105	1634872	8.38	PPBV	99
64) 2-CHLOROTOLUENE	16.99	91	1131519	8.22	PPBV	99
65) 4-ETHYLTOLUENE	17.18	105	1329590	7.49	PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.26	105	1280436	7.82	PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.73	105	1200134	7.77	PPBV	100
68) m-DICHLOROBENZENE	17.91	146	872483	7.75	PPBV	100
69) BENZYL CHLORIDE	17.90	91	727079	9.05	PPBV	100
70) p-DICHLOROBENZENE	17.99	146	834408	7.85	PPBV	100
71) o-DICHLOROBENZENE	18.38	146	845184	8.03	PPBV	99
72) HEXACHLOROBUTADIENE	20.76	225	750052	11.95	PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.27	180	469259	12.03	PPBV	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10587.D
Acq On : 7 Jun 2007 4:48 pm
Operator : danat
Sample : icv548-10 (m179)
Misc : MS13684, MSJ548,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 08 15:31:01 2007
Quant Method : C:\MSDCHEM\1\METHODS\J060707T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jun 07 16:30:04 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10618.D
Acq On : 12 Jun 2007 11:01 am
Operator : danat
Sample : cc548-10 (m057)
Misc : MS13724, MSJ550,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 14 09:42:54 2007
Quant Method : C:\MSDCHEM\1\METHODS\J060707T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jun 12 11:28:25 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	408744	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.45	114	1580558	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.67	117	1378221	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.30	95	444363	5.31	PPBV	0.00
Spiked Amount 5.000	Range 51 - 142		Recovery = 106.20%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.07	85	1617433	11.32	PPBV	100
3) PROPYLENE	4.00	41	286116	11.51	PPBV	99
4) FREON 114	4.33	85	1357948	10.31	PPBV	100
5) CHLOROMETHANE	4.23	50	381770	11.08	PPBV	97
6) VINYL CHLORIDE	4.45	62	433505	10.71	PPBV	99
7) 1,3-BUTADIENE	4.58	39	296939	10.77	PPBV	99
8) BROMOMETHANE	4.86	94	473594	10.26	PPBV	98
9) CHLOROETHANE	5.03	64	209426	11.28	PPBV	100
10) TRICHLOROFLUOROMETHANE	5.80	101	1482892	10.10	PPBV	100
11) ISOPROPYL ALCOHOL	5.97	45	424849	9.05	PPBV	95
12) ACETONE	5.67	43	382342	6.90	PPBV	99
13) PENTANE	6.14	42	357630	10.38	PPBV	99
14) 1,1-DICHLOROETHYLENE	6.43	96	433669	10.07	PPBV	99
15) CARBON DISULFIDE	6.85	76	1295554	9.99	PPBV	99
16) ETHANOL	5.24	45	72282	8.40	PPBV	76
17) BROMOETHENE	5.39	106	454527	10.47	PPBV	99
18) METHYLENE CHLORIDE	6.55	84	397551	8.45	PPBV	99
19) 3-CHLOROPROPENE	6.66	39	306499	10.52	PPBV	97
20) FREON 113	6.79	151	890274	9.35	PPBV	99
21) TRANS-1,2-DICHLOROETHYLENE	7.46	96	419863	10.13	PPBV	100
22) TERTIARY BUTYL ALCOHOL	6.57	59	542683	9.13	PPBV	92
23) METHYL TERTIARY BUTYL ETHE	7.74	73	685048	7.94	PPBV	99
24) TETRAHYDROFURAN	9.18	42	229325	8.13	PPBV	97
25) HEXANE	8.64	57	431107	8.58	PPBV	99
26) VINYL ACETATE	7.81	43	446950	8.13	PPBV	98
27) 1,1-DICHLOROETHANE	7.66	63	688702	9.98	PPBV	99
28) METHYL ETHYL KETONE	8.08	43	425857	8.62	PPBV	98
29) cis-1,2-DICHLOROETHYLENE	8.46	96	387644	9.59	PPBV	99
30) ETHYL ACETATE	8.70	43	440226	8.23	PPBV	100
31) CHLOROFORM	8.75	83	907766	9.33	PPBV	100
32) 1,1,1-TRICHLOROETHANE	9.68	97	1067404	10.06	PPBV	99
33) CARBON TETRACHLORIDE	10.26	117	1280861	10.24	PPBV	99
34) 1,2-DICHLOROETHANE	9.46	62	485651	8.98	PPBV	100
36) BENZENE	10.13	78	945107	10.85	PPBV	100
37) CYCLOHEXANE	10.37	84	479327	12.17	PPBV	98
38) TRICHLOROETHYLENE	11.12	95	476679	10.42	PPBV	99
39) 1,2-DICHLOROPROPANE	10.90	63	309604	10.38	PPBV	99
40) BROMODICHLOROMETHANE	11.09	83	788503	10.12	PPBV	100
41) 2,2,4-TRIMETHYLPENTANE	11.12	57	1697345	13.32	PPBV	99
42) 1,4-DIOXANE	11.18	88	153834	8.48	PPBV	95
43) HEPTANE	11.36	43	492571	11.73	PPBV	99

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10618.D
Acq On : 12 Jun 2007 11:01 am
Operator : danat
Sample : cc548-10 (m057)
Misc : MS13724, MSJ550,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 14 09:42:54 2007
Quant Method : C:\MSDCHEM\1\METHODS\J060707T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jun 12 11:28:25 2007
Response via : Initial Calibration

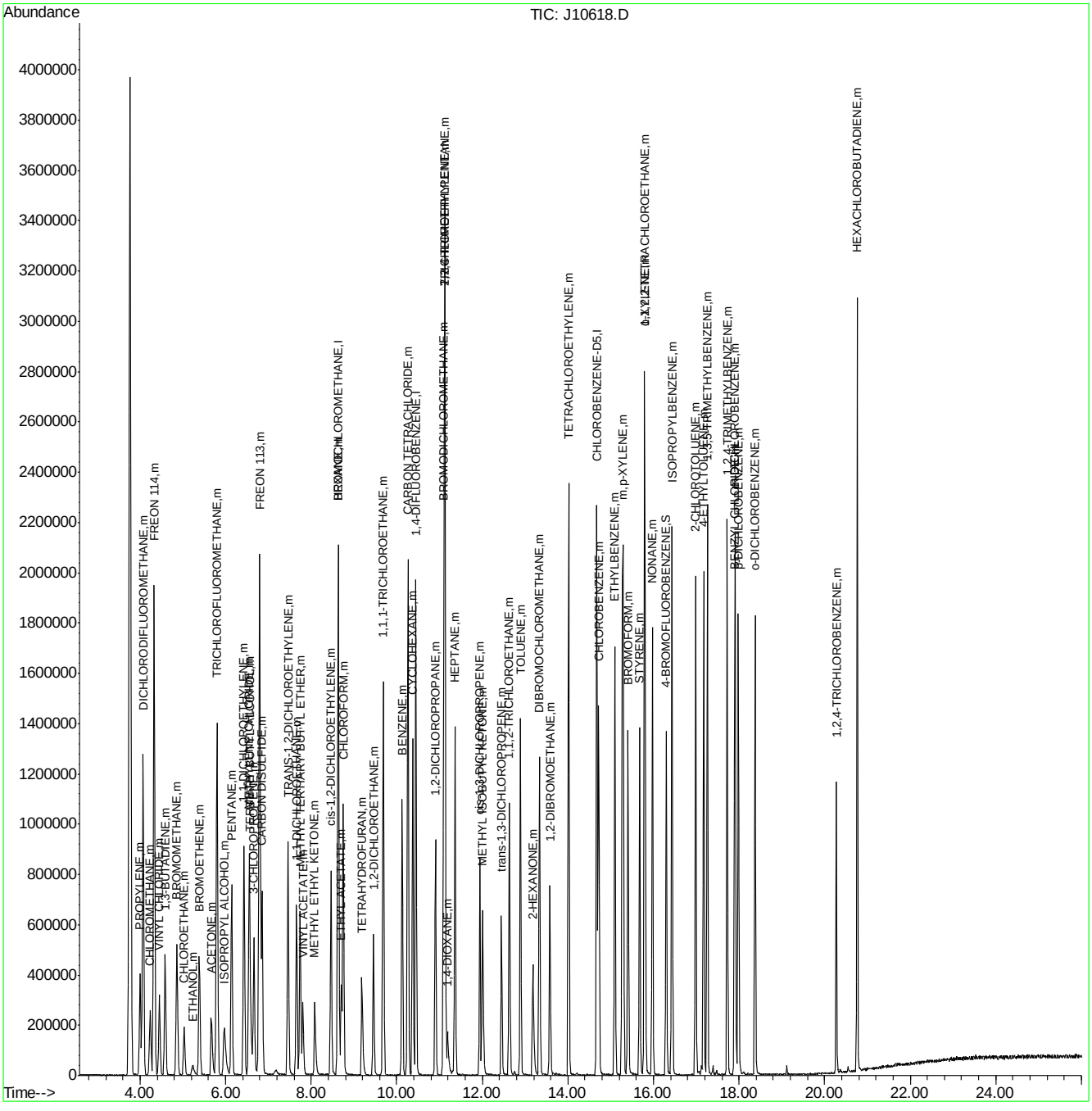
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.01	43	513926	8.34	PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.94	75	444716	8.25	PPBV	100
46) TOLUENE	12.89	92	590038	7.92	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.45	75	347505	7.65	PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.63	83	311655	9.86	PPBV	100
50) 2-HEXANONE	13.18	43	401774	8.21	PPBV	99
51) TETRACHLOROETHYLENE	14.02	164	538901	9.95	PPBV	99
52) DIBROMOCHLOROMETHANE	13.33	129	772217	10.16	PPBV	100
53) 1,2-DIBROMOETHANE	13.58	107	543361	10.20	PPBV	100
54) CHLOROBENZENE	14.72	112	840912	10.18	PPBV	98
55) ETHYLBENZENE	15.09	91	1254881	7.98	PPBV	100
56) m,p-XYLENE	15.29	106	1035942	16.28	PPBV	96
57) o-XYLENE	15.79	106	521676	8.01	PPBV	98
58) STYRENE	15.68	104	686424	8.84	PPBV	99
59) NONANE	15.97	43	620840	9.50	PPBV	98
60) BROMOFORM	15.41	173	738262	7.66	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.80	83	747013	10.03	PPBV	99
63) ISOPROPYLBENZENE	16.43	105	1535056	8.15	PPBV	100
64) 2-CHLOROTOLUENE	16.98	91	1075799	8.09	PPBV	99
65) 4-ETHYLTOLUENE	17.17	105	1251146	7.31	PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.26	105	1208411	7.64	PPBV	98
67) 1,2,4-TRIMETHYLBENZENE	17.72	105	1105065	7.45	PPBV	100
68) m-DICHLOROBENZENE	17.91	146	806551	7.46	PPBV	100
69) BENZYL CHLORIDE	17.89	91	600145	7.91	PPBV	99
70) p-DICHLOROBENZENE	17.98	146	754949	7.43	PPBV	100
71) o-DICHLOROBENZENE	18.37	146	720540	7.23	PPBV	100
72) HEXACHLOROBUTADIENE	20.76	225	510845	8.39	PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.27	180	306033	8.58	PPBV	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10618.D
Acq On : 12 Jun 2007 11:01 am
Operator : danat
Sample : cc548-10 (m057)
Misc : MS13724, MSJ550,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 14 09:42:54 2007
Quant Method : C:\MSDCHEM\1\METHODS\J060707T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jun 12 11:28:25 2007
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
05/31/07 11:31

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3559.D
Acq On : 30 May 2007 11:43 am
Operator : PhilipB
Sample : IC193-5 (M017)
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 30 16:45:54 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 11:28:58 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.431	128	65421	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.348	114	316555	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.696	117	271144	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.332	95	152968	5.29	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 105.80%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	3.609	85	214621	6.35	PPBV	83
3) PROPYLENE	3.538	41	40973	6.51	PPBV	95
4) FREON 114	3.875	85	160349	5.86	PPBV #	100
5) CHLOROMETHANE	3.776	50	52417	6.32	PPBV	98
6) VINYL CHLORIDE	3.999	62	45417	5.94	PPBV	74
7) 1,3-BUTADIENE	4.138	39	57891	6.43	PPBV #	100
8) BROMOMETHANE	4.418	94	41211	5.75	PPBV #	100
9) CHLOROETHANE	4.592	64	19431	6.05	PPBV #	100
10) TRICHLOROFLUOROMETHANE	5.409	101	209414	6.47	PPBV #	100
11) ISOPROPYL ALCOHOL	5.460	45	104283	10.59	PPBV	91
12) ACETONE	5.208	43	122388	6.69	PPBV	84
13) PENTANE	5.787	42	53087	6.51	PPBV #	100
14) 1,1-DICHLOROETHYLENE	6.081	96	37939	6.08	PPBV #	1
15) CARBON DISULFIDE	6.541	76	99750	5.88	PPBV #	41
16) ETHANOL	4.695	45	16812	6.92	PPBV #	100
17) BROMOETHENE	4.961	106	39273	5.88	PPBV #	100
18) METHYLENE CHLORIDE	6.207	84	37593	6.42	PPBV #	1
19) 3-CHLOROPROPENE	6.333	39	67434	6.60	PPBV #	1
20) FREON 113	6.484	151	70304	5.96	PPBV #	100
21) TRANS-1,2-DICHLOROETHY...	7.196	96	38999	6.19	PPBV #	100
22) TERTIARY BUTYL ALCOHOL	6.110	59	120582	13.66	PPBV #	100
23) METHYL TERTIARY BUTYL ...	7.460	73	126778	6.13	PPBV #	100
24) TETRAHYDROFURAN	8.969	42	56005	6.31	PPBV #	100
25) HEXANE	8.466	57	57246	6.59	PPBV #	100
26) VINYL ACETATE	7.549	43	149277	6.92	PPBV	89
27) 1,1-DICHLOROETHANE	7.405	63	98811	6.45	PPBV #	100
28) METHYL ETHYL KETONE	7.808	43	123328	6.46	PPBV	88
29) cis-1,2-DICHLOROETHYLENE	8.259	96	31320	6.04	PPBV #	100
30) ETHYL ACETATE	8.474	43	192928	6.63	PPBV	100
31) CHLOROFORM	8.562	83	118324	6.42	PPBV #	100
32) 1,1,1-TRICHLOROETHANE	9.556	97	136442	6.18	PPBV	88
33) CARBON TETRACHLORIDE	10.170	117	147789	6.01	PPBV	97
34) 1,2-DICHLOROETHANE	9.304	62	116687	6.51	PPBV	98
36) BENZENE	10.019	78	86074	6.13	PPBV	84
37) CYCLOHEXANE	10.287	84	33237	6.27	PPBV #	49
38) TRICHLOROETHYLENE	11.056	95	56240	6.21	PPBV #	77
39) 1,2-DICHLOROPROPANE	10.822	63	40580	6.26	PPBV	85
40) BROMODICHLOROMETHANE	11.017	83	122686	6.14	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.077	57	188514	6.20	PPBV	96
42) 1,4-DIOXANE	11.051	88	15664	6.60	PPBV #	1
43) HEPTANE	11.327	43	92420	6.47	PPBV #	74

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3559.D
Acq On : 30 May 2007 11:43 am
Operator : PhilipB
Sample : IC193-5 (M017)
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 30 16:45:54 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 11:28:58 2007
Response via : Initial Calibration

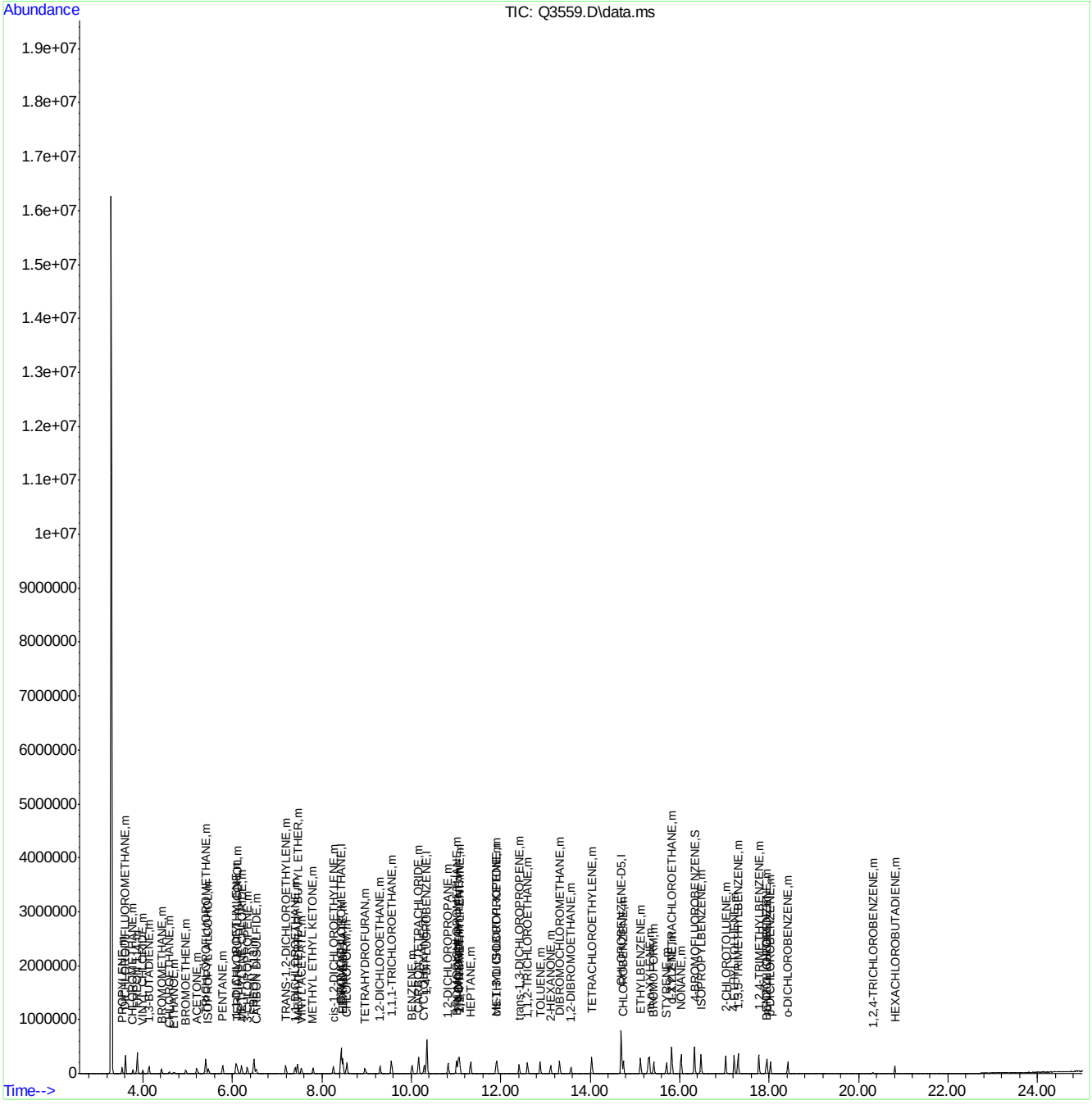
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.920	43	134775	8.10	PPBV	87
45) cis-1,3-DICHLOROPROPENE	11.902	75	62031	6.07	PPBV #	61
46) TOLUENE	12.882	92	62857	5.82	PPBV	97
47) trans-1,3-DICHLOROPROPENE	12.415	75	63419	5.80	PPBV #	99
48) 1,1,2-TRICHLOROETHANE	12.596	83	36686	5.92	PPBV	95
50) 2-HEXANONE	13.118	43	112664	11.22	PPBV	86
51) TETRACHLOROETHYLENE	14.037	164	38987	5.53	PPBV #	81
52) DIBROMOCHLOROMETHANE	13.320	129	98486	5.82	PPBV	99
53) 1,2-DIBROMOETHANE	13.567	107	69888	6.10	PPBV	99
54) CHLOROBENZENE	14.744	112	81185	6.11	PPBV	83
55) ETHYLBENZENE	15.129	91	164879	6.18	PPBV	93
56) m,p-XYLENE	15.321	106	109447m	11.65	PPBV	
57) o-XYLENE	15.832	106	57356	5.62	PPBV #	76
58) STYRENE	15.709	104	68116	5.82	PPBV	89
59) NONANE	16.034	43	142701	6.65	PPBV	83
60) BROMOFORM	15.424	173	73369	5.31	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.814	83	85787	9.23	PPBV	97
63) ISOPROPYLBENZENE	16.480	105	187259	5.72	PPBV	92
64) 2-CHLOROTOLUENE	17.032	91	146716	6.31	PPBV	85
65) 4-ETHYLTOLUENE	17.223	105	167794	6.29	PPBV	93
66) 1,3,5-TRIMETHYLBENZENE	17.308	105	161474	7.25	PPBV	91
67) 1,2,4-TRIMETHYLBENZENE	17.772	105	145275	8.44	PPBV	92
68) m-DICHLOROBENZENE	17.954	146	62522	8.77	PPBV	91
69) BENZYL CHLORIDE	17.933	91	74411m	9.89	PPBV	
70) p-DICHLOROBENZENE	18.029	146	58754	9.28	PPBV	94
71) o-DICHLOROBENZENE	18.416	146	55286	10.07	PPBV	90
72) HEXACHLOROBUTADIENE	20.810	225	13029	9.26	PPBV	95
73) 1,2,4-TRICHLOROBENZENE	20.324	180	4357	7.54	PPBV	92

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3559.D
Acq On : 30 May 2007 11:43 am
Operator : PhilipB
Sample : IC193-5 (M017)
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 30 16:45:54 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 11:28:58 2007
Response via : Initial Calibration

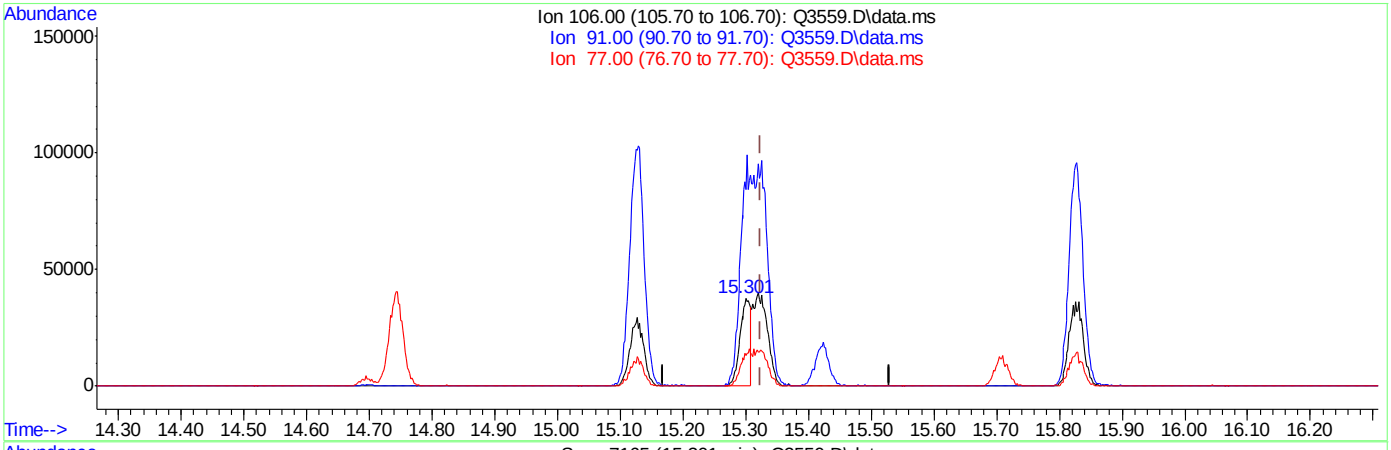


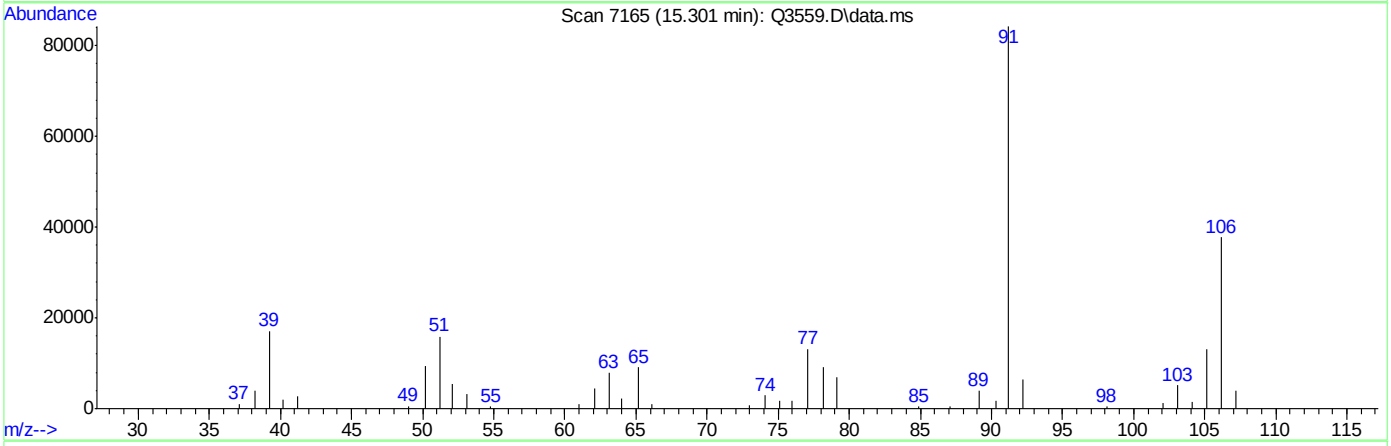
Q052107T.m Wed May 30 16:47:41 2007 RPT1 Page: 3

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3559.D
Acq On : 30 May 2007 11:43 am
Operator : PhilipB
Sample : IC193-5 (M017)
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 30 12:30:41 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 11:28:58 2007
Response via : Initial Calibration





TIC: Q3559.D\data.ms

(56) m,p-XYLENE (m)

15.301min (-0.023) 4.72PPBV

response 44331

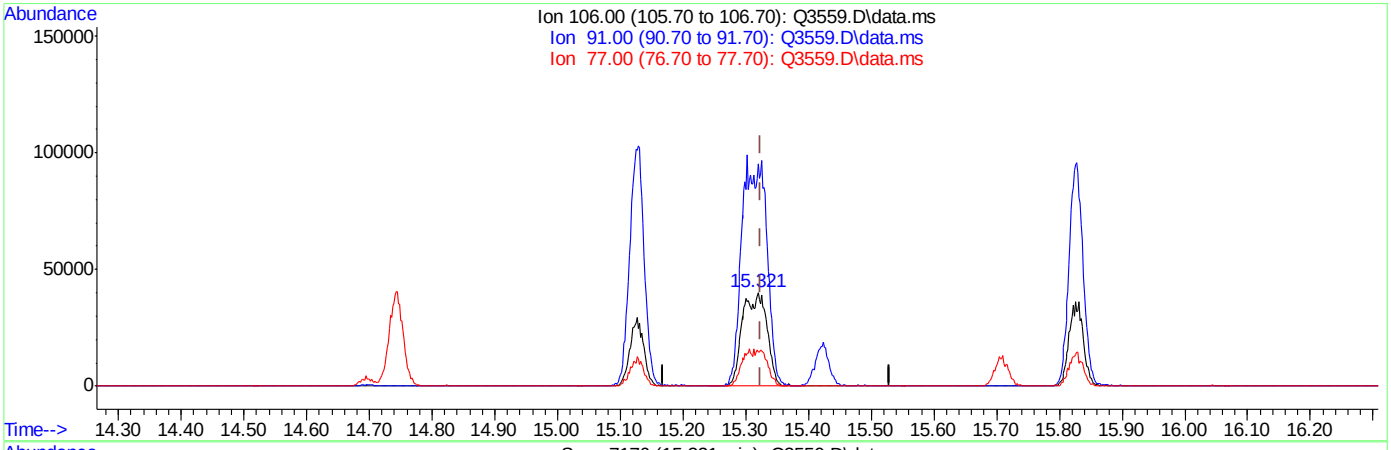
Ion	Exp%	Act%
106.00	100	100
91.00	204.20	223.05
77.00	30.60	34.83
0.00	0.00	0.00

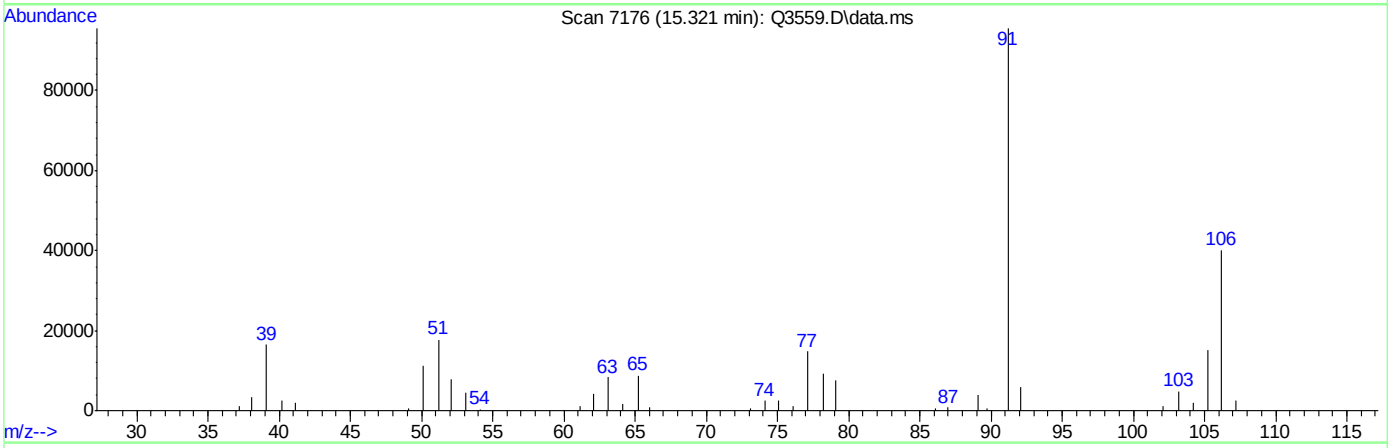
ACCUTEST Laboratories M65404

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3559.D
Acq On : 30 May 2007 11:43 am
Operator : PhilipB
Sample : IC193-5 (M017)
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 30 12:30:41 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 11:28:58 2007
Response via : Initial Calibration





TIC: Q3559.D\data.ms

(56) m,p-XYLENE (m)

15.321min (-0.003) 11.65PPBV m

response 109447

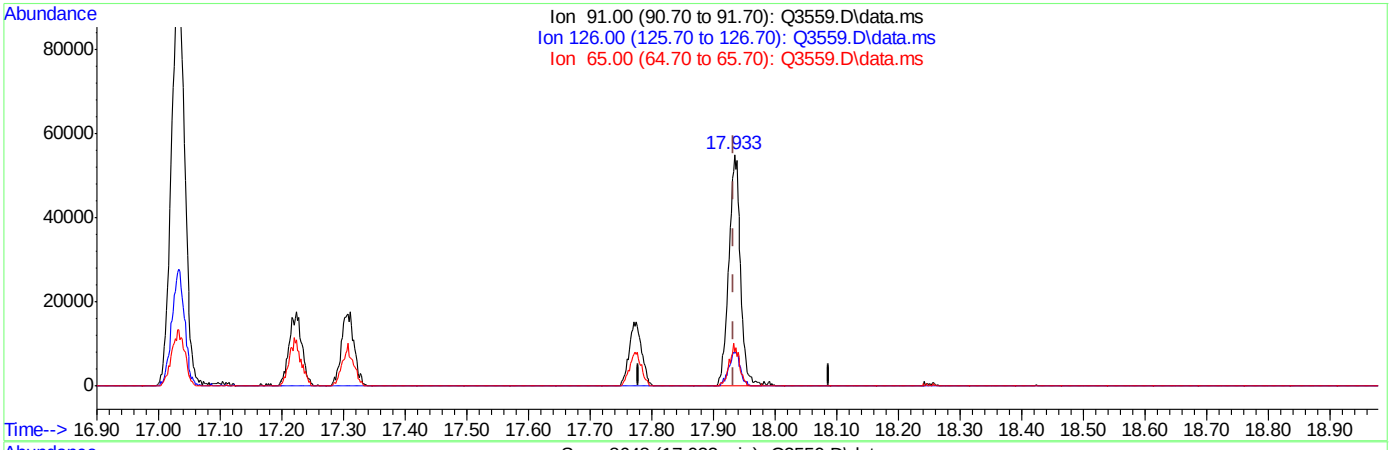
Ion	Exp%	Act%
106.00	100	100
91.00	204.20	237.99
77.00	30.60	36.72
0.00	0.00	0.00

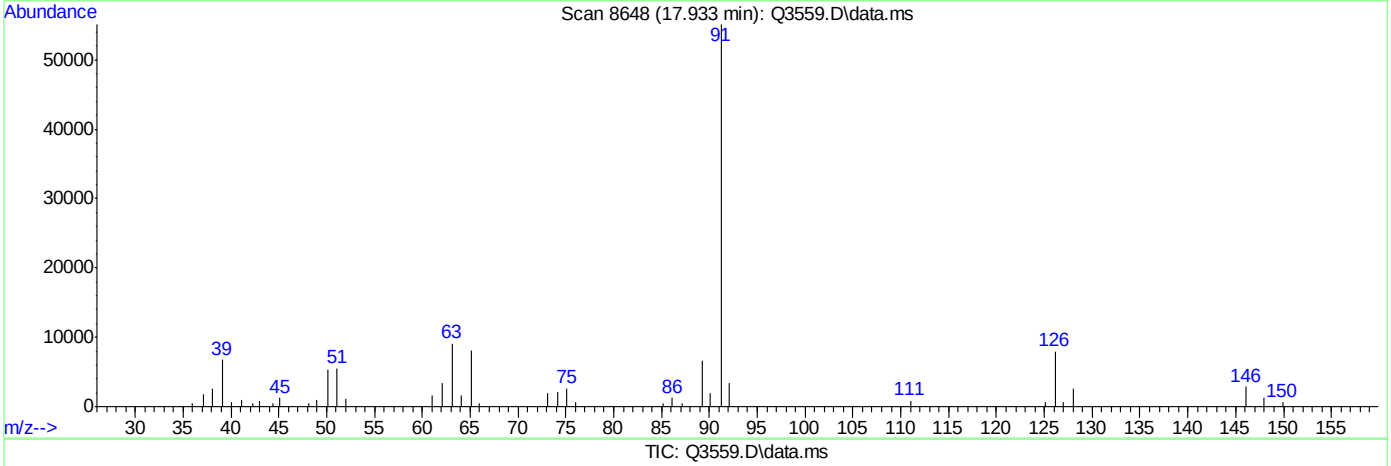
ACCUTEST Laboratories M65404

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3559.D
Acq On : 30 May 2007 11:43 am
Operator : PhilipB
Sample : IC193-5 (M017)
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 30 12:31:09 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 11:28:58 2007
Response via : Initial Calibration





(69) BENZYL CHLORIDE (m)

17.933min (+0.000) 9.80PPBV

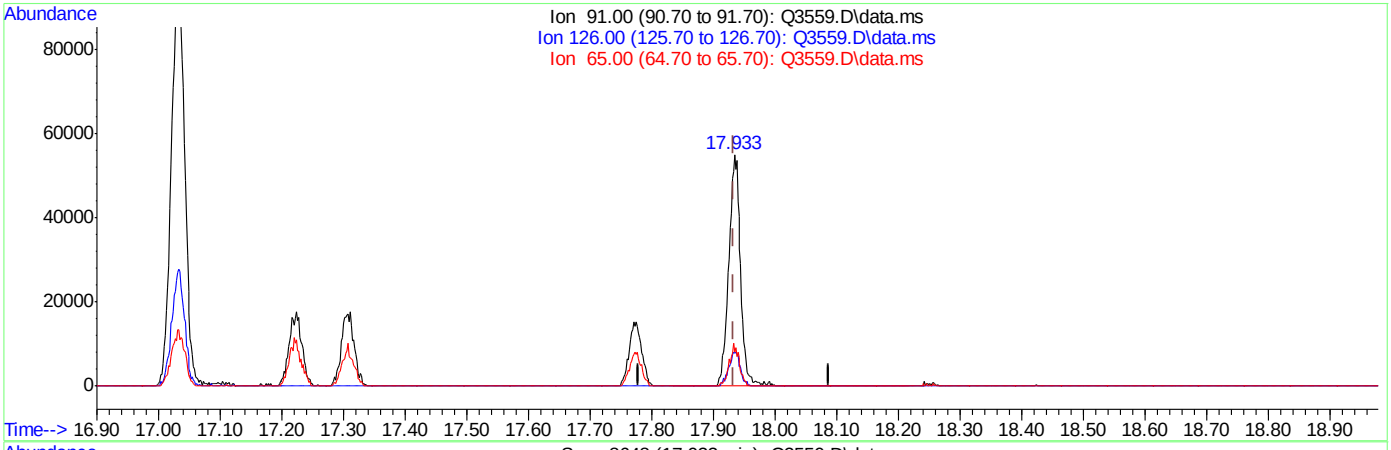
response 73746

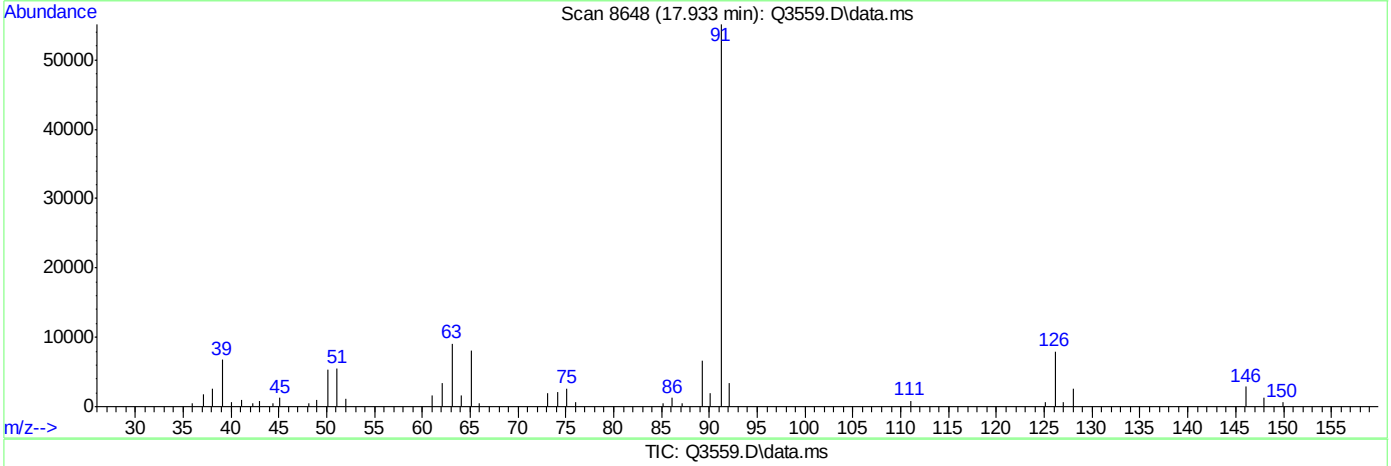
Ion	Exp%	Act%
91.00	100	100
126.00	20.90	14.63
65.00	12.30	15.78
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3559.D
Acq On : 30 May 2007 11:43 am
Operator : PhilipB
Sample : IC193-5 (M017)
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 30 12:31:09 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 11:28:58 2007
Response via : Initial Calibration





(69) BENZYL CHLORIDE (m)

17.933min (+0.000) 9.89PPBV m

response 74411

Ion	Exp%	Act%
91.00	100	100
126.00	20.90	14.50
65.00	12.30	15.64
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
05/31/07 11:31

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3560.D
Acq On : 30 May 2007 12:25 pm
Operator : PhilipB
Sample : IC193-2 (M017)
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 30 16:47:16 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 12:31:21 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.431	128	48343	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.350	114	241471	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.696	117	201471	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.334	95	111622	5.12	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 102.40%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	3.609	85	86307	3.24	PPBV	82
3) PROPYLENE	3.540	41	17489	3.50	PPBV	94
4) FREON 114	3.873	85	64039	3.04	PPBV #	100
5) CHLOROMETHANE	3.774	50	21317	3.26	PPBV	99
6) VINYL CHLORIDE	4.001	62	18171	3.07	PPBV #	70
7) 1,3-BUTADIENE	4.138	39	24863	3.49	PPBV #	100
8) BROMOMETHANE	4.413	94	16544	3.01	PPBV #	100
9) CHLOROETHANE	4.587	64	8297	3.32	PPBV #	100
10) TRICHLOROFLUOROMETHANE	5.407	101	85138	3.32	PPBV #	100
11) ISOPROPYL ALCOHOL	5.458	45	45037	4.84	PPBV	96
12) ACETONE	5.206	43	52661	3.59	PPBV	85
13) PENTANE	5.788	42	22444	3.46	PPBV #	100
14) 1,1-DICHLOROETHYLENE	6.085	96	15283	3.14	PPBV #	1
15) CARBON DISULFIDE	6.539	76	39495	3.02	PPBV #	27
16) ETHANOL	4.686	45	7588	3.86	PPBV #	100
17) BROMOETHENE	4.960	106	14973	2.91	PPBV #	100
18) METHYLENE CHLORIDE	6.207	84	16146	3.48	PPBV #	1
19) 3-CHLOROPROPENE	6.333	39	28549	3.50	PPBV #	1
20) FREON 113	6.482	151	26921	2.95	PPBV #	100
21) TRANS-1,2-DICHLOROETHY...	7.196	96	14914	3.02	PPBV #	100
22) TERTIARY BUTYL ALCOHOL	6.106	59	49097	5.25	PPBV #	100
23) METHYL TERTIARY BUTYL ...	7.457	73	52202	3.23	PPBV #	100
24) TETRAHYDROFURAN	8.971	42	23089	3.30	PPBV #	100
25) HEXANE	8.472	57	23325	3.37	PPBV #	100
26) VINYL ACETATE	7.542	43	59031	3.38	PPBV	96
27) 1,1-DICHLOROETHANE	7.404	63	40872	3.37	PPBV #	100
28) METHYL ETHYL KETONE	7.801	43	51255	3.39	PPBV	84
29) cis-1,2-DICHLOROETHYLENE	8.264	96	13183	3.27	PPBV #	100
30) ETHYL ACETATE	8.474	43	79958	3.44	PPBV #	100
31) CHLOROFORM	8.562	83	48093	3.30	PPBV #	100
32) 1,1,1-TRICHLOROETHANE	9.556	97	55722	3.22	PPBV	88
33) CARBON TETRACHLORIDE	10.165	117	57499	3.01	PPBV	98
34) 1,2-DICHLOROETHANE	9.304	62	47851	3.36	PPBV	98
36) BENZENE	10.018	78	35125	3.10	PPBV	85
37) CYCLOHEXANE	10.288	84	13499	3.14	PPBV #	52
38) TRICHLOROETHYLENE	11.051	95	22620	3.09	PPBV #	76
39) 1,2-DICHLOROPROPANE	10.820	63	15905	3.03	PPBV	88
40) BROMODICHLOROMETHANE	11.013	83	47394	2.94	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.076	57	74465	3.03	PPBV	95
42) 1,4-DIOXANE	11.047	88	5710	2.92	PPBV #	24
43) HEPTANE	11.328	43	35732	3.06	PPBV #	76

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3560.D
Acq On : 30 May 2007 12:25 pm
Operator : PhilipB
Sample : IC193-2 (M017)
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 30 16:47:16 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 12:31:21 2007
Response via : Initial Calibration

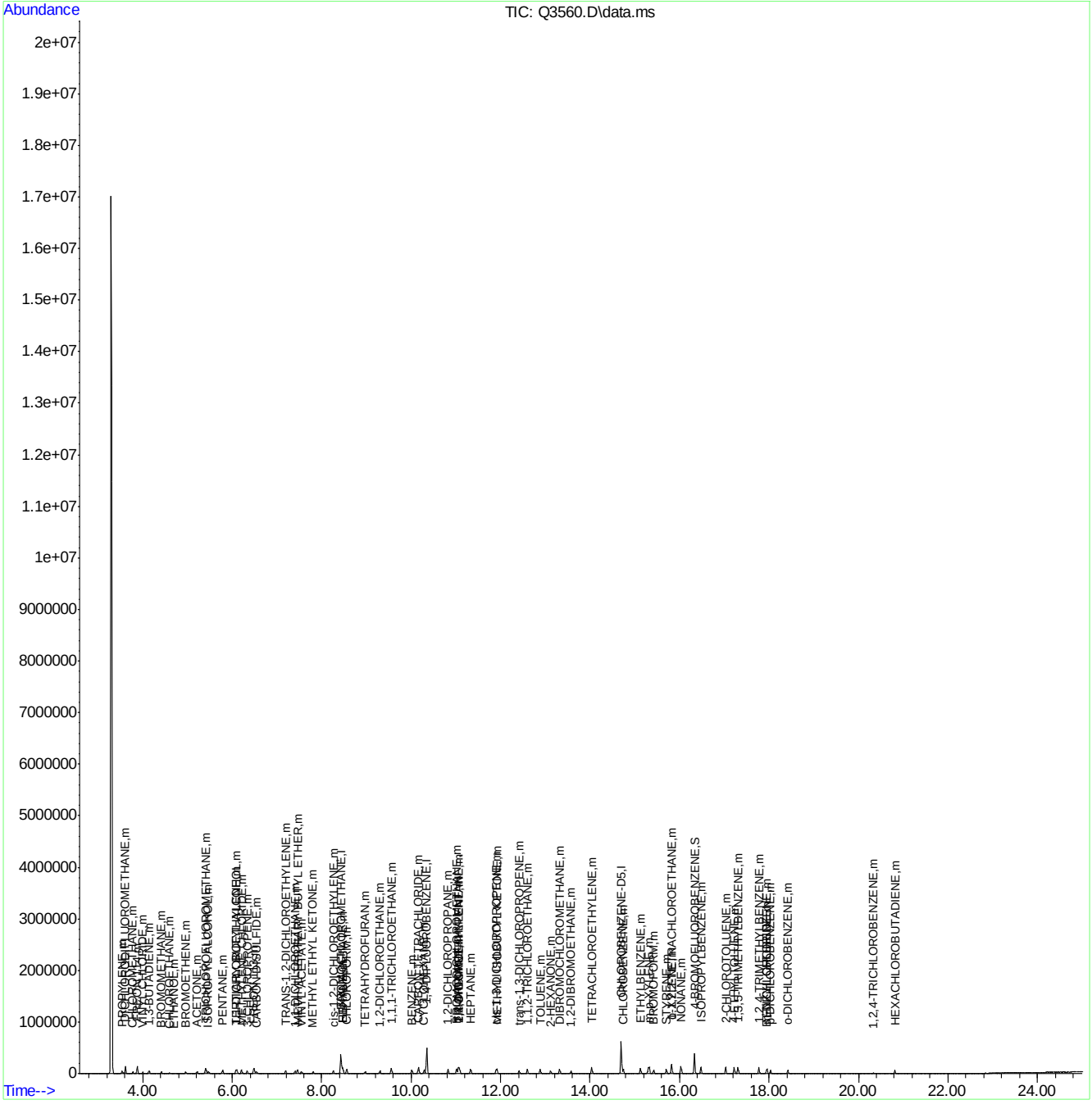
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) METHYL ISOBUTYL KETONE	11.920	43	51930	3.54	PPBV		86
45) cis-1,3-DICHLOROPROPENE	11.903	75	23151	2.82	PPBV	#	54
46) TOLUENE	12.886	92	24522	2.86	PPBV		97
47) trans-1,3-DICHLOROPROPENE	12.415	75	23988	2.77	PPBV	#	92
48) 1,1,2-TRICHLOROETHANE	12.596	83	14832	3.00	PPBV		90
50) 2-HEXANONE	13.113	43	39312	4.02	PPBV		85
51) TETRACHLOROETHYLENE	14.036	164	14267	2.65	PPBV	#	79
52) DIBROMOCHLOROMETHANE	13.317	129	35527	2.72	PPBV		97
53) 1,2-DIBROMOETHANE	13.571	107	25805	2.87	PPBV	#	98
54) CHLOROBENZENE	14.744	112	31314	3.01	PPBV	#	80
55) ETHYLBENZENE	15.122	91	63325	3.01	PPBV		93
56) m,p-XYLENE	15.301	106	40565m	5.58	PPBV		
57) o-XYLENE	15.825	106	20790	2.66	PPBV	#	71
58) STYRENE	15.704	104	25157	2.78	PPBV		89
59) NONANE	16.031	43	55327	3.21	PPBV		84
60) BROMOFORM	15.422	173	26078	2.50	PPBV		97
62) 1,1,2,2-TETRACHLOROETHANE	15.818	83	32761	3.92	PPBV		97
63) ISOPROPYLBENZENE	16.473	105	69342	2.75	PPBV		90
64) 2-CHLOROTOLUENE	17.032	91	53100	2.88	PPBV		83
65) 4-ETHYLTOLUENE	17.223	105	57615	2.73	PPBV		92
66) 1,3,5-TRIMETHYLBENZENE	17.303	105	56293	3.06	PPBV		90
67) 1,2,4-TRIMETHYLBENZENE	17.773	105	49123	3.28	PPBV		92
68) m-DICHLOROBENZENE	17.955	146	21845	3.47	PPBV		92
69) BENZYL CHLORIDE	17.933	91	22269m	3.21	PPBV		
70) p-DICHLOROBENZENE	18.029	146	18367	3.22	PPBV		89
71) o-DICHLOROBENZENE	18.419	146	18994	3.71	PPBV		88
72) HEXACHLOROBUTADIENE	20.810	225	6093	4.80	PPBV		93
73) 1,2,4-TRICHLOROBENZENE	20.327	180	2046	4.23	PPBV	#	73

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3560.D
Acq On : 30 May 2007 12:25 pm
Operator : PhilipB
Sample : IC193-2 (M017)
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 1 Sample Multiplier: 1

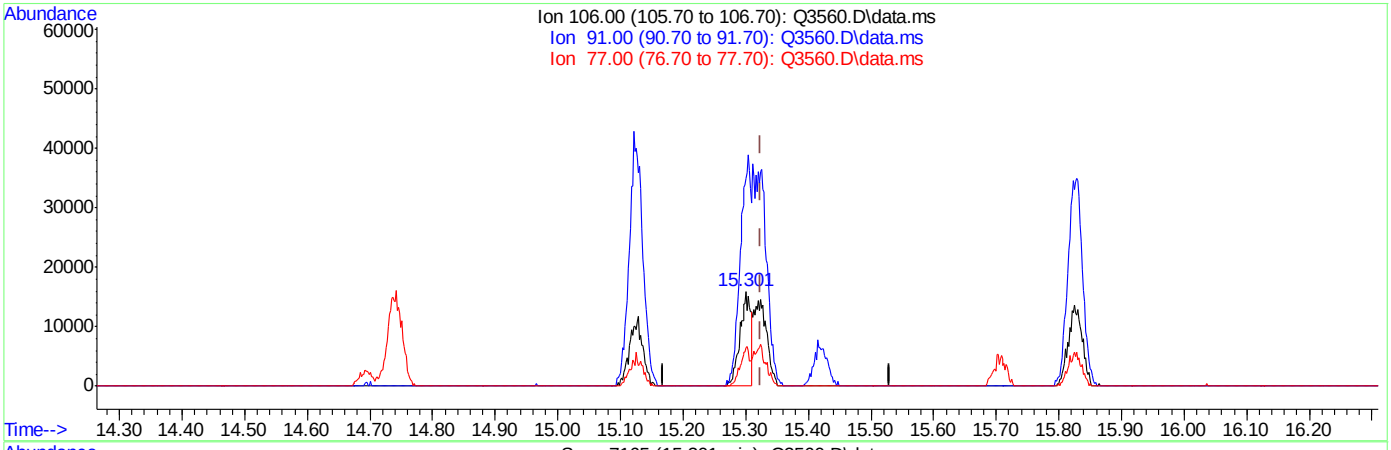
Quant Time: May 30 16:47:16 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 12:31:21 2007
Response via : Initial Calibration

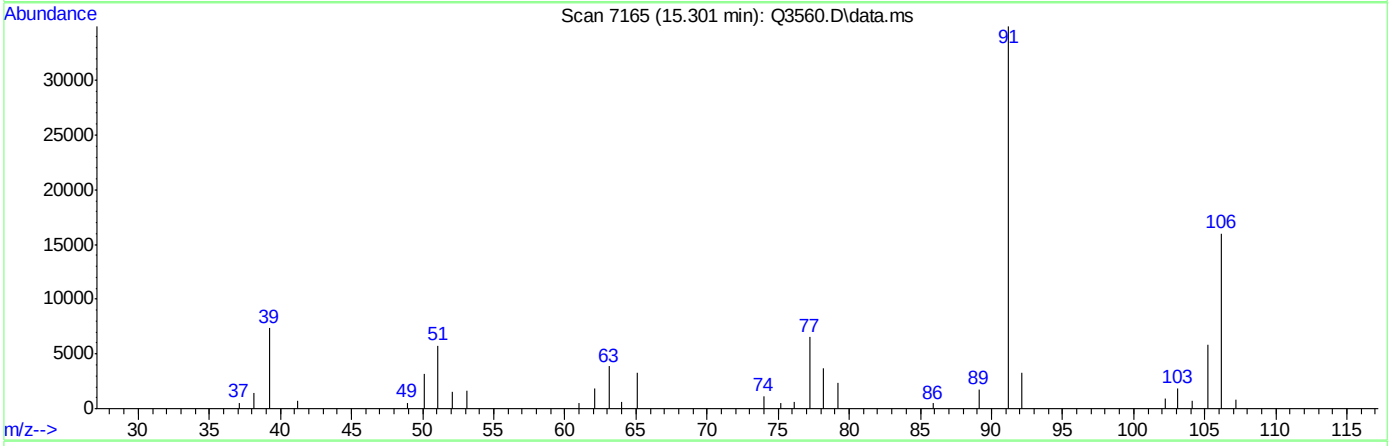


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3560.D
Acq On : 30 May 2007 12:25 pm
Operator : PhilipB
Sample : IC193-2 (M017)
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 30 13:00:45 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 12:31:21 2007
Response via : Initial Calibration





TIC: Q3560.D\data.ms

(56) m,p-XYLENE (m)

15.301min (-0.023) 2.71PPBV

response 19680

Ion	Exp%	Act%
106.00	100	100
91.00	204.20	218.54
77.00	30.60	40.72#
0.00	0.00	0.00

ACCUTEST Laboratories M65404

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3560.D
Acq On    : 30 May 2007  12:25 pm
Operator  : PhilipB
Sample    : IC193-2 (M017)
Misc      : MS13624, MSQ193,,,,,1
ALS Vial  : 1   Sample Multiplier: 1

Quant Time: May 30 13:00:45 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 12:31:21 2007
Response via : Initial Calibration
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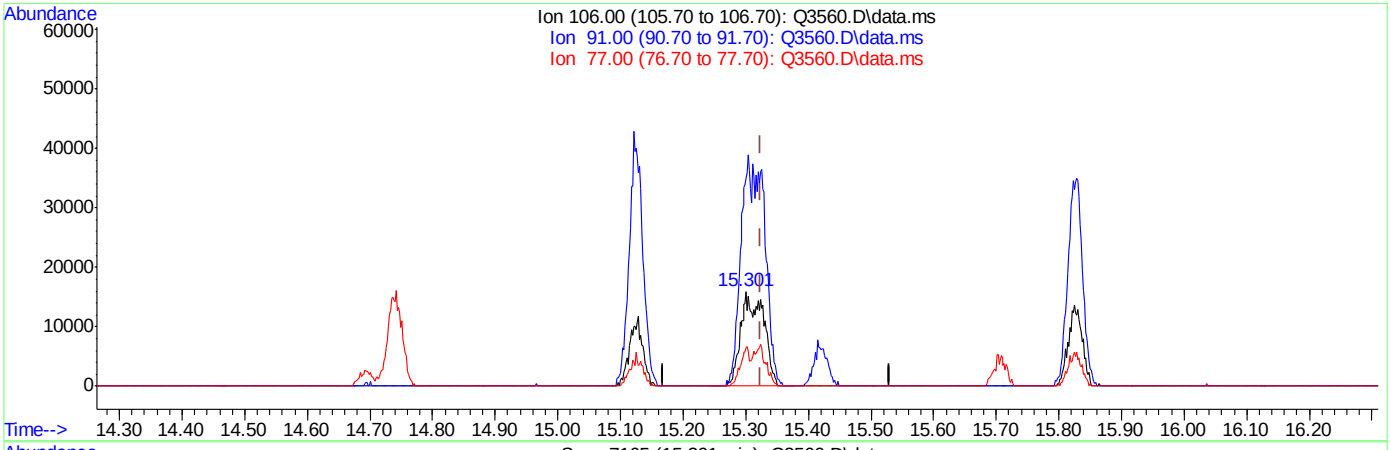
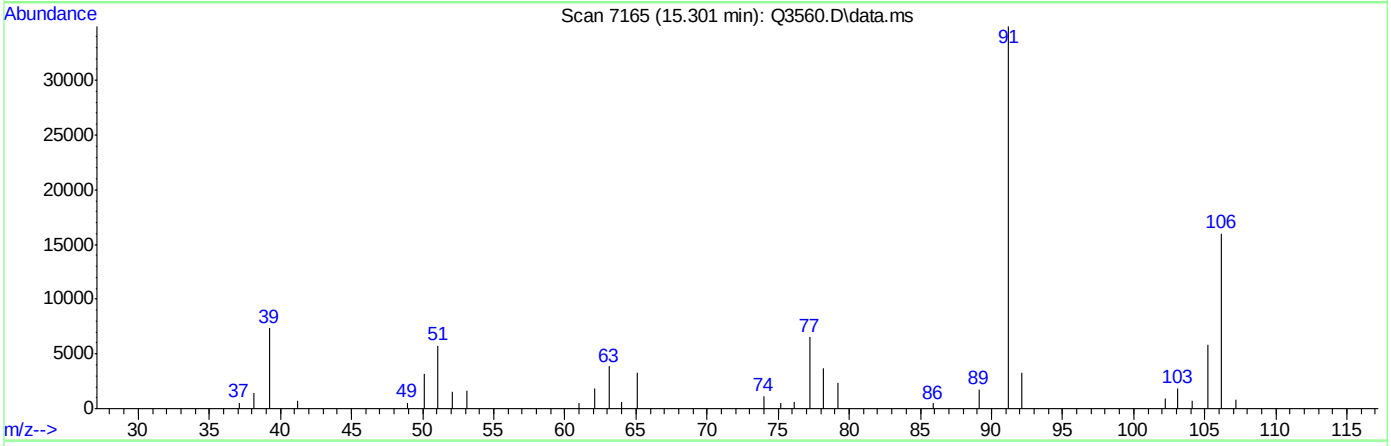




TIC: Q3560.D\data.ms

(56) m,p-XYLENE (m)

15.301min (-0.023) 5.58PPBV m

response 40565

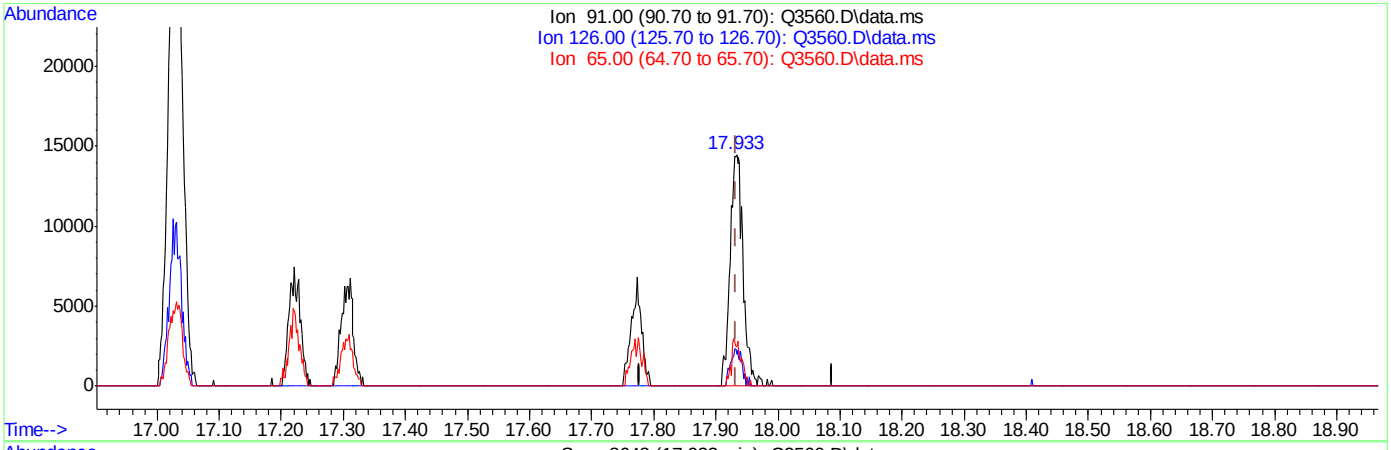
Ion	Exp%	Act%
106.00	100	100
91.00	204.20	218.54
77.00	30.60	40.72#
0.00	0.00	0.00

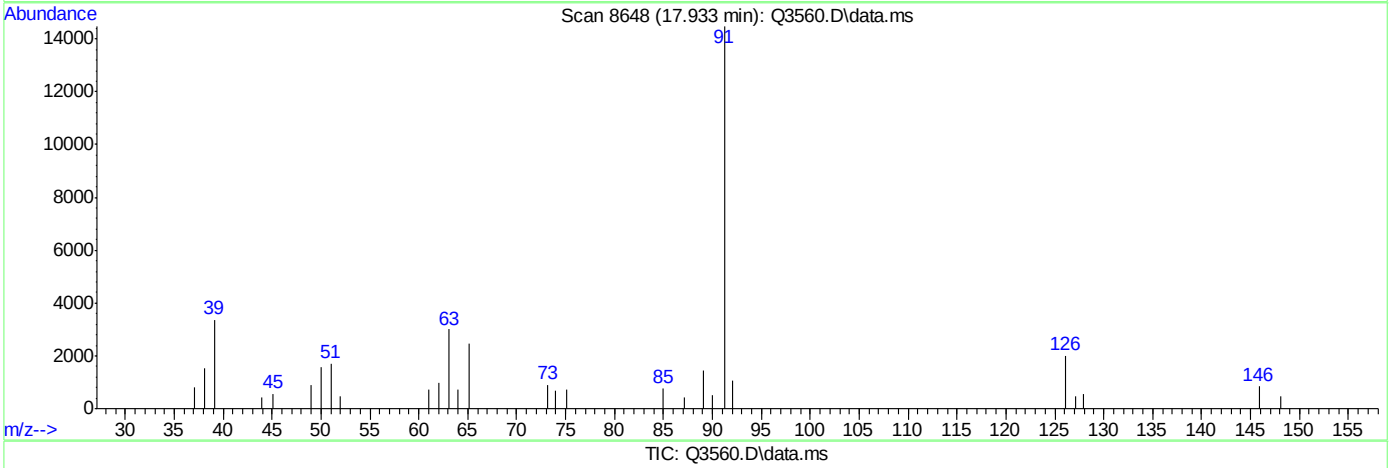
ACCUTEST Laboratories M65404

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3560.D
Acq On : 30 May 2007 12:25 pm
Operator : PhilipB
Sample : IC193-2 (M017)
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 30 13:01:21 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 12:31:21 2007
Response via : Initial Calibration





TIC: Q3560.D\data.ms

(69) BENZYL CHLORIDE (m)

17.933min (+0.000) 3.17PPBV

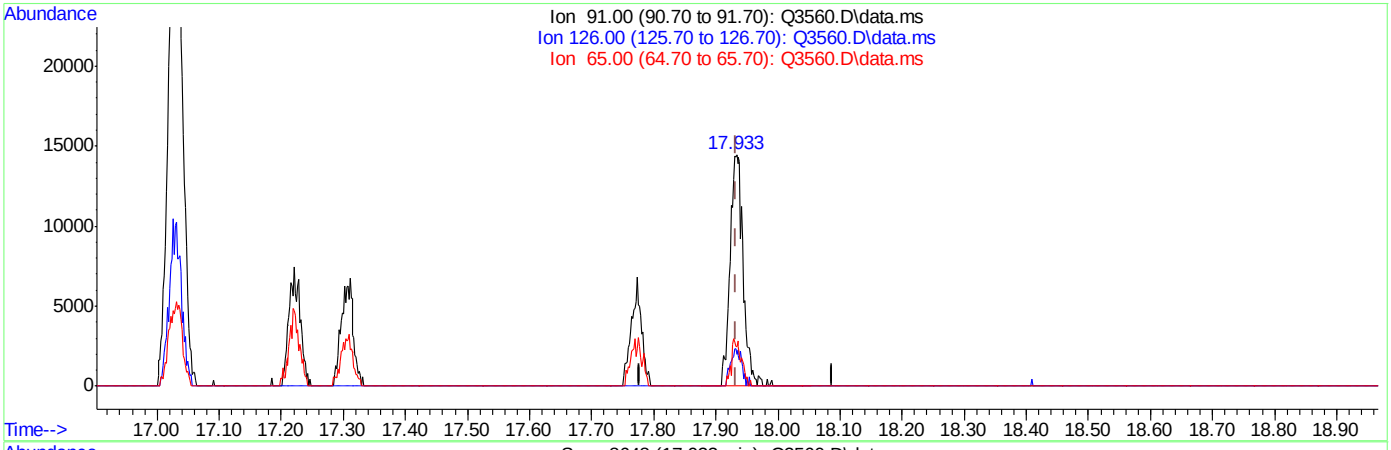
response 21953

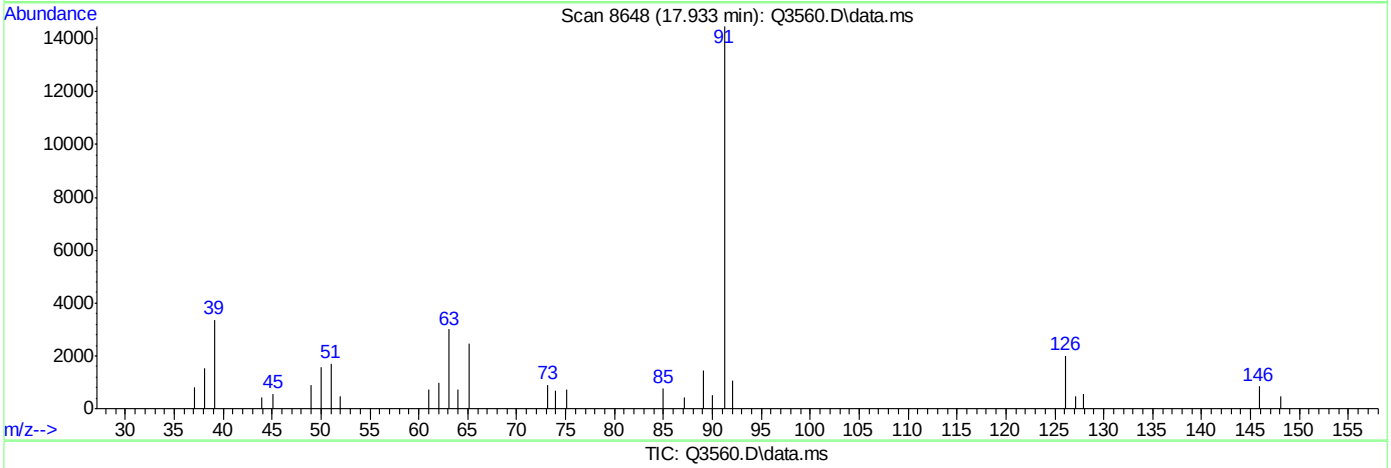
Ion	Exp%	Act%
91.00	100	100
126.00	20.90	13.93
65.00	12.30	15.98
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3560.D
Acq On : 30 May 2007 12:25 pm
Operator : PhilipB
Sample : IC193-2 (M017)
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 30 13:01:21 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 12:31:21 2007
Response via : Initial Calibration





TIC: Q3560.D\data.ms

(69) BENZYL CHLORIDE (m)

17.933min (+0.000) 3.21PPBV m

response 22269

Ion	Exp%	Act%
91.00	100	100
126.00	20.90	13.74
65.00	12.30	15.76
0.00	0.00	0.00

ACCUTEST Laboratories M65404

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
05/31/07 11:31

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3561.D
Acq On : 30 May 2007 1:09 pm
Operator : PhilipB
Sample : IC193-.5 (M007
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 30 13:58:30 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 13:01:34 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.428	128	46544	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.350	114	225840	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.696	117	184232	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.331	95	97197	4.85	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 97.00%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	3.609	85	20495	0.71	PPBV	80
3) PROPYLENE	3.533	41	4316	0.78	PPBV	87
4) FREON 114	3.872	85	15293	0.68	PPBV #	100
5) CHLOROMETHANE	3.778	50	5467	0.77	PPBV	96
6) VINYL CHLORIDE	4.000	62	4193	0.66	PPBV #	63
7) 1,3-BUTADIENE	4.138	39	6209	0.79	PPBV #	100
8) BROMOMETHANE	4.415	94	3706	0.64	PPBV #	100
9) CHLOROETHANE	4.591	64	1743m	0.64	PPBV	
10) TRICHLOROFLUOROMETHANE	5.414	101	20162	0.72	PPBV #	100
11) ISOPROPYL ALCOHOL	5.466	45	13755	1.20	PPBV	97
12) ACETONE	5.210	43	18902	1.16	PPBV	85
13) PENTANE	5.780	42	5716m	0.80	PPBV	
14) 1,1-DICHLOROETHYLENE	6.080	96	3357	0.64	PPBV #	1
15) CARBON DISULFIDE	6.534	76	9188	0.66	PPBV #	1
16) ETHANOL	4.699	45	2844	1.27	PPBV #	100
17) BROMOETHENE	4.962	106	3372	0.62	PPBV #	100
18) METHYLENE CHLORIDE	6.211	84	18193	3.55	PPBV #	1
19) 3-CHLOROPROPENE	6.337	39	7658	0.85	PPBV #	1
20) FREON 113	6.479	151	6443m	0.67	PPBV	
21) TRANS-1,2-DICHLOROETHY...	7.196	96	3419	0.65	PPBV #	100
22) TERTIARY BUTYL ALCOHOL	6.112	59	11149	0.93	PPBV #	100
23) METHYL TERTIARY BUTYL ...	7.466	73	12329	0.71	PPBV #	100
24) TETRAHYDROFURAN	8.974	42	5688	0.75	PPBV	100
25) HEXANE	8.463	57	9230	1.22	PPBV #	100
26) VINYL ACETATE	7.549	43	13286	0.69	PPBV	80
27) 1,1-DICHLOROETHANE	7.405	63	9882	0.74	PPBV #	100
28) METHYL ETHYL KETONE	7.810	43	14152	0.85	PPBV	77
29) cis-1,2-DICHLOROETHYLENE	8.266	96	3278	0.75	PPBV #	100
30) ETHYL ACETATE	8.472	43	22854	0.89	PPBV #	100
31) CHLOROFORM	8.559	83	12213	0.77	PPBV #	100
32) 1,1,1-TRICHLOROETHANE	9.558	97	13310	0.71	PPBV	88
33) CARBON TETRACHLORIDE	10.163	117	12435	0.61	PPBV	96
34) 1,2-DICHLOROETHANE	9.303	62	11196	0.72	PPBV #	95
36) BENZENE	10.021	78	8341m	0.71	PPBV	
37) CYCLOHEXANE	10.284	84	2880	0.64	PPBV #	34
38) TRICHLOROETHYLENE	11.049	95	5368	0.71	PPBV #	27
39) 1,2-DICHLOROPROPANE	10.827	63	4177	0.77	PPBV #	70
40) BROMODICHLOROMETHANE	11.010	83	11448	0.69	PPBV	91
41) 2,2,4-TRIMETHYLPENTANE	11.079	57	17857	0.70	PPBV	94
42) 1,4-DIOXANE	11.058	88	1116	0.56	PPBV #	1
43) HEPTANE	11.324	43	8894	0.74	PPBV #	74

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3561.D
Acq On : 30 May 2007 1:09 pm
Operator : PhilipB
Sample : IC193-.5 (M007
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 30 13:58:30 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 13:01:34 2007
Response via : Initial Calibration

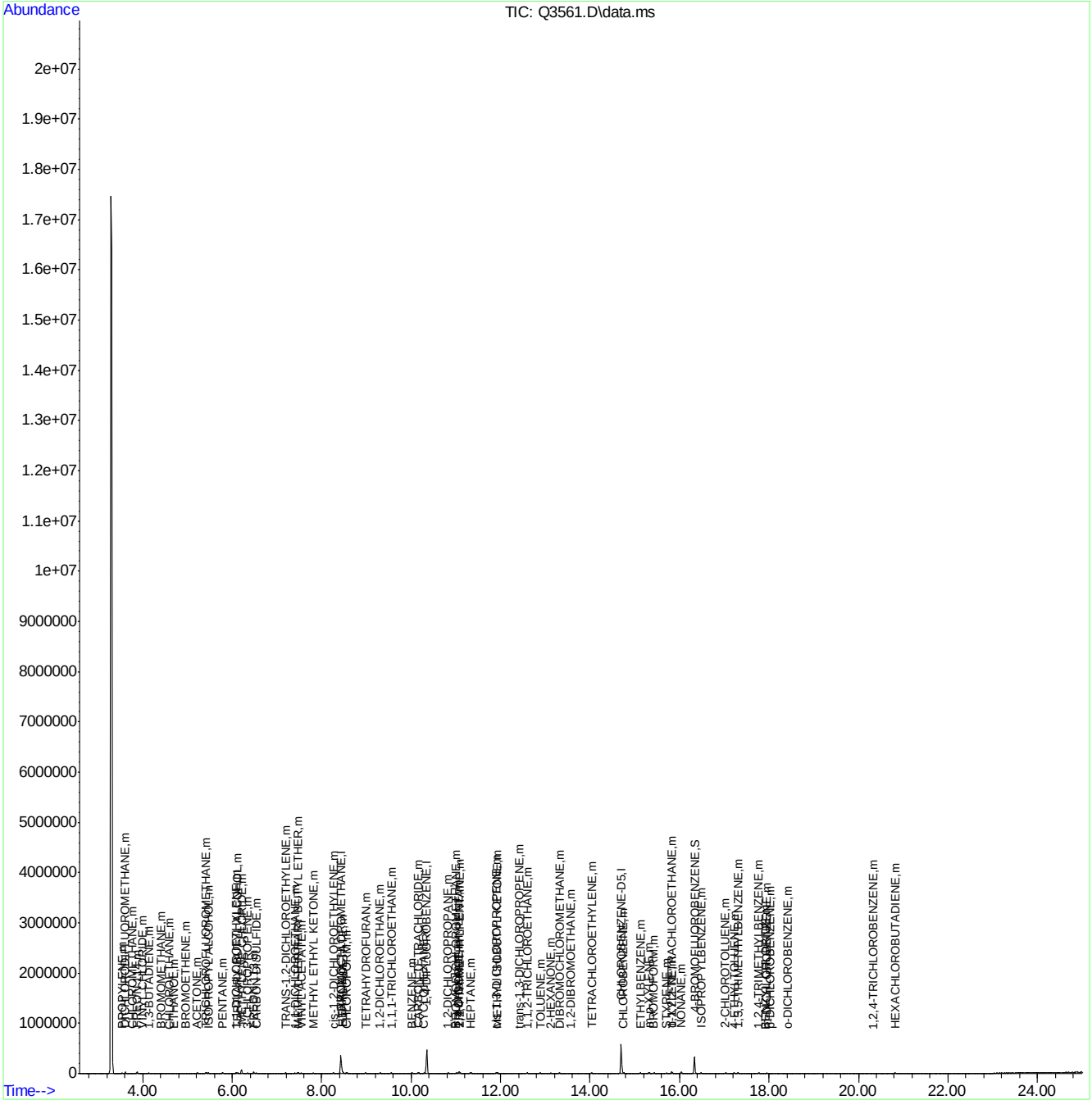
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.926	43	12303	0.78	PPBV	69
45) cis-1,3-DICHLOROPROPENE	11.894	75	4880	0.59	PPBV #	61
46) TOLUENE	12.882	92	5822	0.67	PPBV	96
47) trans-1,3-DICHLOROPROPENE	12.410	75	4298	0.49	PPBV #	78
48) 1,1,2-TRICHLOROETHANE	12.604	83	3407	0.67	PPBV	88
50) 2-HEXANONE	13.122	43	9452	0.88	PPBV #	77
51) TETRACHLOROETHYLENE	14.039	164	3461	0.66	PPBV #	85
52) DIBROMOCHLOROMETHANE	13.315	129	7201	0.56	PPBV	90
53) 1,2-DIBROMOETHANE	13.569	107	5566	0.62	PPBV #	95
54) CHLOROBENZENE	14.742	112	6080	0.58	PPBV #	74
55) ETHYLBENZENE	15.124	91	13442	0.64	PPBV	92
56) m,p-XYLENE	15.326	106	8907	1.24	PPBV	87
57) o-XYLENE	15.828	106	4202	0.55	PPBV #	65
58) STYRENE	15.708	104	3968	0.44	PPBV	92
59) NONANE	16.034	43	11644	0.66	PPBV #	77
60) BROMOFORM	15.426	173	4764	0.48	PPBV #	96
62) 1,1,2,2-TETRACHLOROETHANE	15.820	83	6506	0.71	PPBV	89
63) ISOPROPYLBENZENE	16.474	105	14490	0.58	PPBV	89
64) 2-CHLOROTOLUENE	17.030	91	11134	0.61	PPBV	86
65) 4-ETHYLTOLUENE	17.218	105	10279m	0.50	PPBV	
66) 1,3,5-TRIMETHYLBENZENE	17.309	105	10976	0.59	PPBV	96
67) 1,2,4-TRIMETHYLBENZENE	17.772	105	9103	0.59	PPBV	84
68) m-DICHLOROBENZENE	17.955	146	2028m	0.31	PPBV	
69) BENZYL CHLORIDE	17.933	91	1341	0.19	PPBV	70
70) p-DICHLOROBENZENE	18.033	146	1646	0.28	PPBV #	48
71) o-DICHLOROBENZENE	18.423	146	1595	0.29	PPBV	80
72) HEXACHLOROBUTADIENE	20.816	225	1779	1.20	PPBV	95
73) 1,2,4-TRICHLOROBENZENE	20.326	180	292	0.54	PPBV #	14

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3561.D
Acq On : 30 May 2007 1:09 pm
Operator : PhilipB
Sample : IC193-.5 (M007
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 2 Sample Multiplier: 1

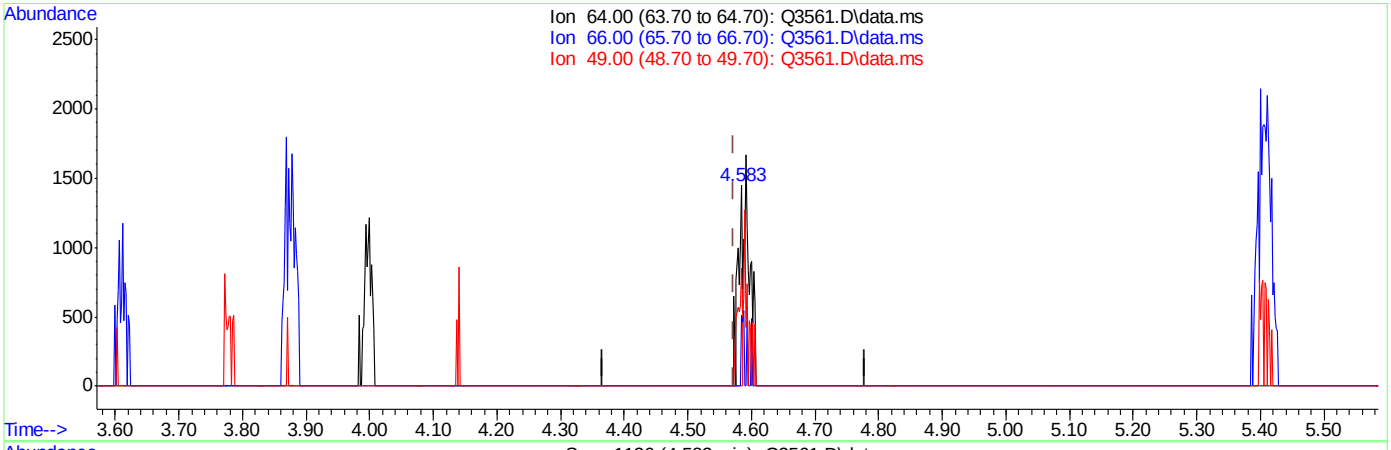
Quant Time: May 30 13:58:30 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 13:01:34 2007
Response via : Initial Calibration

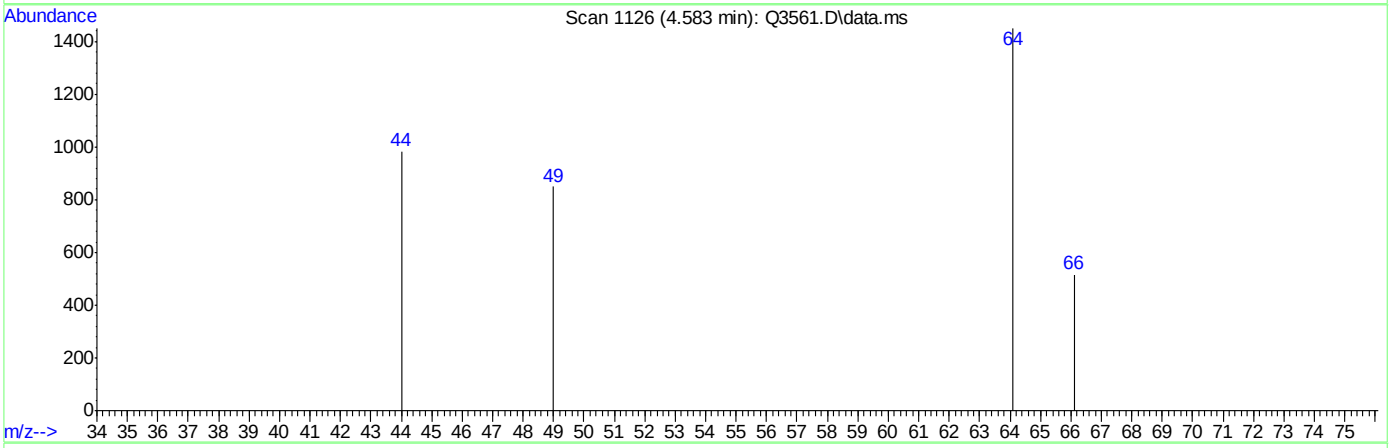


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3561.D
Acq On : 30 May 2007 1:09 pm
Operator : PhilipB
Sample : IC193-.5 (M007
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 30 13:57:21 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 13:01:34 2007
Response via : Initial Calibration





TIC: Q3561.D\data.ms

(9) CHLOROETHANE (m)

4.583min (+0.011) 0.25PPBV

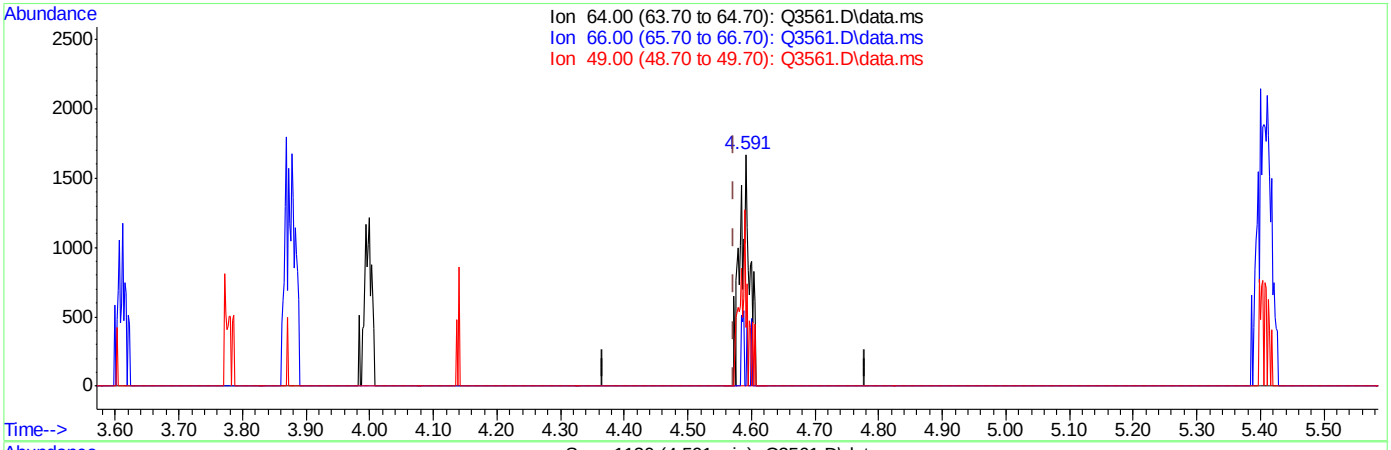
response 671

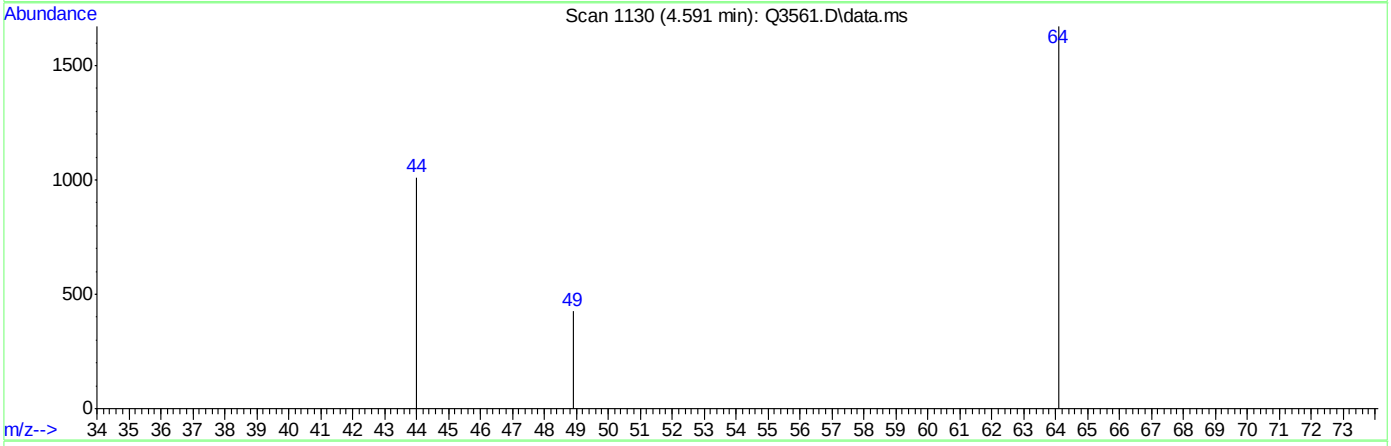
Ion	Exp%	Act%
64.00	100	100
66.00	0.00	24.14#
49.00	0.00	133.83#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3561.D
Acq On : 30 May 2007 1:09 pm
Operator : PhilipB
Sample : IC193-.5 (M007
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 30 13:57:21 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 13:01:34 2007
Response via : Initial Calibration





TIC: Q3561.D\data.ms

(9) CHLOROETHANE (m)

4.591min (+0.018) 0.64PPBV m

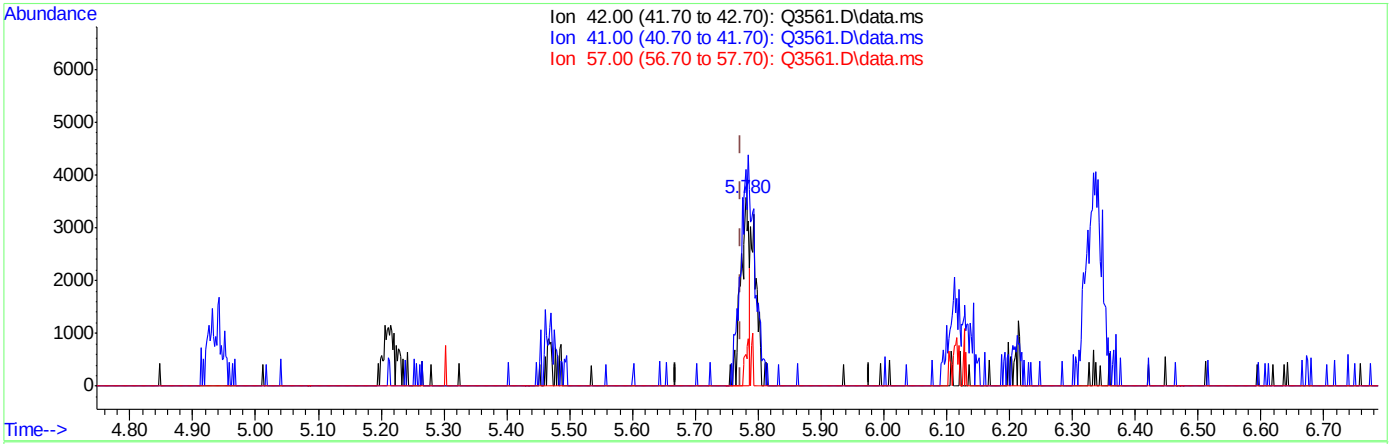
response 1743

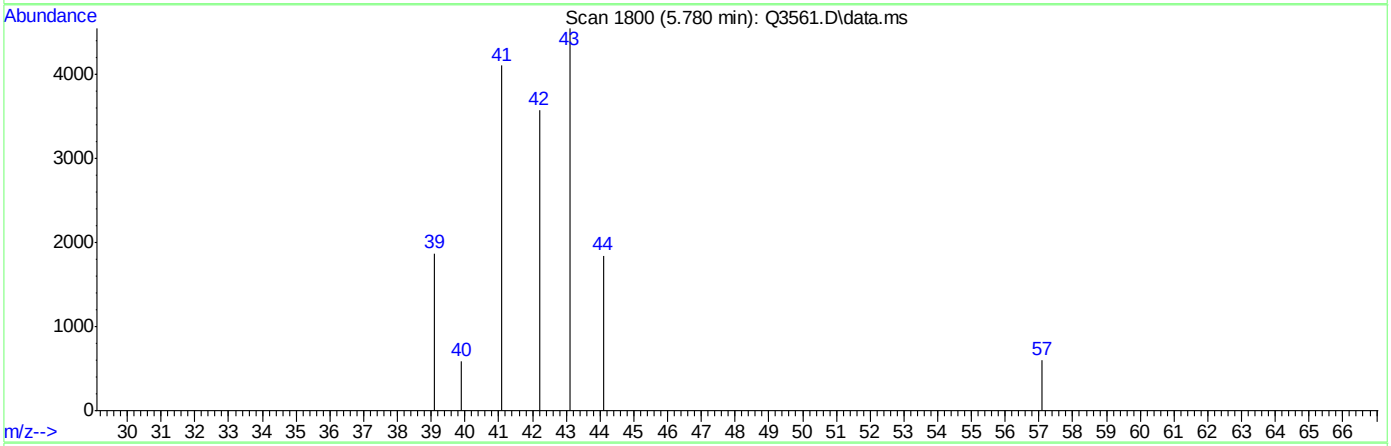
Ion	Exp%	Act%
64.00	100	100
66.00	0.00	9.29
49.00	0.00	51.52#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3561.D
Acq On : 30 May 2007 1:09 pm
Operator : PhilipB
Sample : IC193-.5 (M007
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 30 13:57:21 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 13:01:34 2007
Response via : Initial Calibration





TIC: Q3561.D\data.ms

(13) PENTANE (m)

5.780min (+0.008) 0.48PPBV

response 3459

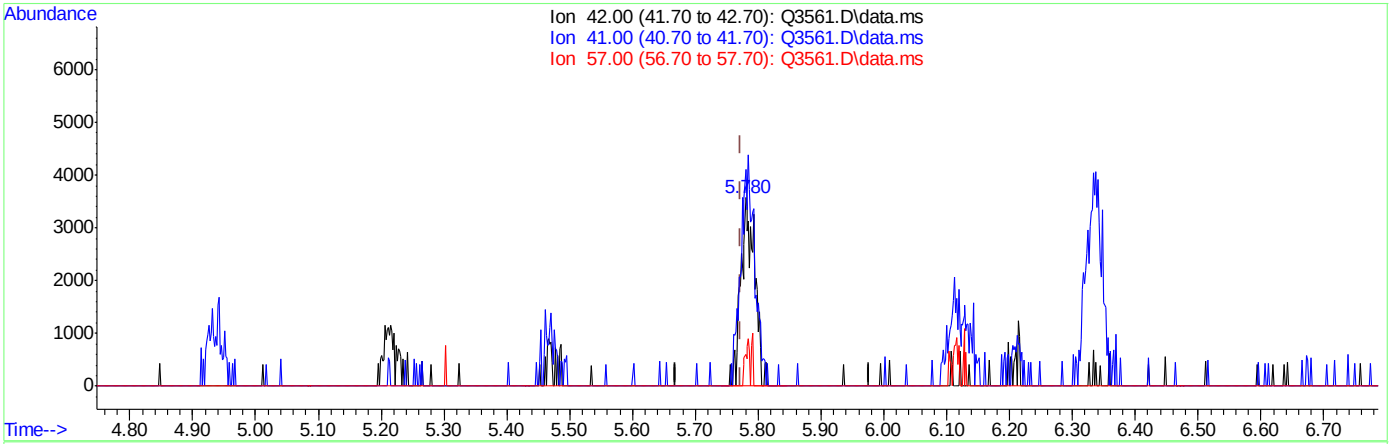
Ion	Exp%	Act%
42.00	100	100
41.00	0.00	202.89#
57.00	0.00	18.94
0.00	0.00	0.00

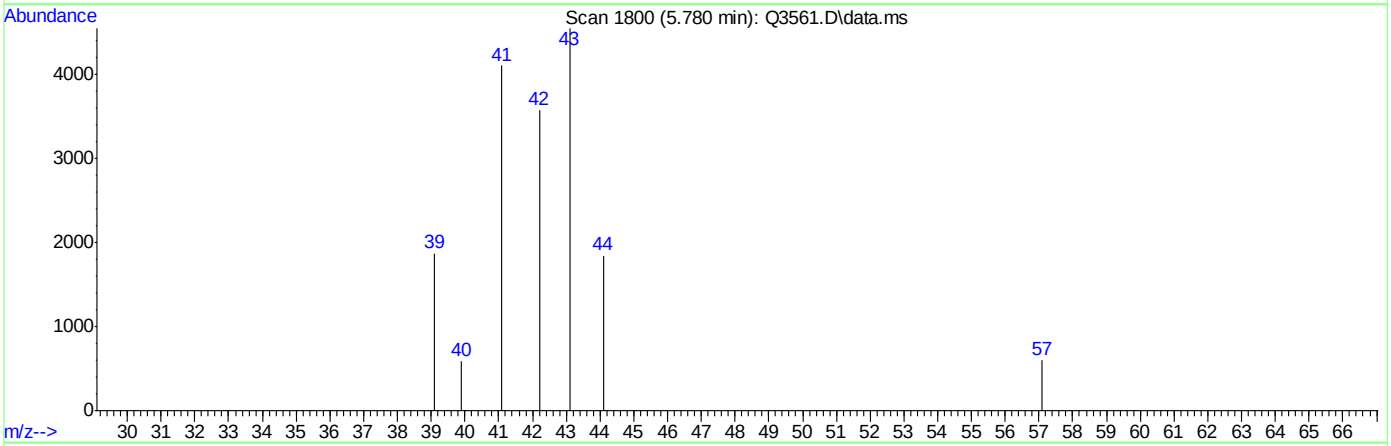
ACCUTEST Laboratories M65404

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3561.D
Acq On : 30 May 2007 1:09 pm
Operator : PhilipB
Sample : IC193-.5 (M007
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 30 13:57:21 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 13:01:34 2007
Response via : Initial Calibration





TIC: Q3561.D\data.ms

(13) PENTANE (m)

5.780min (+0.008) 0.80PPBV m

response 5716

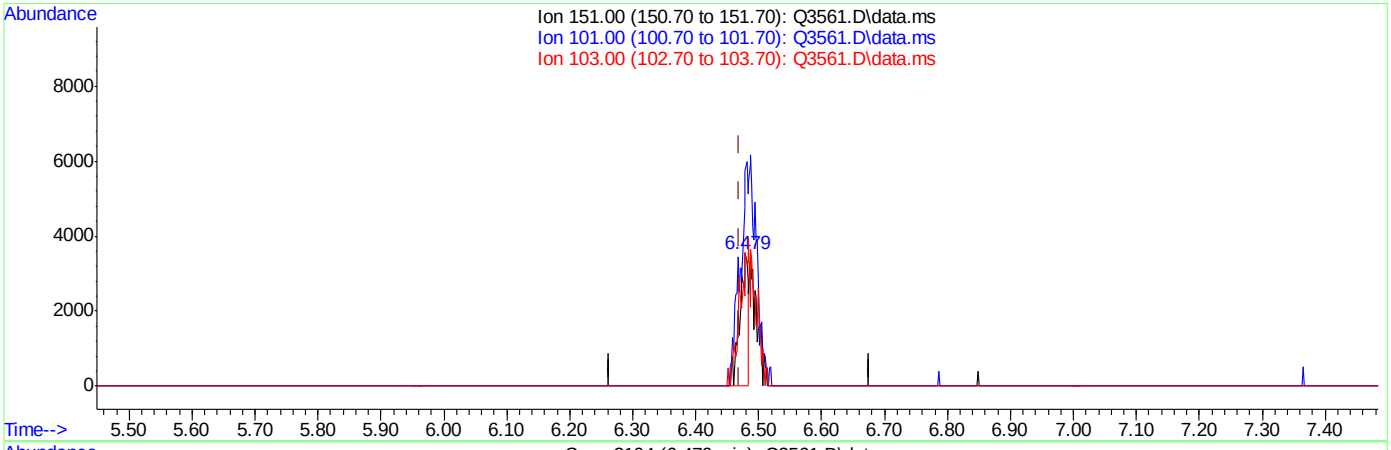
Ion	Exp%	Act%
42.00	100	100
41.00	0.00	122.78#
57.00	0.00	11.46
0.00	0.00	0.00

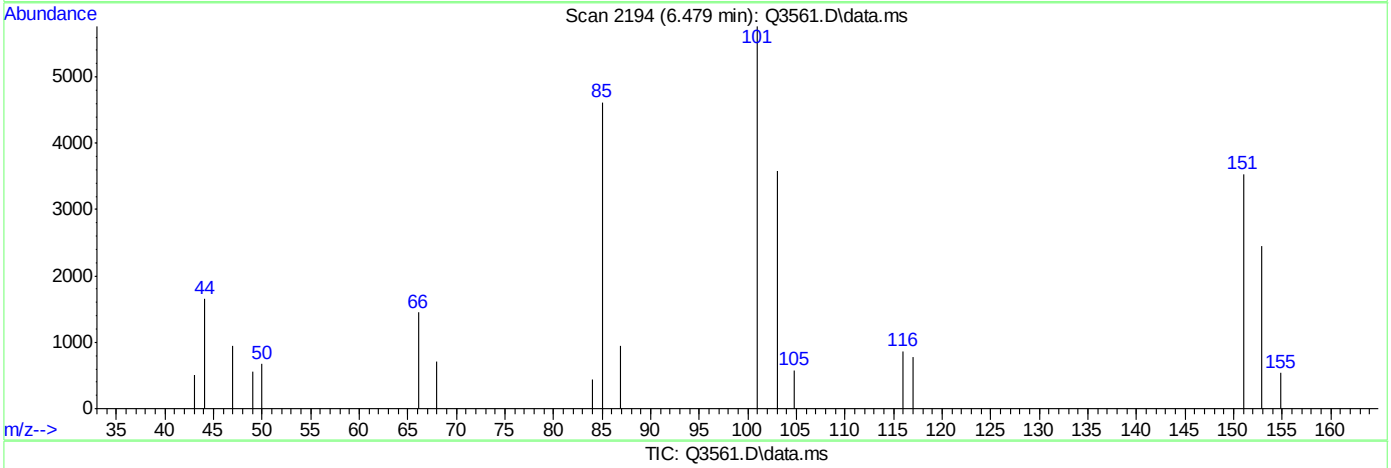
ACCUTEST Laboratories M65404

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3561.D
Acq On : 30 May 2007 1:09 pm
Operator : PhilipB
Sample : IC193-.5 (M007
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 30 13:57:21 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 13:01:34 2007
Response via : Initial Calibration





TIC: Q3561.D\data.ms

(20) FREON 113 (m)

6.479min (+0.009) 0.35PPBV

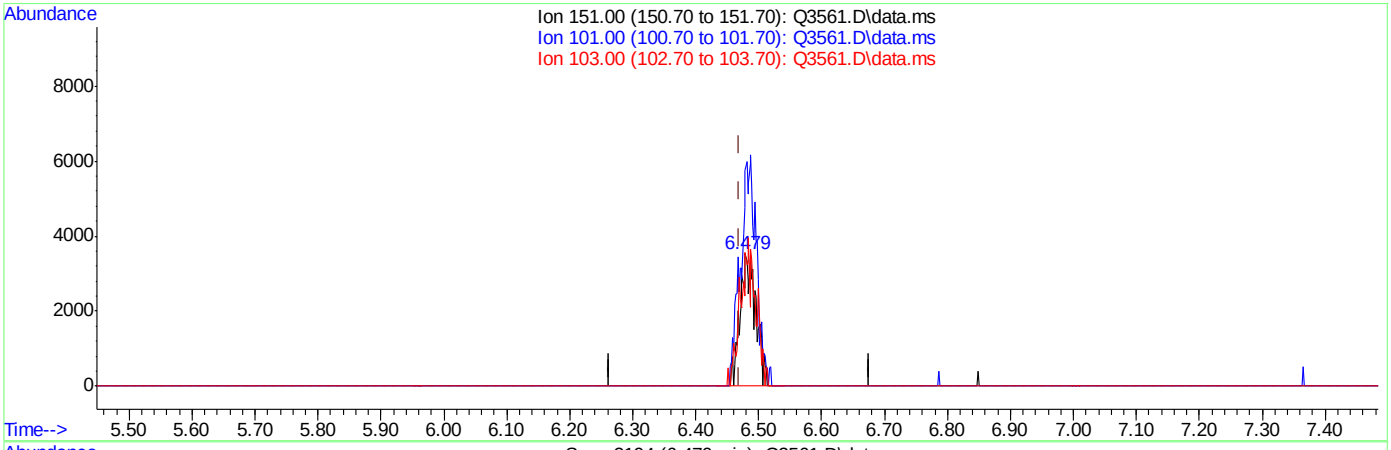
response 3407

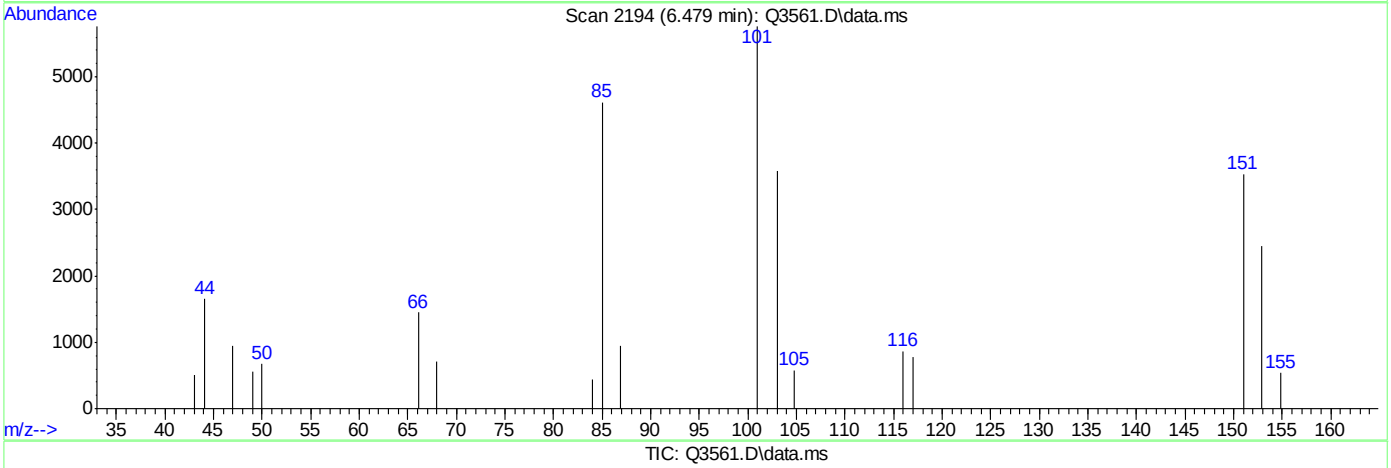
Ion	Exp%	Act%
151.00	100	100
101.00	0.00	333.49#
103.00	0.00	202.05#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3561.D
Acq On : 30 May 2007 1:09 pm
Operator : PhilipB
Sample : IC193-.5 (M007
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 30 13:57:21 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 13:01:34 2007
Response via : Initial Calibration





TIC: Q3561.D\data.ms

(20) FREON 113 (m)

6.479min (+0.009) 0.67PPBV m

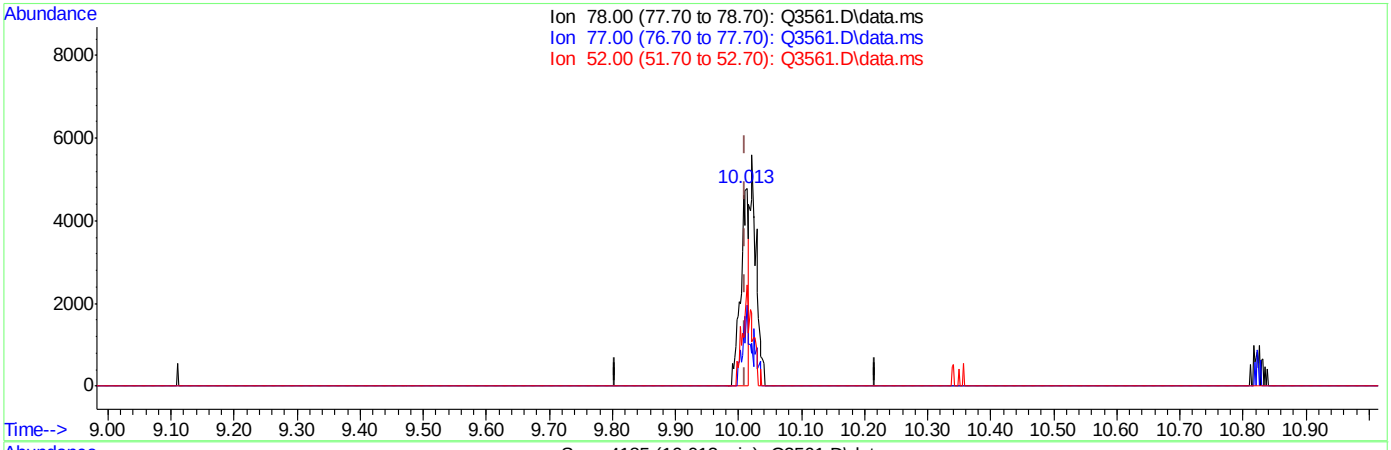
response 6443

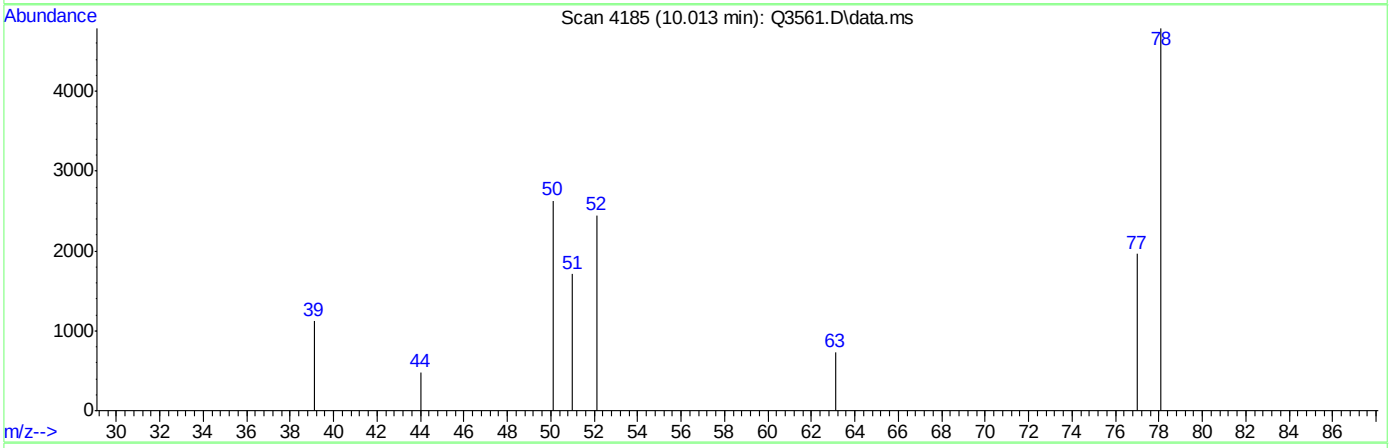
Ion	Exp%	Act%
151.00	100	100
101.00	0.00	176.35#
103.00	0.00	106.84#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3561.D
Acq On : 30 May 2007 1:09 pm
Operator : PhilipB
Sample : IC193-.5 (M007
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 30 13:57:21 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 13:01:34 2007
Response via : Initial Calibration





TIC: Q3561.D\data.ms

(36) BENZENE (m)

10.013min (+0.002) 0.34PPBV

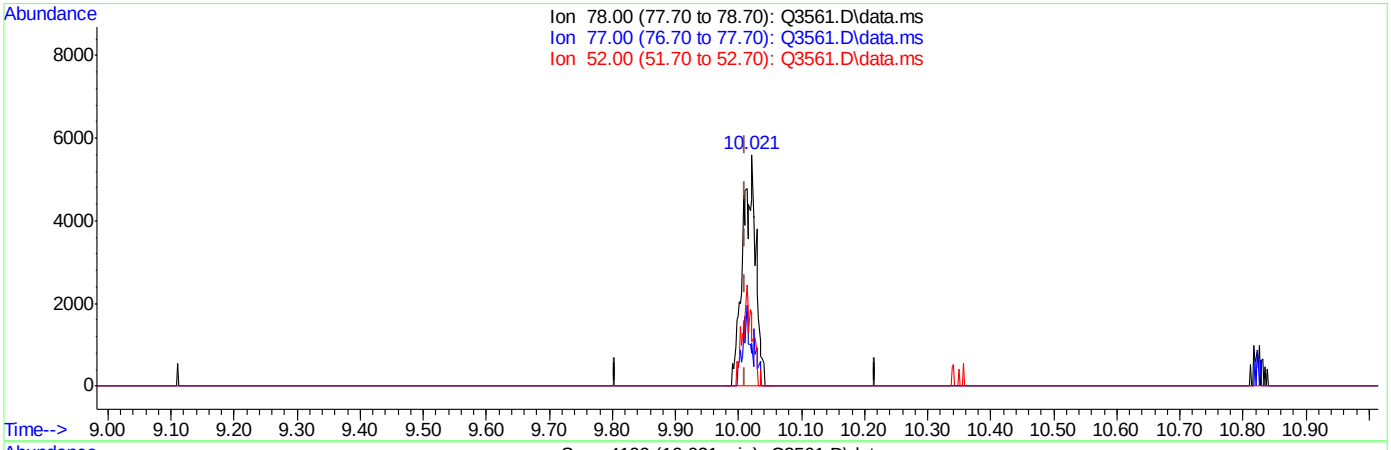
response 3946

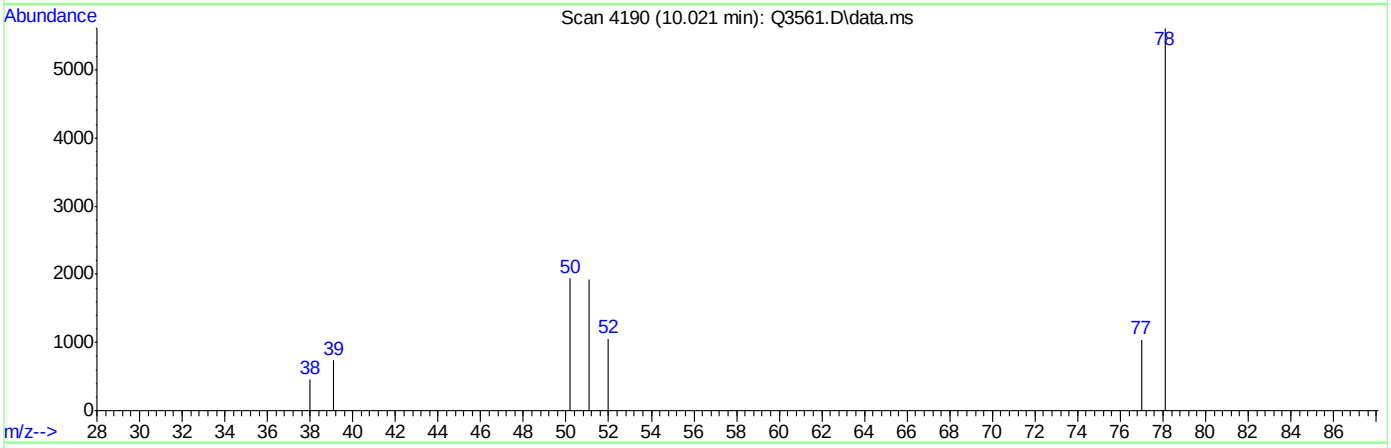
Ion	Exp%	Act%
78.00	100	100
77.00	23.10	34.26
52.00	18.10	67.38#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3561.D
Acq On : 30 May 2007 1:09 pm
Operator : PhilipB
Sample : IC193-.5 (M007
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 30 13:57:21 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 13:01:34 2007
Response via : Initial Calibration





TIC: Q3561.D\data.ms

(36) BENZENE (m)

10.021min (+0.011) 0.71PPBV m

response 8341

Ion	Exp%	Act%
78.00	100	100
77.00	23.10	16.21
52.00	18.10	31.88
0.00	0.00	0.00

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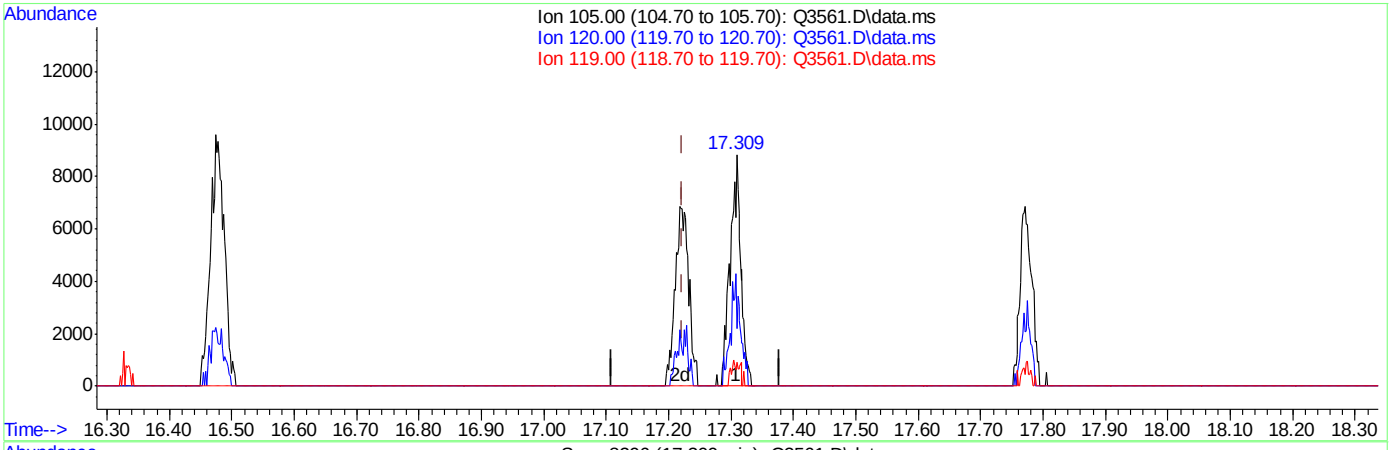
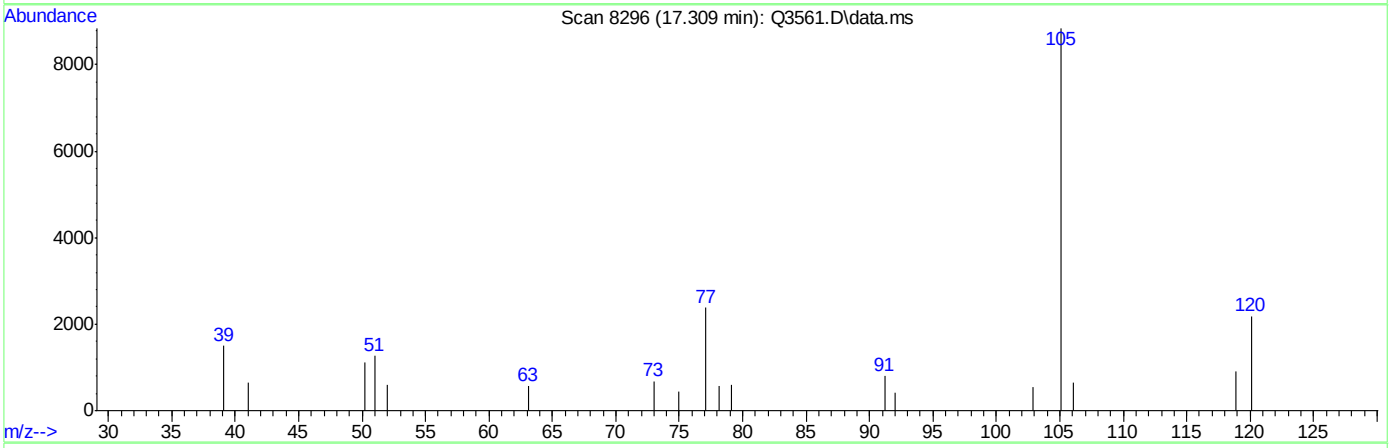
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3561.D
Acq On : 30 May 2007 1:09 pm
Operator : PhilipB
Sample : IC193-.5 (M007
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 30 13:57:21 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 13:01:34 2007
Response via : Initial Calibration





TIC: Q3561.D\data.ms

(65) 4-ETHYLTOLUENE (m)

17.309min (+0.086) 0.53PPBV

response 10979

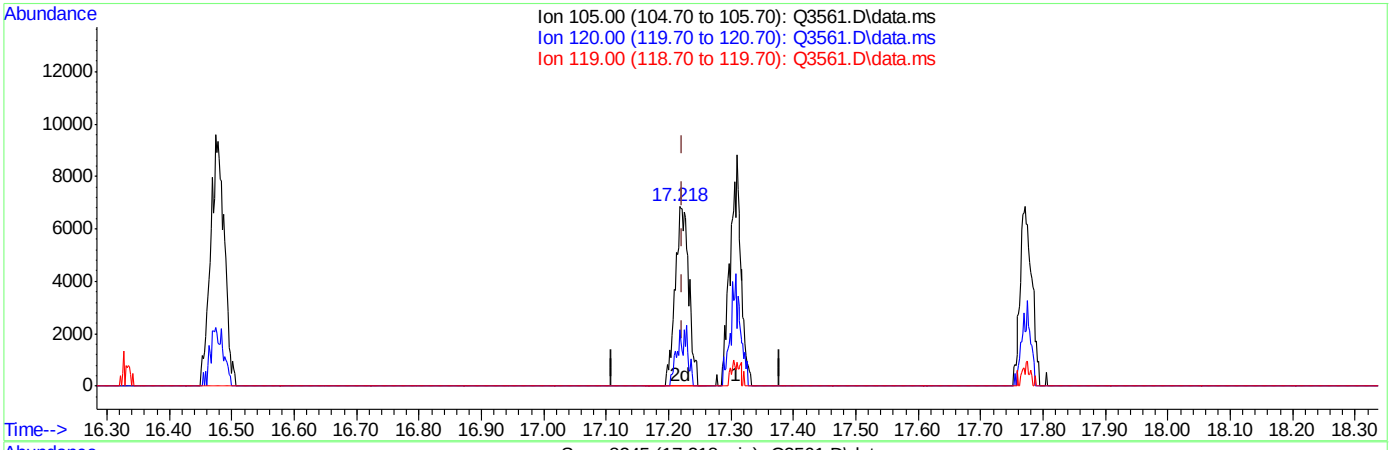
Ion	Exp%	Act%
105.00	100	100
120.00	30.20	43.99
119.00	2.30	8.91
0.00	0.00	0.00

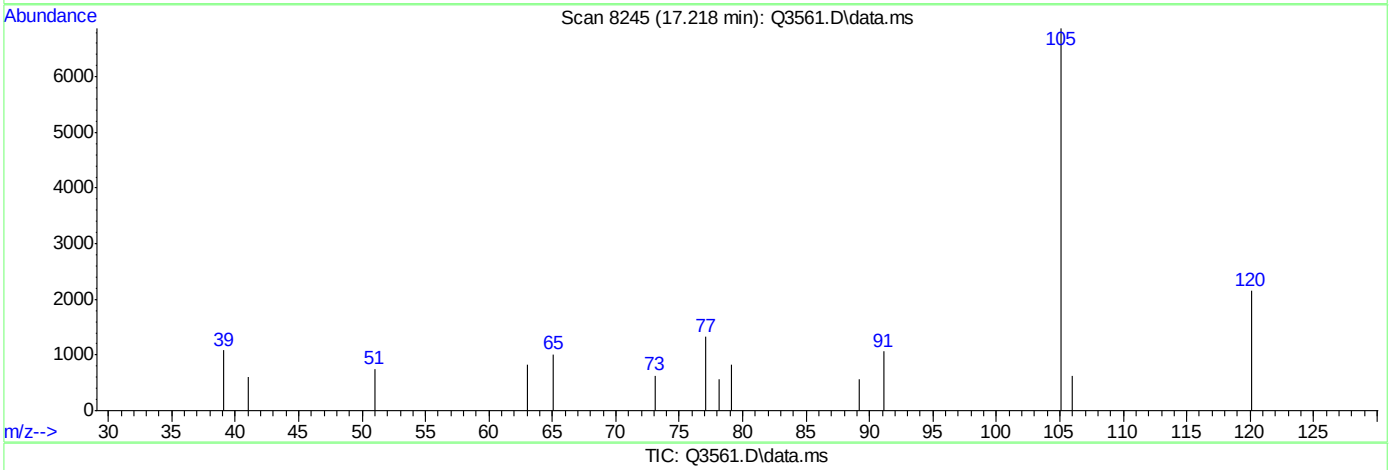
ACCUTEST Laboratories M65404

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3561.D
Acq On : 30 May 2007 1:09 pm
Operator : PhilipB
Sample : IC193-.5 (M007
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 30 13:57:21 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 13:01:34 2007
Response via : Initial Calibration





TIC: Q3561.D\data.ms

(65) 4-ETHYLTOLUENE (m)

17.218min (-0.005) 0.50PPBV m

response 10279

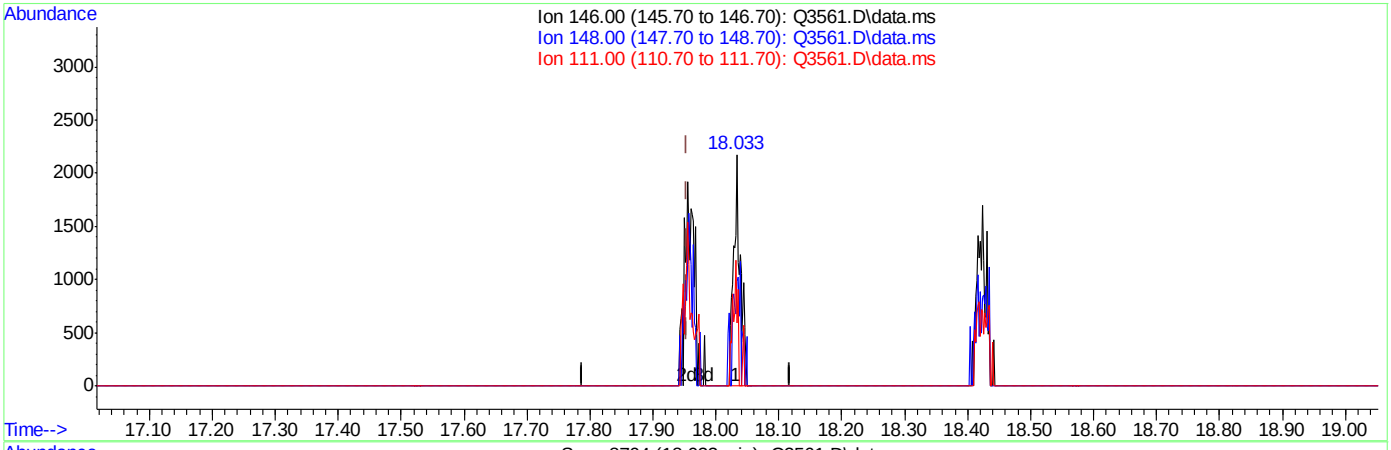
Ion	Exp%	Act%
105.00	100	100
120.00	30.20	46.99
119.00	2.30	9.51
0.00	0.00	0.00

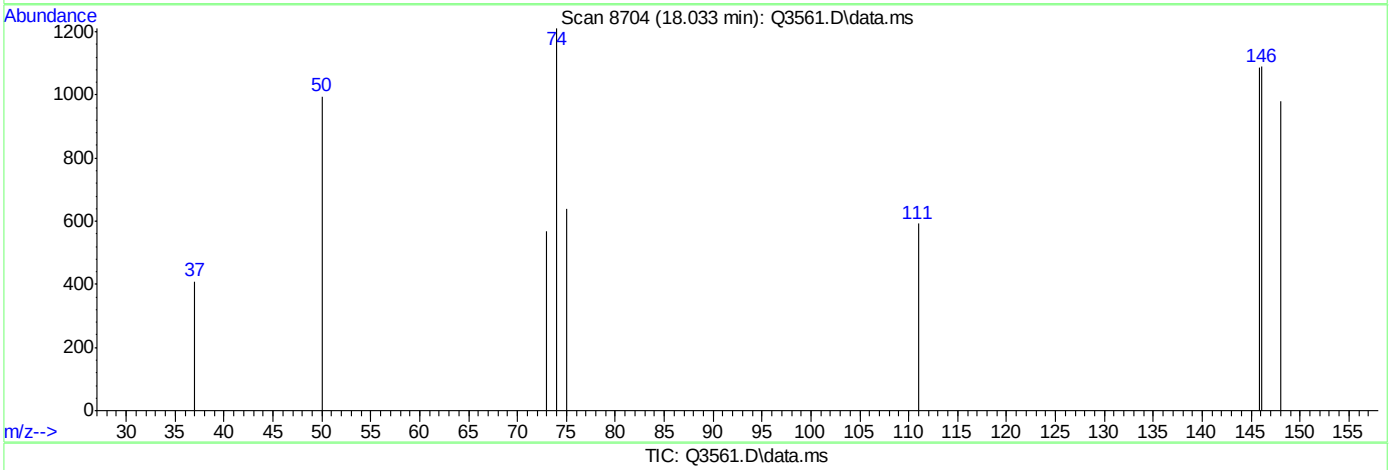
ACCUTEST Laboratories M65404

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3561.D
Acq On : 30 May 2007 1:09 pm
Operator : PhilipB
Sample : IC193-.5 (M007
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 30 13:57:21 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 13:01:34 2007
Response via : Initial Calibration





TIC: Q3561.D\data.ms

(68) m-DICHLOROBENZENE (m)

18.033min (+0.079) 0.25PPBV

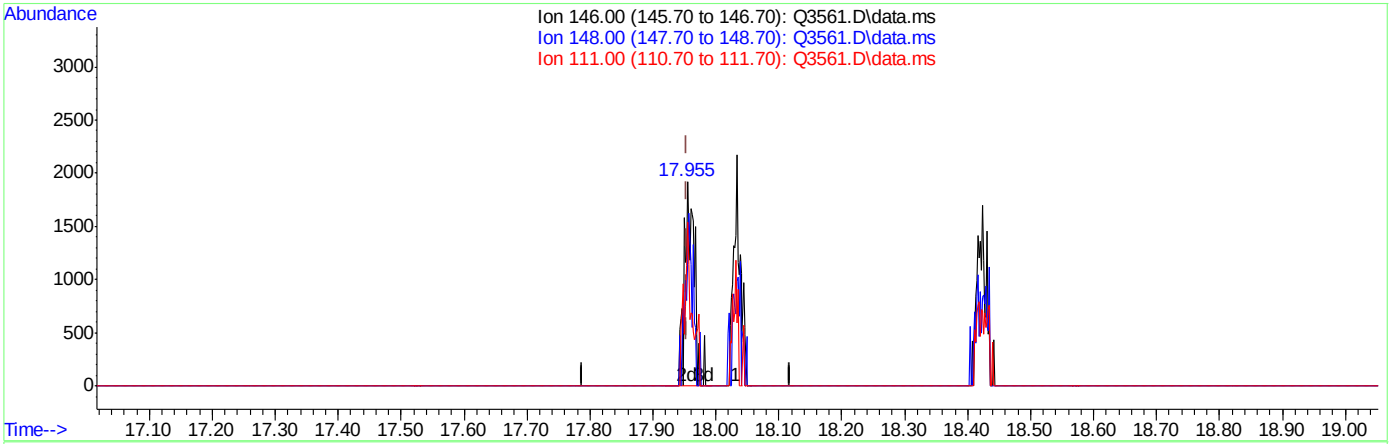
response 1647

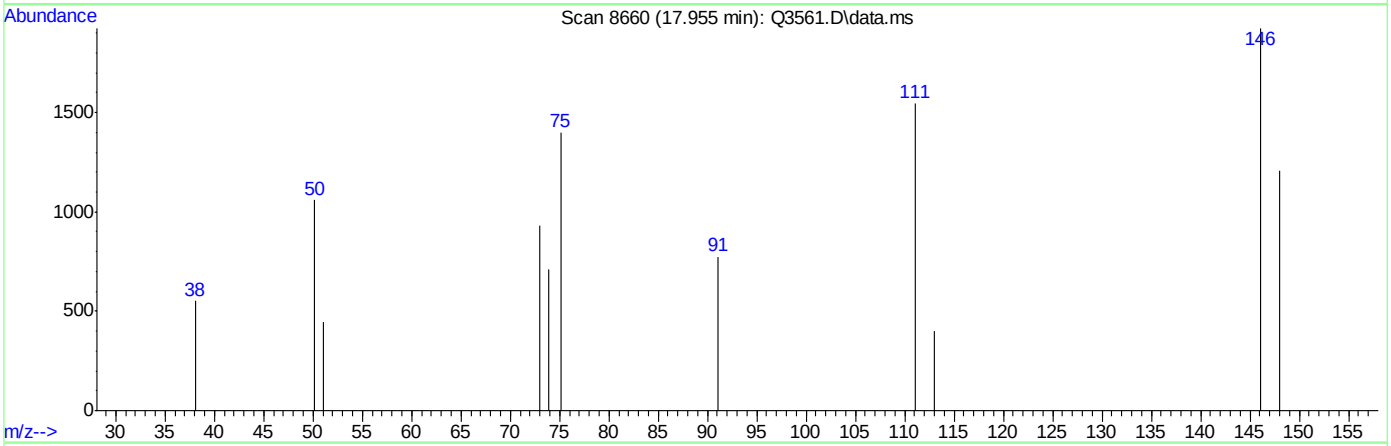
Ion	Exp%	Act%
146.00	100	100
148.00	62.90	61.63
111.00	41.00	36.61
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3561.D
Acq On : 30 May 2007 1:09 pm
Operator : PhilipB
Sample : IC193-.5 (M007
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 30 13:57:21 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 13:01:34 2007
Response via : Initial Calibration





TIC: Q3561.D\data.ms

(68) m-DICHLOROBENZENE (m)

17.955min (+0.001) 0.31PPBV m

response 2028

Ion	Exp%	Act%
146.00	100	100
148.00	62.90	50.05
111.00	41.00	29.73
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
05/31/07 11:31

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3562.D
Acq On : 30 May 2007 1:51 pm
Operator : PhilipB
Sample : IC193-.2 (M007
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 30 14:27:58 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 13:58:46 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.426	128	37983	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.351	114	185621	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.692	117	151534	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.332	95	80932	4.93	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 98.60%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	3.614	85	7034	0.28	PPBV	78
3) PROPYLENE	3.538	41	1461	0.30	PPBV	92
4) FREON 114	3.872	85	5242	0.27	PPBV #	100
5) CHLOROMETHANE	3.772	50	1661	0.26	PPBV #	42
6) VINYL CHLORIDE	4.008	62	1535	0.28	PPBV #	35
7) 1,3-BUTADIENE	4.136	39	2136m	0.30	PPBV	
8) BROMOMETHANE	4.417	94	1005	0.20	PPBV #	100
9) CHLOROETHANE	4.583	64	361m	0.16	PPBV	
10) TRICHLOROFLUOROMETHANE	5.412	101	7508	0.31	PPBV #	100
11) ISOPROPYL ALCOHOL	5.476	45	6277	0.54	PPBV	80
12) ACETONE	5.215	43	8787	0.54	PPBV	88
13) PENTANE	5.785	42	2004	0.31	PPBV #	100
14) 1,1-DICHLOROETHYLENE	6.087	96	1298m	0.29	PPBV	
15) CARBON DISULFIDE	6.541	76	3284	0.28	PPBV #	40
16) ETHANOL	4.690	45	1032	0.45	PPBV #	100
17) BROMOETHENE	4.954	106	1039	0.23	PPBV #	100
18) METHYLENE CHLORIDE	6.207	84	7704	0.91	PPBV #	1
19) 3-CHLOROPROPENE	6.337	39	2826	0.34	PPBV #	2
20) FREON 113	6.481	151	2276	0.27	PPBV #	100
21) TRANS-1,2-DICHLOROETHY...	7.187	96	914	0.20	PPBV #	100
22) TERTIARY BUTYL ALCOHOL	6.122	59	4142	0.37	PPBV	100
23) METHYL TERTIARY BUTYL ...	7.464	73	5054	0.33	PPBV #	100
24) TETRAHYDROFURAN	8.979	42	2020	0.30	PPBV	100
25) HEXANE	8.470	57	3639	0.47	PPBV #	100
26) VINYL ACETATE	7.542	43	5482	0.33	PPBV #	63
27) 1,1-DICHLOROETHANE	7.393	63	3414m	0.29	PPBV	
28) METHYL ETHYL KETONE	7.821	43	5618	0.37	PPBV	65
29) cis-1,2-DICHLOROETHYLENE	8.255	96	667m	0.17	PPBV	
30) ETHYL ACETATE	8.470	43	8799	0.37	PPBV #	100
31) CHLOROFORM	8.559	83	4384	0.31	PPBV #	100
32) 1,1,1-TRICHLOROETHANE	9.554	97	4585	0.28	PPBV	88
33) CARBON TETRACHLORIDE	10.170	117	4662	0.27	PPBV	89
34) 1,2-DICHLOROETHANE	9.301	62	4018	0.29	PPBV #	68
36) BENZENE	10.009	78	3196m	0.31	PPBV	
37) CYCLOHEXANE	10.287	84	735	0.19	PPBV #	1
38) TRICHLOROETHYLENE	11.051	95	1636	0.25	PPBV #	40
39) 1,2-DICHLOROPROPANE	10.829	63	1194m	0.25	PPBV	
40) BROMODICHLOROMETHANE	11.008	83	3923	0.27	PPBV	91
41) 2,2,4-TRIMETHYLPENTANE	11.083	57	6241	0.28	PPBV #	82
43) HEPTANE	11.335	43	3094	0.29	PPBV #	50
44) METHYL ISOBUTYL KETONE	11.933	43	4154	0.29	PPBV #	67

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3562.D
Acq On : 30 May 2007 1:51 pm
Operator : PhilipB
Sample : IC193-.2 (M007
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 30 14:27:58 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 13:58:46 2007
Response via : Initial Calibration

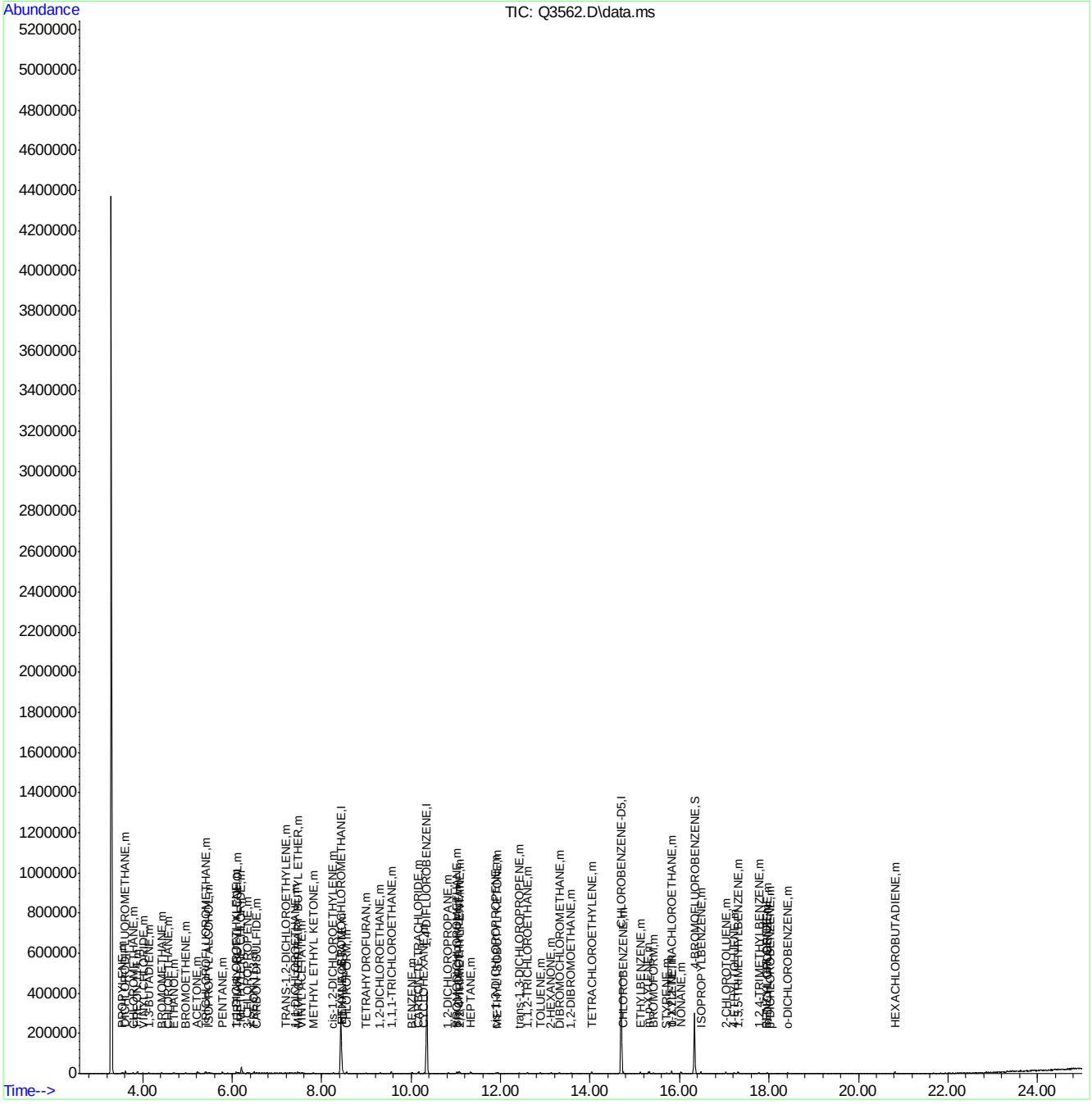
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) cis-1,3-DICHLOROPROPENE	11.899	75	1436m	0.20	PPBV		
46) TOLUENE	12.877	92	1951	0.26	PPBV		88
47) trans-1,3-DICHLOROPROPENE	12.421	75	1136	0.16	PPBV	#	43
48) 1,1,2-TRICHLOROETHANE	12.604	83	885m	0.20	PPBV		
50) 2-HEXANONE	13.127	43	3293	0.33	PPBV	#	64
51) TETRACHLOROETHYLENE	14.039	164	694m	0.15	PPBV		
52) DIBROMOCHLOROMETHANE	13.321	129	2299	0.21	PPBV	#	80
53) 1,2-DIBROMOETHANE	13.571	107	1934	0.25	PPBV	#	70
54) CHLOROBENZENE	14.739	112	2136	0.24	PPBV	#	73
55) ETHYLBENZENE	15.129	91	4759	0.26	PPBV		78
56) m,p-XYLENE	15.301	106	2902m	0.47	PPBV		
57) o-XYLENE	15.821	106	1396	0.22	PPBV	#	9
58) STYRENE	15.708	104	1287	0.18	PPBV	#	66
59) NONANE	16.032	43	4331	0.28	PPBV	#	66
60) BROMOFORM	15.415	173	1446m	0.18	PPBV		
62) 1,1,2,2-TETRACHLOROETHANE	15.819	83	2881	0.36	PPBV	#	65
63) ISOPROPYLBENZENE	16.476	105	4926	0.24	PPBV		76
64) 2-CHLOROTOLUENE	17.033	91	3615	0.23	PPBV		75
65) 4-ETHYLTOLUENE	17.223	105	3670m	0.22	PPBV		
66) 1,3,5-TRIMETHYLBENZENE	17.310	105	3542	0.22	PPBV		86
67) 1,2,4-TRIMETHYLBENZENE	17.768	105	3292	0.25	PPBV		79
68) m-DICHLOROBENZENE	17.960	146	787m	0.15	PPBV		
69) BENZYL CHLORIDE	17.944	91	474m	0.09	PPBV		
70) p-DICHLOROBENZENE	18.040	146	477m	0.11	PPBV		
71) o-DICHLOROBENZENE	18.416	146	960	0.23	PPBV	#	68
72) HEXACHLOROBUTADIENE	20.814	225	985	0.65	PPBV	#	42

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3562.D
Acq On : 30 May 2007 1:51 pm
Operator : PhilipB
Sample : IC193-.2 (M007
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 2 Sample Multiplier: 1

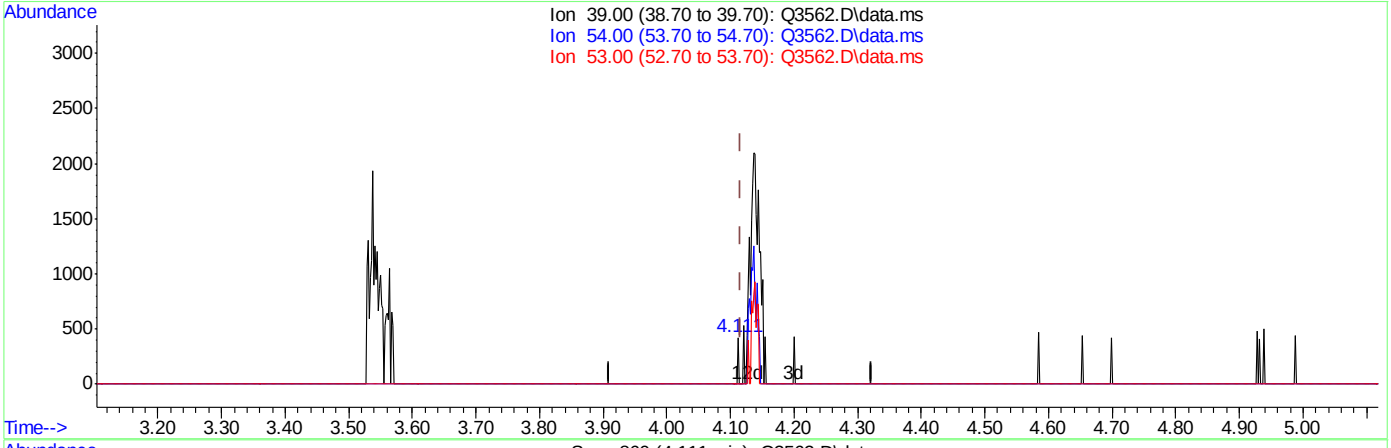
Quant Time: May 30 14:27:58 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 13:58:46 2007
Response via : Initial Calibration

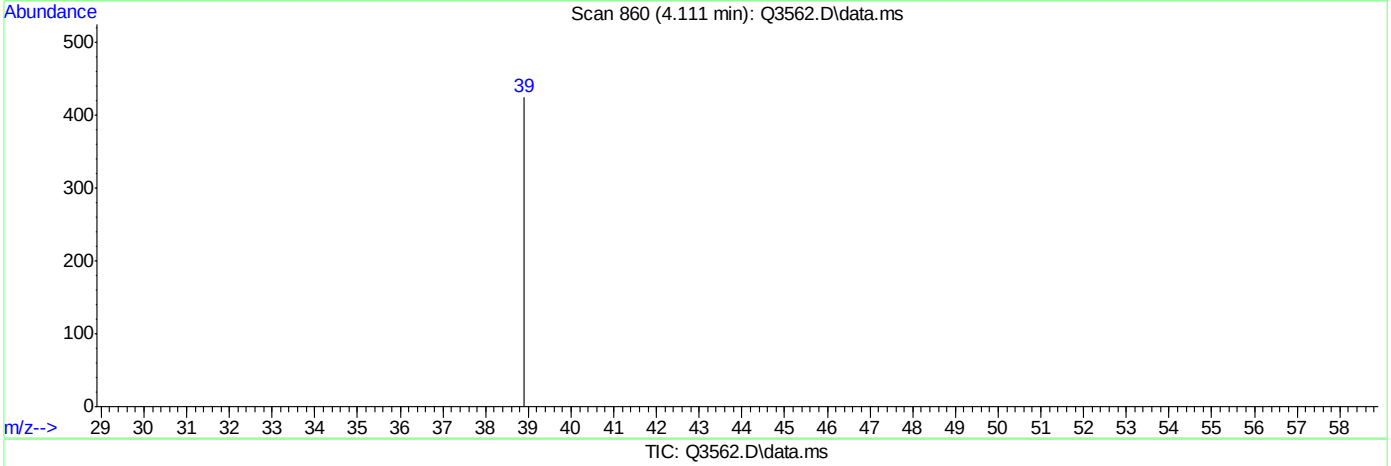


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3562.D
Acq On : 30 May 2007 1:51 pm
Operator : PhilipB
Sample : IC193-.2 (M007
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 30 14:25:01 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 13:58:46 2007
Response via : Initial Calibration





TIC: Q3562.D\data.ms

(7) 1,3-BUTADIENE (m)

4.111min (-0.005) 0.01PPBV

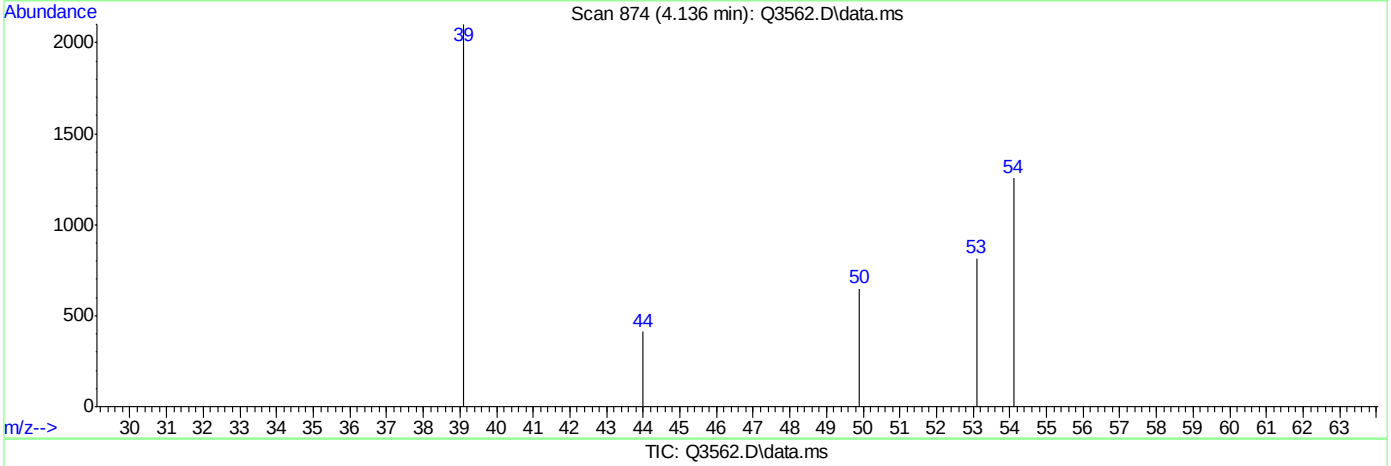
response 45

Ion	Exp%	Act%
39.00	100	100
54.00	0.00	0.00
53.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3562.D
Acq On : 30 May 2007 1:51 pm
Operator : PhilipB
Sample : IC193-.2 (M007
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 30 14:25:01 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 13:58:46 2007
Response via : Initial Calibration



TIC: Q3562.D\data.ms

(7) 1,3-BUTADIENE (m)

4.136min (+0.019) 0.30PPBV m

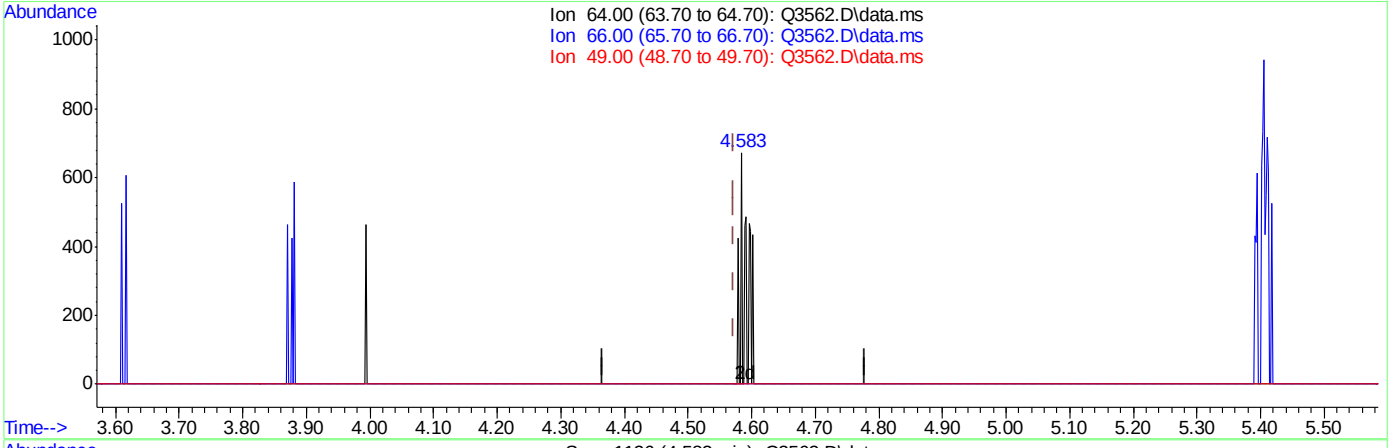
response 2136

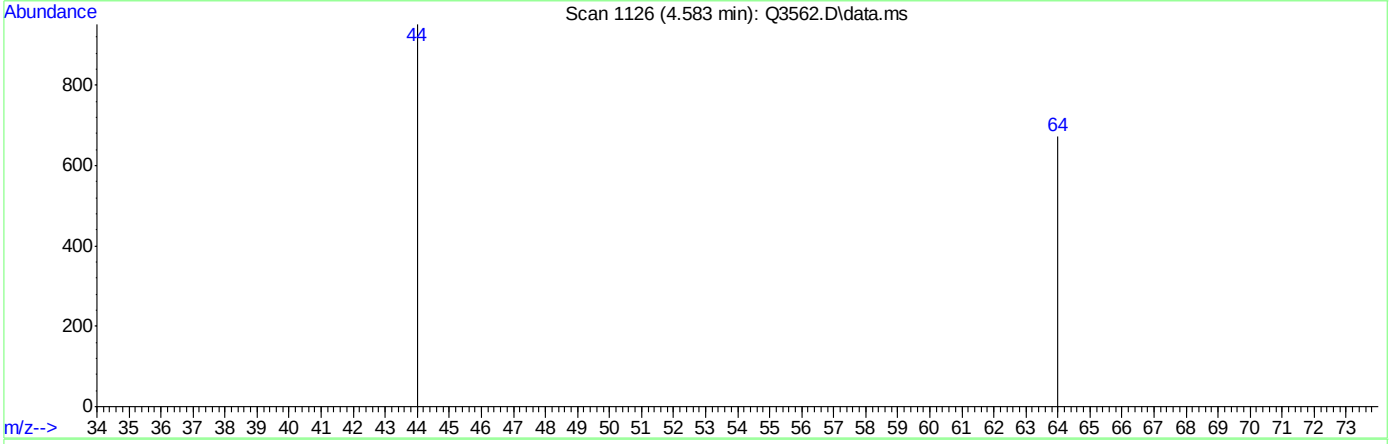
Ion	Exp%	Act%
39.00	100	100
54.00	0.00	0.00
53.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3562.D
Acq On : 30 May 2007 1:51 pm
Operator : PhilipB
Sample : IC193-.2 (M007
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 30 14:25:01 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 13:58:46 2007
Response via : Initial Calibration





TIC: Q3562.D\data.ms

(9) CHLOROETHANE (m)

4.583min (+0.011) 0.05PPBV

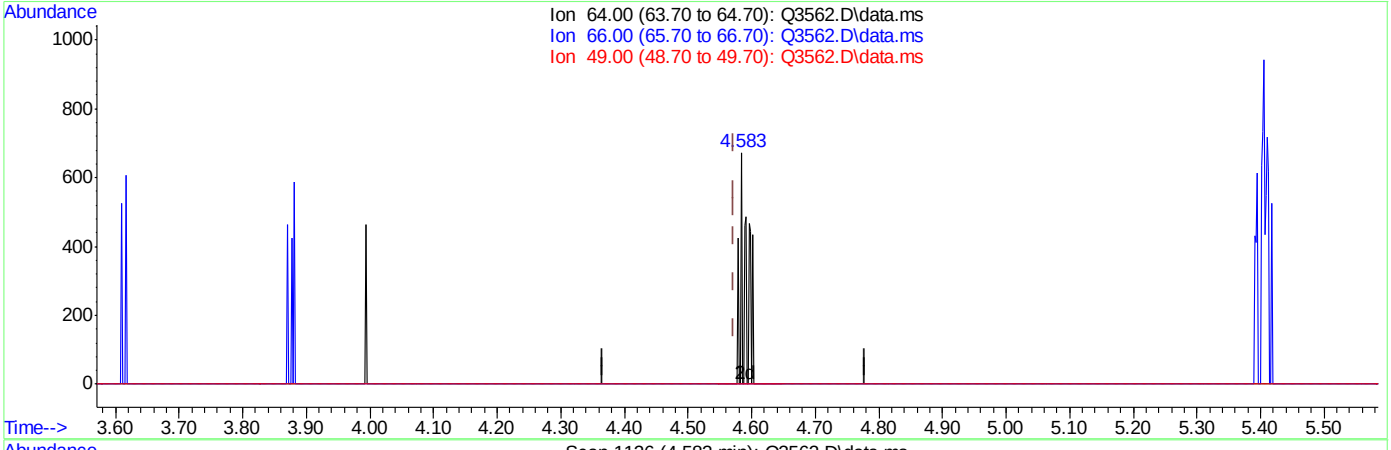
response 117

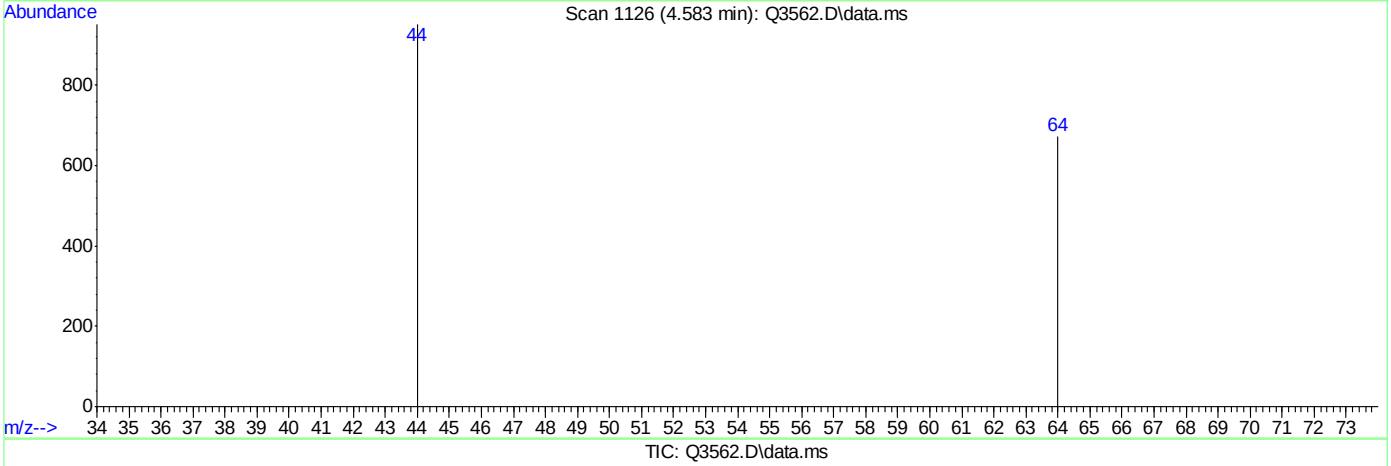
Ion	Exp%	Act%
64.00	100	100
66.00	0.00	0.00
49.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3562.D
Acq On : 30 May 2007 1:51 pm
Operator : PhilipB
Sample : IC193-.2 (M007
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 30 14:25:01 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 13:58:46 2007
Response via : Initial Calibration





TIC: Q3562.D\data.ms

(9) CHLOROETHANE (m)

4.583min (+0.011) 0.16PPBV m

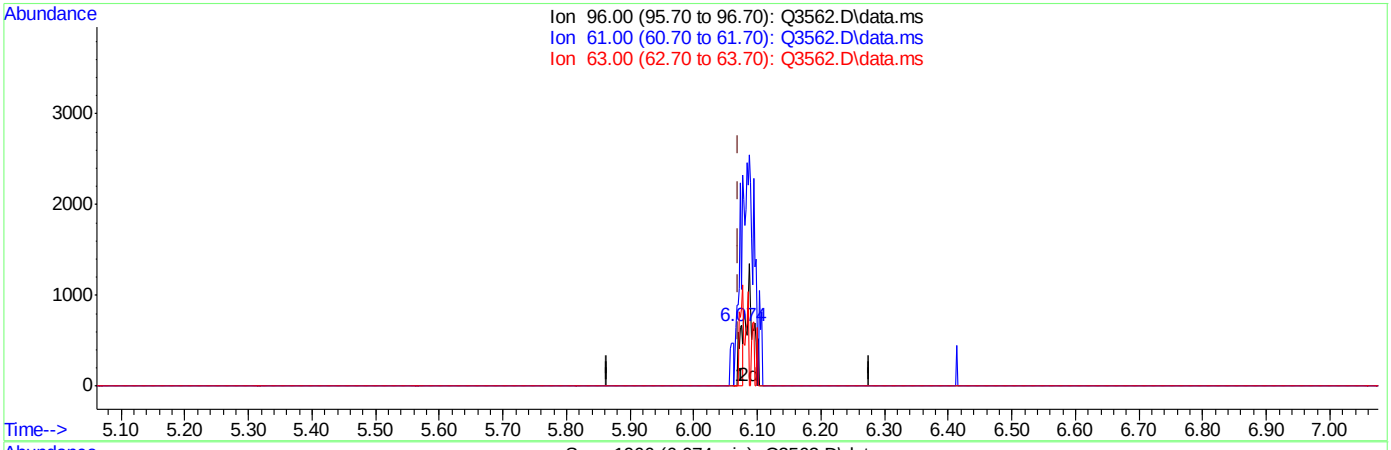
response 361

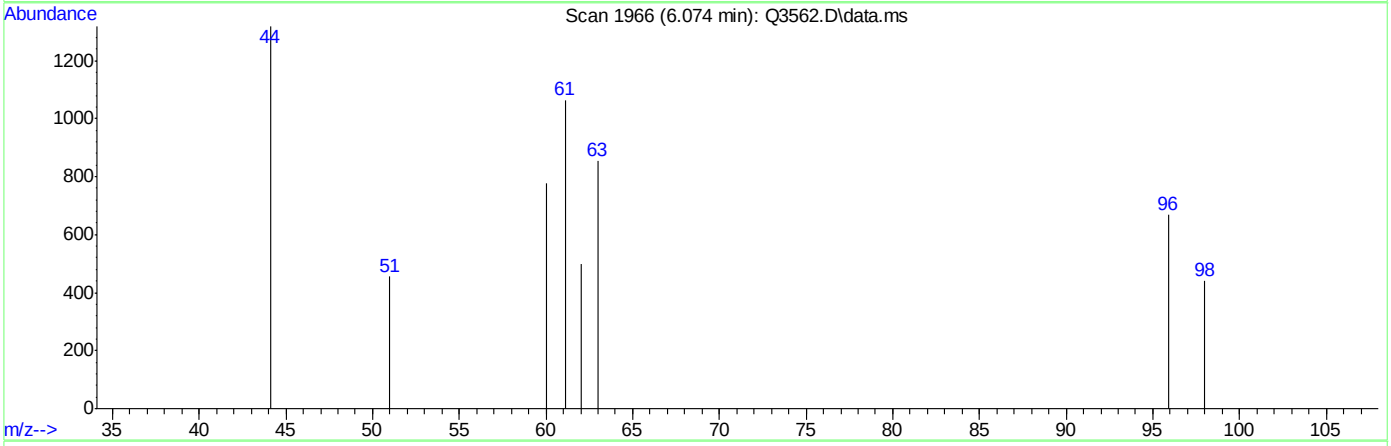
Ion	Exp%	Act%
64.00	100	100
66.00	0.00	0.00
49.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3562.D
Acq On : 30 May 2007 1:51 pm
Operator : PhilipB
Sample : IC193-.2 (M007
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 30 14:25:01 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 13:58:46 2007
Response via : Initial Calibration





TIC: Q3562.D\data.ms

(14) 1,1-DICHLOROETHYLENE (m)

6.074min (+0.003) 0.07PPBV

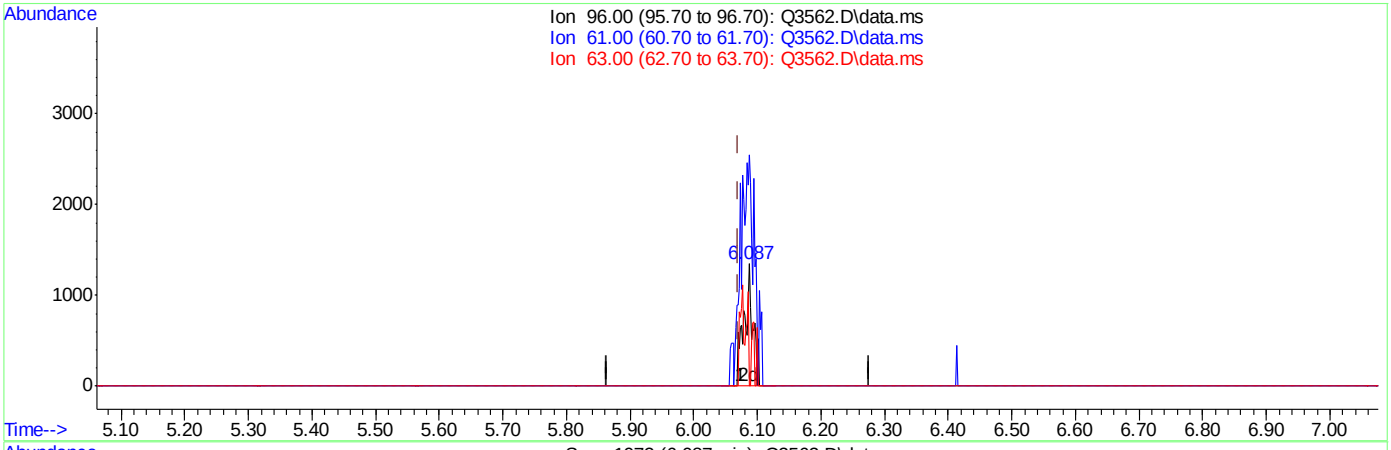
response 296

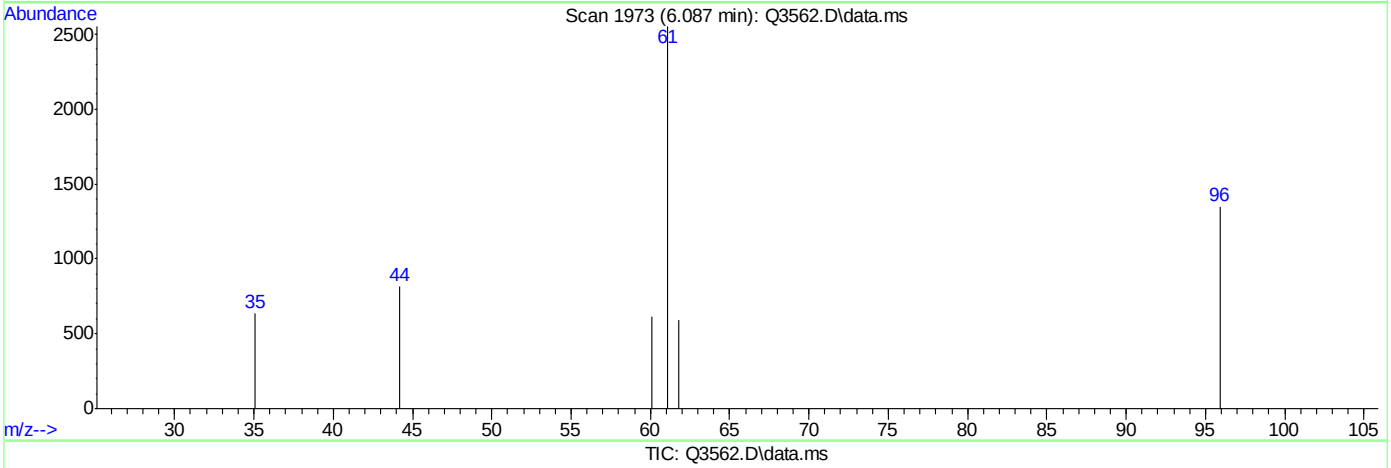
Ion	Exp%	Act%
96.00	100	100
61.00	0.10	515.54#
63.00	0.00	245.95#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3562.D
Acq On : 30 May 2007 1:51 pm
Operator : PhilipB
Sample : IC193-.2 (M007
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 30 14:25:01 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 13:58:46 2007
Response via : Initial Calibration





TIC: Q3562.D\data.ms

(14) 1,1-DICHLOROETHYLENE (m)

6.087min (+0.016) 0.29PPBV m

response 1298

Ion	Exp%	Act%
96.00	100	100
61.00	0.10	117.57#
63.00	0.00	56.09#
0.00	0.00	0.00

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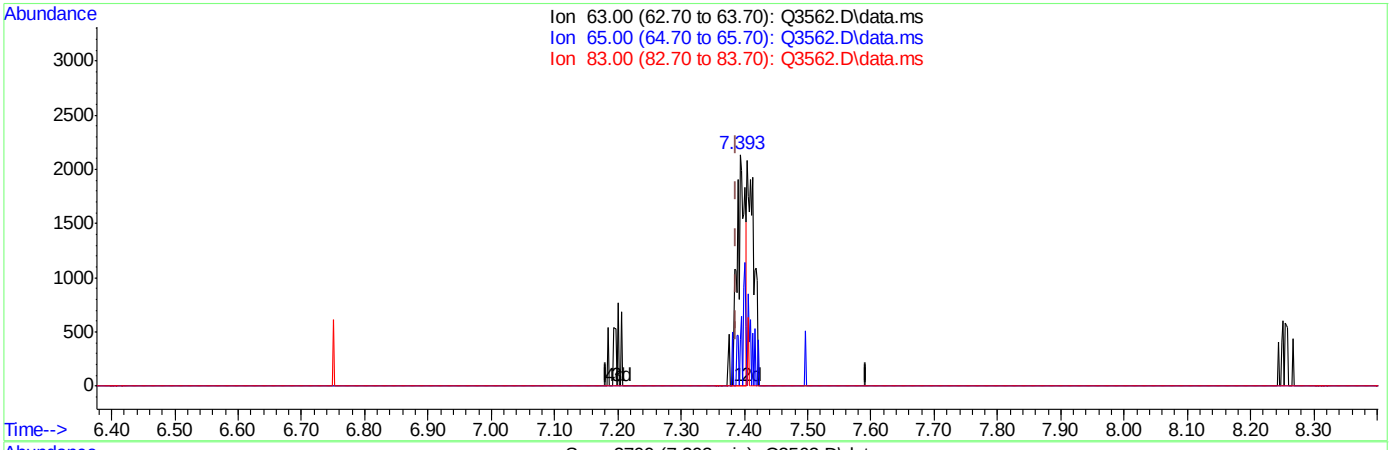
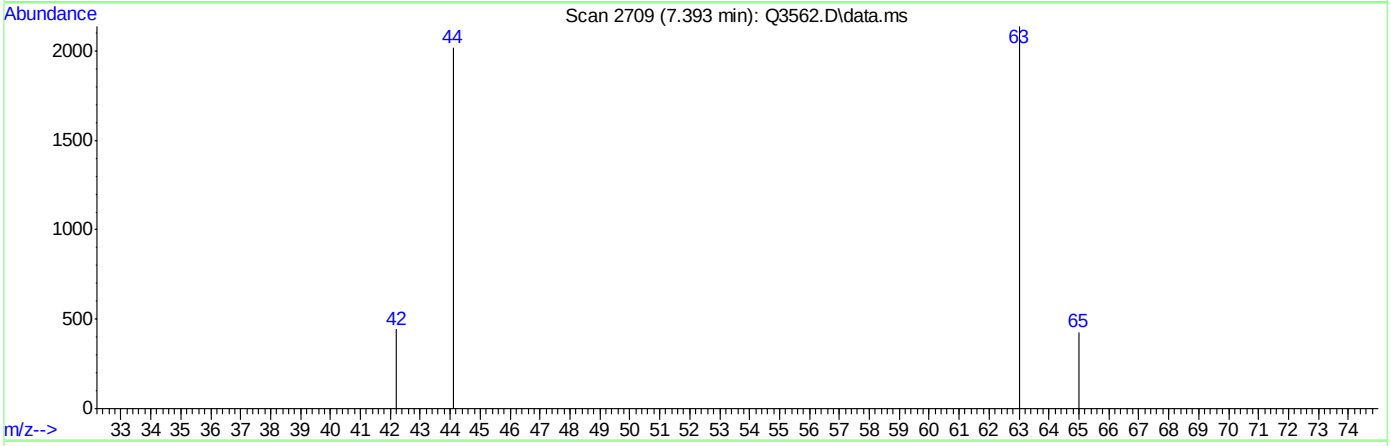
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3562.D
Acq On : 30 May 2007 1:51 pm
Operator : PhilipB
Sample : IC193-.2 (M007
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 30 14:25:01 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 13:58:46 2007
Response via : Initial Calibration





TIC: Q3562.D\data.ms

(27) 1,1-DICHLOROETHANE (m)

7.393min (+0.005) 0.15PPBV

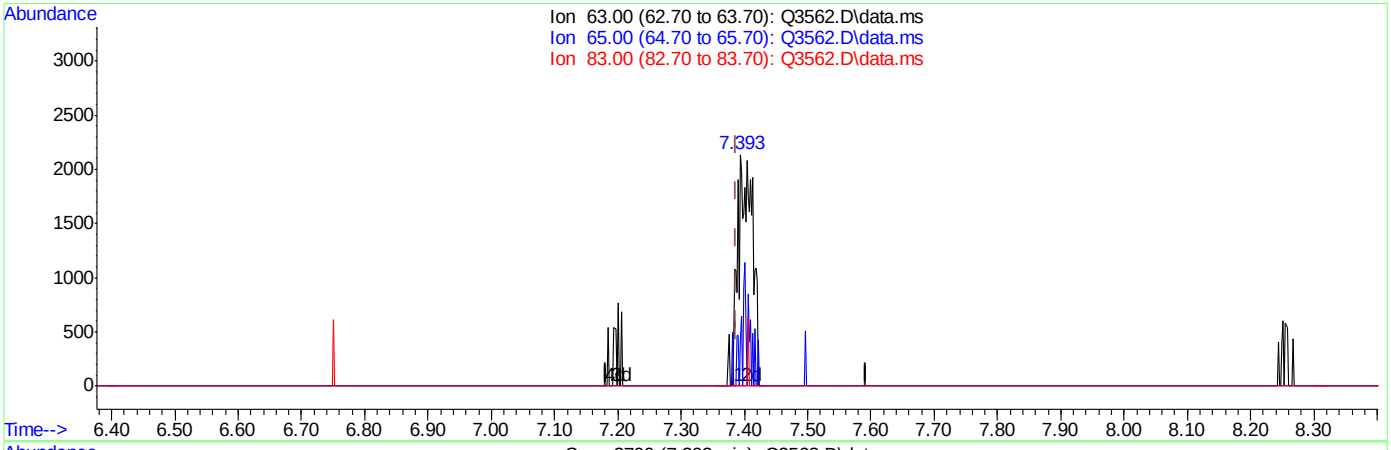
response 1783

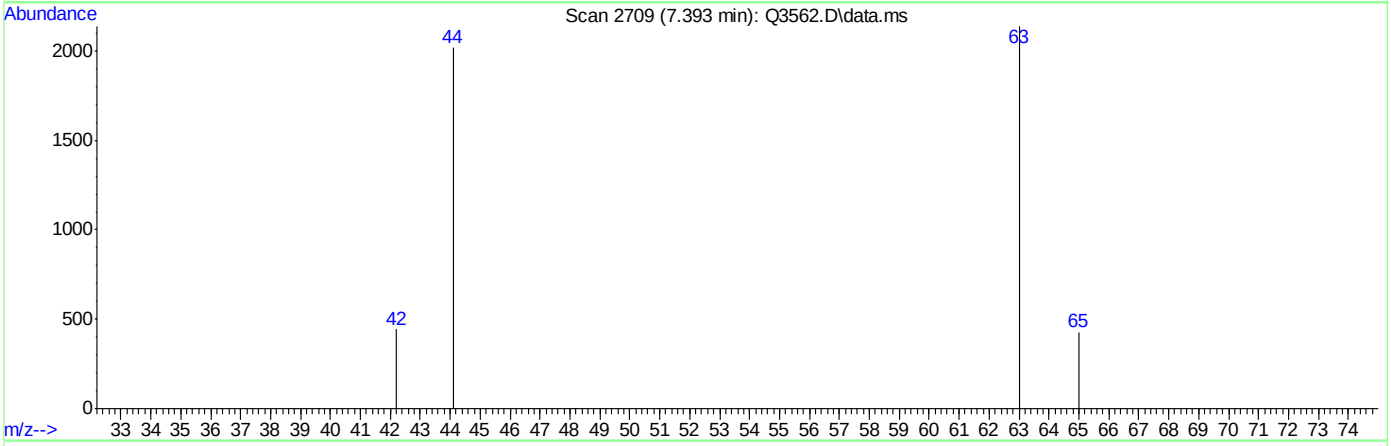
Ion	Exp%	Act%
63.00	100	100
65.00	0.00	2.97
83.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3562.D
Acq On : 30 May 2007 1:51 pm
Operator : PhilipB
Sample : IC193-.2 (M007
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 30 14:25:01 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 13:58:46 2007
Response via : Initial Calibration





TIC: Q3562.D\data.ms

(27) 1,1-DICHLOROETHANE (m)

7.393min (+0.005) 0.29PPBV m

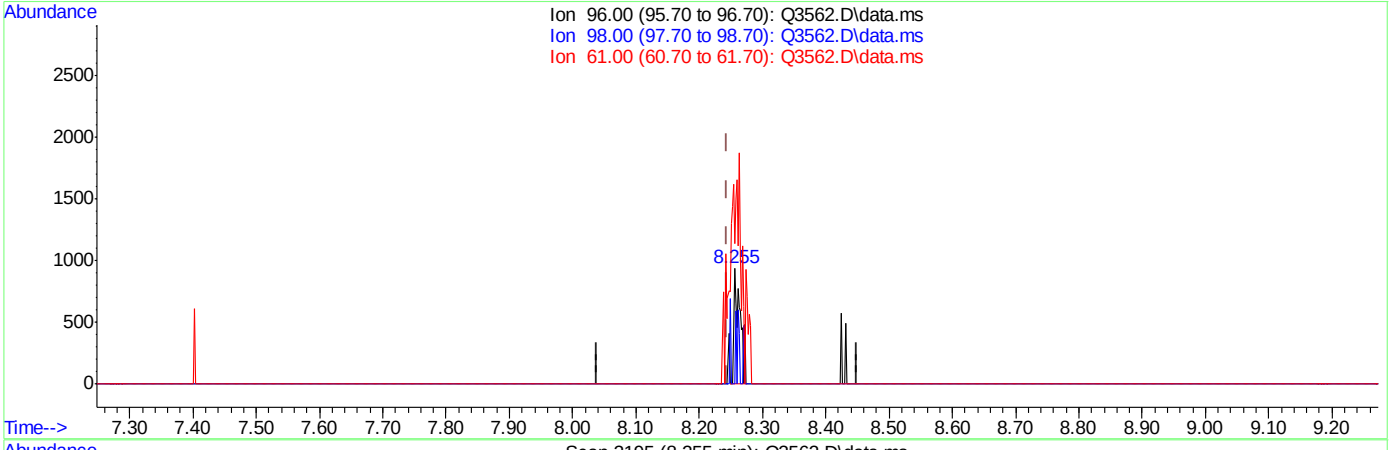
response 3414

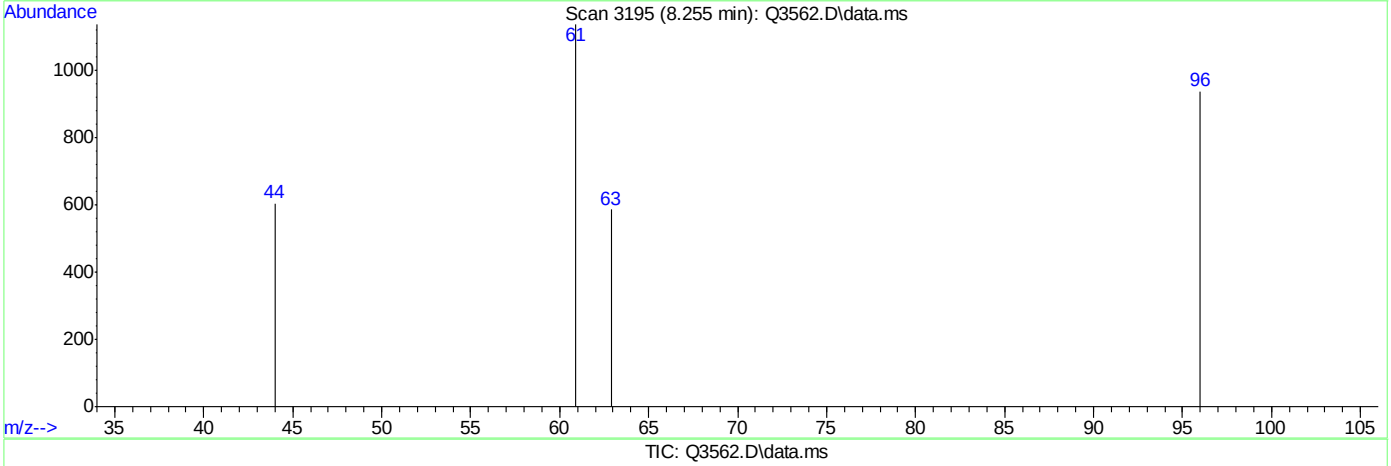
Ion	Exp%	Act%
63.00	100	100
65.00	0.00	1.55
83.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3562.D
Acq On : 30 May 2007 1:51 pm
Operator : PhilipB
Sample : IC193-.2 (M007
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 30 14:25:01 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 13:58:46 2007
Response via : Initial Calibration





TIC: Q3562.D\data.ms

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

8.255min (+0.011) 0.16PPBV

response 623

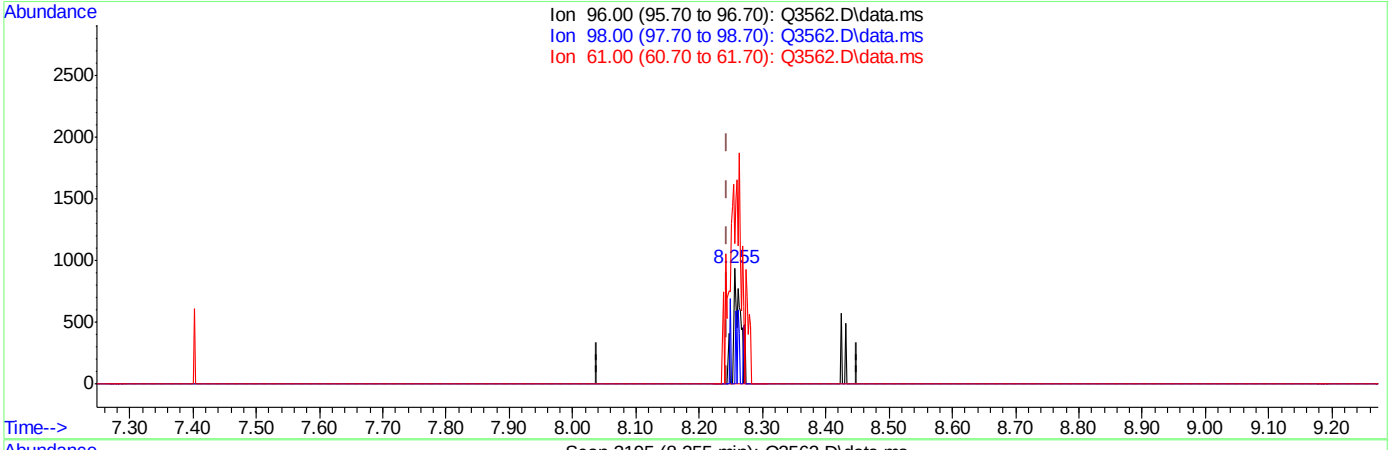
Ion	Exp%	Act%
96.00	100	100
98.00	0.00	17.34
61.00	0.00	179.61#
0.00	0.00	0.00

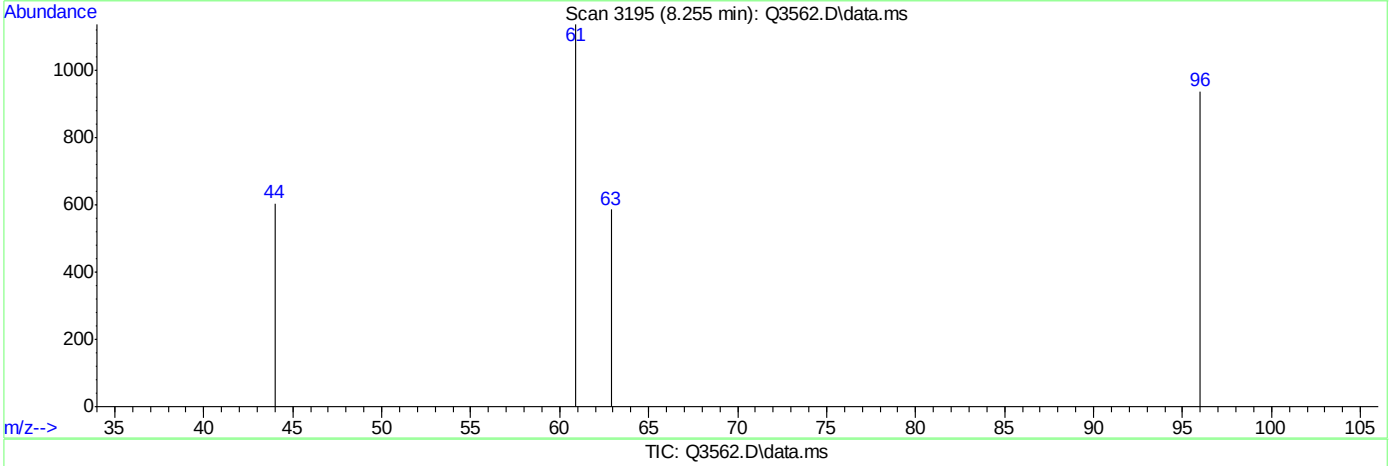
ACCUTEST Laboratories M65404

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3562.D
Acq On : 30 May 2007 1:51 pm
Operator : PhilipB
Sample : IC193-.2 (M007
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 30 14:25:01 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 13:58:46 2007
Response via : Initial Calibration





TIC: Q3562.D\data.ms

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

8.255min (+0.011) 0.17PPBV m

response 667

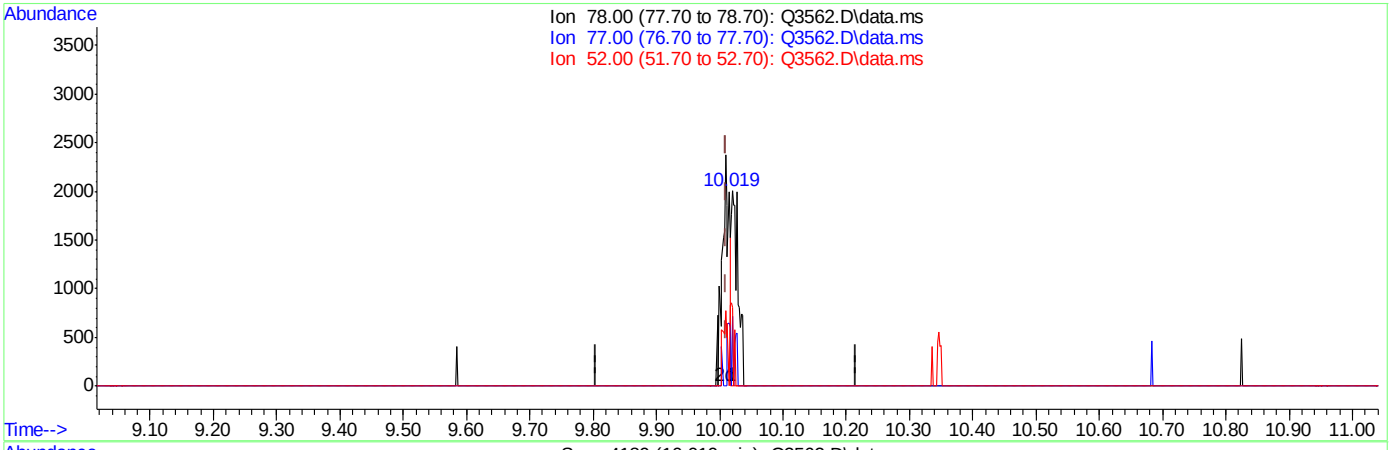
Ion	Exp%	Act%
96.00	100	100
98.00	0.00	16.19
61.00	0.00	167.77#
0.00	0.00	0.00

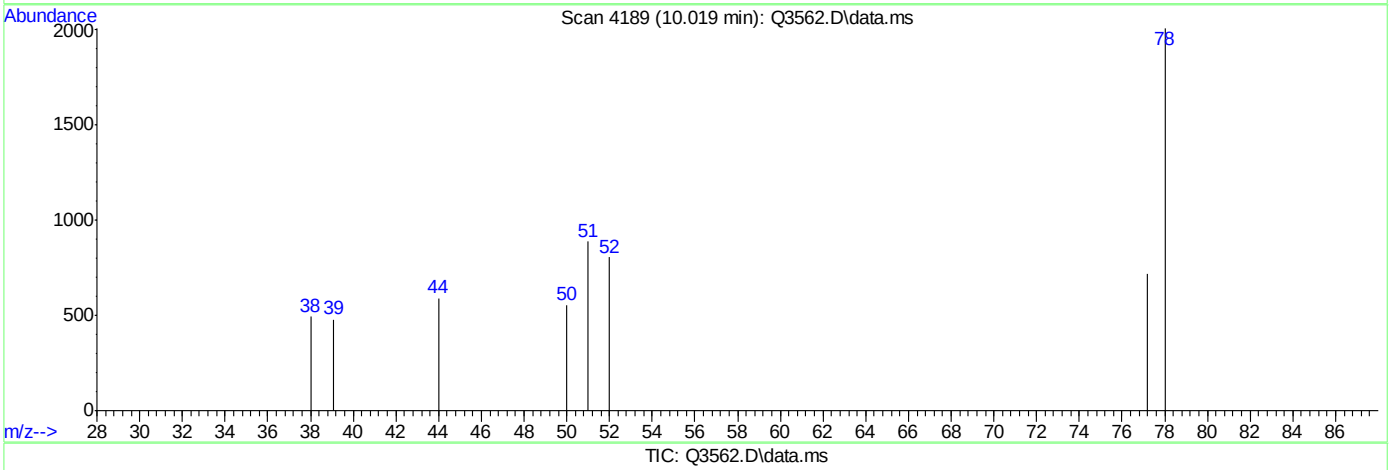
ACCUTEST Laboratories M65404

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3562.D
Acq On : 30 May 2007 1:51 pm
Operator : PhilipB
Sample : IC193-.2 (M007
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 30 14:25:01 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 13:58:46 2007
Response via : Initial Calibration





TIC: Q3562.D\data.ms

(36) BENZENE (m)

10.019min (+0.009) 0.15PPBV

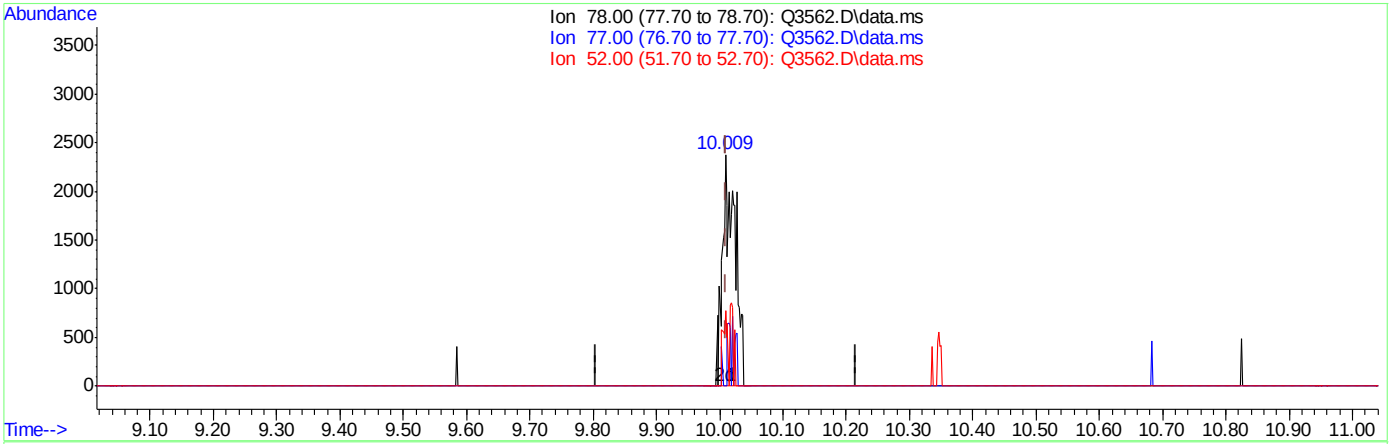
response 1509

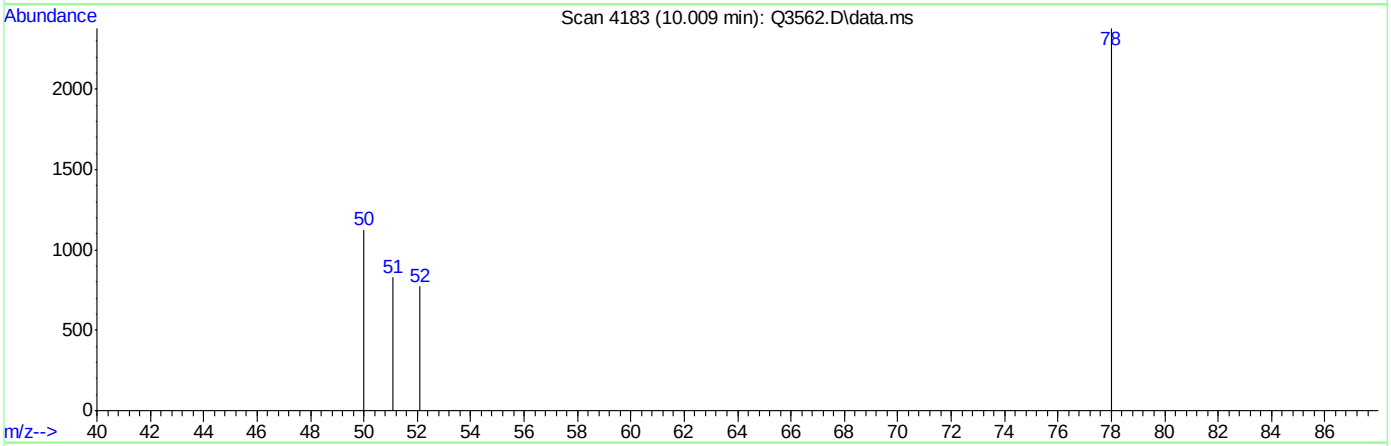
Ion	Exp%	Act%
78.00	100	100
77.00	23.10	29.09
52.00	18.10	47.05#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3562.D
Acq On : 30 May 2007 1:51 pm
Operator : PhilipB
Sample : IC193-.2 (M007
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 30 14:25:01 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 13:58:46 2007
Response via : Initial Calibration





TIC: Q3562.D\data.ms

(36) BENZENE (m)

10.009min (-0.002) 0.31PPBV m

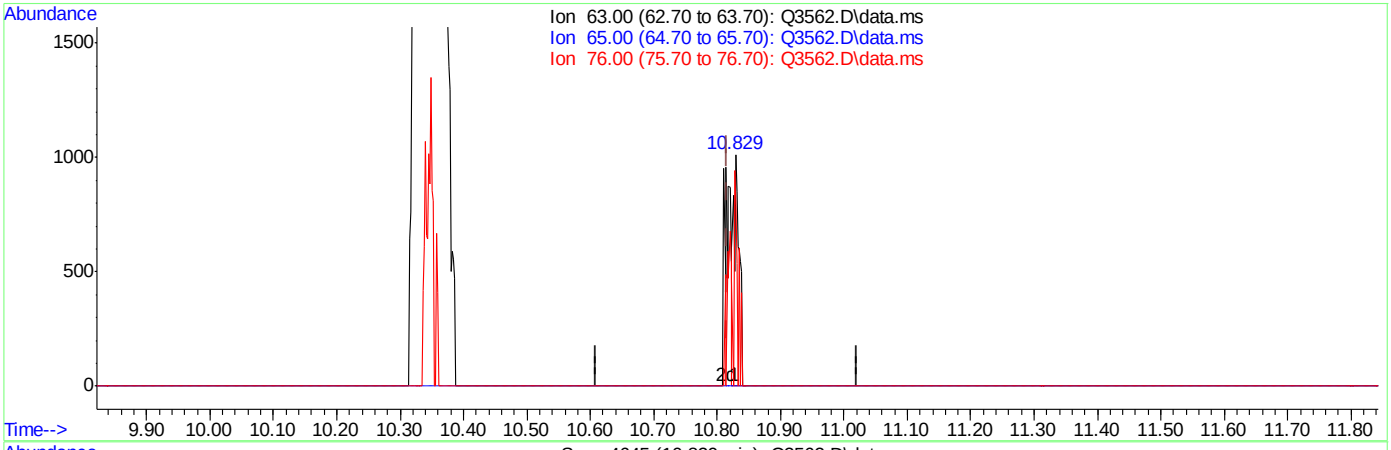
response 3196

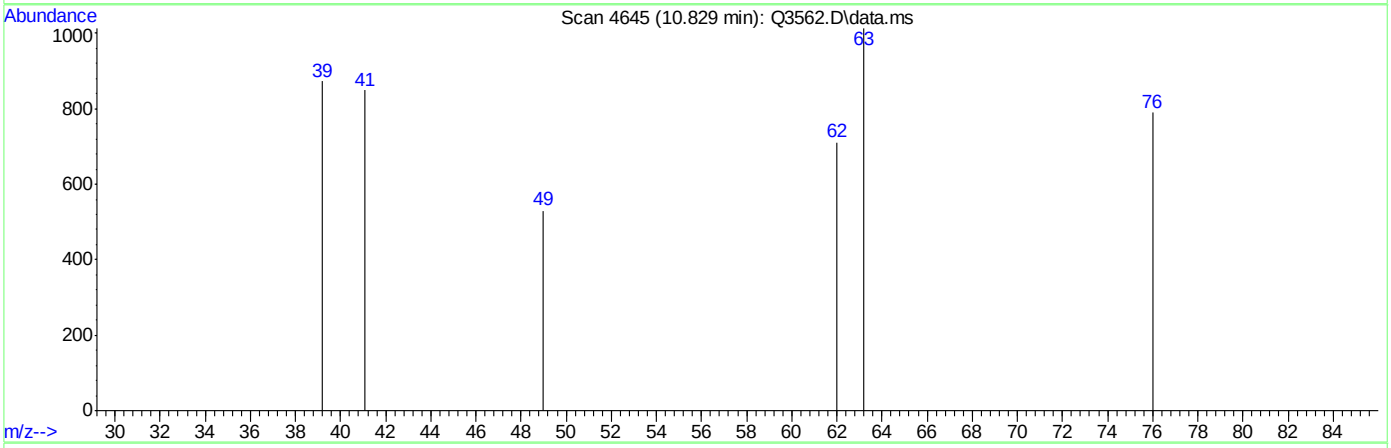
Ion	Exp%	Act%
78.00	100	100
77.00	23.10	13.74
52.00	18.10	22.22
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3562.D
Acq On : 30 May 2007 1:51 pm
Operator : PhilipB
Sample : IC193-.2 (M007
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 30 14:25:01 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 13:58:46 2007
Response via : Initial Calibration





TIC: Q3562.D\data.ms

(39) 1,2-DICHLOROPROPANE (m)

10.829min (+0.012) 0.13PPBV

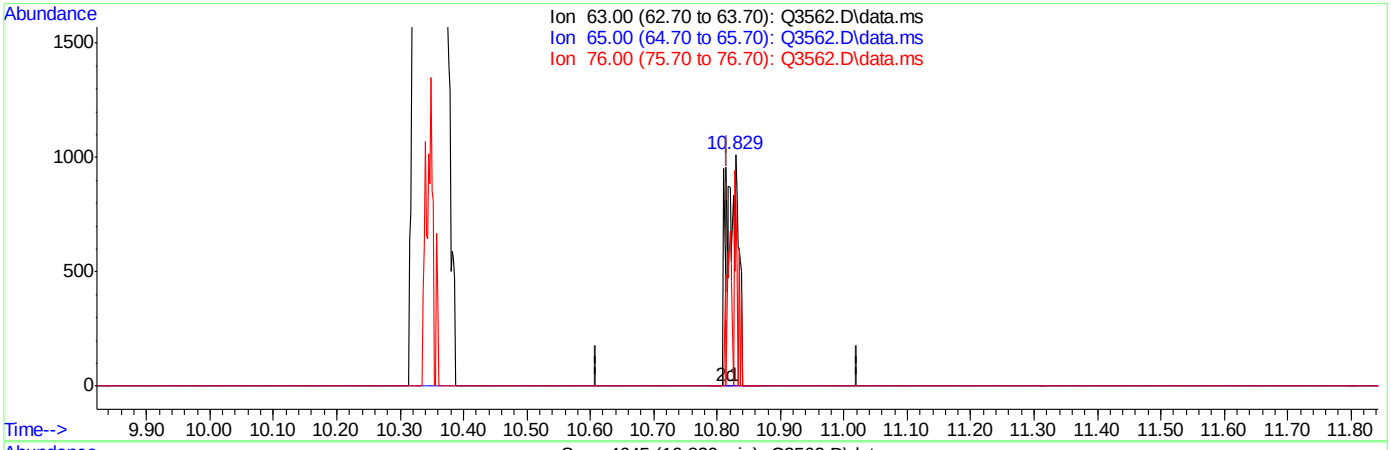
response 646

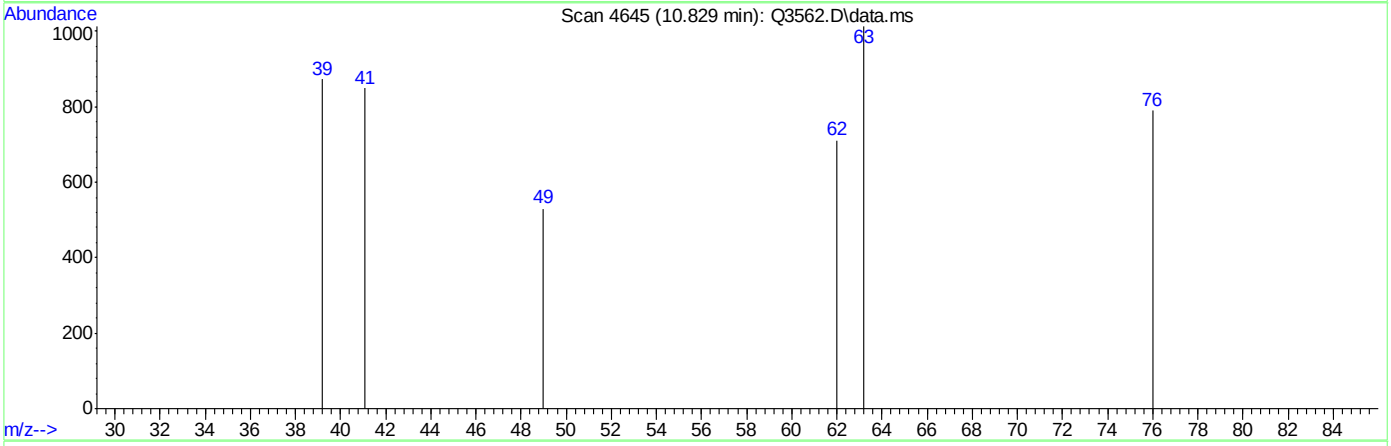
Ion	Exp%	Act%
63.00	100	100
65.00	30.30	0.00#
76.00	92.00	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3562.D
Acq On : 30 May 2007 1:51 pm
Operator : PhilipB
Sample : IC193-.2 (M007
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 30 14:25:01 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 13:58:46 2007
Response via : Initial Calibration





TIC: Q3562.D\data.ms

(39) 1,2-DICHLOROPROPANE (m)

10.829min (+0.012) 0.25PPBV m

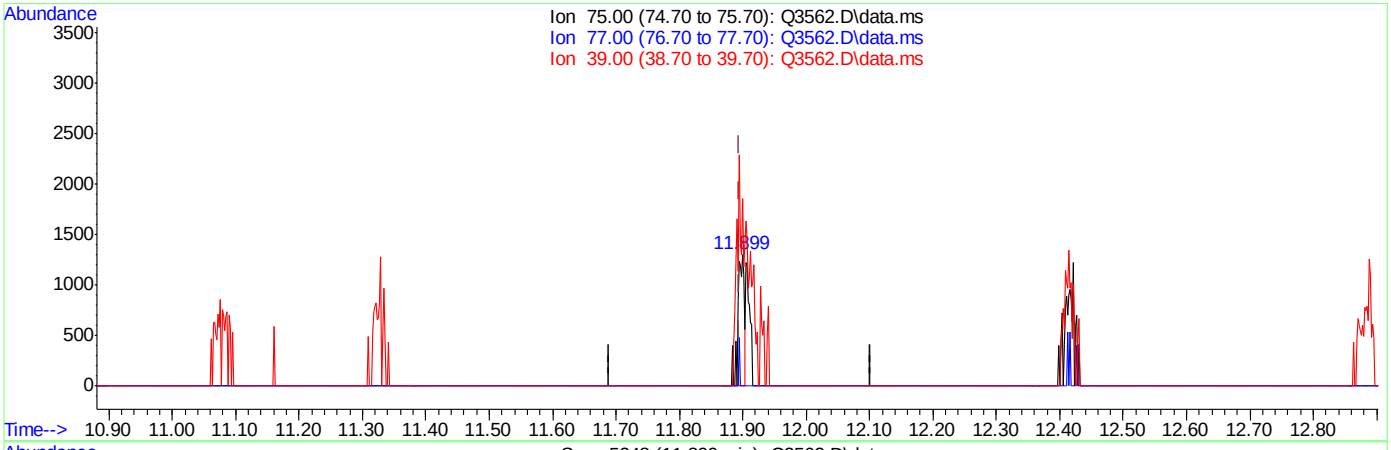
response 1194

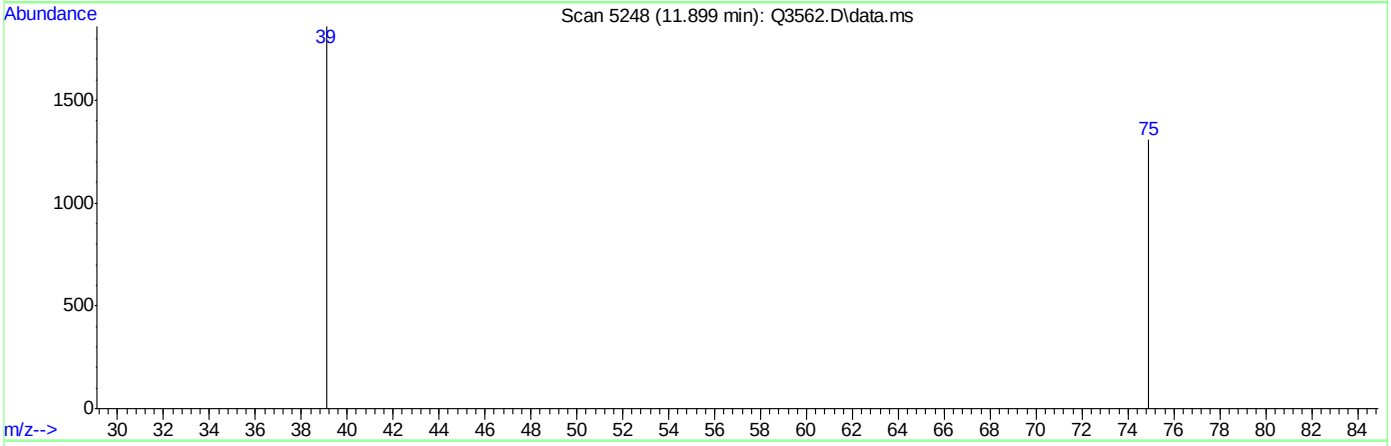
Ion	Exp%	Act%
63.00	100	100
65.00	30.30	0.00#
76.00	92.00	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3562.D
Acq On : 30 May 2007 1:51 pm
Operator : PhilipB
Sample : IC193-.2 (M007
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 30 14:25:01 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 13:58:46 2007
Response via : Initial Calibration





TIC: Q3562.D\data.ms

(45) cis-1,3-DICHLOROPROPENE (m)

11.899min (+0.004) 0.12PPBV

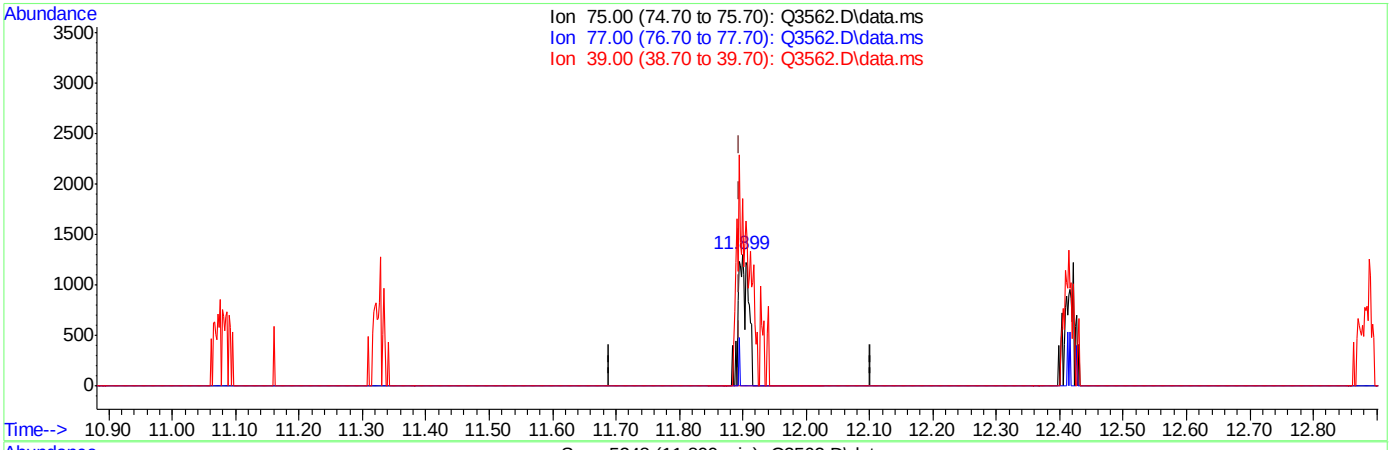
response 871

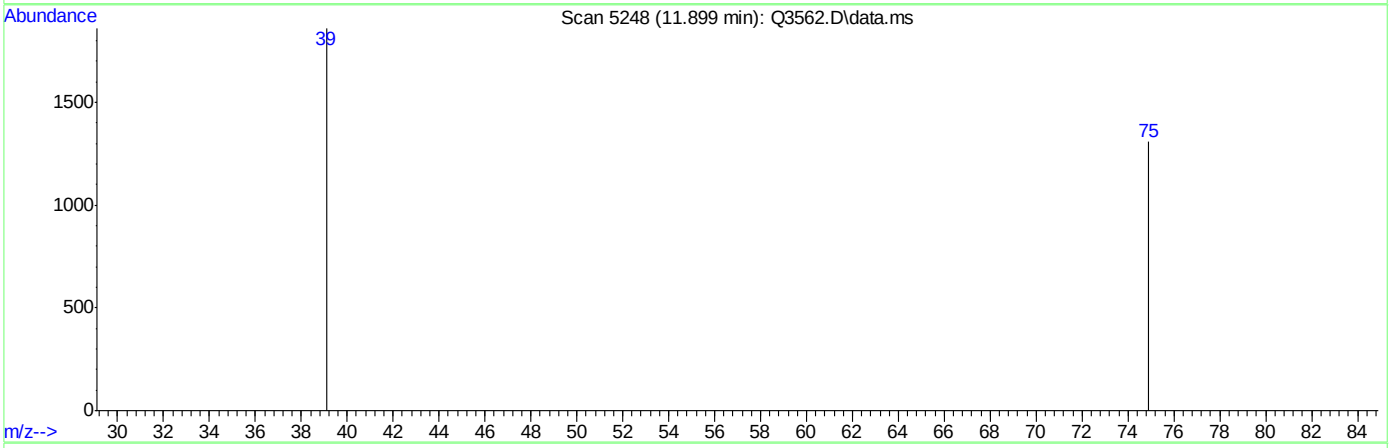
Ion	Exp%	Act%
75.00	100	100
77.00	30.90	0.00#
39.00	108.70	316.65#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3562.D
Acq On : 30 May 2007 1:51 pm
Operator : PhilipB
Sample : IC193-.2 (M007
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 30 14:25:01 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 13:58:46 2007
Response via : Initial Calibration





TIC: Q3562.D\data.ms

(45) cis-1,3-DICHLOROPROPENE (m)

11.899min (+0.004) 0.20PPBV m

response 1436

Ion	Exp%	Act%
75.00	100	100
77.00	30.90	0.00#
39.00	108.70	192.06#
0.00	0.00	0.00

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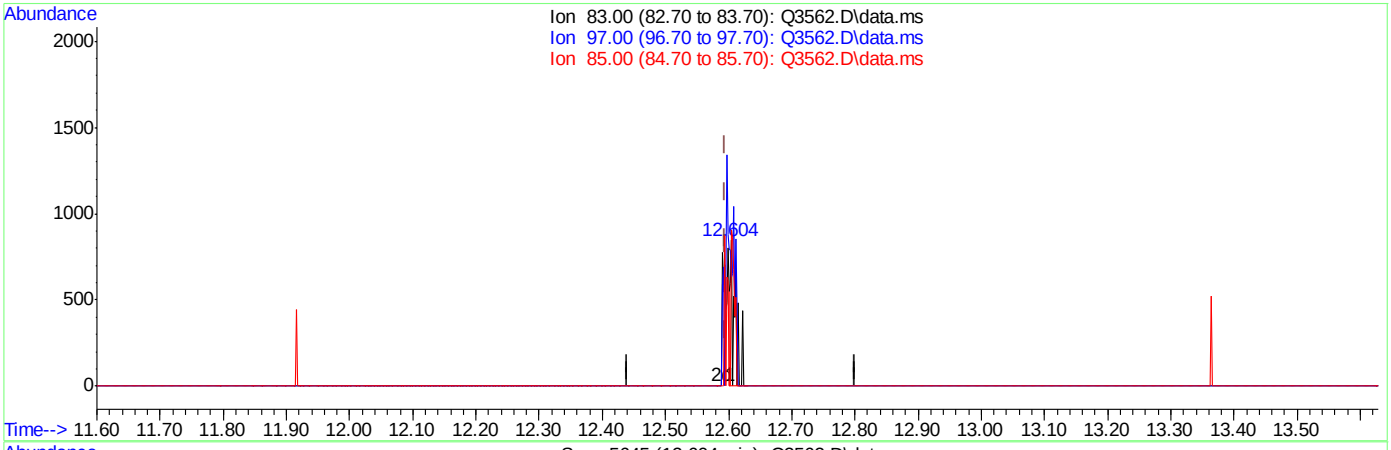
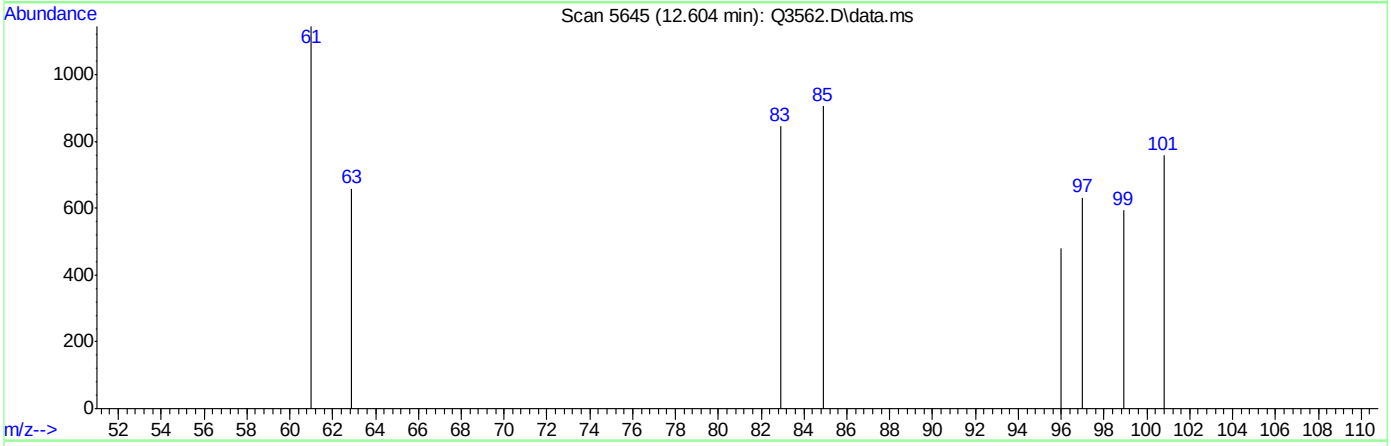
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3562.D
Acq On : 30 May 2007 1:51 pm
Operator : PhilipB
Sample : IC193-.2 (M007
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 30 14:25:01 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 13:58:46 2007
Response via : Initial Calibration





TIC: Q3562.D\data.ms

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

12.604min (+0.009) 0.10PPBV

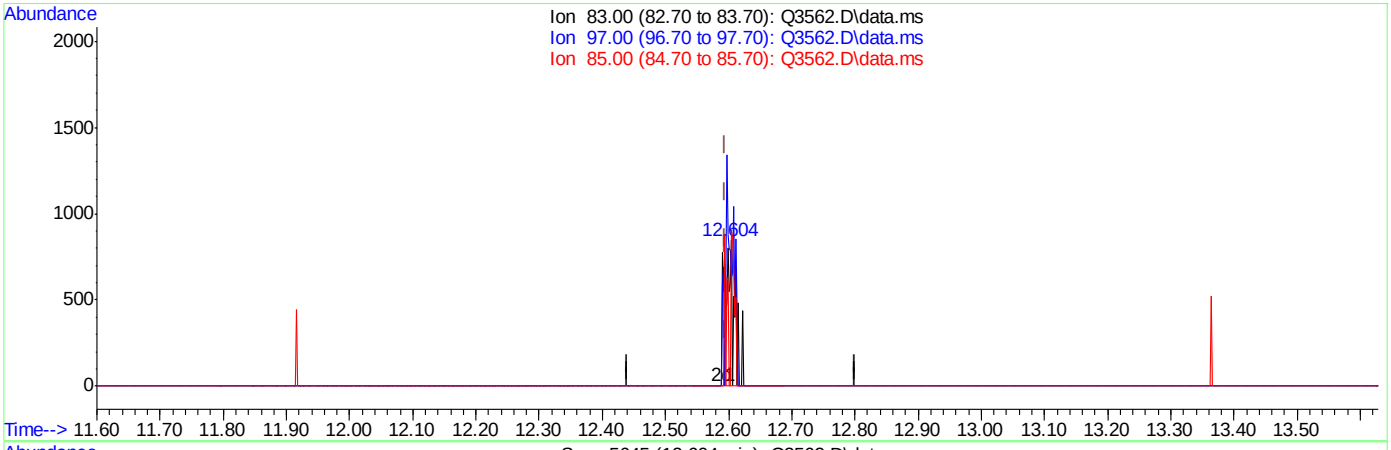
response 422

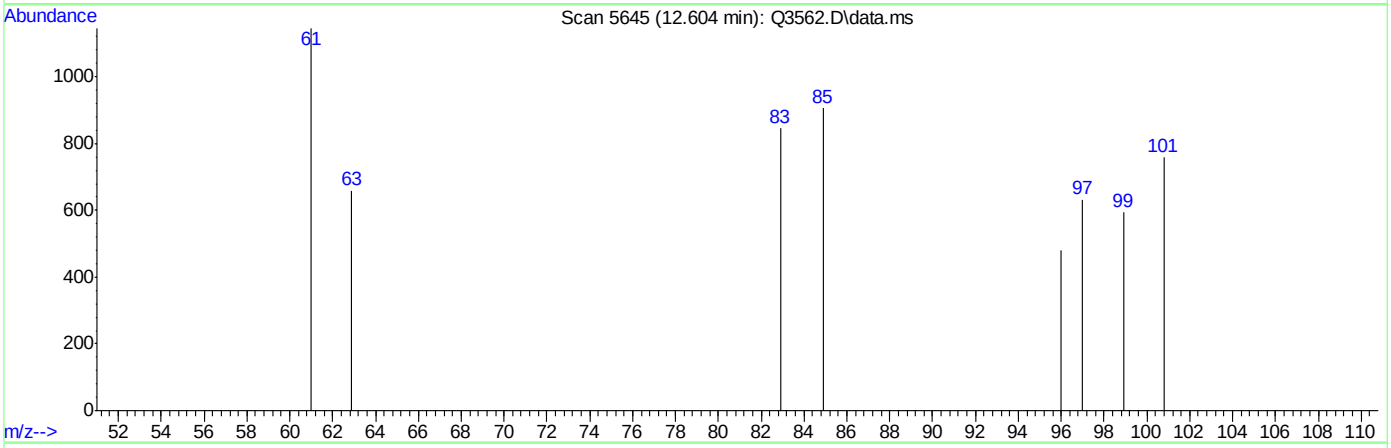
Ion	Exp%	Act%
83.00	100	100
97.00	121.10	0.00#
85.00	65.40	84.83
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3562.D
Acq On : 30 May 2007 1:51 pm
Operator : PhilipB
Sample : IC193-.2 (M007
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 30 14:25:01 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 13:58:46 2007
Response via : Initial Calibration





TIC: Q3562.D\data.ms

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

12.604min (+0.009) 0.20PPBV m

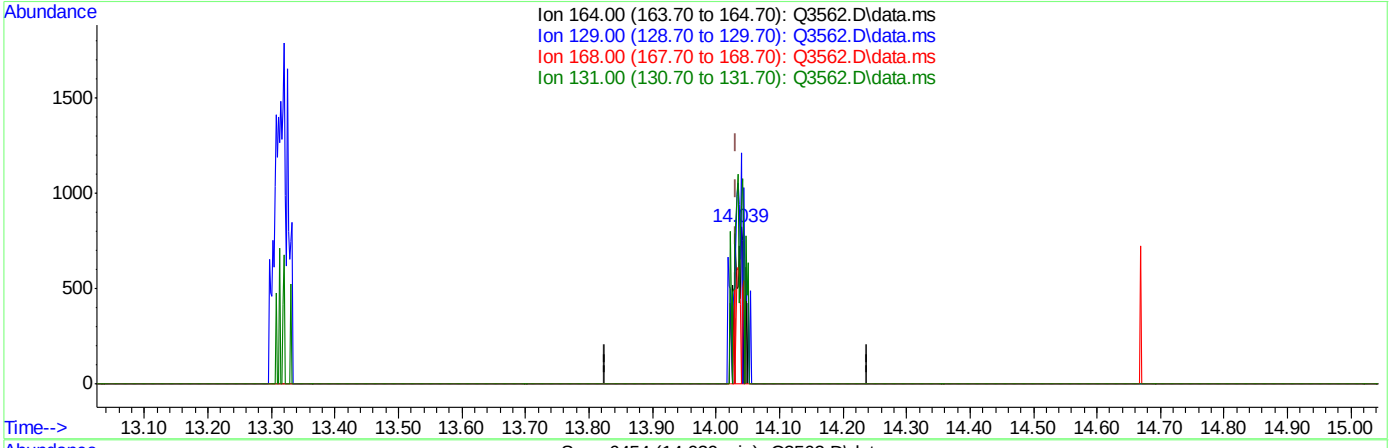
response 885

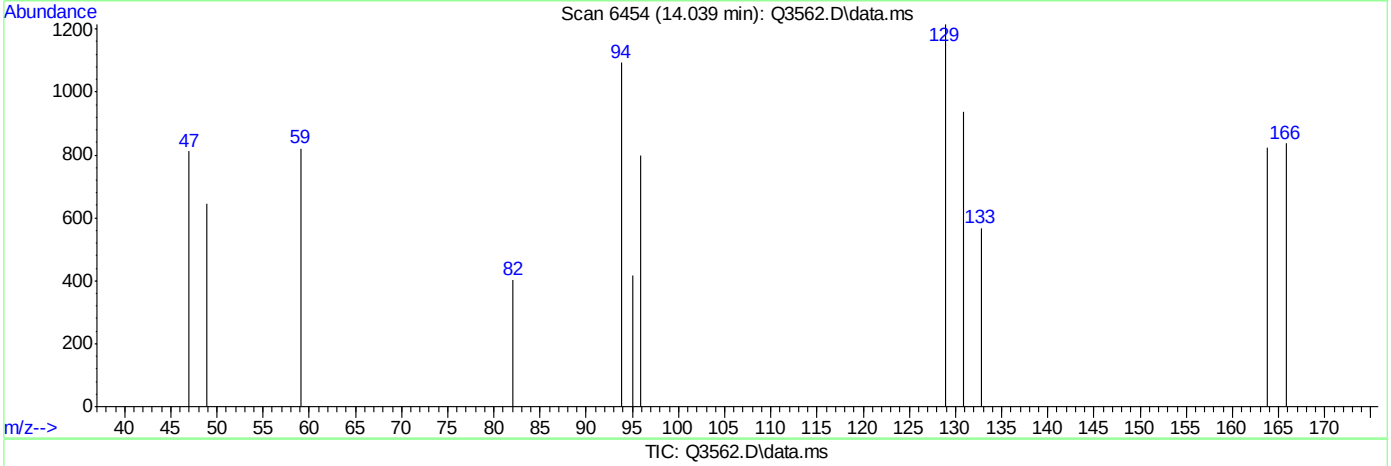
Ion	Exp%	Act%
83.00	100	100
97.00	121.10	0.00#
85.00	65.40	40.45#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3562.D
Acq On : 30 May 2007 1:51 pm
Operator : PhilipB
Sample : IC193-.2 (M007
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 30 14:25:01 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 13:58:46 2007
Response via : Initial Calibration





TIC: Q3562.D\data.ms

(51) TETRACHLOROETHYLENE (m)

14.039min (+0.007) 0.12PPBV

response 539

Ion	Exp%	Act%
164.00	100	100
129.00	99.00	227.27#
168.00	60.20	0.00#
131.00	102.50	107.61

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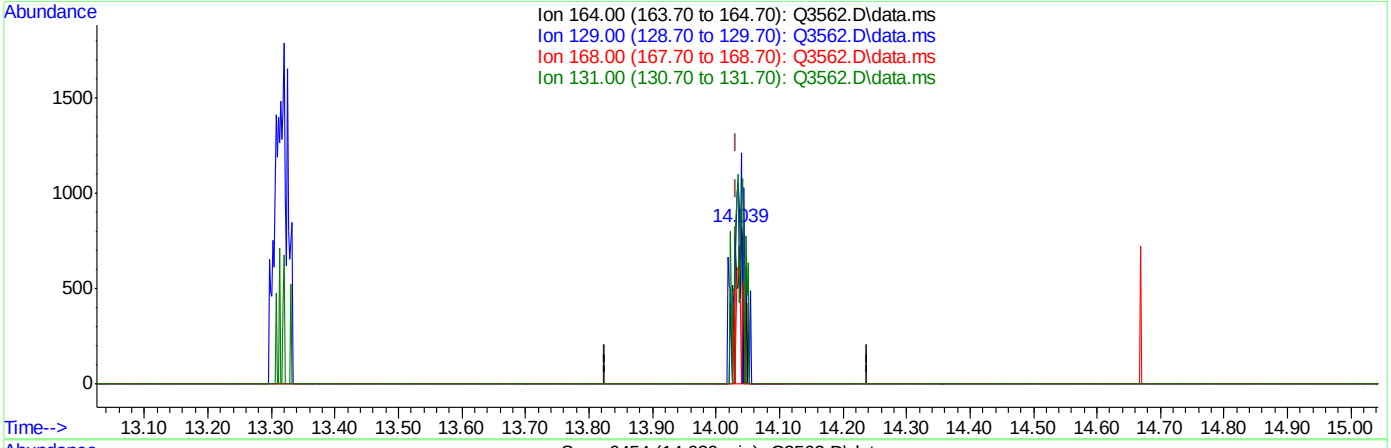
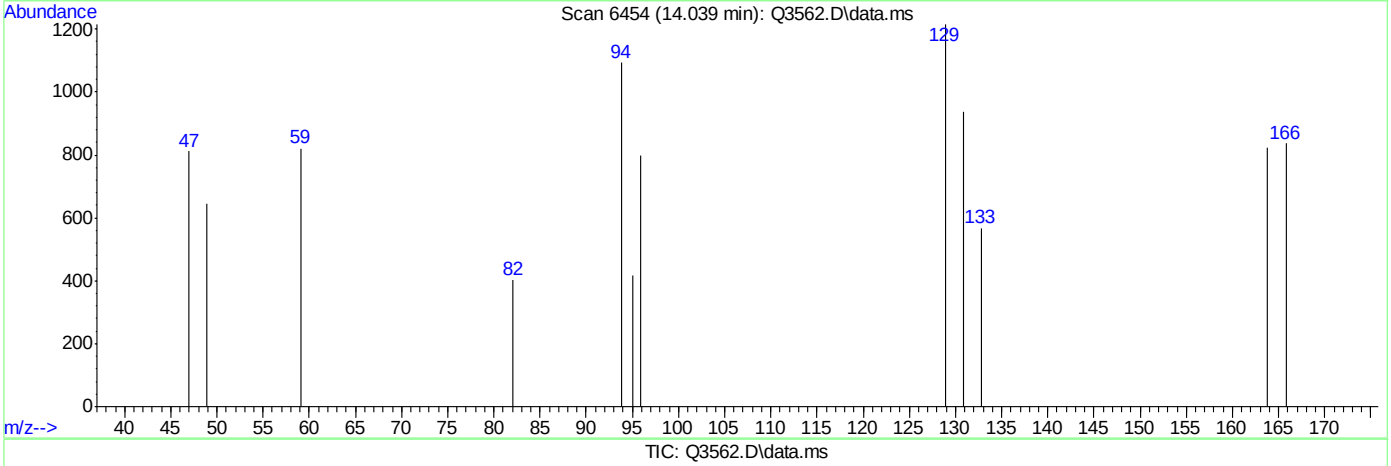
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3562.D
Acq On : 30 May 2007 1:51 pm
Operator : PhilipB
Sample : IC193-.2 (M007
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 30 14:25:01 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 13:58:46 2007
Response via : Initial Calibration





TIC: Q3562.D\data.ms

(51) TETRACHLOROETHYLENE (m)

14.039min (+0.007) 0.15PPBV m

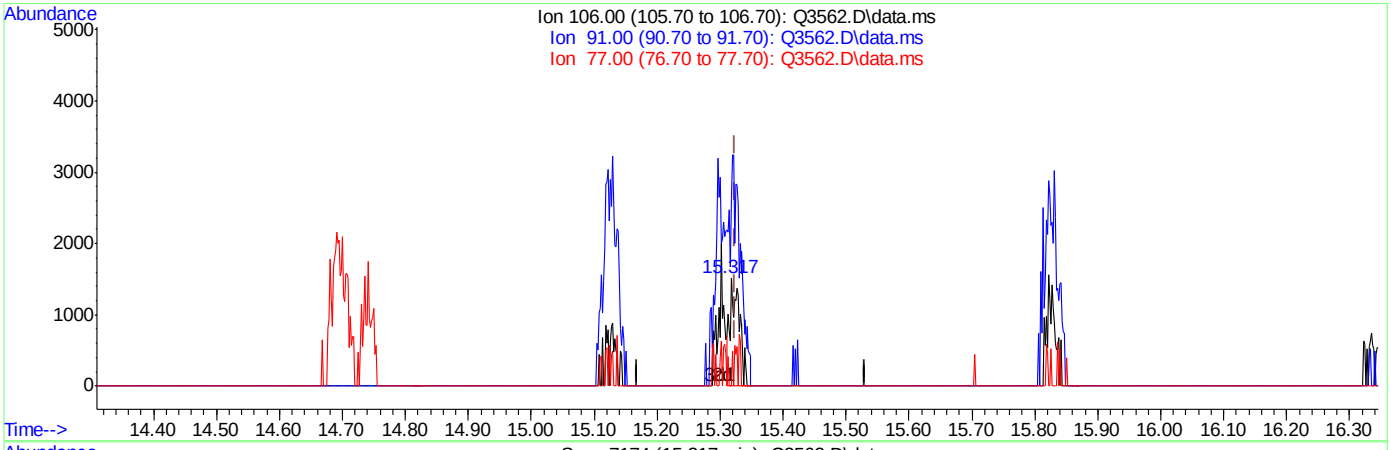
response 694

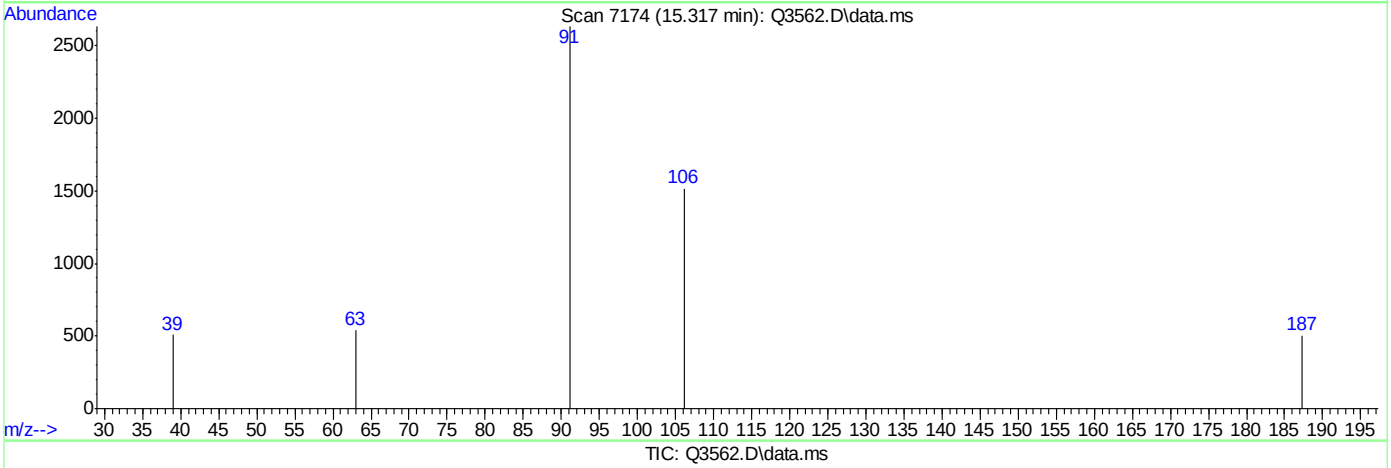
Ion	Exp%	Act%
164.00	100	100
129.00	99.00	176.51#
168.00	60.20	0.00#
131.00	102.50	83.57

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3562.D
Acq On : 30 May 2007 1:51 pm
Operator : PhilipB
Sample : IC193-.2 (M007
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 30 14:25:01 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 13:58:46 2007
Response via : Initial Calibration





TIC: Q3562.D\data.ms

(56) m,p-XYLENE (m)

15.317min (-0.007) 0.27PPBV

response 1661

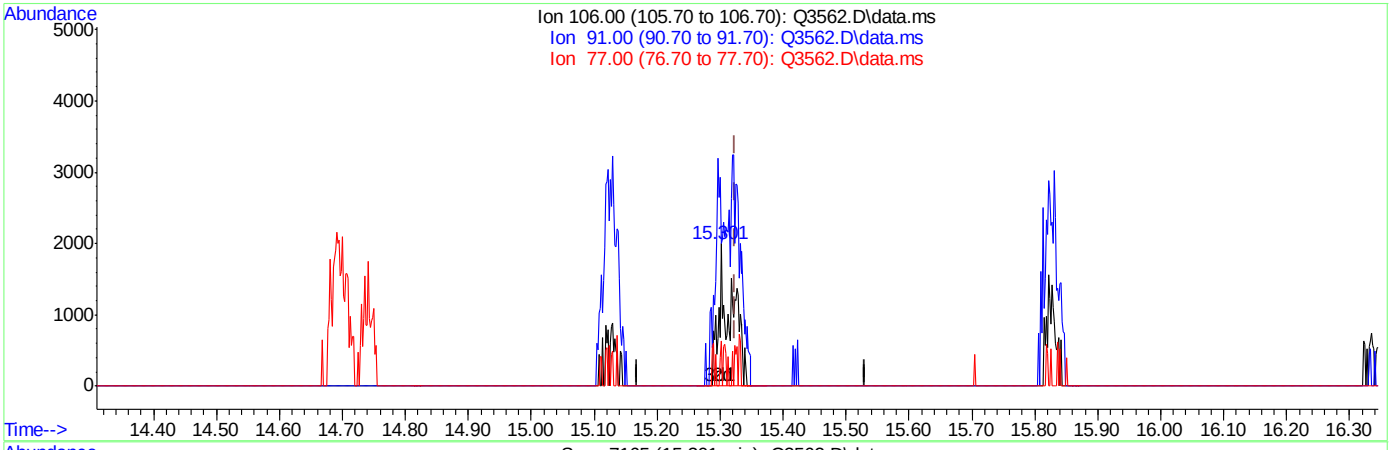
Ion	Exp%	Act%
106.00	100	100
91.00	204.20	173.57
77.00	30.60	0.00#
0.00	0.00	0.00

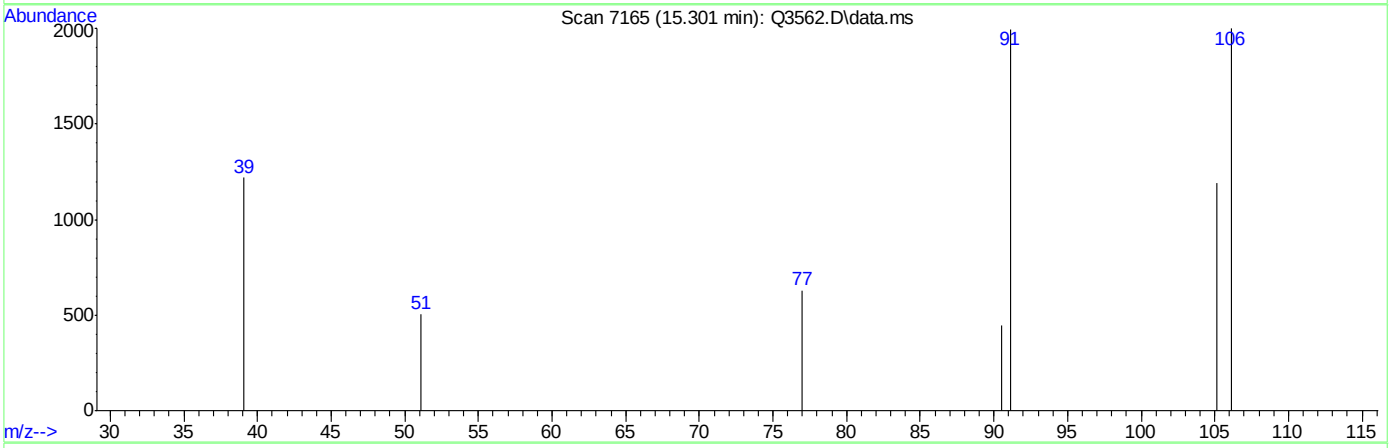
ACCUTEST Laboratories M65404

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3562.D
Acq On : 30 May 2007 1:51 pm
Operator : PhilipB
Sample : IC193-.2 (M007
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 30 14:25:01 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 13:58:46 2007
Response via : Initial Calibration





TIC: Q3562.D\data.ms

(56) m,p-XYLENE (m)

15.301min (-0.023) 0.47PPBV m

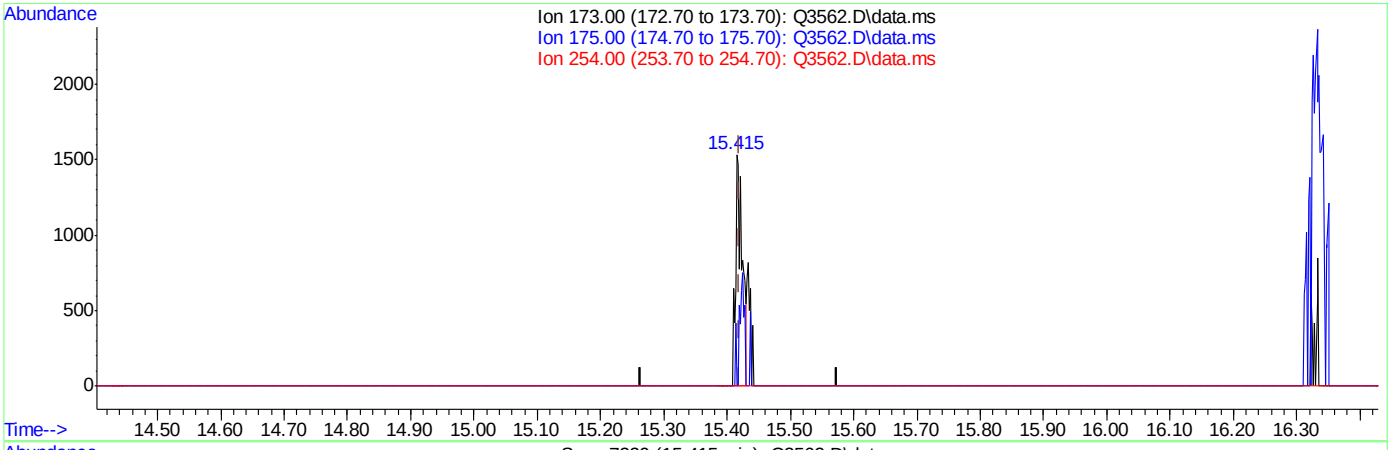
response 2902

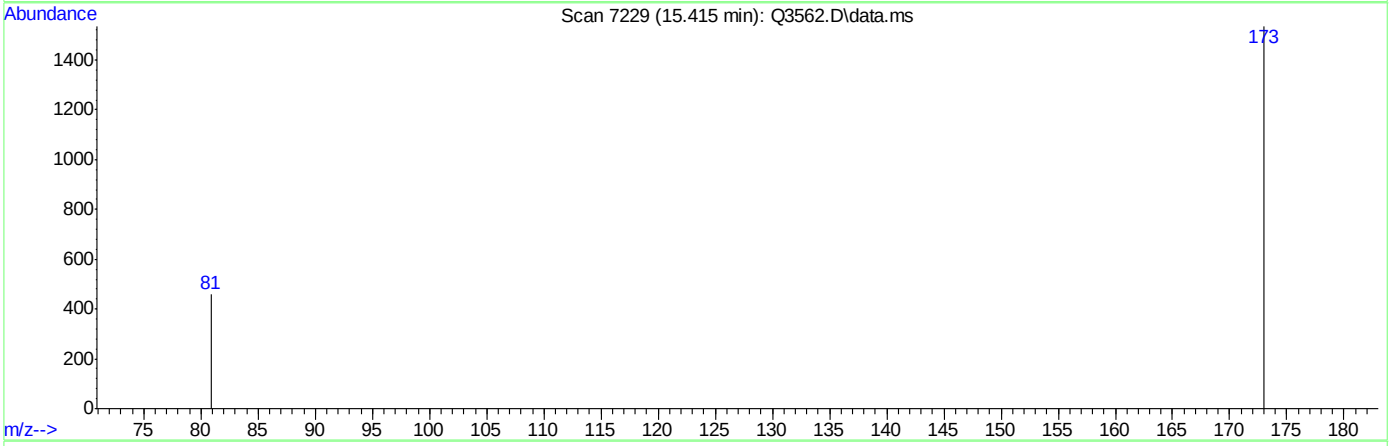
Ion	Exp%	Act%
106.00	100	100
91.00	204.20	99.75#
77.00	30.60	31.48
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3562.D
Acq On    : 30 May 2007   1:51 pm
Operator  : PhilipB
Sample    : IC193-.2 (M007
Misc      : MS13624, MSQ193,,,,,1
ALS Vial  : 2   Sample Multiplier: 1

Quant Time: May 30 14:25:01 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 13:58:46 2007
Response via : Initial Calibration
```



TIC: Q3562.D\data.ms

(60) BROMOFORM (m)

15.415min (-0.005) 0.14PPBV

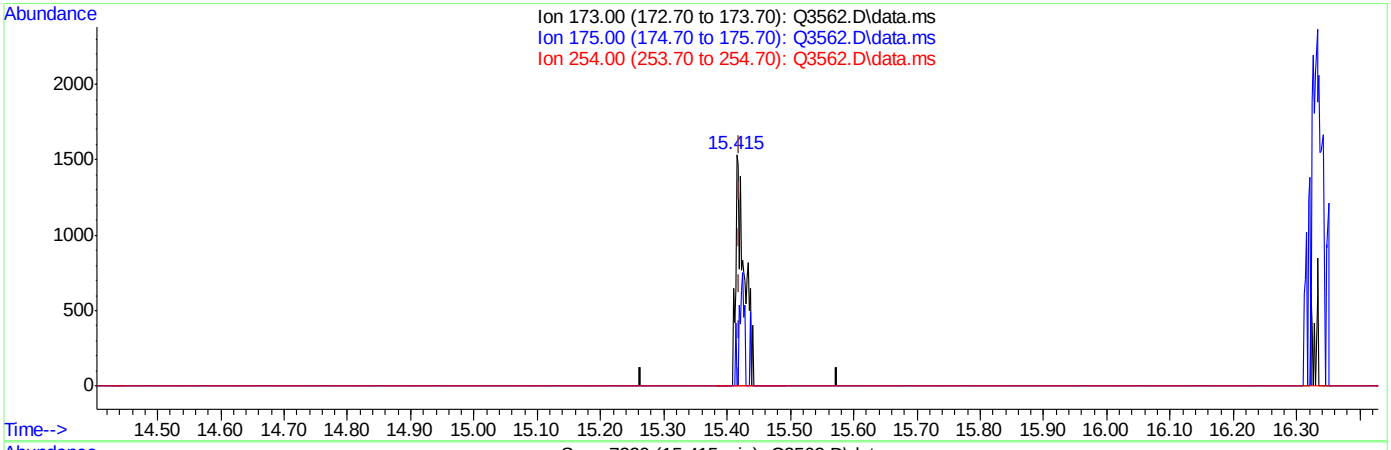
response 1116

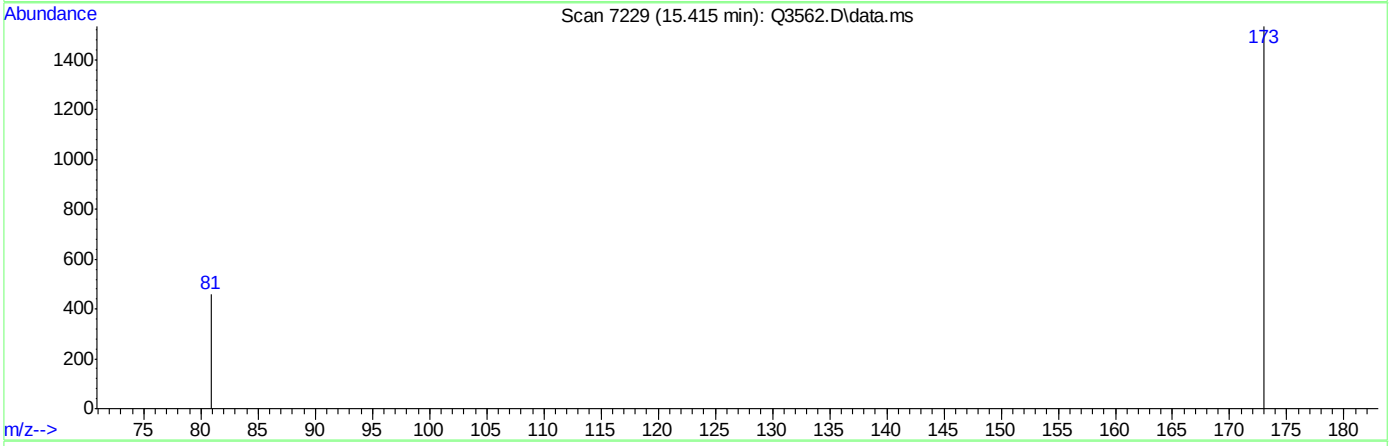
Ion	Exp%	Act%
173.00	100	100
175.00	47.70	35.66
254.00	7.50	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3562.D
Acq On    : 30 May 2007   1:51 pm
Operator  : PhilipB
Sample    : IC193-.2 (M007
Misc      : MS13624, MSQ193,,,,,1
ALS Vial  : 2   Sample Multiplier: 1

Quant Time: May 30 14:25:01 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 13:58:46 2007
Response via : Initial Calibration
```



TIC: Q3562.D\data.ms

(60) BROMOFORM (m)

15.415min (-0.005) 0.18PPBV m

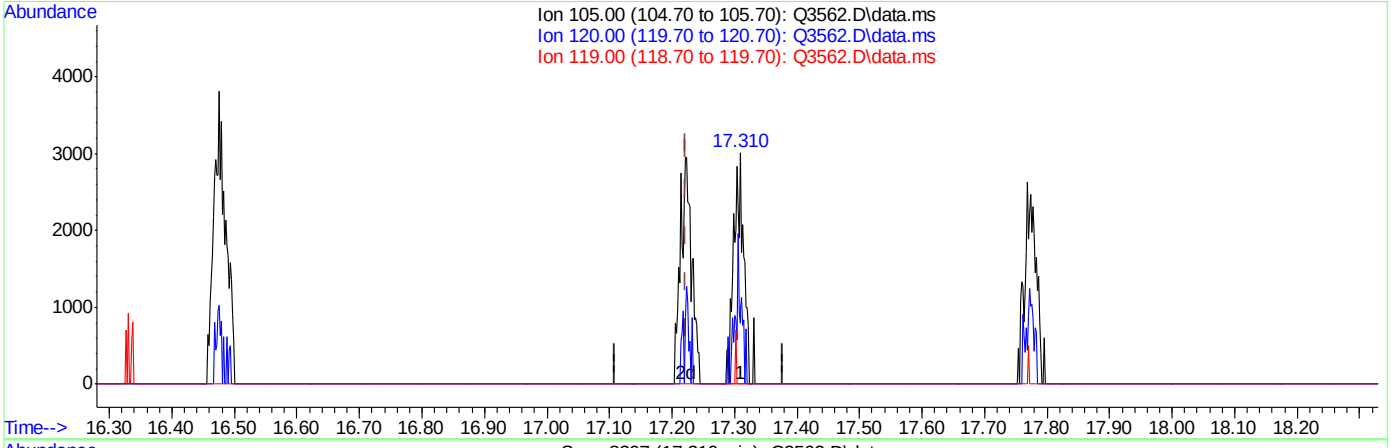
response 1446

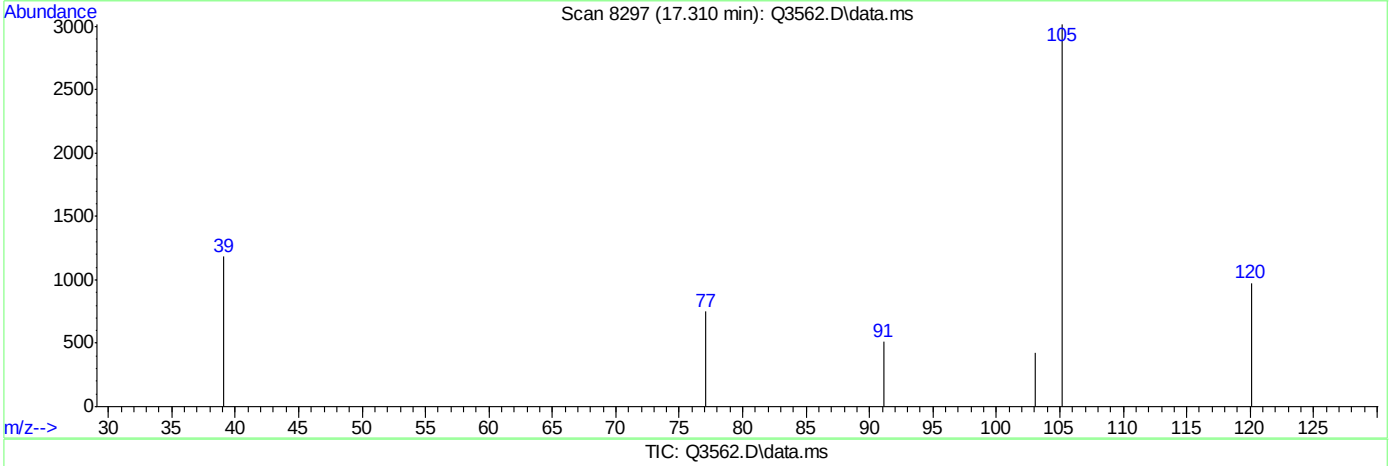
Ion	Exp%	Act%
173.00	100	100
175.00	47.70	27.52#
254.00	7.50	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3562.D
Acq On : 30 May 2007 1:51 pm
Operator : PhilipB
Sample : IC193-.2 (M007
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 30 14:25:01 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 13:58:46 2007
Response via : Initial Calibration





TIC: Q3562.D\data.ms

(65) 4-ETHYLTOLUENE (m)

17.310min (+0.087) 0.21PPBV

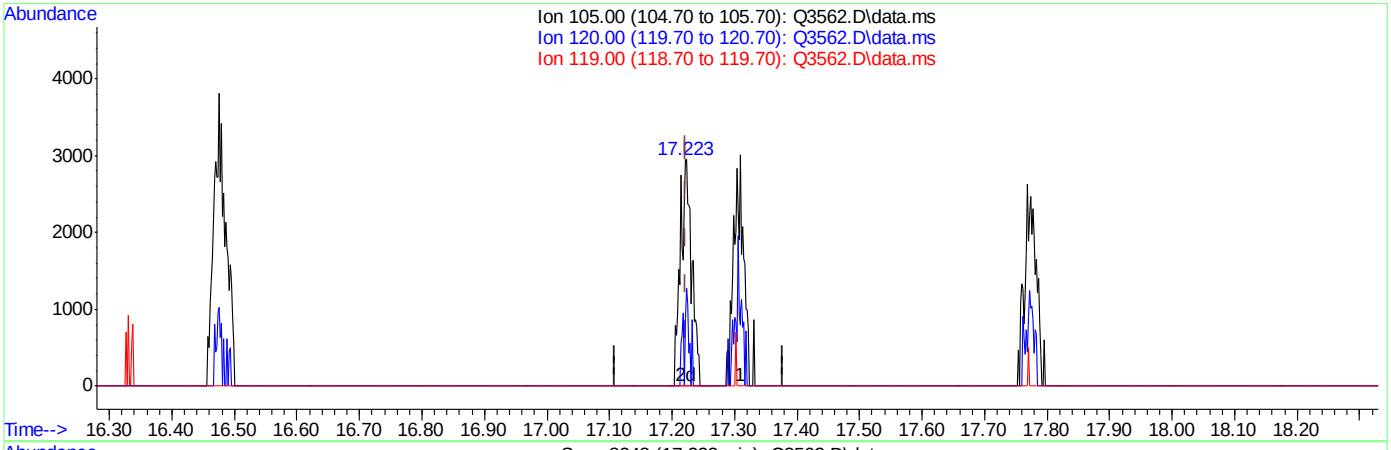
response 3542

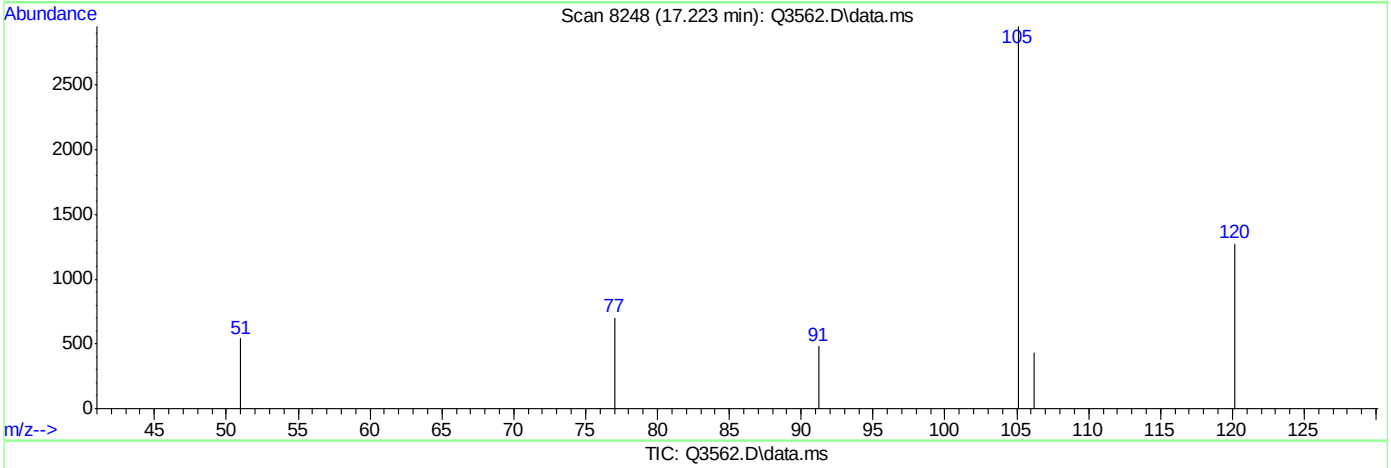
Ion	Exp%	Act%
105.00	100	100
120.00	30.20	38.65
119.00	2.30	2.12
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3562.D
Acq On : 30 May 2007 1:51 pm
Operator : PhilipB
Sample : IC193-.2 (M007
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 30 14:25:01 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 13:58:46 2007
Response via : Initial Calibration





TIC: Q3562.D\data.ms

(65) 4-ETHYLTOLUENE (m)

17.223min (+0.000) 0.22PPBV m

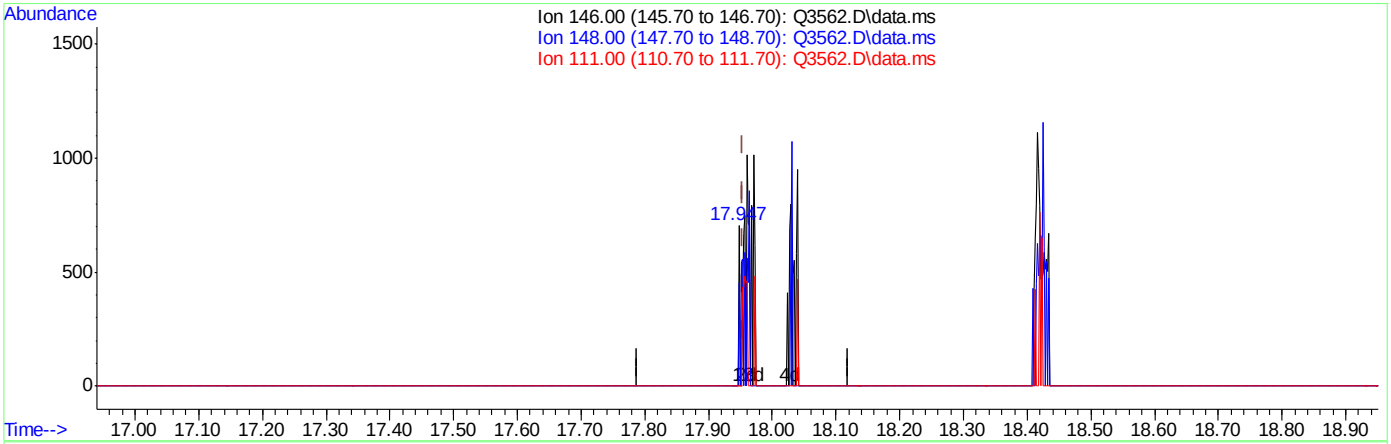
response 3670

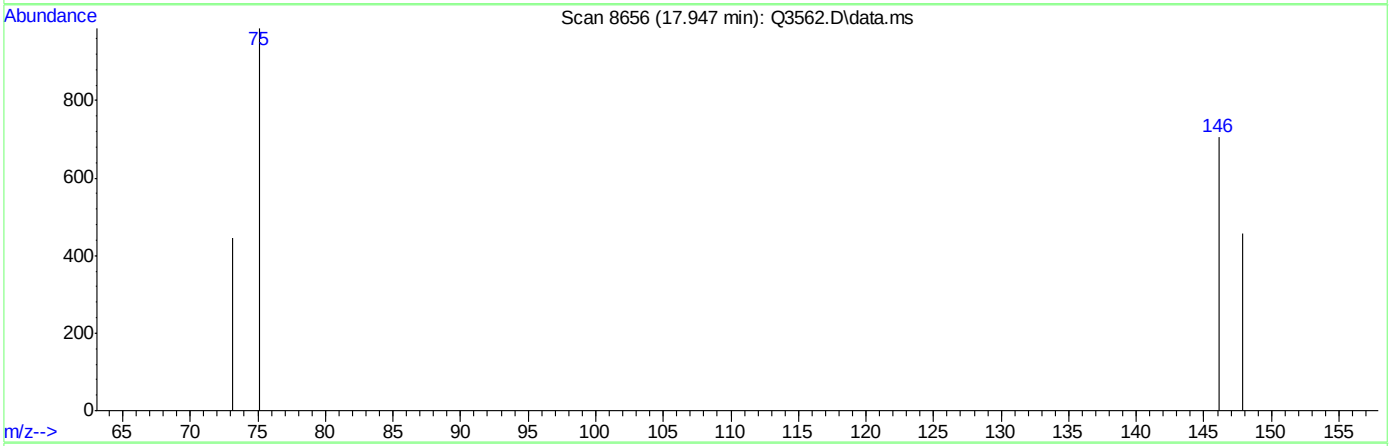
Ion	Exp%	Act%
105.00	100	100
120.00	30.20	37.30
119.00	2.30	2.04
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3562.D
Acq On : 30 May 2007 1:51 pm
Operator : PhilipB
Sample : IC193-.2 (M007
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 30 14:25:01 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 13:58:46 2007
Response via : Initial Calibration





TIC: Q3562.D\data.ms

(68) m-DICHLOROBENZENE (m)

17.947min (-0.007) 0.01PPBV

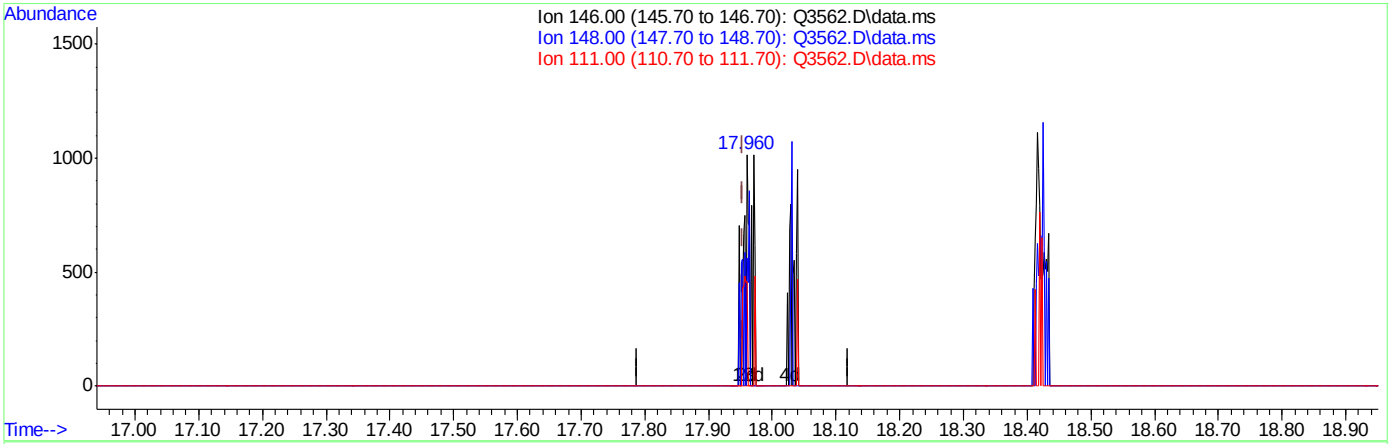
response 75

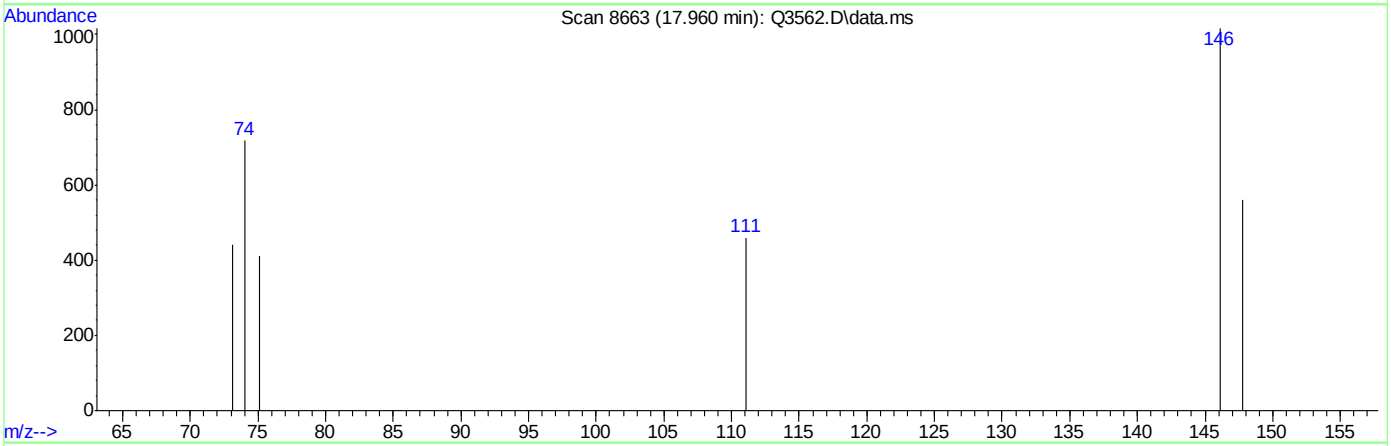
Ion	Exp%	Act%
146.00	100	100
148.00	62.90	304.00#
111.00	41.00	321.33#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3562.D
Acq On : 30 May 2007 1:51 pm
Operator : PhilipB
Sample : IC193-.2 (M007
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 30 14:25:01 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 13:58:46 2007
Response via : Initial Calibration





TIC: Q3562.D\data.ms

(68) m-DICHLOROBENZENE (m)

17.960min (+0.006) 0.15PPBV m

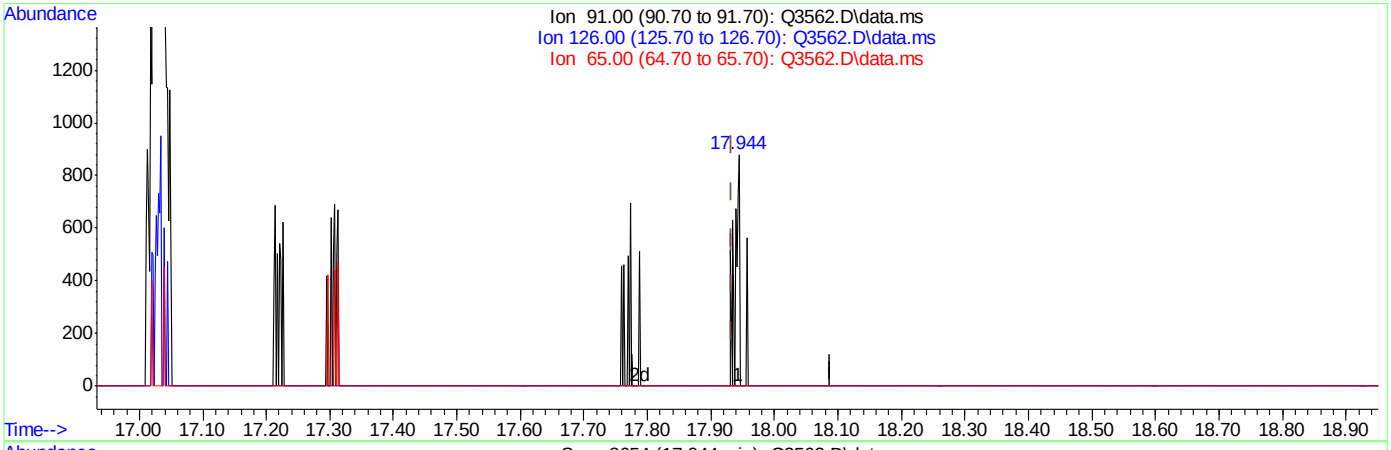
response 787

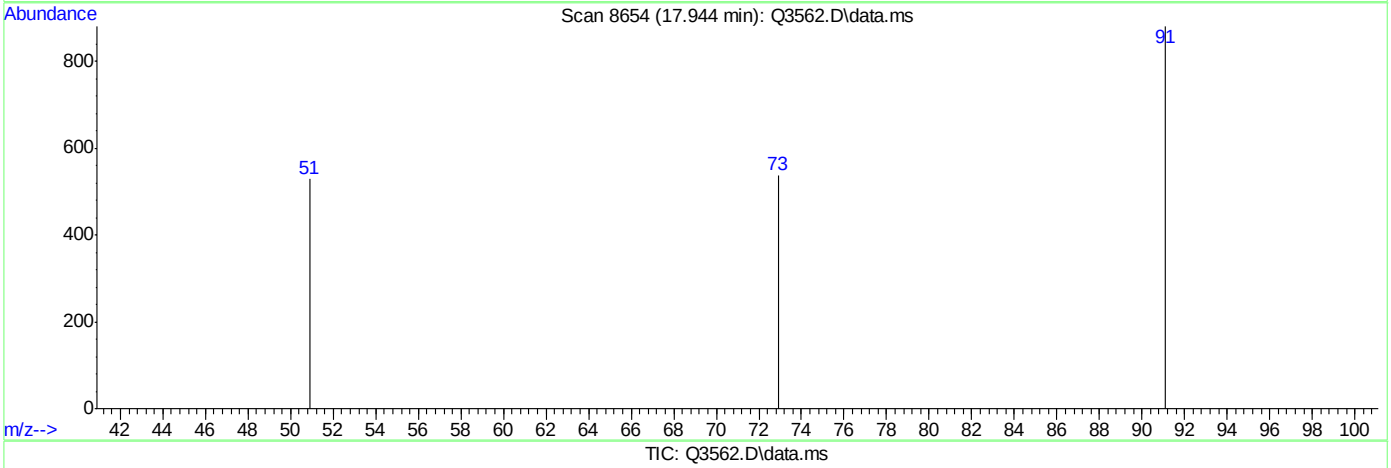
Ion	Exp%	Act%
146.00	100	100
148.00	62.90	28.97#
111.00	41.00	30.62
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3562.D
Acq On : 30 May 2007 1:51 pm
Operator : PhilipB
Sample : IC193-.2 (M007
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 30 14:25:01 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 13:58:46 2007
Response via : Initial Calibration





TIC: Q3562.D\data.ms

(69) BENZYL CHLORIDE (m)

17.944min (+0.011) 0.07PPBV

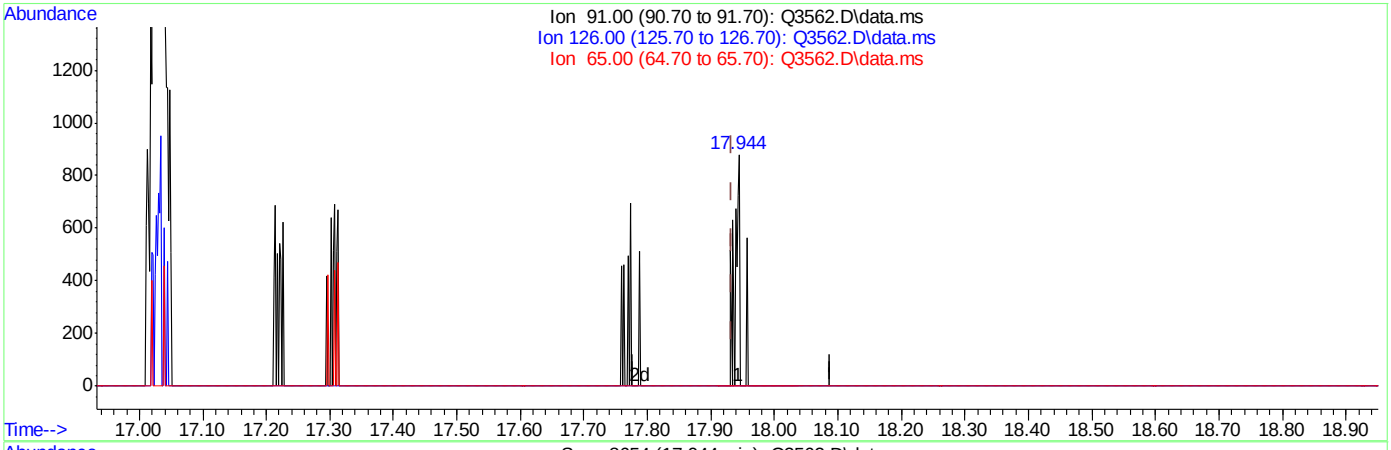
response 358

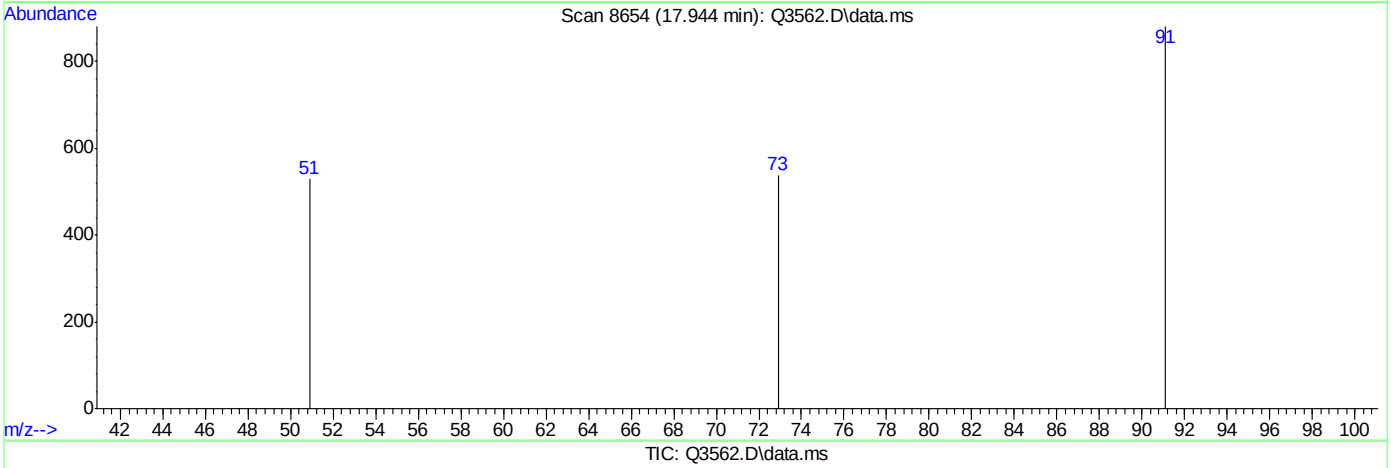
Ion	Exp%	Act%
91.00	100	100
126.00	20.90	0.00#
65.00	12.30	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3562.D
Acq On : 30 May 2007 1:51 pm
Operator : PhilipB
Sample : IC193-.2 (M007
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 30 14:25:01 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 13:58:46 2007
Response via : Initial Calibration





TIC: Q3562.D\data.ms

(69) BENZYL CHLORIDE (m)

17.944min (+0.011) 0.09PPBV m

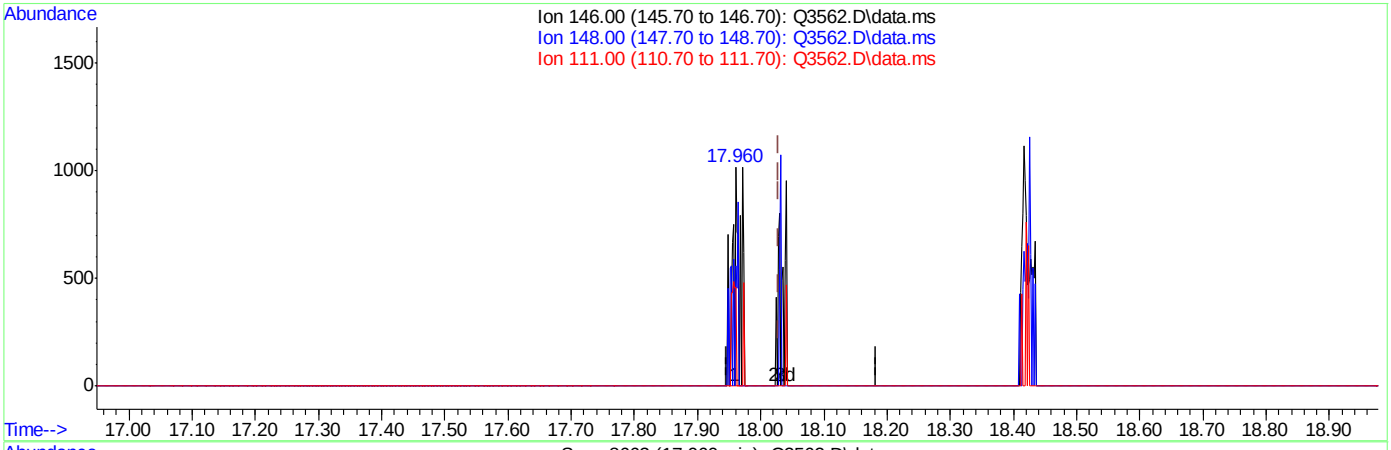
response 474

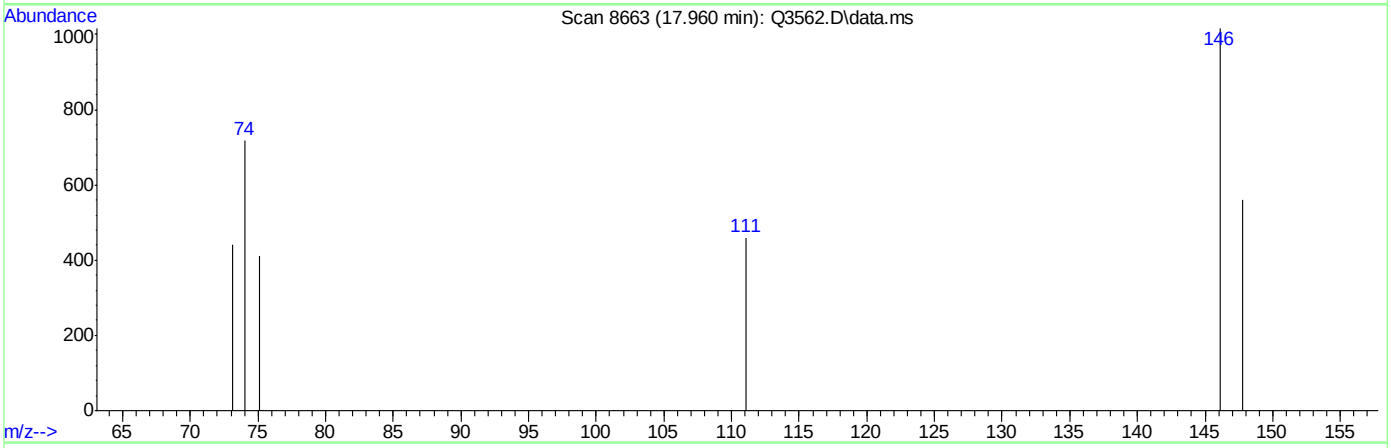
Ion	Exp%	Act%
91.00	100	100
126.00	20.90	0.00#
65.00	12.30	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3562.D
Acq On : 30 May 2007 1:51 pm
Operator : PhilipB
Sample : IC193-.2 (M007
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 30 14:25:01 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 13:58:46 2007
Response via : Initial Calibration





TIC: Q3562.D\data.ms

(70) p-DICHLOROBENZENE (m)

17.960min (-0.069) 0.16PPBV

response 712

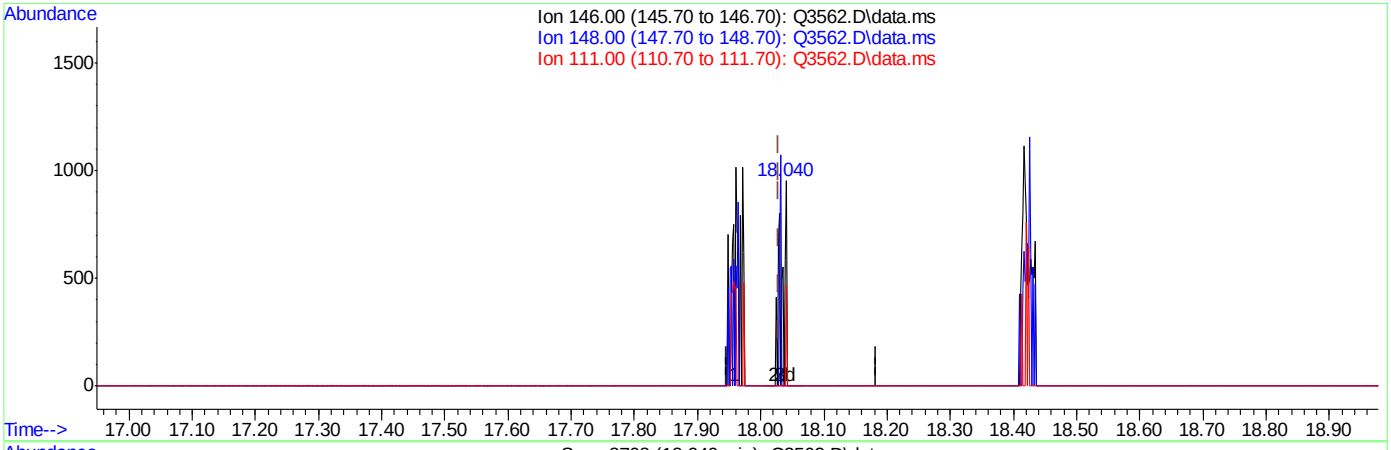
Ion	Exp%	Act%
146.00	100	100
148.00	64.20	53.23
111.00	38.90	33.85
0.00	0.00	0.00

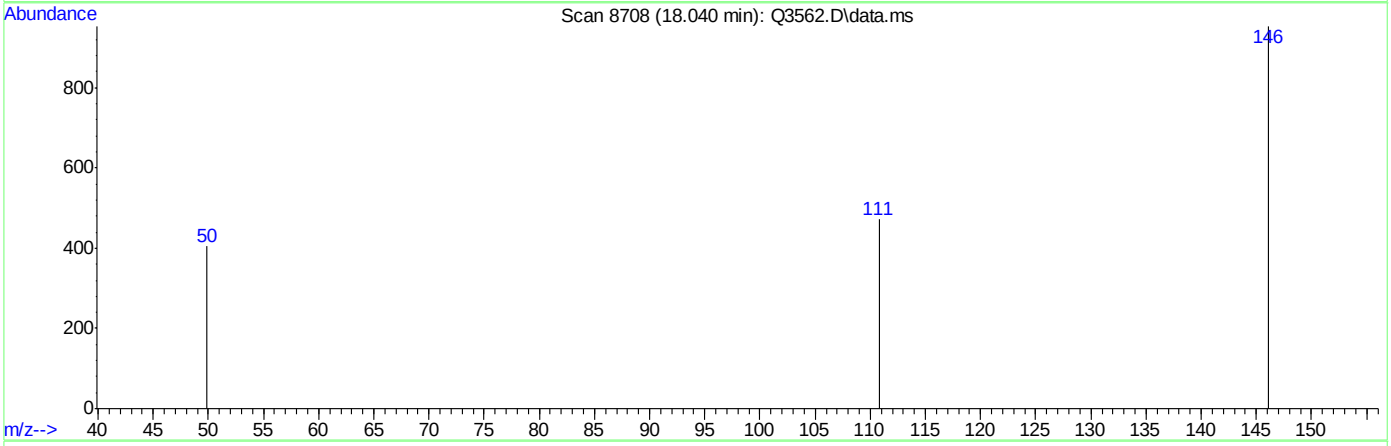
ACCUTEST Laboratories M65404

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3562.D
Acq On : 30 May 2007 1:51 pm
Operator : PhilipB
Sample : IC193-.2 (M007
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 30 14:25:01 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 13:58:46 2007
Response via : Initial Calibration





TIC: Q3562.D\data.ms

(70) p-DICHLOROBENZENE (m)

18.040min (+0.011) 0.11PPBV m

response 477

Ion	Exp%	Act%
146.00	100	100
148.00	64.20	79.45
111.00	38.90	50.52
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
05/31/07 11:31

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3563.D
Acq On : 30 May 2007 2:34 pm
Operator : PhilipB
Sample : IC193-40 (M017)
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 30 15:11:23 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 14:28:13 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.435	128	35935	10.00	PPBV	0.01
35) 1,4-DIFLUOROBENZENE	10.353	114	186342	10.00	PPBV	0.01
49) CHLOROBENZENE-D5	14.698	117	189999	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.338	95	121552	5.92	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 118.40%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	3.611	85	1120343	44.50	PPBV	79
3) PROPYLENE	3.538	41	259690	52.02	PPBV	98
4) FREON 114	3.877	85	892807	46.33	PPBV #	100
5) CHLOROMETHANE	3.778	50	316127	50.69	PPBV	100
6) VINYL CHLORIDE	4.001	62	267788	49.23	PPBV #	71
7) 1,3-BUTADIENE	4.140	39	399233	55.75	PPBV #	100
8) BROMOMETHANE	4.418	94	225802	47.96	PPBV #	100
9) CHLOROETHANE	4.592	64	111752	52.48	PPBV #	100
10) TRICHLOROFLUOROMETHANE	5.410	101	1278366	51.24	PPBV #	100
11) ISOPROPYL ALCOHOL	5.465	45	653771	48.00	PPBV	93
12) ACETONE	5.205	43	826017	43.18	PPBV	86
13) PENTANE	5.787	42	356427	54.34	PPBV #	100
14) 1,1-DICHLOROETHYLENE	6.088	96	221946	49.39	PPBV #	1
15) CARBON DISULFIDE	6.543	76	657002	55.22	PPBV #	27
16) ETHANOL	4.693	45	108749	42.43	PPBV #	100
17) BROMOETHENE	4.963	106	210097	47.42	PPBV #	100
18) METHYLENE CHLORIDE	6.213	84	209580	17.40	PPBV #	1
19) 3-CHLOROPROPENE	6.340	39	517826	60.36	PPBV #	2
20) FREON 113	6.484	151	424865	51.38	PPBV #	100
21) TRANS-1,2-DICHLOROETHY...	7.201	96	244039	57.29	PPBV #	100
22) TERTIARY BUTYL ALCOHOL	6.112	59	540023	45.63	PPBV #	100
23) METHYL TERTIARY BUTYL ...	7.455	73	883539	56.05	PPBV #	100
24) TETRAHYDROFURAN	8.965	42	399014	58.56	PPBV #	100
25) HEXANE	8.470	57	345483	39.81	PPBV #	100
26) VINYL ACETATE	7.551	43	1070633	62.28	PPBV	92
27) 1,1-DICHLOROETHANE	7.407	63	657199	55.64	PPBV #	100
28) METHYL ETHYL KETONE	7.806	43	876276	54.53	PPBV	84
29) cis-1,2-DICHLOROETHYLENE	8.264	96	198421	55.32	PPBV #	100
30) ETHYL ACETATE	8.477	43	1287983	51.28	PPBV	100
31) CHLOROFORM	8.566	83	741019	51.44	PPBV #	100
32) 1,1,1-TRICHLOROETHANE	9.562	97	844114	51.68	PPBV #	85
33) CARBON TETRACHLORIDE	10.167	117	962713	56.45	PPBV	97
34) 1,2-DICHLOROETHANE	9.310	62	764651	55.50	PPBV	99
36) BENZENE	10.023	78	556445	49.75	PPBV	84
37) CYCLOHEXANE	10.295	84	203150	52.81	PPBV #	39
38) TRICHLOROETHYLENE	11.060	95	359101	51.91	PPBV #	76
39) 1,2-DICHLOROPROPANE	10.831	63	259639	51.56	PPBV	87
40) BROMODICHLOROMETHANE	11.021	83	816880	53.63	PPBV	100
41) 2,2,4-TRIMETHYLPENTANE	11.086	57	1257247	53.20	PPBV #	94
42) 1,4-DIOXANE	11.049	88	93920	55.91	PPBV #	29
43) HEPTANE	11.335	43	639655	55.91	PPBV #	72

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3563.D
Acq On : 30 May 2007 2:34 pm
Operator : PhilipB
Sample : IC193-40 (M017)
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 30 15:11:23 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 14:28:13 2007
Response via : Initial Calibration

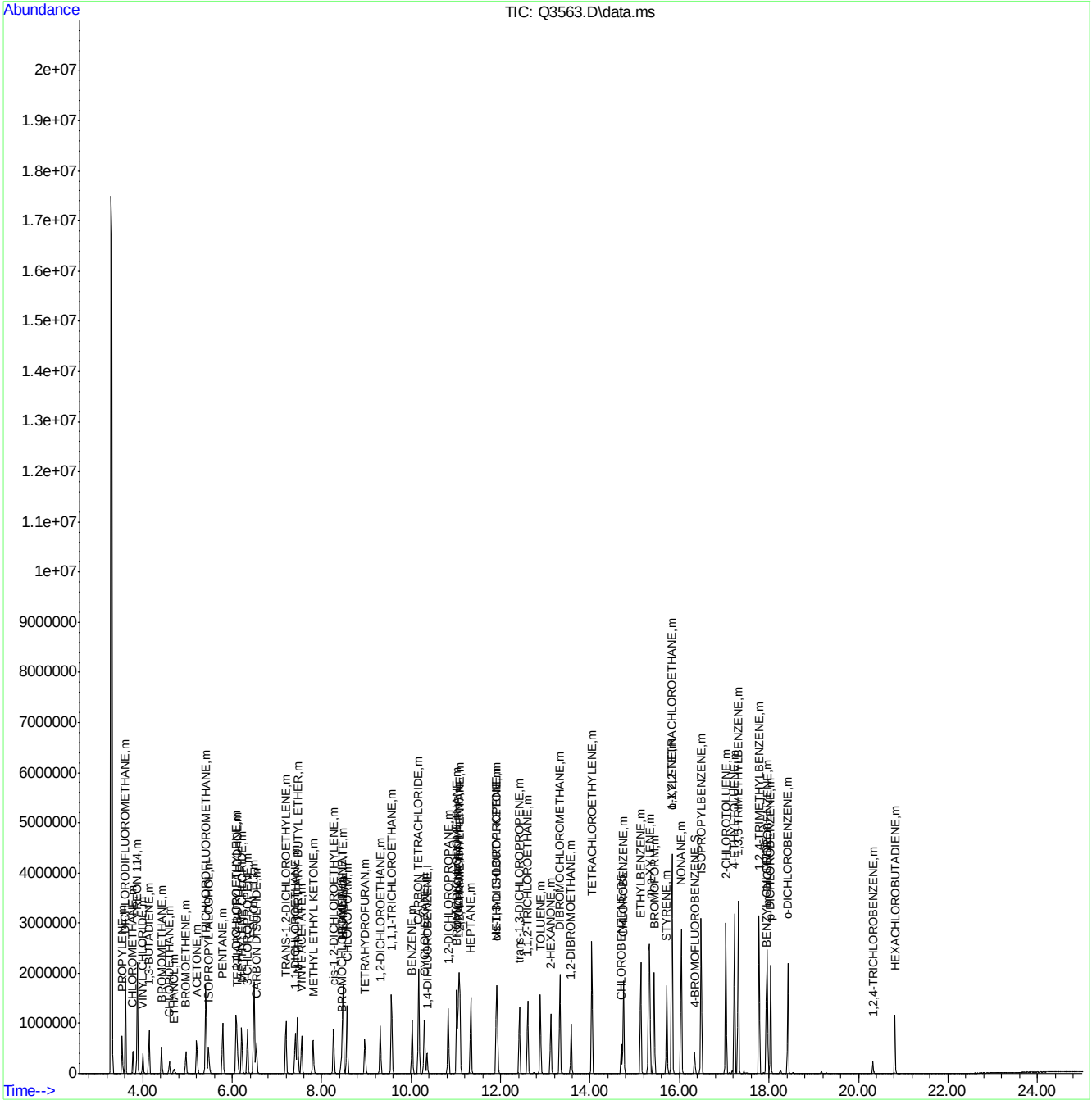
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.922	43	1012095	66.56	PPBV	85
45) cis-1,3-DICHLOROPROPENE	11.906	75	422109	59.64	PPBV #	42
46) TOLUENE	12.889	92	436295	55.19	PPBV	95
47) trans-1,3-DICHLOROPROPENE	12.419	75	489195	70.14	PPBV #	98
48) 1,1,2-TRICHLOROETHANE	12.604	83	255506	57.60	PPBV	92
50) 2-HEXANONE	13.120	43	916463	67.12	PPBV	85
51) TETRACHLOROETHYLENE	14.041	164	302915	55.06	PPBV #	78
52) DIBROMOCHLOROMETHANE	13.324	129	792525	58.17	PPBV	99
53) 1,2-DIBROMOETHANE	13.578	107	524961	52.76	PPBV	98
54) CHLOROBENZENE	14.746	112	596199	52.17	PPBV #	81
55) ETHYLBENZENE	15.133	91	1270004	53.34	PPBV	92
56) m,p-XYLENE	15.330	106	883480m	111.90	PPBV	
57) o-XYLENE	15.832	106	510111	62.98	PPBV #	81
58) STYRENE	15.713	104	554331	62.34	PPBV	87
59) NONANE	16.040	43	1186688	58.36	PPBV	83
60) BROMOFORM	15.431	173	695516	69.02	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.825	83	813711	72.57	PPBV	97
63) ISOPROPYLBENZENE	16.483	105	1610113	59.77	PPBV	92
64) 2-CHLOROTOLUENE	17.035	91	1300434	64.97	PPBV	86
65) 4-ETHYLTOLUENE	17.227	105	1540858	71.45	PPBV	94
66) 1,3,5-TRIMETHYLBENZENE	17.312	105	1488406	73.97	PPBV	92
67) 1,2,4-TRIMETHYLBENZENE	17.777	105	1360265	79.94	PPBV	91
68) m-DICHLOROBENZENE	17.962	146	595262	96.54	PPBV	93
69) BENZYL CHLORIDE	17.939	91	764584	126.72	PPBV	88
70) p-DICHLOROBENZENE	18.036	146	520298	99.55	PPBV	91
71) o-DICHLOROBENZENE	18.421	146	521996	97.30	PPBV	91
72) HEXACHLOROBUTADIENE	20.814	225	123134	49.25	PPBV	100
73) 1,2,4-TRICHLOROBENZENE	20.322	180	38916	68.82	PPBV	95

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3563.D
Acq On : 30 May 2007 2:34 pm
Operator : PhilipB
Sample : IC193-40 (M017)
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 1 Sample Multiplier: 1

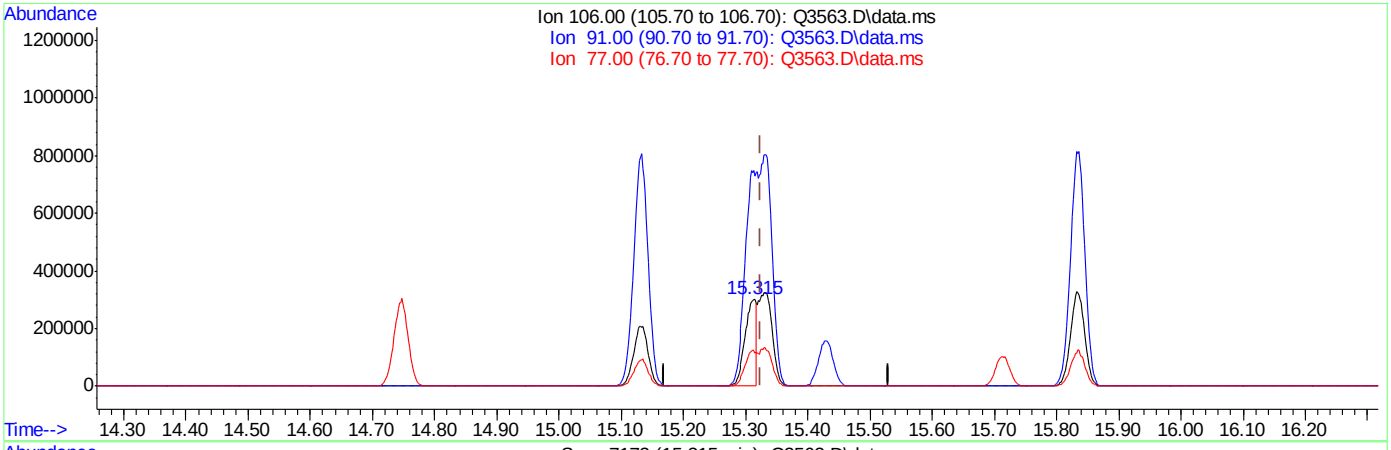
Quant Time: May 30 15:11:23 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 14:28:13 2007
Response via : Initial Calibration

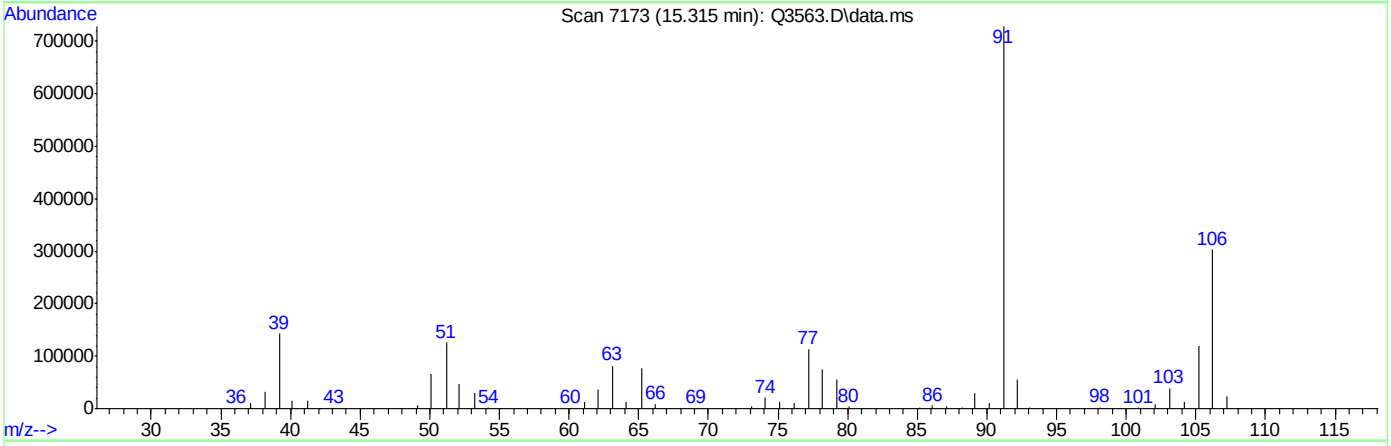


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3563.D
Acq On : 30 May 2007 2:34 pm
Operator : PhilipB
Sample : IC193-40 (M017)
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 30 15:10:58 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 14:28:13 2007
Response via : Initial Calibration





TIC: Q3563.D\data.ms

(56) m,p-XYLENE (m)

15.315min (-0.009) 47.33PPBV

response 373692

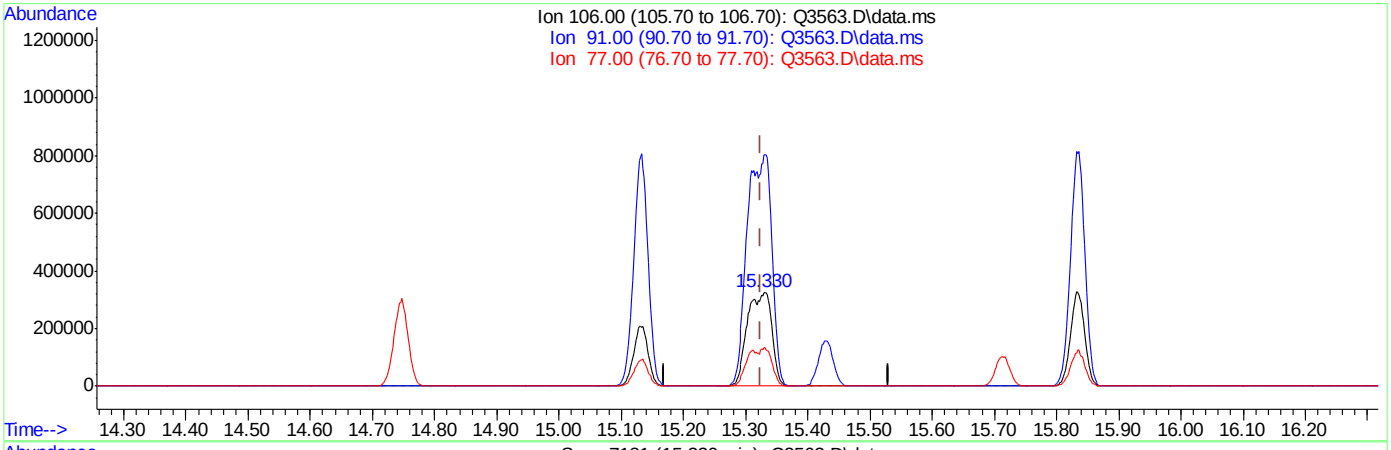
Ion	Exp%	Act%
106.00	100	100
91.00	204.20	240.62
77.00	30.60	37.53#
0.00	0.00	0.00

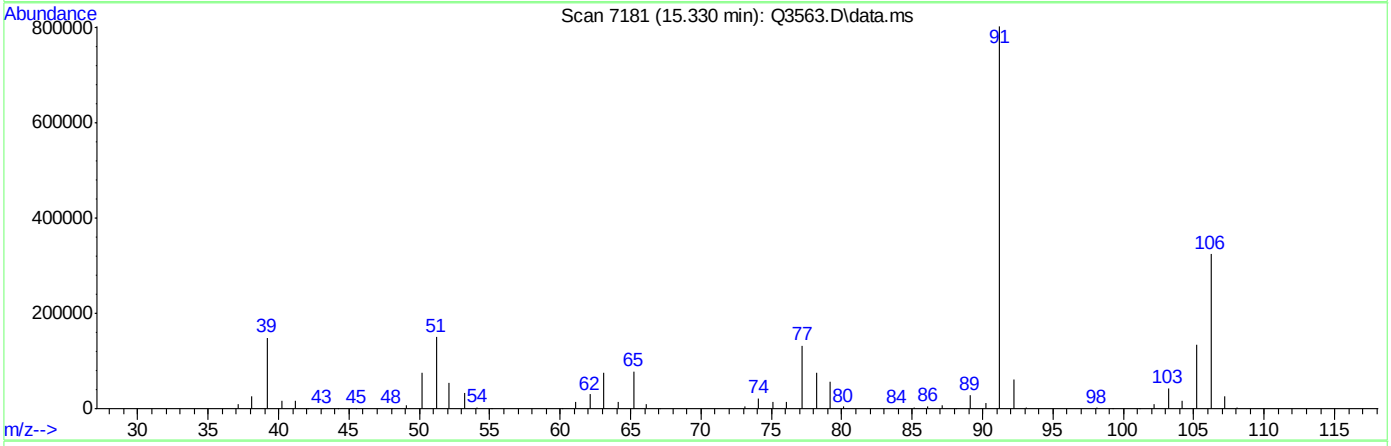
ACCUTEST Laboratories M65404

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3563.D
Acq On : 30 May 2007 2:34 pm
Operator : PhilipB
Sample : IC193-40 (M017)
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 30 15:10:58 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 14:28:13 2007
Response via : Initial Calibration





TIC: Q3563.D\data.ms

(56) m,p-XYLENE (m)

15.330min (+0.006) 111.90PPBV m

response 883480

Ion	Exp%	Act%
106.00	100	100
91.00	204.20	247.15#
77.00	30.60	40.80#
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
05/31/07 11:31

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3564.D
Acq On : 30 May 2007 3:27 pm
Operator : PhilipB
Sample : IC193-20 (M017)
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 30 15:59:50 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 15:12:07 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.429	128	38811	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.346	114	189912	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.700	117	170954	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.334	95	109088	5.76	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 115.20%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	3.606	85	807214	29.41	PPBV	83
3) PROPYLENE	3.535	41	135738	24.20	PPBV	94
4) FREON 114	3.872	85	648776	30.96	PPBV #	100
5) CHLOROMETHANE	3.774	50	178828	25.77	PPBV	100
6) VINYL CHLORIDE	3.994	62	171315	28.57	PPBV #	71
7) 1,3-BUTADIENE	4.133	39	208136	25.42	PPBV #	100
8) BROMOMETHANE	4.413	94	164174	32.07	PPBV #	100
9) CHLOROETHANE	4.587	64	72838	30.94	PPBV #	100
10) TRICHLOROFLUOROMETHANE	5.403	101	718182	25.60	PPBV #	100
11) ISOPROPYL ALCOHOL	5.455	45	350001	20.86	PPBV	94
12) ACETONE	5.197	43	435098	20.07	PPBV	85
13) PENTANE	5.780	42	184389	24.63	PPBV #	100
14) 1,1-DICHLOROETHYLENE	6.081	96	123344	24.83	PPBV #	1
15) CARBON DISULFIDE	6.534	76	345265	25.92	PPBV #	30
16) ETHANOL	4.683	45	63899	21.81	PPBV #	100
17) BROMOETHENE	4.954	106	142593	29.63	PPBV #	100
18) METHYLENE CHLORIDE	6.207	84	114218	8.70	PPBV #	1
19) 3-CHLOROPROPENE	6.332	39	257991	25.70	PPBV #	1
20) FREON 113	6.479	151	220545	24.11	PPBV #	100
21) TRANS-1,2-DICHLOROETHY...	7.191	96	126929	26.59	PPBV #	100
22) TERTIARY BUTYL ALCOHOL	6.101	59	213582	14.79	PPBV #	100
23) METHYL TERTIARY BUTYL ...	7.450	73	453368	25.27	PPBV #	100
24) TETRAHYDROFURAN	8.960	42	204286	26.09	PPBV #	100
25) HEXANE	8.463	57	183751	19.00	PPBV #	100
26) VINYL ACETATE	7.542	43	490130	24.35	PPBV	89
27) 1,1-DICHLOROETHANE	7.400	63	340545	25.29	PPBV #	100
28) METHYL ETHYL KETONE	7.798	43	445845	24.17	PPBV	87
29) cis-1,2-DICHLOROETHYLENE	8.259	96	102350	25.44	PPBV #	100
30) ETHYL ACETATE	8.472	43	666106	23.27	PPBV	100
31) CHLOROFORM	8.561	83	379905	23.42	PPBV #	100
32) 1,1,1-TRICHLOROETHANE	9.555	97	430082	23.56	PPBV #	85
33) CARBON TETRACHLORIDE	10.163	117	472956	24.72	PPBV	97
34) 1,2-DICHLOROETHANE	9.303	62	383295	24.43	PPBV	99
36) BENZENE	10.018	78	291555	24.83	PPBV	86
37) CYCLOHEXANE	10.289	84	105523	26.25	PPBV #	41
38) TRICHLOROETHYLENE	11.054	95	178353	24.66	PPBV #	75
39) 1,2-DICHLOROPROPANE	10.825	63	135467	25.56	PPBV	84
40) BROMODICHLOROMETHANE	11.017	83	410621	25.57	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.079	57	639900	25.65	PPBV #	94
42) 1,4-DIOXANE	11.042	88	48956	27.45	PPBV #	32
43) HEPTANE	11.329	43	322817	26.31	PPBV #	73

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3564.D
Acq On : 30 May 2007 3:27 pm
Operator : PhilipB
Sample : IC193-20 (M017)
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 30 15:59:50 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 15:12:07 2007
Response via : Initial Calibration

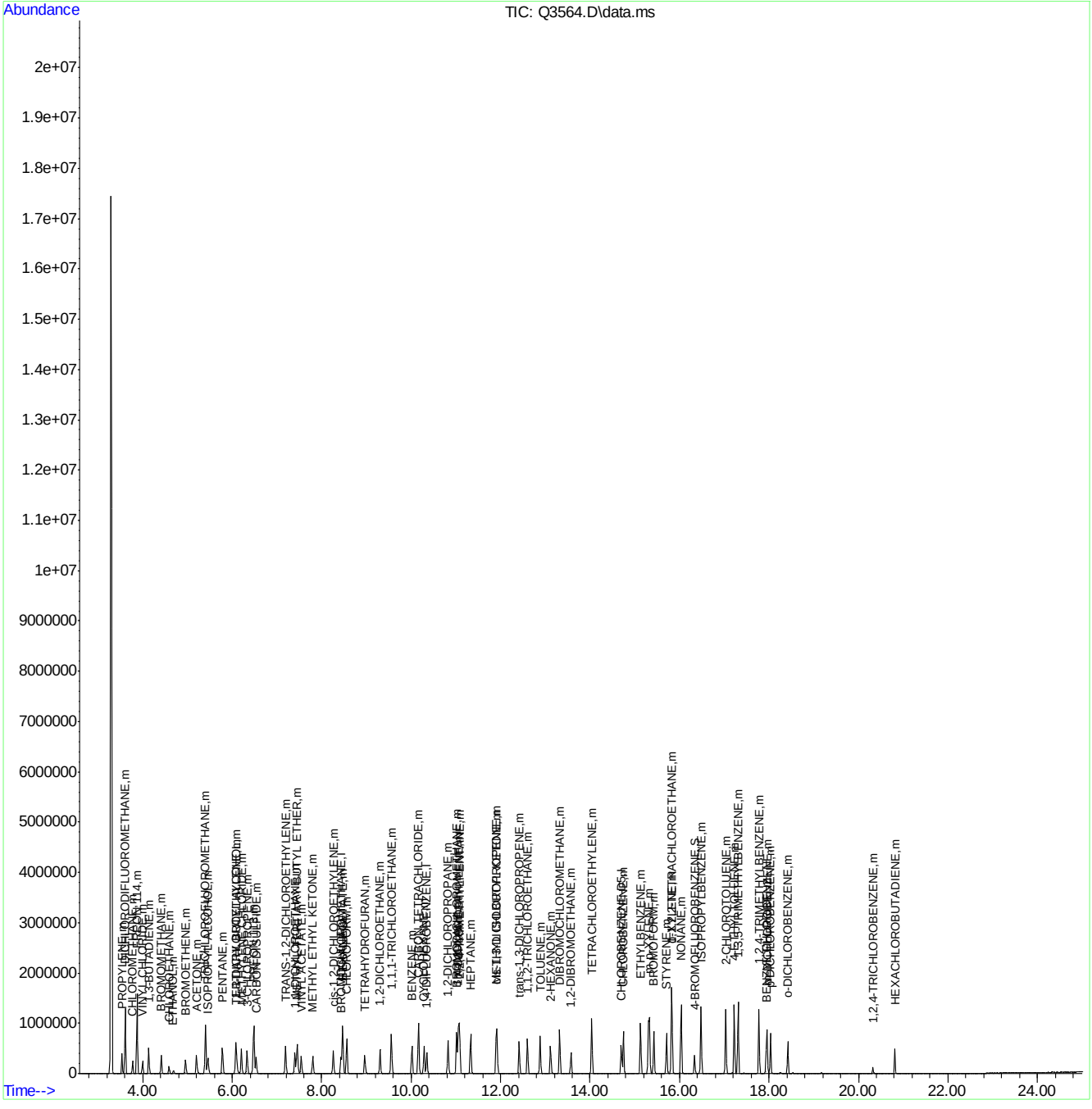
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.919	43	496394	27.98	PPBV	86
45) cis-1,3-DICHLOROPROPENE	11.899	75	213030	28.44	PPBV #	48
46) TOLUENE	12.884	92	208215	25.13	PPBV	95
47) trans-1,3-DICHLOROPROPENE	12.414	75	234405	31.13	PPBV #	98
48) 1,1,2-TRICHLOROETHANE	12.600	83	124946	26.68	PPBV	91
50) 2-HEXANONE	13.115	43	411076	28.11	PPBV	85
51) TETRACHLOROETHYLENE	14.036	164	119556	23.98	PPBV #	75
52) DIBROMOCHLOROMETHANE	13.319	129	334503	26.45	PPBV	98
53) 1,2-DIBROMOETHANE	13.574	107	231618	25.16	PPBV	98
54) CHLOROBENZENE	14.740	112	262862	24.98	PPBV #	79
55) ETHYLBENZENE	15.129	91	566218	25.58	PPBV	92
56) m,p-XYLENE	15.326	106	379167m	51.94	PPBV	
57) o-XYLENE	15.828	106	206002	27.09	PPBV #	74
58) STYRENE	15.711	104	244647	29.59	PPBV	85
59) NONANE	16.036	43	559324	28.68	PPBV	82
60) BROMOFORM	15.424	173	274136	29.04	PPBV	98
62) 1,1,2,2-TETRACHLOROETHANE	15.820	83	279868	23.73	PPBV	97
63) ISOPROPYLBENZENE	16.480	105	685304	27.18	PPBV	90
64) 2-CHLOROTOLUENE	17.035	91	559890	29.18	PPBV	84
65) 4-ETHYLTOLUENE	17.223	105	646937	30.88	PPBV	92
66) 1,3,5-TRIMETHYLBENZENE	17.309	105	603260	29.80	PPBV	91
67) 1,2,4-TRIMETHYLBENZENE	17.774	105	533901	29.93	PPBV	91
68) m-DICHLOROBENZENE	17.956	146	209063	30.83	PPBV	92
69) BENZYL CHLORIDE	17.933	91	227956	31.25	PPBV	86
70) p-DICHLOROBENZENE	18.033	146	194610	33.76	PPBV	91
71) o-DICHLOROBENZENE	18.420	146	150220	24.69	PPBV	91
72) HEXACHLOROBUTADIENE	20.814	225	46146	18.16	PPBV	98
73) 1,2,4-TRICHLOROBENZENE	20.322	180	18970	31.54	PPBV	93

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3564.D
Acq On : 30 May 2007 3:27 pm
Operator : PhilipB
Sample : IC193-20 (M017)
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 1 Sample Multiplier: 1

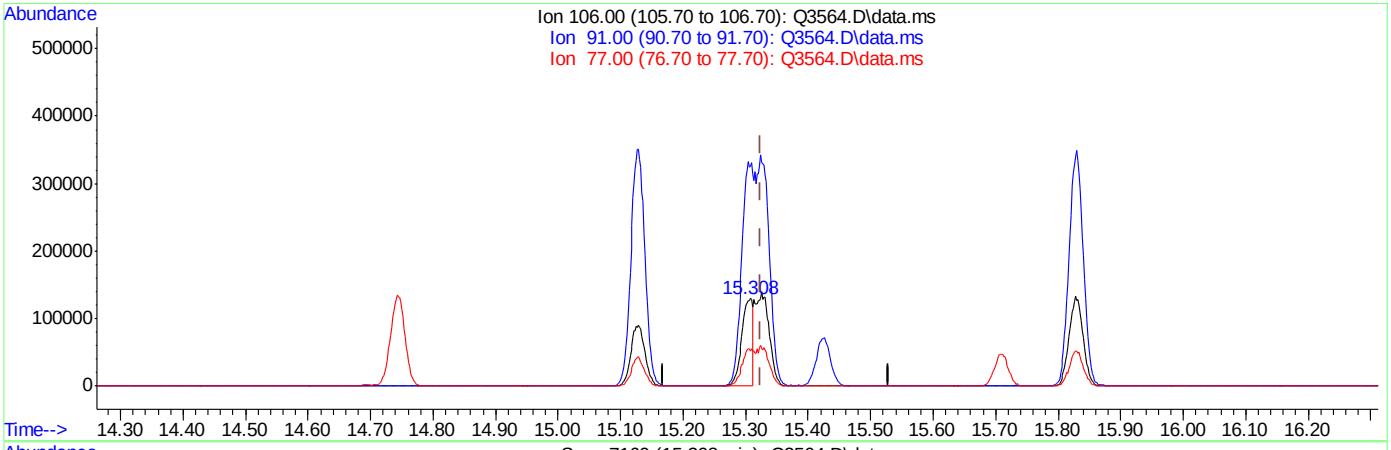
Quant Time: May 30 15:59:50 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 15:12:07 2007
Response via : Initial Calibration

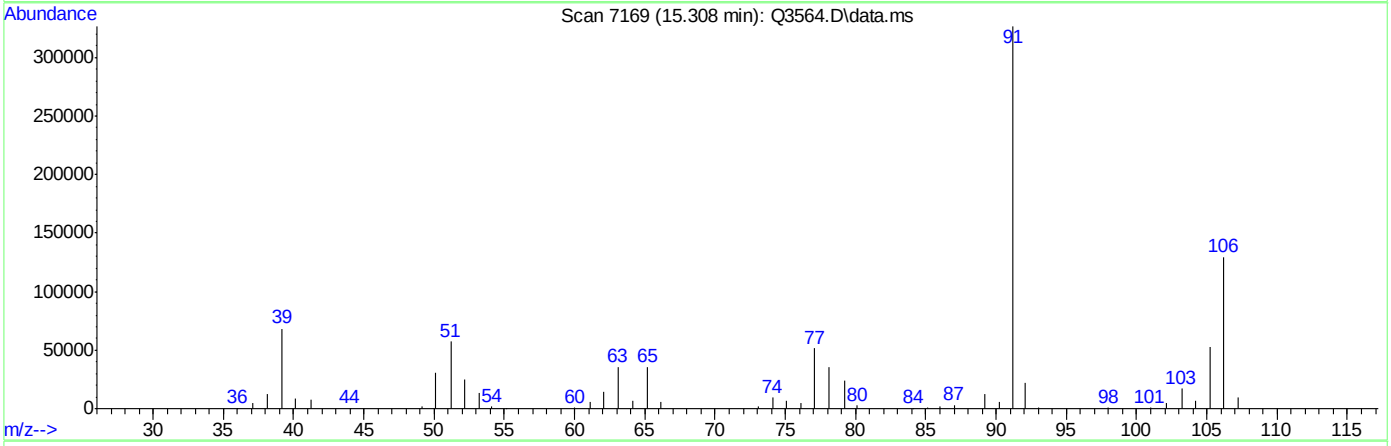


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3564.D
Acq On : 30 May 2007 3:27 pm
Operator : PhilipB
Sample : IC193-20 (M017)
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 30 15:59:21 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 15:12:07 2007
Response via : Initial Calibration





TIC: Q3564.D\data.ms

(56) m,p-XYLENE (m)

15.308min (-0.016) 21.90PPBV

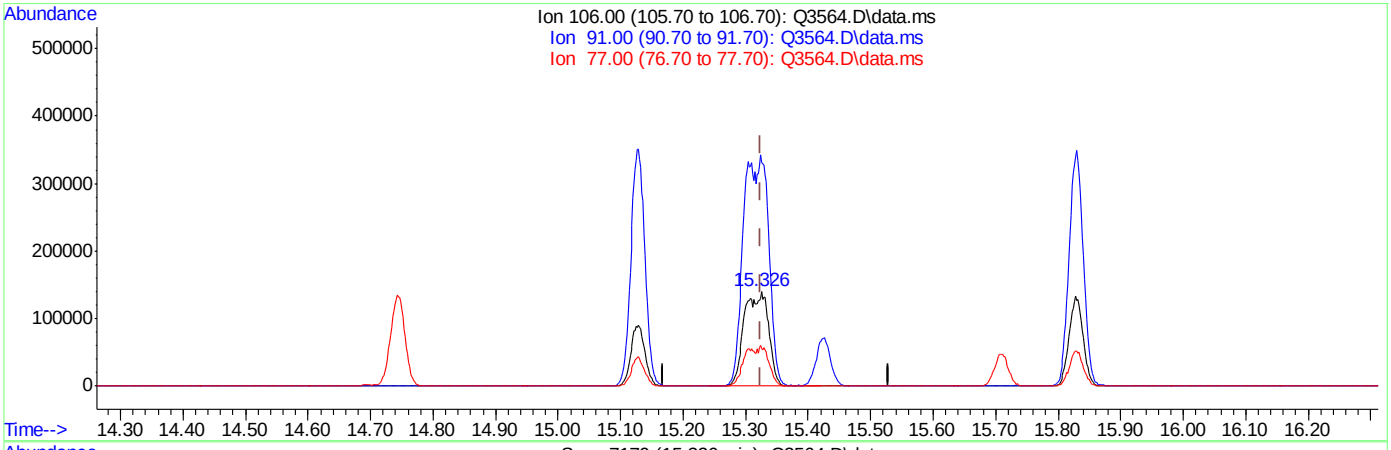
response 159882

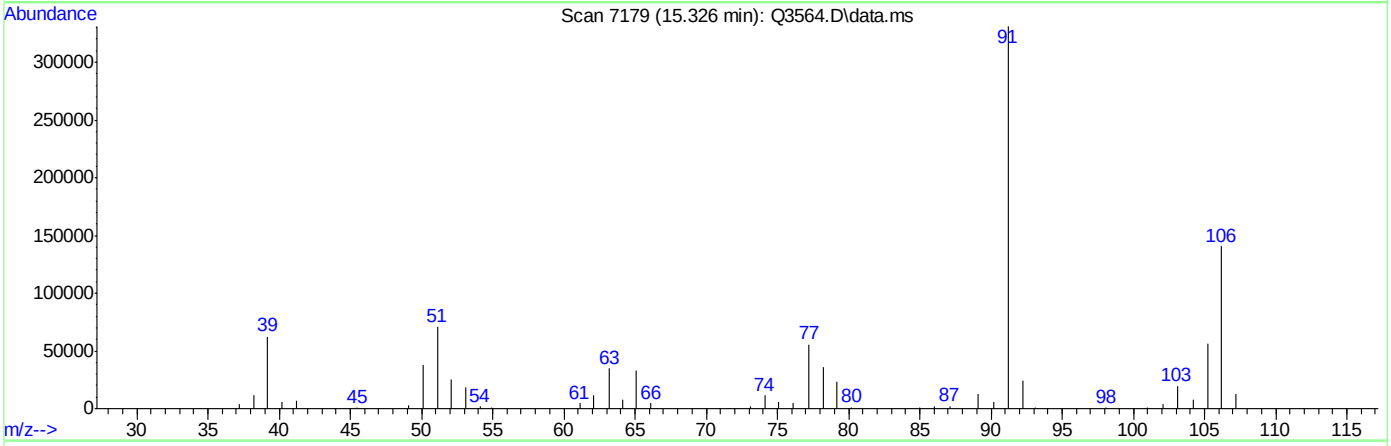
Ion	Exp%	Act%
106.00	100	100
91.00	204.20	252.00#
77.00	30.60	39.72#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3564.D
Acq On : 30 May 2007 3:27 pm
Operator : PhilipB
Sample : IC193-20 (M017)
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 30 15:59:21 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 15:12:07 2007
Response via : Initial Calibration





TIC: Q3564.D\data.ms

(56) m,p-XYLENE (m)

15.326min (+0.002) 51.94PPBV m

response 379167

Ion	Exp%	Act%
106.00	100	100
91.00	204.20	235.46
77.00	30.60	39.53#
0.00	0.00	0.00

Q3565.D

Manual Integrations APPROVED (compounds with "m" flag)

Doug Yargeau 05/31/07 11:31

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3565.D
Acq On : 30 May 2007 4:10 pm
Operator : PhilipB
Sample : ICC193-10 (M017)
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 30 16:34:03 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 16:00:04 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.431	128	40750	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.351	114	196101	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.696	117	170420	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.332	95	109411	5.71	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 114.20%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	3.611	85	382871	11.80	PPBV	82
3) PROPYLENE	3.538	41	70670	10.91	PPBV	95
4) FREON 114	3.873	85	267154	10.76	PPBV #	100
5) CHLOROMETHANE	3.776	50	90286	11.23	PPBV	91
6) VINYL CHLORIDE	3.998	62	71748	10.23	PPBV	74
7) 1,3-BUTADIENE	4.136	39	102355	10.78	PPBV #	100
8) BROMOMETHANE	4.415	94	60563	10.04	PPBV #	100
9) CHLOROETHANE	4.592	64	29550	10.70	PPBV #	100
10) TRICHLOROFLUOROMETHANE	5.409	101	330604	10.22	PPBV #	100
11) ISOPROPYL ALCOHOL	5.455	45	176366	9.29	PPBV	96
12) ACETONE	5.204	43	210705	8.55	PPBV	85
13) PENTANE	5.785	42	89155	10.34	PPBV #	100
14) 1,1-DICHLOROETHYLENE	6.081	96	57857	10.23	PPBV #	1
15) CARBON DISULFIDE	6.539	76	162728	10.64	PPBV #	29
16) ETHANOL	4.692	45	28878	8.63	PPBV #	100
17) BROMOETHENE	4.961	106	55699	9.98	PPBV #	100
18) METHYLENE CHLORIDE	6.204	84	57084	4.02	PPBV #	1
19) 3-CHLOROPROPENE	6.333	39	126716	10.83	PPBV #	1
20) FREON 113	6.486	151	102641	9.90	PPBV #	100
21) TRANS-1,2-DICHLOROETHY...	7.190	96	59913	10.90	PPBV #	100
22) TERTIARY BUTYL ALCOHOL	6.101	59	208977	13.49	PPBV #	100
23) METHYL TERTIARY BUTYL ...	7.453	73	220301	10.64	PPBV #	100
24) TETRAHYDROFURAN	8.962	42	98607	10.85	PPBV #	100
25) HEXANE	8.470	57	93928	8.63	PPBV #	100
26) VINYL ACETATE	7.545	43	253764	11.00	PPBV	89
27) 1,1-DICHLOROETHANE	7.402	63	165696	10.65	PPBV #	100
28) METHYL ETHYL KETONE	7.801	43	219580	10.31	PPBV	87
29) cis-1,2-DICHLOROETHYLENE	8.255	96	49844	10.84	PPBV #	100
30) ETHYL ACETATE	8.472	43	333499	10.14	PPBV	100
31) CHLOROFORM	8.561	83	191138	10.34	PPBV #	100
32) 1,1,1-TRICHLOROETHANE	9.556	97	212480	10.25	PPBV #	86
33) CARBON TETRACHLORIDE	10.165	117	228890	10.51	PPBV	96
34) 1,2-DICHLOROETHANE	9.304	62	191668	10.65	PPBV	98
36) BENZENE	10.016	78	142859	10.81	PPBV	84
37) CYCLOHEXANE	10.293	84	50819	11.23	PPBV #	40
38) TRICHLOROETHYLENE	11.056	95	84917	10.47	PPBV #	74
39) 1,2-DICHLOROPROPANE	10.820	63	65554	10.97	PPBV	85
40) BROMODICHLOROMETHANE	11.015	83	197027	10.89	PPBV	100
41) 2,2,4-TRIMETHYLPENTANE	11.079	57	307616	10.91	PPBV	96
42) 1,4-DIOXANE	11.042	88	23168	11.39	PPBV #	43
43) HEPTANE	11.327	43	155294	11.11	PPBV #	71

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3565.D
Acq On : 30 May 2007 4:10 pm
Operator : PhilipB
Sample : ICC193-10 (M017)
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 30 16:34:03 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 16:00:04 2007
Response via : Initial Calibration

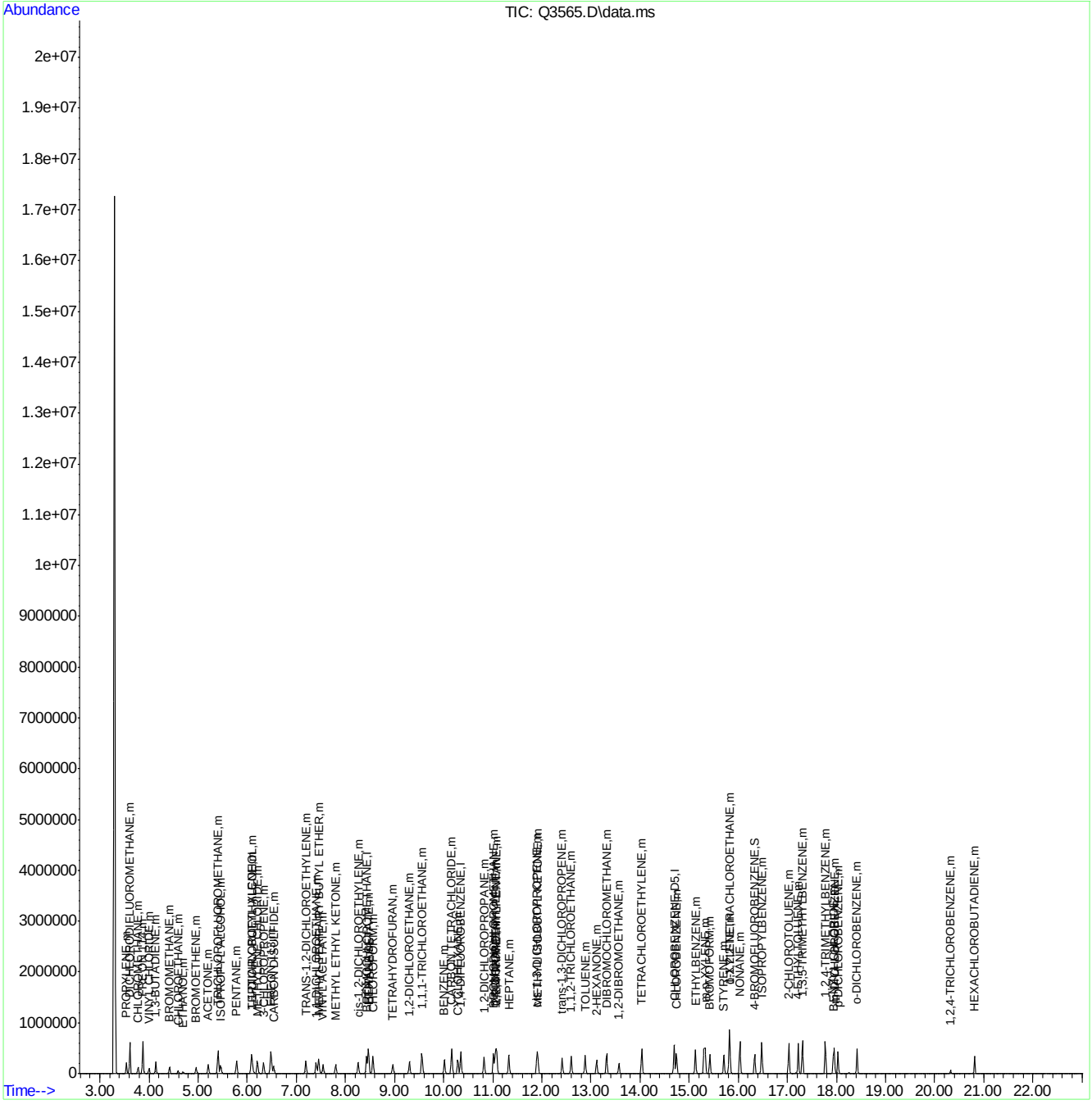
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.917	43	239259	11.74	PPBV	84
45) cis-1,3-DICHLOROPROPENE	11.895	75	99696	11.68	PPBV #	47
46) TOLUENE	12.884	92	97326	10.49	PPBV	94
47) trans-1,3-DICHLOROPROPENE	12.414	75	109689	12.65	PPBV #	98
48) 1,1,2-TRICHLOROETHANE	12.600	83	59140	11.18	PPBV	89
50) 2-HEXANONE	13.113	43	206631	12.74	PPBV	85
51) TETRACHLOROETHYLENE	14.037	164	53558	10.14	PPBV #	74
52) DIBROMOCHLOROMETHANE	13.319	129	152804	11.17	PPBV	99
53) 1,2-DIBROMOETHANE	13.572	107	108171	10.90	PPBV	98
54) CHLOROBENZENE	14.746	112	120467	10.65	PPBV #	77
55) ETHYLBENZENE	15.125	91	261284	10.87	PPBV	91
56) m,p-XYLENE	15.326	106	170592m	21.59	PPBV	
57) o-XYLENE	15.828	106	92637	11.22	PPBV #	71
58) STYRENE	15.704	104	111368	12.30	PPBV	86
59) NONANE	16.034	43	261281	12.01	PPBV	82
60) BROMOFORM	15.420	173	117054	11.44	PPBV	98
62) 1,1,2,2-TETRACHLOROETHANE	15.819	83	161097	12.81	PPBV	97
63) ISOPROPYLBENZENE	16.478	105	305936	11.15	PPBV	89
64) 2-CHLOROTOLUENE	17.030	91	249805	11.81	PPBV	81
65) 4-ETHYLTOLUENE	17.221	105	276651	11.95	PPBV	93
66) 1,3,5-TRIMETHYLBENZENE	17.307	105	268760	12.08	PPBV	89
67) 1,2,4-TRIMETHYLBENZENE	17.772	105	254166	12.98	PPBV	90
68) m-DICHLOROBENZENE	17.956	146	108012	14.78	PPBV	89
69) BENZYL CHLORIDE	17.935	91	160617	20.52	PPBV	86
70) p-DICHLOROBENZENE	18.032	146	98692	15.66	PPBV	89
71) o-DICHLOROBENZENE	18.418	146	108505	17.07	PPBV	88
72) HEXACHLOROBUTADIENE	20.815	225	29239	10.73	PPBV	98
73) 1,2,4-TRICHLOROBENZENE	20.320	180	10822	15.49	PPBV	89

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3565.D
Acq On : 30 May 2007 4:10 pm
Operator : PhilipB
Sample : ICC193-10 (M017)
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 1 Sample Multiplier: 1

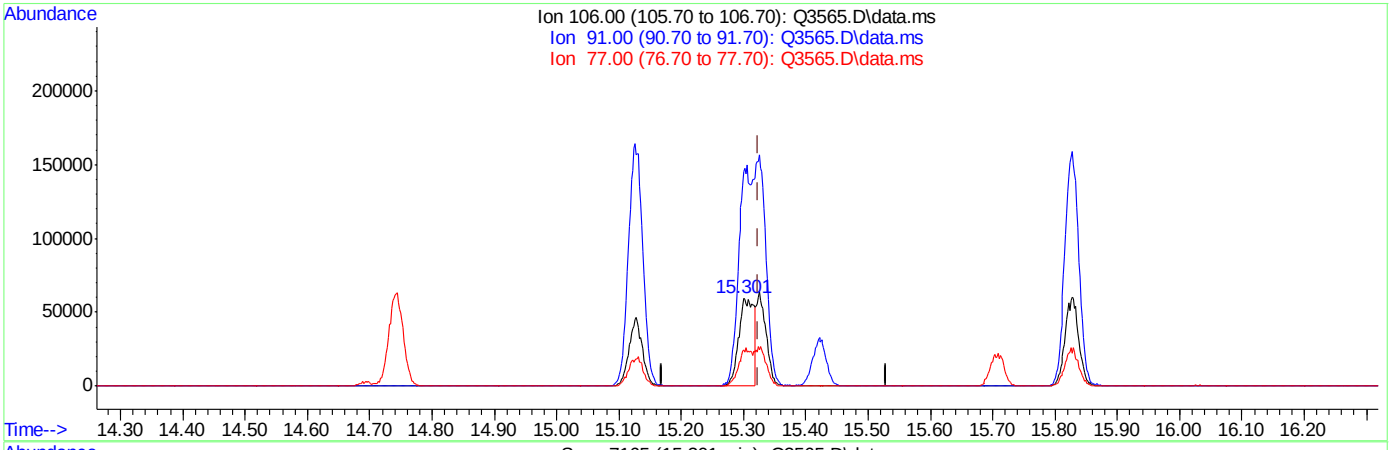
Quant Time: May 30 16:34:03 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 16:00:04 2007
Response via : Initial Calibration

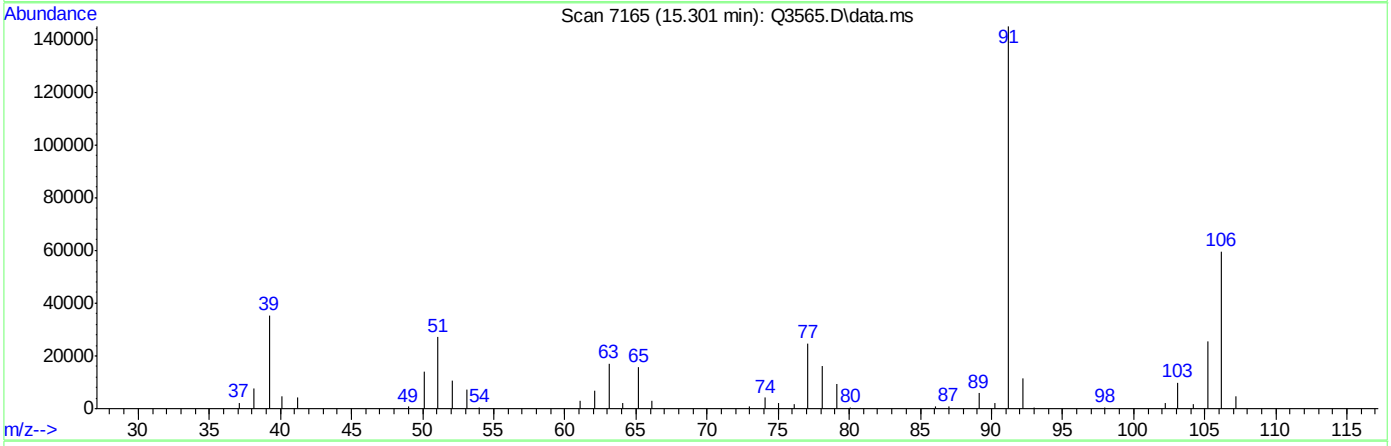


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3565.D
Acq On : 30 May 2007 4:10 pm
Operator : PhilipB
Sample : ICC193-10 (M017)
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 30 16:33:49 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 16:00:04 2007
Response via : Initial Calibration





TIC: Q3565.D\data.ms

(56) m,p-XYLENE (m)

15.301min (-0.023) 12.95PPBV

response 102315

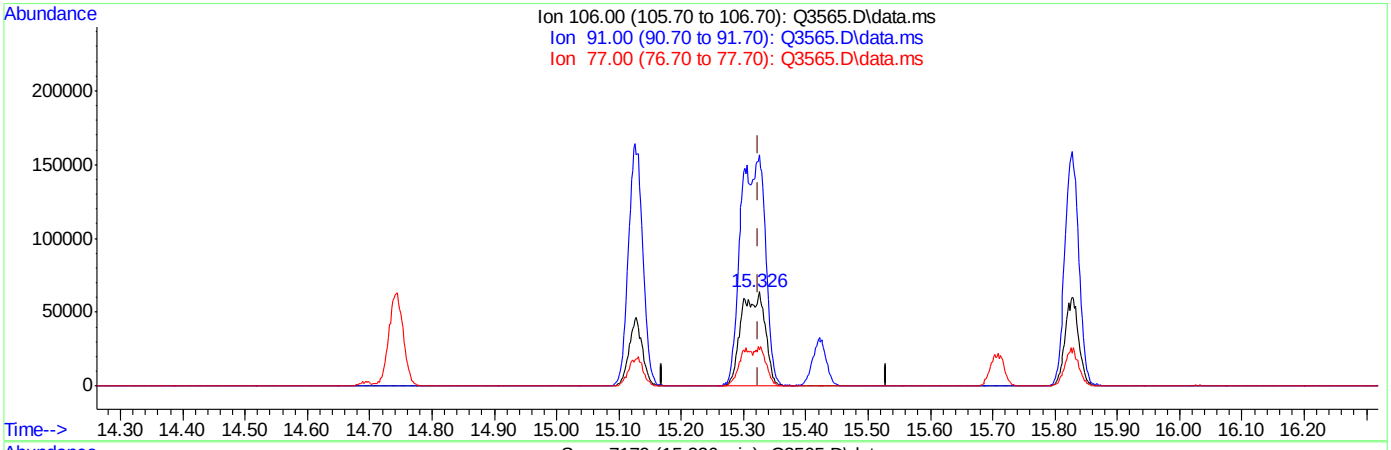
Ion	Exp%	Act%
106.00	100	100
91.00	204.20	242.95
77.00	30.60	41.64#
0.00	0.00	0.00

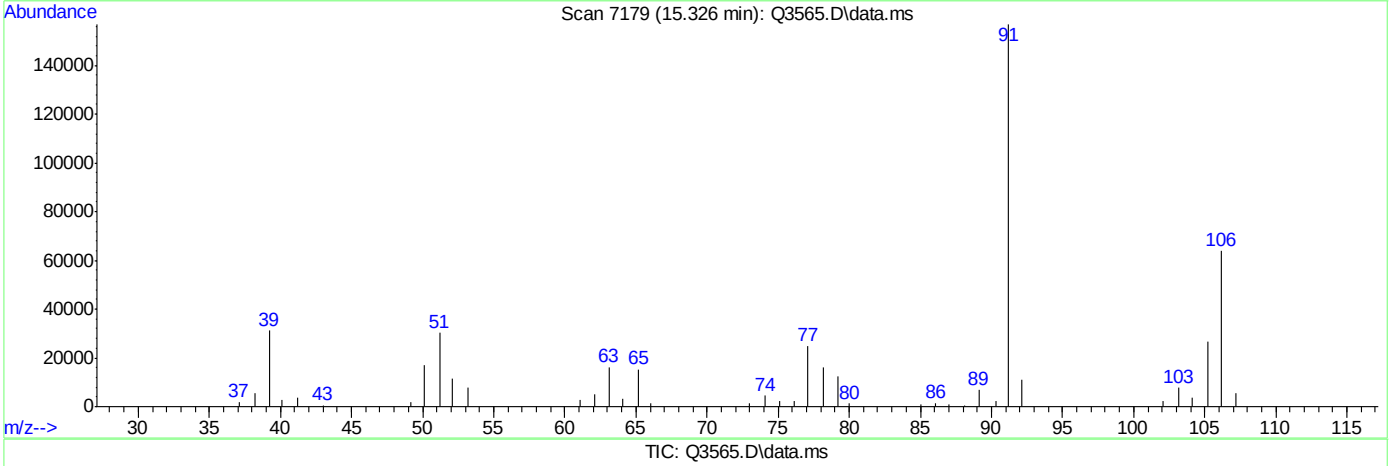
ACCUTEST Laboratories M65404

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3565.D
Acq On : 30 May 2007 4:10 pm
Operator : PhilipB
Sample : ICC193-10 (M017)
Misc : MS13624, MSQ193,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 30 16:33:49 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 30 16:00:04 2007
Response via : Initial Calibration





TIC: Q3565.D\data.ms

(56) m,p-XYLENE (m)

15.326min (+0.002) 21.59PPBV m

response 170592

Ion	Exp%	Act%
106.00	100	100
91.00	204.20	246.15#
77.00	30.60	39.05#
0.00	0.00	0.00

ACCUTEST Laboratories M65404

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
06/01/07 10:29

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3570A.D
Acq On : 31 May 2007 8:52 am
Operator : PhilipB
Sample : IC1V93-10 (M021)
Misc : MS13661, MSQ194,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 31 09:31:16 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 31 09:26:17 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.422	128	29685	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.346	114	141463	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.694	117	121070	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.332	95	81985	5.78	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 115.60%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	3.597	85	241465	9.31	PPBV	79
3) PROPYLENE	3.526	41	52447	10.20	PPBV	91
4) FREON 114	3.859	85	188091	9.62	PPBV #	100
5) CHLOROMETHANE	3.764	50	64807	10.15	PPBV	93
6) VINYL CHLORIDE	3.987	62	54155	9.88	PPBV	72
7) 1,3-BUTADIENE	4.122	39	84558	11.21	PPBV #	100
8) BROMOMETHANE	4.401	94	47087	10.04	PPBV #	100
9) CHLOROETHANE	4.578	64	23313	10.74	PPBV #	100
10) TRICHLOROFLUOROMETHANE	5.393	101	272445	10.71	PPBV #	100
11) ISOPROPYL ALCOHOL	5.441	45	148099	11.03	PPBV	96
12) ACETONE	5.189	43	182479	10.90	PPBV	85
13) PENTANE	5.767	42	76574	11.23	PPBV #	100
14) 1,1-DICHLOROETHYLENE	6.069	96	46355	10.47	PPBV #	1
15) CARBON DISULFIDE	6.523	76	141804	11.77	PPBV #	25
16) ETHANOL	4.676	45	23519	9.88	PPBV #	100
17) BROMOETHENE	4.947	106	43100	9.93	PPBV #	100
18) METHYLENE CHLORIDE	6.195	84	46949	10.49	PPBV #	1
19) 3-CHLOROPROPENE	6.323	39	108489	11.60	PPBV #	1
20) FREON 113	6.474	151	84770	10.51	PPBV #	100
21) TRANS-1,2-DICHLOROETHY...	7.182	96	52047	12.02	PPBV #	100
22) TERTIARY BUTYL ALCOHOL	6.085	59	172906m	13.00	PPBV	
23) METHYL TERTIARY BUTYL ...	7.443	73	190142	11.61	PPBV #	100
24) TETRAHYDROFURAN	8.957	42	77097	10.67	PPBV #	100
25) HEXANE	8.460	57	71363	9.49	PPBV #	100
26) VINYL ACETATE	7.535	43	208993	11.31	PPBV	90
27) 1,1-DICHLOROETHANE	7.389	63	148181	12.04	PPBV #	100
28) METHYL ETHYL KETONE	7.790	43	170910	10.13	PPBV	83
29) cis-1,2-DICHLOROETHYLENE	8.248	96	37723	10.43	PPBV #	100
30) ETHYL ACETATE	8.465	43	264622	10.18	PPBV	100
31) CHLOROFORM	8.552	83	148253	10.18	PPBV #	100
32) 1,1,1-TRICHLOROETHANE	9.553	97	163699	10.07	PPBV #	85
33) CARBON TETRACHLORIDE	10.156	117	172144	10.06	PPBV	97
34) 1,2-DICHLOROETHANE	9.299	62	153139	10.75	PPBV	97
36) BENZENE	10.011	78	110248	10.67	PPBV	85
37) CYCLOHEXANE	10.284	84	37704	10.65	PPBV #	38
38) TRICHLOROETHYLENE	11.049	95	65499	10.37	PPBV #	72
39) 1,2-DICHLOROPROPANE	10.822	63	50414	10.77	PPBV	85
40) BROMODICHLOROMETHANE	11.013	83	153693	10.85	PPBV	97
41) 2,2,4-TRIMETHYLPENTANE	11.077	57	236758	10.71	PPBV #	94
42) 1,4-DIOXANE	11.038	88	17548	10.80	PPBV #	31
43) HEPTANE	11.326	43	117805	10.71	PPBV #	72

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3570A.D
Acq On : 31 May 2007 8:52 am
Operator : PhilipB
Sample : IC1V93-10 (M021)
Misc : MS13661, MSQ194,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 31 09:31:16 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 31 09:26:17 2007
Response via : Initial Calibration

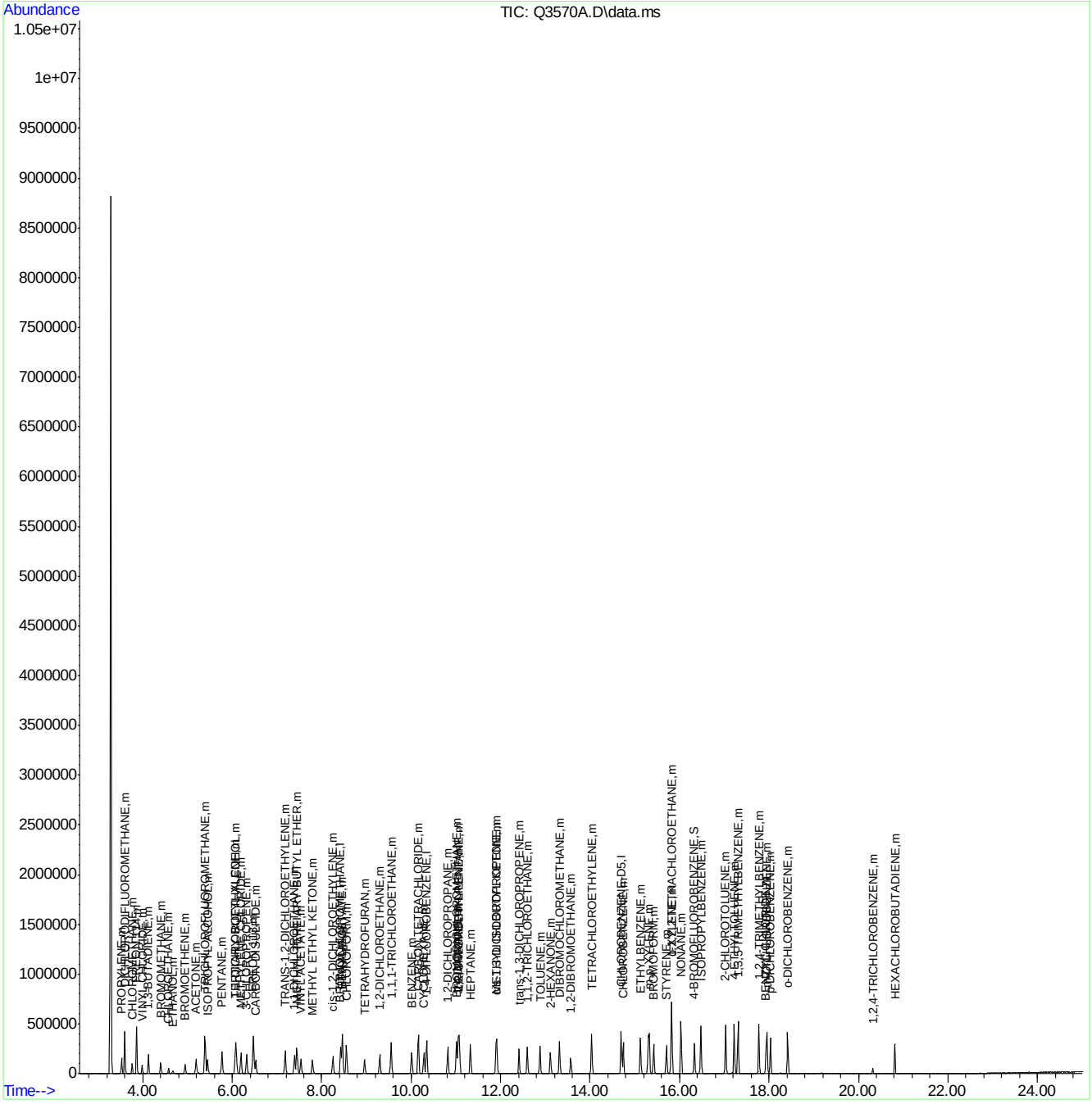
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.912	43	190824	11.77	PPBV	83
45) cis-1,3-DICHLOROPROPENE	11.894	75	75755	11.27	PPBV #	36
46) TOLUENE	12.875	92	71611	9.91	PPBV	93
47) trans-1,3-DICHLOROPROPENE	12.410	75	82088	11.89	PPBV #	97
48) 1,1,2-TRICHLOROETHANE	12.595	83	44673	10.77	PPBV	90
50) 2-HEXANONE	13.109	43	160726	12.32	PPBV	83
51) TETRACHLOROETHYLENE	14.032	164	38631	9.67	PPBV #	73
52) DIBROMOCHLOROMETHANE	13.317	129	114620	10.92	PPBV	99
53) 1,2-DIBROMOETHANE	13.567	107	79932	10.50	PPBV	99
54) CHLOROBENZENE	14.742	112	87353	10.10	PPBV #	71
55) ETHYLBENZENE	15.127	91	197929	10.72	PPBV	90
56) m,p-XYLENE	15.323	106	126911m	20.93	PPBV	
57) o-XYLENE	15.827	106	68053	10.71	PPBV #	61
58) STYRENE	15.704	104	83741	11.87	PPBV #	84
59) NONANE	16.034	43	211502	12.42	PPBV	81
60) BROMOFORM	15.420	173	88184	11.12	PPBV	97
62) 1,1,2,2-TETRACHLOROETHANE	15.818	83	126303	12.30	PPBV	95
63) ISOPROPYLBENZENE	16.476	105	233690	11.06	PPBV	88
64) 2-CHLOROTOLUENE	17.032	91	191443	11.51	PPBV	80
65) 4-ETHYLTOLUENE	17.222	105	217551	11.94	PPBV	90
66) 1,3,5-TRIMETHYLBENZENE	17.309	105	210316	11.87	PPBV	88
67) 1,2,4-TRIMETHYLBENZENE	17.774	105	198330	12.45	PPBV	87
68) m-DICHLOROBENZENE	17.955	146	83607	12.03	PPBV	89
69) BENZYL CHLORIDE	17.933	91	127741	14.93	PPBV	84
70) p-DICHLOROBENZENE	18.029	146	73427	11.33	PPBV	88
71) o-DICHLOROBENZENE	18.420	146	83548	14.70	PPBV	86
72) HEXACHLOROBUTADIENE	20.814	225	22213	13.24	PPBV	97
73) 1,2,4-TRICHLOROBENZENE	20.324	180	7151	10.42	PPBV	92

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3570A.D
Acq On : 31 May 2007 8:52 am
Operator : PhilipB
Sample : IC1V93-10 (M021)
Misc : MS13661, MSQ194,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 31 09:31:16 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 31 09:26:17 2007
Response via : Initial Calibration

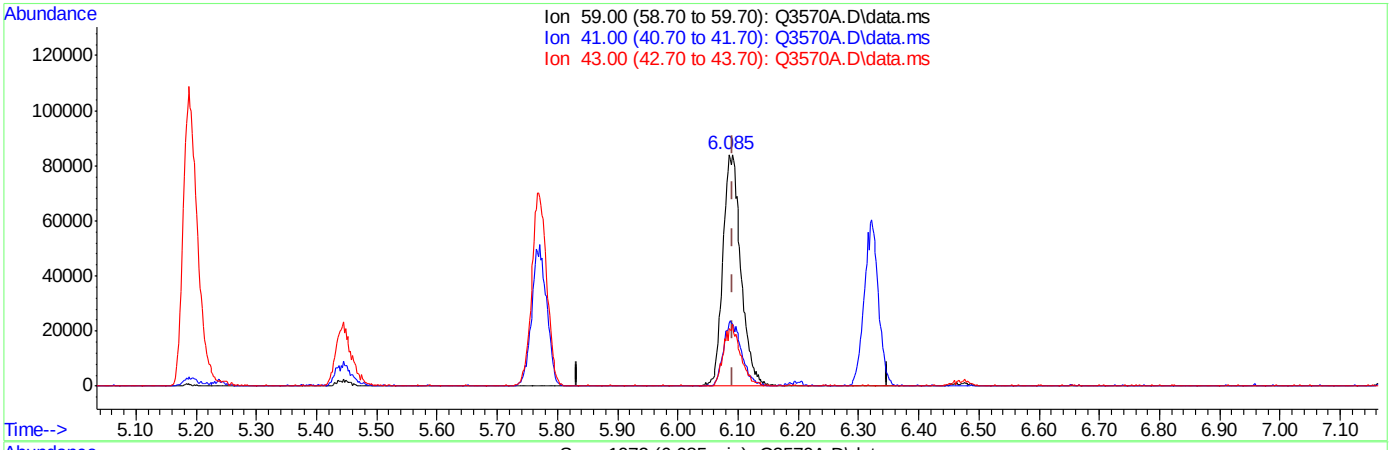


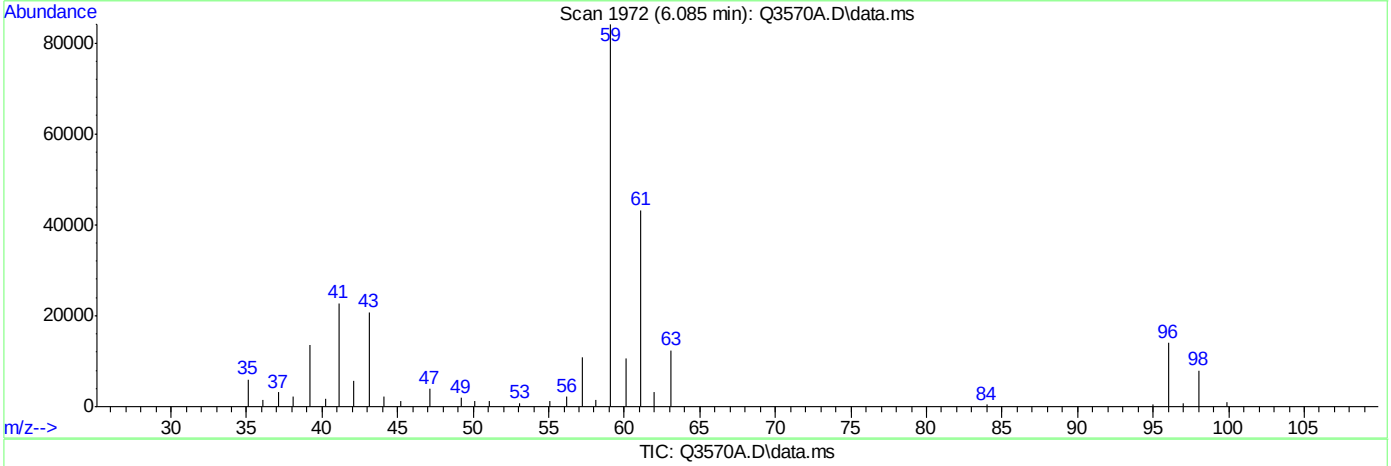
ACCUTEST Laboratories M65404

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3570A.D
Acq On : 31 May 2007 8:52 am
Operator : PhilipB
Sample : IC1V93-10 (M021)
Misc : MS13661, MSQ194,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 31 09:27:18 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 31 09:26:17 2007
Response via : Initial Calibration





TIC: Q3570A.D\data.ms

(22) TERTIARY BUTYL ALCOHOL (m)

6.085min (-0.006) 13.05PPBV

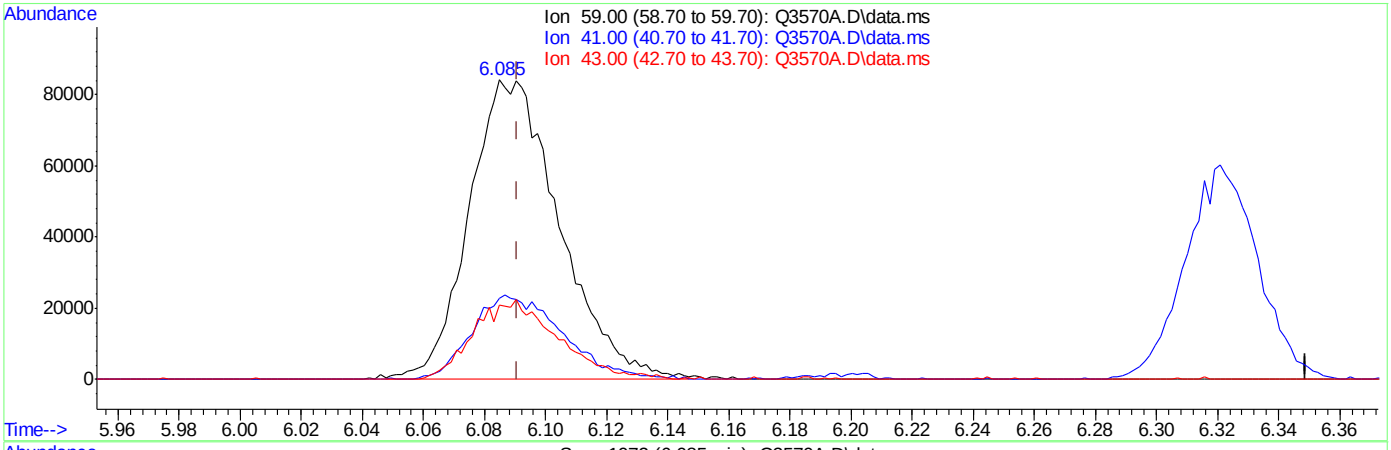
response 173623

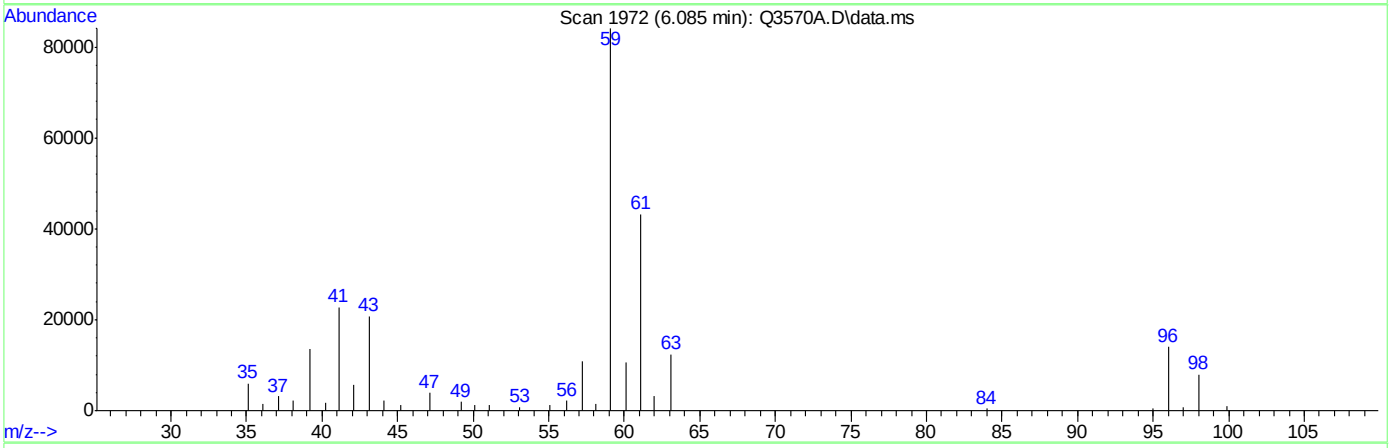
Ion	Exp%	Act%
59.00	100	100
41.00	0.00	28.18#
43.00	0.00	24.87#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3570A.D
Acq On : 31 May 2007 8:52 am
Operator : PhilipB
Sample : IC1V93-10 (M021)
Misc : MS13661, MSQ194,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 31 09:27:18 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 31 09:26:17 2007
Response via : Initial Calibration





TIC: Q3570A.D\data.ms

(22) TERTIARY BUTYL ALCOHOL (m)

6.085min (-0.006) 13.00PPBV m

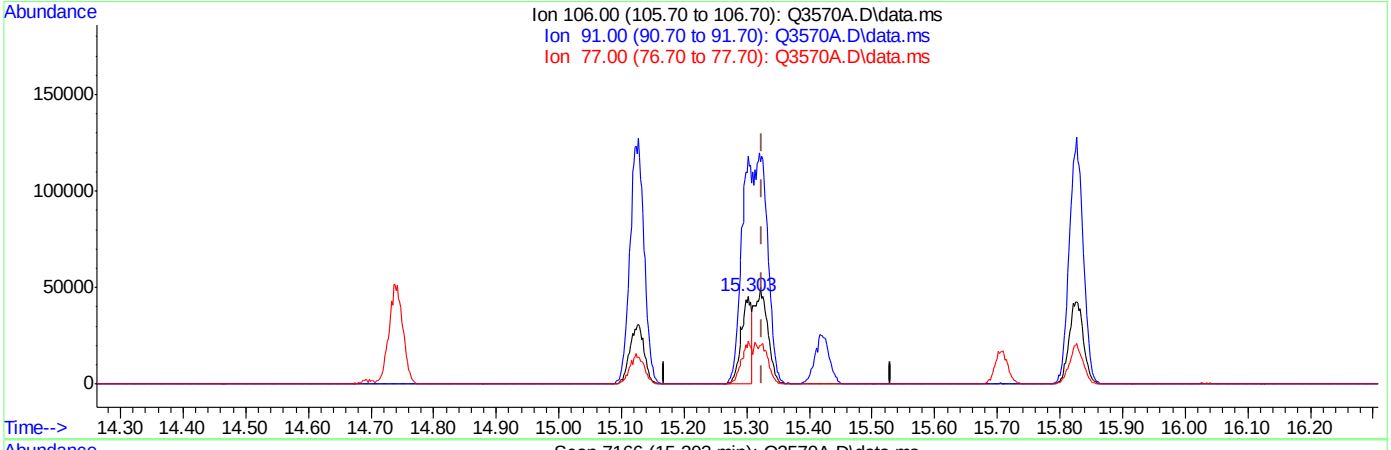
response 172906

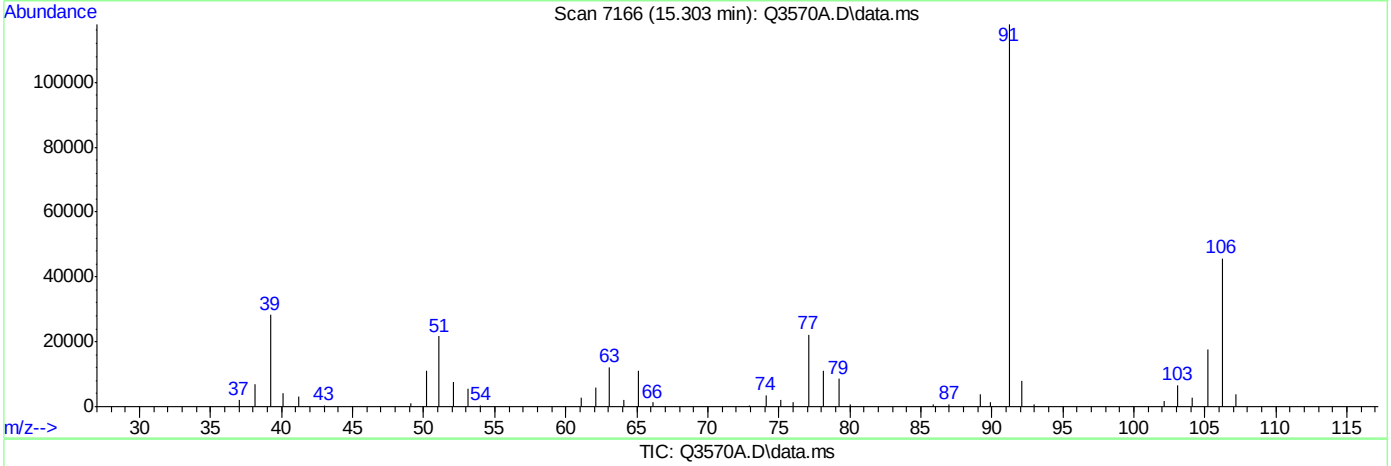
Ion	Exp%	Act%
59.00	100	100
41.00	0.00	28.30#
43.00	0.00	24.98#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3570A.D
Acq On : 31 May 2007 8:52 am
Operator : PhilipB
Sample : IC1V93-10 (M021)
Misc : MS13661, MSQ194,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 31 09:27:18 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 31 09:26:17 2007
Response via : Initial Calibration





TIC: Q3570A.D\data.ms

(56) m,p-XYLENE (m)

15.303min (-0.021) 8.72PPBV

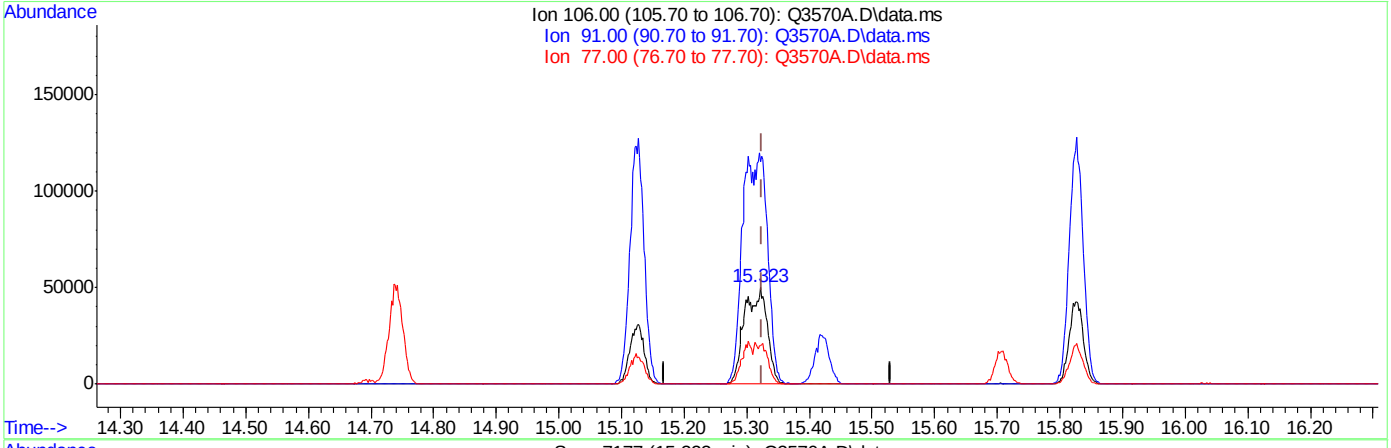
response 52855

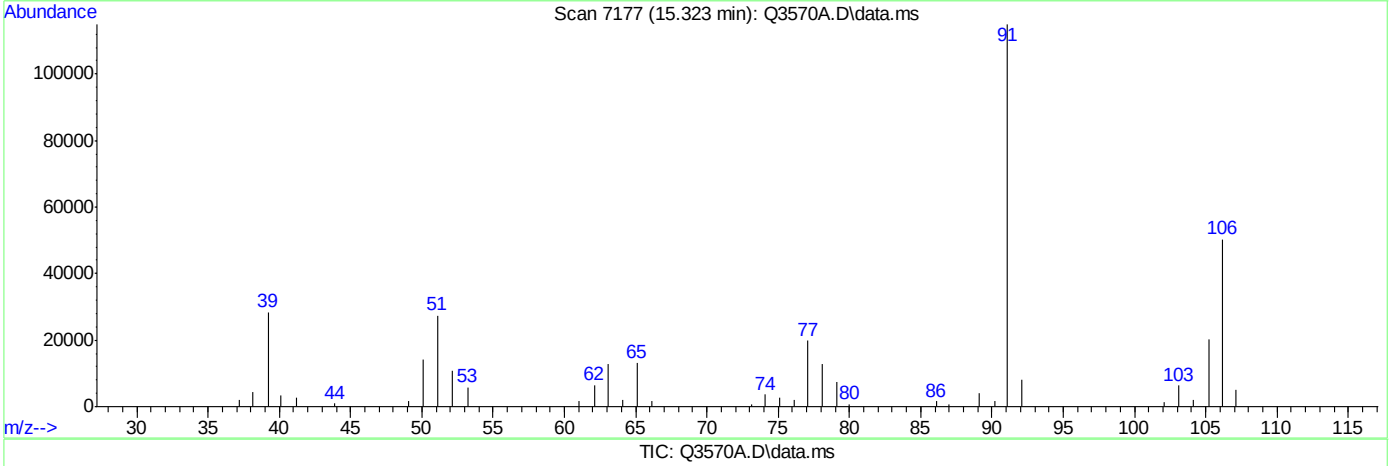
Ion	Exp%	Act%
106.00	100	100
91.00	204.20	257.90#
77.00	30.60	48.46#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3570A.D
Acq On : 31 May 2007 8:52 am
Operator : PhilipB
Sample : IC1V93-10 (M021)
Misc : MS13661, MSQ194,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 31 09:27:18 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 31 09:26:17 2007
Response via : Initial Calibration





TIC: Q3570A.D\data.ms

(56) m,p-XYLENE (m)

15.323min (-0.001) 20.93PPBV m

response 126911

Ion	Exp%	Act%
106.00	100	100
91.00	204.20	228.76
77.00	30.60	39.36#
0.00	0.00	0.00

ACCUTEST Laboratories M65404

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3590.D
Acq On : 1 Jun 2007 3:56 pm
Operator : PhilipB
Sample : CC193-10 (M021)
Misc : MS13676, MSQ195,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 01 16:29:13 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Jun 01 16:17:24 2007
Response via : Initial Calibration

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

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.334	95	94503	5.30	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 106.00%

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3590.D
Acq On : 1 Jun 2007 3:56 pm
Operator : PhilipB
Sample : CC193-10 (M021)
Misc : MS13676, MSQ195,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 01 16:29:13 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Jun 01 16:17:24 2007
Response via : Initial Calibration

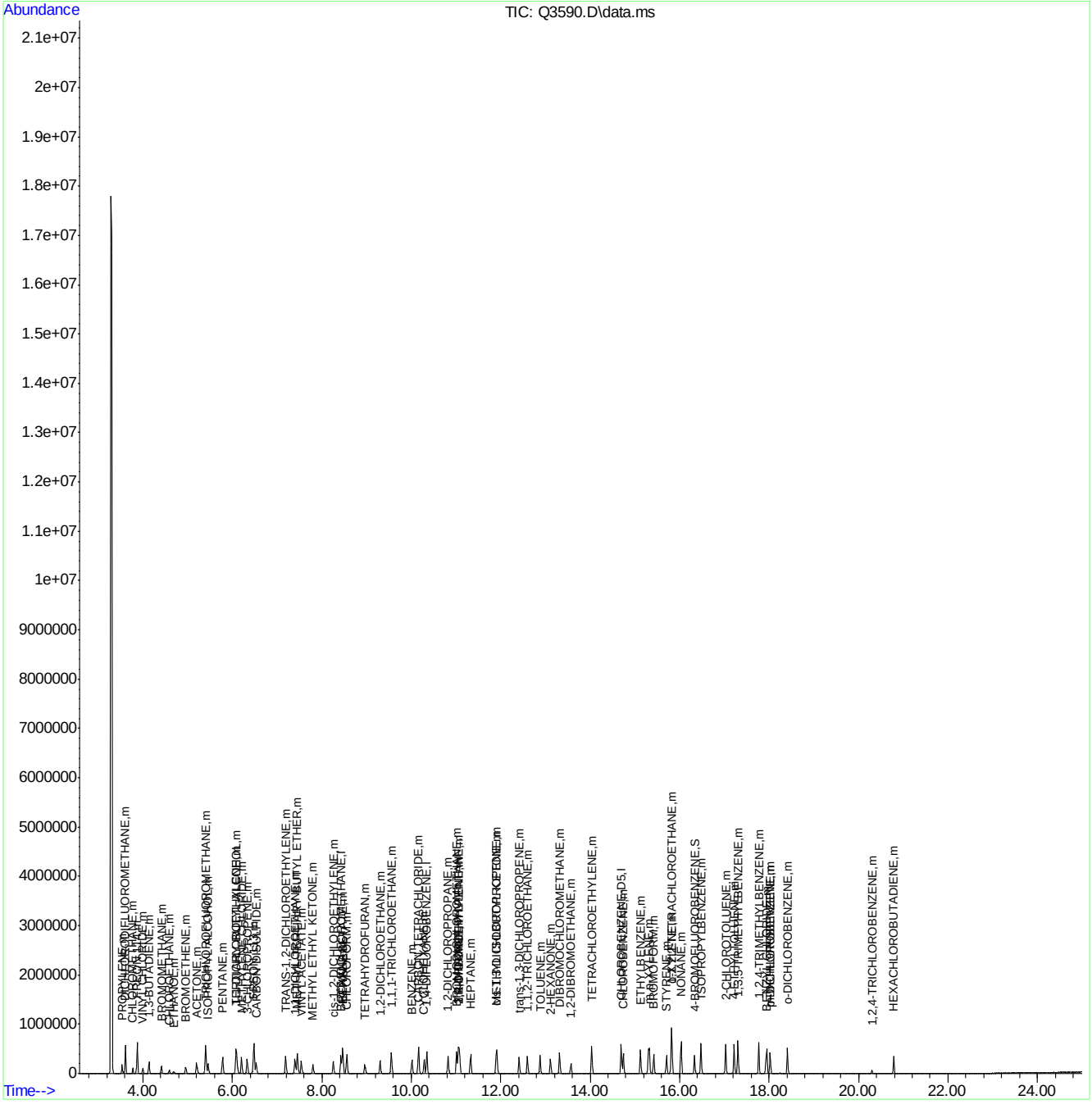
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.917	43	253444	12.34 PPBV	83
45) cis-1,3-DICHLOROPROPENE	11.901	75	97632	11.46 PPBV #	26
46) TOLUENE	12.879	92	89346	9.76 PPBV	91
47) trans-1,3-DICHLOROPROPENE	12.414	75	103625	11.84 PPBV #	98
48) 1,1,2-TRICHLOROETHANE	12.598	83	58514	11.13 PPBV #	86
50) 2-HEXANONE	13.115	43	212402	12.95 PPBV	81
51) TETRACHLOROETHYLENE	14.038	164	46234	9.20 PPBV #	65
52) DIBROMOCHLOROMETHANE	13.320	129	145900	11.06 PPBV	98
53) 1,2-DIBROMOETHANE	13.569	107	97915	10.23 PPBV	100
54) CHLOROBENZENE	14.740	112	110645	10.17 PPBV #	72
55) ETHYLBENZENE	15.127	91	246758	10.62 PPBV	89
56) m,p-XYLENE	15.324	106	152962m	20.06 PPBV	
57) o-XYLENE	15.825	106	83684	10.47 PPBV #	61
58) STYRENE	15.704	104	99134	11.17 PPBV #	81
59) NONANE	16.034	43	266261	12.43 PPBV	79
60) BROMOFORM	15.422	173	105995	10.62 PPBV	97
62) 1,1,2,2-TETRACHLOROETHANE	15.818	83	157539	12.20 PPBV	97
63) ISOPROPYLBENZENE	16.476	105	274187	10.32 PPBV	85
64) 2-CHLOROTOLUENE	17.032	91	225353	10.77 PPBV	75
65) 4-ETHYLTOLUENE	17.221	105	243687	10.63 PPBV	91
66) 1,3,5-TRIMETHYLBENZENE	17.307	105	250270	11.23 PPBV	85
67) 1,2,4-TRIMETHYLBENZENE	17.768	105	223820	11.17 PPBV	86
68) m-DICHLOROBENZENE	18.025	146	79934	9.46 PPBV	88
69) BENZYL CHLORIDE	17.931	91	138875	13.25 PPBV	83
70) p-DICHLOROBENZENE	18.025	146	79663	9.93 PPBV	86
71) o-DICHLOROBENZENE	18.412	146	87442	12.64 PPBV #	84
72) HEXACHLOROBUTADIENE	20.787	225	21492	10.32 PPBV	93
73) 1,2,4-TRICHLOROBENZENE	20.302	180	6925	8.10 PPBV	82

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3590.D
Acq On : 1 Jun 2007 3:56 pm
Operator : PhilipB
Sample : CC193-10 (M021)
Misc : MS13676, MSQ195,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 01 16:29:13 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Jun 01 16:17:24 2007
Response via : Initial Calibration



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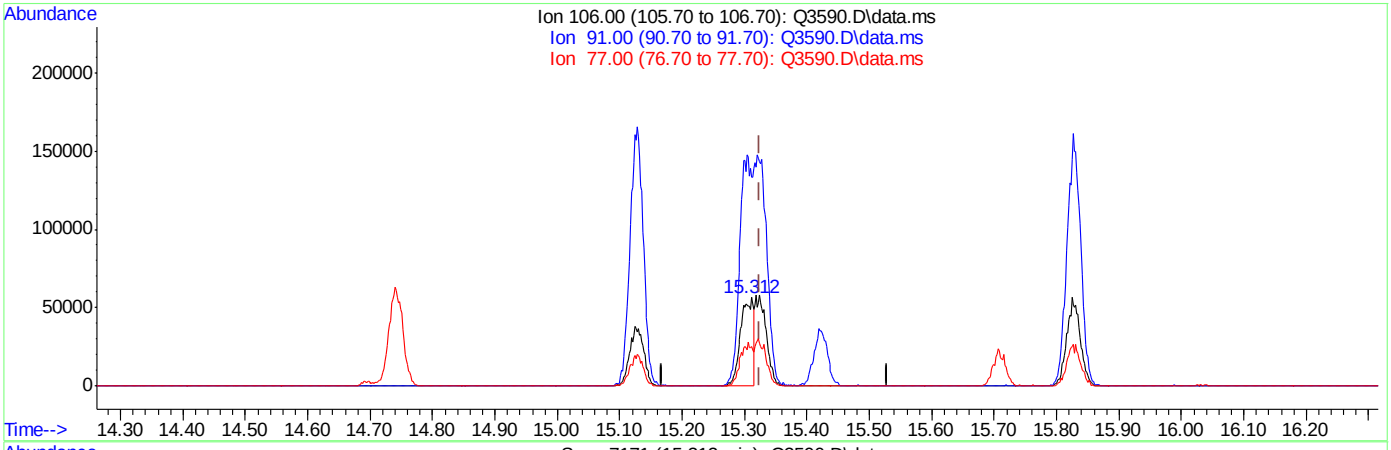
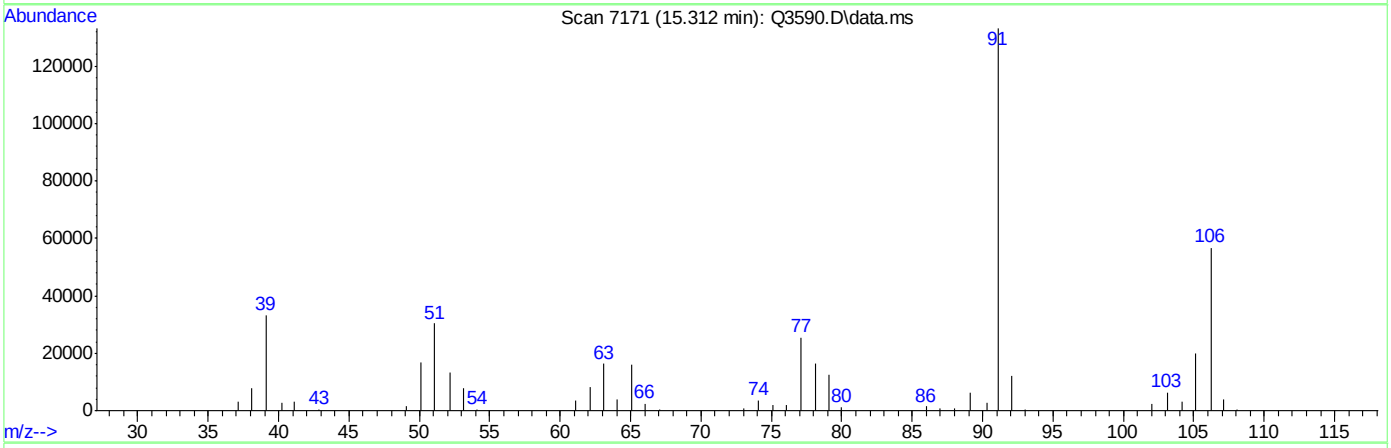
M65404

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3590.D
Acq On : 1 Jun 2007 3:56 pm
Operator : PhilipB
Sample : CC193-10 (M021)
Misc : MS13676, MSQ195,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 01 16:29:03 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Jun 01 16:17:24 2007
Response via : Initial Calibration





TIC: Q3590.D\data.ms

(56) m,p-XYLENE (m)

15.312min (-0.012) 10.72PPBV

response 81777

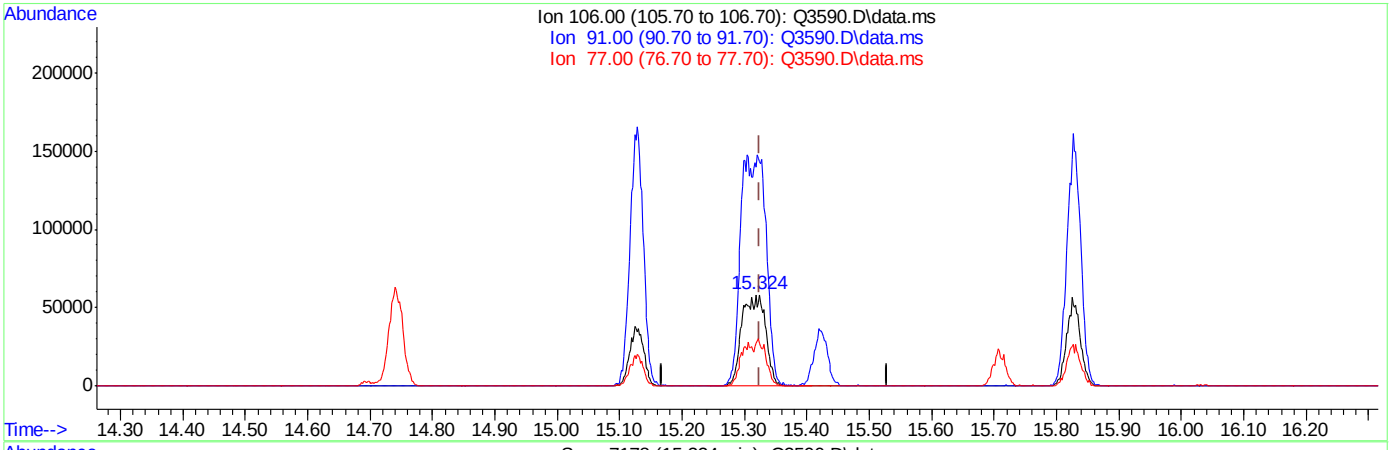
Ion	Exp%	Act%
106.00	100	100
91.00	204.20	235.06
77.00	30.60	44.89#
0.00	0.00	0.00

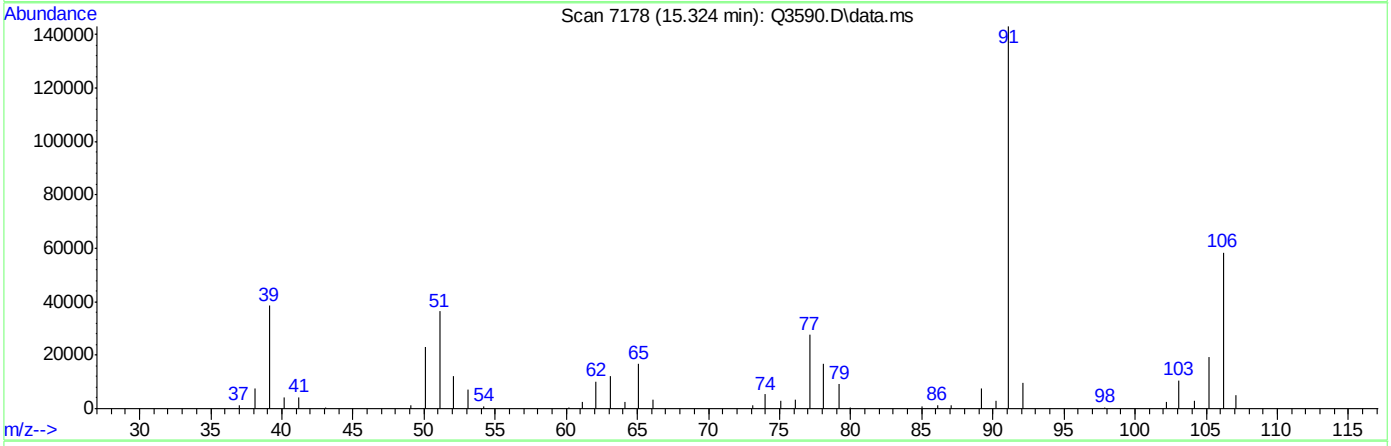
ACCUTEST Laboratories M65404

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3590.D
Acq On : 1 Jun 2007 3:56 pm
Operator : PhilipB
Sample : CC193-10 (M021)
Misc : MS13676, MSQ195,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 01 16:29:03 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Jun 01 16:17:24 2007
Response via : Initial Calibration





TIC: Q3590.D\data.ms

(56) m,p-XYLENE (m)

15.324min (+0.000) 20.06PPBV m

response 152962

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

Standard Lot #	
Calib STD 1	MSA349
Calib STD 2	MSA350
ICV	MSA353
Inter/Surr STD	MSA218
BS/BSD	MSA353

File ID	
Tune File 1	J10580
Tune File 2	J10587A
Initial Cal.	6/7/07
ID FILE	J060707T.M
Instrument ID	J
ICAL:	J10587
Column Type:	RTX-1
Sequence Verified By:	DT 6/8/07

Date:	6/7/2007
Analyst:	DANAT
Batch ID:	msj548
Matrix:	AIR
Approved By:	DOUGY
Date Approved:	6/18/2007 4:20:00 PM

Data File	Sample ID	Bot #	Work Group #	Test	ALS #	Sample Vol (mls)	Diln Factor	Flow controller ID	Comment
J10580	IC548-0.5	m122	MSA350	VTO15STD	1		1		
J10581	IC548-0.2	m122	MSA350	VTO15STD	1		1		
J10582	IC548-2	m122	MSA350	VTO15STD	1		1		
J10583	IC548-5	m109	MSA349	VTO15STD	2		1		
J10584	ICC548-10	m109	MSA349	VTO15STD	2		1		
J10585	IC548-20	m109	MSA349	VTO15STD	2		1		
J10586	IC548-40	m109	MSA349	VTO15STD	2		1		
J10587	ICV548-10	m179	MSA353	VTO15STD	3		1		
J10587a	CC548-100	m179	MSA353	VTO15STD	3		1		
J10587b	BS	m179	MSA353	VTO15STD	3		1		
J10588	BLANK	m151		VTO15STD	4		1		
J10589	MB	m151		VTO15STD	4		1		
J10590	M65248-1	m027	MS13707	VTO15STD	5		1		
J10591	M65248-1DUP	m027	MS13707	VTO15STD	5		1		
J10592	M65284-1	m044	MS13707	VTO15STD	6		1		
J10593	M65285-1	m061	MS13707	VTO15STD	7		1		
J10594	M65325-1	m100	MS13707	VTO15STD	8		1000		Re-run @ 20x , too dilute.
J10595	M65235-2	m064	MS13754	VTO15STD	9		1000		Re-run @ 10x , too dilute.
J10596	SCC	m018		VTO15STD	10		1		
J10597	SCC	m125		VTO15STD	11		1		
J10598	SCC	m139		VTO15STD	12		1		
J10599	SCC	m165		VTO15STD	13		1		
J10600	SCC	m148		VTO15STD	14		1		
J10601	M65235-3	M191	MS13715	VTO15STD	5		1000		Re-run @ 10,000x , over calibration.
J10602	M65235-4	M195	MS13715	VTO15STD	6		1000		Re-run @ 10,000x , over calibration.
J10603	M65235-5	m203	MS13715	VTO15STD	7		1000		Re-run @ 10x , too dilute.
J10604	M65235-6	m204	MS13715	VTO15STD	8		1000		Re-run @ 10x , too dilute.
J10605	M65235-7	m206	MS13715	VTO15STD	9		1000		Re-run @ 10x , too dilute.
J10606	M65235-1	m100	MS13699	VTO15STD	3		20		

Standard Lot #	
Calib STD 1	MSA355
Calib STD 2	NA
ICV	NA
Inter/Surr STD	MSA218
BS/BSD	MSA355

File ID	
Tune File 1	J10618
Tune File 2	NA
Initial Cal.	6/7/07
ID FILE	J060707T.M
Instrument ID	J
ICAL:	
Column Type:	RTX-1
Sequence Verified By:	DT 6/13/07

Date:	6/12/2007
Analyst:	DANAT
Batch ID:	msj550
Matrix:	AIR
Approved By:	PHILIPB
Date Approved:	6/15/2007 3:12:10 PM

Data File	Sample ID	Bot #	Work Group #	Test	ALS #	Sample Vol (mls)	Diln Factor	Flow controller ID	Comment
J10618	CC548-100	m057			1		1		
J10618a	BS	m057			1		1		
J10619	BLANK	m031			2		1		
J10620	MB	m031			2		1		
J10621	M65402-2	m073	MS13724	VTO15STD	6		20		Re-run @ 5x , too dilute.
J10622	M65402-2	m073	MS13724	VTO15STD	6		5		
J10623	M65402-2DUP	m073	MS13724	VTO15STD	6		5		
J10624	M65403-1	m051	MS13724	VTO15STD	7		1		
J10625	M65403-2	m046	MS13724	VTO15STD	8		1		
J10626	M65404-1	m115	MS13724	VTO15STD	9		1		
J10627	M65404-2	m136	MS13724	VTO15STD	10		1		
J10628	SCC	m048		VTO15STD	1		1		
J10629	SCC	m159		VTO15STD	2		1		

Standard Lot #	
Calib STD 1	MSA341
Calib STD 2	MSA342
ICV	MSA343
Inter/Surr STD	MSA218
BS/BSD	MSA343

File ID	
Tune File 1	Q3559.D
Tune File 2	NA
Initial Cal.	5-30-07
ID FILE	Q053007T.M
Instrument ID	Q
ICAL:	Q3570A.D
Column Type:	RTX-1
Sequence Verified By:	PB 5-31-07

Date:	5/30/2007
Analyst:	PHILIPB
Batch ID:	MSQ193
Matrix:	AIR
Approved By:	DOUGY
Date Approved:	5/31/2007 11:33:12 AM

Data File	Sample ID	Bot #	Work Group #	Test	ALS #	Sample Vol (mls)	Diln Factor	Flow controller ID	Comment
Q3559	IC193-5	M017	MSA341	VTO15STD	1		1	NA	O.K.; BFB
Q3560	IC193-2	M017	MSA341	VTO15STD	1		1	NA	O.K.
Q3561	IC193-.5	M007	MSA342	VTO15STD	2		1	NA	O.K.
Q3562	IC193-.2	M007	MSA342	VTO15STD	2		1	NA	O.K.
Q3563	IC193-40	M017	MSA341	VTO15STD	1		1	NA	O.K.
Q3564	IC193-20	M017	MSA341	VTO15STD	1		1	NA	O.K.
Q3565	IC193-10	M017	MSA341	VTO15STD	1		1	NA	O.K.
Q3566	ICV193-10	M021	MSA343	VTO15STD	3		1	NA	Tetrachloroethene high; re-run
Q3567	MB	M070	NA	VTO15STD	4		1	NA	O.K.
Q3568	FCB076	M201	NA	VTO15STD	5		1	MC050	O.K.
Q3569	FCB077	M184	NA	VTO15STD	6		1	MC114	O.K.

Standard Lot #	
Calib STD 1	MSA341
Calib STD 2	MSA342
ICV	MSA343
Inter/Surr STD	MSA218
BS/BSD	MSA343

File ID	
Tune File 1	Q3570.D
Tune File 2	NA
Initial Cal.	5-30-07
ID FILE	Q053007T.M
Instrument ID	Q
ICAL:	Q3570A.D
Column Type:	RTX-1
Sequence Verified By:	PB 6-1-07

Date:	5/31/2007
Analyst:	PHILIPB
Batch ID:	MSQ194
Matrix:	AIR
Approved By:	DOUGY
Date Approved:	6/1/2007 10:31:04 AM

Data File	Sample ID	Bot #	Work Group #	Test	ALS #	Sample Vol (mls)	Diln Factor	Flow controller ID	Comment
Q3570	CC193-10	M021	MSA343	VTO15STD	3		1	NA	O.K.; BFB
Q3570A	ICV193-10	M021	MSA343	VTO15STD	3		1	NA	O.K.
Q3570B	BS	M021	MSA343	VTO15STD	3		1	NA	O.K.
Q3571	MB	M070	MS13661	VTO15STD	4		1	NA	O.K.
Q3572	M64880-1	M026	MS13652	VTO15STD	5		1000	NA	Report with J10508.D
Q3573	M64880-3	M125	MS13652	VTO15STD	6		1000	NA	Re-run 5000X
Q3574	CP424	M175	MS13661	VTO15STD	5		1	NA	O.K.
Q3575	M64880-3	M052	MS13652	VTO15STD	6		5000	NA	Report with J10510.D
Q3576	M64946-5	M045	MS13661	VTO15STD	7		1	MC100	O.K.
Q3577	M64946-6	M031	MS13661	VTO15STD	8		1	MC101	O.K.
Q3578	M64946-6DUP	M031	MS13661	VTO15STD	8		1	MC101	O.K.
Q3579	M64973-1	M151	MS13661	VTO15STD	9		10	2382	Re-run straight
Q3580	M64973-2	M139	MS13661	VTO15STD	10		10	2379	Re-run straight
Q3581	M64973-2	M139	MS13661	VTO15STD	10		1	2379	O.K.
Q3582	M65018-1	M018	MS13661	VTO15STD	11		1	2261	Re-run 10X
Q3583	M65018-2	M126	MS13661	VTO15STD	12		1	2444	Re-run 10X
Q3584	M65018-3	M035	MS13661	VTO15STD	13		1	2451	Re-run 10X
Q3585	M65018-4	M099	MS13661	VTO15STD	14		1	2100	O.K.
Q3586	M65018-5	M165	MS13661	VTO15STD	15		1	1710	Re-run 10X
Q3587	M65018-6	M097	MS13661	VTO15STD	16		1	2957	ISTD #1 low; re-run
Q3588	M64973-2	M139	MS13661	VTO15STD	10		1	2379	Confirmation only

Standard Lot #	
Calib STD 1	MSA341
Calib STD 2	MSA342
ICV	MSA343
Inter/Surr STD	MSA218
BS/BSD	MSA343

File ID	
Tune File 1	Q3590.D
Tune File 2	NA
Initial Cal.	5-30-07
ID FILE	Q053007T.M
Instrument ID	Q
ICAL:	Q3570A.D
Column Type:	RTX-1
Sequence Verified By:	PB 6-4-07

Date:	6/1/2007
Analyst:	PHILIPB
Batch ID:	MSQ195
Matrix:	AIR
Approved By:	DOUGY
Date Approved:	6/4/2007 12:06:03 PM

Data File	Sample ID	Bot #	Work Group #	Test	ALS #	Sample Vol (mls)	Diln Factor	Flow controller ID	Comment
Q3589	CC193-10	M021	MSA6343	VTO15STD	3		1	NA	ISTD failed; re-run
Q3590	CC193-10	M021	MSA343	VTO15STD	3		1	NA	O.K., BFB
Q3590A	BS	M021	MSA343	VTO15STD	3		1	NA	O.K.
Q3591	MB	M120	MS13676	VTO15STD	4		1	NA	O.K.
Q3591A	CERT-01	M120	MS13676	VTO15STD	4		1	NA	O.K.
Q3592	M64973-1	M151	MS13676	VTO15STD	4		1	2382	O.K.
Q3593	M65018-6	M097	MS13676	VTO15STD	16		1	2957	O.K.
Q3594	M65018-6DUP	M097	MS13676	VTO15STD	16		1	2957	O.K.
Q3595	M65018-1	M018	MS13661	VTO15STD	11		10	2261	Report with Q3582.D
Q3596	M65018-2	M126	MS13661	VTO15STD	12		10	2444	Report with Q3583.D
Q3597	M65018-3	M035	MS13661	VTO15STD	13		10	2451	Re-run 20X
Q3598	M65018-5	M165	MS13661	VTO15STD	15		10	1710	Report with Q3586.D
Q3599	CERT-02	M077	MS13676	VTO15STD	1		1	NA	O.K.
Q3600	CERT-03	M046	MS13676	VTO15STD	2		1	NA	O.K.
Q3601	CERT-04	M136	MS13676	VTO15STD	3		1	NA	O.K.
Q3602	CERT-05	M120	MS13676	VTO15STD	4		1	NA	O.K.
Q3603	CERT-06	M115	MS13676	VTO15STD	5		1	NA	O.K.
Q3604	CERT-07	M060	MS13676	VTO15STD	6		1	NA	O.K.
Q3605	CERT-08	M044	MS13676	VTO15STD	7		1	NA	O.K.
Q3606	CERT-09	M079	MS13676	VTO15STD	8		1	NA	O.K.
Q3607	CERT-10	M074	MS13676	VTO15STD	9		1	NA	O.K.