New England ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

10/05/07

Technical Report for

GEI Consultants, Inc.

GEI Tufts Street Somerville MA

045162

Accutest Job Number: M67846

Sampling Date: 09/17/07

Report to:

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

ATTN: Raymond Siegener, Ph.D.

Total number of pages in report: **258**

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

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.
Test results relate only to samples analyzed.

Table of Contents

-1-

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Sample Results **5**
3.1: M67846-1: 045162-2CHAD-1 6
3.2: M67846-2: 045162-2CHAD-G 7
Section 4: Misc. Forms **8**
4.1: Chain of Custody 9
4.2: Summa Canister and Flow Controller Log 11
4.3: Sample Tracking Chronicle 12
Section 5: GC/MS Volatiles - QC Data Summaries **13**
5.1: Method Blank Summary 14
5.2: Blank Spike Summary 16
5.3: Duplicate Summary 18
5.4: Summa Cleaning Certification 19
5.5: Instrument Performance Checks (BFB) 21
5.6: Internal Standard Area Summaries 25
5.7: Initial Calibration RT/ISTD Area Summaries 27
5.8: Surrogate Recovery Summaries 55
5.9: Initial and Continuing Calibration Summaries 56
Section 6: GC/MS Volatiles - Raw Data **74**
6.1: Samples 75
6.2: Method Blanks 96
6.3: Blank Spikes 104
6.4: Duplicates 111
6.5: Summa Cleaning Certifications 131
6.6: Instrument Performance Checks (BFB) 135
6.7: Initial and Continuing Calibarations 159
6.8: Instrument Run Logs 255

Accutest Laboratories

Sample Summary

GEI Consultants, Inc.

Job No: M67846

GEI Tufts Street Somerville MA
Project No: 045162

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
M67846-1	09/17/07	13:32	TAD	09/19/07	AIR	Air	045162-2CHAD-1
M67846-2	09/17/07	13:33	TAD	09/19/07	AIR	Air	045162-2CHAD-G

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	GEI Consultants, Inc.	**Job No**	M67846
Site:	GEI Tufts Street Somerville MA	**Report Date**	10/3/2007 4:57:38 PM

2 Sample(s) were collected on 09/17/2007 and were received at Accutest on 09/19/2007 . These Samples received an Accutest job number of M67846. 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:**	MSQ246

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) M67846-2DUP were used as the QC samples indicated.

The Accutest Laboratories of New England certifies that all analysis were performed within method specification. It is further recommended that this report to be used in its entirety.The Accutest Laboratories of NE, Laboratory Director or assignee as verified by the signature on the cover page has authorized the release of this report(M67846).

Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Client Sample ID:	045162-2CHAD-1		
Lab Sample ID:	M67846-1	**Date Sampled:**	09/17/07
Matrix:	AIR - Air Summa ID: M024	**Date Received:**	09/19/07
Method:	TO-15	**Percent Solids:**	n/a
Project:	GEI Tufts Street Somerville MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Q4779.D	1	10/02/07	DFT	n/a	n/a	MSQ246
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	0.098	0.20	ppbv	J	0.62	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	ND	0.20	ppbv		ND	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	87%		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:	045162-2CHAD-G		
Lab Sample ID:	M67846-2	**Date Sampled:**	09/17/07
Matrix:	AIR - Air Summa ID: M001	**Date Received:**	09/19/07
Method:	TO-15	**Percent Solids:**	n/a
Project:	GEI Tufts Street Somerville MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Q4780.D	1	10/02/07	DFT	n/a	n/a	MSQ246
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	0.099	0.20	ppbv	J	0.62	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	ND	0.20	ppbv		ND	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	91%		57-139%

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

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

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

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

ACCUTEST Laboratories

CHAIN OF CUSTODY

Air Sampling Field Data Sheet

Lab Quote #:

Lab Job #: M67846

Client / Reporting Information

Company Name: GEI

Address: 400 Unicorn Park Dr

City: Woburn State: MA Zip: 01801

Project Contact: Mark Ensign E-mail: mensign@GEIconsultants.com

Phone #: 781-721-4000 Fax #: 781-721-4073

Sampler(s) Name(s): T. Doige

Project Name: 50 Tufts St

Street: 50 Tufts St

City: Somerville State: MA

Project #: 045162

Client Purchase Order #:

Weather Parameters

Temperature (Fahrenheit)

Start: 56.3 Maximum:

Stop: 62.8 Minimum:

Atmospheric Pressure (inches of Hg)

Start: 30.44 Maximum:

Stop: 30.48 Minimum:

Other weather comment:

Requested Analysis

Lab Sample #	Field ID / Point of Collection	Air Type: Indoor(I) Sub. Ver.(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.	Standard TO-15 Reporting List	MA DEP ARL
-1	045162-2CHAD-1	AmI	M024	6	MFC041	9-17-07	908	32	66.7	TAD	9-17-07	1332	4	71.0	TAD		
-2	045162-2CHAD-6	AmI	M001	6	MC082	9-17-07	910	31	64.0	TAD	9-17-07	1333	5	66.9	TAD		

Turnaround Time (Business days)

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

Approved By:

Date:

Electronic Data Deliverable Information

Comm A:
Comm B:
Full T1:
Other:

Loc: Ambient 1

Comments / Remarks

Note: barometer may have been acting differently near service.

See attached list

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

Relinquished by Laboratory:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1 GEI lab	9-17-07 800	1 Tom Doige	2 Tom Doige	9-17-07 1400	2 GEI lab
Relinquished by: 3 GEI LAB	Date Time: 9/19/07 1:15	Received By: 3 William Ackell	Relinquished By: 4 William Ackell	Date Time: 9/19/07 1000	Received By: 4 William Ackell
Relinquished by: 5	Date Time:	Received By: 5	Custody Seal #		

SM013-01 (2/14/06)

4.1

4

M67846: Chain of Custody

Page 1 of 2

Substab

~~Indoor~~ Air Sampling Analyte List

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

Summa Canister and Flow Controller Log

Job Number: M67846
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA
Received: 09/19/07

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
M024	6	29.4	07/12/07	DFT	CP440	J10843A.D	M67846-1	09/21/07	DFT	1			1
M001	6	29.4	07/12/07	DFT	CP440	J10843A.D	M67846-2	09/21/07	DFT	3			1

FLOW CONTROLLERS

Shipping					Receiving		
Flow Crtl ID	Date Out	By	cc/ min	Time hrs.	Date In	By	cc/ min
MC041	08/21/07	DFT	20	4	09/21/07	DFT	20.7
MC082	08/21/07	DFT	20	4	09/21/07	DFT	21.2

Accutest Bottle Order(s):
DT/GEI/8-21-07/TUFTS ST
GEI/7-12-07/TUFTS ST

Prep Date	Room Temp(F)	Bar Pres "Hg
07/12/07	70	29.92

Internal Sample Tracking Chronicle

GEI Consultants, Inc.

Job No: M67846

GEI Tufts Street Somerville MA
Project No: 045162

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
M67846-1 Collected: 17-SEP-07 13:32 By: TAD Received: 19-SEP-07 By: NT 045162-2CHAD-1						
M67846-1	TO-15	02-OCT-07 20:28	DFT			VTO15STD
M67846-2 Collected: 17-SEP-07 13:33 By: TAD Received: 19-SEP-07 By: NT 045162-2CHAD-G						
M67846-2	TO-15	02-OCT-07 21:10	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: M67846
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSQ246-MB	Q4778.D	1	10/02/07	DFT	n/a	n/a	MSQ246

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

M67846-1, M67846-2

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	81%	57-139%

Method Blank Summary

Job Number: M67846
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSJ561-MB	J10843.D	1	07/03/07	DFT	n/a	n/a	MSJ561

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

MSJ561-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	94%	57-139%

Blank Spike Summary

Job Number: M67846
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSQ246-BS	Q4776B.D	1	10/02/07	DFT	n/a	n/a	MSQ246

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

M67846-1, M67846-2

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	Limits
75-00-3	Chloroethane	10	7.9	79	70-130
56-23-5	Carbon tetrachloride	10	9.3	93	70-130
75-34-3	1,1-Dichloroethane	10	9.9	99	70-130
75-35-4	1,1-Dichloroethylene	10	7.8	78	70-130
107-06-2	1,2-Dichloroethane	10	9.2	92	70-130
156-60-5	trans-1,2-Dichloroethylene	10	9.8	98	70-130
156-59-2	cis-1,2-Dichloroethylene	10	10.8	108	70-130
71-55-6	1,1,1-Trichloroethane	10	9.4	94	70-130
79-34-5	1,1,2,2-Tetrachloroethane	10	10.4	104	70-130
79-00-5	1,1,2-Trichloroethane	10	9.2	92	70-130
127-18-4	Tetrachloroethylene	10	10.7	107	70-130
79-01-6	Trichloroethylene	10	10.8	108	70-130
75-01-4	Vinyl chloride	10	7.3	73	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	102%	57-139%

Blank Spike Summary

Job Number: M67846
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSJ561-BS	J10841A.D	1	07/03/07	DFT	n/a	n/a	MSJ561

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

MSJ561-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	Limits
75-00-3	Chloroethane	10	12.8	128	70-130
56-23-5	Carbon tetrachloride	10	11.7	117	70-130
75-34-3	1,1-Dichloroethane	10	12.2	122	70-130
75-35-4	1,1-Dichloroethylene	10	12.7	127	70-130
107-06-2	1,2-Dichloroethane	10	12.3	123	70-130
156-60-5	trans-1,2-Dichloroethylene	10	12.7	127	70-130
156-59-2	cis-1,2-Dichloroethylene	10	13.2	132* [a]	70-130
71-55-6	1,1,1-Trichloroethane	10	12.1	121	70-130
79-34-5	1,1,2,2-Tetrachloroethane	10	17.9	179* [a]	70-130
79-00-5	1,1,2-Trichloroethane	10	15.7	157* [a]	70-130
127-18-4	Tetrachloroethylene	10	15.5	155* [a]	70-130
79-01-6	Trichloroethylene	10	15.0	150* [a]	70-130
75-01-4	Vinyl chloride	10	12.3	123	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	109%	57-139%

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

Duplicate Summary

Job Number: M67846
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
M67846-2DUP	Q4781.D	1	10/02/07	DFT	n/a	n/a	MSQ246
M67846-2	Q4780.D	1	10/02/07	DFT	n/a	n/a	MSQ246

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

M67846-1, M67846-2

CAS No.	Compound	M67846-2 ppbv	Q	DUP ppbv	Q	RPD	Limits
75-00-3	Chloroethane	ND		ND		nc	25
56-23-5	Carbon tetrachloride	0.099	J	0.093	J	6	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	ND		ND		nc	25
79-01-6	Trichloroethylene	ND		ND		nc	25
75-01-4	Vinyl chloride	ND		ND		nc	25

CAS No.	Surrogate Recoveries	DUP	M67846-2	Limits
460-00-4	4-Bromofluorobenzene	85%	91%	57-139%

Summa Cleaning Certification

Job Number: M67846
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSJ561-SCC	J10848.D	1	07/03/07	DFT	n/a	n/a	MSJ561

The QC reported here (Summa M001) applies to the following samples: **Method:** TO-15

Batch CP440 cleaned 06/28/07: M67846-2(M001)

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	89%	57-139%

Summa Cleaning Certification

Job Number: M67846
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSJ561-SCC	J10852.D	1	07/03/07	DFT	n/a	n/a	MSJ561

The QC reported here (Summa M024) applies to the following samples: **Method:** TO-15

Batch CP440 cleaned 06/28/07: M67846-1(M024)

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: M67846
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

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

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

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

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

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

Instrument Performance Check (BFB)

Job Number: M67846
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSJ561-BFB
Lab File ID: J10841.D
Instrument ID: GCMSJ
Injection Date: 07/03/07
Injection Time: 11:46

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	11307	19.4		Pass
75	30.0 - 66.0% of mass 95	28969	49.8		Pass
95	Base peak, 100% relative abundance	58224	100.0		Pass
96	5.0 - 9.0% of mass 95	3957	6.8		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 120.0% of mass 95	57003	97.9		Pass
175	4.0 - 9.0% of mass 174	3920	6.7	(6.9) [a]	Pass
176	93.0 - 101.0% of mass 174	53480	91.9	(93.8) [a]	Pass
177	5.0 - 9.0% of mass 176	3704	6.4	(6.9) [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
MSJ561-CC557	J10841.D	07/03/07	11:46	00:00	Continuing cal 10
MSJ561-BS	J10841A.D	07/03/07	11:46	00:00	Blank Spike
MSJ561-SCC	J10843A.D	07/03/07	13:21	01:35	Summa Cleaning Certification
MSJ561-MB	J10843.D	07/03/07	13:21	01:35	Method Blank
MSJ561-SCC	J10844.D	07/03/07	14:08	02:22	Summa Cleaning Certification
MSJ561-SCC	J10845.D	07/03/07	14:55	03:09	Summa Cleaning Certification
M65942-2	J10846.D	07/03/07	15:42	03:56	(used for QC only; not part of job M67846)
M65942-2DUP	J10847.D	07/03/07	16:29	04:43	Duplicate
MSJ561-SCC	J10848.D	07/03/07	17:16	05:30	Summa Cleaning Certification
MSJ561-SCC	J10849.D	07/03/07	18:05	06:19	Summa Cleaning Certification
MSJ561-SCC	J10850.D	07/03/07	18:55	07:09	Summa Cleaning Certification
MSJ561-SCC	J10851.D	07/03/07	19:44	07:58	Summa Cleaning Certification
MSJ561-SCC	J10852.D	07/03/07	20:34	08:48	Summa Cleaning Certification
MSJ561-SCC	J10853.D	07/03/07	21:21	09:35	Summa Cleaning Certification
MSJ561-SCC	J10854.D	07/03/07	22:08	10:22	Summa Cleaning Certification
MSJ561-SCC	J10855.D	07/03/07	22:56	11:10	Summa Cleaning Certification
MSJ561-SCC	J10856.D	07/03/07	23:43	11:57	Summa Cleaning Certification
MSJ561-SCC	J10857.D	07/04/07	00:31	12:45	Summa Cleaning Certification
MSJ561-SCC	J10858.D	07/04/07	01:19	13:33	Summa Cleaning Certification

Instrument Performance Check (BFB)

Job Number: M67846
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ246-BFB
Lab File ID: Q4765.D
Instrument ID: GCMSQ
Injection Date: 10/02/07
Injection Time: 08:59

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	42392	22.9		Pass
75	30.0 - 66.0% of mass 95	101469	54.7		Pass
95	Base peak, 100% relative abundance	185472	100.0		Pass
96	5.0 - 9.0% of mass 95	11563	6.2		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 120.0% of mass 95	160725	86.7		Pass
175	4.0 - 9.0% of mass 174	12257	6.6	(7.6) [a]	Pass
176	93.0 - 101.0% of mass 174	153642	82.8	(95.6) [a]	Pass
177	5.0 - 9.0% of mass 176	10287	5.5	(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
MSQ246-IC246	Q4765.D	10/02/07	08:59	00:00	Initial cal 0.5
MSQ246-IC246	Q4766.D	10/02/07	09:44	00:45	Initial cal 0.2
MSQ246-IC246	Q4767.D	10/02/07	10:27	01:28	Initial cal 40
MSQ246-ICC246	Q4771.D	10/02/07	13:16	04:17	Initial cal 10
MSQ246-IC246	Q4772.D	10/02/07	13:59	05:00	Initial cal 5
MSQ246-IC246	Q4773.D	10/02/07	14:42	05:43	Initial cal 2
MSQ246-IC246	Q4774.D	10/02/07	15:26	06:27	Initial cal 20
MSQ246-ICV246	Q4776.D	10/02/07	18:15	09:16	Initial cal verification 10

Instrument Performance Check (BFB)

Job Number: M67846
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ246-BFB
Lab File ID: Q4776A.D
Instrument ID: GCMSQ
Injection Date: 10/02/07
Injection Time: 18:15

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	47162	22.4		Pass
75	30.0 - 66.0% of mass 95	113176	53.7		Pass
95	Base peak, 100% relative abundance	210688	100.0		Pass
96	5.0 - 9.0% of mass 95	14207	6.7		Pass
173	Less than 2.0% of mass 174	558	0.26	(0.32) [a]	Pass
174	50.0 - 120.0% of mass 95	174570	82.9		Pass
175	4.0 - 9.0% of mass 174	8868	4.2	(5.1) [a]	Pass
176	93.0 - 101.0% of mass 174	168149	79.8	(96.3) [a]	Pass
177	5.0 - 9.0% of mass 176	11216	5.3	(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
MSQ246-CC246	Q4776A.D	10/02/07	18:15	00:00	Continuing cal 10
MSQ246-BS	Q4776B.D	10/02/07	18:15	00:00	Blank Spike
MSQ246-MB	Q4778.D	10/02/07	19:45	01:30	Method Blank
M67846-1	Q4779.D	10/02/07	20:28	02:13	045162-2CHAD-1
M67846-2	Q4780.D	10/02/07	21:10	02:55	045162-2CHAD-G
M67846-2DUP	Q4781.D	10/02/07	21:53	03:38	Duplicate
ZZZZZZ	Q4782.D	10/02/07	22:36	04:21	(unrelated sample)
ZZZZZZ	Q4783.D	10/02/07	23:19	05:04	(unrelated sample)
ZZZZZZ	Q4784.D	10/03/07	00:02	05:47	(unrelated sample)
ZZZZZZ	Q4785.D	10/03/07	00:45	06:30	(unrelated sample)

Volatile Internal Standard Area Summary

Job Number: M67846
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Check Std:	MSJ561-CC557	**Injection Date:**	07/03/07
Lab File ID:	J10841.D	**Injection Time:**	11:46
Instrument ID:	GCMSJ	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	325534	8.63	1248606	10.45	1130914	14.68
Upper Limit [a]	455748	8.96	1748048	10.78	1583280	15.01
Lower Limit [b]	195320	8.30	749164	10.12	678548	14.35

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
MSJ561-BS	325534	8.63	1248606	10.45	1130914	14.68
MSJ561-SCC	394136	8.62	1630782	10.43	1442926	14.66
MSJ561-MB	394136	8.62	1630782	10.43	1442926	14.66
MSJ561-SCC	394947	8.62	1611885	10.43	1409261	14.66
MSJ561-SCC	332474	8.62	1200120	10.43	1032782	14.66
M65942-2	346736	8.63	1266523	10.44	1046336	14.67
M65942-2DUP	342999	8.62	1216267	10.43	1033111	14.66
MSJ561-SCC	329502	8.62	1151413	10.43	1008939	14.66
MSJ561-SCC	401948	8.62	1583626	10.43	1373167	14.66
MSJ561-SCC	310070	8.64	1077981	10.45	923750	14.67
MSJ561-SCC	341635	8.62	1239573	10.43	1041895	14.67
MSJ561-SCC	394533	8.63	1657973	10.44	1425246	14.67
MSJ561-SCC	321258	8.62	1107057	10.43	928026	14.67
MSJ561-SCC	323229	8.63	1193087	10.44	1020849	14.67
MSJ561-SCC	399744	8.62	1564014	10.44	1374997	14.67
MSJ561-SCC	339305	8.63	1281560	10.44	1081328	14.67
MSJ561-SCC	386394	8.63	1545919	10.44	1347957	14.67
MSJ561-SCC	386826	8.63	1527156	10.44	1345746	14.67

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

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

Volatile Internal Standard Area Summary

Job Number: M67846
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Check Std:	MSQ246-CC246	**Injection Date:**	10/02/07
Lab File ID:	Q4776A.D	**Injection Time:**	18:15
Instrument ID:	GCMSQ	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	281951	8.62	1252884	10.45	1024151	14.69
Upper Limit [a]	394731	8.95	1754038	10.78	1433811	15.02
Lower Limit [b]	169171	8.29	751730	10.12	614491	14.36

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
MSQ246-BS	281951	8.62	1252884	10.45	1024151	14.69
MSQ246-MB	275611	8.62	1295578	10.45	1037158	14.69
M67846-1	253802	8.62	1057564	10.45	854403	14.69
M67846-2	280857	8.62	1294737	10.45	1103898	14.69
M67846-2DUP	292273	8.62	1309023	10.45	1038717	14.69
ZZZZZZ	299332	8.62	1320010	10.45	1101610	14.69
ZZZZZZ	312136	8.62	1408786	10.45	1197244	14.69
ZZZZZZ	336502	8.62	1554000	10.45	1343427	14.69
ZZZZZZ	332432	8.62	1478317	10.45	1204082	14.69

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: M67846
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

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

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

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67846
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

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

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

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

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67846
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

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

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

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67846
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

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

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

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67846
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

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

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

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67846
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

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

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

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

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67846
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

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

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

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67846
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

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

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

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

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67846
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

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

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

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67846
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

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

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

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

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67846
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

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

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

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67846
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

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

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

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

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67846
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

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

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

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67846
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

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

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

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

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67846
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ246-IC246	Q4765.D	10/02/07 08:59	DFT	0.5	GCMSQ	TO-15	Reporting this level
MSQ246-IC246	Q4766.D	10/02/07 09:44	DFT	0.2	GCMSQ	TO-15	
MSQ246-IC246	Q4767.D	10/02/07 10:27	DFT	40	GCMSQ	TO-15	
MSQ246-ICC246	Q4771.D	10/02/07 13:16	DFT	10	GCMSQ	TO-15	
MSQ246-IC246	Q4772.D	10/02/07 13:59	DFT	5	GCMSQ	TO-15	
MSQ246-IC246	Q4773.D	10/02/07 14:42	DFT	2	GCMSQ	TO-15	
MSQ246-IC246	Q4774.D	10/02/07 15:26	DFT	20	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.60	8.62	0.650	ok	0.648	0.588-0.708
1,3-Butadiene	4.55	8.62	0.528	ok	0.528	0.468-0.588
Benzene	10.14	10.45	0.970	ok	0.970	0.910-1.030
Bromodichloromethane	11.09	10.45	1.061	ok	1.062	1.002-1.122
Bromoform	15.41	14.69	1.049	ok	1.049	0.989-1.109
Bromomethane	4.83	8.62	0.560	ok	0.560	0.500-0.620
Bromoethene	5.36	8.62	0.622	ok	0.622	0.562-0.682
Benzyl Chloride	17.91	14.69	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	14.74	14.69	1.003	ok	1.003	0.943-1.063
Chloroethane	5.01	8.62	0.581	ok	0.580	0.520-0.640
Chloroform	8.74	8.62	1.014	ok	1.014	0.954-1.074
Chloromethane	4.20	8.62	0.487	ok	0.486	0.426-0.546
3-Chloropropene	6.65	8.62	0.771	ok	0.771	0.711-0.831
2-Chlorotoluene	17.01	14.69	1.158	ok	1.158	1.098-1.218
Carbon tetrachloride	10.28	8.62	1.193	ok	1.193	1.133-1.253
Cyclohexane	10.40	10.45	0.995	ok	0.995	0.935-1.055
1,1-Dichloroethane	7.66	8.62	0.889	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.41	8.62	0.744	ok	0.744	0.684-0.804
1,2-Dibromoethane	13.58	14.69	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	10.91	10.45	1.044	ok	1.044	0.984-1.104
1,4-Dioxane	11.14	10.45	1.066	ok	1.065	1.005-1.125
Dichlorodifluoromethane	4.03	8.62	0.468	ok	0.468	0.408-0.528
Dibromochloromethane	13.34	14.69	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	11.95	10.45	1.144	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.93	14.69	1.221	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.39	14.69	1.252	ok	1.252	1.192-1.312
p-Dichlorobenzene	18.00	14.69	1.225	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.45	10.45	1.191	ok	1.191	1.131-1.251
Ethanol	5.11	8.62	0.593	ok	0.591	0.531-0.651
Ethylbenzene	15.11	14.69	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.66	8.62	1.005	ok	1.004	0.944-1.064
4-Ethyltoluene	17.20	14.69	1.171	ok	1.171	1.111-1.231
Freon 113	6.79	8.62	0.788	ok	0.788	0.728-0.848
Freon 114	4.29	8.62	0.498	ok	0.498	0.438-0.558
Heptane	11.39	10.45	1.090	ok	1.090	1.030-1.150
Hexachlorobutadiene	20.78	14.69	1.415	ok	1.415	1.355-1.475
Hexane	8.66	8.62	1.005	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67846
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ246-IC246	Q4765.D	10/02/07 08:59	DFT	0.5	GCMSQ	TO-15	Reporting this level
MSQ246-IC246	Q4766.D	10/02/07 09:44	DFT	0.2	GCMSQ	TO-15	
MSQ246-IC246	Q4767.D	10/02/07 10:27	DFT	40	GCMSQ	TO-15	
MSQ246-ICC246	Q4771.D	10/02/07 13:16	DFT	10	GCMSQ	TO-15	
MSQ246-IC246	Q4772.D	10/02/07 13:59	DFT	5	GCMSQ	TO-15	
MSQ246-IC246	Q4773.D	10/02/07 14:42	DFT	2	GCMSQ	TO-15	
MSQ246-IC246	Q4774.D	10/02/07 15:26	DFT	20	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.14	14.69	0.894	ok	0.894	0.834-0.954
Isopropylbenzene	16.45	14.69	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.84	8.62	0.677	ok	0.676	0.616-0.736
Methylene chloride	6.53	8.62	0.758	ok	0.758	0.698-0.818
Methyl ethyl ketone	8.04	8.62	0.933	ok	0.931	0.871-0.991
Methyl Isobutyl Ketone	11.98	10.45	1.146	ok	1.146	1.086-1.206
Methyl Tert Butyl Ether	7.71	8.62	0.894	ok	0.893	0.833-0.953
Nonane	16.01	14.69	1.090	ok	1.090	1.030-1.150
Pentane	6.14	8.62	0.712	ok	0.711	0.651-0.771
Propylene	3.96	8.62	0.459	ok	0.459	0.399-0.519
Styrene	15.69	14.69	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.70	8.62	1.125	ok	1.125	1.065-1.185
1,1,2,2-Tetrachloroethane	15.80	14.69	1.076	ok	1.076	1.016-1.136
1,1,2-Trichloroethane	12.64	10.45	1.210	ok	1.209	1.149-1.269
1,2,4-Trichlorobenzene	20.29	14.69	1.381	ok	1.382	1.322-1.442
1,2,4-Trimethylbenzene	17.74	14.69	1.208	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.28	14.69	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.16	10.45	1.068	ok	1.068	1.008-1.128
Tertiary Butyl Alcohol	6.43	8.62	0.746	ok	0.745	0.685-0.805
Tetrachloroethylene	14.05	14.69	0.956	ok	0.956	0.896-1.016
Tetrahydrofuran	9.15	8.62	1.061	ok	1.060	1.000-1.120
Toluene	12.92	10.45	1.236	ok	1.236	1.176-1.296
Trichloroethylene	11.14	10.45	1.066	ok	1.066	1.006-1.126
Trichlorofluoromethane	5.78	8.62	0.671	ok	0.671	0.611-0.731
Vinyl chloride	4.42	8.62	0.513	ok	0.512	0.452-0.572
Vinyl Acetate	7.78	8.62	0.903	ok	0.902	0.842-0.962
m,p-Xylene	15.30	14.69	1.042	ok	1.042	0.982-1.102
o-Xylene	15.81	14.69	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	213388	ok	250913	150548-351278
1,4-Difluorobenzene	10.45	ok	10.45	10.12-10.78	1013189	ok	1197389	718433-1676345
Chlorobenzene-D5	14.69	ok	14.69	14.36-15.02	853864	ok	1002792	601675-1403909

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67846
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ246-IC246	Q4765.D	10/02/07 08:59	DFT	0.5	GCMSQ	TO-15	
MSQ246-IC246	Q4766.D	10/02/07 09:44	DFT	0.2	GCMSQ	TO-15	Reporting this level
MSQ246-IC246	Q4767.D	10/02/07 10:27	DFT	40	GCMSQ	TO-15	
MSQ246-ICC246	Q4771.D	10/02/07 13:16	DFT	10	GCMSQ	TO-15	
MSQ246-IC246	Q4772.D	10/02/07 13:59	DFT	5	GCMSQ	TO-15	
MSQ246-IC246	Q4773.D	10/02/07 14:42	DFT	2	GCMSQ	TO-15	
MSQ246-IC246	Q4774.D	10/02/07 15:26	DFT	20	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.61	8.62	0.651	ok	0.648	0.588-0.708
1,3-Butadiene	4.56	8.62	0.529	ok	0.528	0.468-0.588
Benzene	10.14	10.45	0.970	ok	0.970	0.910-1.030
Bromodichloromethane	11.10	10.45	1.062	ok	1.062	1.002-1.122
Bromoform	15.41	14.69	1.049	ok	1.049	0.989-1.109
Bromomethane	4.82	8.62	0.559	ok	0.560	0.500-0.620
Bromoethene	5.36	8.62	0.622	ok	0.622	0.562-0.682
Benzyl Chloride	17.92	14.69	1.220	ok	1.219	1.159-1.279
Carbon disulfide	6.85	8.62	0.795	ok	0.794	0.734-0.854
Chlorobenzene	14.73	14.69	1.003	ok	1.003	0.943-1.063
Chloroethane	5.00	8.62	0.580	ok	0.580	0.520-0.640
Chloroform	8.74	8.62	1.014	ok	1.014	0.954-1.074
Chloromethane	4.20	8.62	0.487	ok	0.486	0.426-0.546
3-Chloropropene	6.65	8.62	0.771	ok	0.771	0.711-0.831
2-Chlorotoluene	17.00	14.69	1.157	ok	1.158	1.098-1.218
Carbon tetrachloride	10.28	8.62	1.193	ok	1.193	1.133-1.253
Cyclohexane	10.41	10.45	0.996	ok	0.995	0.935-1.055
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	0.744	0.684-0.804
1,2-Dibromoethane	13.58	14.69	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	10.91	10.45	1.044	ok	1.044	0.984-1.104
1,4-Dioxane	11.15	10.45	1.067	ok	1.065	1.005-1.125
Dichlorodifluoromethane	4.03	8.62	0.468	ok	0.468	0.408-0.528
Dibromochloromethane	13.34	14.69	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	8.45	8.62	0.980	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.95	10.45	1.144	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.93	14.69	1.221	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.39	14.69	1.252	ok	1.252	1.192-1.312
p-Dichlorobenzene	18.00	14.69	1.225	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.45	10.45	1.191	ok	1.191	1.131-1.251
Ethanol	5.10	8.62	0.592	ok	0.591	0.531-0.651
Ethylbenzene	15.12	14.69	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.67	8.62	1.006	ok	1.004	0.944-1.064
4-Ethyltoluene	17.20	14.69	1.171	ok	1.171	1.111-1.231
Freon 113	6.80	8.62	0.789	ok	0.788	0.728-0.848
Freon 114	4.28	8.62	0.497	ok	0.498	0.438-0.558
Heptane	11.39	10.45	1.090	ok	1.090	1.030-1.150
Hexachlorobutadiene	20.79	14.69	1.415	ok	1.415	1.355-1.475
Hexane	8.66	8.62	1.005	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67846
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ246-IC246	Q4765.D	10/02/07 08:59	DFT	0.5	GCMSQ	TO-15	
MSQ246-IC246	Q4766.D	10/02/07 09:44	DFT	0.2	GCMSQ	TO-15	Reporting this level
MSQ246-IC246	Q4767.D	10/02/07 10:27	DFT	40	GCMSQ	TO-15	
MSQ246-ICC246	Q4771.D	10/02/07 13:16	DFT	10	GCMSQ	TO-15	
MSQ246-IC246	Q4772.D	10/02/07 13:59	DFT	5	GCMSQ	TO-15	
MSQ246-IC246	Q4773.D	10/02/07 14:42	DFT	2	GCMSQ	TO-15	
MSQ246-IC246	Q4774.D	10/02/07 15:26	DFT	20	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.15	14.69	0.895	ok	0.894	0.834-0.954
Isopropylbenzene	16.46	14.69	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.84	8.62	0.677	ok	0.676	0.616-0.736
Methylene chloride	6.53	8.62	0.758	ok	0.758	0.698-0.818
Methyl ethyl ketone	8.04	8.62	0.933	ok	0.931	0.871-0.991
Methyl Isobutyl Ketone	11.98	10.45	1.146	ok	1.146	1.086-1.206
Methyl Tert Butyl Ether	7.71	8.62	0.894	ok	0.893	0.833-0.953
Nonane	16.01	14.69	1.090	ok	1.090	1.030-1.150
Pentane	6.13	8.62	0.711	ok	0.711	0.651-0.771
Propylene	3.96	8.62	0.459	ok	0.459	0.399-0.519
Styrene	15.69	14.69	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.70	8.62	1.125	ok	1.125	1.065-1.185
1,1,2,2-Tetrachloroethane	15.81	14.69	1.076	ok	1.076	1.016-1.136
1,1,2-Trichloroethane	12.63	10.45	1.209	ok	1.209	1.149-1.269
1,2,4-Trimethylbenzene	17.75	14.69	1.208	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.28	14.69	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.16	10.45	1.068	ok	1.068	1.008-1.128
Tertiary Butyl Alcohol	6.45	8.62	0.748	ok	0.745	0.685-0.805
Tetrachloroethylene	14.05	14.69	0.956	ok	0.956	0.896-1.016
Tetrahydrofuran	9.16	8.62	1.063	ok	1.060	1.000-1.120
Toluene	12.91	10.45	1.235	ok	1.236	1.176-1.296
Trichloroethylene	11.14	10.45	1.066	ok	1.066	1.006-1.126
Trichlorofluoromethane	5.78	8.62	0.671	ok	0.671	0.611-0.731
Vinyl chloride	4.42	8.62	0.513	ok	0.512	0.452-0.572
Vinyl Acetate	7.79	8.62	0.904	ok	0.902	0.842-0.962
m,p-Xylene	15.30	14.69	1.042	ok	1.042	0.982-1.102
o-Xylene	15.81	14.69	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	231609	ok	250913	150548-351278
1,4-Difluorobenzene	10.45	ok	10.45	10.12-10.78	1099899	ok	1197389	718433-1676345
Chlorobenzene-D5	14.69	ok	14.69	14.36-15.02	889298	ok	1002792	601675-1403909

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67846
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ246-IC246	Q4765.D	10/02/07 08:59	DFT	0.5	GCMSQ	TO-15	
MSQ246-IC246	Q4766.D	10/02/07 09:44	DFT	0.2	GCMSQ	TO-15	
MSQ246-IC246	Q4767.D	10/02/07 10:27	DFT	40	GCMSQ	TO-15	Reporting this level
MSQ246-ICC246	Q4771.D	10/02/07 13:16	DFT	10	GCMSQ	TO-15	
MSQ246-IC246	Q4772.D	10/02/07 13:59	DFT	5	GCMSQ	TO-15	
MSQ246-IC246	Q4773.D	10/02/07 14:42	DFT	2	GCMSQ	TO-15	
MSQ246-IC246	Q4774.D	10/02/07 15:26	DFT	20	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.58	8.62	0.647	ok	0.648	0.588-0.708
1,3-Butadiene	4.55	8.62	0.528	ok	0.528	0.468-0.588
Benzene	10.14	10.45	0.970	ok	0.970	0.910-1.030
Bromodichloromethane	11.10	10.45	1.062	ok	1.062	1.002-1.122
Bromoform	15.42	14.70	1.049	ok	1.049	0.989-1.109
Bromomethane	4.83	8.62	0.560	ok	0.560	0.500-0.620
Bromoethene	5.36	8.62	0.622	ok	0.622	0.562-0.682
Benzyl Chloride	17.91	14.70	1.218	ok	1.219	1.159-1.279
Carbon disulfide	6.85	8.62	0.795	ok	0.794	0.734-0.854
Chlorobenzene	14.75	14.70	1.003	ok	1.003	0.943-1.063
Chloroethane	5.00	8.62	0.580	ok	0.580	0.520-0.640
Chloroform	8.75	8.62	1.015	ok	1.014	0.954-1.074
Chloromethane	4.19	8.62	0.486	ok	0.486	0.426-0.546
3-Chloropropene	6.65	8.62	0.771	ok	0.771	0.711-0.831
2-Chlorotoluene	17.01	14.70	1.157	ok	1.158	1.098-1.218
Carbon tetrachloride	10.28	8.62	1.193	ok	1.193	1.133-1.253
Cyclohexane	10.40	10.45	0.995	ok	0.995	0.935-1.055
1,1-Dichloroethane	7.66	8.62	0.889	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.41	8.62	0.744	ok	0.744	0.684-0.804
1,2-Dibromoethane	13.59	14.70	0.924	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	10.92	10.45	1.045	ok	1.044	0.984-1.104
1,4-Dioxane	11.13	10.45	1.065	ok	1.065	1.005-1.125
Dichlorodifluoromethane	4.03	8.62	0.468	ok	0.468	0.408-0.528
Dibromochloromethane	13.35	14.70	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	11.96	10.45	1.144	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.93	14.70	1.220	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.39	14.70	1.251	ok	1.252	1.192-1.312
p-Dichlorobenzene	18.01	14.70	1.225	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.45	10.45	1.191	ok	1.191	1.131-1.251
Ethanol	5.09	8.62	0.590	ok	0.591	0.531-0.651
Ethylbenzene	15.12	14.70	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.66	8.62	1.005	ok	1.004	0.944-1.064
4-Ethyltoluene	17.20	14.70	1.170	ok	1.171	1.111-1.231
Freon 113	6.79	8.62	0.788	ok	0.788	0.728-0.848
Freon 114	4.29	8.62	0.498	ok	0.498	0.438-0.558
Heptane	11.40	10.45	1.091	ok	1.090	1.030-1.150
Hexachlorobutadiene	20.79	14.70	1.414	ok	1.415	1.355-1.475
Hexane	8.66	8.62	1.005	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67846
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ246-IC246	Q4765.D	10/02/07 08:59	DFT	0.5	GCMSQ	TO-15	
MSQ246-IC246	Q4766.D	10/02/07 09:44	DFT	0.2	GCMSQ	TO-15	
MSQ246-IC246	Q4767.D	10/02/07 10:27	DFT	40	GCMSQ	TO-15	Reporting this level
MSQ246-ICC246	Q4771.D	10/02/07 13:16	DFT	10	GCMSQ	TO-15	
MSQ246-IC246	Q4772.D	10/02/07 13:59	DFT	5	GCMSQ	TO-15	
MSQ246-IC246	Q4773.D	10/02/07 14:42	DFT	2	GCMSQ	TO-15	
MSQ246-IC246	Q4774.D	10/02/07 15:26	DFT	20	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.14	14.70	0.894	ok	0.894	0.834-0.954
Isopropylbenzene	16.46	14.70	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.82	8.62	0.675	ok	0.676	0.616-0.736
Methylene chloride	6.53	8.62	0.758	ok	0.758	0.698-0.818
Methyl ethyl ketone	8.02	8.62	0.930	ok	0.931	0.871-0.991
Methyl Isobutyl Ketone	11.97	10.45	1.145	ok	1.146	1.086-1.206
Methyl Tert Butyl Ether	7.70	8.62	0.893	ok	0.893	0.833-0.953
Nonane	16.02	14.70	1.090	ok	1.090	1.030-1.150
Pentane	6.13	8.62	0.711	ok	0.711	0.651-0.771
Propylene	3.96	8.62	0.459	ok	0.459	0.399-0.519
Styrene	15.70	14.70	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.70	8.62	1.125	ok	1.125	1.065-1.185
1,1,2,2-Tetrachloroethane	15.81	14.70	1.076	ok	1.076	1.016-1.136
1,1,2-Trichloroethane	12.64	10.45	1.210	ok	1.209	1.149-1.269
1,2,4-Trichlorobenzene	20.30	14.70	1.381	ok	1.382	1.322-1.442
1,2,4-Trimethylbenzene	17.75	14.70	1.207	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.29	14.70	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.16	10.45	1.068	ok	1.068	1.008-1.128
Tertiary Butyl Alcohol	6.42	8.62	0.745	ok	0.745	0.685-0.805
Tetrachloroethylene	14.05	14.70	0.956	ok	0.956	0.896-1.016
Tetrahydrofuran	9.12	8.62	1.058	ok	1.060	1.000-1.120
Toluene	12.92	10.45	1.236	ok	1.236	1.176-1.296
Trichloroethylene	11.14	10.45	1.066	ok	1.066	1.006-1.126
Trichlorofluoromethane	5.78	8.62	0.671	ok	0.671	0.611-0.731
Vinyl chloride	4.41	8.62	0.512	ok	0.512	0.452-0.572
Vinyl Acetate	7.78	8.62	0.903	ok	0.902	0.842-0.962
m,p-Xylene	15.32	14.70	1.042	ok	1.042	0.982-1.102
o-Xylene	15.82	14.70	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.62	ok	8.62	8.29-8.95	267007	ok	250913	150548-351278
1,4-Difluorobenzene	10.45	ok	10.45	10.12-10.78	1353515	ok	1197389	718433-1676345
Chlorobenzene-D5	14.70	ok	14.69	14.36-15.02	1215502	ok	1002792	601675-1403909

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67846
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ246-IC246	Q4765.D	10/02/07 08:59	DFT	0.5	GCMSQ	TO-15	
MSQ246-IC246	Q4766.D	10/02/07 09:44	DFT	0.2	GCMSQ	TO-15	
MSQ246-IC246	Q4767.D	10/02/07 10:27	DFT	40	GCMSQ	TO-15	
MSQ246-ICC246	Q4771.D	10/02/07 13:16	DFT	10	GCMSQ	TO-15	Reporting this level
MSQ246-IC246	Q4772.D	10/02/07 13:59	DFT	5	GCMSQ	TO-15	
MSQ246-IC246	Q4773.D	10/02/07 14:42	DFT	2	GCMSQ	TO-15	
MSQ246-IC246	Q4774.D	10/02/07 15:26	DFT	20	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.58	8.62	0.647	ok	0.648	0.588-0.708
1,3-Butadiene	4.55	8.62	0.528	ok	0.528	0.468-0.588
Benzene	10.14	10.45	0.970	ok	0.970	0.910-1.030
Bromodichloromethane	11.09	10.45	1.061	ok	1.062	1.002-1.122
Bromoform	15.41	14.69	1.049	ok	1.049	0.989-1.109
Bromomethane	4.83	8.62	0.560	ok	0.560	0.500-0.620
Bromoethene	5.36	8.62	0.622	ok	0.622	0.562-0.682
Benzyl Chloride	17.90	14.69	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	14.74	14.69	1.003	ok	1.003	0.943-1.063
Chloroethane	4.99	8.62	0.579	ok	0.580	0.520-0.640
Chloroform	8.74	8.62	1.014	ok	1.014	0.954-1.074
Chloromethane	4.19	8.62	0.486	ok	0.486	0.426-0.546
3-Chloropropene	6.65	8.62	0.771	ok	0.771	0.711-0.831
2-Chlorotoluene	17.01	14.69	1.158	ok	1.158	1.098-1.218
Carbon tetrachloride	10.28	8.62	1.193	ok	1.193	1.133-1.253
Cyclohexane	10.40	10.45	0.995	ok	0.995	0.935-1.055
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	0.744	0.684-0.804
1,2-Dibromoethane	13.59	14.69	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	10.91	10.45	1.044	ok	1.044	0.984-1.104
1,4-Dioxane	11.12	10.45	1.064	ok	1.065	1.005-1.125
Dichlorodifluoromethane	4.03	8.62	0.468	ok	0.468	0.408-0.528
Dibromochloromethane	13.34	14.69	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	11.95	10.45	1.144	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.93	14.69	1.221	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.39	14.69	1.252	ok	1.252	1.192-1.312
p-Dichlorobenzene	18.00	14.69	1.225	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.45	10.45	1.191	ok	1.191	1.131-1.251
Ethanol	5.08	8.62	0.589	ok	0.591	0.531-0.651
Ethylbenzene	15.12	14.69	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.65	8.62	1.003	ok	1.004	0.944-1.064
4-Ethyltoluene	17.20	14.69	1.171	ok	1.171	1.111-1.231
Freon 113	6.79	8.62	0.788	ok	0.788	0.728-0.848
Freon 114	4.29	8.62	0.498	ok	0.498	0.438-0.558
Heptane	11.40	10.45	1.091	ok	1.090	1.030-1.150
Hexachlorobutadiene	20.79	14.69	1.415	ok	1.415	1.355-1.475
Hexane	8.65	8.62	1.003	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67846
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ246-IC246	Q4765.D	10/02/07 08:59	DFT	0.5	GCMSQ	TO-15	
MSQ246-IC246	Q4766.D	10/02/07 09:44	DFT	0.2	GCMSQ	TO-15	
MSQ246-IC246	Q4767.D	10/02/07 10:27	DFT	40	GCMSQ	TO-15	
MSQ246-ICC246	Q4771.D	10/02/07 13:16	DFT	10	GCMSQ	TO-15	Reporting this level
MSQ246-IC246	Q4772.D	10/02/07 13:59	DFT	5	GCMSQ	TO-15	
MSQ246-IC246	Q4773.D	10/02/07 14:42	DFT	2	GCMSQ	TO-15	
MSQ246-IC246	Q4774.D	10/02/07 15:26	DFT	20	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.13	14.69	0.894	ok	0.894	0.834-0.954
Isopropylbenzene	16.46	14.69	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.81	8.62	0.674	ok	0.676	0.616-0.736
Methylene chloride	6.53	8.62	0.758	ok	0.758	0.698-0.818
Methyl ethyl ketone	8.02	8.62	0.930	ok	0.931	0.871-0.991
Methyl Isobutyl Ketone	11.96	10.45	1.144	ok	1.146	1.086-1.206
Methyl Tert Butyl Ether	7.69	8.62	0.892	ok	0.893	0.833-0.953
Nonane	16.01	14.69	1.090	ok	1.090	1.030-1.150
Pentane	6.13	8.62	0.711	ok	0.711	0.651-0.771
Propylene	3.96	8.62	0.459	ok	0.459	0.399-0.519
Styrene	15.69	14.69	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.70	8.62	1.125	ok	1.125	1.065-1.185
1,1,2,2-Tetrachloroethane	15.80	14.69	1.076	ok	1.076	1.016-1.136
1,1,2-Trichloroethane	12.63	10.45	1.209	ok	1.209	1.149-1.269
1,2,4-Trichlorobenzene	20.30	14.69	1.382	ok	1.382	1.322-1.442
1,2,4-Trimethylbenzene	17.75	14.69	1.208	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.28	14.69	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.16	10.45	1.068	ok	1.068	1.008-1.128
Tertiary Butyl Alcohol	6.42	8.62	0.745	ok	0.745	0.685-0.805
Tetrachloroethylene	14.04	14.69	0.956	ok	0.956	0.896-1.016
Tetrahydrofuran	9.13	8.62	1.059	ok	1.060	1.000-1.120
Toluene	12.91	10.45	1.235	ok	1.236	1.176-1.296
Trichloroethylene	11.13	10.45	1.065	ok	1.066	1.006-1.126
Trichlorofluoromethane	5.78	8.62	0.671	ok	0.671	0.611-0.731
Vinyl chloride	4.41	8.62	0.512	ok	0.512	0.452-0.572
Vinyl Acetate	7.77	8.62	0.901	ok	0.902	0.842-0.962
m,p-Xylene	15.31	14.69	1.042	ok	1.042	0.982-1.102
o-Xylene	15.81	14.69	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	248607	ok	250913	150548-351278
1,4-Difluorobenzene	10.45	ok	10.45	10.12-10.78	1245077	ok	1197389	718433-1676345
Chlorobenzene-D5	14.69	ok	14.69	14.36-15.02	1060559	ok	1002792	601675-1403909

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67846
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ246-IC246	Q4765.D	10/02/07 08:59	DFT	0.5	GCMSQ	TO-15	
MSQ246-IC246	Q4766.D	10/02/07 09:44	DFT	0.2	GCMSQ	TO-15	
MSQ246-IC246	Q4767.D	10/02/07 10:27	DFT	40	GCMSQ	TO-15	
MSQ246-ICC246	Q4771.D	10/02/07 13:16	DFT	10	GCMSQ	TO-15	
MSQ246-IC246	Q4772.D	10/02/07 13:59	DFT	5	GCMSQ	TO-15	Reporting this level
MSQ246-IC246	Q4773.D	10/02/07 14:42	DFT	2	GCMSQ	TO-15	
MSQ246-IC246	Q4774.D	10/02/07 15:26	DFT	20	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.59	8.62	0.648	ok	0.648	0.588-0.708
1,3-Butadiene	4.55	8.62	0.528	ok	0.528	0.468-0.588
Benzene	10.14	10.45	0.970	ok	0.970	0.910-1.030
Bromodichloromethane	11.09	10.45	1.061	ok	1.062	1.002-1.122
Bromoform	15.41	14.69	1.049	ok	1.049	0.989-1.109
Bromomethane	4.82	8.62	0.559	ok	0.560	0.500-0.620
Bromoethene	5.36	8.62	0.622	ok	0.622	0.562-0.682
Benzyl Chloride	17.91	14.69	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	14.74	14.69	1.003	ok	1.003	0.943-1.063
Chloroethane	5.01	8.62	0.581	ok	0.580	0.520-0.640
Chloroform	8.74	8.62	1.014	ok	1.014	0.954-1.074
Chloromethane	4.19	8.62	0.486	ok	0.486	0.426-0.546
3-Chloropropene	6.65	8.62	0.771	ok	0.771	0.711-0.831
2-Chlorotoluene	17.01	14.69	1.158	ok	1.158	1.098-1.218
Carbon tetrachloride	10.28	8.62	1.193	ok	1.193	1.133-1.253
Cyclohexane	10.40	10.45	0.995	ok	0.995	0.935-1.055
1,1-Dichloroethane	7.66	8.62	0.889	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.42	8.62	0.745	ok	0.744	0.684-0.804
1,2-Dibromoethane	13.59	14.69	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	10.91	10.45	1.044	ok	1.044	0.984-1.104
1,4-Dioxane	11.12	10.45	1.064	ok	1.065	1.005-1.125
Dichlorodifluoromethane	4.03	8.62	0.468	ok	0.468	0.408-0.528
Dibromochloromethane	13.34	14.69	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	11.95	10.45	1.144	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.93	14.69	1.221	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.39	14.69	1.252	ok	1.252	1.192-1.312
p-Dichlorobenzene	18.00	14.69	1.225	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.45	10.45	1.191	ok	1.191	1.131-1.251
Ethanol	5.09	8.62	0.590	ok	0.591	0.531-0.651
Ethylbenzene	15.12	14.69	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.65	8.62	1.003	ok	1.004	0.944-1.064
4-Ethyltoluene	17.19	14.69	1.170	ok	1.171	1.111-1.231
Freon 113	6.79	8.62	0.788	ok	0.788	0.728-0.848
Freon 114	4.29	8.62	0.498	ok	0.498	0.438-0.558
Heptane	11.39	10.45	1.090	ok	1.090	1.030-1.150
Hexachlorobutadiene	20.78	14.69	1.415	ok	1.415	1.355-1.475
Hexane	8.66	8.62	1.005	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67846
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ246-IC246	Q4765.D	10/02/07 08:59	DFT	0.5	GCMSQ	TO-15	
MSQ246-IC246	Q4766.D	10/02/07 09:44	DFT	0.2	GCMSQ	TO-15	
MSQ246-IC246	Q4767.D	10/02/07 10:27	DFT	40	GCMSQ	TO-15	
MSQ246-ICC246	Q4771.D	10/02/07 13:16	DFT	10	GCMSQ	TO-15	
MSQ246-IC246	Q4772.D	10/02/07 13:59	DFT	5	GCMSQ	TO-15	Reporting this level
MSQ246-IC246	Q4773.D	10/02/07 14:42	DFT	2	GCMSQ	TO-15	
MSQ246-IC246	Q4774.D	10/02/07 15:26	DFT	20	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.14	14.69	0.894	ok	0.894	0.834-0.954
Isopropylbenzene	16.45	14.69	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.81	8.62	0.674	ok	0.676	0.616-0.736
Methylene chloride	6.53	8.62	0.758	ok	0.758	0.698-0.818
Methyl ethyl ketone	8.02	8.62	0.930	ok	0.931	0.871-0.991
Methyl Isobutyl Ketone	11.97	10.45	1.145	ok	1.146	1.086-1.206
Methyl Tert Butyl Ether	7.70	8.62	0.893	ok	0.893	0.833-0.953
Nonane	16.01	14.69	1.090	ok	1.090	1.030-1.150
Pentane	6.13	8.62	0.711	ok	0.711	0.651-0.771
Propylene	3.96	8.62	0.459	ok	0.459	0.399-0.519
Styrene	15.69	14.69	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.69	8.62	1.124	ok	1.125	1.065-1.185
1,1,2,2-Tetrachloroethane	15.80	14.69	1.076	ok	1.076	1.016-1.136
1,1,2-Trichloroethane	12.64	10.45	1.210	ok	1.209	1.149-1.269
1,2,4-Trichlorobenzene	20.30	14.69	1.382	ok	1.382	1.322-1.442
1,2,4-Trimethylbenzene	17.75	14.69	1.208	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.28	14.69	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.16	10.45	1.068	ok	1.068	1.008-1.128
Tertiary Butyl Alcohol	6.42	8.62	0.745	ok	0.745	0.685-0.805
Tetrachloroethylene	14.04	14.69	0.956	ok	0.956	0.896-1.016
Tetrahydrofuran	9.13	8.62	1.059	ok	1.060	1.000-1.120
Toluene	12.91	10.45	1.235	ok	1.236	1.176-1.296
Trichloroethylene	11.13	10.45	1.065	ok	1.066	1.006-1.126
Trichlorofluoromethane	5.78	8.62	0.671	ok	0.671	0.611-0.731
Vinyl chloride	4.41	8.62	0.512	ok	0.512	0.452-0.572
Vinyl Acetate	7.77	8.62	0.901	ok	0.902	0.842-0.962
m,p-Xylene	15.31	14.69	1.042	ok	1.042	0.982-1.102
o-Xylene	15.81	14.69	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	248688	ok	250913	150548-351278
1,4-Difluorobenzene	10.45	ok	10.45	10.12-10.78	1195886	ok	1197389	718433-1676345
Chlorobenzene-D5	14.69	ok	14.69	14.36-15.02	951731	ok	1002792	601675-1403909

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67846
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ246-IC246	Q4765.D	10/02/07 08:59	DFT	0.5	GCMSQ	TO-15	
MSQ246-IC246	Q4766.D	10/02/07 09:44	DFT	0.2	GCMSQ	TO-15	
MSQ246-IC246	Q4767.D	10/02/07 10:27	DFT	40	GCMSQ	TO-15	
MSQ246-ICC246	Q4771.D	10/02/07 13:16	DFT	10	GCMSQ	TO-15	
MSQ246-IC246	Q4772.D	10/02/07 13:59	DFT	5	GCMSQ	TO-15	
MSQ246-IC246	Q4773.D	10/02/07 14:42	DFT	2	GCMSQ	TO-15	Reporting this level
MSQ246-IC246	Q4774.D	10/02/07 15:26	DFT	20	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.59	8.62	0.648	ok	0.648	0.588-0.708
1,3-Butadiene	4.55	8.62	0.528	ok	0.528	0.468-0.588
Benzene	10.13	10.45	0.969	ok	0.970	0.910-1.030
Bromodichloromethane	11.09	10.45	1.061	ok	1.062	1.002-1.122
Bromoform	15.41	14.69	1.049	ok	1.049	0.989-1.109
Bromomethane	4.82	8.62	0.559	ok	0.560	0.500-0.620
Bromoethene	5.36	8.62	0.622	ok	0.622	0.562-0.682
Benzyl Chloride	17.91	14.69	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	14.74	14.69	1.003	ok	1.003	0.943-1.063
Chloroethane	5.00	8.62	0.580	ok	0.580	0.520-0.640
Chloroform	8.74	8.62	1.014	ok	1.014	0.954-1.074
Chloromethane	4.19	8.62	0.486	ok	0.486	0.426-0.546
3-Chloropropene	6.65	8.62	0.771	ok	0.771	0.711-0.831
2-Chlorotoluene	17.01	14.69	1.158	ok	1.158	1.098-1.218
Carbon tetrachloride	10.28	8.62	1.193	ok	1.193	1.133-1.253
Cyclohexane	10.40	10.45	0.995	ok	0.995	0.935-1.055
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	0.744	0.684-0.804
1,2-Dibromoethane	13.59	14.69	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	10.91	10.45	1.044	ok	1.044	0.984-1.104
1,4-Dioxane	11.13	10.45	1.065	ok	1.065	1.005-1.125
Dichlorodifluoromethane	4.03	8.62	0.468	ok	0.468	0.408-0.528
Dibromochloromethane	13.34	14.69	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	11.95	10.45	1.144	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.93	14.69	1.221	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.39	14.69	1.252	ok	1.252	1.192-1.312
p-Dichlorobenzene	18.00	14.69	1.225	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.45	10.45	1.191	ok	1.191	1.131-1.251
Ethanol	5.10	8.62	0.592	ok	0.591	0.531-0.651
Ethylbenzene	15.12	14.69	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.65	8.62	1.003	ok	1.004	0.944-1.064
4-Ethyltoluene	17.20	14.69	1.171	ok	1.171	1.111-1.231
Freon 113	6.79	8.62	0.788	ok	0.788	0.728-0.848
Freon 114	4.29	8.62	0.498	ok	0.498	0.438-0.558
Heptane	11.39	10.45	1.090	ok	1.090	1.030-1.150
Hexachlorobutadiene	20.79	14.69	1.415	ok	1.415	1.355-1.475
Hexane	8.66	8.62	1.005	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67846
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ246-IC246	Q4765.D	10/02/07 08:59	DFT	0.5	GCMSQ	TO-15	
MSQ246-IC246	Q4766.D	10/02/07 09:44	DFT	0.2	GCMSQ	TO-15	
MSQ246-IC246	Q4767.D	10/02/07 10:27	DFT	40	GCMSQ	TO-15	
MSQ246-ICC246	Q4771.D	10/02/07 13:16	DFT	10	GCMSQ	TO-15	
MSQ246-IC246	Q4772.D	10/02/07 13:59	DFT	5	GCMSQ	TO-15	
MSQ246-IC246	Q4773.D	10/02/07 14:42	DFT	2	GCMSQ	TO-15	Reporting this level
MSQ246-IC246	Q4774.D	10/02/07 15:26	DFT	20	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.14	14.69	0.894	ok	0.894	0.834-0.954
Isopropylbenzene	16.45	14.69	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.82	8.62	0.675	ok	0.676	0.616-0.736
Methylene chloride	6.53	8.62	0.758	ok	0.758	0.698-0.818
Methyl ethyl ketone	8.03	8.62	0.932	ok	0.931	0.871-0.991
Methyl Isobutyl Ketone	11.97	10.45	1.145	ok	1.146	1.086-1.206
Methyl Tert Butyl Ether	7.70	8.62	0.893	ok	0.893	0.833-0.953
Nonane	16.01	14.69	1.090	ok	1.090	1.030-1.150
Pentane	6.13	8.62	0.711	ok	0.711	0.651-0.771
Propylene	3.96	8.62	0.459	ok	0.459	0.399-0.519
Styrene	15.70	14.69	1.069	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.69	8.62	1.124	ok	1.125	1.065-1.185
1,1,2,2-Tetrachloroethane	15.80	14.69	1.076	ok	1.076	1.016-1.136
1,1,2-Trichloroethane	12.63	10.45	1.209	ok	1.209	1.149-1.269
1,2,4-Trichlorobenzene	20.30	14.69	1.382	ok	1.382	1.322-1.442
1,2,4-Trimethylbenzene	17.75	14.69	1.208	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.28	14.69	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.16	10.45	1.068	ok	1.068	1.008-1.128
Tertiary Butyl Alcohol	6.42	8.62	0.745	ok	0.745	0.685-0.805
Tetrachloroethylene	14.05	14.69	0.956	ok	0.956	0.896-1.016
Tetrahydrofuran	9.13	8.62	1.059	ok	1.060	1.000-1.120
Toluene	12.91	10.45	1.235	ok	1.236	1.176-1.296
Trichloroethylene	11.14	10.45	1.066	ok	1.066	1.006-1.126
Trichlorofluoromethane	5.78	8.62	0.671	ok	0.671	0.611-0.731
Vinyl chloride	4.42	8.62	0.513	ok	0.512	0.452-0.572
Vinyl Acetate	7.78	8.62	0.903	ok	0.902	0.842-0.962
m,p-Xylene	15.31	14.69	1.042	ok	1.042	0.982-1.102
o-Xylene	15.81	14.69	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	268307	ok	250913	150548-351278
1,4-Difluorobenzene	10.45	ok	10.45	10.12-10.78	1239828	ok	1197389	718433-1676345
Chlorobenzene-D5	14.69	ok	14.69	14.36-15.02	983884	ok	1002792	601675-1403909

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67846
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ246-IC246	Q4765.D	10/02/07 08:59	DFT	0.5	GCMSQ	TO-15	
MSQ246-IC246	Q4766.D	10/02/07 09:44	DFT	0.2	GCMSQ	TO-15	
MSQ246-IC246	Q4767.D	10/02/07 10:27	DFT	40	GCMSQ	TO-15	
MSQ246-ICC246	Q4771.D	10/02/07 13:16	DFT	10	GCMSQ	TO-15	
MSQ246-IC246	Q4772.D	10/02/07 13:59	DFT	5	GCMSQ	TO-15	
MSQ246-IC246	Q4773.D	10/02/07 14:42	DFT	2	GCMSQ	TO-15	
MSQ246-IC246	Q4774.D	10/02/07 15:26	DFT	20	GCMSQ	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.58	8.62	0.647	ok	0.648	0.588-0.708
1,3-Butadiene	4.55	8.62	0.528	ok	0.528	0.468-0.588
Benzene	10.14	10.45	0.970	ok	0.970	0.910-1.030
Bromodichloromethane	11.10	10.45	1.062	ok	1.062	1.002-1.122
Bromoform	15.41	14.69	1.049	ok	1.049	0.989-1.109
Bromomethane	4.83	8.62	0.560	ok	0.560	0.500-0.620
Bromoethene	5.36	8.62	0.622	ok	0.622	0.562-0.682
Benzyl Chloride	17.91	14.69	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	14.74	14.69	1.003	ok	1.003	0.943-1.063
Chloroethane	5.00	8.62	0.580	ok	0.580	0.520-0.640
Chloroform	8.74	8.62	1.014	ok	1.014	0.954-1.074
Chloromethane	4.19	8.62	0.486	ok	0.486	0.426-0.546
3-Chloropropene	6.65	8.62	0.771	ok	0.771	0.711-0.831
2-Chlorotoluene	17.01	14.69	1.158	ok	1.158	1.098-1.218
Carbon tetrachloride	10.28	8.62	1.193	ok	1.193	1.133-1.253
Cyclohexane	10.40	10.45	0.995	ok	0.995	0.935-1.055
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	0.744	0.684-0.804
1,2-Dibromoethane	13.59	14.69	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	10.91	10.45	1.044	ok	1.044	0.984-1.104
1,4-Dioxane	11.12	10.45	1.064	ok	1.065	1.005-1.125
Dichlorodifluoromethane	4.03	8.62	0.468	ok	0.468	0.408-0.528
Dibromochloromethane	13.34	14.69	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	11.95	10.45	1.144	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.93	14.69	1.221	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.39	14.69	1.252	ok	1.252	1.192-1.312
p-Dichlorobenzene	18.00	14.69	1.225	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.45	10.45	1.191	ok	1.191	1.131-1.251
Ethanol	5.09	8.62	0.590	ok	0.591	0.531-0.651
Ethylbenzene	15.12	14.69	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.65	8.62	1.003	ok	1.004	0.944-1.064
4-Ethyltoluene	17.20	14.69	1.171	ok	1.171	1.111-1.231
Freon 113	6.79	8.62	0.788	ok	0.788	0.728-0.848
Freon 114	4.29	8.62	0.498	ok	0.498	0.438-0.558
Heptane	11.40	10.45	1.091	ok	1.090	1.030-1.150
Hexachlorobutadiene	20.79	14.69	1.415	ok	1.415	1.355-1.475
Hexane	8.66	8.62	1.005	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67846
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ246-IC246	Q4765.D	10/02/07 08:59	DFT	0.5	GCMSQ	TO-15	
MSQ246-IC246	Q4766.D	10/02/07 09:44	DFT	0.2	GCMSQ	TO-15	
MSQ246-IC246	Q4767.D	10/02/07 10:27	DFT	40	GCMSQ	TO-15	
MSQ246-ICC246	Q4771.D	10/02/07 13:16	DFT	10	GCMSQ	TO-15	
MSQ246-IC246	Q4772.D	10/02/07 13:59	DFT	5	GCMSQ	TO-15	
MSQ246-IC246	Q4773.D	10/02/07 14:42	DFT	2	GCMSQ	TO-15	
MSQ246-IC246	Q4774.D	10/02/07 15:26	DFT	20	GCMSQ	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.14	14.69	0.894	ok	0.894	0.834-0.954
Isopropylbenzene	16.46	14.69	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.82	8.62	0.675	ok	0.676	0.616-0.736
Methylene chloride	6.53	8.62	0.758	ok	0.758	0.698-0.818
Methyl ethyl ketone	8.02	8.62	0.930	ok	0.931	0.871-0.991
Methyl Isobutyl Ketone	11.97	10.45	1.145	ok	1.146	1.086-1.206
Methyl Tert Butyl Ether	7.70	8.62	0.893	ok	0.893	0.833-0.953
Nonane	16.01	14.69	1.090	ok	1.090	1.030-1.150
Pentane	6.13	8.62	0.711	ok	0.711	0.651-0.771
Propylene	3.96	8.62	0.459	ok	0.459	0.399-0.519
Styrene	15.69	14.69	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.70	8.62	1.125	ok	1.125	1.065-1.185
1,1,2,2-Tetrachloroethane	15.80	14.69	1.076	ok	1.076	1.016-1.136
1,1,2-Trichloroethane	12.64	10.45	1.210	ok	1.209	1.149-1.269
1,2,4-Trichlorobenzene	20.30	14.69	1.382	ok	1.382	1.322-1.442
1,2,4-Trimethylbenzene	17.75	14.69	1.208	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.28	14.69	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.16	10.45	1.068	ok	1.068	1.008-1.128
Tertiary Butyl Alcohol	6.42	8.62	0.745	ok	0.745	0.685-0.805
Tetrachloroethylene	14.05	14.69	0.956	ok	0.956	0.896-1.016
Tetrahydrofuran	9.12	8.62	1.058	ok	1.060	1.000-1.120
Toluene	12.91	10.45	1.235	ok	1.236	1.176-1.296
Trichloroethylene	11.14	10.45	1.066	ok	1.066	1.006-1.126
Trichlorofluoromethane	5.78	8.62	0.671	ok	0.671	0.611-0.731
Vinyl chloride	4.41	8.62	0.512	ok	0.512	0.452-0.572
Vinyl Acetate	7.78	8.62	0.903	ok	0.902	0.842-0.962
m,p-Xylene	15.32	14.69	1.043	ok	1.042	0.982-1.102
o-Xylene	15.81	14.69	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	278784	ok	250913	150548-351278
1,4-Difluorobenzene	10.45	ok	10.45	10.12-10.78	1234330	ok	1197389	718433-1676345
Chlorobenzene-D5	14.69	ok	14.69	14.36-15.02	1064703	ok	1002792	601675-1403909

Volatile Surrogate Recovery Summary

Job Number: M67846
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

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

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1
M67846-1	Q4779.D	87.0
M67846-2	Q4780.D	91.0
M67846-2DUP	Q4781.D	85.0
MSJ561-SCC	J10848.D	89.0
MSJ561-SCC	J10852.D	93.0
MSQ246-BS	Q4776B.D	102.0
MSQ246-MB	Q4778.D	81.0
MSJ561-BS	J10841A.D	109.0
MSJ561-MB	J10843.D	94.0

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

Initial Calibration Summary

Job Number: M67846
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSJ557-ICC557
Lab FileID: J10762.D

Response Factor Report MSJ

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

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

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

Initial Calibration Summary

Job Number: M67846
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSJ557-ICC557
Lab FileID: J10762.D

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

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

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

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

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

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

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

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

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

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

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

Initial Calibration Summary

Job Number: M67846
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSJ557-ICC557
Lab FileID: J10762.D

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

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

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

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

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

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

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

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

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

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

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

Initial Calibration Verification

Job Number: M67846
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSJ557-ICV557
Lab FileID: J10768.D

Evaluate Continuing Calibration Report

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

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

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

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

Initial Calibration Verification

Job Number: M67846
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSJ557-ICV557
Lab FileID: J10768.D

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

Initial Calibration Verification

Job Number: M67846
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSJ557-ICV557
Lab FileID: J10768.D

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

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

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

Continuing Calibration Summary

Job Number: M67846
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSJ561-CC557
Lab FileID: J10841.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\J10841.D Vial: 1
Acq On : 3 Jul 2007 11:46 am Operator: danat
Sample : cc557-10 (M080) Inst : MSJ
Misc : MS13762, MSJ561,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\J062507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Mon Jun 25 18:15:12 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	75	0.00	8.63
2	m	DICHLORODIFLUOROMETHANE	3.560	3.953	-11.0	95	0.00	4.07
3	m	PROPYLENE	0.524	0.669	-27.7	99	0.00	4.01
4	m	FREON 114	3.101	3.707	-19.5	103	0.01	4.33
5	m	CHLOROMETHANE	0.771	0.904	-17.3	102	0.00	4.24
6	m	VINYL CHLORIDE	0.884	1.090	-23.3	103	0.00	4.45
7	m	1,3-BUTADIENE	0.625	0.814	-30.2#	103	0.00	4.59
8	m	BROMOMETHANE	1.003	1.262	-25.8	101	0.00	4.86
9	m	CHLOROETHANE	0.409	0.523	-27.9	102	0.00	5.04
10	m	TRICHLOROFLUOROMETHANE	3.741	4.316	-15.4	100	0.00	5.80
11	m	ISOPROPYL ALCOHOL	1.134	1.097	3.3	77	0.00	5.99
		----------	True	Calc.	% Drift	----------		
12	m	ACETONE	10.000	11.000	-10.0	92	0.01	5.67
13	m	PENTANE	10.000	12.564	-25.6	102	0.00	6.14
		----------	AvgRF	CCRF	% Dev	----------		
14	m	1,1-DICHLOROETHYLENE	0.954	1.212	-27.0	97	0.00	6.43
15	m	CARBON DISULFIDE	2.895	3.325	-14.9	96	0.00	6.85
		----------	True	Calc.	% Drift	----------		
16	m	ETHANOL	10.000	11.661	-16.6	92	0.02	5.25
		----------	AvgRF	CCRF	% Dev	----------		
17	m	BROMOETHENE	0.967	1.268	-31.1#	99	0.01	5.39
		----------	True	Calc.	% Drift	----------		
18	m	METHYLENE CHLORIDE	10.000	11.842	-18.4	96	0.00	6.55
		----------	AvgRF	CCRF	% Dev	----------		
19	m	3-CHLOROPROPENE	0.754	0.916	-21.5	105	0.01	6.67
20	m	FREON 113	2.342	2.732	-16.7	102	0.00	6.79
21	m	TRANS-1,2-DICHLOROETHYLEN	0.921	1.168	-26.8	98	0.00	7.46
22	m	TERTIARY BUTYL ALCOHOL	1.246	1.050	15.7	55	0.03	6.60
23	m	METHYL TERTIARY BUTYL ETH	1.909	2.085	-9.2	80	0.01	7.75
24	m	TETRAHYDROFURAN	0.579	0.739	-27.6	96	0.00	9.19
25	m	HEXANE	1.159	1.293	-11.6	103	0.00	8.64
26	m	VINYL ACETATE	1.272	1.469	-15.5	95	0.00	7.81
27	m	1,1-DICHLOROETHANE	1.609	1.966	-22.2	105	0.00	7.66
28	m	METHYL ETHYL KETONE	1.211	1.407	-16.2	95	0.01	8.09
29	m	cis-1,2-DICHLOROETHYLENE	0.879	1.157	-31.6#	106	0.00	8.47
30	m	ETHYL ACETATE	1.252	1.488	-18.8	93	0.00	8.70

Continuing Calibration Summary

Job Number: M67846
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSJ561-CC557
Lab FileID: J10841.D

31	m	CHLOROFORM	2.256	2.732	-21.1	106	0.00	8.75
32	m	1,1,1-TRICHLOROETHANE	2.614	3.160	-20.9	103	0.00	9.68
33	m	CARBON TETRACHLORIDE	3.236	3.789	-17.1	96	0.00	10.26
34	m	1,2-DICHLOROETHANE	1.301	1.607	-23.5	105	0.00	9.46
35	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	63	0.00	10.45
36	m	BENZENE	0.468	0.761	-62.6#	109	0.00	10.13
37	m	CYCLOHEXANE	0.227	0.358	-57.7#	101	0.00	10.37
38	m	TRICHLOROETHYLENE	0.259	0.389	-50.2#	102	0.00	11.12
39	m	1,2-DICHLOROPROPANE	0.159	0.249	-56.6#	109	0.00	10.91
40	m	BROMODICHLOROMETHANE	0.465	0.648	-39.4#	100	0.00	11.10
41	m	2,2,4-TRIMETHYLPENTANE	0.708	1.297	-83.2#	117	0.00	11.13
42	m	1,4-DIOXANE	0.087	0.123	-41.4#	96	0.00	11.19
43	m	HEPTANE	0.224	0.386	-72.3#	108	0.00	11.36
44	m	METHYL ISOBUTYL KETONE	0.283	0.432	-52.7#	100	0.00	12.01
		----------	True	Calc.	% Drift	----------		
45	m	cis-1,3-DICHLOROPROPENE	10.000	13.438	-34.4#	103	0.00	11.94
		----------	AvgRF	CCRF	% Dev	----------		
46	m	TOLUENE	0.310	0.537	-73.2#	107	0.00	12.89
		----------	True	Calc.	% Drift	----------		
47	m	trans-1,3-DICHLOROPROPENE	10.000	10.818	-8.2	85	0.00	12.45
		----------	AvgRF	CCRF	% Dev	----------		
48	m	1,1,2-TRICHLOROETHANE	0.171	0.269	-57.3#	108	0.00	12.63
49	I	CHLOROBENZENE-D5	1.000	1.000	0.0	64	0.00	14.68
50	m	2-HEXANONE	0.241	0.347	-44.0#	87	0.00	13.18
51	m	TETRACHLOROETHYLENE	0.331	0.514	-55.3#	104	0.00	14.01
52	m	DIBROMOCHLOROMETHANE	0.495	0.745	-50.5#	102	0.00	13.33
53	m	1,2-DIBROMOETHANE	0.328	0.533	-62.5#	104	0.00	13.58
54	m	CHLOROBENZENE	0.460	0.855	-85.9#	105	0.00	14.72
		----------	True	Calc.	% Drift	----------		
55	m	ETHYLBENZENE	10.000	14.280	-42.8#	104	0.00	15.10
56	m	m,p-XYLENE	20.000	28.933	-44.7#	107	0.00	15.29
57	m	o-XYLENE	10.000	14.316	-43.2#	106	0.00	15.79
58	m	STYRENE	10.000	13.540	-35.4#	109	0.00	15.68
59	m	NONANE	10.000	15.350	-53.5#	116	0.00	15.98
		----------	AvgRF	CCRF	% Dev	----------		
60	m	BROMOFORM	0.478	0.751	-57.1#	103	0.00	15.41
61	S	4-BROMOFLUOROBENZENE	0.552	0.687	-24.5	67	0.00	16.30
62	m	1,1,2,2-TETRACHLOROETHANE	0.423	0.760	-79.7#	121	0.00	15.81
		----------	True	Calc.	% Drift	----------		
63	m	ISOPROPYLBENZENE	10.000	14.581	-45.8#	110	0.00	16.43
64	m	2-CHLOROTOLUENE	10.000	14.667	-46.7#	114	0.00	16.99
65	m	4-ETHYLTOLUENE	10.000	13.047	-30.5#	109	0.00	17.18
66	m	1,3,5-TRIMETHYLBENZENE	10.000	14.540	-45.4#	117	0.00	17.26
67	m	1,2,4-TRIMETHYLBENZENE	10.000	14.491	-44.9#	119	0.00	17.72
68	m	m-DICHLOROBENZENE	10.000	13.632	-36.3#	110	0.00	17.91
69	m	BENZYL CHLORIDE	10.000	11.438	-14.4	90	0.00	17.89
70	m	p-DICHLOROBENZENE	10.000	13.096	-31.0#	104	0.00	17.98
71	m	o-DICHLOROBENZENE	10.000	14.383	-43.8#	118	0.00	18.37
72	m	HEXACHLOROBUTADIENE	10.000	17.580	-75.8#	119	0.00	20.76
73	m	1,2,4-TRICHLOROBENZENE	10.000	14.071	-40.7#	111	0.00	20.27

Continuing Calibration Summary

Job Number: M67846
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSJ561-CC557
Lab FileID: J10841.D

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

 ( 52.9 %) 37 of  70 compounds'%D > 30
-------------------------------------------------------------------------------

   (#) = Out of Range              SPCC's out = 0  CCC's out = 0
    J10762.D   J062507T.M       Thu Jul 05 17:20:46 2007
```

Initial Calibration Summary

Job Number: M67846
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ246-ICC246
Lab FileID: Q4771.D

Response Factor Report MAMSQ

Method : C:\msdchem\1\METHODS\Q100207T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Wed Oct 03 09:29:03 2007
Response via : Initial Calibration

Calibration Files
.2 =Q4766.D .5 =Q4765.D 2 =Q4773.D
5 =Q4772.D 10 =Q4771.D 20 =Q4774.D 40 =Q4767.D

Compound	.2	.5	2	5	10	20	40	Avg	%RSD
1) I BROMOCHLOROMETHANE	----------ISTD----------								
2)m DICHLORODIFLUOROM	7.825	7.120	7.279	4.981	4.494	6.129	5.699	6.218	20.02
3)m PROPYLENE	0.777	0.779	1.028	0.763	0.626	0.997	0.893	0.838	17.05
4)m FREON 114	5.838	6.126	5.879	4.469	3.636	5.246	5.052	5.178	17.14
5)m CHLOROMETHANE	1.336	1.364	1.332	1.003	0.785	1.209	1.098	1.161	18.38
6)m VINYL CHLORIDE	1.319	1.326	1.617	1.128	0.959	1.435	1.321	1.301	16.18
7)m 1,3-BUTADIENE	1.118	1.099	1.250	0.948	0.776	1.144	1.093	1.061	14.50
8)m BROMOMETHANE	1.712	1.700	1.860	1.342	1.703	1.621	1.533	1.639	10.03
9)m CHLOROETHANE	0.427	0.576	0.684	0.493	0.420	0.622	0.566	0.541	18.29
10)m TRICHLOROFLUOROME	7.384	7.456	6.693	5.242	6.396	6.003	5.903	6.439	12.53
11)m ISOPROPYL ALCOHOL	2.201	3.049	2.207	1.757	2.166	2.220	1.901	2.215	18.49
12)m ACETONE	3.361	2.892	2.311	1.774	2.267	2.134	1.867	2.372	23.92
----- Quadratic regression ----- Coefficient = 0.9985									
Response Ratio = -0.03370 + 2.37053 *A + -0.12302 *A^2									
13)m PENTANE	1.585	1.438	1.416	1.263	1.410	1.313	1.196	1.374	9.38
14)m 1,1-DICHLOROETHYL	1.547	1.538	1.605	1.400	1.613	1.582	1.456	1.534	5.17
15)m CARBON DISULFIDE	4.724	4.617	4.551	4.570	4.641	4.348	3.937	4.484	5.96
16)m ETHANOL	0.492	0.374	0.507	0.366	0.466	0.457	0.391	0.436	13.33
17)m BROMOETHENE	1.523	1.529	1.688	1.341	1.635	1.590	1.506	1.545	7.22
18)m METHYLENE CHLORID	4.050	3.455	2.804	1.504	1.270	1.377	1.197	2.237	52.85
----- Linear regression (equal Weighting)----- Coefficient = 0.9939									
Response Ratio = 0.17663 + 1.17647 *A									
19)m 3-CHLOROPROPENE	1.381	1.369	1.505	1.640	1.504	1.568	1.558	1.504	6.58
20)m FREON 113	3.969	3.828	3.519	3.463	3.267	3.309	3.199	3.508	8.32
21)m TRANS-1,2-DICHLOR	1.646	1.546	1.560	1.601	1.366	1.536	1.420	1.525	6.48
22)m TERTIARY BUTYL AL	2.261	2.118	3.119	2.881	3.044	3.003	2.384	2.687	15.55
23)m METHYL TERTIARY B	2.930	2.738	3.637	4.001	3.601	3.856	3.469	3.462	13.46
24)m TETRAHYDROFURAN	0.395	0.546	0.946	1.100	1.149	1.153	1.054	0.906	34.09
----- Linear regression (equal Weighting)----- Coefficient = 0.9975									
Response Ratio = 0.01792 + 1.07058 *A									
25)m HEXANE	1.646	1.731	1.802	1.847	1.774	1.777	1.681	1.751	3.98
26)m VINYL ACETATE	1.971	1.778	2.487	2.892	2.848	2.851	2.634	2.494	18.06
27)m 1,1-DICHLOROETHAN	2.694	2.676	2.717	2.911	2.491	2.749	2.635	2.696	4.69
28)m METHYL ETHYL KETO	1.803	1.806	2.223	2.516	2.403	2.400	2.159	2.187	13.14
29)m cis-1,2-DICHLOROE	0.865	0.889	1.138	1.231	1.263	1.374	1.374	1.162	18.18
30)m ETHYL ACETATE	2.916	3.129	3.460	3.696	3.604	3.574	3.313	3.385	8.32
31)m CHLOROFORM	3.838	3.954	3.508	3.610	3.524	3.615	3.585	3.662	4.60
32)m 1,1,1-TRICHLOROET	4.066	4.359	3.627	3.762	3.693	3.901	3.958	3.909	6.42
33)m CARBON TETRACHLOR	5.126	5.374	4.819	4.893	4.769	4.831	4.884	4.957	4.37
34)m 1,2-DICHLOROETHAN	2.098	2.027	2.155	2.279	2.384	2.310	2.411	2.238	6.55
35) I 1,4-DIFLUOROBENZENE	----------ISTD----------								
36)m BENZENE	0.498	0.532	0.655	0.680	0.684	0.818	0.745	0.659	17.05

Initial Calibration Summary

Job Number: M67846
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ246-ICC246
Lab FileID: Q4771.D

```
37)m CYCLOHEXANE       0.136 0.256 0.333 0.336 0.326 0.375 0.318 0.297  26.71
38)m TRICHLOROETHYLENE 0.321 0.383 0.403 0.420 0.412 0.490 0.443 0.410  12.69
39)m 1,2-DICHLOROPROPA 0.201 0.204 0.228 0.235 0.241 0.278 0.245 0.233  11.26
40)m BROMODICHLOROMETH 0.741 0.771 0.700 0.707 0.741 0.877 0.798 0.762   8.01
41)m 2,2,4-TRIMETHYLPE 0.739 0.993 1.164 1.184 1.168 1.392 1.218 1.123  18.30
42)m 1,4-DIOXANE       0.062 0.068 0.122 0.131 0.132 0.165 0.141 0.117  32.33
         ----- Quadratic regression -----  Coefficient =  0.9953
              Response Ratio = -0.01112 + 0.17476 *A + -0.00760 *A^2

43)m HEPTANE           0.222 0.288 0.406 0.427 0.419 0.506 0.445 0.388  25.27
44)m METHYL ISOBUTYL K 0.251 0.297 0.519 0.573 0.567 0.665 0.572 0.492  31.67
         ----- Quadratic regression -----  Coefficient =  0.9971
              Response Ratio = -0.03845 + 0.71680 *A + -0.03315 *A^2

45)m cis-1,3-DICHLOROP 0.197 0.210 0.312 0.359 0.393 0.448 0.423 0.335  29.81
46)m TOLUENE           0.359 0.386 0.388 0.474 0.497 0.580 0.539 0.460  18.43
47)m trans-1,3-DICHLOR 0.136 0.157 0.284 0.328 0.352 0.421 0.401 0.297  37.84
         ----- Quadratic regression -----  Coefficient =  0.9981
              Response Ratio = -0.02486 + 0.41986 *A + -0.00267 *A^2

48)m 1,1,2-TRICHLOROET 0.214 0.225 0.239 0.252 0.252 0.293 0.269 0.249  10.69

49) I   CHLOROBENZENE-D5      ----------------ISTD---------------------
50)m 2-HEXANONE        0.185 0.183 0.465 0.559 0.539 0.640 0.557 0.447  41.77
         ----- Quadratic regression -----  Coefficient =  0.9972
              Response Ratio = -0.03943 + 0.68503 *A + -0.02881 *A^2

51)m TETRACHLOROETHYLE 0.442 0.427 0.450 0.485 0.457 0.585 0.536 0.483  11.87
52)m DIBROMOCHLOROMETH 0.709 0.690 0.753 0.845 0.807 0.970 0.903 0.811  12.64
53)m 1,2-DIBROMOETHANE 0.383 0.367 0.478 0.526 0.521 0.615 0.552 0.492  18.28
54)m CHLOROBENZENE     0.699 0.655 0.794 0.830 0.789 0.917 0.844 0.790  11.24
55)m ETHYLBENZENE      0.566 0.624 1.151 1.341 1.339 1.549 1.403 1.139  34.24
         ----- Quadratic regression -----  Coefficient =  0.9982
              Response Ratio = -0.08323 + 1.62055 *A + -0.04785 *A^2

56)m m,p-XYLENE        0.195 0.229 0.460 0.520 0.509 0.588 0.532 0.433  36.05
         ----- Quadratic regression -----  Coefficient =  0.9983
              Response Ratio = -0.05916 + 0.61471 *A + -0.00911 *A^2

57)m o-XYLENE          0.182 0.219 0.473 0.506 0.500 0.589 0.528 0.428  37.37
         ----- Quadratic regression -----  Coefficient =  0.9978
              Response Ratio = -0.03131 + 0.61569 *A + -0.01930 *A^2

58)m STYRENE           0.166 0.183 0.511 0.653 0.659 0.765 0.713 0.521  47.86
         ----- Quadratic regression -----  Coefficient =  0.9985
              Response Ratio = -0.04506 + 0.78786 *A + -0.01532 *A^2

59)m NONANE            0.268 0.351 0.633 0.704 0.654 0.768 0.707 0.584  33.18
         ----- Quadratic regression -----  Coefficient =  0.9982
              Response Ratio = -0.03259 + 0.78721 *A + -0.01728 *A^2

60)m BROMOFORM         0.561 0.548 0.703 0.771 0.758 0.925 0.883 0.736  19.68
61)S 4-BROMOFLUOROBENZ 0.662 0.728 0.702 0.710 0.758 0.759 0.803 0.732   6.29
62)m 1,1,2,2-TETRACHLO 0.509 0.487 0.733 0.788 0.724 0.851 0.762 0.693  20.20
63)m ISOPROPYLBENZENE  0.746 0.883 1.453 1.597 1.508 1.818 1.660 1.381  29.39
64)m 2-CHLOROTOLUENE   0.383 0.453 0.963 1.091 0.901 1.255 1.170 0.888  38.61
         ----- Quadratic regression -----  Coefficient =  0.9950
              Response Ratio = -0.06437 + 1.20884 *A + -0.00385 *A^2

65)m 4-ETHYLTOLUENE    0.382 0.448 1.172 1.324 1.306 1.620 1.506 1.109  44.69
```

Initial Calibration Summary

Job Number: M67846
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ246-ICC246
Lab FileID: Q4771.D

```
          ----- Quadratic regression -----  Coefficient =  0.9973
               Response Ratio = -0.09555 + 1.62769 *A + -0.02255 *A^2

66)m 1,3,5-TRIMETHYLBE 0.407 0.512 1.154 1.272 1.268 1.524 1.385 1.074  40.63
          ----- Quadratic regression -----  Coefficient =  0.9976
               Response Ratio = -0.08698 + 1.57000 *A + -0.03918 *A^2

67)m 1,2,4-TRIMETHYLBE 0.303 0.317 0.914 0.984 1.022 1.303 1.191 0.862  46.31
          ----- Quadratic regression -----  Coefficient =  0.9963
               Response Ratio = -0.08881 + 1.31380 *A + -0.02341 *A^2

68)m m-DICHLOROBENZENE 0.175 0.232 0.577 0.619 0.557 0.690 0.546 0.485  41.03
          ----- Quadratic regression -----  Coefficient =  0.9941
               Response Ratio = -0.04459 + 0.77110 *A + -0.05244 *A^2

69)m BENZYL CHLORIDE   0.077 0.123 0.532 0.624 0.612 0.780 0.612 0.480  56.27
          ----- Quadratic regression -----  Coefficient =  0.9928
               Response Ratio = -0.06685 + 0.87431 *A + -0.06002 *A^2

70)m p-DICHLOROBENZENE 0.124 0.191 0.522 0.558 0.523 0.645 0.497 0.437  45.27
          ----- Quadratic regression -----  Coefficient =  0.9934
               Response Ratio = -0.04679 + 0.73366 *A + -0.05533 *A^2

71)m o-DICHLOROBENZENE 0.182 0.217 0.517 0.568 0.523 0.477 0.510 0.428  37.06
          ----- Quadratic regression -----  Coefficient =  0.9987
               Response Ratio = 0.00818 + 0.47680 *A + 0.00737 *A^2

72)m HEXACHLOROBUTADIE 0.270 0.300 0.389 0.375 0.344 0.321 0.267 0.324  14.92
73)m 1,2,4-TRICHLOROBE       0.003 0.071 0.086 0.095 0.099 0.090 0.074  48.56
          ----- Quadratic regression -----  Coefficient =  0.9997
               Response Ratio = -0.00806 + 0.11061 *A + -0.00468 *A^2

74)m NAPHTHALENE                                                0.000  -1.00
75)  2-METHYLNAPHTHALE                                          0.000  -1.00
76)  1-METHYLNAPHTHALE                                          0.000  -1.00
-------------------------------------------------------------------------------
(#) = Out of Range

          Q100207T.m        Wed Oct 03 09:38:08 2007   RPT1
```

Continuing Calibration Summary

Job Number: M67846
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ246-CC246
Lab FileID: Q4776A.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\Q4776a.D Vial: 3
Acq On : 2 Oct 2007 6:15 pm Operator: danat
Sample : cc246-10 (M112) Inst : MAMSQ
Misc : MS14329,MSQ246,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\msdchem\1\METHODS\Q100207T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Wed Oct 03 09:29:03 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	113	0.00	8.32- 8.92
2	m	DICHLORODIFLUOROMETHAN	6.218	3.791	39.0#	96	0.00	3.73- 4.33
3	m	PROPYLENE	0.838	0.544	35.1#	99	0.00	3.66- 4.26
4	m	FREON 114	5.178	3.687	28.8	115	0.00	3.99- 4.59
5	m	CHLOROMETHANE	1.161	0.764	34.2#	110	0.00	3.89- 4.49
6	m	VINYL CHLORIDE	1.301	0.951	26.9	113	0.00	4.11- 4.71
7	m	1,3-BUTADIENE	1.061	0.793	25.3	116	0.00	4.25- 4.85
8	m	BROMOMETHANE	1.639	1.130	31.1#	75	0.00	4.53- 5.13
9	m	CHLOROETHANE	0.541	0.429	20.7	116	0.00	4.69- 5.29
10	m	TRICHLOROFLUOROMETHANE	6.439	4.491	30.3#	80	0.00	5.48- 6.08
11	m	ISOPROPYL ALCOHOL	2.215	1.405	36.6#	74	0.00	5.51- 6.11
		----------	True	Calc.	% Drift		----------	
12	m	ACETONE	10.000	5.795	42.0#	65	0.00	5.28- 5.88
		----------	AvgRF	CCRF	% Dev		----------	
13	m	PENTANE	1.374	1.001	27.1	80	0.00	5.83- 6.43
14	m	1,1-DICHLOROETHYLENE	1.534	1.195	22.1	84	0.00	6.12- 6.72
15	m	CARBON DISULFIDE	4.484	4.004	10.7	98	0.00	6.55- 7.15
16	m	ETHANOL	0.436	0.273	37.4#	66	0.01	4.79- 5.39
17	m	BROMOETHENE	1.545	1.130	26.9	78	0.00	5.06- 5.66
		----------	True	Calc.	% Drift		----------	
18	m	METHYLENE CHLORIDE	10.000	8.111	18.9	101	0.00	6.23- 6.83
		----------	AvgRF	CCRF	% Dev		----------	
19	m	3-CHLOROPROPENE	1.504	1.358	9.7	102	0.00	6.35- 6.95
20	m	FREON 113	3.508	2.779	20.8	96	0.00	6.49- 7.09
21	m	TRANS-1,2-DICHLOROETHY	1.525	1.489	2.4	124	0.00	7.16- 7.76
22	m	TERTIARY BUTYL ALCOHOL	2.687	2.179	18.9	81	0.00	6.11- 6.71
23	m	METHYL TERTIARY BUTYL	3.462	3.103	10.4	98	0.00	7.39- 7.99
		----------	True	Calc.	% Drift		----------	
24	m	TETRAHYDROFURAN	10.000	8.548	14.5	92	0.00	8.83- 9.43
		----------	AvgRF	CCRF	% Dev		----------	
25	m	HEXANE	1.751	1.774	-1.3	113	0.00	8.35- 8.95
26	m	VINYL ACETATE	2.494	2.349	5.8	94	0.00	7.48- 8.08
27	m	1,1-DICHLOROETHANE	2.696	2.674	0.8	122	0.00	7.35- 7.95
28	m	METHYL ETHYL KETONE	2.187	2.025	7.4	96	0.00	7.72- 8.32
29	m	cis-1,2-DICHLOROETHYLE	1.162	1.254	-7.9	113	0.00	8.16- 8.76
30	m	ETHYL ACETATE	3.385	3.256	3.8	102	0.00	8.35- 8.95

Continuing Calibration Summary

Job Number: M67846
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ246-CC246
Lab FileID: Q4776A.D

31	m	CHLOROFORM	3.662	3.530	3.6	114	0.00	8.44- 9.04
32	m	1,1,1-TRICHLOROETHANE	3.909	3.687	5.7	113	0.00	9.40-10.00
33	m	CARBON TETRACHLORIDE	4.957	4.624	6.7	110	0.00	9.98-10.58
34	m	1,2-DICHLOROETHANE	2.238	2.064	7.8	98	0.00	9.15- 9.75
35	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	101	0.00	10.15-10.75
36	m	BENZENE	0.659	0.683	-3.6	101	0.00	9.84-10.44
37	m	CYCLOHEXANE	0.297	0.350	-17.8	108	0.00	10.10-10.70
38	m	TRICHLOROETHYLENE	0.410	0.445	-8.5	108	0.00	10.83-11.43
39	m	1,2-DICHLOROPROPANE	0.233	0.223	4.3	93	0.00	10.61-11.21
40	m	BROMODICHLOROMETHANE	0.762	0.769	-0.9	104	0.00	10.80-11.40
41	m	2,2,4-TRIMETHYLPENTANE	1.123	1.323	-17.8	114	0.00	10.86-11.46
		----------	True	Calc.	% Drift		----------	
42	m	1,4-DIOXANE	10.000	8.359	16.4	99	0.00	10.79-11.46
		----------	AvgRF	CCRF	% Dev		----------	
43	m	HEPTANE	0.388	0.490	-26.3	117	0.00	11.10-11.70
		----------	True	Calc.	% Drift		----------	
44	m	METHYL ISOBUTYL KETONE	10.000	8.515	14.8	97	0.00	11.66-12.26
		----------	AvgRF	CCRF	% Dev		----------	
45	m	cis-1,3-DICHLOROPROPEN	0.335	0.356	-6.3	91	0.00	11.65-12.25
46	m	TOLUENE	0.460	0.444	3.5	90	0.00	12.61-13.21
		----------	True	Calc.	% Drift		----------	
47	m	trans-1,3-DICHLOROPROP	10.000	8.774	12.3	98	0.00	12.15-12.75
		----------	AvgRF	CCRF	% Dev		----------	
48	m	1,1,2-TRICHLOROETHANE	0.249	0.230	7.6	92	0.00	12.33-12.93
49	I	CHLOROBENZENE-D5	1.000	1.000	0.0	97	0.00	14.39-14.99
		----------	True	Calc.	% Drift		----------	
50	m	2-HEXANONE	10.000	9.327	6.7	103	0.00	12.83-13.43
		----------	AvgRF	CCRF	% Dev		----------	
51	m	TETRACHLOROETHYLENE	0.483	0.517	-7.0	109	0.00	13.74-14.34
52	m	DIBROMOCHLOROMETHANE	0.811	0.804	0.9	96	0.00	13.04-13.64
53	m	1,2-DIBROMOETHANE	0.492	0.504	-2.4	93	0.00	13.29-13.89
54	m	CHLOROBENZENE	0.790	0.774	2.0	95	0.00	14.44-15.04
		----------	True	Calc.	% Drift		----------	
55	m	ETHYLBENZENE	10.000	8.488	15.1	91	0.00	14.82-15.42
56	m	m,p-XYLENE	20.000	16.812	15.9	90	0.00	15.02-15.62
57	m	o-XYLENE	10.000	8.563	14.4	93	0.00	15.51-16.11
58	m	STYRENE	10.000	9.130	8.7	97	0.00	15.39-15.99
59	m	NONANE	10.000	9.753	2.5	106	0.00	15.71-16.31
		----------	AvgRF	CCRF	% Dev		----------	
60	m	BROMOFORM	0.736	0.742	-0.8	95	0.00	15.11-15.71
61	S	4-BROMOFLUOROBENZENE	0.732	0.746	-1.9	95	0.00	16.01-16.61
62	m	1,1,2,2-TETRACHLOROETH	0.693	0.721	-4.0	96	0.00	15.50-16.10
63	m	ISOPROPYLBENZENE	1.381	1.450	-5.0	93	0.00	16.16-16.76
		----------	True	Calc.	% Drift		----------	
64	m	2-CHLOROTOLUENE	10.000	9.343	6.6	114	0.00	16.71-17.31
65	m	4-ETHYLTOLUENE	10.000	8.612	13.9	95	0.00	16.89-17.49
66	m	1,3,5-TRIMETHYLBENZENE	10.000	8.004	20.0	87	0.00	16.98-17.58

Continuing Calibration Summary

Job Number: M67846
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ246-CC246
Lab FileID: Q4776A.D

67	m	1,2,4-TRIMETHYLBENZENE	10.000	9.525	4.7	108	0.00	17.45-18.05
68	m	m-DICHLOROBENZENE	10.000	10.155	-1.5	119	0.00	17.63-18.23
69	m	BENZYL CHLORIDE	10.000	10.309	-3.1	122	0.00	17.61-18.21
70	m	p-DICHLOROBENZENE	10.000	10.687	-6.9	125	0.00	17.70-18.30
71	m	o-DICHLOROBENZENE	10.000	10.663	-6.6	97	0.00	18.09-18.69
		---------- AvgRF	CCRF	% Dev ----------				
72	m	HEXACHLOROBUTADIENE	0.324	0.407	-25.6	114	0.00	20.49-21.09
		---------- True	Calc.	% Drift ----------				
73	m	1,2,4-TRICHLOROBENZENE	10.000	23.243	-132.4#	227	0.00	20.00-20.60
		---------- AvgRF	CCRF	% Dev ----------				
74	m	NAPHTHALENE	----------NA----------					
75		2-METHYLNAPHTHALENE	----------NA----------					
76		1-METHYLNAPHTHALENE	----------NA----------					

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Q4771.D Q100207T.m Wed Oct 03 09:47:15 2007 RPT1

Initial Calibration Verification

Job Number: M67846
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ246-ICV246
Lab FileID: Q4776.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\Q4776.D Vial: 3
Acq On : 2 Oct 2007 6:15 pm Operator: danat
Sample : icv246-10 (M112) Inst : MAMSQ
Misc : MS14329,MSQ246,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\msdchem\1\METHODS\Q100207T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Wed Oct 03 09:29:03 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	113	0.00	8.32- 8.92
2	m	DICHLORODIFLUOROMETHAN	6.218	3.791	39.0#	96	0.00	3.73- 4.33
3	m	PROPYLENE	0.838	0.544	35.1#	99	0.00	3.66- 4.26
4	m	FREON 114	5.178	3.687	28.8	115	0.00	3.99- 4.59
5	m	CHLOROMETHANE	1.161	0.764	34.2#	110	0.00	3.89- 4.49
6	m	VINYL CHLORIDE	1.301	0.951	26.9	113	0.00	4.11- 4.71
7	m	1,3-BUTADIENE	1.061	0.793	25.3	116	0.00	4.25- 4.85
8	m	BROMOMETHANE	1.639	1.130	31.1#	75	0.00	4.53- 5.13
9	m	CHLOROETHANE	0.541	0.429	20.7	116	0.00	4.69- 5.29
10	m	TRICHLOROFLUOROMETHANE	6.439	4.491	30.3#	80	0.00	5.48- 6.08
11	m	ISOPROPYL ALCOHOL	2.215	1.405	36.6#	74	0.00	5.51- 6.11
		----------	True	Calc.	% Drift		----------	
12	m	ACETONE	10.000	5.795	42.0#	65	0.00	5.28- 5.88
		----------	AvgRF	CCRF	% Dev		----------	
13	m	PENTANE	1.374	1.001	27.1	80	0.00	5.83- 6.43
14	m	1,1-DICHLOROETHYLENE	1.534	1.195	22.1	84	0.00	6.12- 6.72
15	m	CARBON DISULFIDE	4.484	4.004	10.7	98	0.00	6.55- 7.15
16	m	ETHANOL	0.436	0.273	37.4#	66	0.01	4.79- 5.39
17	m	BROMOETHENE	1.545	1.130	26.9	78	0.00	5.06- 5.66
		----------	True	Calc.	% Drift		----------	
18	m	METHYLENE CHLORIDE	10.000	8.111	18.9	101	0.00	6.23- 6.83
		----------	AvgRF	CCRF	% Dev		----------	
19	m	3-CHLOROPROPENE	1.504	1.358	9.7	102	0.00	6.35- 6.95
20	m	FREON 113	3.508	2.779	20.8	96	0.00	6.49- 7.09
21	m	TRANS-1,2-DICHLOROETHY	1.525	1.489	2.4	124	0.00	7.16- 7.76
22	m	TERTIARY BUTYL ALCOHOL	2.687	2.179	18.9	81	0.00	6.11- 6.71
23	m	METHYL TERTIARY BUTYL	3.462	3.103	10.4	98	0.00	7.39- 7.99
		----------	True	Calc.	% Drift		----------	
24	m	TETRAHYDROFURAN	10.000	8.548	14.5	92	0.00	8.83- 9.43
		----------	AvgRF	CCRF	% Dev		----------	
25	m	HEXANE	1.751	1.774	-1.3	113	0.00	8.35- 8.95
26	m	VINYL ACETATE	2.494	2.349	5.8	94	0.00	7.48- 8.08
27	m	1,1-DICHLOROETHANE	2.696	2.674	0.8	122	0.00	7.35- 7.95
28	m	METHYL ETHYL KETONE	2.187	2.025	7.4	96	0.00	7.72- 8.32
29	m	cis-1,2-DICHLOROETHYLE	1.162	1.254	-7.9	113	0.00	8.16- 8.76
30	m	ETHYL ACETATE	3.385	3.256	3.8	102	0.00	8.35- 8.95

Initial Calibration Verification

Job Number: M67846
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ246-ICV246
Lab FileID: Q4776.D

31	m	CHLOROFORM	3.662	3.530	3.6	114	0.00	8.44- 9.04
32	m	1,1,1-TRICHLOROETHANE	3.909	3.687	5.7	113	0.00	9.40-10.00
33	m	CARBON TETRACHLORIDE	4.957	4.624	6.7	110	0.00	9.98-10.58
34	m	1,2-DICHLOROETHANE	2.238	2.064	7.8	98	0.00	9.15- 9.75
35	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	101	0.00	10.15-10.75
36	m	BENZENE	0.659	0.683	-3.6	101	0.00	9.84-10.44
37	m	CYCLOHEXANE	0.297	0.350	-17.8	108	0.00	10.10-10.70
38	m	TRICHLOROETHYLENE	0.410	0.445	-8.5	108	0.00	10.83-11.43
39	m	1,2-DICHLOROPROPANE	0.233	0.223	4.3	93	0.00	10.61-11.21
40	m	BROMODICHLOROMETHANE	0.762	0.769	-0.9	104	0.00	10.80-11.40
41	m	2,2,4-TRIMETHYLPENTANE	1.123	1.323	-17.8	114	0.00	10.86-11.46
		----------	True	Calc.	% Drift		----------	
42	m	1,4-DIOXANE	10.000	8.359	16.4	99	0.00	10.79-11.46
		----------	AvgRF	CCRF	% Dev		----------	
43	m	HEPTANE	0.388	0.490	-26.3	117	0.00	11.10-11.70
		----------	True	Calc.	% Drift		----------	
44	m	METHYL ISOBUTYL KETONE	10.000	8.515	14.8	97	0.00	11.66-12.26
		----------	AvgRF	CCRF	% Dev		----------	
45	m	cis-1,3-DICHLOROPROPEN	0.335	0.356	-6.3	91	0.00	11.65-12.25
46	m	TOLUENE	0.460	0.444	3.5	90	0.00	12.61-13.21
		----------	True	Calc.	% Drift		----------	
47	m	trans-1,3-DICHLOROPROP	10.000	8.774	12.3	98	0.00	12.15-12.75
		----------	AvgRF	CCRF	% Dev		----------	
48	m	1,1,2-TRICHLOROETHANE	0.249	0.230	7.6	92	0.00	12.33-12.93
49	I	CHLOROBENZENE-D5	1.000	1.000	0.0	97	0.00	14.39-14.99
		----------	True	Calc.	% Drift		----------	
50	m	2-HEXANONE	10.000	9.327	6.7	103	0.00	12.83-13.43
		----------	AvgRF	CCRF	% Dev		----------	
51	m	TETRACHLOROETHYLENE	0.483	0.517	-7.0	109	0.00	13.74-14.34
52	m	DIBROMOCHLOROMETHANE	0.811	0.804	0.9	96	0.00	13.04-13.64
53	m	1,2-DIBROMOETHANE	0.492	0.504	-2.4	93	0.00	13.29-13.89
54	m	CHLOROBENZENE	0.790	0.774	2.0	95	0.00	14.44-15.04
		----------	True	Calc.	% Drift		----------	
55	m	ETHYLBENZENE	10.000	8.488	15.1	91	0.00	14.82-15.42
56	m	m,p-XYLENE	20.000	16.812	15.9	90	0.00	15.02-15.62
57	m	o-XYLENE	10.000	8.563	14.4	93	0.00	15.51-16.11
58	m	STYRENE	10.000	9.130	8.7	97	0.00	15.39-15.99
59	m	NONANE	10.000	9.753	2.5	106	0.00	15.71-16.31
		----------	AvgRF	CCRF	% Dev		----------	
60	m	BROMOFORM	0.736	0.742	-0.8	95	0.00	15.11-15.71
61	S	4-BROMOFLUOROBENZENE	0.732	0.746	-1.9	95	0.00	16.01-16.61
62	m	1,1,2,2-TETRACHLOROETH	0.693	0.721	-4.0	96	0.00	15.50-16.10
63	m	ISOPROPYLBENZENE	1.381	1.450	-5.0	93	0.00	16.16-16.76
		----------	True	Calc.	% Drift		----------	
64	m	2-CHLOROTOLUENE	10.000	9.343	6.6	114	0.00	16.71-17.31
65	m	4-ETHYLTOLUENE	10.000	8.612	13.9	95	0.00	16.89-17.49
66	m	1,3,5-TRIMETHYLBENZENE	10.000	8.004	20.0	87	0.00	16.98-17.58

Initial Calibration Verification

Job Number: M67846
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ246-ICV246
Lab FileID: Q4776.D

```
67 m   1,2,4-TRIMETHYLBENZENE  10.000   9.525      4.7  108   0.00   17.45-18.05
68 m   m-DICHLOROBENZENE       10.000  10.155     -1.5  119   0.00   17.63-18.23
69 m   BENZYL CHLORIDE         10.000  10.309     -3.1  122   0.00   17.61-18.21
70 m   p-DICHLOROBENZENE       10.000  10.687     -6.9  125   0.00   17.70-18.30
71 m   o-DICHLOROBENZENE       10.000  10.663     -6.6   97   0.00   18.09-18.69

           ----------------------- AvgRF   CCRF     % Dev   -------------
72 m   HEXACHLOROBUTADIENE      0.324   0.407    -25.6  114   0.00   20.49-21.09

           ----------------------- True    Calc.   % Drift  ------------
73 m   1,2,4-TRICHLOROBENZENE  10.000  23.243    -132.4# 227   0.00   20.00-20.60

           ----------------------- AvgRF   CCRF     % Dev   -------------
74 m   NAPHTHALENE                        ----------NA----------
75     2-METHYLNAPHTHALENE                ----------NA----------
76     1-METHYLNAPHTHALENE                ----------NA----------
-------------------------------------------------------------------------------
-------------------------------------------------------------------------------

   (#) = Out of Range               SPCC's out = 0  CCC's out = 0
    Q4771.D    Q100207T.m       Wed Oct 03 09:43:48 2007   RPT1
```

GC/MS Volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4779.D
Acq On : 2 Oct 2007 8:28 pm
Operator : danat
Sample : m67846-1 (M024)
Misc : MS14329,MSQ246,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 03 09:52:51 2007
Quant Method : C:\msdchem\1\METHODS\Q100207T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Oct 02 15:54:08 2007
Response via : Initial Calibration

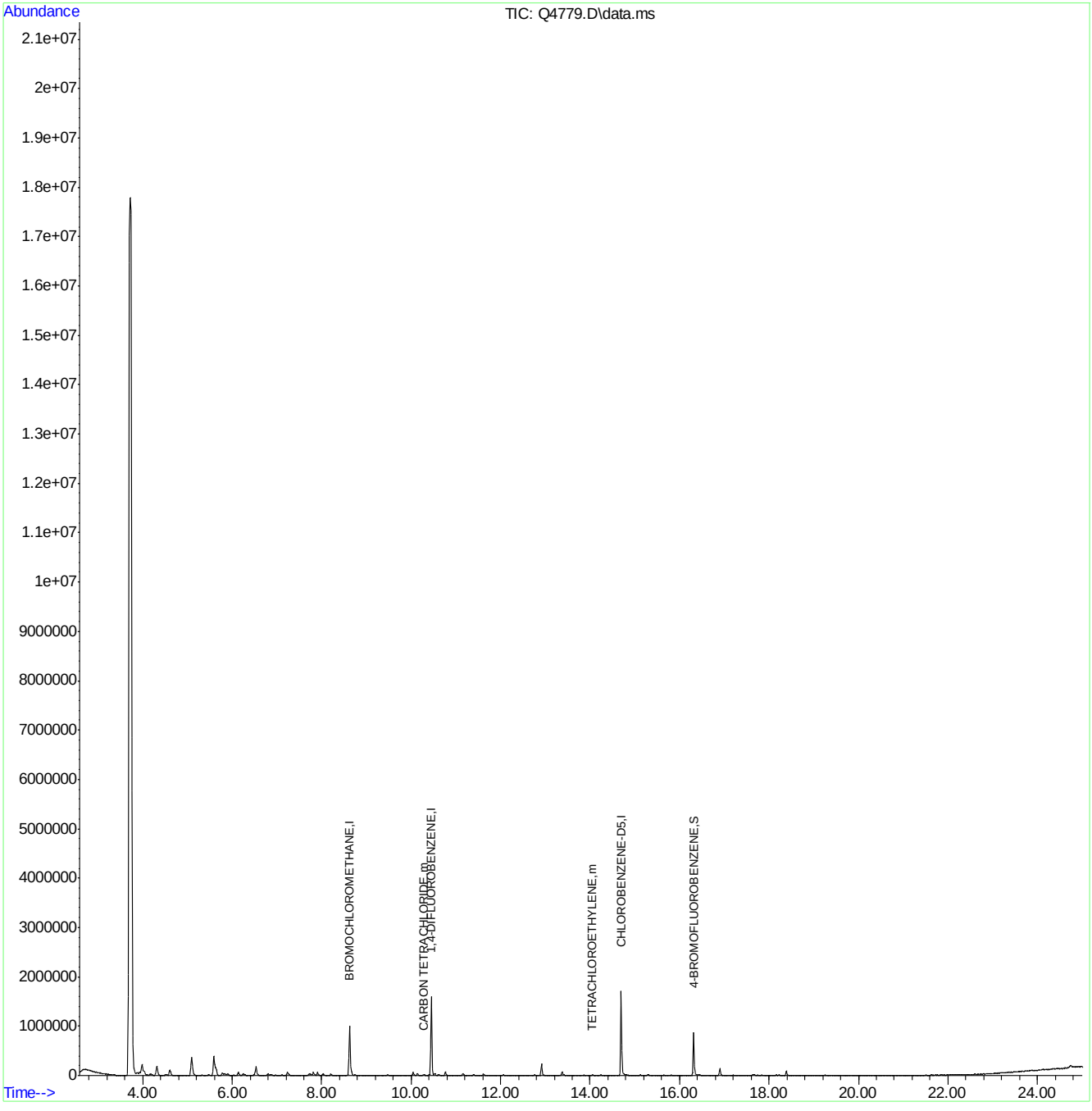
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.623	128	253802	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.449	114	1057564	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.693	117	854403	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.315	95	270657	4.33	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 86.60%			
Target Compounds						Qvalue
33) CARBON TETRACHLORIDE	10.275	117	12341	0.10	PPBV	98
51) TETRACHLOROETHYLENE	14.050	164	3181	0.08	PPBV	90

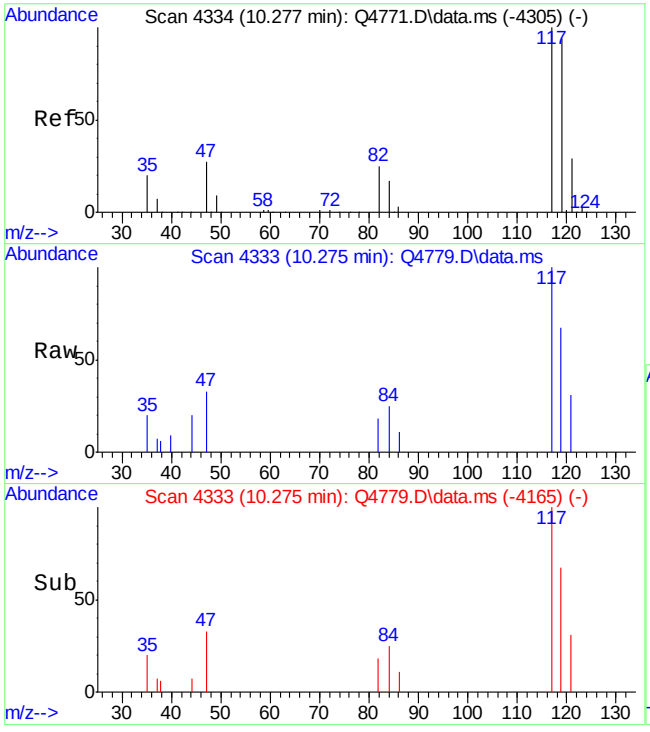
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4779.D
Acq On : 2 Oct 2007 8:28 pm
Operator : danat
Sample : m67846-1 (M024)
Misc : MS14329,MSQ246,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 03 09:52:51 2007
Quant Method : C:\msdchem\1\METHODS\Q100207T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Oct 02 15:54:08 2007
Response via : Initial Calibration

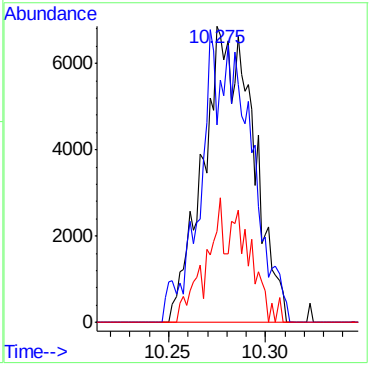


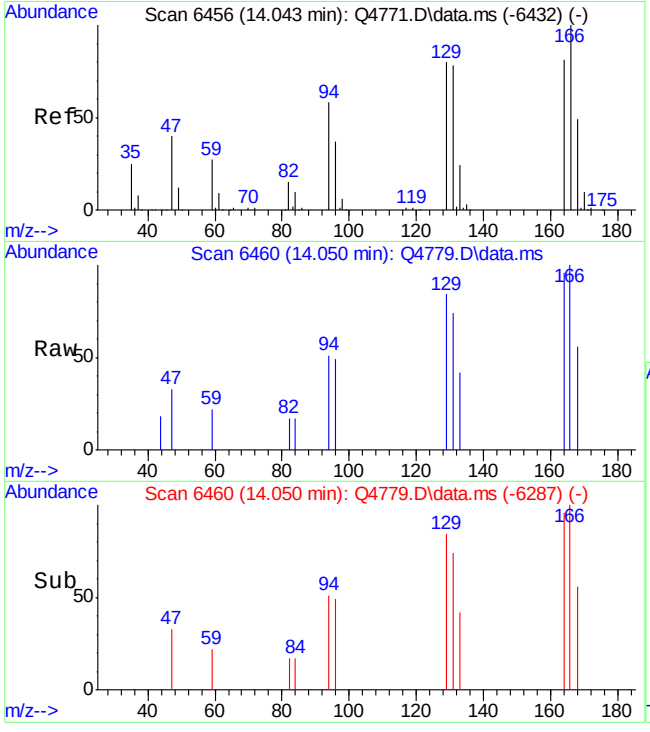


#33
CARBON TETRACHLORIDE
Concen: 0.10 PPBV
RT: 10.275 min Scan# 4333
Delta R.T. -0.002 min
Lab File: Q4779.D
Acq: 2 Oct 2007 8:28 pm

Tgt Ion:117 Resp: 12341

Ion	Ratio	Lower	Upper
117	100		
119	95.3	76.6	116.6
121	33.1	10.7	50.7

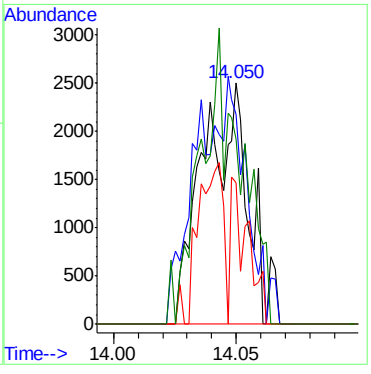




#51
TETRACHLOROETHYLENE
Concen: 0.08 PPBV
RT: 14.050 min Scan# 6460
Delta R.T. 0.007 min
Lab File: Q4779.D
Acq: 2 Oct 2007 8:28 pm

Tgt Ion:164 Resp: 3181

Ion	Ratio	Lower	Upper
164	100		
129	114.1	81.9	121.9
168	60.3	41.6	81.6
131	110.9	77.2	117.2



Manual Integrations APPROVED (compounds with "m" flag)
Philip Bassignani 10/03/07 13:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4780.D
Acq On : 2 Oct 2007 9:10 pm
Operator : danat
Sample : m67846-2 (M001)
Misc : MS14329,MSQ246,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 03 10:05:43 2007
Quant Method : C:\msdchem\1\METHODS\Q100207T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Oct 03 09:29:03 2007
Response via : Initial Calibration

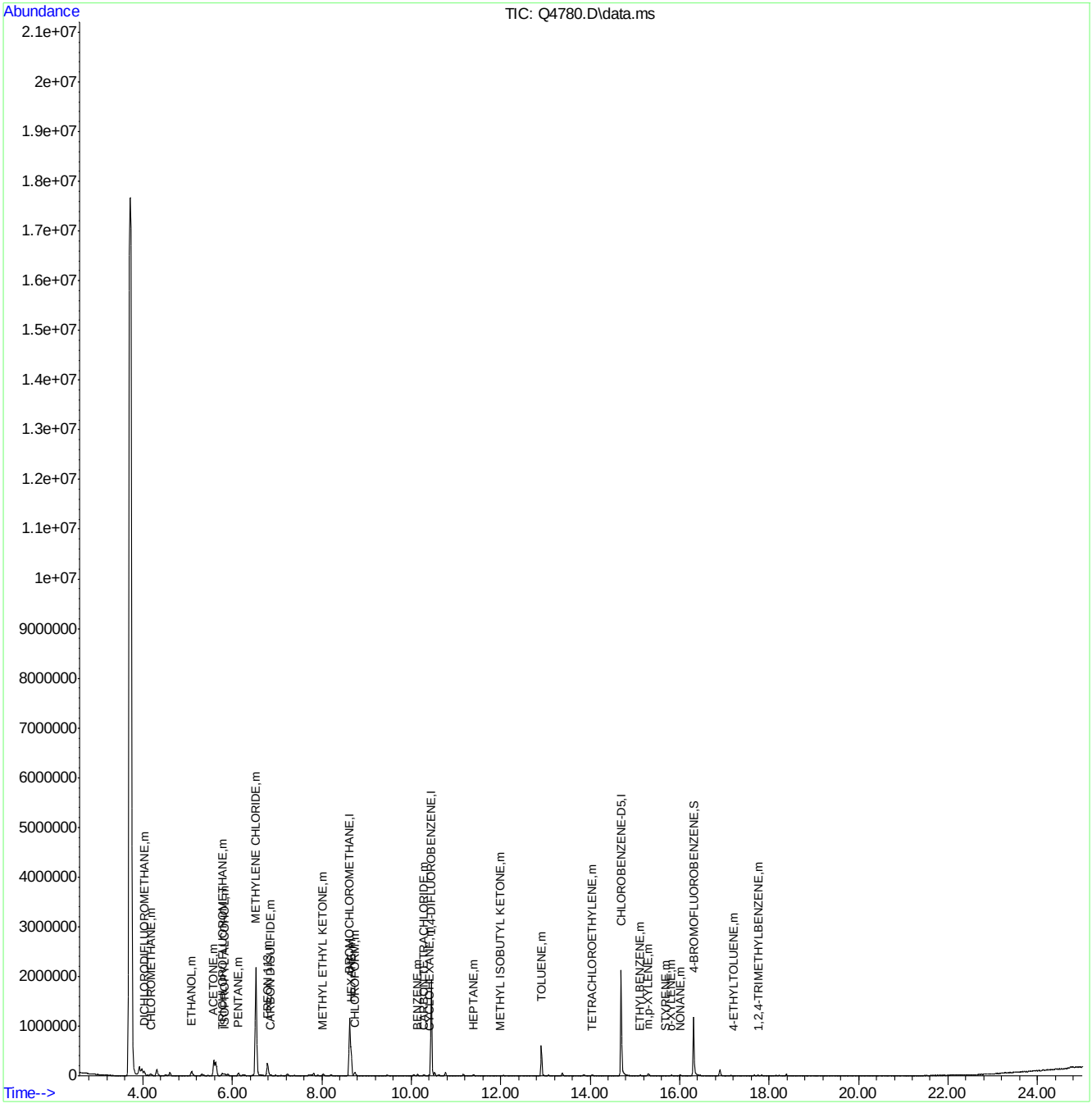
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.624	128	280857	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.449	114	1294737	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.694	117	1103898	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.313	95	365535	4.53	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 90.60%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.030	85	103092	0.59	PPBV	99
5) CHLOROMETHANE	4.186	50	20483	0.63	PPBV	79
10) TRICHLOROFLUOROMETHANE	5.783	101	47937	0.27	PPBV	98
11) ISOPROPYL ALCOHOL	5.827	45	47055	0.76	PPBV	90
12) ACETONE	5.586	43	591135	9.49	PPBV	96
13) PENTANE	6.134	42	25188	0.65	PPBV	95
15) CARBON DISULFIDE	6.851	76	25205	0.20	PPBV	81
16) ETHANOL	5.087	45	133652	10.91	PPBV	99
18) METHYLENE CHLORIDE	6.528	84	1025923	29.55	PPBV	97
20) FREON 113	6.789	151	93694	0.95	PPBV	97
25) HEXANE	8.658	57	190619	3.88	PPBV	96
28) METHYL ETHYL KETONE	8.032	43	42663	0.69	PPBV	94
31) CHLOROFORM	8.745	83	51085	0.50	PPBV	99
33) CARBON TETRACHLORIDE	10.277	117	13771	0.10	PPBV	98
36) BENZENE	10.138	78	25717	0.30	PPBV	98
37) CYCLOHEXANE	10.397	84	4728	0.12	PPBV	87
43) HEPTANE	11.397	43	6355	0.13	PPBV	95
44) METHYL ISOBUTYL KETONE	11.975	43	1942	0.56	PPBV #	70
46) TOLUENE	12.912	92	202705	3.40	PPBV	98
51) TETRACHLOROETHYLENE	14.041	164	3406	0.06	PPBV	95
55) ETHYLBENZENE	15.122	91	11621	0.58	PPBV	99
56) m,p-XYLENE	15.289	106	12735m	1.15	PPBV	
57) o-XYLENE	15.816	106	4325	0.57	PPBV #	1
58) STYRENE	15.693	104	1603	0.59	PPBV #	51
59) NONANE	16.023	43	4321	0.46	PPBV	84
65) 4-ETHYLTOLUENE	17.197	105	2535	0.60	PPBV #	62
67) 1,2,4-TRIMETHYLBENZENE	17.752	105	3974	0.70	PPBV	86

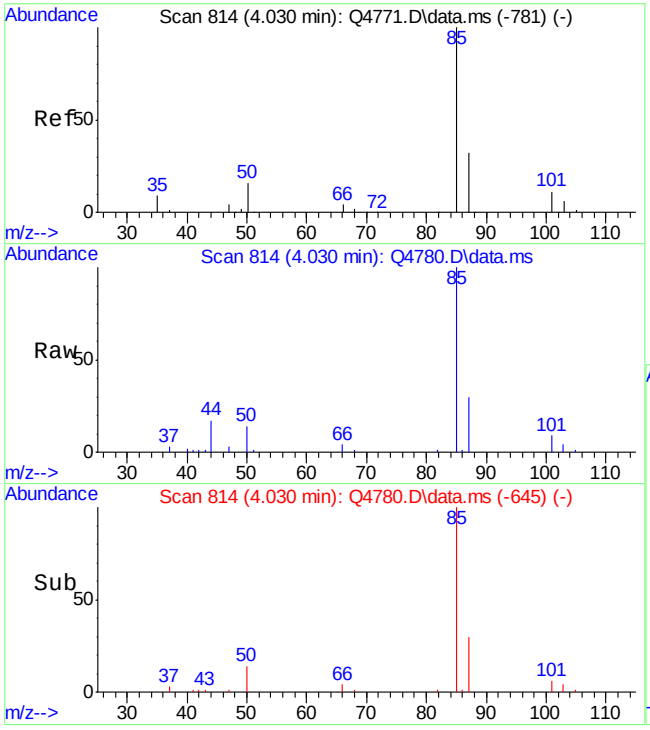
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4780.D
Acq On : 2 Oct 2007 9:10 pm
Operator : danat
Sample : m67846-2 (M001)
Misc : MS14329,MSQ246,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 03 10:05:43 2007
Quant Method : C:\msdchem\1\METHODS\Q100207T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Oct 03 09:29:03 2007
Response via : Initial Calibration

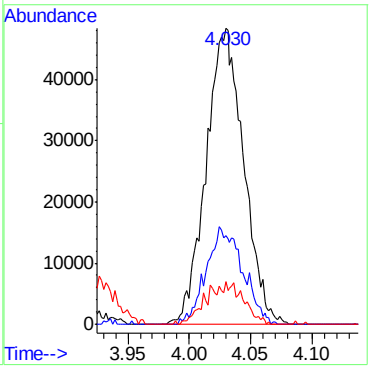


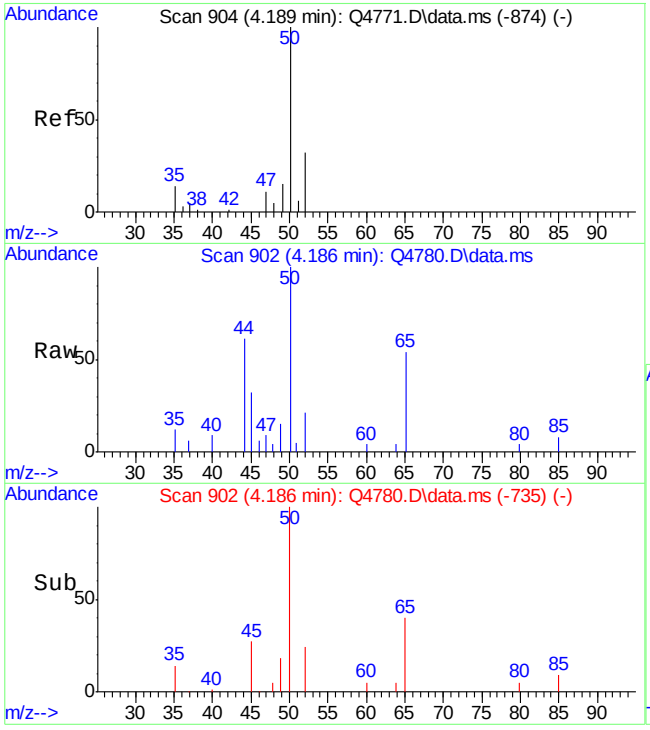


#2
DICHLORODIFLUOROMETHANE
Concen: 0.59 PPBV
RT: 4.030 min Scan# 814
Delta R.T. -0.000 min
Lab File: Q4780.D
Acq: 2 Oct 2007 9:10 pm

Tgt Ion: 85 Resp: 103092

Ion	Ratio	Lower	Upper
85	100		
87	32.0	12.3	52.3
50	14.1	0.0	34.5

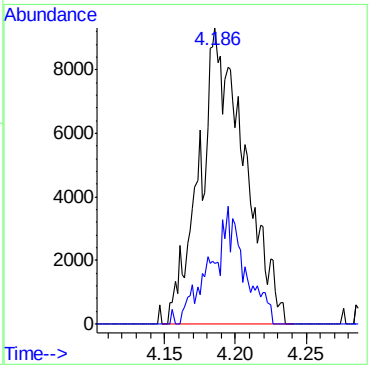


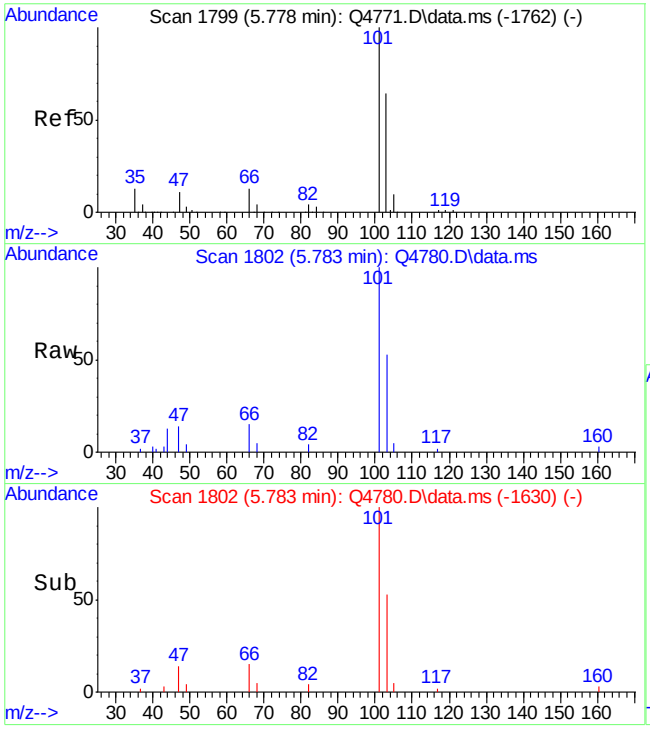


#5
CHLOROMETHANE
Concen: 0.63 PPBV
RT: 4.186 min Scan# 902
Delta R.T. -0.004 min
Lab File: Q4780.D
Acq: 2 Oct 2007 9:10 pm

Tgt Ion: 50 Resp: 20483

Ion	Ratio	Lower	Upper
50	100		
52	20.6	12.7	52.7

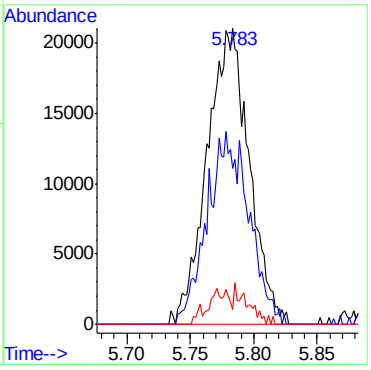


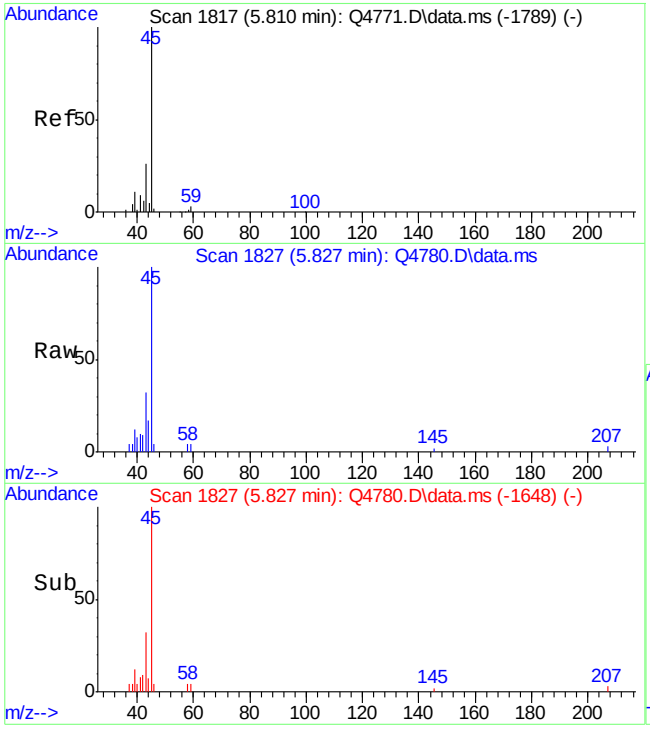


#10
TRICHLOROFLUOROMETHANE
Concen: 0.27 PPBV
RT: 5.783 min Scan# 1802
Delta R.T. 0.005 min
Lab File: Q4780.D
Acq: 2 Oct 2007 9:10 pm

Tgt Ion:101 Resp: 47937

Ion	Ratio	Lower	Upper
101	100		
103	64.2	44.5	84.5
105	5.6	0.0	30.2

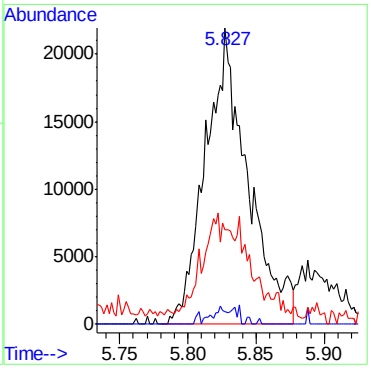


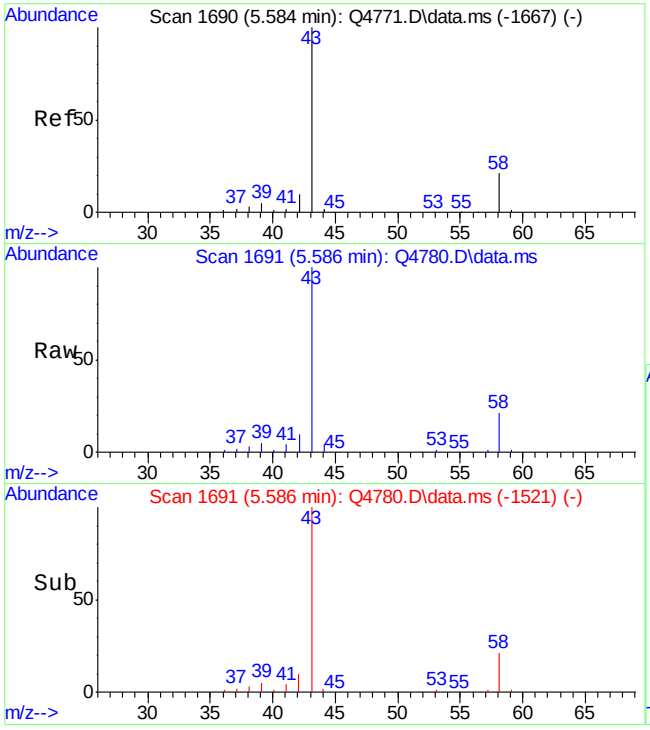


#11
ISOPROPYL ALCOHOL
Concen: 0.76 PPBV
RT: 5.827 min Scan# 1827
Delta R.T. 0.018 min
Lab File: Q4780.D
Acq: 2 Oct 2007 9:10 pm

Tgt Ion: 45 Resp: 47055

Ion	Ratio	Lower	Upper
45	100		
59	4.3	0.0	23.1
43	32.0	6.3	46.3

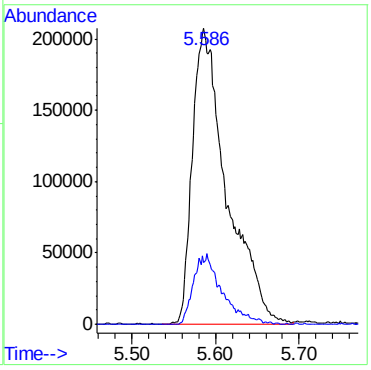


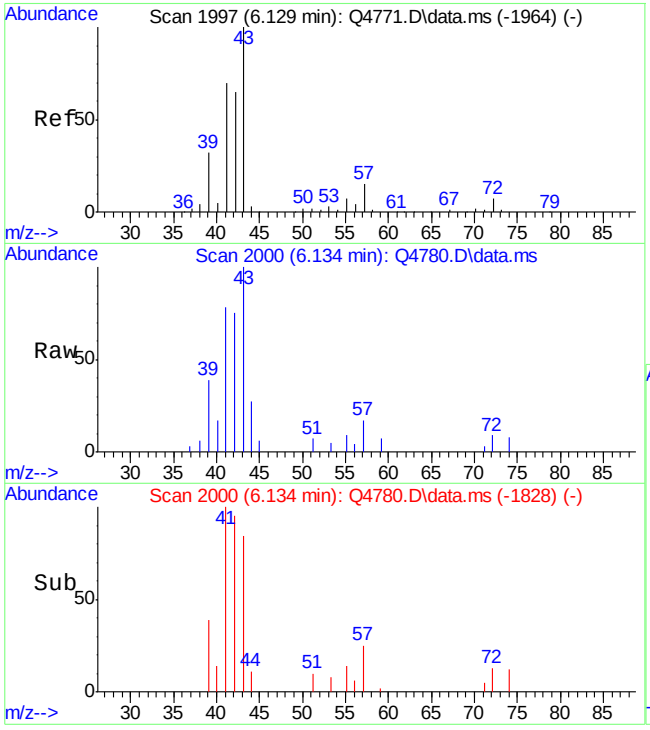


#12
ACETONE
Concen: 9.49 PPBV
RT: 5.586 min Scan# 1691
Delta R.T. 0.002 min
Lab File: Q4780.D
Acq: 2 Oct 2007 9:10 pm

Tgt Ion: 43 Resp: 591135

Ion	Ratio	Lower	Upper
43	100		
58	19.9	1.6	41.6

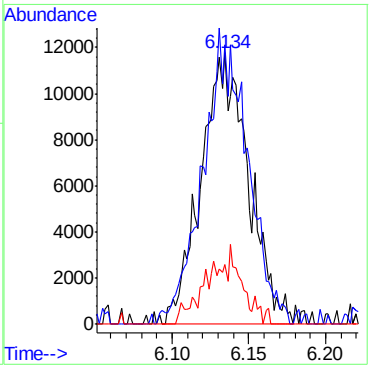


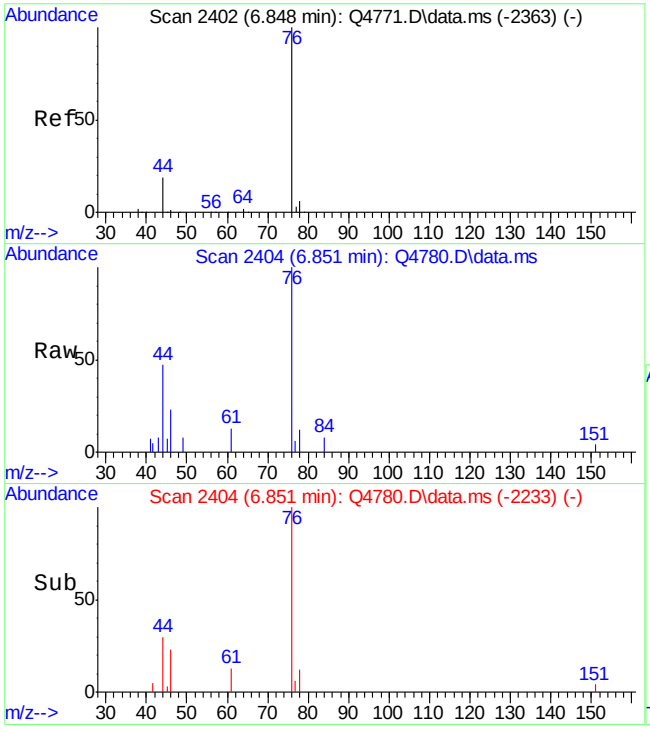


#13
PENTANE
Concen: 0.65 PPBV
RT: 6.134 min Scan# 2000
Delta R.T. 0.005 min
Lab File: Q4780.D
Acq: 2 Oct 2007 9:10 pm

Tgt Ion: 42 Resp: 25188

Ion	Ratio	Lower	Upper
42	100		
41	102.5	87.5	127.5
57	21.1	3.7	43.7

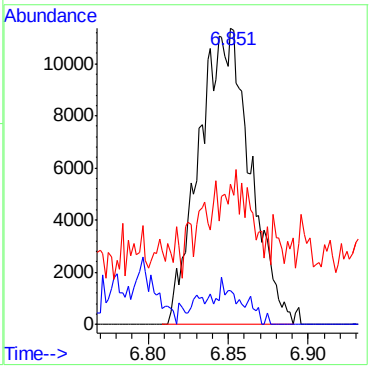


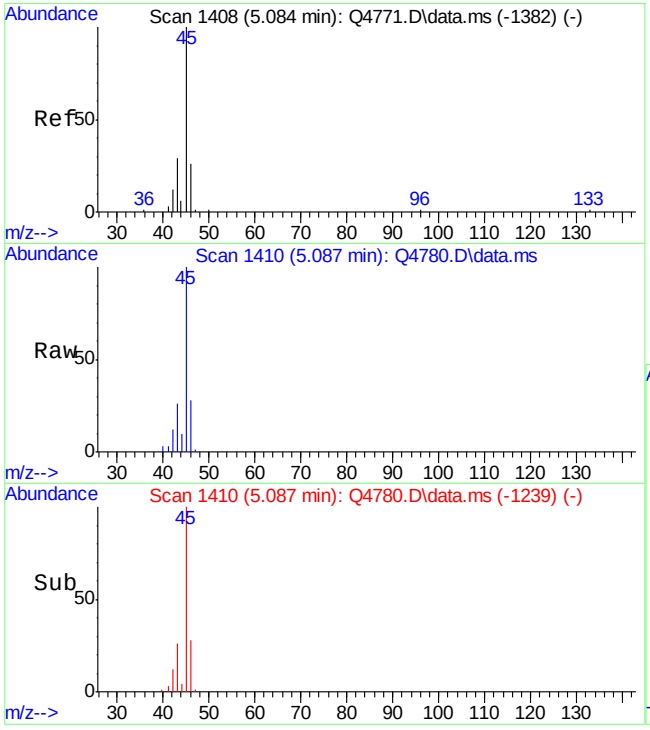


#15
CARBON DISULFIDE
Concen: 0.20 PPBV
RT: 6.851 min Scan# 2404
Delta R.T. 0.003 min
Lab File: Q4780.D
Acq: 2 Oct 2007 9:10 pm

Tgt Ion: 76 Resp: 25205

Ion	Ratio	Lower	Upper
76	100		
78	6.7	0.0	29.1
44	30.4	0.0	39.4

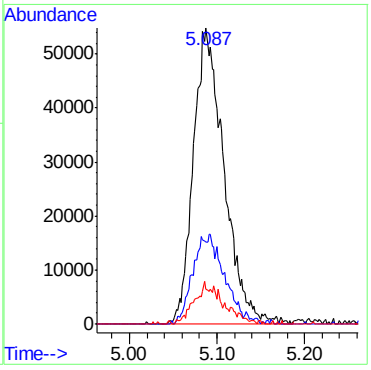




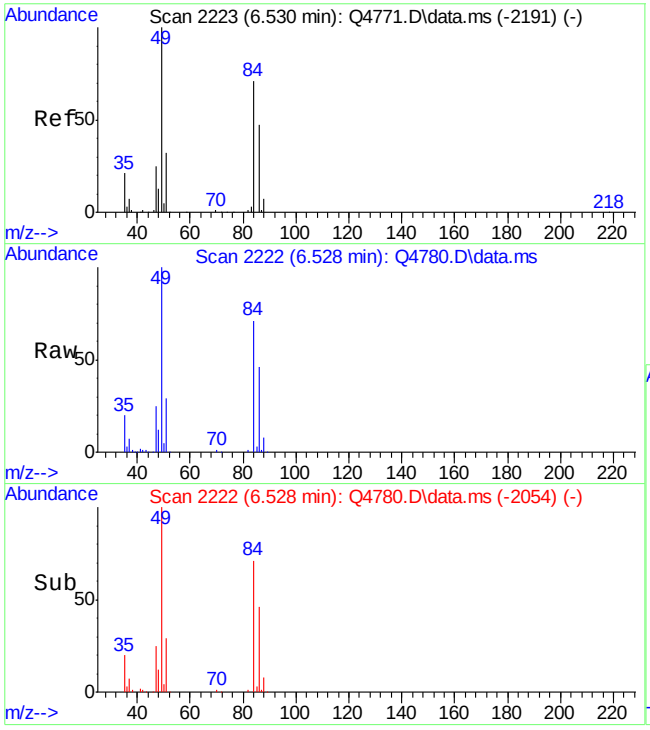
#16
ETHANOL
Concen: 10.91 PPBV
RT: 5.087 min Scan# 1410
Delta R.T. 0.003 min
Lab File: Q4780.D
Acq: 2 Oct 2007 9:10 pm

Tgt Ion: 45 Resp: 133652

Ion	Ratio	Lower	Upper
45	100		
46	31.3	10.9	50.9
42	13.3	0.0	33.0



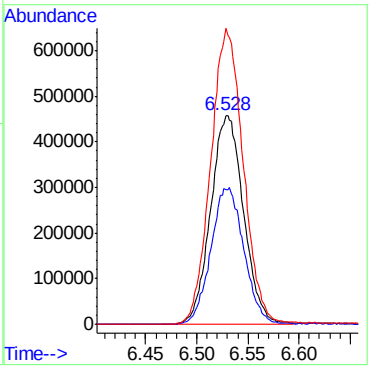
ACCUTEST Laboratories M67846

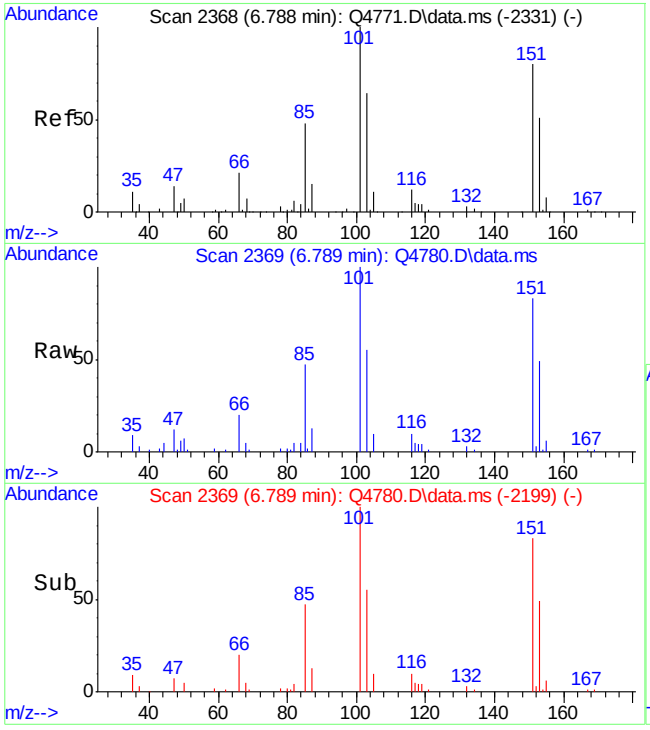


#18
METHYLENE CHLORIDE
Concen: 29.55 PPBV
RT: 6.528 min Scan# 2222
Delta R.T. -0.002 min
Lab File: Q4780.D
Acq: 2 Oct 2007 9:10 pm

Tgt Ion: 84 Resp: 1025923

Ion	Ratio	Lower	Upper
84	100		
86	65.7	45.3	85.3
49	140.6	0.0	345.1

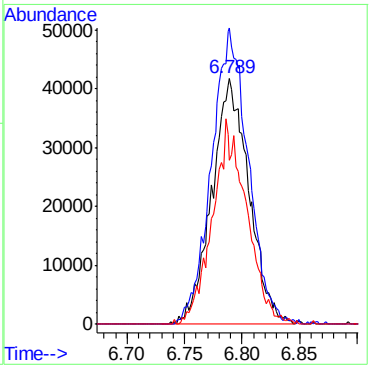


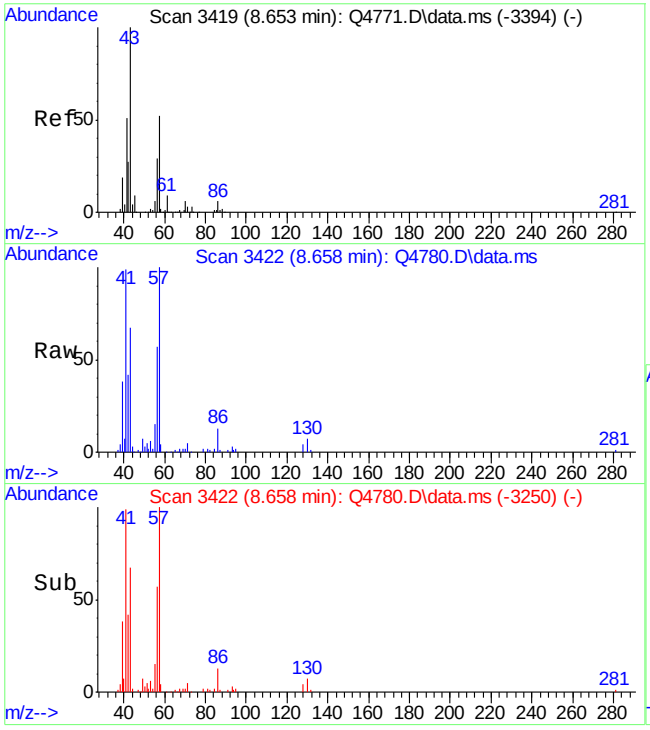


#20
FREON 113
Concen: 0.95 PPBV
RT: 6.789 min Scan# 2369
Delta R.T. 0.002 min
Lab File: Q4780.D
Acq: 2 Oct 2007 9:10 pm

Tgt Ion:151 Resp: 93694

Ion	Ratio	Lower	Upper
151	100		
101	119.6	103.1	143.1
103	76.4	58.5	98.5

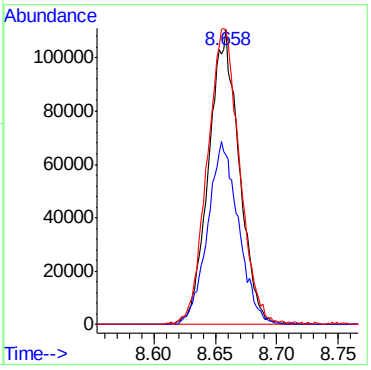


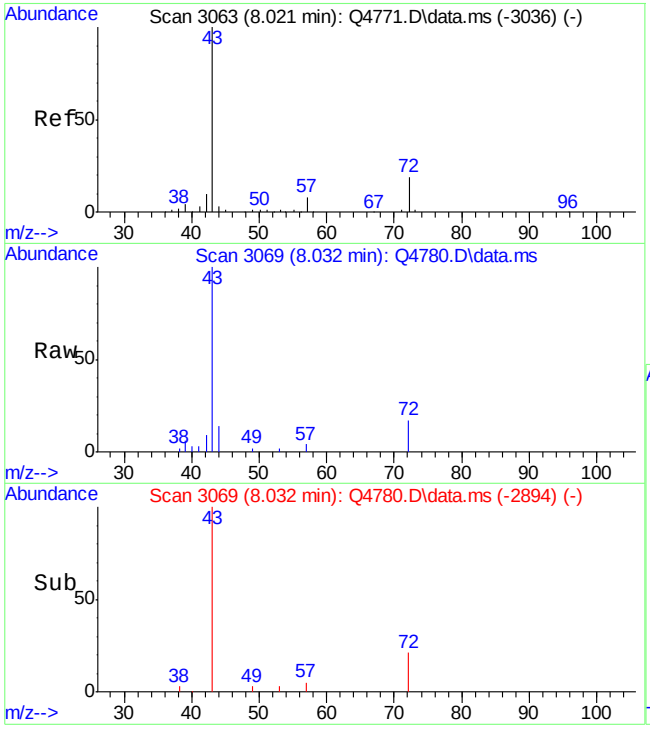


#25
HEXANE
Concen: 3.88 PPBV
RT: 8.658 min Scan# 3422
Delta R.T. 0.005 min
Lab File: Q4780.D
Acq: 2 Oct 2007 9:10 pm

Tgt Ion: 57 Resp: 190619

Ion	Ratio	Lower	Upper
57	100		
56	63.0	37.5	77.5
41	107.2	85.1	125.1

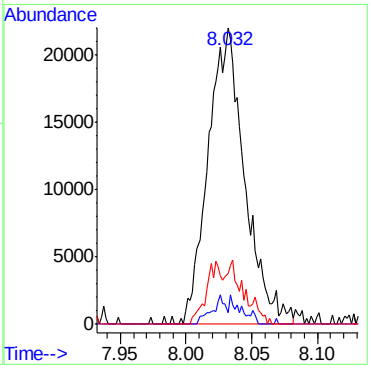


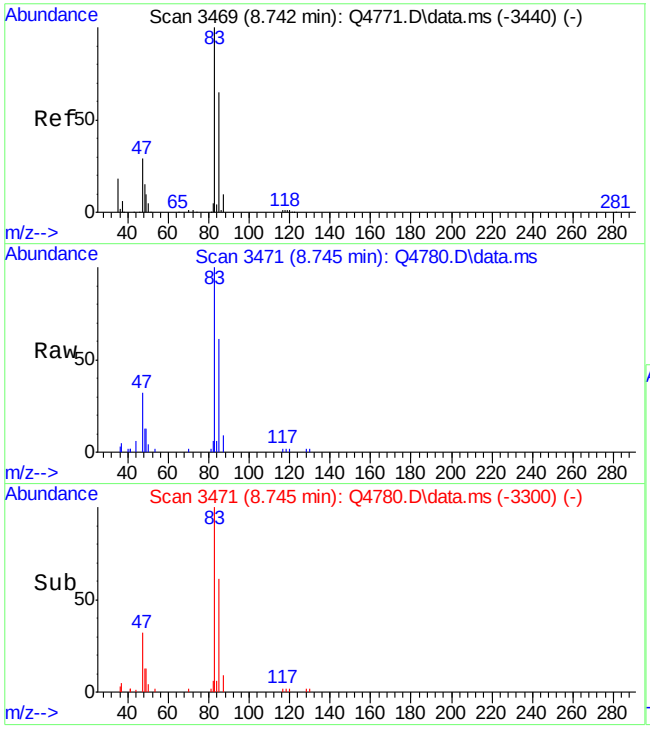


#28
METHYL ETHYL KETONE
Concen: 0.69 PPBV
RT: 8.032 min Scan# 3069
Delta R.T. 0.011 min
Lab File: Q4780.D
Acq: 2 Oct 2007 9:10 pm

Tgt Ion: 43 Resp: 42663

Ion	Ratio	Lower	Upper
43	100		
57	4.0	0.0	27.7
72	17.1	0.0	39.3

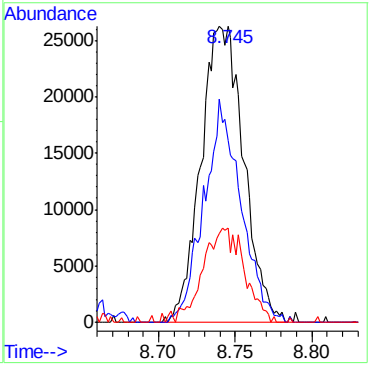


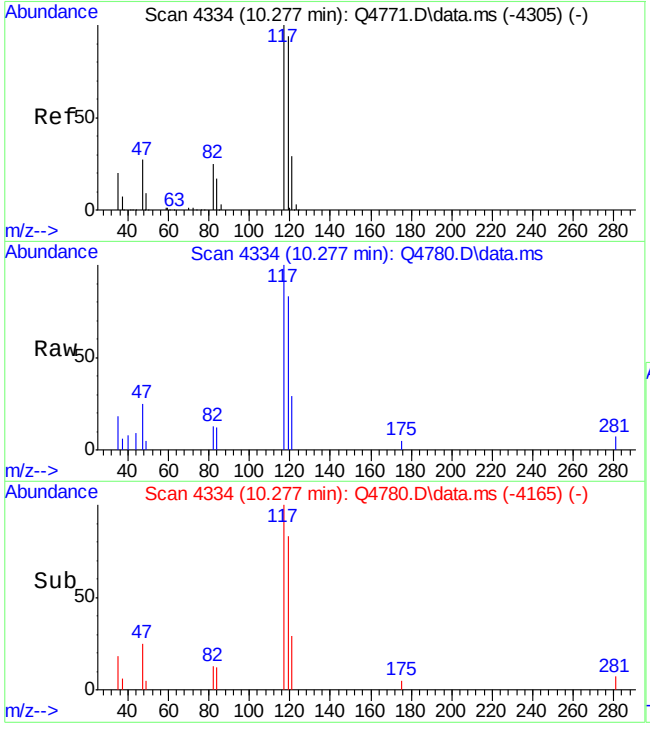


#31
CHLOROFORM
Concen: 0.50 PPBV
RT: 8.745 min Scan# 3471
Delta R.T. 0.003 min
Lab File: Q4780.D
Acq: 2 Oct 2007 9:10 pm

Tgt Ion: 83 Resp: 51085

Ion	Ratio	Lower	Upper
83	100		
85	64.7	45.0	85.0
47	31.2	10.2	50.2

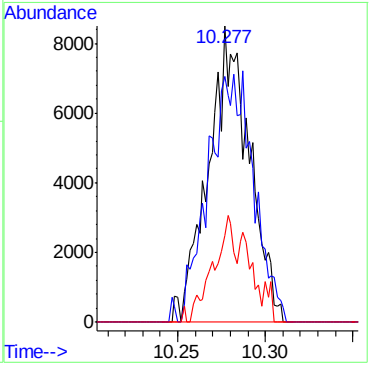


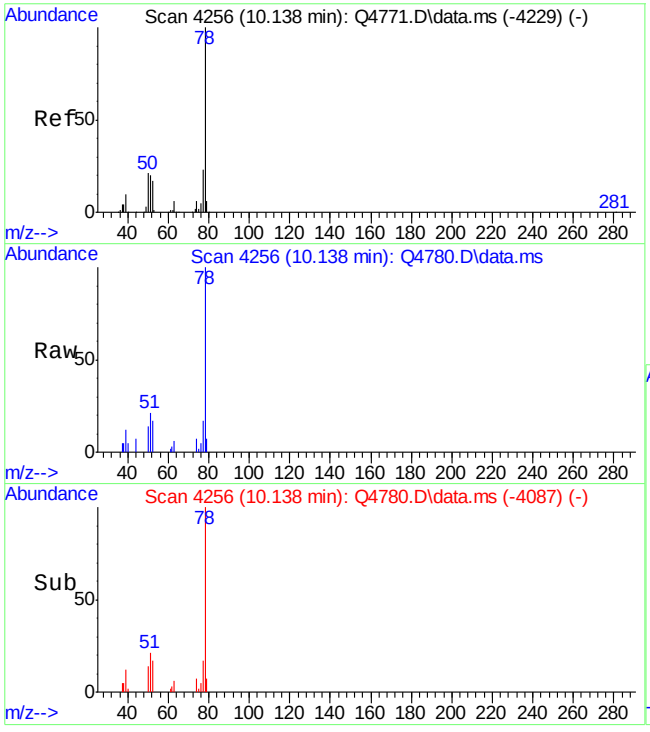


#33
CARBON TETRACHLORIDE
Concen: 0.10 PPBV
RT: 10.277 min Scan# 4334
Delta R.T. -0.000 min
Lab File: Q4780.D
Acq: 2 Oct 2007 9:10 pm

Tgt Ion:117 Resp: 13771

Ion	Ratio	Lower	Upper
117	100		
119	94.1	76.6	116.6
121	31.3	10.7	50.7

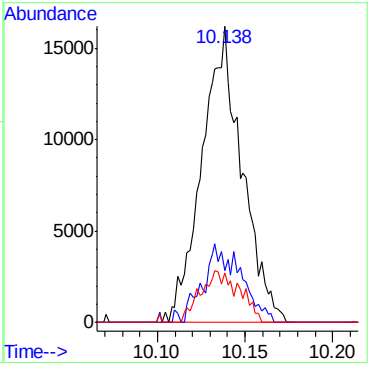


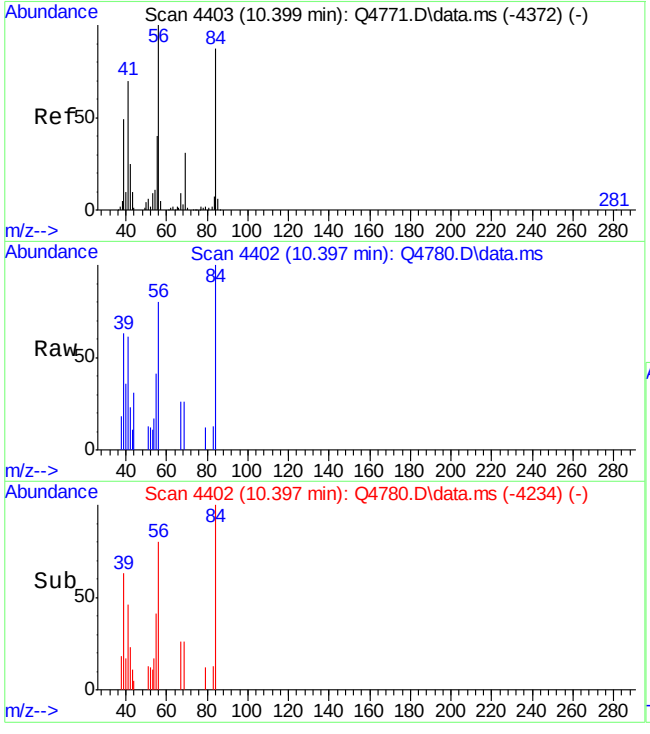


#36
BENZENE
Concen: 0.30 PPBV
RT: 10.138 min Scan# 4256
Delta R.T. -0.000 min
Lab File: Q4780.D
Acq: 2 Oct 2007 9:10 pm

Tgt Ion: 78 Resp: 25717

Ion	Ratio	Lower	Upper
78	100		
77	25.1	4.0	44.0
52	16.7	0.0	37.0

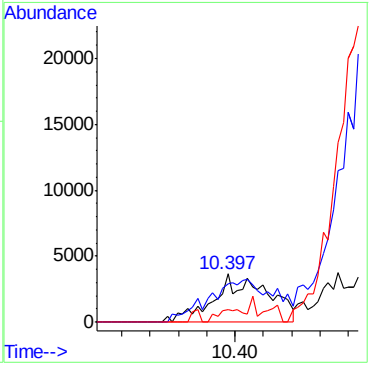




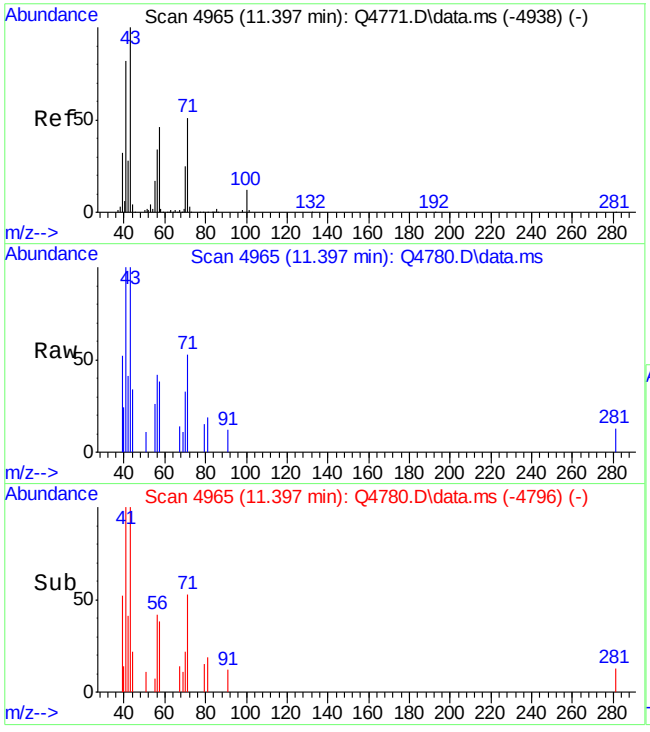
#37
CYCLOHEXANE
Concen: 0.12 PPBV
RT: 10.397 min Scan# 4402
Delta R.T. -0.002 min
Lab File: Q4780.D
Acq: 2 Oct 2007 9:10 pm

Tgt Ion: 84 Resp: 4728

Ion	Ratio	Lower	Upper
84	100		
56	109.7	105.7	145.7
69	31.8	18.0	58.0



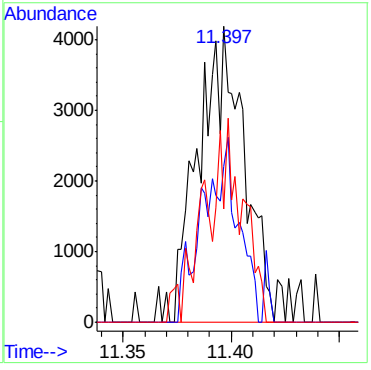
ACCUTEST Laboratories M67846

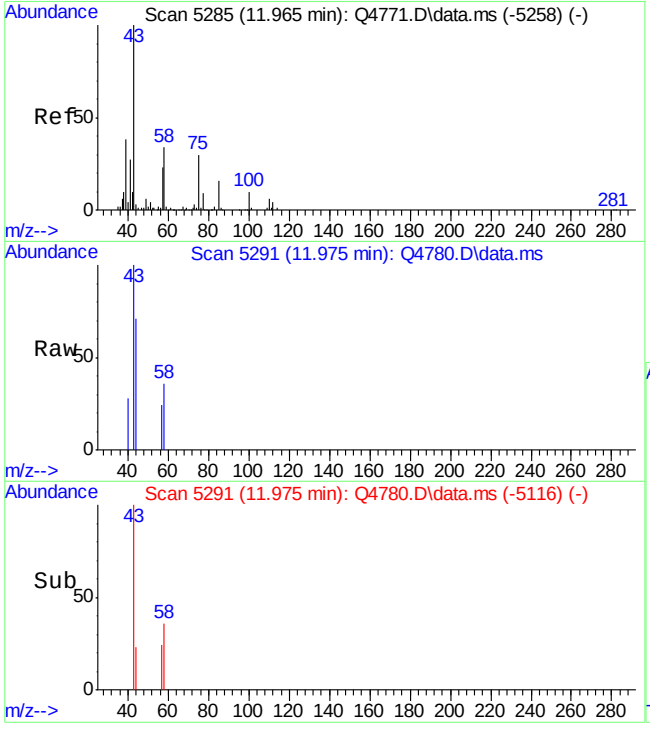


#43
HEPTANE
Concen: 0.13 PPBV
RT: 11.397 min Scan# 4965
Delta R.T. -0.000 min
Lab File: Q4780.D
Acq: 2 Oct 2007 9:10 pm

Tgt Ion: 43 Resp: 6355

Ion	Ratio	Lower	Upper
43	100		
71	49.2	30.8	70.8
57	54.8	29.0	69.0

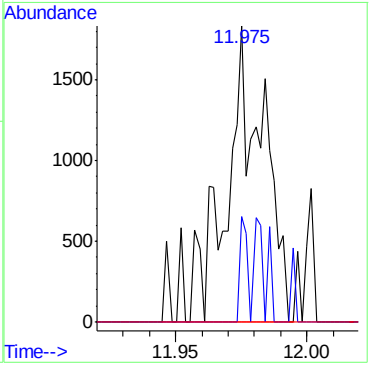


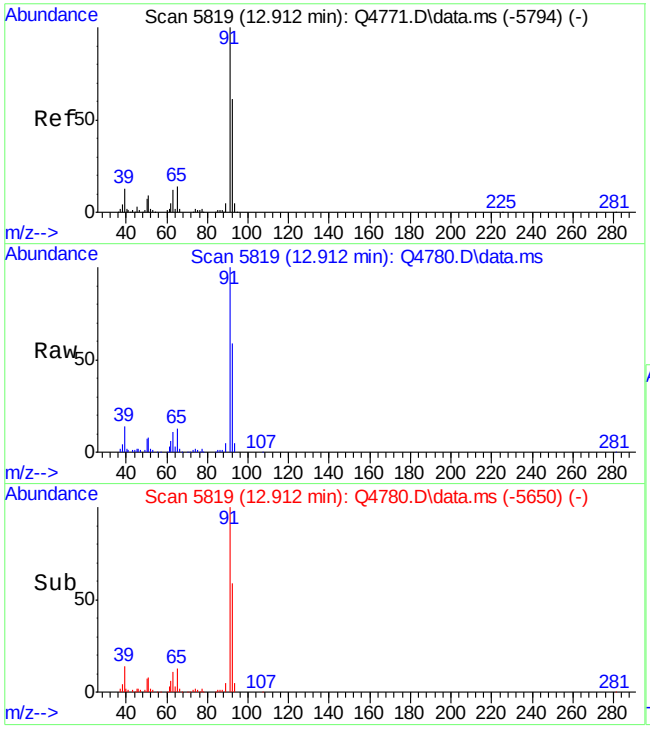


#44
METHYL ISOBUTYL KETONE
Concen: 0.56 PPBV
RT: 11.975 min Scan# 5291
Delta R.T. 0.011 min
Lab File: Q4780.D
Acq: 2 Oct 2007 9:10 pm

Tgt Ion: 43 Resp: 1942

Ion	Ratio	Lower	Upper
43	100		
58	16.7	14.5	54.5
100	0.0	0.0	30.4

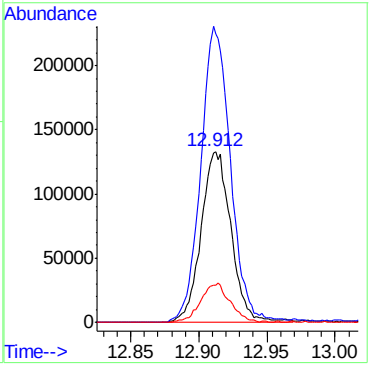


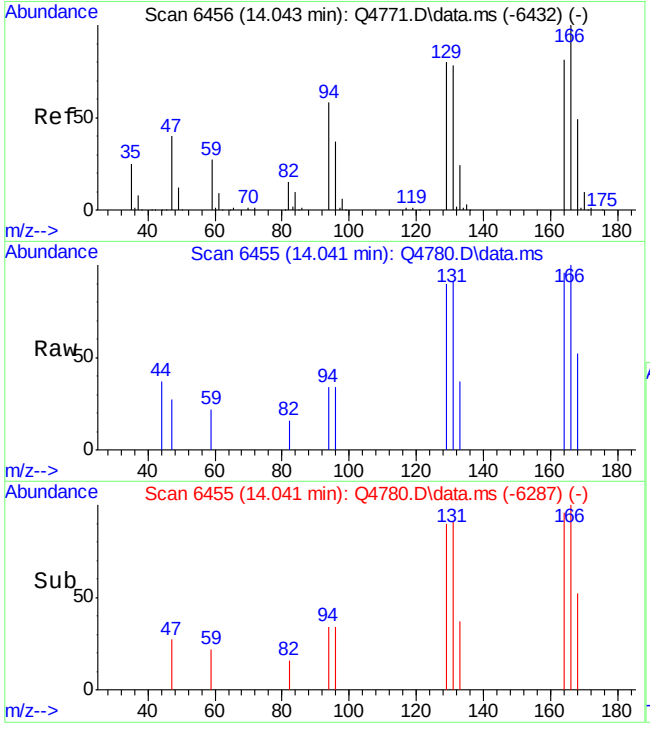


#46
TOLUENE
Concen: 3.40 PPBV
RT: 12.912 min Scan# 5819
Delta R.T. -0.000 min
Lab File: Q4780.D
Acq: 2 Oct 2007 9:10 pm

Tgt Ion: 92 Resp: 202705

Ion	Ratio	Lower	Upper
92	100		
91	172.6	150.2	190.2
65	22.6	1.8	41.8

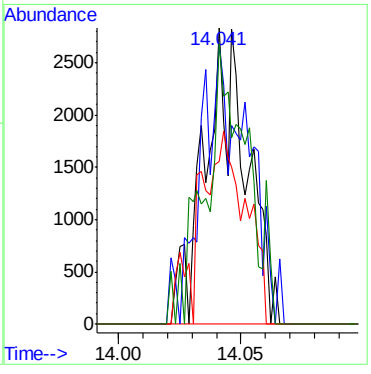


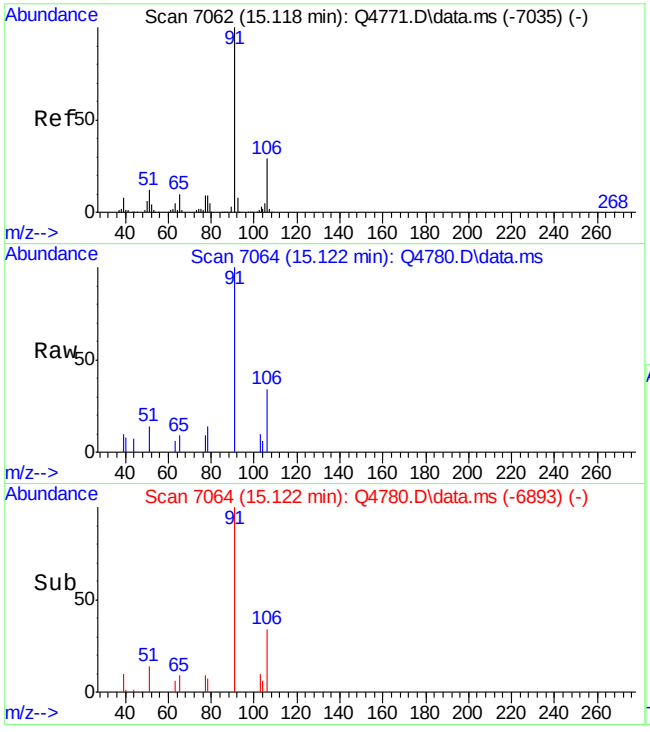


#51
TETRACHLOROETHYLENE
Concen: 0.06 PPBV
RT: 14.041 min Scan# 6455
Delta R.T. -0.002 min
Lab File: Q4780.D
Acq: 2 Oct 2007 9:10 pm

Tgt Ion:164 Resp: 3406

Ion	Ratio	Lower	Upper
164	100		
129	105.4	81.9	121.9
168	71.1	41.6	81.6
131	95.0	77.2	117.2

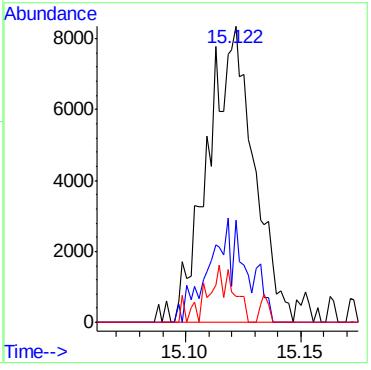


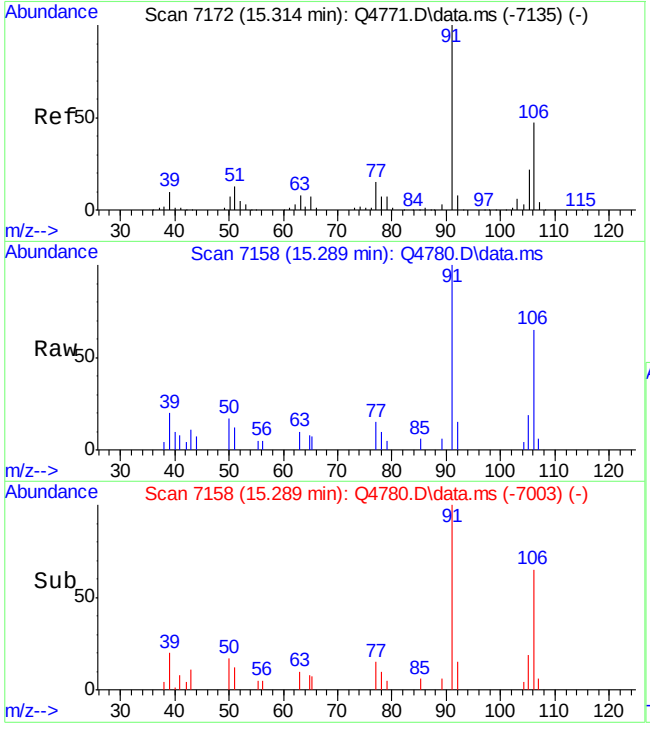


#55
ETHYLBENZENE
Concen: 0.58 PPBV
RT: 15.122 min Scan# 7064
Delta R.T. 0.004 min
Lab File: Q4780.D
Acq: 2 Oct 2007 9:10 pm

Tgt Ion: 91 Resp: 11621

Ion	Ratio	Lower	Upper
91	100		
106	28.8	8.9	48.9
77	11.2	0.0	29.4

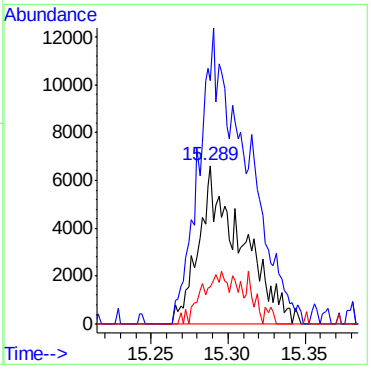


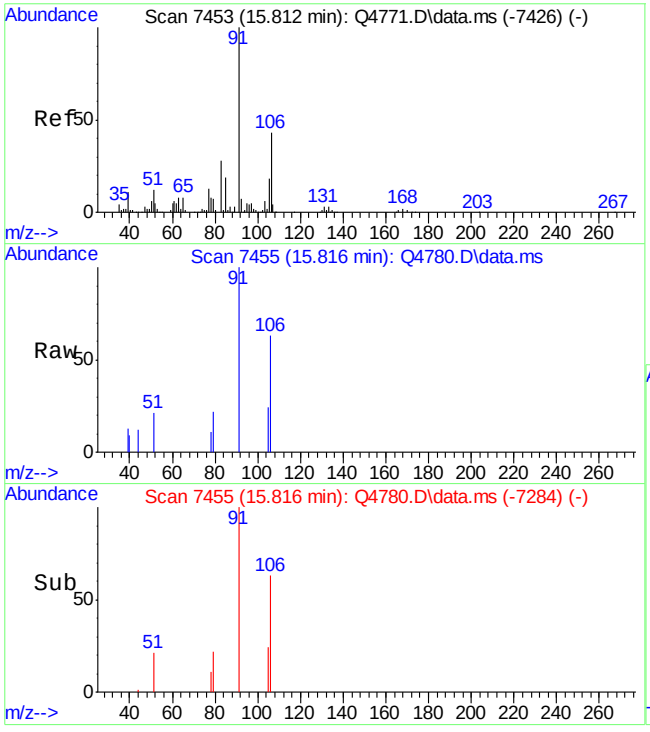


#56
m,p-XYLENE
Concen: 1.15 PPBV m
RT: 15.289 min Scan# 7158
Delta R.T. -0.024 min
Lab File: Q4780.D
Acq: 2 Oct 2007 9:10 pm

Tgt Ion:106 Resp: 12735

Ion	Ratio	Lower	Upper
106	100		
91	154.1	170.9	256.3#
77	23.6	25.1	37.7#

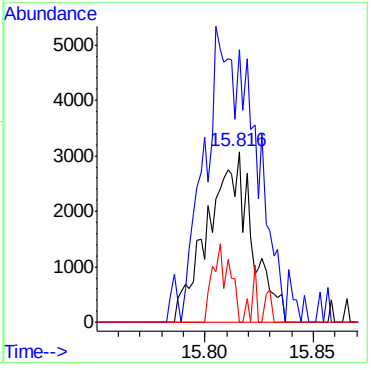


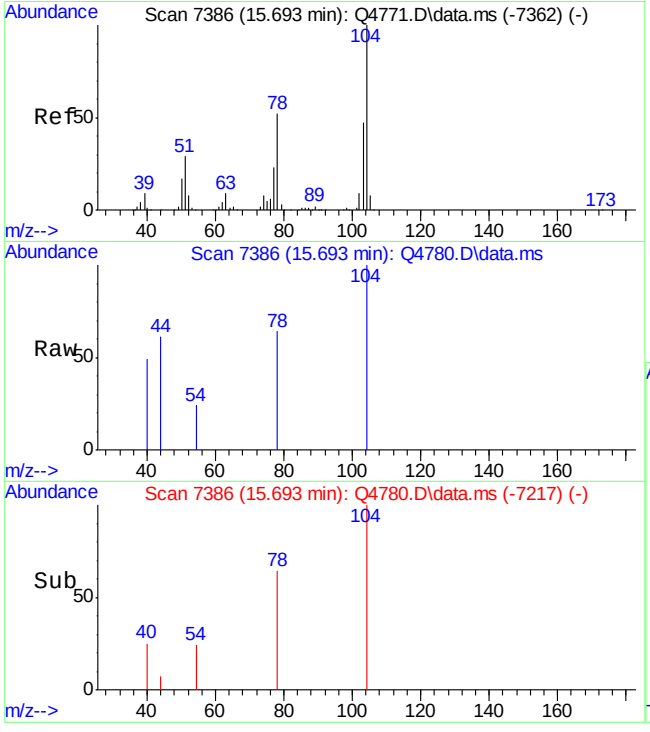


#57
o-XYLENE
Concen: 0.57 PPBV
RT: 15.816 min Scan# 7455
Delta R.T. 0.004 min
Lab File: Q4780.D
Acq: 2 Oct 2007 9:10 pm

Tgt Ion:106 Resp: 4325

Ion	Ratio	Lower	Upper
106	100		
91	0.0	212.7	252.7#
77	6.3	11.3	51.3#

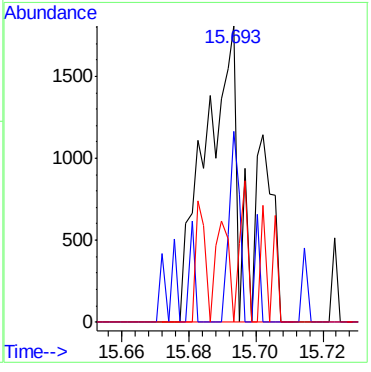


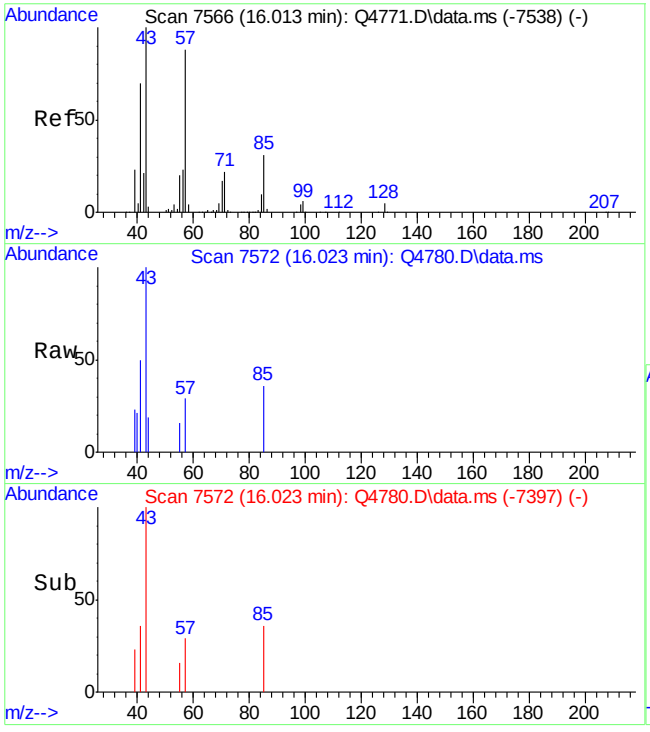


#58
STYRENE
Concen: 0.59 PPBV
RT: 15.693 min Scan# 7386
Delta R.T. 0.000 min
Lab File: Q4780.D
Acq: 2 Oct 2007 9:10 pm

Tgt Ion:104 Resp: 1603

Ion	Ratio	Lower	Upper
104	100		
78	20.9	30.3	70.3#
103	10.5	27.6	67.6#

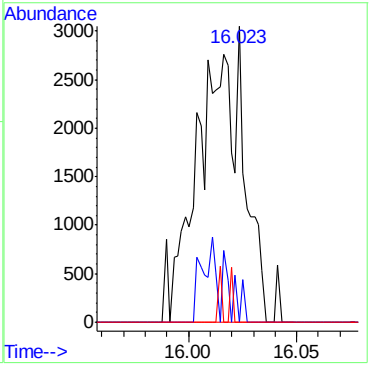


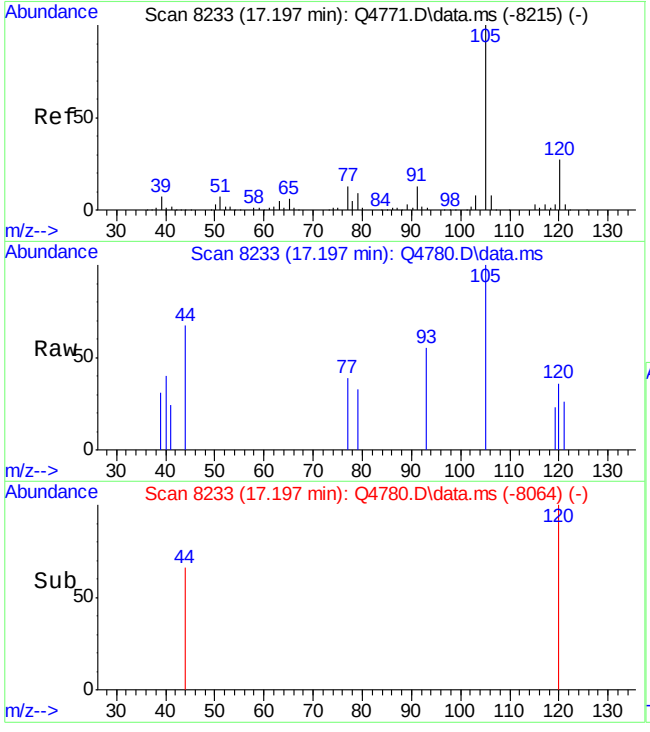


#59
NONANE
Concen: 0.46 PPBV
RT: 16.023 min Scan# 7572
Delta R.T. 0.011 min
Lab File: Q4780.D
Acq: 2 Oct 2007 9:10 pm

Tgt Ion: 43 Resp: 4321

Ion	Ratio	Lower	Upper
43	100		
71	12.9	1.4	41.4
128	2.8	0.0	24.3

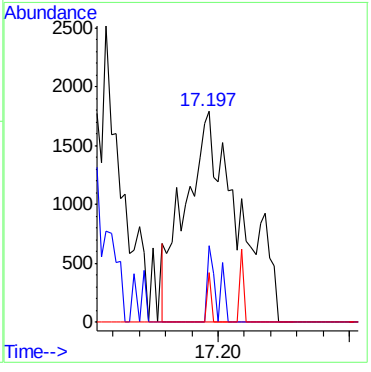


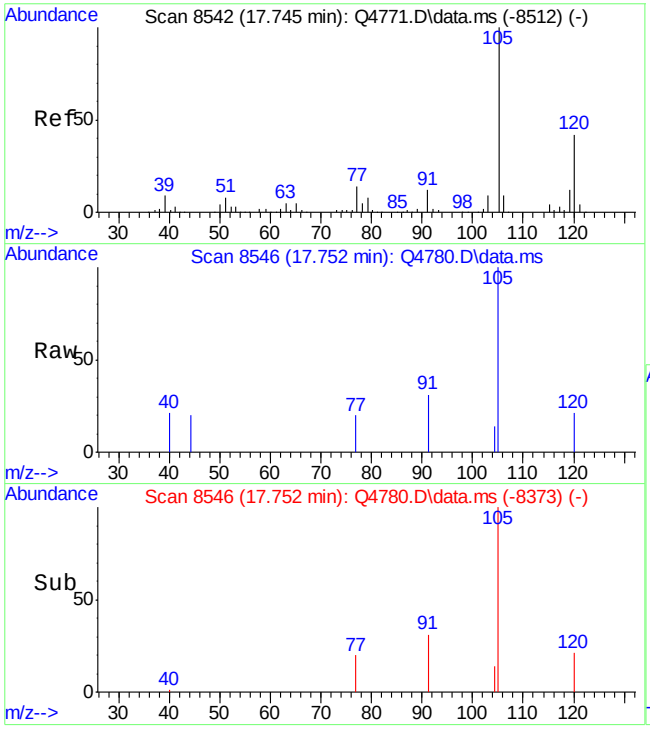


#65
4-ETHYLTOLUENE
Concen: 0.60 PPBV
RT: 17.197 min Scan# 8233
Delta R.T. 0.001 min
Lab File: Q4780.D
Acq: 2 Oct 2007 9:10 pm

Tgt Ion:105 Resp: 2535

Ion	Ratio	Lower	Upper
105	100		
120	6.6	7.7	47.7#
119	0.0	0.0	22.6

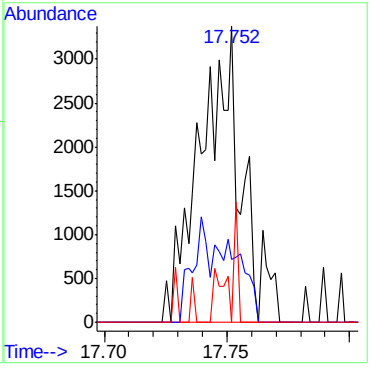




#67
1,2,4-TRIMETHYLBENZENE
Concen: 0.70 PPBV
RT: 17.752 min Scan# 8546
Delta R.T. 0.007 min
Lab File: Q4780.D
Acq: 2 Oct 2007 9:10 pm

Tgt Ion:105 Resp: 3974

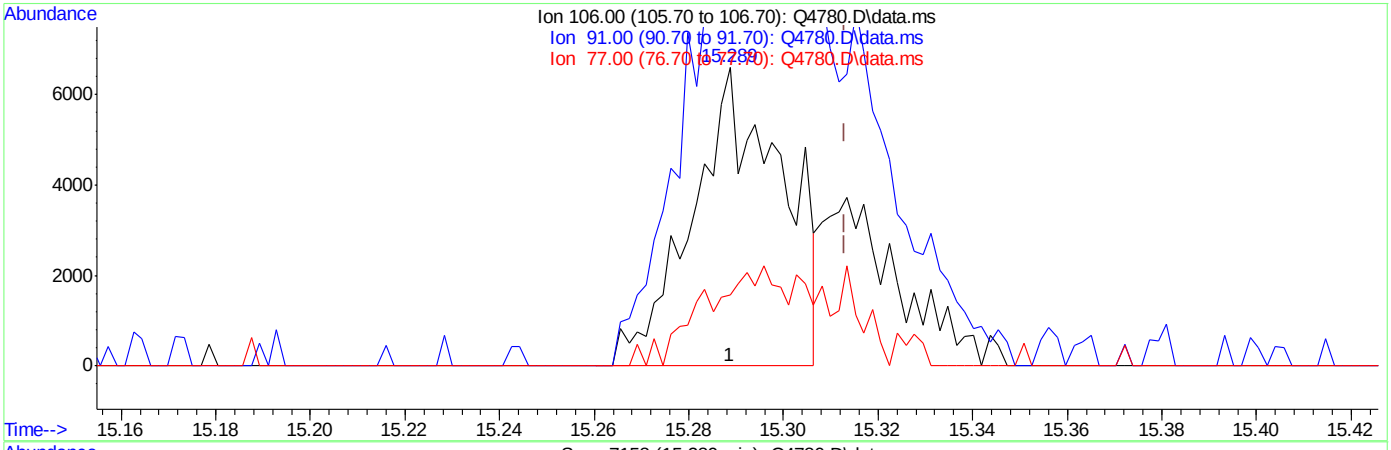
Ion	Ratio	Lower	Upper
105	100		
120	32.6	23.2	63.2
119	8.9	0.0	31.5

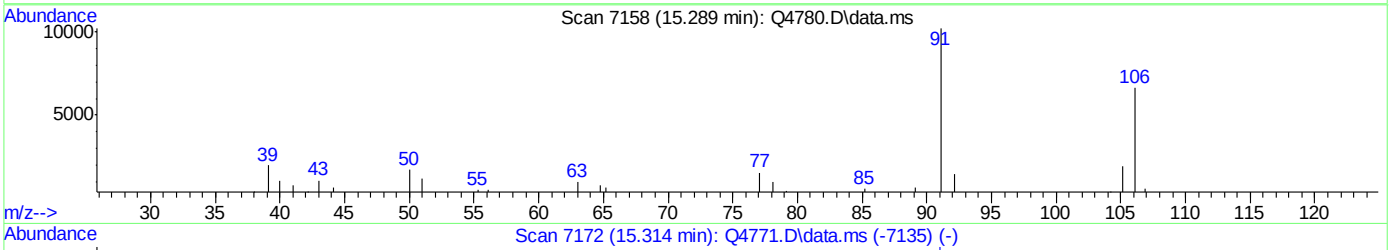


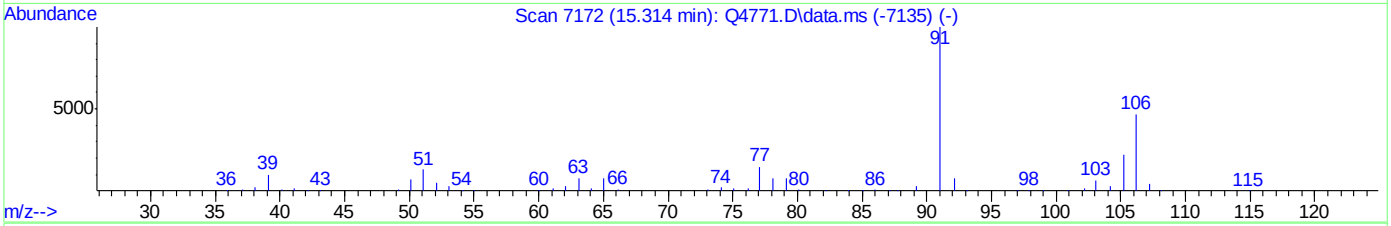
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4780.D
Acq On : 2 Oct 2007 9:10 pm
Operator : danat
Sample : m67846-2 (M001)
Misc : MS14329,MSQ246,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 03 08:35:40 2007
Quant Method : C:\msdchem\1\METHODS\Q100207T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Oct 02 15:54:08 2007
Response via : Initial Calibration







TIC: Q4780.D\data.ms

(56) m,p-XYLENE (m)

15.289min (-0.024) 1.09PPBV

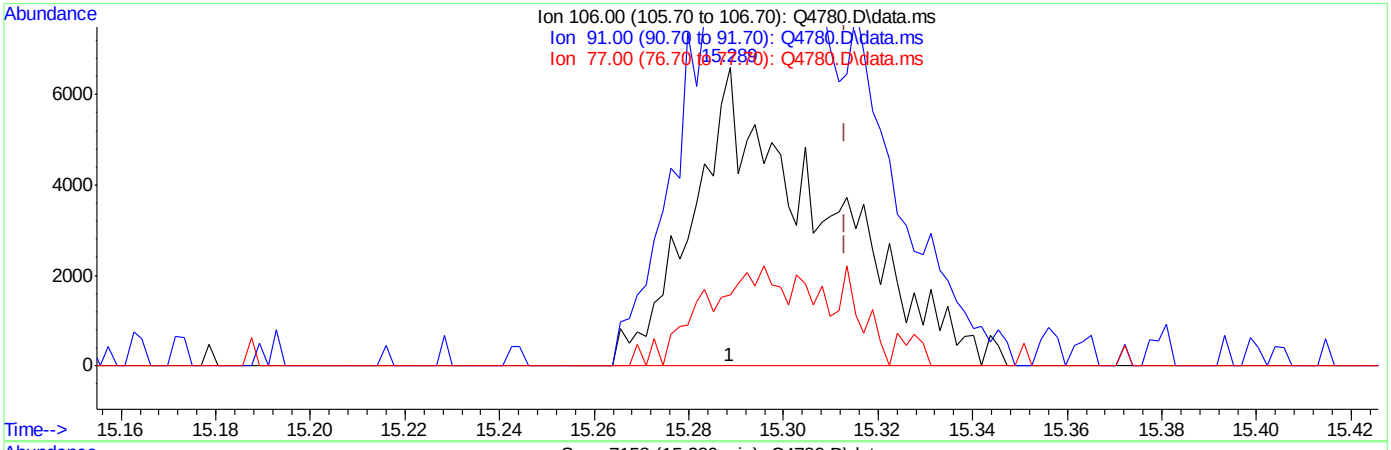
response 8668

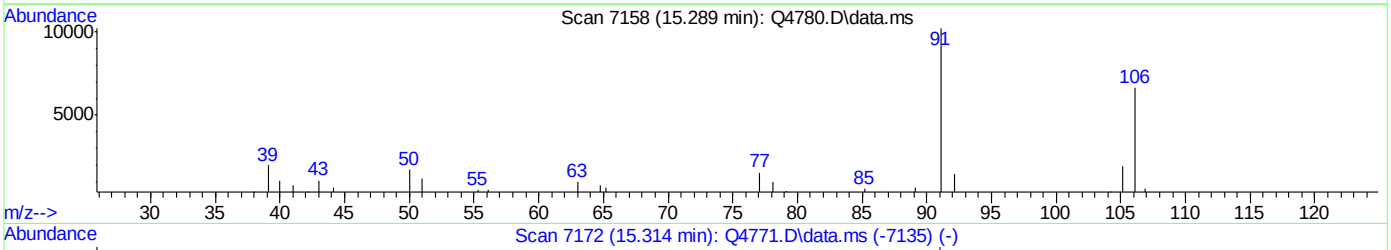
Ion	Exp%	Act%
106.00	100	100
91.00	213.60	154.11#
77.00	31.40	23.59#
0.00	0.00	0.00

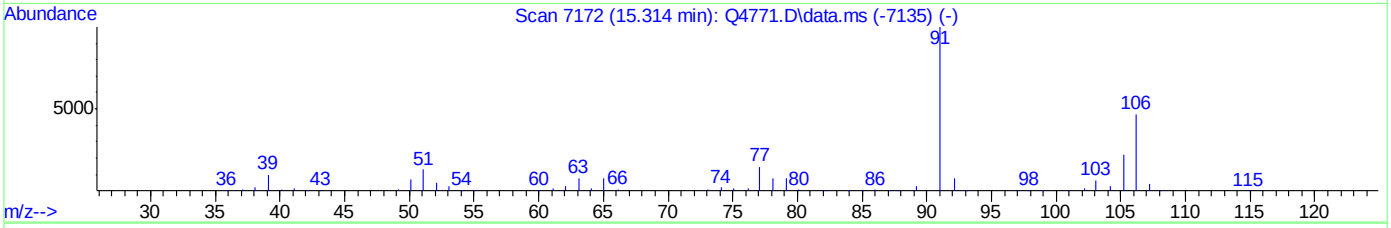
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4780.D
Acq On : 2 Oct 2007 9:10 pm
Operator : danat
Sample : m67846-2 (M001)
Misc : MS14329,MSQ246,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 03 08:35:40 2007
Quant Method : C:\msdchem\1\METHODS\Q100207T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Oct 02 15:54:08 2007
Response via : Initial Calibration







TIC: Q4780.D\data.ms

(56) m,p-XYLENE (m)

15.289min (-0.024) 1.15PPBV m

response 12736

Ion	Exp%	Act%
106.00	100	100
91.00	213.60	154.11#
77.00	31.40	23.59#
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Philip Bassignani
10/03/07 13:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4778.D
Acq On : 2 Oct 2007 7:45 pm
Operator : danat
Sample : mb (M138)
Misc : MS14329,MSQ246,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 03 09:51:15 2007
Quant Method : C:\msdchem\1\METHODS\Q100207T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Oct 03 09:29:03 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.623	128	275611	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.449	114	1295578	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.692	117	1037158	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.313	95	306997	4.05	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 81.00%

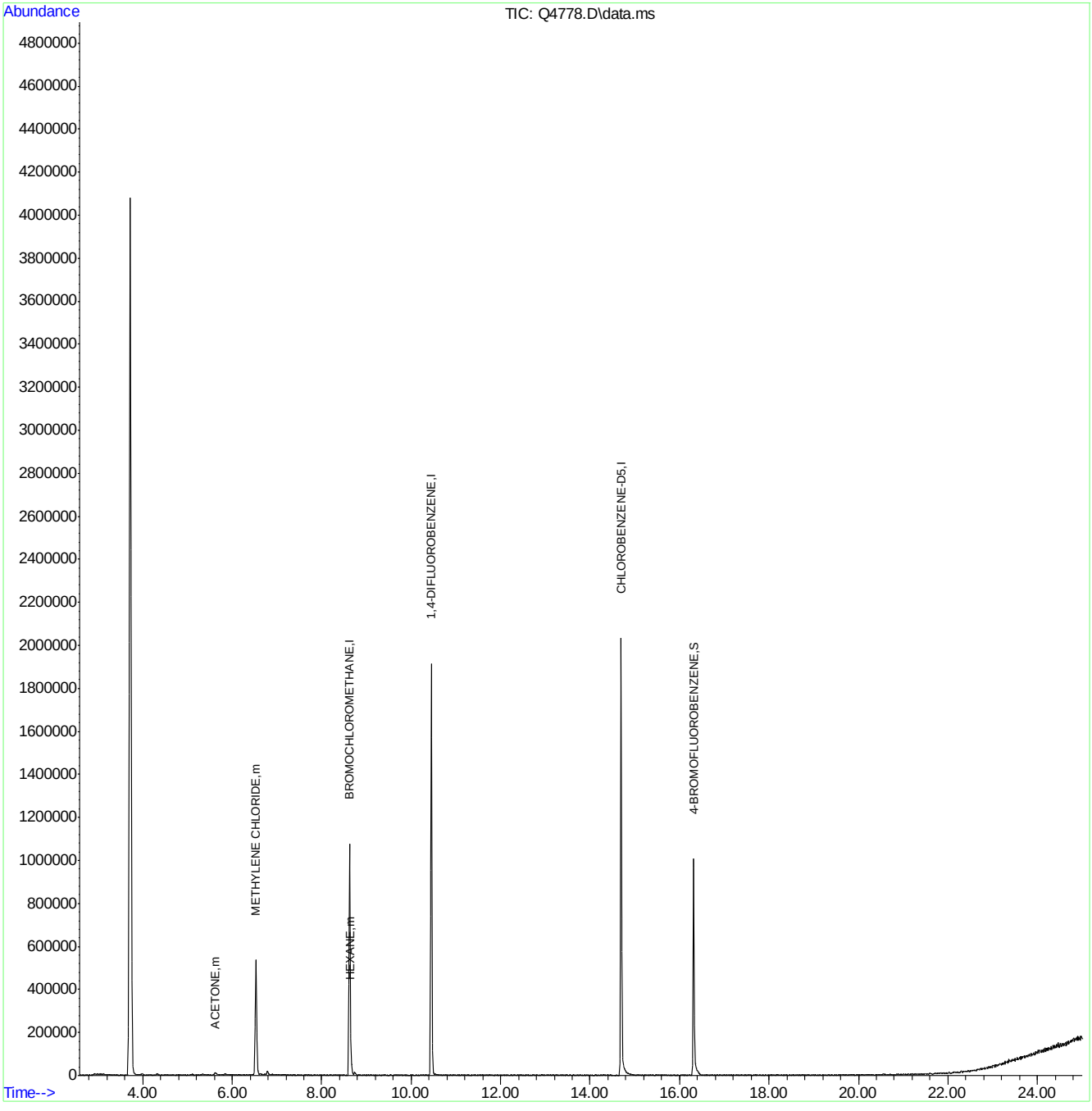
Target Compounds						Qvalue
12) ACETONE	5.609	43	15453m	0.38	PPBV	
18) METHYLENE CHLORIDE	6.530	84	257740	6.45	PPBV	94
25) HEXANE	8.655	57	14256	0.30	PPBV	87

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

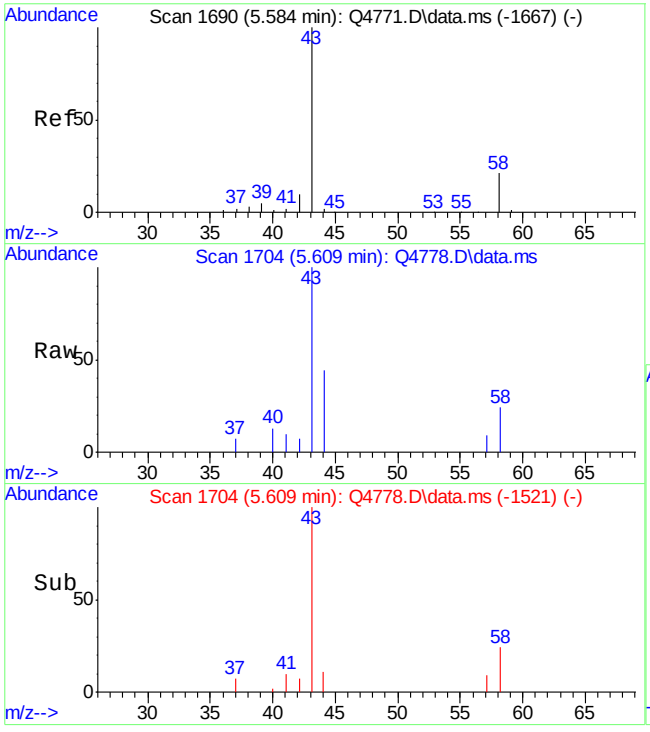
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4778.D
Acq On : 2 Oct 2007 7:45 pm
Operator : danat
Sample : mb (M138)
Misc : MS14329,MSQ246,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 03 09:51:15 2007
Quant Method : C:\msdchem\1\METHODS\Q100207T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Oct 03 09:29:03 2007
Response via : Initial Calibration



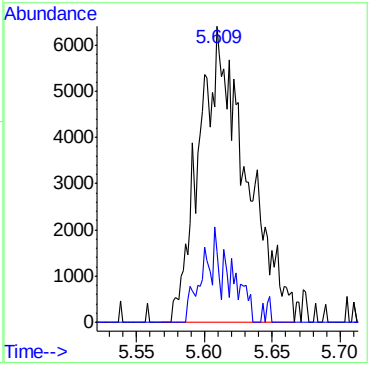
Q100207T.m Wed Oct 03 09:51:23 2007 RPT1 Page: 2

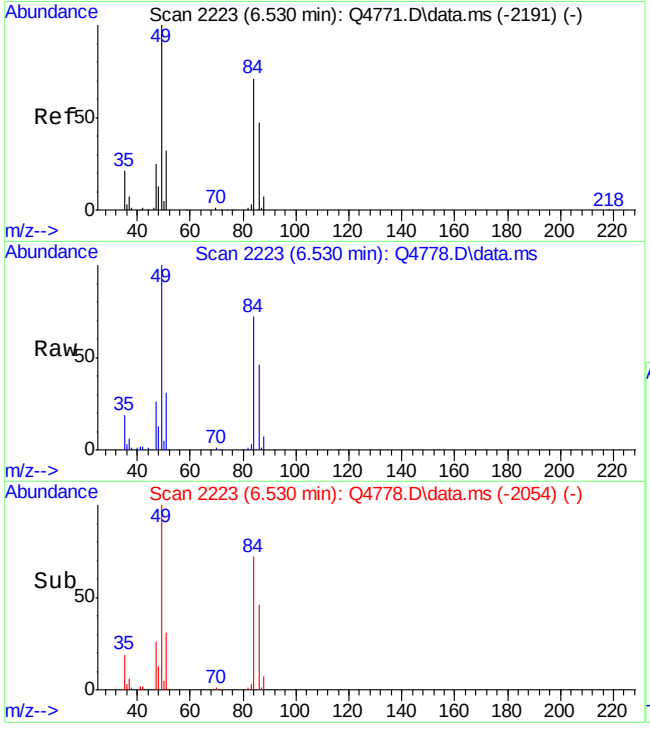


#12
ACETONE
Concen: 0.38 PPBV m
RT: 5.609 min Scan# 1704
Delta R.T. 0.025 min
Lab File: Q4778.D
Acq: 2 Oct 2007 7:45 pm

Tgt Ion: 43 Resp: 15453

Ion	Ratio	Lower	Upper
43	100		
58	17.5	1.6	41.6

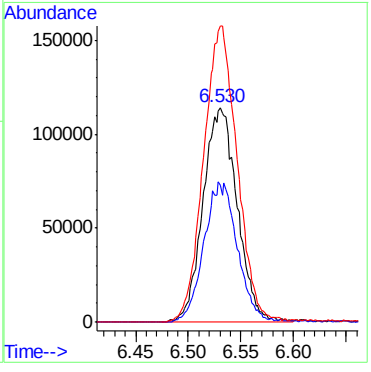


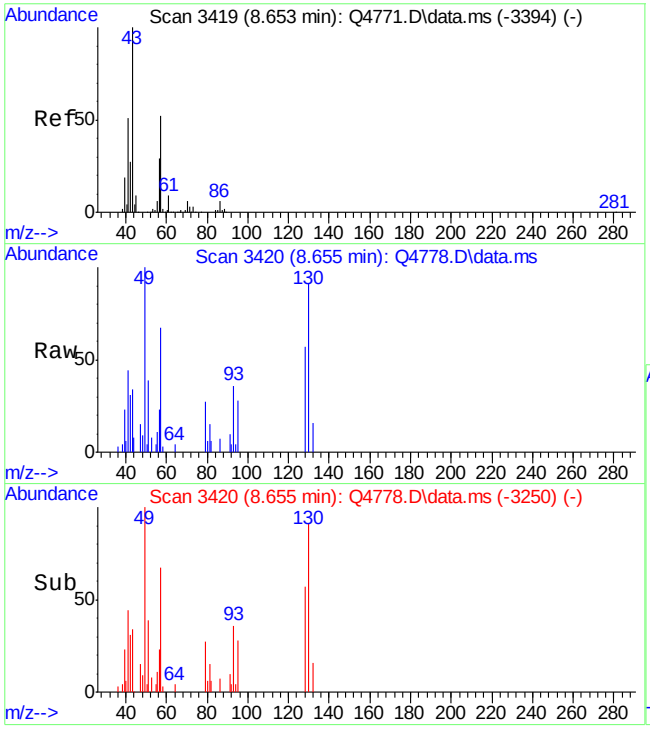


#18
METHYLENE CHLORIDE
Concen: 6.45 PPBV
RT: 6.530 min Scan# 2223
Delta R.T. 0.000 min
Lab File: Q4778.D
Acq: 2 Oct 2007 7:45 pm

Tgt Ion: 84 Resp: 257740

Ion	Ratio	Lower	Upper
84	100		
86	64.0	45.3	85.3
49	135.6	0.0	345.1

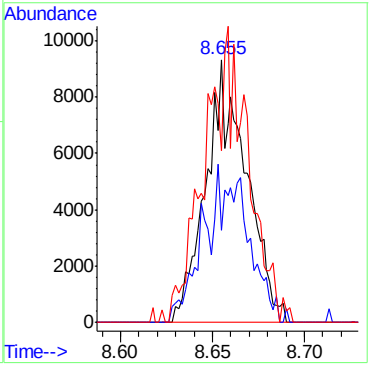




#25
HEXANE
Concen: 0.30 PPBV
RT: 8.655 min Scan# 3420
Delta R.T. 0.002 min
Lab File: Q4778.D
Acq: 2 Oct 2007 7:45 pm

Tgt Ion: 57 Resp: 14256

Ion	Ratio	Lower	Upper
57	100		
56	64.5	37.5	77.5
41	120.9	85.1	125.1



6.2.1

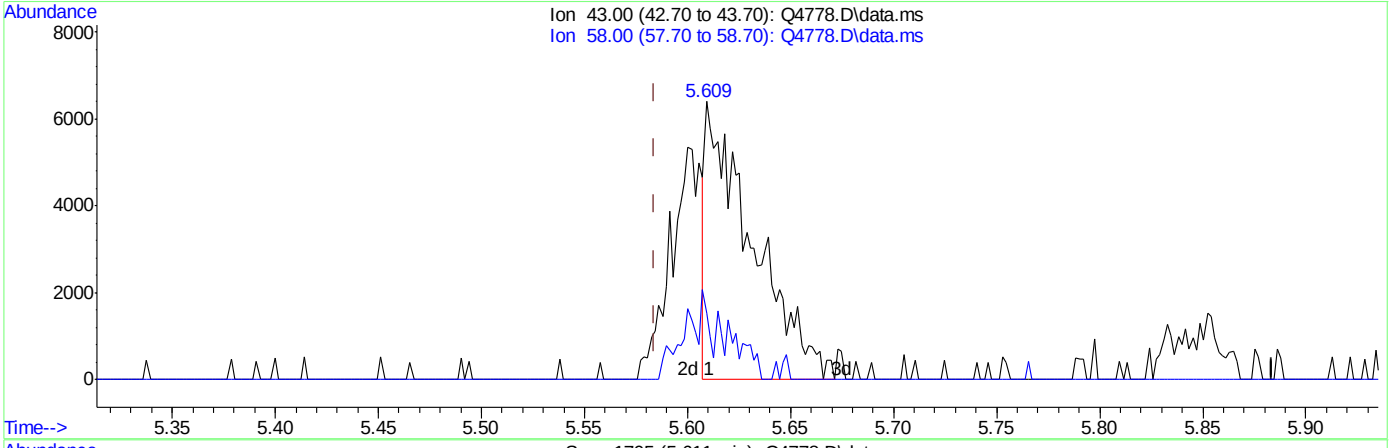
6

ACCUTEST Laboratories M67846

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4778.D
Acq On : 2 Oct 2007 7:45 pm
Operator : danat
Sample : mb (M138)
Misc : MS14329,MSQ246,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 03 09:49:50 2007
Quant Method : C:\msdchem\1\METHODS\Q100207T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Oct 03 09:29:03 2007
Response via : Initial Calibration



TIC: Q4778.D\data.ms

(12) ACETONE (m)

5.611min (+0.027) 0.30PPBV

response 10023

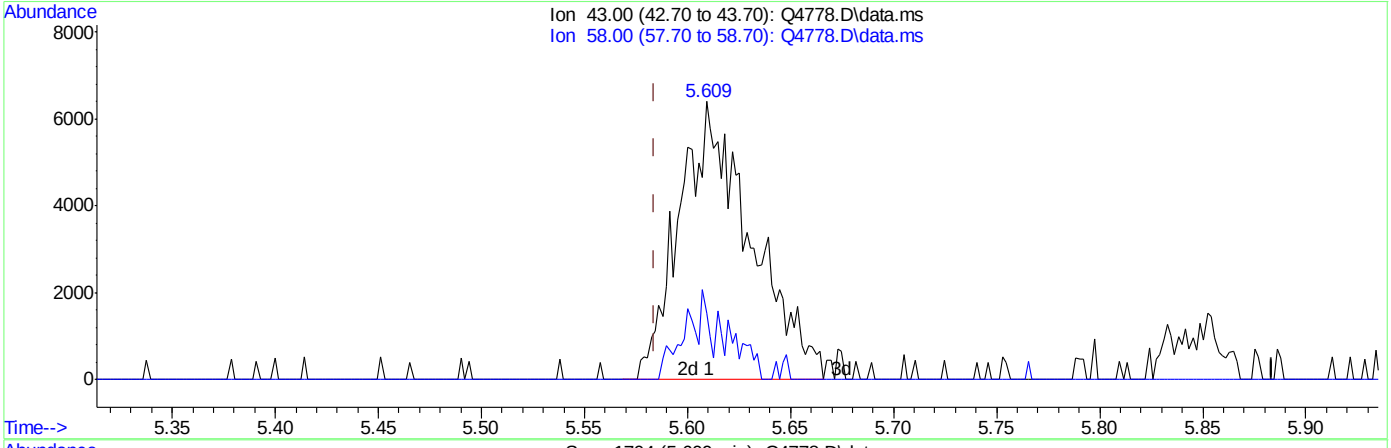
Ion	Exp%	Act%
43.00	100	100
58.00	21.60	26.97
0.00	0.00	0.00
0.00	0.00	0.00

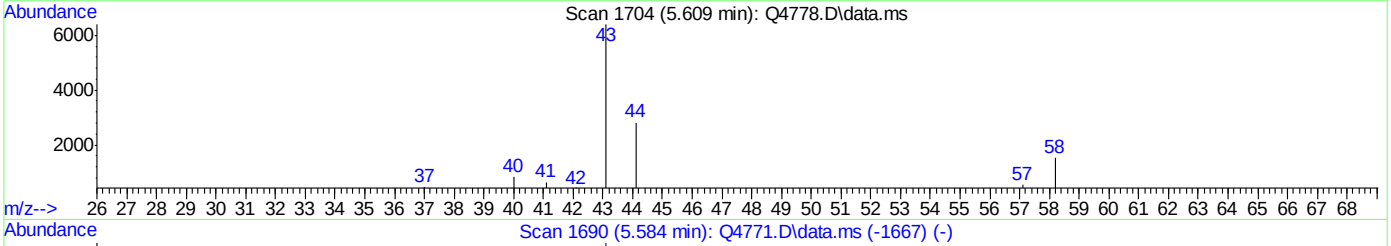
ACCUTEST Laboratories M67846

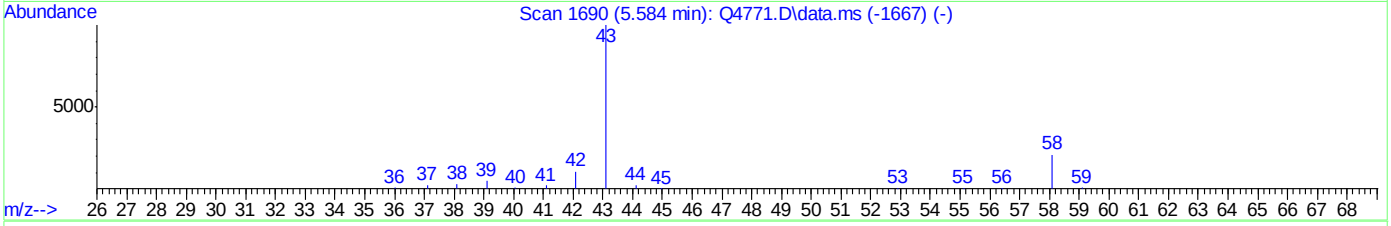
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4778.D
Acq On : 2 Oct 2007 7:45 pm
Operator : danat
Sample : mb (M138)
Misc : MS14329,MSQ246,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 03 09:49:50 2007
Quant Method : C:\msdchem\1\METHODS\Q100207T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Oct 03 09:29:03 2007
Response via : Initial Calibration







TIC: Q4778.D\data.ms

(12) ACETONE (m)

5.609min (+0.025) 0.38PPBV m

response 15453

Ion	Exp%	Act%
43.00	100	100
58.00	21.60	17.49
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10843.D
Acq On : 3 Jul 2007 1:21 pm
Operator : danat
Sample : mb (M132)
Misc : MS13762, MSJ561,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 05 17:23:01 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Jun 25 18:15:12 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	394136	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.43	114	1630782	10.00	PPBV	-0.01
49) CHLOROBENZENE-D5	14.66	117	1442926	10.00	PPBV	-0.01

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.28	95	430353	4.72	PPBV	-0.01

Spiked Amount 5.000 Range 51 - 142 Recovery = 94.40%

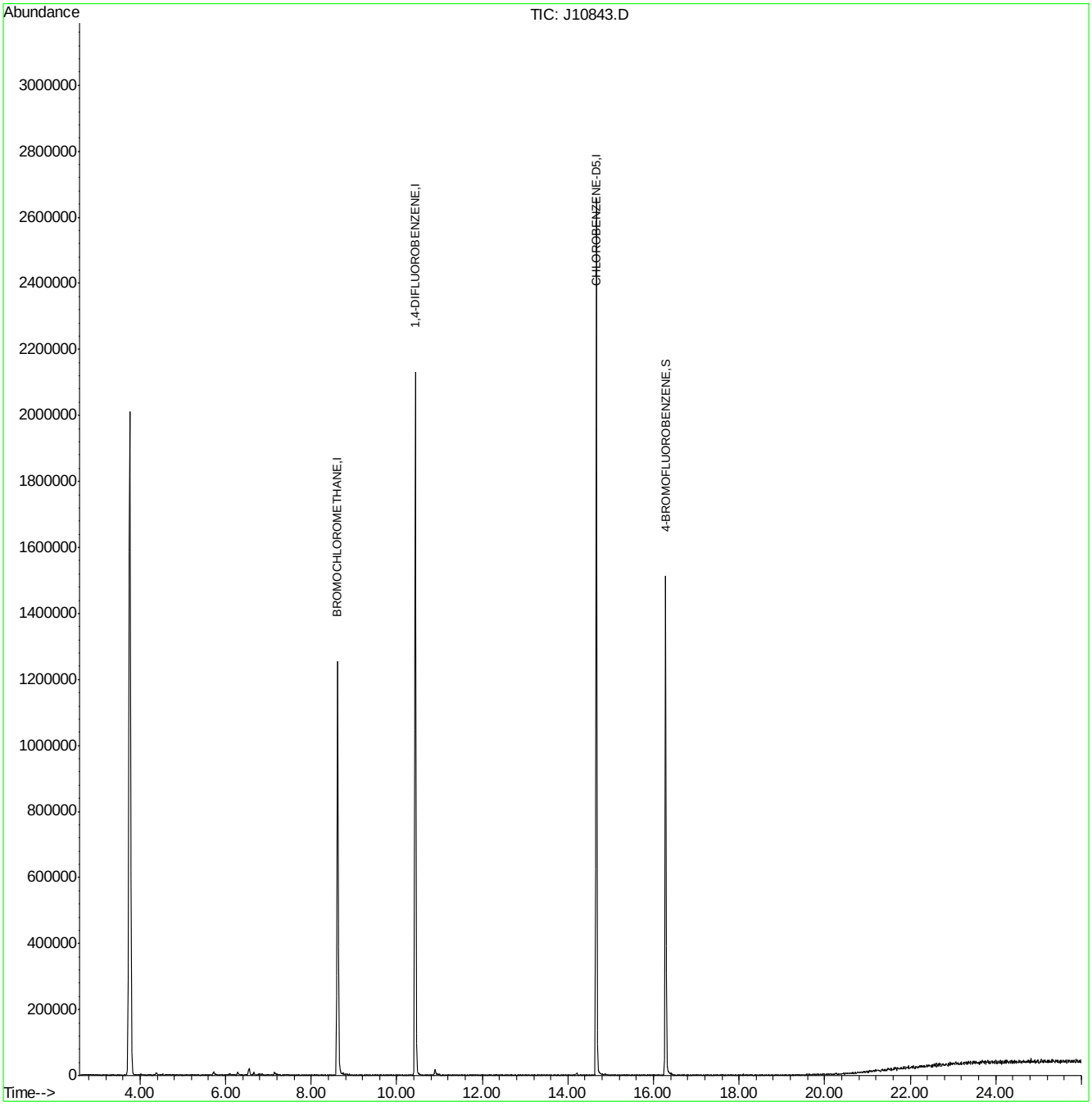
Target Compounds	Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10843.D
Acq On : 3 Jul 2007 1:21 pm
Operator : danat
Sample : mb (M132)
Misc : MS13762, MSJ561,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 05 17:23:01 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Jun 25 18:15:12 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4776b.D
Acq On : 2 Oct 2007 6:15 pm
Operator : danat
Sample : bs (M112)
Misc : MS14329,MSQ246,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 03 09:49:30 2007
Quant Method : C:\msdchem\1\METHODS\Q100207T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Oct 03 09:29:03 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.623	128	281951	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.451	114	1252884	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.694	117	1024151	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.315	95	382147	5.10	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 102.00%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.030	85	1068904	6.10	PPBV	99
3) PROPYLENE	3.957	41	153313	6.49	PPBV	90
4) FREON 114	4.289	85	1039454	7.12	PPBV	100
5) CHLOROMETHANE	4.191	50	215339	6.58	PPBV	99
6) VINYL CHLORIDE	4.409	62	268255	7.31	PPBV	99
7) 1,3-BUTADIENE	4.548	39	223610	7.47	PPBV	99
8) BROMOMETHANE	4.827	94	318489	6.89	PPBV	99
9) CHLOROETHANE	4.993	64	120871	7.92	PPBV	99
10) TRICHLOROFLUOROMETHANE	5.778	101	1266332	6.97	PPBV	100
11) ISOPROPYL ALCOHOL	5.813	45	396084	6.34	PPBV	98
12) ACETONE	5.584	43	366204	5.80	PPBV	98
13) PENTANE	6.133	42	282146	7.28	PPBV	98
14) 1,1-DICHLOROETHYLENE	6.417	96	336887	7.79	PPBV	97
15) CARBON DISULFIDE	6.850	76	1128823	8.93	PPBV	99
16) ETHANOL	5.095	45	76952	6.26	PPBV	98
17) BROMOETHENE	5.357	106	318512	7.31	PPBV	100
18) METHYLENE CHLORIDE	6.527	84	318833	8.11	PPBV	97
19) 3-CHLOROPROPENE	6.651	39	382754	9.03	PPBV	98
20) FREON 113	6.788	151	783593	7.92	PPBV	99
21) TRANS-1,2-DICHLOROETHY...	7.459	96	419806	9.76	PPBV	97
22) TERTIARY BUTYL ALCOHOL	6.415	59	614353	8.11	PPBV	99
23) METHYL TERTIARY BUTYL ...	7.695	73	874988	8.96	PPBV	99
24) TETRAHYDROFURAN	9.127	42	263088	8.55	PPBV	99
25) HEXANE	8.653	57	500315	10.13	PPBV	99
26) VINYL ACETATE	7.776	43	662201	9.42	PPBV	99
27) 1,1-DICHLOROETHANE	7.652	63	754008	9.92	PPBV	100
28) METHYL ETHYL KETONE	8.018	43	570854	9.26	PPBV	98
29) cis-1,2-DICHLOROETHYLENE	8.458	96	353604	10.79	PPBV	99
30) ETHYL ACETATE	8.649	43	917911	9.62	PPBV #	100
31) CHLOROFORM	8.743	83	995298	9.64	PPBV	100
32) 1,1,1-TRICHLOROETHANE	9.697	97	1039558	9.43	PPBV	99
33) CARBON TETRACHLORIDE	10.279	117	1303780	9.33	PPBV	100
34) 1,2-DICHLOROETHANE	9.453	62	582019	9.22	PPBV	100
36) BENZENE	10.137	78	856223	10.37	PPBV	100
37) CYCLOHEXANE	10.401	84	438900	11.79	PPBV	99
38) TRICHLOROETHYLENE	11.132	95	556983	10.84	PPBV	99
39) 1,2-DICHLOROPROPANE	10.909	63	278853	9.55	PPBV	100
40) BROMODICHLOROMETHANE	11.095	83	963110	10.08	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.157	57	1656991	11.78	PPBV	99
42) 1,4-DIOXANE	11.122	88	162447	8.36	PPBV	94
43) HEPTANE	11.397	43	613566	12.64	PPBV	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4776b.D
Acq On : 2 Oct 2007 6:15 pm
Operator : danat
Sample : bs (M112)
Misc : MS14329,MSQ246,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 03 09:49:30 2007
Quant Method : C:\msdchem\1\METHODS\Q100207T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Oct 03 09:29:03 2007
Response via : Initial Calibration

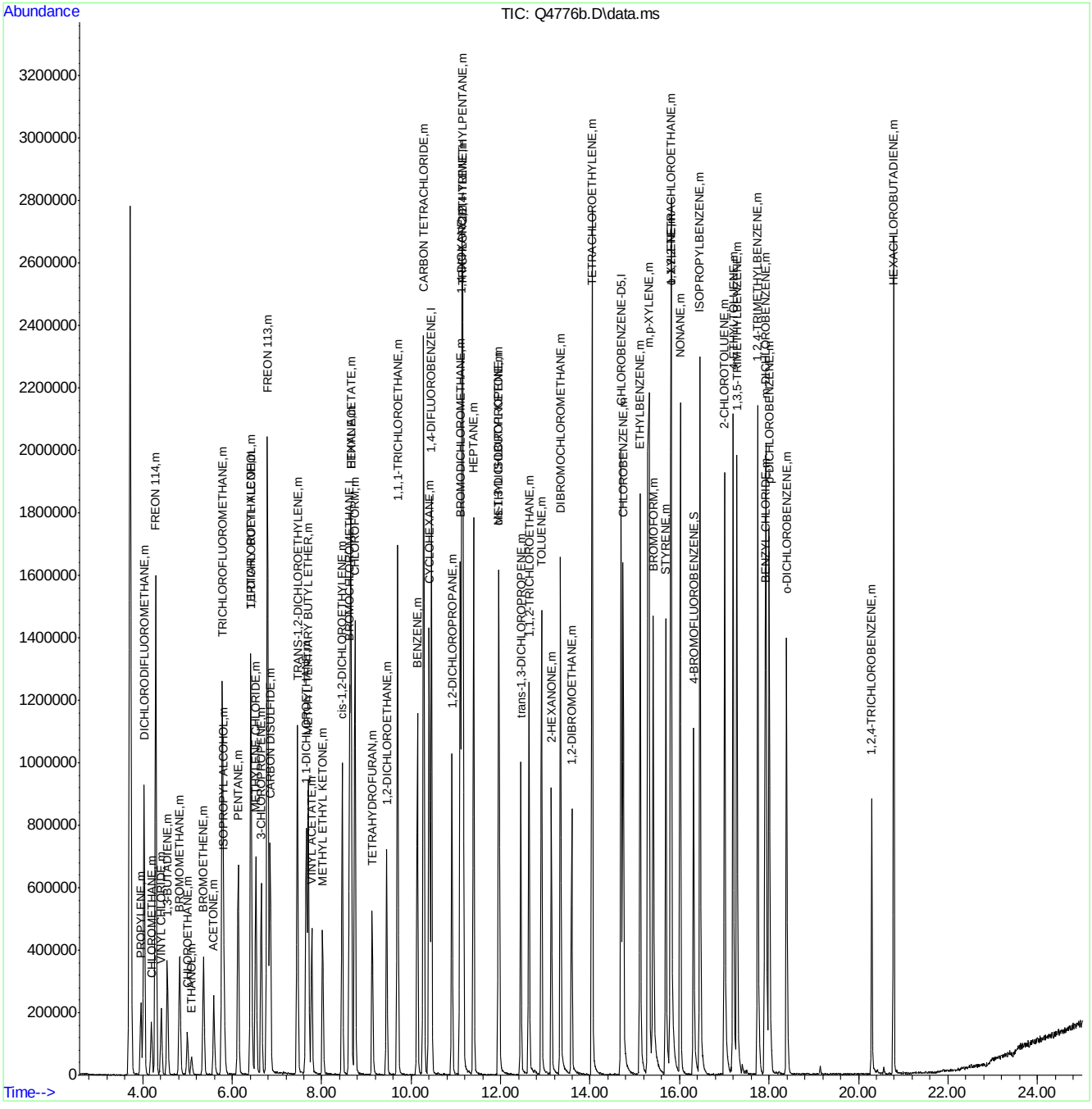
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.965	43	686402	8.51	PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.952	75	446524	10.65	PPBV	99
46) TOLUENE	12.912	92	556592	9.65	PPBV	100
47) trans-1,3-DICHLOROPROPENE	12.451	75	427839	8.77	PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.632	83	288129	9.22	PPBV	99
50) 2-HEXANONE	13.132	43	588323	9.33	PPBV	99
51) TETRACHLOROETHYLENE	14.045	164	529102	10.69	PPBV	98
52) DIBROMOCHLOROMETHANE	13.338	129	823219	9.91	PPBV	99
53) 1,2-DIBROMOETHANE	13.589	107	515998	10.24	PPBV	96
54) CHLOROBENZENE	14.739	112	793040	9.81	PPBV	99
55) ETHYLBENZENE	15.118	91	1288176	8.49	PPBV	100
56) m,p-XYLENE	15.315	106	971435	16.81	PPBV	100
57) o-XYLENE	15.811	106	493374	8.56	PPBV	98
58) STYRENE	15.692	104	677458	9.13	PPBV	100
59) NONANE	16.013	43	736112	9.75	PPBV	99
60) BROMOFORM	15.411	173	760362	10.09	PPBV	97
62) 1,1,2,2-TETRACHLOROETHANE	15.800	83	738910	10.40	PPBV	98
63) ISOPROPYLBENZENE	16.457	105	1485374	10.51	PPBV	100
64) 2-CHLOROTOLUENE	17.009	91	1087327	9.34	PPBV	100
65) 4-ETHYLTOLUENE	17.195	105	1320570	8.61	PPBV	100
66) 1,3,5-TRIMETHYLBENZENE	17.282	105	1172138	8.00	PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.747	105	1168887	9.52	PPBV	100
68) m-DICHLOROBENZENE	17.930	146	700879	10.15	PPBV	99
69) BENZYL CHLORIDE	17.908	91	789300	10.31	PPBV	99
70) p-DICHLOROBENZENE	18.004	146	690363	10.69	PPBV	100
71) o-DICHLOROBENZENE	18.389	146	537667	10.66	PPBV	99
72) HEXACHLOROBUTADIENE	20.787	225	416345	12.56	PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.297	180	229151	23.24	PPBV	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4776b.D
Acq On : 2 Oct 2007 6:15 pm
Operator : danat
Sample : bs (M112)
Misc : MS14329,MSQ246,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 03 09:49:30 2007
Quant Method : C:\msdchem\1\METHODS\Q100207T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Oct 03 09:29:03 2007
Response via : Initial Calibration



ACCUTEST Laboratories M67846

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
07/10/07 12:26

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10841a.D
Acq On : 3 Jul 2007 11:46 am
Operator : danat
Sample : bs (M080)
Misc : MS13762, MSJ561,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 05 17:19:56 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Jun 25 18:15:12 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.63	128	325534	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.45	114	1248606	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.68	117	1130914	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.30	95	388403	5.44	PPBV	0.00
Spiked Amount 5.000	Range 51 - 142		Recovery = 108.80%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.07	85	1286960	11.10	PPBV	100
3) PROPYLENE	4.01	41	217724	12.77	PPBV	98
4) FREON 114	4.33	85	1206632	11.95	PPBV	99
5) CHLOROMETHANE	4.24	50	294232	11.73	PPBV	98
6) VINYL CHLORIDE	4.45	62	354795	12.33	PPBV	98
7) 1,3-BUTADIENE	4.59	39	265066	13.02	PPBV	98
8) BROMOMETHANE	4.86	94	410826	12.59	PPBV	100
9) CHLOROETHANE	5.04	64	170206	12.78	PPBV	99
10) TRICHLOROFLUOROMETHANE	5.80	101	1405111	11.54	PPBV	100
11) ISOPROPYL ALCOHOL	5.99	45	356957	9.67	PPBV	93
12) ACETONE	5.67	43	409487	11.00	PPBV	99
13) PENTANE	6.14	42	308025	12.56	PPBV	99
14) 1,1-DICHLOROETHYLENE	6.43	96	394600	12.70	PPBV	95
15) CARBON DISULFIDE	6.85	76	1082391	11.49	PPBV	98
16) ETHANOL	5.25	45	67814	11.66	PPBV	92
17) BROMOETHENE	5.39	106	412656	13.10	PPBV	100
18) METHYLENE CHLORIDE	6.55	84	358148	11.84	PPBV	97
19) 3-CHLOROPROPENE	6.67	39	298251	12.15	PPBV	98
20) FREON 113	6.79	151	889423	11.67	PPBV	97
21) TRANS-1,2-DICHLOROETHYLENE	7.46	96	380315	12.68	PPBV	99
22) TERTIARY BUTYL ALCOHOL	6.60	59	341826	8.43	PPBV	87
23) METHYL TERTIARY BUTYL ETHE	7.75	73	678742	10.92	PPBV	99
24) TETRAHYDROFURAN	9.19	42	240566	12.75	PPBV	99
25) HEXANE	8.64	57	420796	11.15	PPBV	98
26) VINYL ACETATE	7.81	43	478326	11.55	PPBV	99
27) 1,1-DICHLOROETHANE	7.66	63	640114	12.22	PPBV	100
28) METHYL ETHYL KETONE	8.09	43	457871	11.62	PPBV	98
29) cis-1,2-DICHLOROETHYLENE	8.47	96	376534	13.16	PPBV	99
30) ETHYL ACETATE	8.70	43	484367	11.89	PPBV	97
31) CHLOROFORM	8.75	83	889448	12.11	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.68	97	1028637	12.09	PPBV	98
33) CARBON TETRACHLORIDE	10.26	117	1233346	11.71	PPBV	100
34) 1,2-DICHLOROETHANE	9.46	62	523088	12.35	PPBV	99
36) BENZENE	10.13	78	950105	16.25	PPBV	100
37) CYCLOHEXANE	10.37	84	447581	15.80	PPBV	99
38) TRICHLOROETHYLENE	11.12	95	485753	15.04	PPBV	99
39) 1,2-DICHLOROPROPANE	10.91	63	310722	15.70	PPBV	98
40) BROMODICHLOROMETHANE	11.10	83	808945	13.93	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.13	57	1619007	18.32	PPBV	99
42) 1,4-DIOXANE	11.19	88	153693m	14.14	PPBV	
43) HEPTANE	11.36	43	481770	17.26	PPBV	99

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10841a.D
Acq On : 3 Jul 2007 11:46 am
Operator : danat
Sample : bs (M080)
Misc : MS13762, MSJ561,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 05 17:19:56 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Jun 25 18:15:12 2007
Response via : Initial Calibration

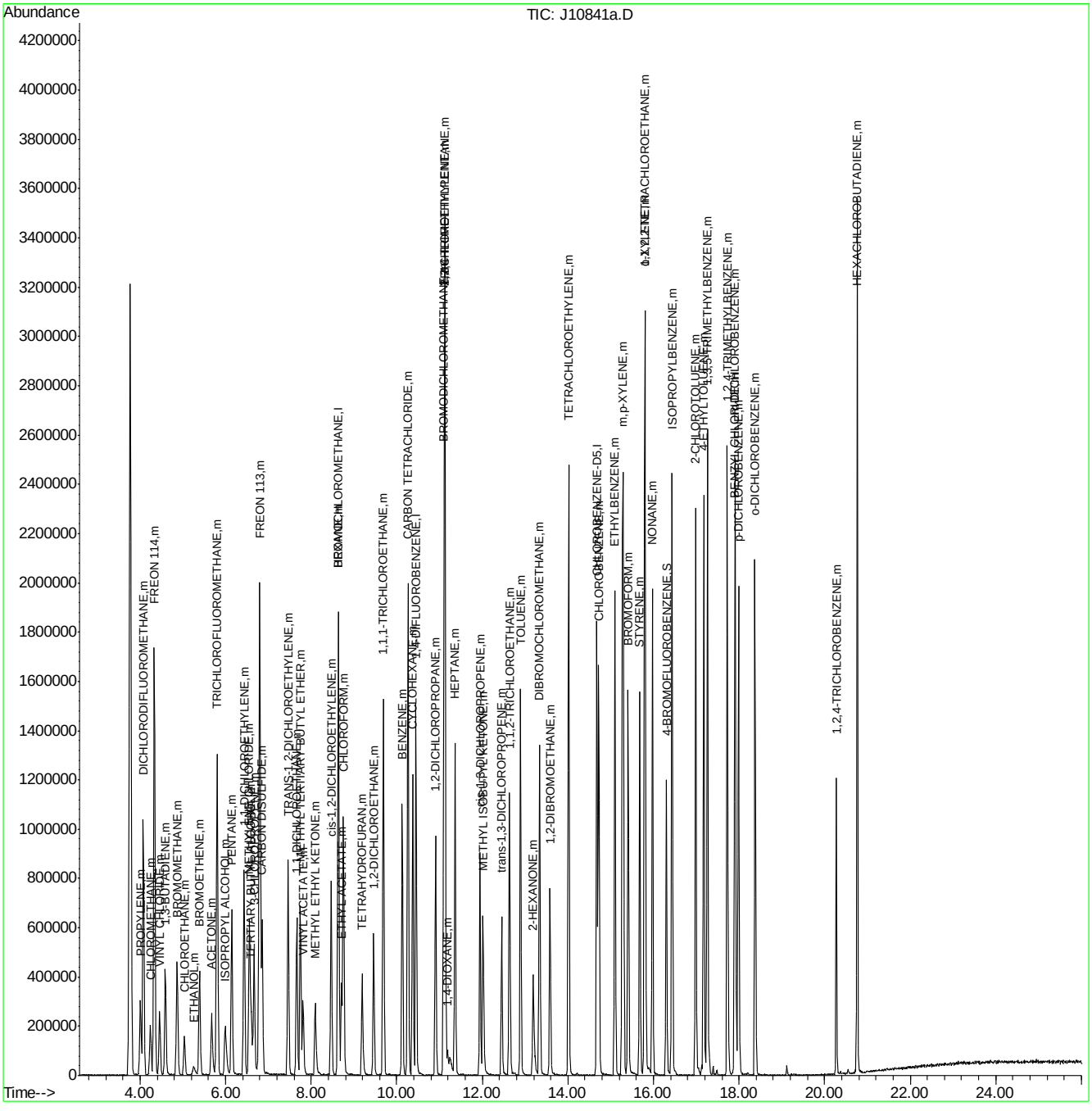
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.01	43	539941	15.25	PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.94	75	468418	13.44	PPBV	99
46) TOLUENE	12.89	92	670460	17.30	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.45	75	367062	10.82	PPBV	100
48) 1,1,2-TRICHLOROETHANE	12.63	83	335947	15.73	PPBV	100
50) 2-HEXANONE	13.18	43	392439	14.41	PPBV	99
51) TETRACHLOROETHYLENE	14.01	164	581387	15.51	PPBV	99
52) DIBROMOCHLOROMETHANE	13.33	129	842691	15.05	PPBV	100
53) 1,2-DIBROMOETHANE	13.58	107	602752	16.23	PPBV	100
54) CHLOROBENZENE	14.72	112	966701	16.25	PPBV	98
55) ETHYLBENZENE	15.10	91	1460129	14.28	PPBV	100
56) m,p-XYLENE	15.29	106	1232677	28.93	PPBV	98
57) o-XYLENE	15.79	106	617290	14.32	PPBV	100
58) STYRENE	15.68	104	810796	13.54	PPBV	99
59) NONANE	15.98	43	678443	15.35	PPBV	100
60) BROMOFORM	15.41	173	849541	15.71	PPBV	100
62) 1,1,2,2-TETRACHLOROETHANE	15.81	83	859117m	17.94	PPBV	
63) ISOPROPYLBENZENE	16.43	105	1798219	14.58	PPBV	100
64) 2-CHLOROTOLUENE	16.99	91	1266891	14.67	PPBV	99
65) 4-ETHYLTOLUENE	17.18	105	1496123	13.05	PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.26	105	1510872	14.54	PPBV	100
67) 1,2,4-TRIMETHYLBENZENE	17.72	105	1401444	14.49	PPBV	99
68) m-DICHLOROBENZENE	17.91	146	941668	13.63	PPBV	99
69) BENZYL CHLORIDE	17.89	91	610771	11.44	PPBV	99
70) p-DICHLOROBENZENE	17.98	146	857194	13.10	PPBV	100
71) o-DICHLOROBENZENE	18.37	146	874986	14.38	PPBV	98
72) HEXACHLOROBUTADIENE	20.76	225	623557	17.58	PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.27	180	324519	14.07	PPBV	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10841a.D
Acq On : 3 Jul 2007 11:46 am
Operator : danat
Sample : bs (M080)
Misc : MS13762, MSJ561,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 05 17:19:56 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Jun 25 18:15:12 2007
Response via : Initial Calibration



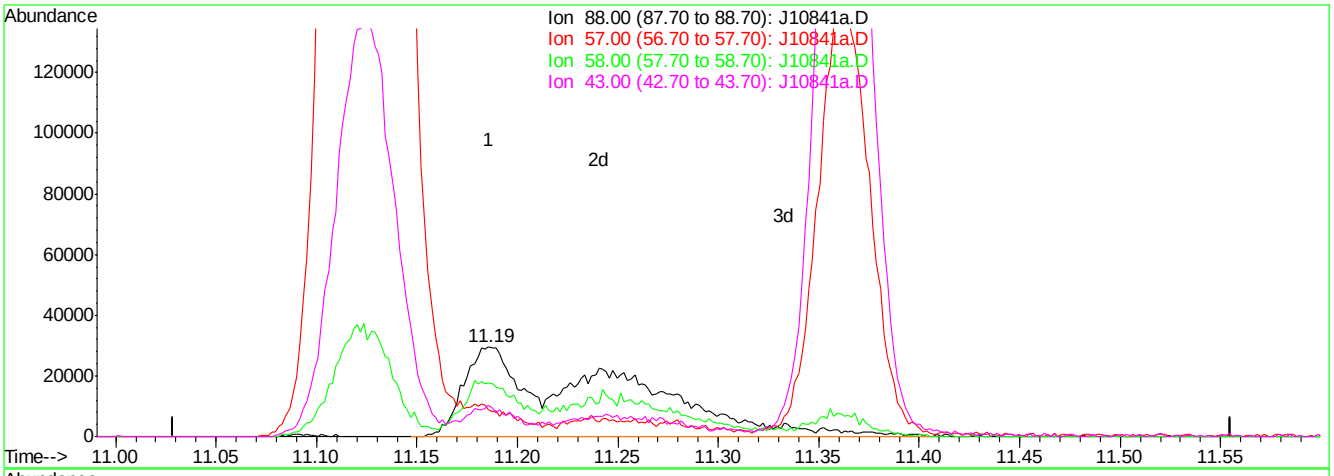
ACCUTEST Laboratories
M67846

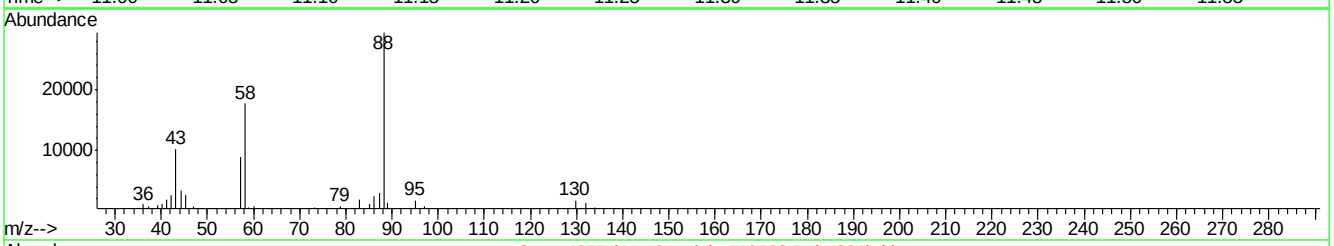
Quantitation Report (Qedit)

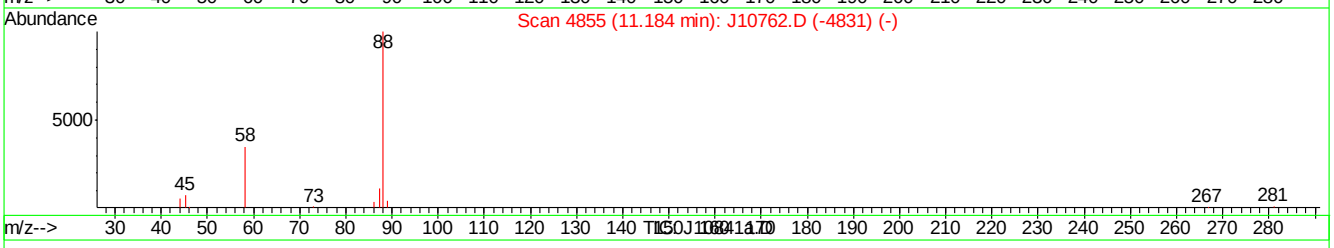
Data File : C:\MSDCHEM\1\DATA\J10841a.D Vial: 1
Acq On : 3 Jul 2007 11:46 am Operator: danat
Sample : bs (M080) Inst : MSJ
Misc : MS13762, MSJ561,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 17:19:56 2007 Results File: J062507T.RES

Method : C:\MSDCHEM\1\METHODS\J062507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Mon Jun 25 18:15:12 2007
Response via : Multiple Level Calibration







(42) 1,4-DIOXANE (m)

11.19min 14.14PPBV m

response 153693

Ion	Exp%	Act%
88.00	100	100
57.00	19.90	30.32
58.00	51.60	60.16
43.00	30.20	34.78

J10841a.D J062507T.M Thu Jul 05 17:21:52 2007

Manual Integrations APPROVED (compounds with "m" flag)
Philip Bassignani
10/03/07 13:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4781.D
Acq On : 2 Oct 2007 9:53 pm
Operator : danat
Sample : m67846-2dup (M001)
Misc : MS14329,MSQ246,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 03 10:12:17 2007
Quant Method : C:\msdchem\1\METHODS\Q100207T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Oct 03 09:29:03 2007
Response via : Initial Calibration

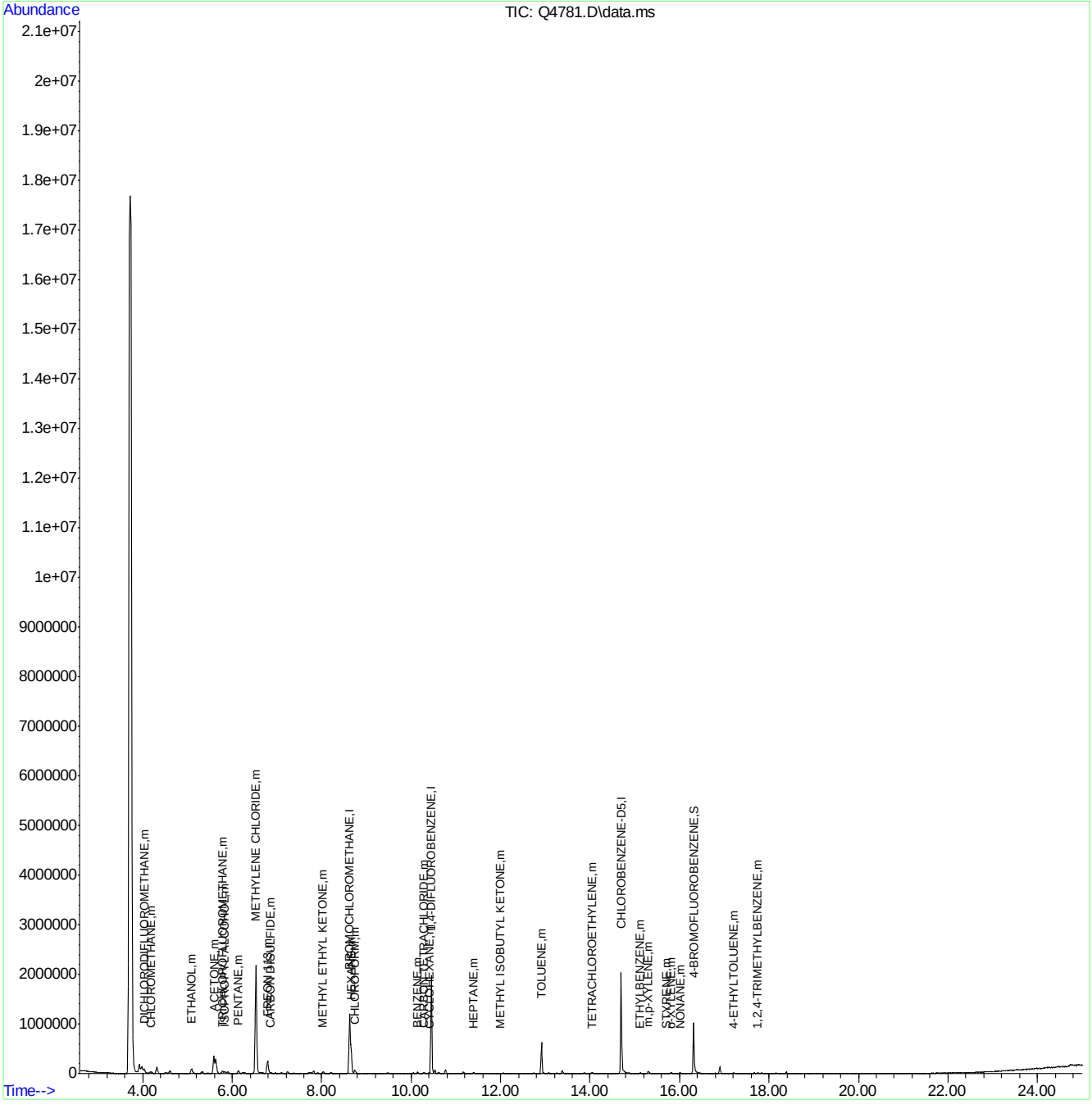
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.621	128	292273	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.449	114	1309023	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.694	117	1038717	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.315	95	323131	4.25	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 85.00%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.031	85	101179	0.56	PPBV	98
5) CHLOROMETHANE	4.195	50	19169	0.56	PPBV	93
10) TRICHLOROFLUOROMETHANE	5.776	101	47387	0.25	PPBV	97
11) ISOPROPYL ALCOHOL	5.829	45	41276	0.64	PPBV	70
12) ACETONE	5.588	43	635399	9.81	PPBV	96
13) PENTANE	6.138	42	23796	0.59	PPBV	98
15) CARBON DISULFIDE	6.846	76	25211	0.19	PPBV	86
16) ETHANOL	5.087	45	139253	10.93	PPBV	98
18) METHYLENE CHLORIDE	6.528	84	1038813	28.71	PPBV	97
20) FREON 113	6.793	151	96634	0.94	PPBV	99
25) HEXANE	8.660	57	193940	3.79	PPBV	97
28) METHYL ETHYL KETONE	8.030	43	45280	0.71	PPBV	96
31) CHLOROFORM	8.743	83	52717	0.49	PPBV	100
33) CARBON TETRACHLORIDE	10.277	117	13517	0.09	PPBV	99
36) BENZENE	10.137	78	25265	0.29	PPBV	98
37) CYCLOHEXANE	10.401	84	4235	0.11	PPBV	94
43) HEPTANE	11.397	43	5842	0.12	PPBV	92
44) METHYL ISOBUTYL KETONE	11.981	43	1844m	0.56	PPBV	
46) TOLUENE	12.914	92	206412	3.43	PPBV	95
51) TETRACHLOROETHYLENE	14.038	164	3548	0.07	PPBV	95
55) ETHYLBENZENE	15.117	91	12368	0.59	PPBV	94
56) m,p-XYLENE	15.285	106	12636	1.16	PPBV #	75
57) o-XYLENE	15.812	106	3911	0.57	PPBV	92
58) STYRENE	15.695	104	1224m	0.59	PPBV	
59) NONANE	16.008	43	4407	0.47	PPBV #	75
65) 4-ETHYLTOLUENE	17.197	105	2467m	0.60	PPBV	
67) 1,2,4-TRIMETHYLBENZENE	17.752	105	4232	0.71	PPBV #	90

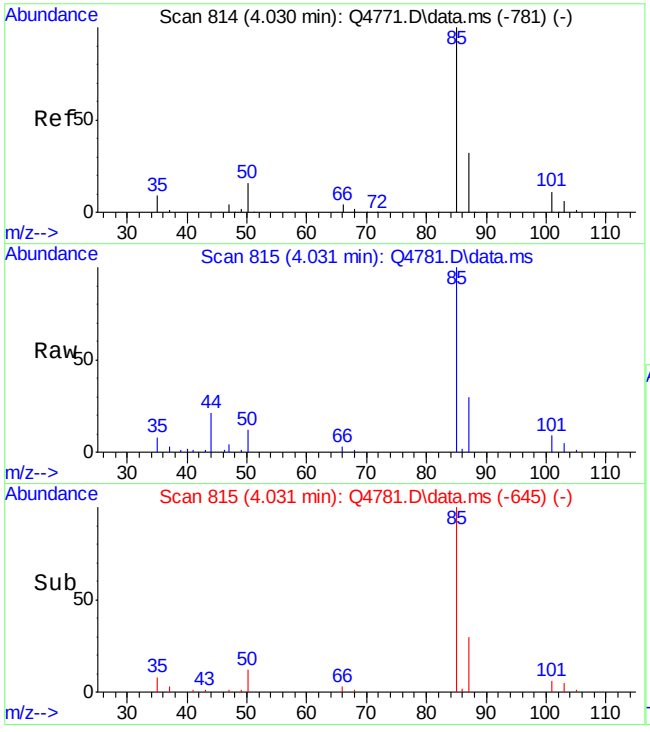
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4781.D
Acq On : 2 Oct 2007 9:53 pm
Operator : danat
Sample : m67846-2dup (M001)
Misc : MS14329,MSQ246,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 03 10:12:17 2007
Quant Method : C:\msdchem\1\METHODS\Q100207T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Oct 03 09:29:03 2007
Response via : Initial Calibration

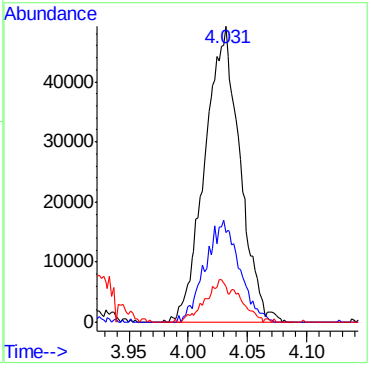


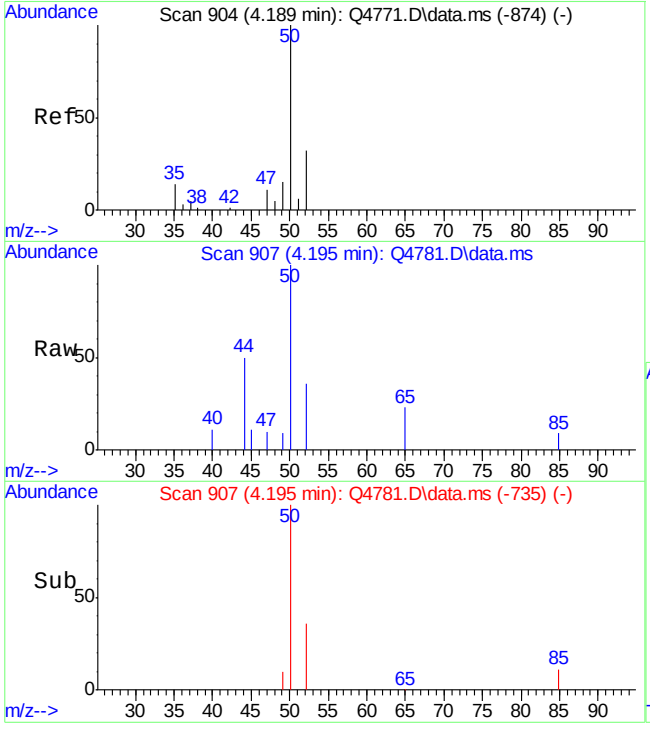


#2
DICHLORODIFLUOROMETHANE
Concen: 0.56 PPBV
RT: 4.031 min Scan# 815
Delta R.T. 0.002 min
Lab File: Q4781.D
Acq: 2 Oct 2007 9:53 pm

Tgt Ion: 85 Resp: 101179

Ion	Ratio	Lower	Upper
85	100		
87	33.5	12.3	52.3
50	13.9	0.0	34.5

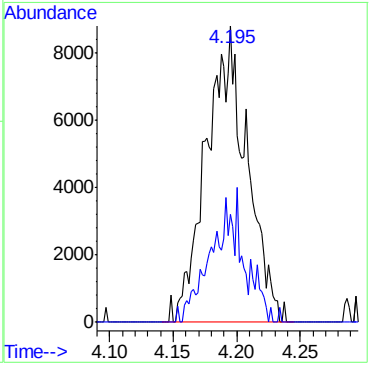


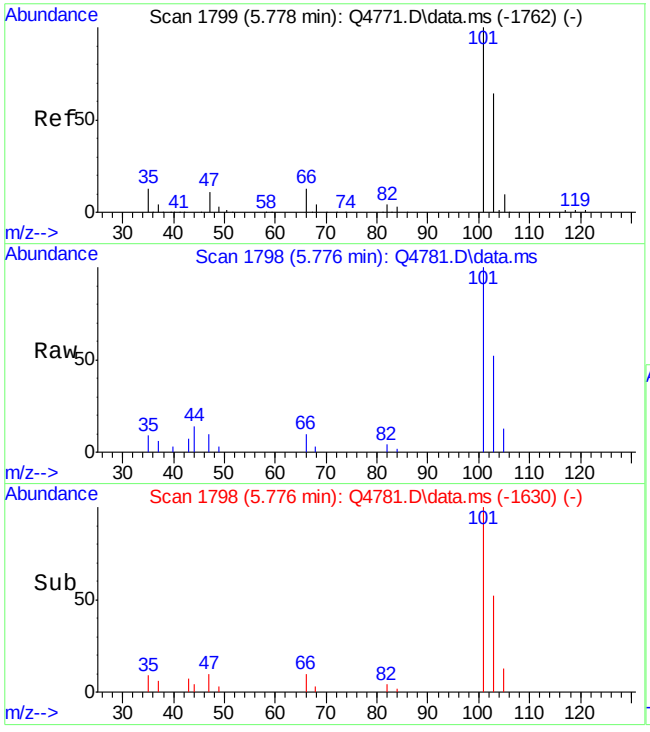


#5
CHLOROMETHANE
Concen: 0.56 PPBV
RT: 4.195 min Scan# 907
Delta R.T. 0.005 min
Lab File: Q4781.D
Acq: 2 Oct 2007 9:53 pm

Tgt Ion: 50 Resp: 19169

Ion	Ratio	Lower	Upper
50	100		
52	36.5	12.7	52.7

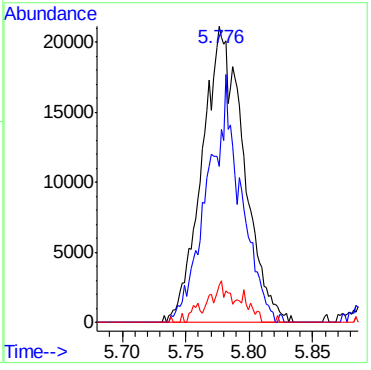


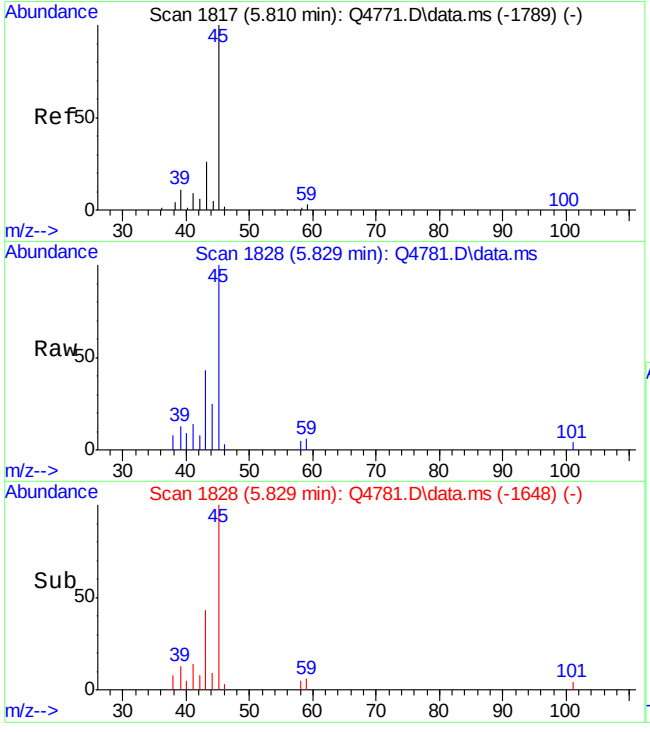


#10
TRICHLOROFLUOROMETHANE
Concen: 0.25 PPBV
RT: 5.776 min Scan# 1798
Delta R.T. -0.002 min
Lab File: Q4781.D
Acq: 2 Oct 2007 9:53 pm

Tgt Ion:101 Resp: 47387

Ion	Ratio	Lower	Upper
101	100		
103	67.1	44.5	84.5
105	10.5	0.0	30.2

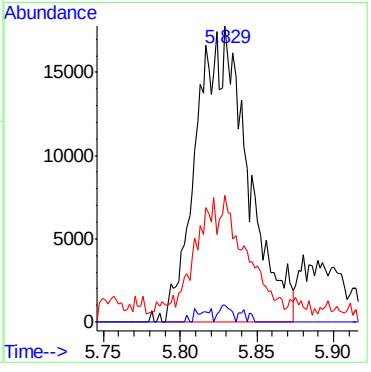


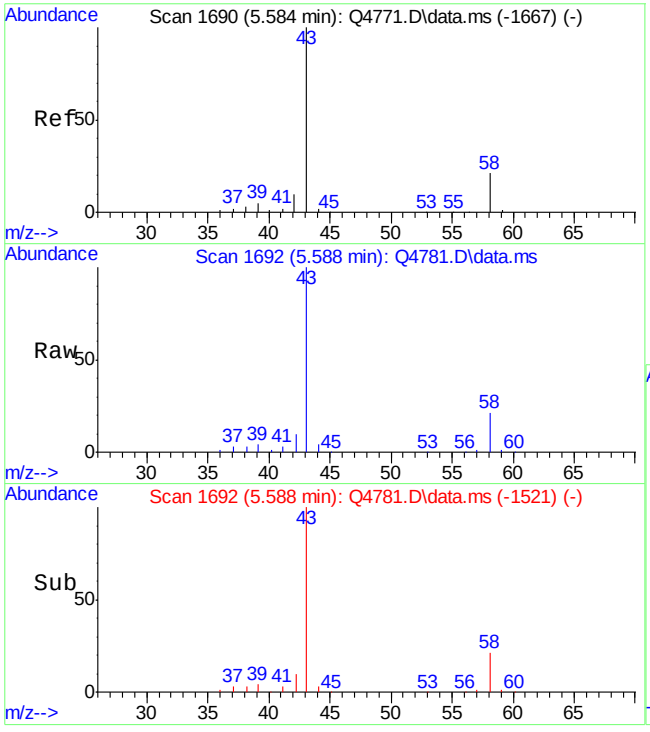


#11
ISOPROPYL ALCOHOL
Concen: 0.64 PPBV
RT: 5.829 min Scan# 1828
Delta R.T. 0.019 min
Lab File: Q4781.D
Acq: 2 Oct 2007 9:53 pm

Tgt Ion: 45 Resp: 41276

Ion	Ratio	Lower	Upper
45	100		
59	5.8	0.0	23.1
43	42.8	6.3	46.3

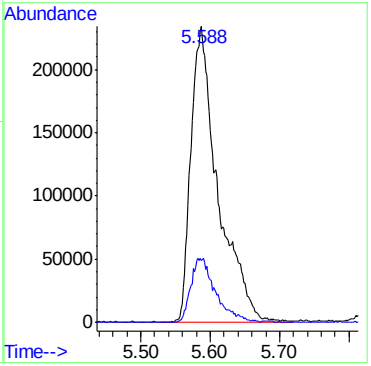


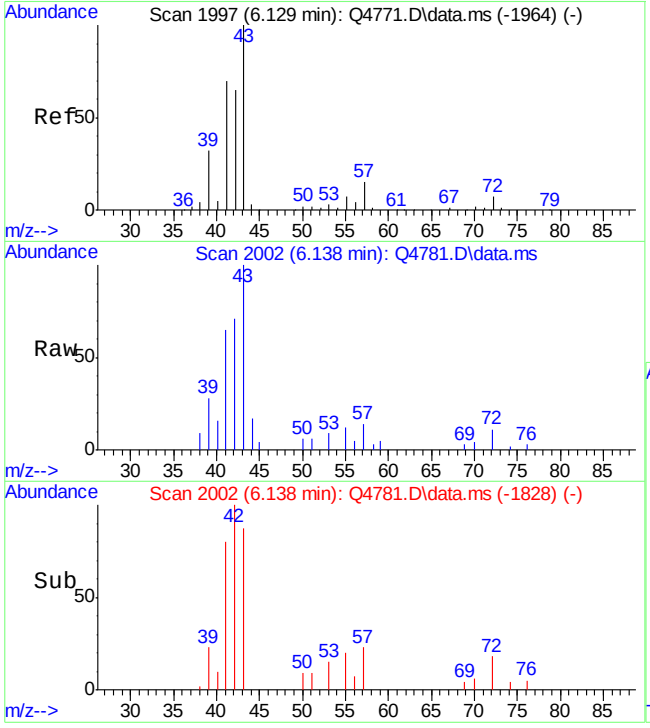


#12
ACETONE
Concen: 9.81 PPBV
RT: 5.588 min Scan# 1692
Delta R.T. 0.004 min
Lab File: Q4781.D
Acq: 2 Oct 2007 9:53 pm

Tgt Ion: 43 Resp: 635399

Ion	Ratio	Lower	Upper
43	100		
58	19.8	1.6	41.6

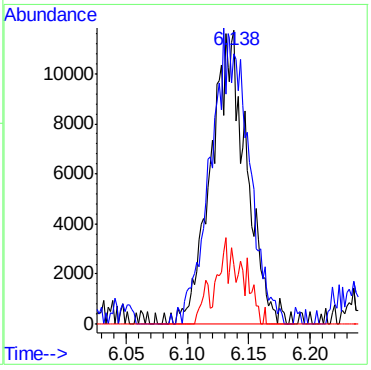


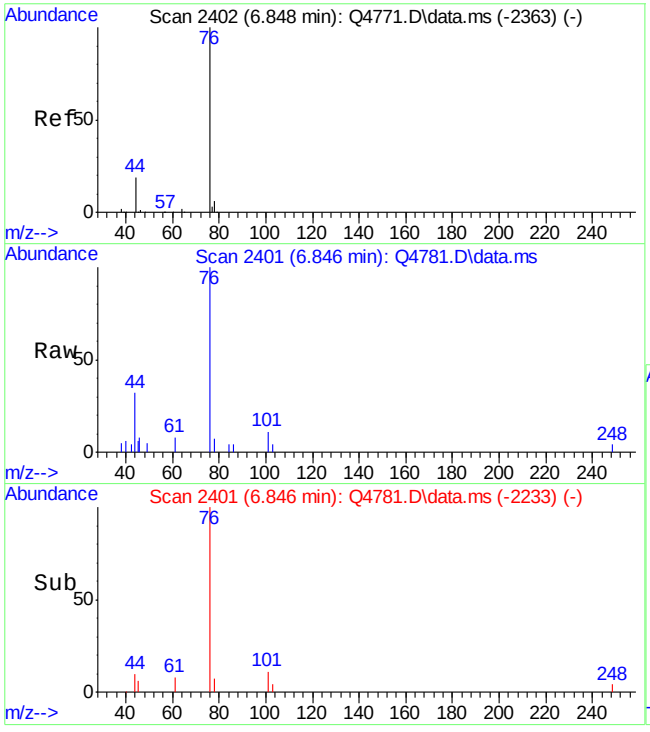


#13
PENTANE
Concen: 0.59 PPBV
RT: 6.138 min Scan# 2002
Delta R.T. 0.009 min
Lab File: Q4781.D
Acq: 2 Oct 2007 9:53 pm

Tgt Ion: 42 Resp: 23796

Ion	Ratio	Lower	Upper
42	100		
41	106.8	87.5	127.5
57	18.8	3.7	43.7

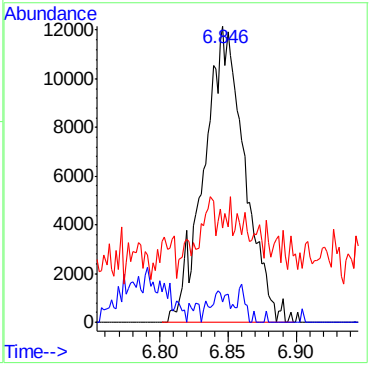


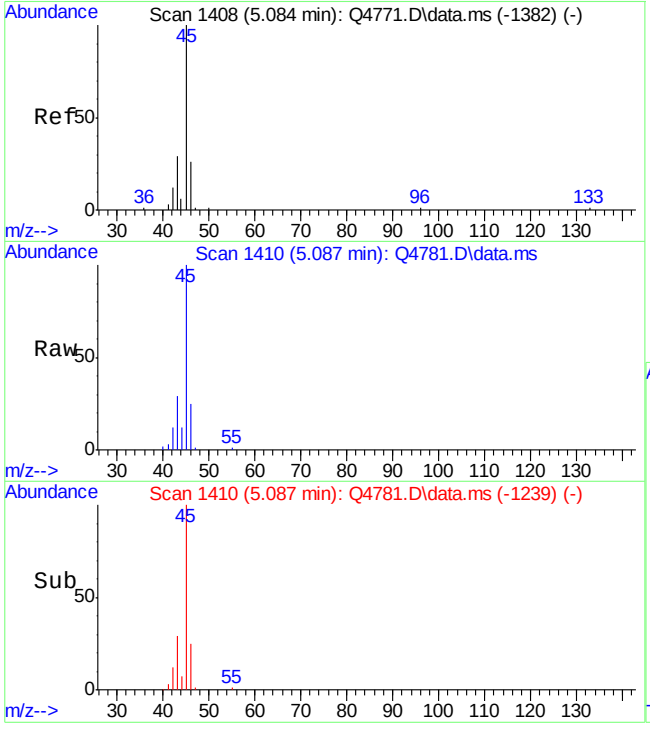


#15
CARBON DISULFIDE
Concen: 0.19 PPBV
RT: 6.846 min Scan# 2401
Delta R.T. -0.002 min
Lab File: Q4781.D
Acq: 2 Oct 2007 9:53 pm

Tgt Ion: 76 Resp: 25211

Ion	Ratio	Lower	Upper
76	100		
78	4.5	0.0	29.1
44	12.5	0.0	39.4

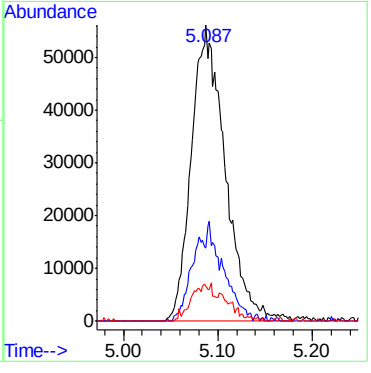


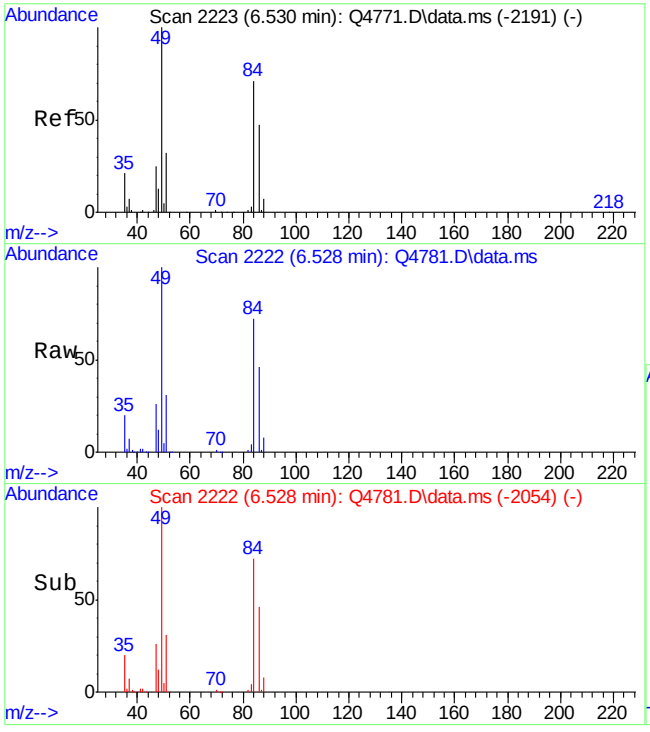


#16
ETHANOL
Concen: 10.93 PPBV
RT: 5.087 min Scan# 1410
Delta R.T. 0.004 min
Lab File: Q4781.D
Acq: 2 Oct 2007 9:53 pm

Tgt Ion: 45 Resp: 139253

Ion	Ratio	Lower	Upper
45	100		
46	29.4	10.9	50.9
42	12.6	0.0	33.0

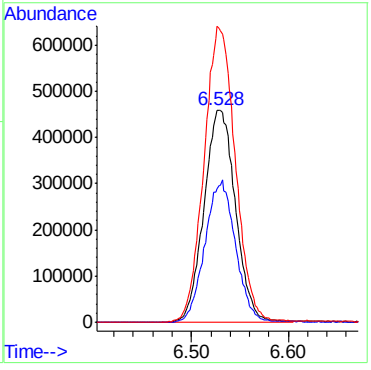


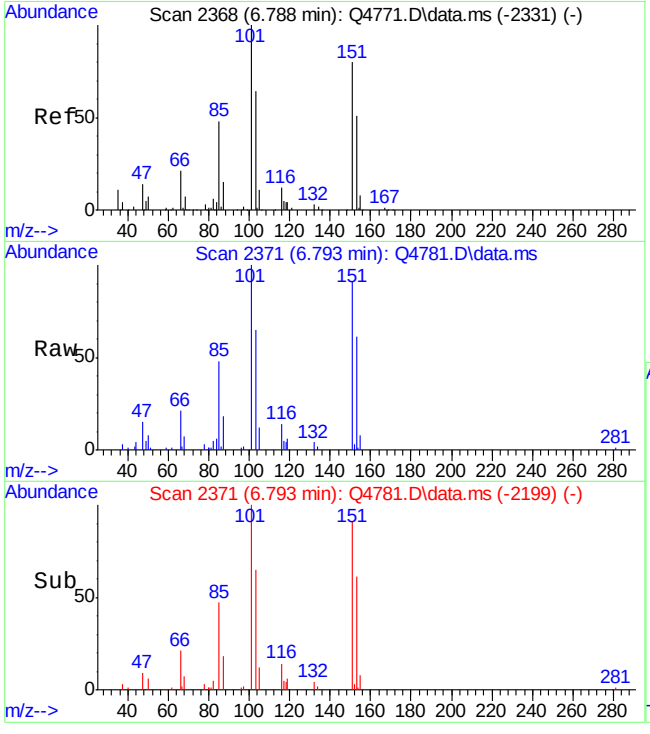


#18
METHYLENE CHLORIDE
Concen: 28.71 PPBV
RT: 6.528 min Scan# 2222
Delta R.T. -0.002 min
Lab File: Q4781.D
Acq: 2 Oct 2007 9:53 pm

Tgt Ion: 84 Resp: 1038813

Ion	Ratio	Lower	Upper
84	100		
86	65.2	45.3	85.3
49	139.5	0.0	345.1

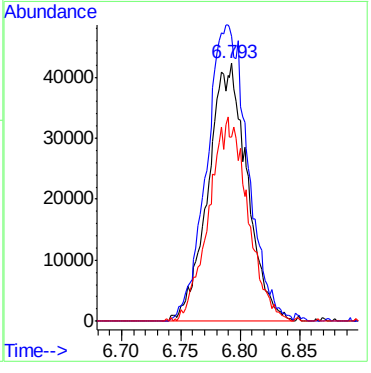




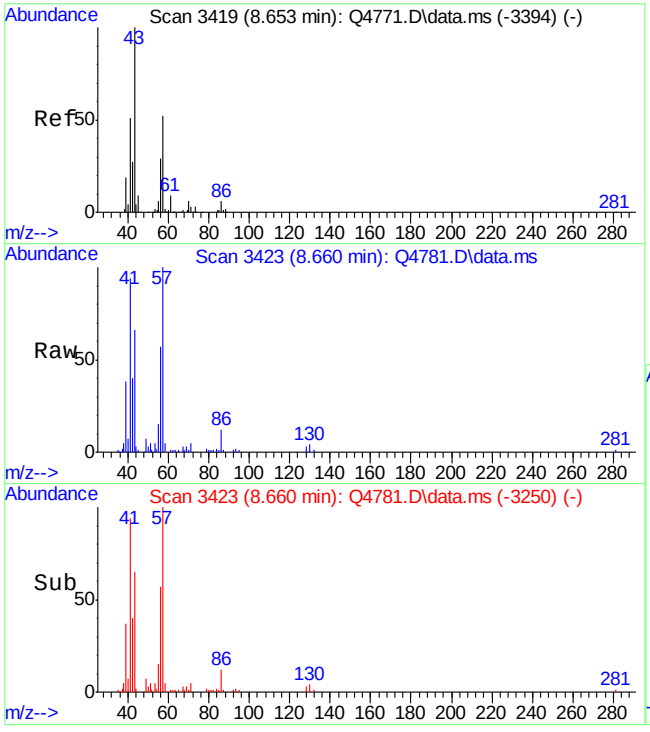
#20
FREON 113
Concen: 0.94 PPBV
RT: 6.793 min Scan# 2371
Delta R.T. 0.005 min
Lab File: Q4781.D
Acq: 2 Oct 2007 9:53 pm

Tgt Ion:151 Resp: 96634

Ion	Ratio	Lower	Upper
151	100		
101	121.2	103.1	143.1
103	78.6	58.5	98.5



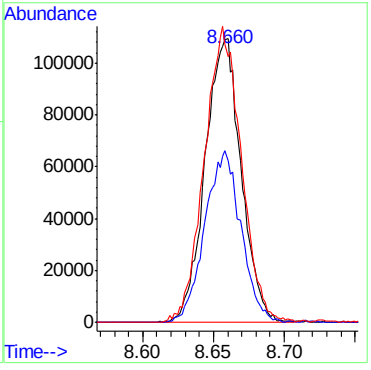
ACCUTEST Laboratories M67846

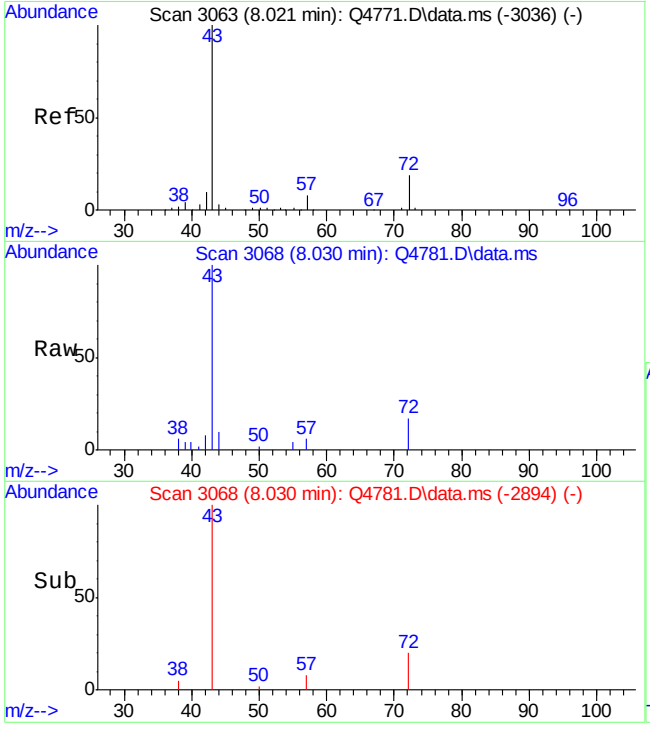


#25
HEXANE
Concen: 3.79 PPBV
RT: 8.660 min Scan# 3423
Delta R.T. 0.007 min
Lab File: Q4781.D
Acq: 2 Oct 2007 9:53 pm

Tgt Ion: 57 Resp: 193940

Ion	Ratio	Lower	Upper
57	100		
56	60.7	37.5	77.5
41	107.0	85.1	125.1

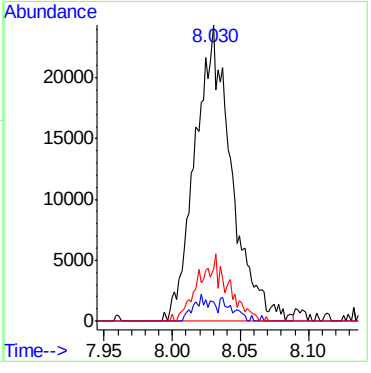


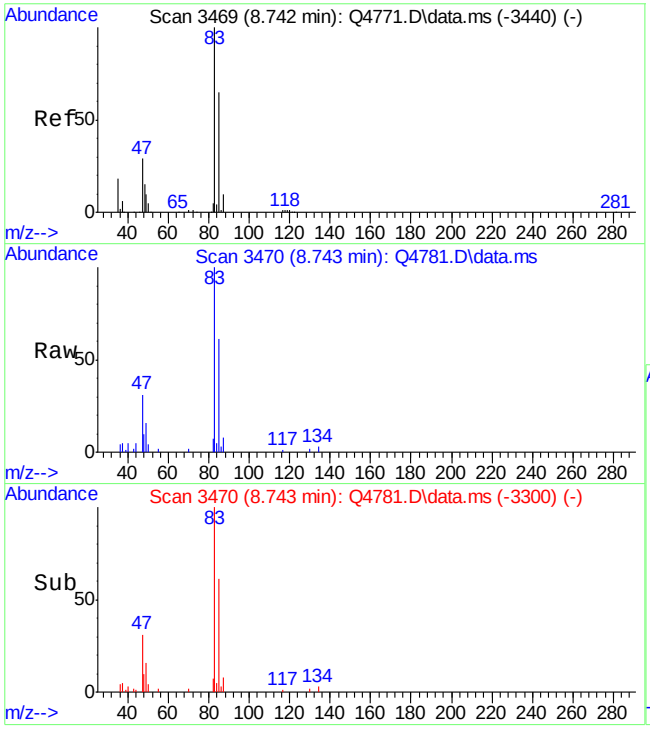


#28
METHYL ETHYL KETONE
Concen: 0.71 PPBV
RT: 8.030 min Scan# 3068
Delta R.T. 0.009 min
Lab File: Q4781.D
Acq: 2 Oct 2007 9:53 pm

Tgt Ion: 43 Resp: 45280

Ion	Ratio	Lower	Upper
43	100		
57	6.5	0.0	27.7
72	17.3	0.0	39.3

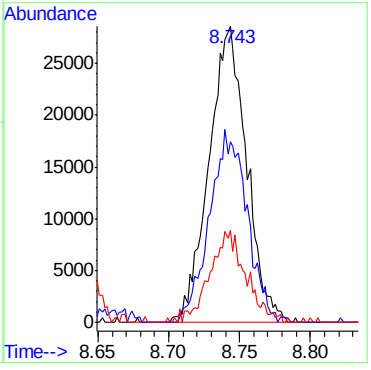


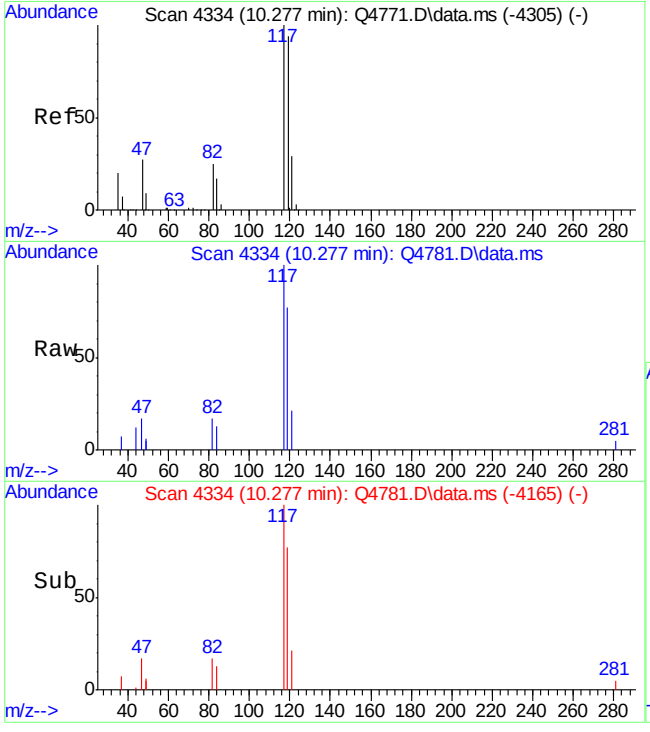


#31
CHLOROFORM
Concen: 0.49 PPBV
RT: 8.743 min Scan# 3470
Delta R.T. 0.002 min
Lab File: Q4781.D
Acq: 2 Oct 2007 9:53 pm

Tgt Ion: 83 Resp: 52717

Ion	Ratio	Lower	Upper
83	100		
85	65.1	45.0	85.0
47	29.6	10.2	50.2

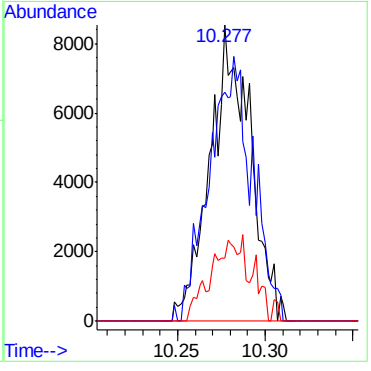




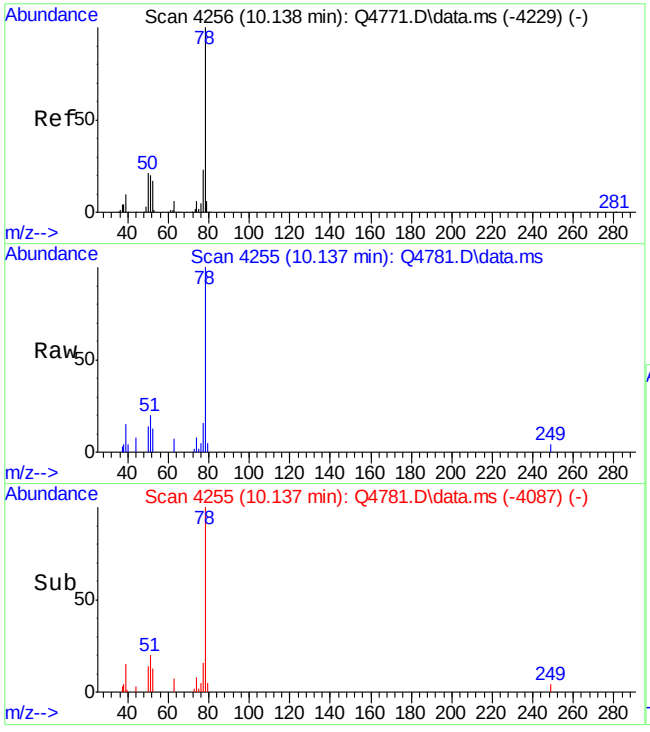
#33
CARBON TETRACHLORIDE
Concen: 0.09 PPBV
RT: 10.277 min Scan# 4334
Delta R.T. -0.000 min
Lab File: Q4781.D
Acq: 2 Oct 2007 9:53 pm

Tgt Ion:117 Resp: 13517

Ion	Ratio	Lower	Upper
117	100		
119	96.3	76.6	116.6
121	29.3	10.7	50.7



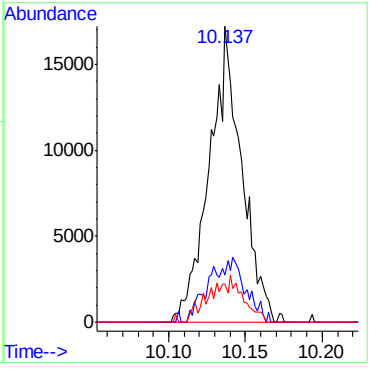
ACCUTEST Laboratories M67846

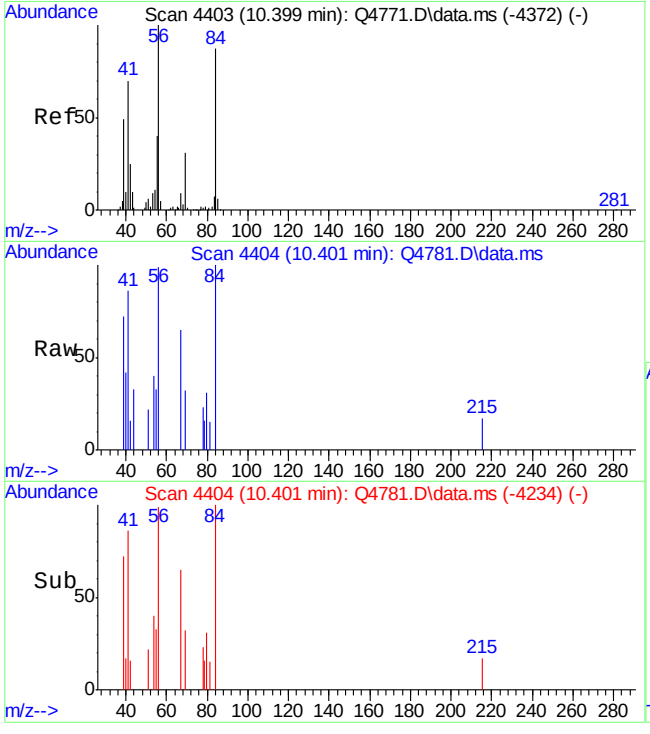


#36
BENZENE
Concen: 0.29 PPBV
RT: 10.137 min Scan# 4255
Delta R.T. -0.002 min
Lab File: Q4781.D
Acq: 2 Oct 2007 9:53 pm

Tgt Ion: 78 Resp: 25265

Ion	Ratio	Lower	Upper
78	100		
77	24.7	4.0	44.0
52	16.2	0.0	37.0

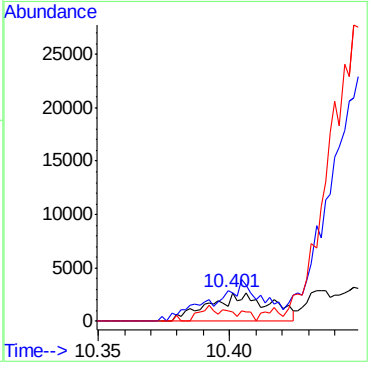


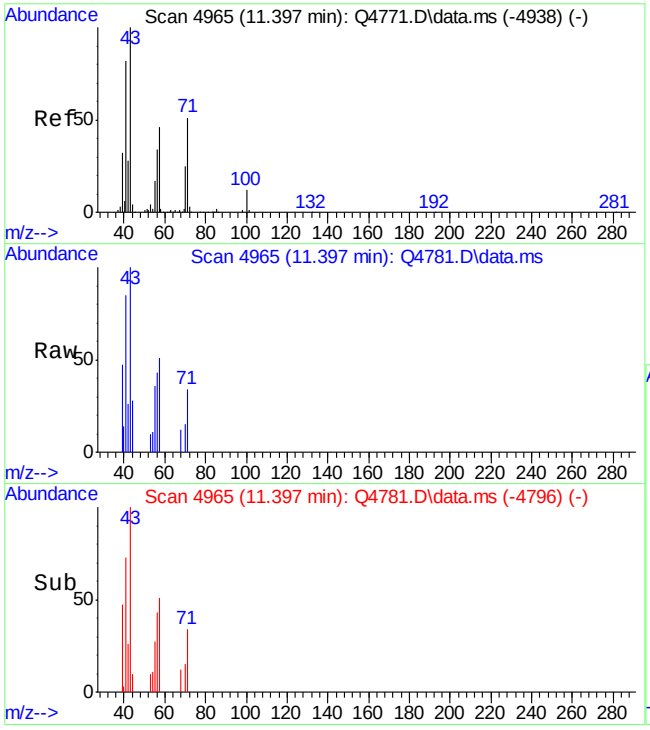


#37
CYCLOHEXANE
Concen: 0.11 PPBV
RT: 10.401 min Scan# 4404
Delta R.T. 0.002 min
Lab File: Q4781.D
Acq: 2 Oct 2007 9:53 pm

Tgt Ion: 84 Resp: 4235

Ion	Ratio	Lower	Upper
84	100		
56	121.4	105.7	145.7
69	29.1	18.0	58.0

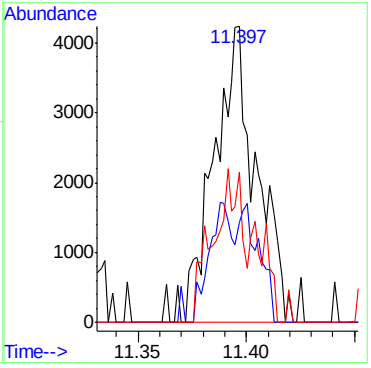


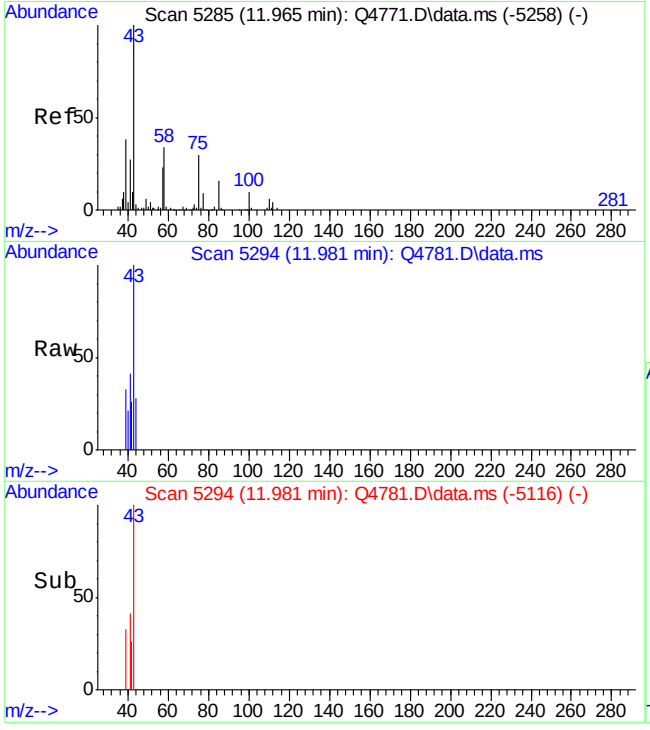


#43
HEPTANE
Concen: 0.12 PPBV
RT: 11.397 min Scan# 4965
Delta R.T. -0.000 min
Lab File: Q4781.D
Acq: 2 Oct 2007 9:53 pm

Tgt Ion: 43 Resp: 5842

Ion	Ratio	Lower	Upper
43	100		
71	41.3	30.8	70.8
57	47.4	29.0	69.0

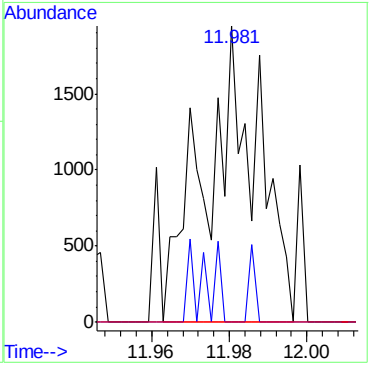


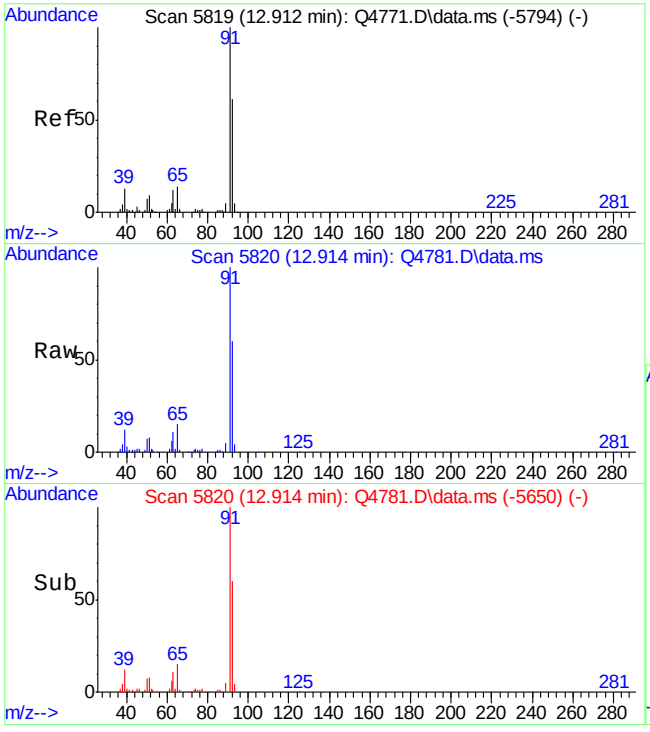


#44
METHYL ISOBUTYL KETONE
Concen: 0.56 PPBV m
RT: 11.981 min Scan# 5294
Delta R.T. 0.017 min
Lab File: Q4781.D
Acq: 2 Oct 2007 9:53 pm

Tgt Ion: 43 Resp: 1844

Ion	Ratio	Lower	Upper
43	100		
58	0.0	14.5	54.5#
100	0.0	0.0	30.4

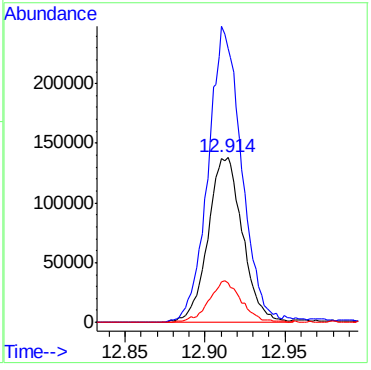


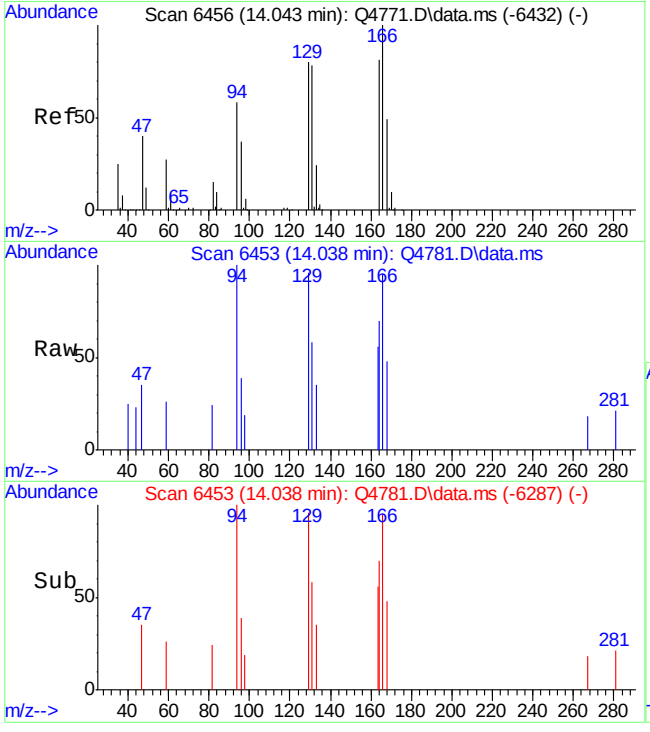


#46
TOLUENE
Concen: 3.43 PPBV
RT: 12.914 min Scan# 5820
Delta R.T. 0.002 min
Lab File: Q4781.D
Acq: 2 Oct 2007 9:53 pm

Tgt Ion: 92 Resp: 206412

Ion	Ratio	Lower	Upper
92	100		
91	178.0	150.2	190.2
65	23.6	1.8	41.8

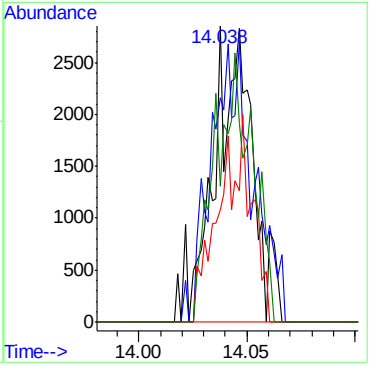


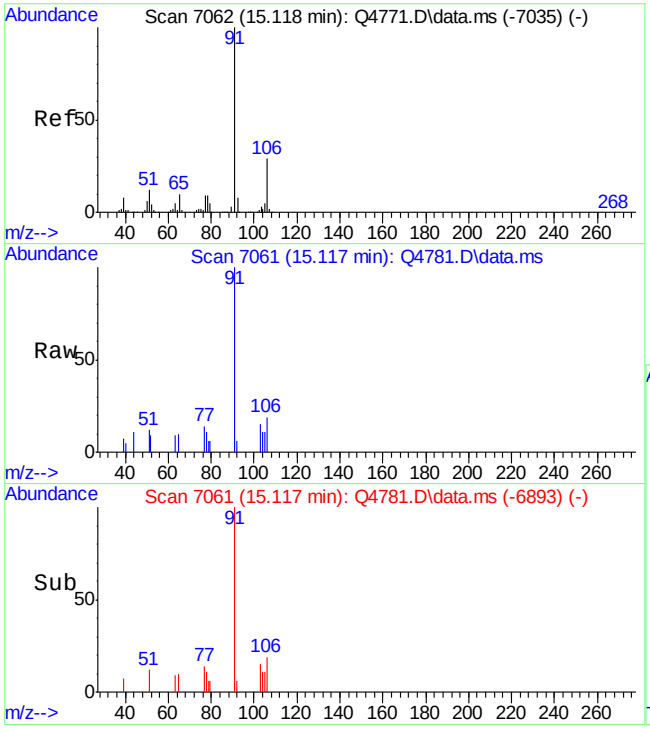


#51
TETRACHLOROETHYLENE
Concen: 0.07 PPBV
RT: 14.038 min Scan# 6453
Delta R.T. -0.005 min
Lab File: Q4781.D
Acq: 2 Oct 2007 9:53 pm

Tgt Ion:164 Resp: 3548

Ion	Ratio	Lower	Upper
164	100		
129	101.4	81.9	121.9
168	58.1	41.6	81.6
131	87.5	77.2	117.2

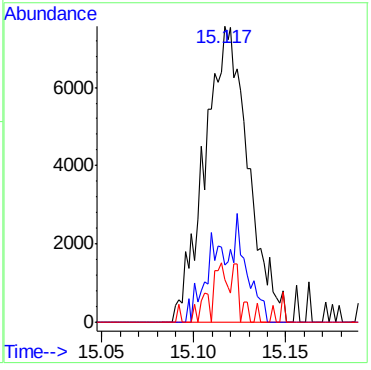


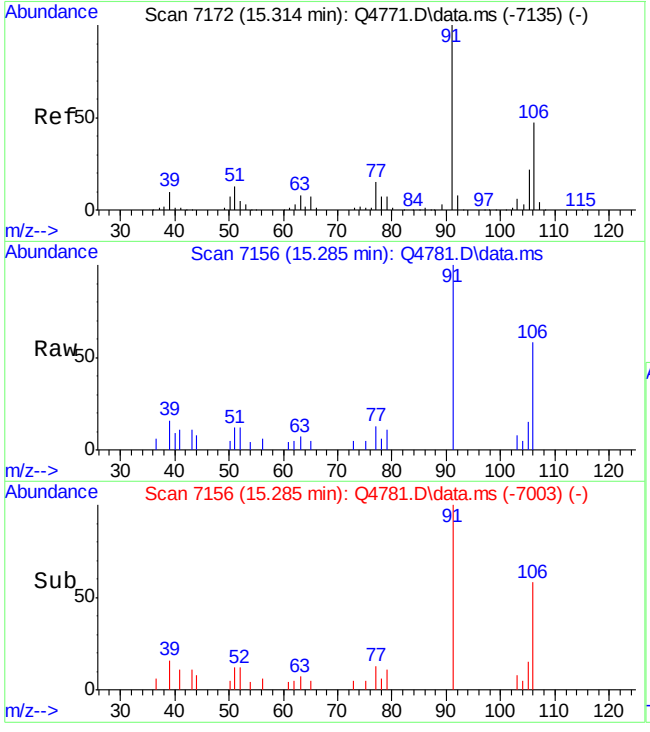


#55
ETHYLBENZENE
Concen: 0.59 PPBV
RT: 15.117 min Scan# 7061
Delta R.T. -0.001 min
Lab File: Q4781.D
Acq: 2 Oct 2007 9:53 pm

Tgt Ion: 91 Resp: 12368

Ion	Ratio	Lower	Upper
91	100		
106	26.0	8.9	48.9
77	11.9	0.0	29.4

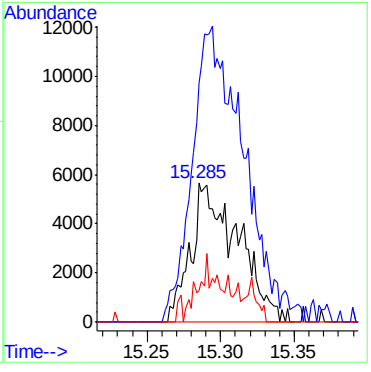


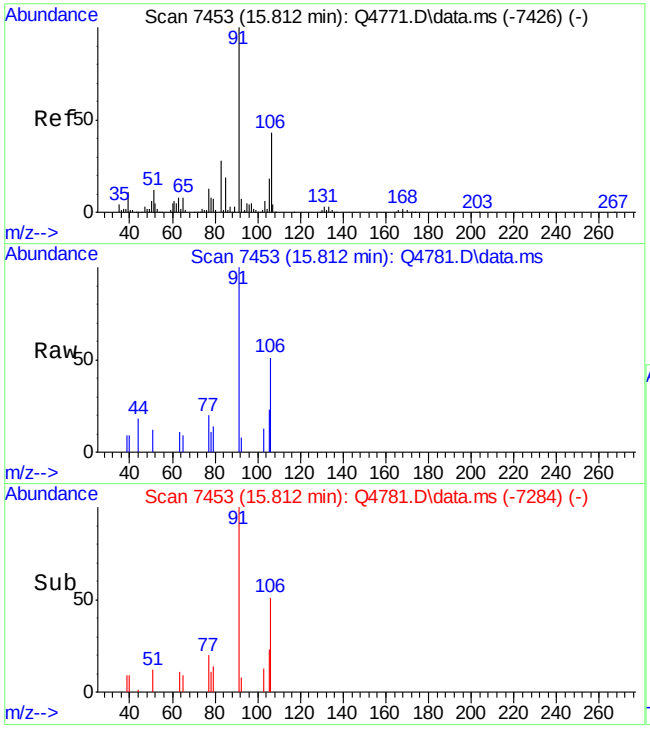


#56
m,p-XYLENE
Concen: 1.16 PPBV
RT: 15.285 min Scan# 7156
Delta R.T. -0.028 min
Lab File: Q4781.D
Acq: 2 Oct 2007 9:53 pm

Tgt Ion:106 Resp: 12636

Ion	Ratio	Lower	Upper
106	100		
91	171.8	170.9	256.3
77	23.0	25.1	37.7#

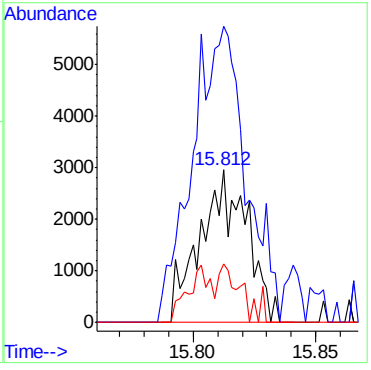


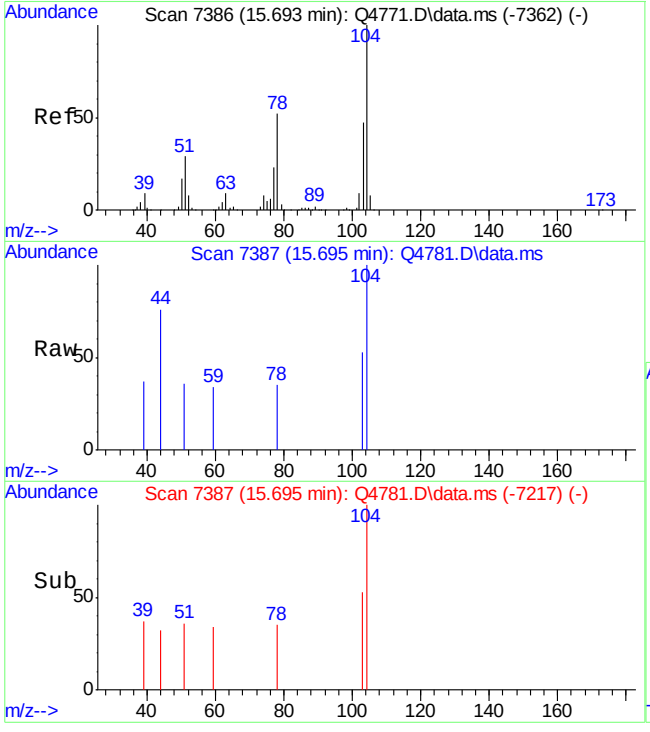


#57
o-XYLENE
Concen: 0.57 PPBV
RT: 15.812 min Scan# 7453
Delta R.T. 0.000 min
Lab File: Q4781.D
Acq: 2 Oct 2007 9:53 pm

Tgt Ion:106 Resp: 3911

Ion	Ratio	Lower	Upper
106	100		
91	241.8	212.7	252.7
77	17.2	11.3	51.3

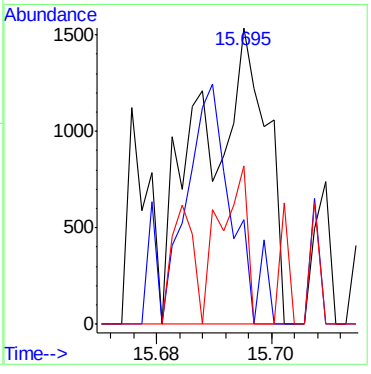


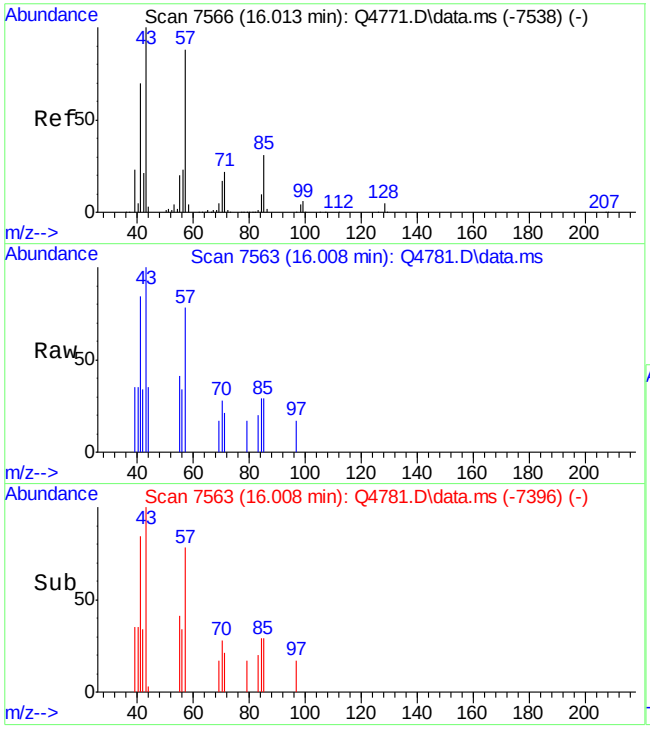


#58
STYRENE
Concen: 0.59 PPBV m
RT: 15.695 min Scan# 7387
Delta R.T. 0.002 min
Lab File: Q4781.D
Acq: 2 Oct 2007 9:53 pm

Tgt Ion:104 Resp: 1224

Ion	Ratio	Lower	Upper
104	100		
78	0.0	30.3	70.3#
103	35.3	27.6	67.6

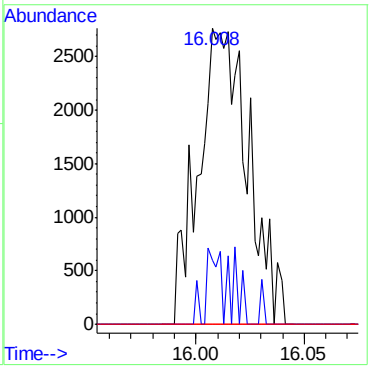


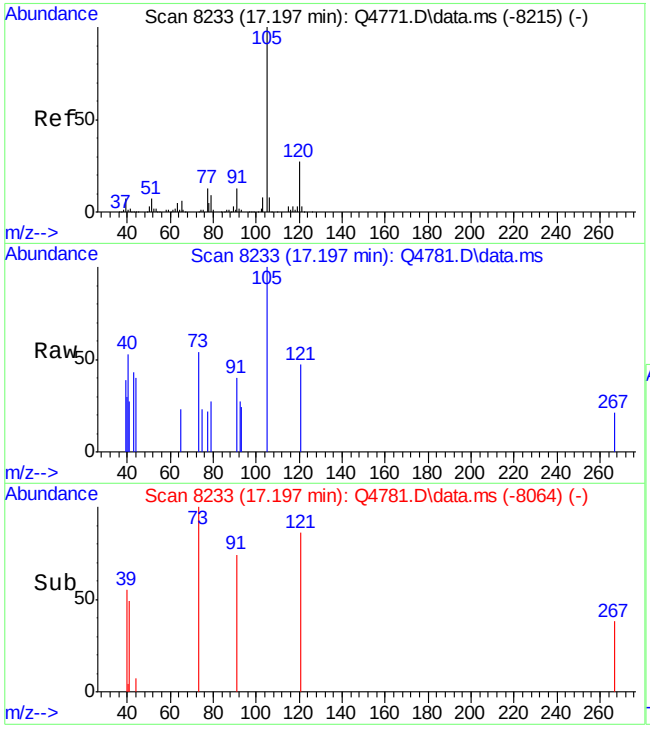


#59
NONANE
Concen: 0.47 PPBV
RT: 16.008 min Scan# 7563
Delta R.T. -0.004 min
Lab File: Q4781.D
Acq: 2 Oct 2007 9:53 pm

Tgt Ion: 43 Resp: 4407

Ion	Ratio	Lower	Upper
43	100		
71	8.6	1.4	41.4
128	0.0	0.0	24.3

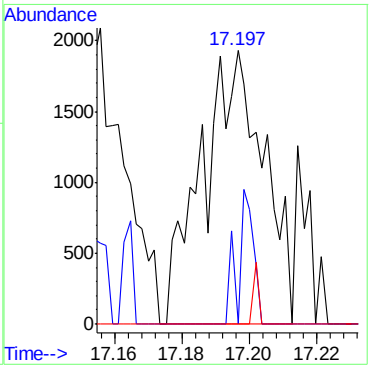


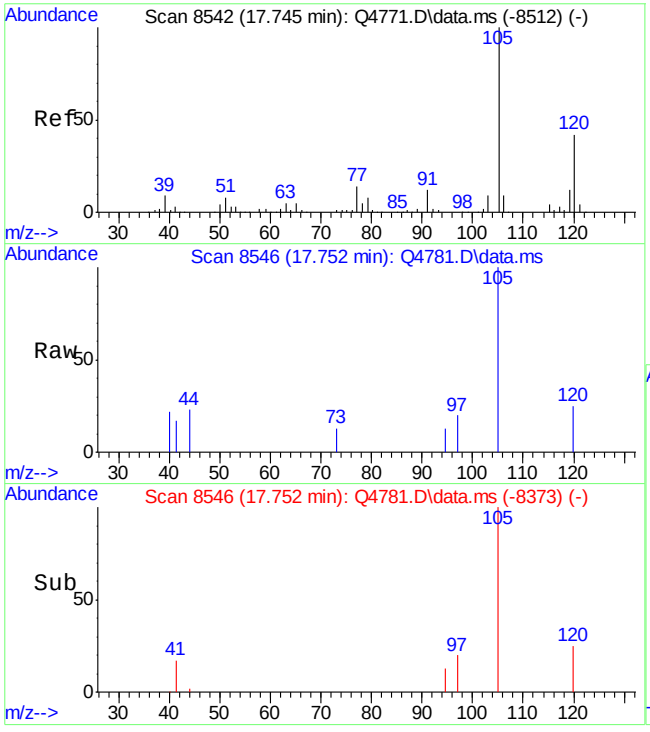


#65
4-ETHYLTOLUENE
Concen: 0.60 PPBV m
RT: 17.197 min Scan# 8233
Delta R.T. 0.001 min
Lab File: Q4781.D
Acq: 2 Oct 2007 9:53 pm

Tgt Ion:105 Resp: 2467

Ion	Ratio	Lower	Upper
105	100		
120	12.8	7.7	47.7
119	6.0	0.0	22.6

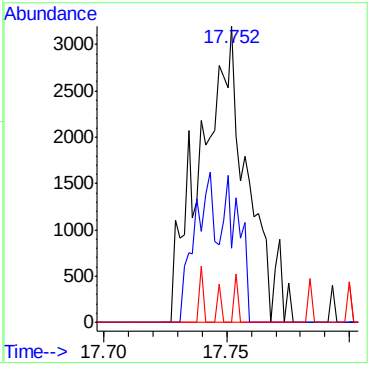




#67
1,2,4-TRIMETHYLBENZENE
Concen: 0.71 PPBV
RT: 17.752 min Scan# 8546
Delta R.T. 0.007 min
Lab File: Q4781.D
Acq: 2 Oct 2007 9:53 pm

Tgt Ion:105 Resp: 4232

Ion	Ratio	Lower	Upper
105	100		
120	40.2	23.2	63.2
119	0.0	0.0	31.5



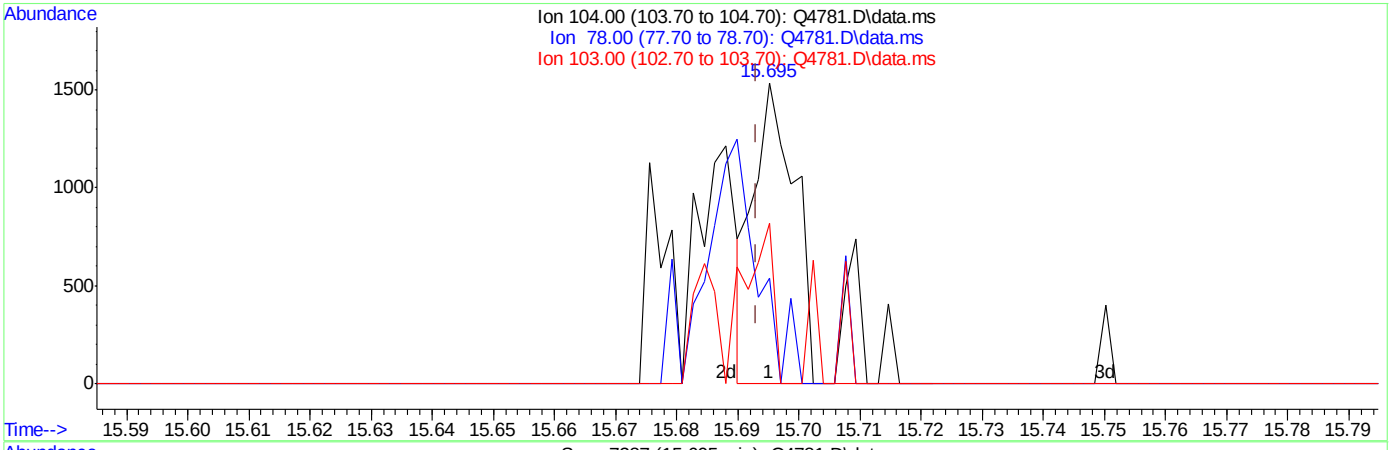
6.4.1

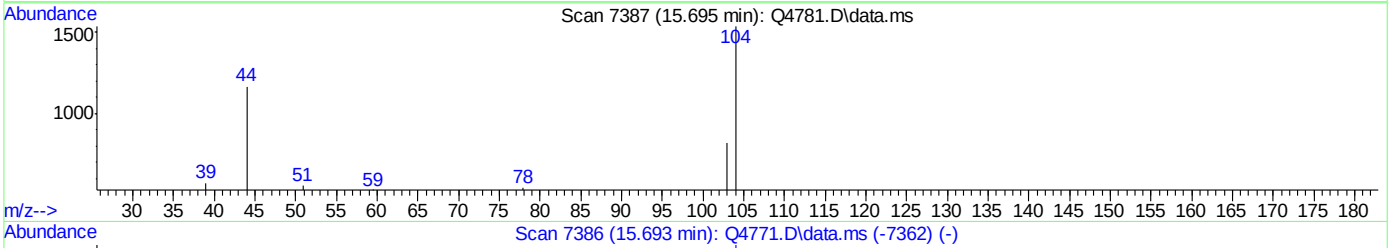
6

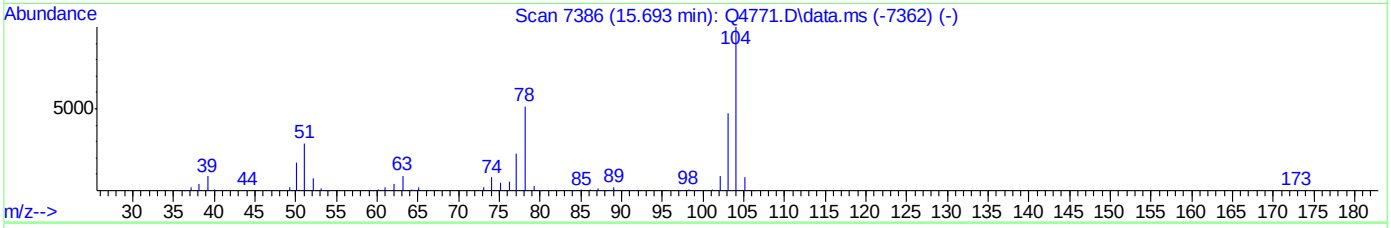
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4781.D
Acq On : 2 Oct 2007 9:53 pm
Operator : danat
Sample : m67846-2dup (M001)
Misc : MS14329,MSQ246,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 03 09:57:50 2007
Quant Method : C:\msdchem\1\METHODS\Q100207T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Oct 03 09:29:03 2007
Response via : Initial Calibration







TIC: Q4781.D\data.ms

(58) STYRENE (m)

15.695min (+0.002) 0.58PPBV

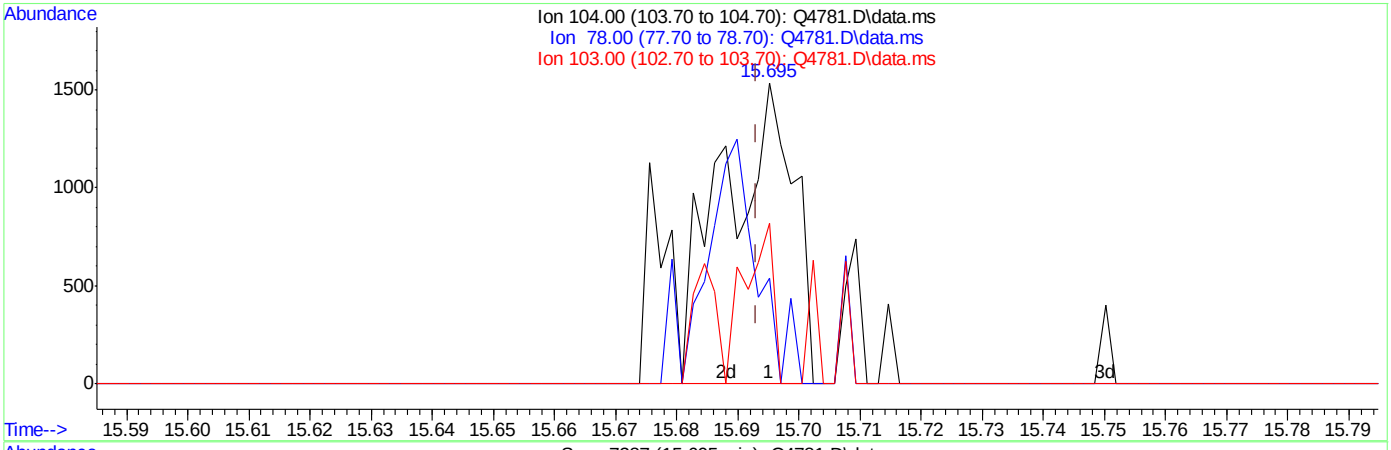
response 894

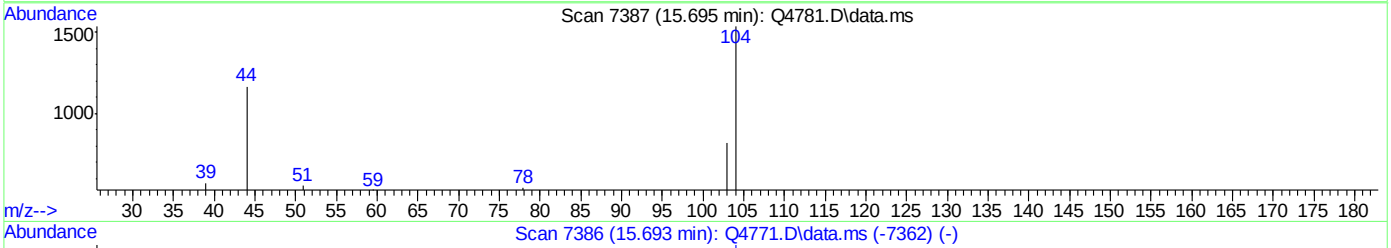
Ion	Exp%	Act%
104.00	100	100
78.00	50.30	0.00#
103.00	47.60	48.32
0.00	0.00	0.00

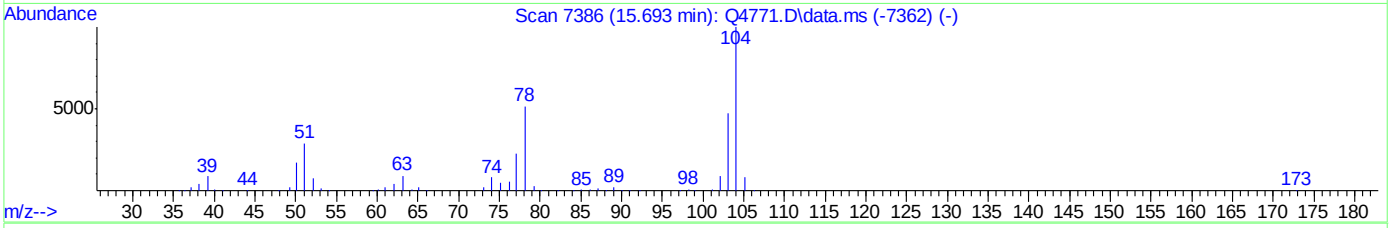
Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q4781.D
Acq On    :  2 Oct 2007   9:53 pm
Operator  : danat
Sample    : m67846-2dup (M001)
Misc      : MS14329,MSQ246,,,,,1
ALS Vial  : 6   Sample Multiplier: 1

Quant Time: Oct 03 09:57:50 2007
Quant Method : C:\msdchem\1\METHODS\Q100207T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Oct 03 09:29:03 2007
Response via : Initial Calibration
```





TIC: Q4781.D\data.ms

(58) STYRENE (m)

15.695min (+0.002) 0.59PPBV m

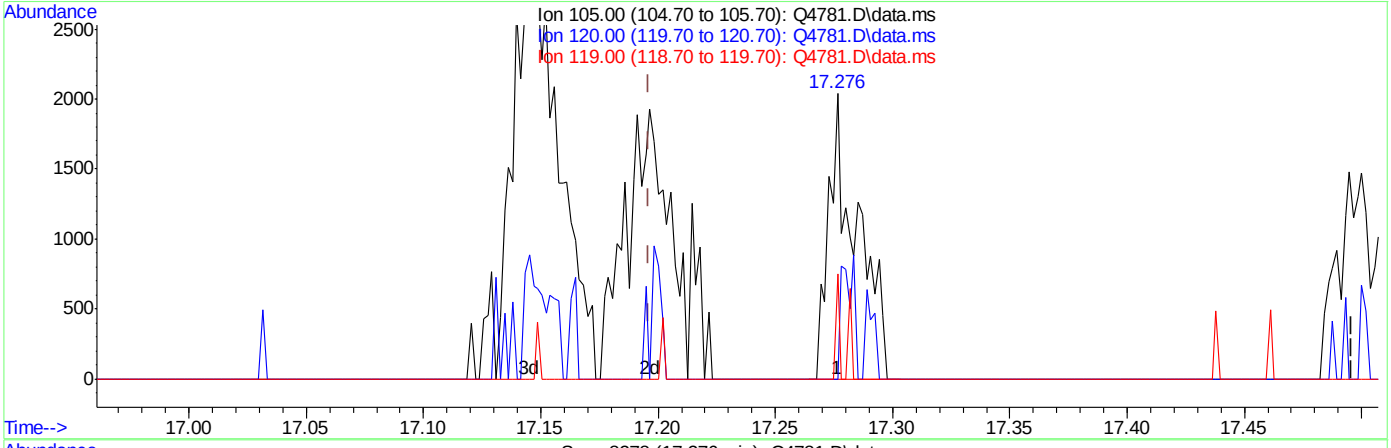
response 1224

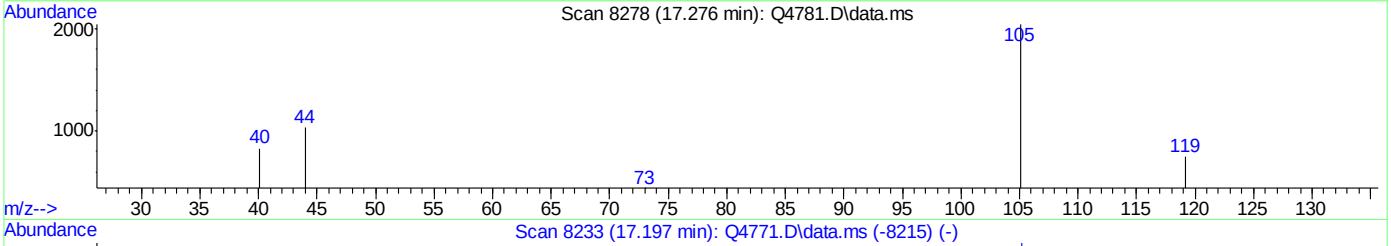
Ion	Exp%	Act%
104.00	100	100
78.00	50.30	0.00#
103.00	47.60	35.29
0.00	0.00	0.00

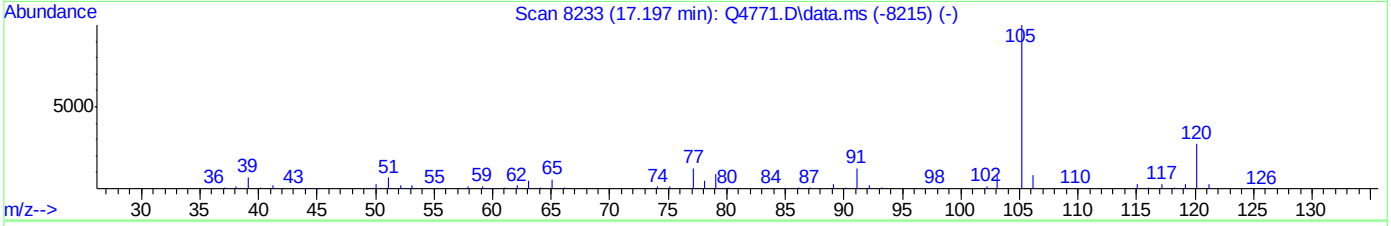
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4781.D
Acq On : 2 Oct 2007 9:53 pm
Operator : danat
Sample : m67846-2dup (M001)
Misc : MS14329,MSQ246,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 03 09:57:50 2007
Quant Method : C:\msdchem\1\METHODS\Q100207T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Oct 03 09:29:03 2007
Response via : Initial Calibration







TIC: Q4781.D\data.ms

(65) 4-ETHYLTOLUENE (m)

17.276min (+0.080) 0.60PPBV

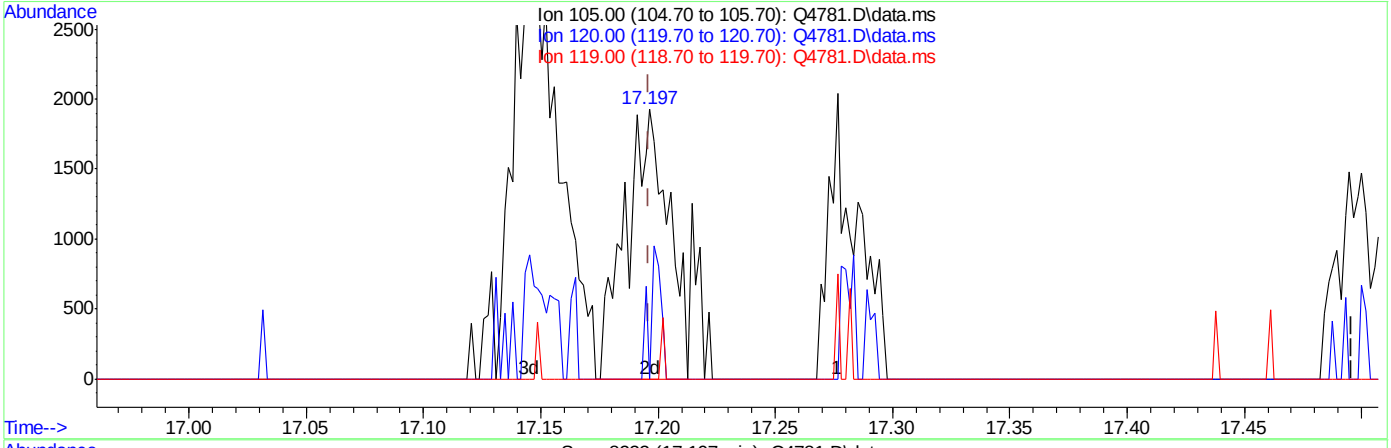
response 1710

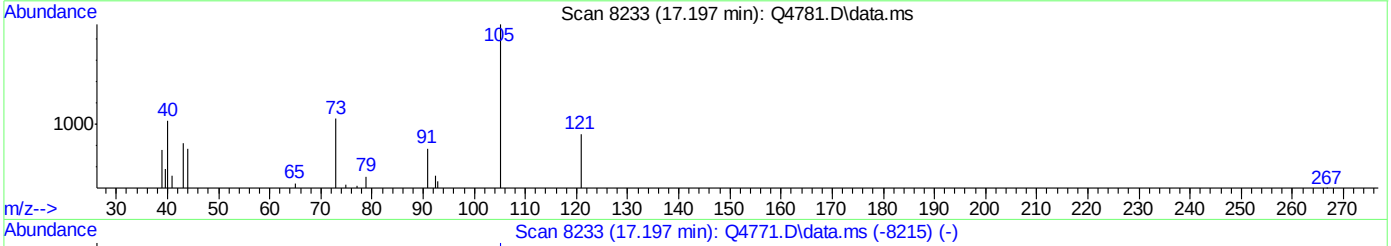
Ion	Exp%	Act%
105.00	100	100
120.00	27.70	18.54
119.00	2.60	8.65
0.00	0.00	0.00

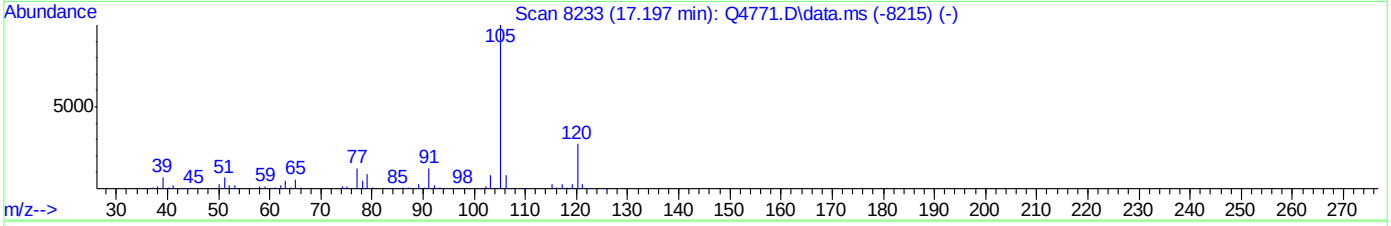
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4781.D
Acq On : 2 Oct 2007 9:53 pm
Operator : danat
Sample : m67846-2dup (M001)
Misc : MS14329,MSQ246,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 03 09:57:50 2007
Quant Method : C:\msdchem\1\METHODS\Q100207T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Oct 03 09:29:03 2007
Response via : Initial Calibration







TIC: Q4781.D\data.ms

(65) 4-ETHYLTOLUENE (m)

17.197min (+0.001) 0.60PPBV m

response 2467

Ion	Exp%	Act%
105.00	100	100
120.00	27.70	12.85
119.00	2.60	6.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10848.D
Acq On : 3 Jul 2007 5:16 pm
Operator : danat
Sample : scc (M001)
Misc : MS13857, MSJ561,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 05 17:37:46 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Jun 25 18:15:12 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	329502	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.43	114	1151413	10.00	PPBV	-0.01
49) CHLOROBENZENE-D5	14.66	117	1008939	10.00	PPBV	-0.01

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.28	95	282504	4.43	PPBV	-0.02

Spiked Amount 5.000 Range 51 - 142 Recovery = 88.60%

Target Compounds	Qvalue

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

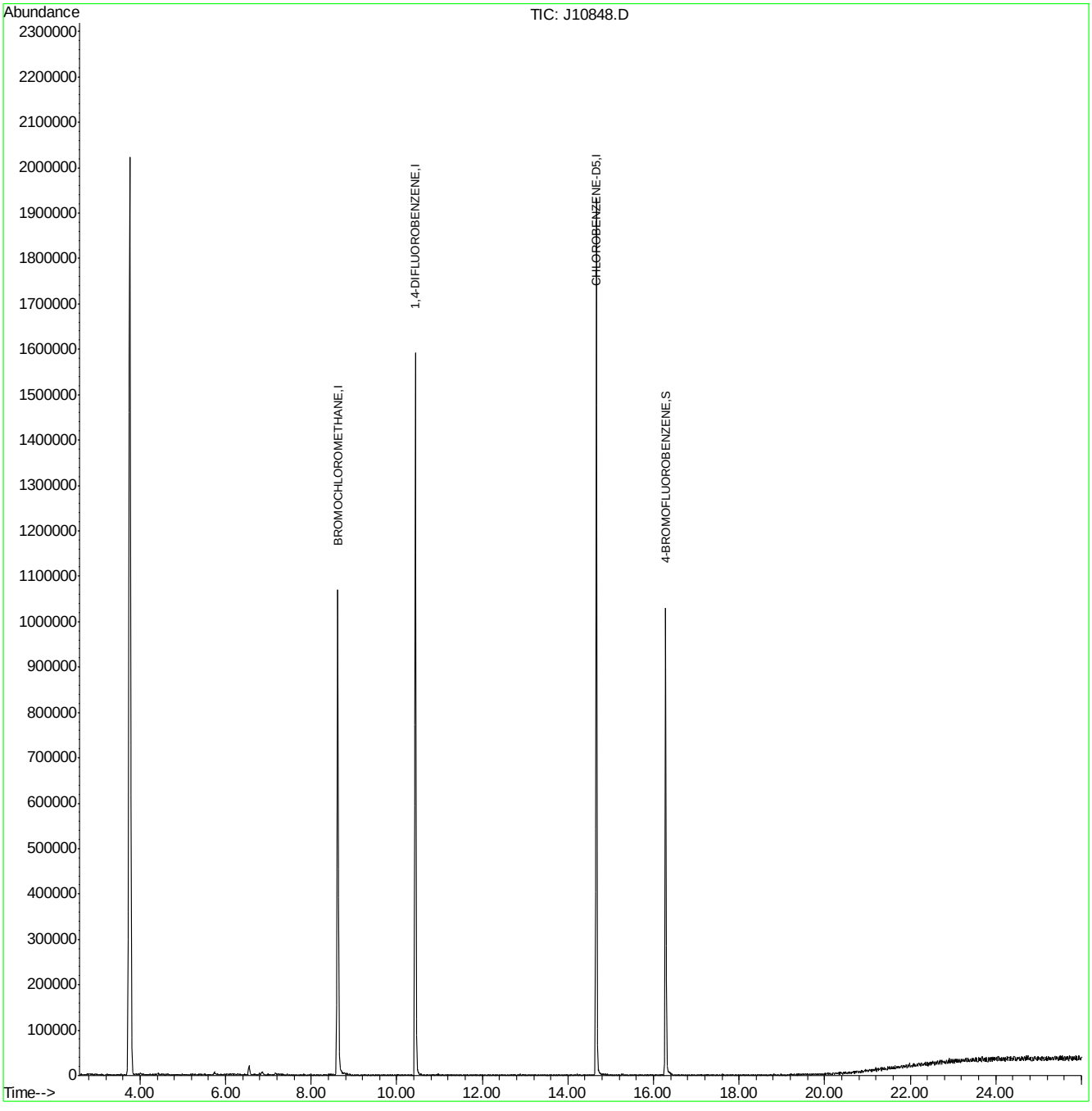
6.5.1

6

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10848.D
Acq On : 3 Jul 2007 5:16 pm
Operator : danat
Sample : scc (M001)
Misc : MS13857, MSJ561,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 05 17:37:46 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Jun 25 18:15:12 2007
Response via : Initial Calibration



J062507T.M Thu Jul 05 17:37:56 2007 Page: 2

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10852.D
Acq On : 3 Jul 2007 8:34 pm
Operator : danat
Sample : scc (M024)
Misc : MS13857, MSJ561,,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 05 17:41:47 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Jun 25 18:15:12 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.63	128	394533	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.44	114	1657973	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.67	117	1425246	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.28	95	417253	4.64	PPBV	-0.01

Spiked Amount 5.000 Range 51 - 142 Recovery = 92.80%

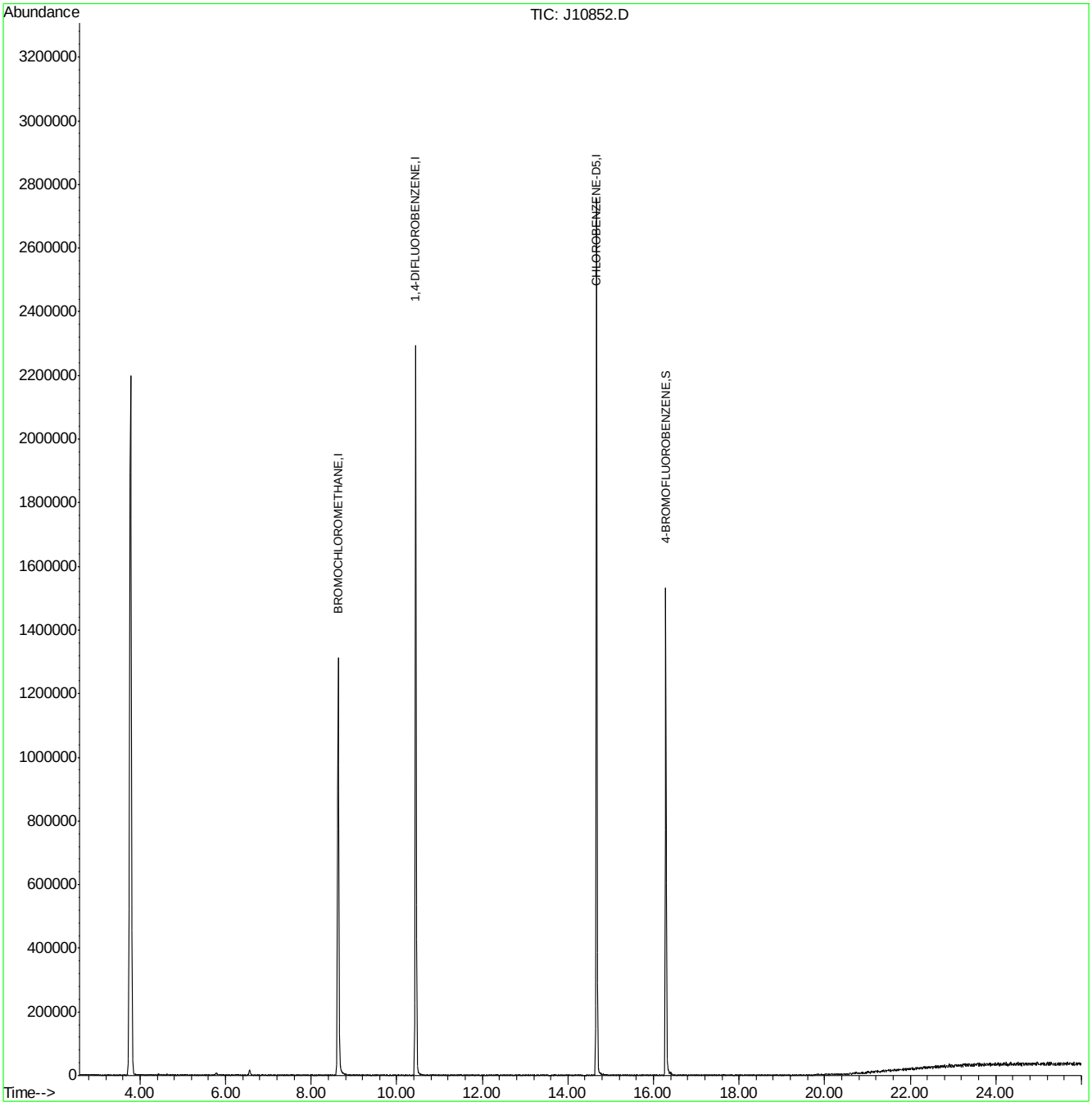
Target Compounds Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10852.D
Acq On : 3 Jul 2007 8:34 pm
Operator : danat
Sample : scc (M024)
Misc : MS13857, MSJ561,,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 05 17:41:47 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Jun 25 18:15:12 2007
Response via : Initial Calibration

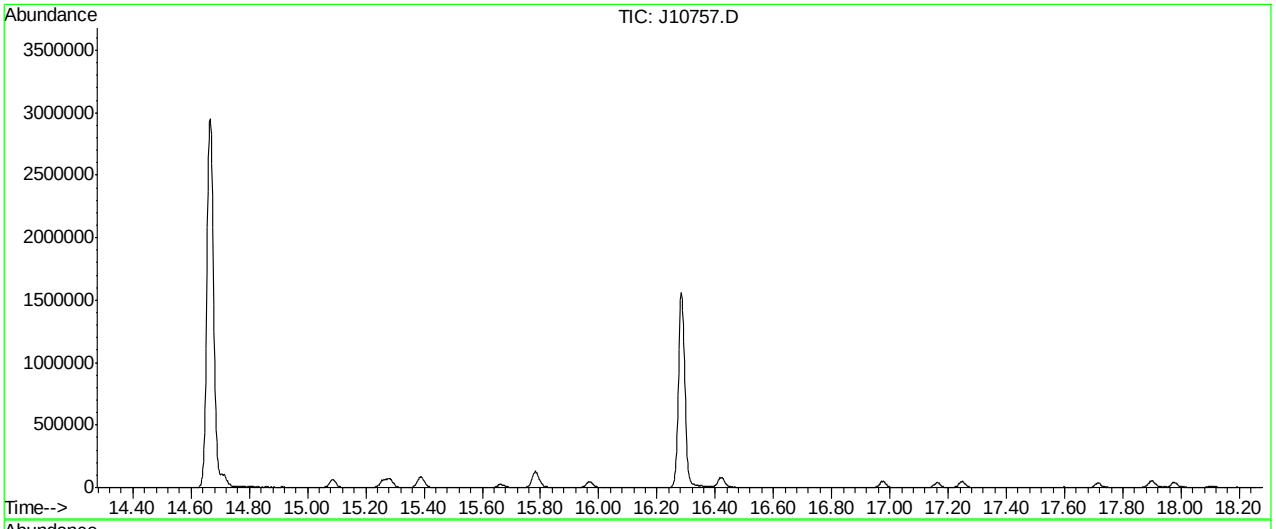


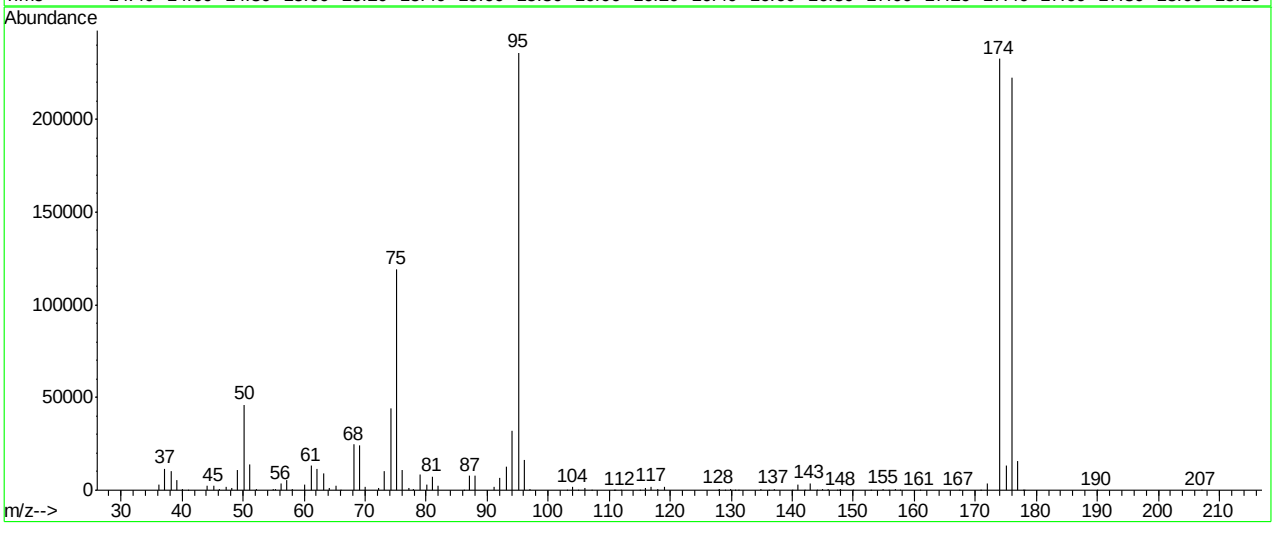
BFB

Data File : C:\MSDChem\1\data\J10757.D
Acq On : 25 Jun 2007 10:16 am
Sample : ic557-0.5 (m141)
Misc : MS13762, MSJ557,,,,,1
MS Integration Params: LSCINT.P

Vial: 2
Operator: danat
Inst : MSJ
Multiplr: 1.00

Method : C:\MSDCHEM\1\METHODS\J062507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um





Spectrum Information: Average of 16.276 to 16.279 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	19.5	46130	PASS
75	95	30	66	50.5	119232	PASS
95	95	100	100	100.0	236096	PASS
96	95	5	9	6.8	16112	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	98.5	232533	PASS
175	174	4	9	5.8	13538	PASS
176	174	93	101	95.6	222378	PASS
177	176	5	9	7.1	15745	PASS

J10757.D J062507T.M Mon Jun 25 10:47:52 2007

Average of 16.276 to 16.279 min.: J10757.D
ic557-0.5 (m141)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.15	3215	49.15	11179	62.15	11782	75.10	119232
37.20	11738	50.20	46130	63.15	9383	76.10	10981
38.20	10410	51.15	14066	64.10	1451	77.15	1196
39.15	5396	52.10	916	65.15	2661	77.90	837
40.10	583	55.00	337	66.00	286	79.00	8396
41.00	153	55.25	682	68.10	24546	80.05	3027
44.10	2217	56.15	3477	69.10	24173	81.00	7443
45.15	2401	57.15	5600	70.05	1760	82.00	2167
46.15	482	58.10	412	72.15	1297	86.10	161
47.15	1847	60.15	2790	73.15	10549	87.10	7842
48.15	1478	61.15	13170	74.15	44104	88.05	7588

Average of 16.276 to 16.279 min.: J10757.D
ic557-0.5 (m141)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
91.05	1557	107.10	138	129.00	260	144.00	156
92.10	6870	110.80	151	129.95	703	144.90	639
93.10	12991	111.00	151	130.70	146	145.80	425
94.15	32266	111.90	153	131.10	215	147.30	138
95.10	236096	115.00	216	134.95	408	147.80	207
96.10	16112	115.90	936	136.10	180	147.95	386
97.05	537	116.95	2135	137.00	745	149.85	311
103.00	138	117.95	903	140.00	147	152.80	139
104.05	1558	119.00	1691	140.95	3332	154.95	800
104.90	232	127.90	216	142.10	248	155.90	167
105.95	1142	128.05	892	142.95	3800	156.95	610

Average of 16.276 to 16.279 min.: J10757.D
ic557-0.5 (m141)

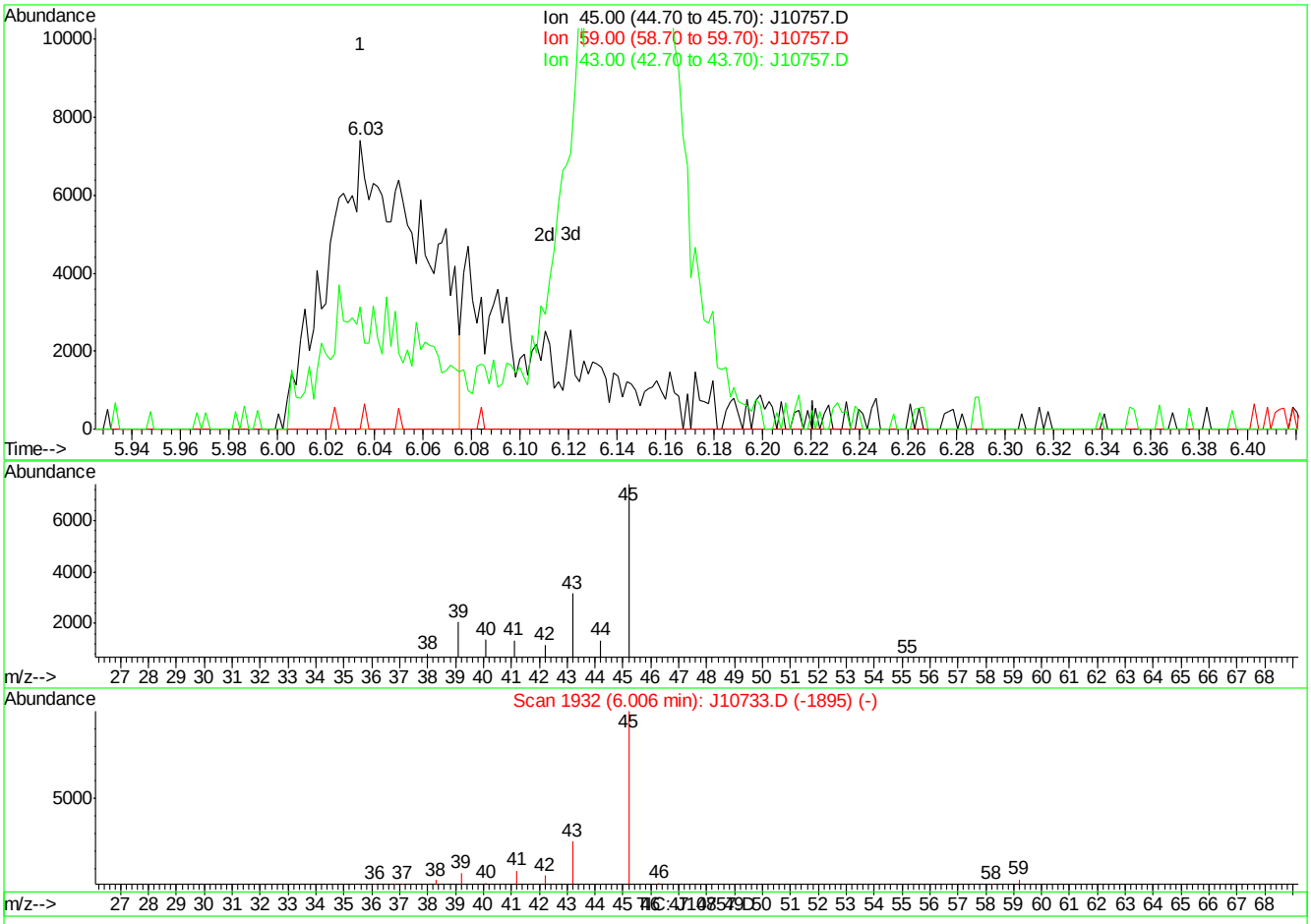
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
157.70	216	189.90	149				
160.90	252	207.00	144				
167.30	185						
170.90	169						
172.00	3719						
174.00	232533						
175.10	13538						
176.00	222378						
177.00	15745						
177.80	173						
178.10	138						

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10757.D Vial: 2
Acq On : 25 Jun 2007 10:16 am Operator: danat
Sample : ic557-0.5 (m141) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 25 10:46:29 2007 Results File: J062507T.RES

Method : C:\MSDCHEM\1\METHODS\J062507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Mon Jun 25 10:46:18 2007
Response via : Multiple Level Calibration



(11) ISOPROPYL ALCOHOL (m)

6.03min 0.43PPBV

response 20053

Ion	Exp%	Act%
45.00	100	100
59.00	3.70	0.00
43.00	25.20	42.54
0.00	0.00	0.00

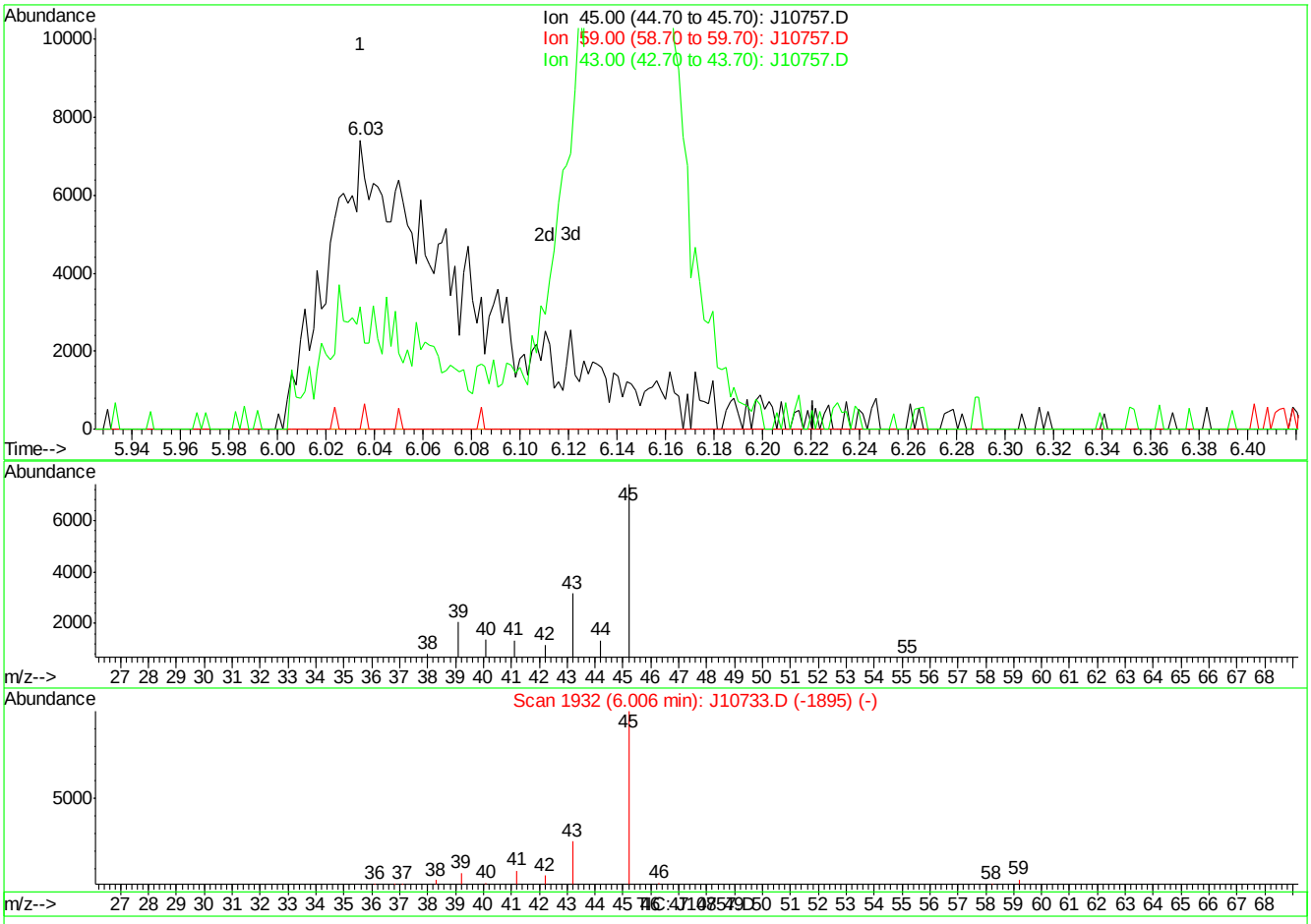
J10757.D J062507T.M Mon Jun 25 10:48:40 2007

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10757.D Vial: 2
Acq On : 25 Jun 2007 10:16 am Operator: danat
Sample : ic557-0.5 (m141) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 25 10:46:29 2007 Results File: J062507T.RES

Method : C:\MSDCHEM\1\METHODS\J062507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Mon Jun 25 10:46:18 2007
Response via : Multiple Level Calibration



(11) ISOPROPYL ALCOHOL (m)

6.03min 0.63PPBV m

response 29822

Ion	Exp%	Act%
45.00	100	100
59.00	3.70	0.00
43.00	25.20	42.54
0.00	0.00	0.00

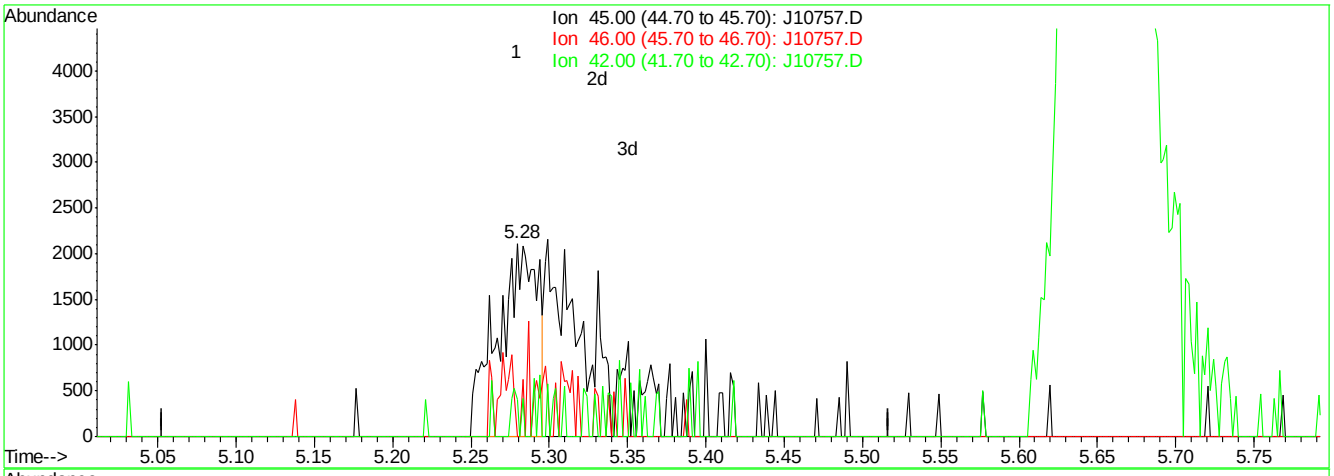
J10757.D J062507T.M Mon Jun 25 10:48:45 2007

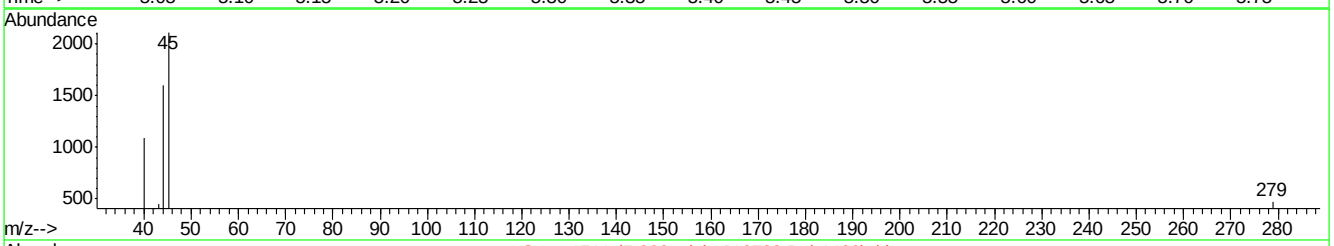
Quantitation Report (Qedit)

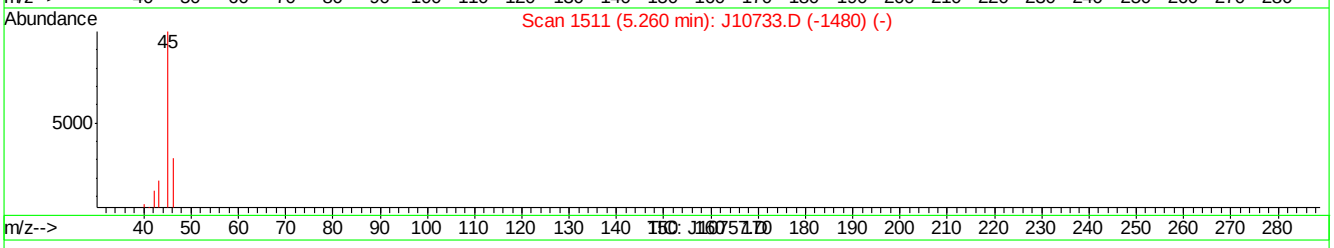
Data File : C:\MSDChem\1\data\J10757.D Vial: 2
Acq On : 25 Jun 2007 10:16 am Operator: danat
Sample : ic557-0.5 (m141) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 25 10:46:29 2007 Results File: J062507T.RES

Method : C:\MSDCHEM\1\METHODS\J062507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Mon Jun 25 10:46:18 2007
Response via : Multiple Level Calibration







(16) ETHANOL (m)

5.28min 0.45PPBV

response 3685

Ion	Exp%	Act%
45.00	100	100
46.00	6.50	18.43
42.00	2.80	5.10
0.00	0.00	0.00

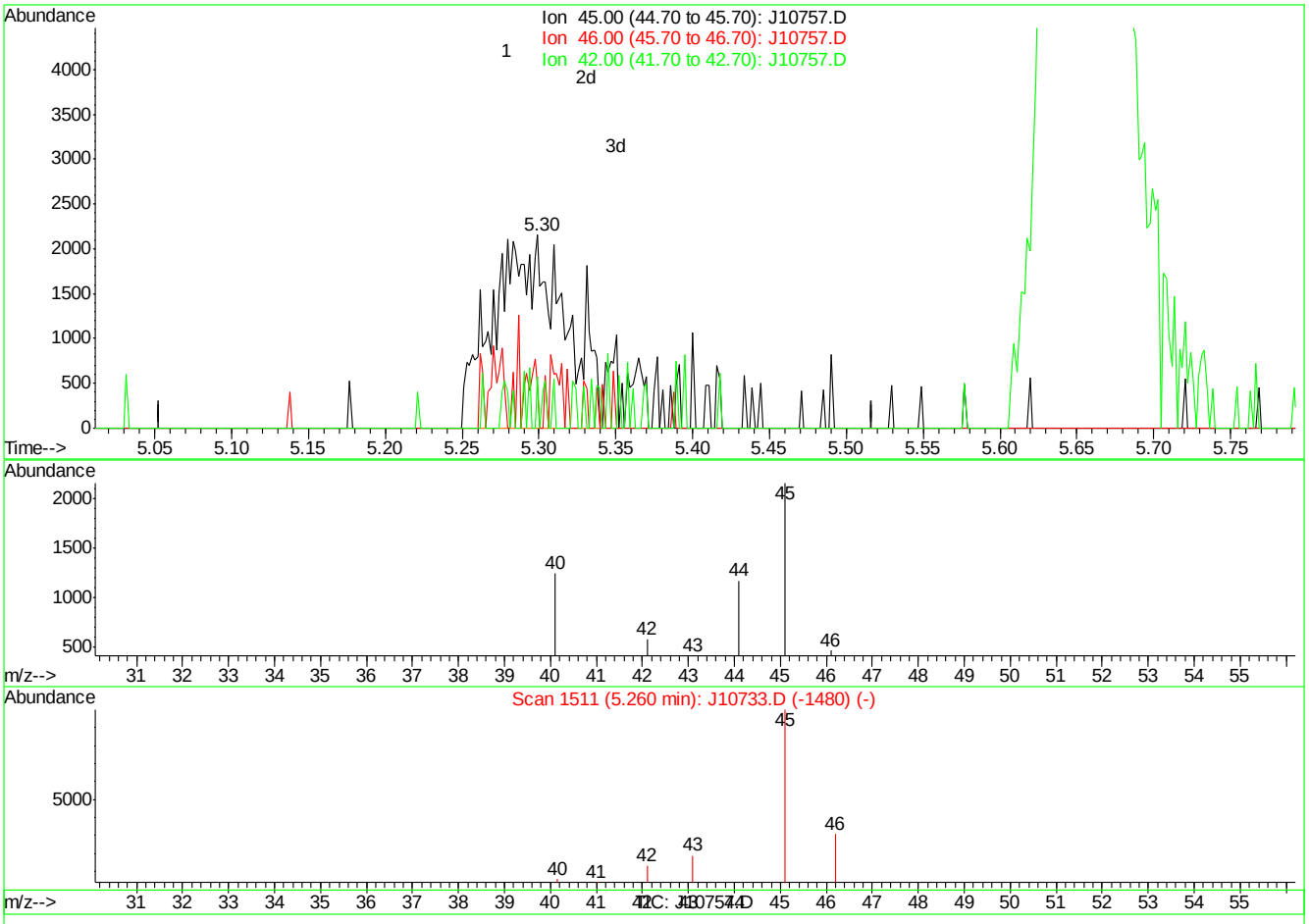
J10757.D J062507T.M Mon Jun 25 10:49:22 2007

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10757.D Vial: 2
Acq On : 25 Jun 2007 10:16 am Operator: danat
Sample : ic557-0.5 (m141) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 25 10:46:29 2007 Results File: J062507T.RES

Method : C:\MSDCHEM\1\METHODS\J062507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Mon Jun 25 10:46:18 2007
Response via : Multiple Level Calibration



(16) ETHANOL (m)

5.30min 0.89PPBV m

response 7283

Ion	Exp%	Act%
45.00	100	100
46.00	6.50	9.32
42.00	2.80	2.58
0.00	0.00	0.00

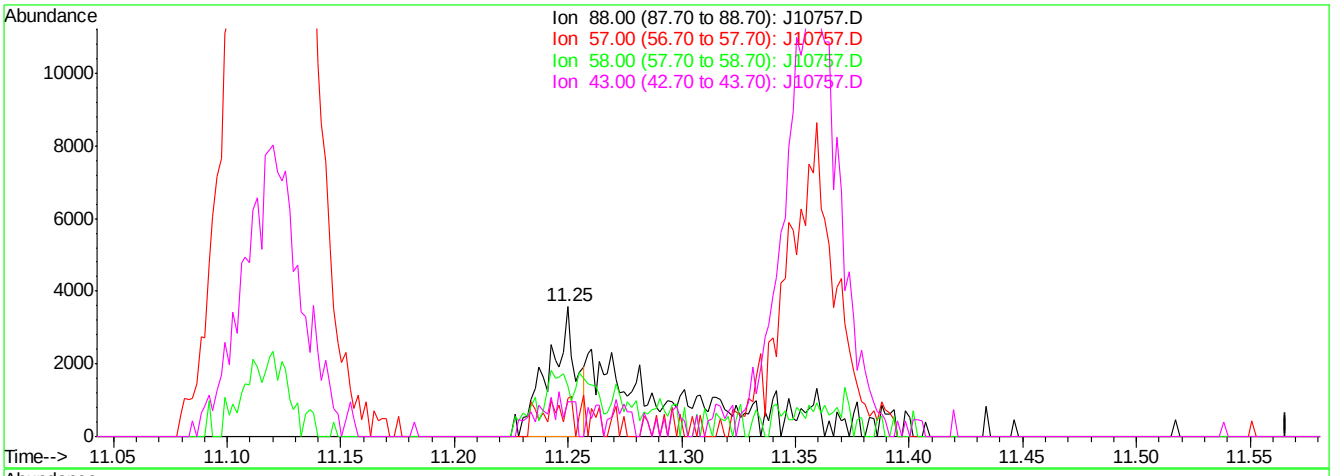
J10757.D J062507T.M Mon Jun 25 10:49:33 2007

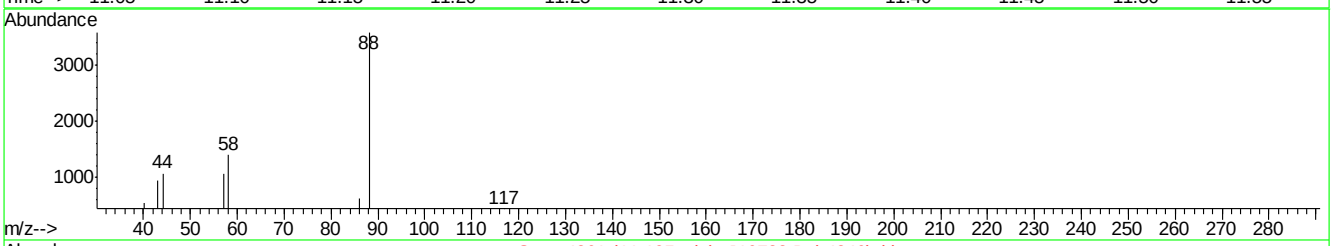
Quantitation Report (Qedit)

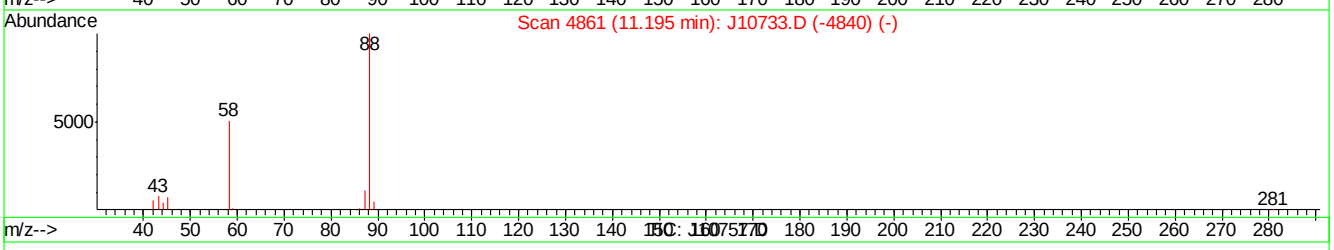
Data File : C:\MSDChem\1\data\J10757.D Vial: 2
Acq On : 25 Jun 2007 10:16 am Operator: danat
Sample : ic557-0.5 (m141) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 25 10:46:29 2007 Results File: J062507T.RES

Method : C:\MSDCHEM\1\METHODS\J062507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Mon Jun 25 10:46:18 2007
Response via : Multiple Level Calibration







(42) 1,4-DIOXANE (m)

11.25min 0.14PPBV

response 3047

Ion	Exp%	Act%
88.00	100	100
57.00	21.70	29.39
58.00	53.20	38.90
43.00	22.40	26.32

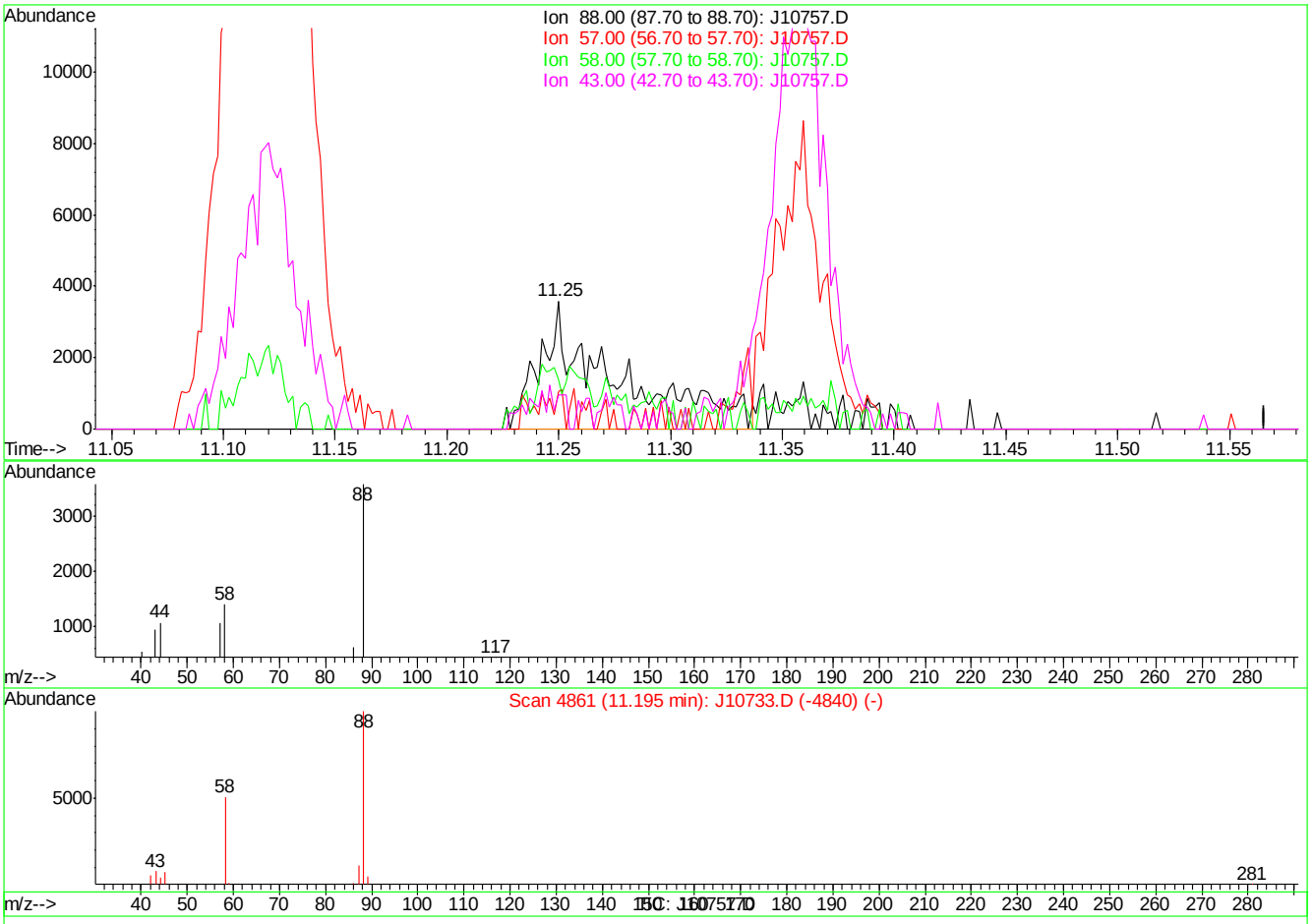
J10757.D J062507T.M Mon Jun 25 10:49:57 2007

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10757.D Vial: 2
Acq On : 25 Jun 2007 10:16 am Operator: danat
Sample : ic557-0.5 (m141) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 25 10:46:29 2007 Results File: J062507T.RES

Method : C:\MSDCHEM\1\METHODS\J062507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Mon Jun 25 10:46:18 2007
Response via : Multiple Level Calibration



(42) 1,4-DIOXANE (m)

11.25min 0.38PPBV m

response 8305

Ion	Exp%	Act%
88.00	100	100
57.00	21.70	29.39
58.00	53.20	38.90
43.00	22.40	26.32

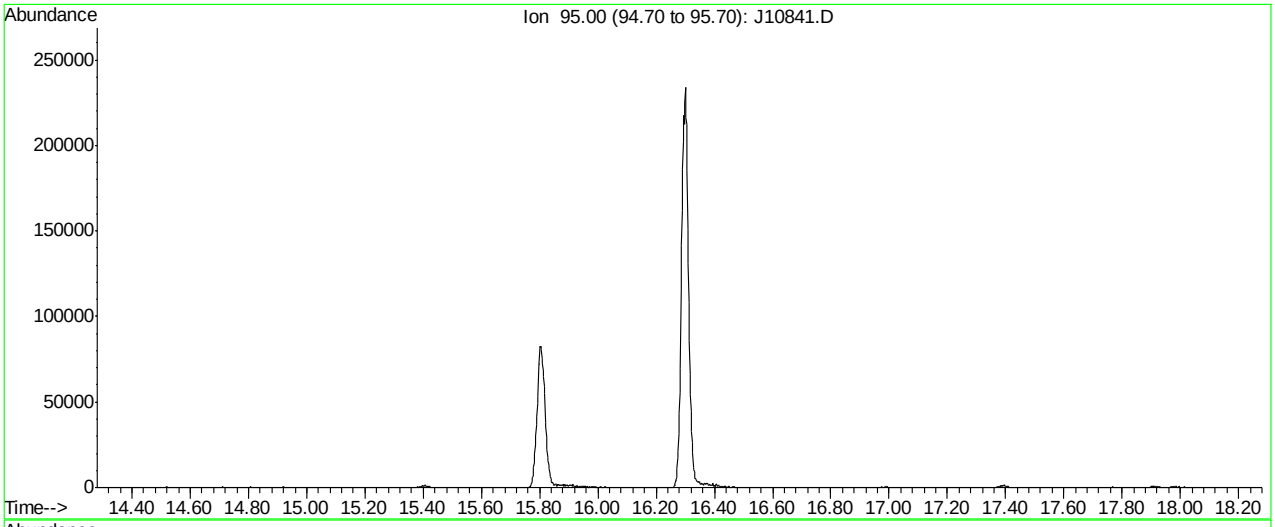
J10757.D J062507T.M Mon Jun 25 10:50:10 2007

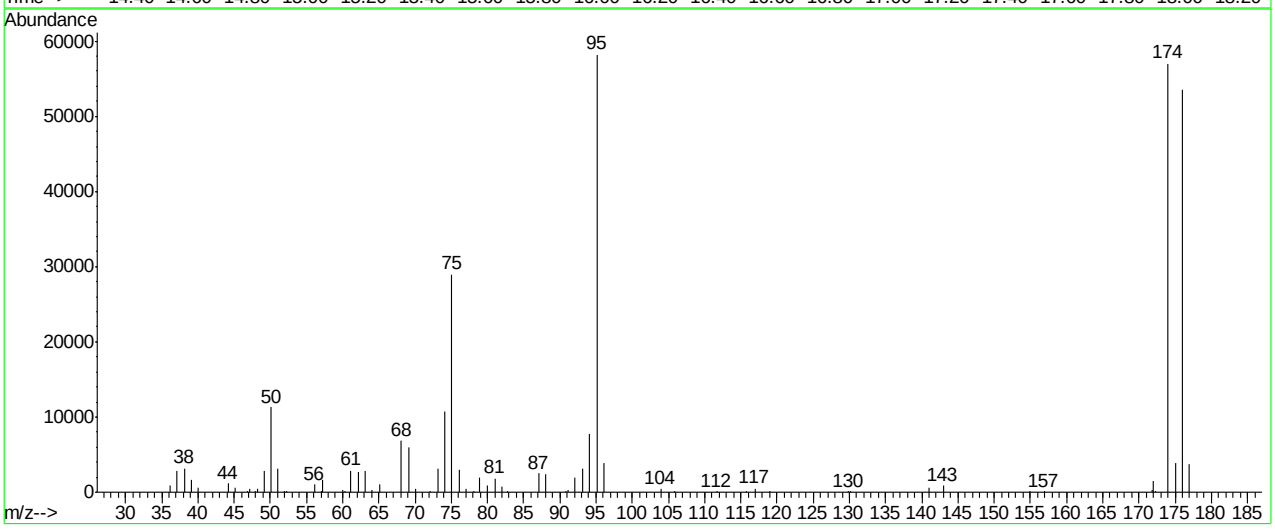
BFB

Data File : C:\MSDChem\1\data\J10841.D
Acq On : 3 Jul 2007 11:46 am
Sample : cc557-10 (M080)
Misc : MS13762, MSJ561,,,,,1
MS Integration Params: LSCINT.P

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

Method : C:\MSDCHEM\1\METHODS\J062507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um





Spectrum Information: Average of 16.277 to 16.284 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	19.4	11307	PASS
75	95	30	66	49.8	28969	PASS
95	95	100	100	100.0	58224	PASS
96	95	5	9	6.8	3957	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	97.9	57003	PASS
175	174	4	9	6.9	3920	PASS
176	174	93	101	93.8	53480	PASS
177	176	5	9	6.9	3704	PASS

J10841.D J062507T.M Thu Jul 05 17:17:29 2007

Average of 16.277 to 16.284 min.: J10841.D
cc557-10 (M080)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.15	861	49.15	2769	62.15	2721	76.05	3050
37.15	2807	50.15	11307	63.15	2766	77.05	417
38.15	3151	51.10	3210	64.05	347	78.10	166
39.15	1604	52.00	90	65.15	1119	78.95	1893
40.05	653	52.30	94	68.10	6822	80.00	877
44.15	1143	56.10	1029	69.15	6031	81.00	1828
45.15	544	57.00	184	70.10	401	82.00	801
46.80	124	57.15	1625	72.10	101	82.70	104
47.15	422	60.00	359	73.15	3113	87.05	2483
47.90	110	60.30	170	74.15	10678	88.05	2436
48.20	394	61.15	2861	75.10	28969	90.80	89

Average of 16.277 to 16.284 min.: J10841.D
cc557-10 (M080)

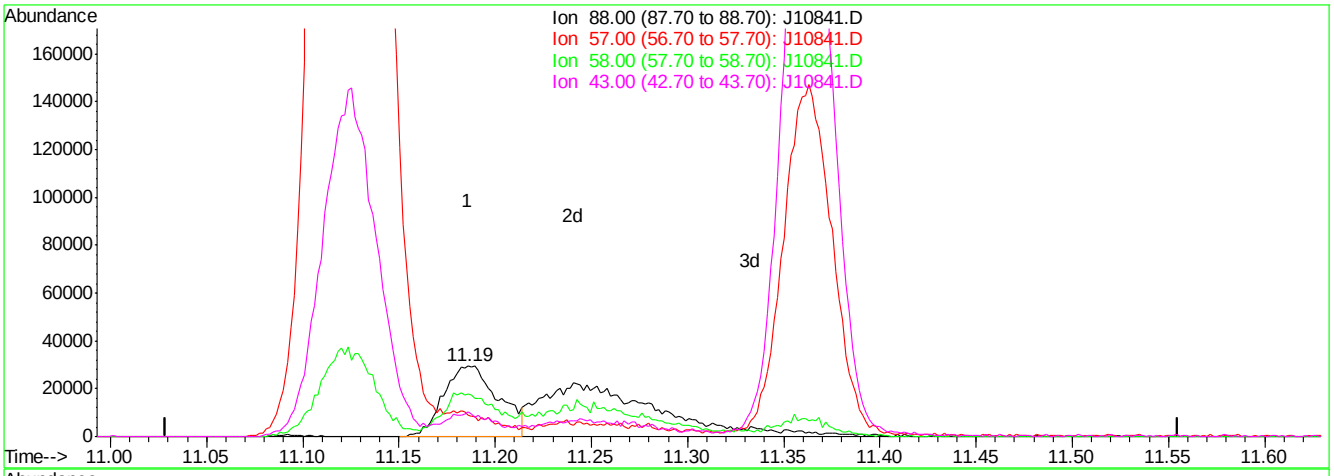
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
91.15	285	119.00	197	175.05	3920		
92.10	1937	129.90	101	176.00	53480		
93.10	3154	130.10	93	177.00	3704		
94.15	7686	140.95	610				
95.10	58224	142.95	887				
96.10	3957	154.90	108				
103.95	403	156.90	113				
105.90	184	171.80	243				
111.70	93	172.00	1560				
115.80	112	172.30	135				
116.95	475	174.00	57003				

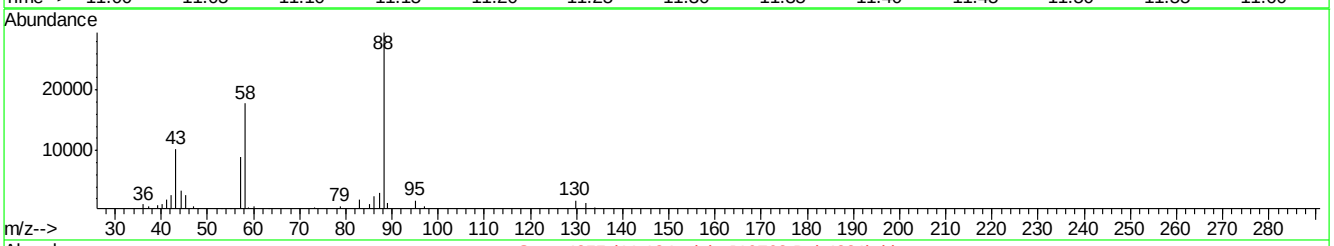
Quantitation Report (Qedit)

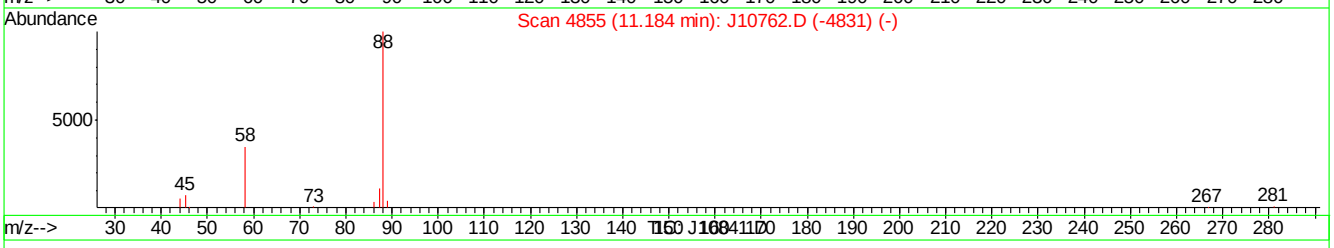
Data File : C:\MSDChem\1\data\J10841.D Vial: 1
Acq On : 3 Jul 2007 11:46 am Operator: danat
Sample : cc557-10 (M080) Inst : MSJ
Misc : MS13762, MSJ561,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 03 12:13:21 2007 Results File: J062507T.RES

Method : C:\MSDCHEM\1\METHODS\J062507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Mon Jun 25 18:15:12 2007
Response via : Multiple Level Calibration







(42) 1,4-DIOXANE (m)

11.19min 5.35PPBV

response 58134

Ion	Exp%	Act%
88.00	100	100
57.00	19.90	30.32
58.00	51.60	60.16
43.00	30.20	34.78

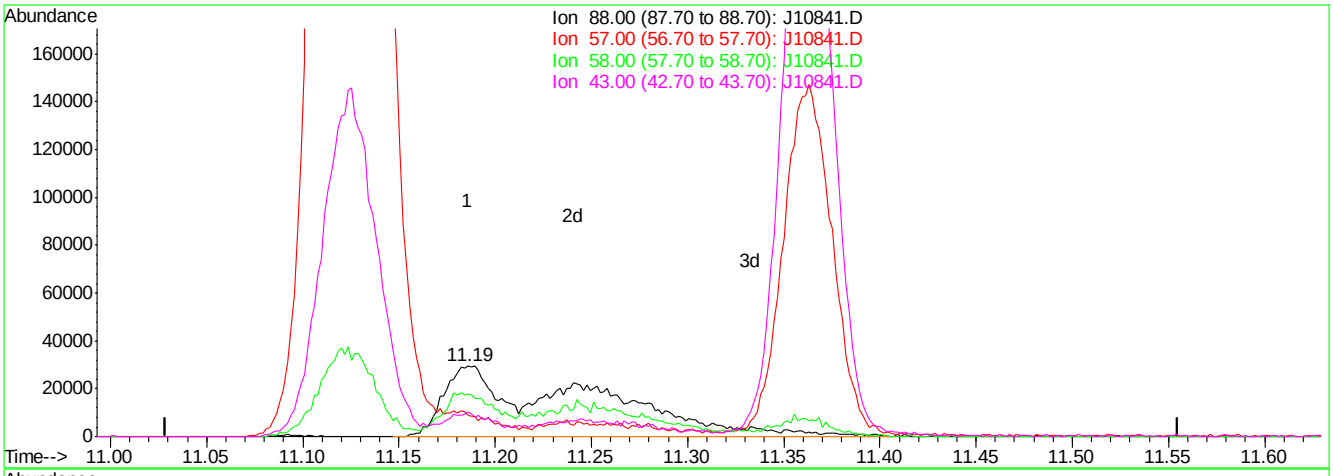
J10841.D J062507T.M Thu Jul 05 17:19:09 2007

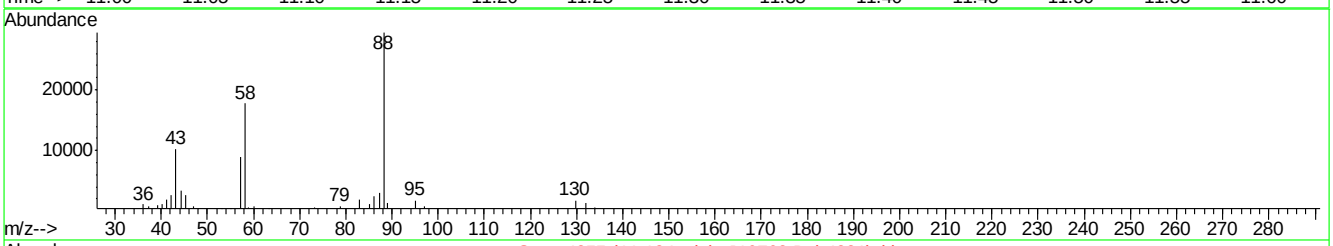
Quantitation Report (Qedit)

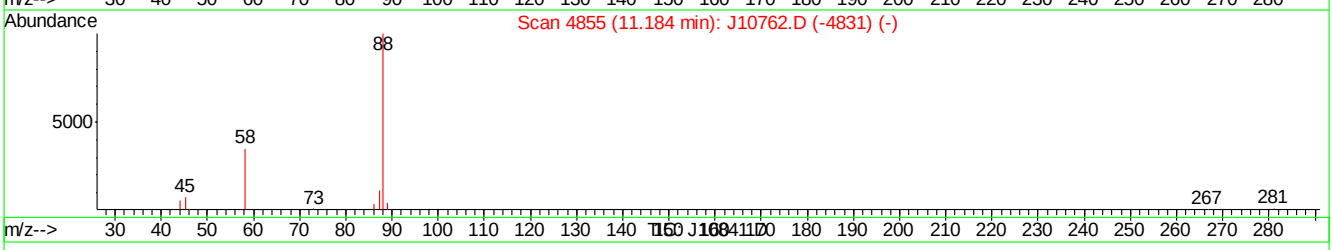
Data File : C:\MSDChem\1\data\J10841.D Vial: 1
Acq On : 3 Jul 2007 11:46 am Operator: danat
Sample : cc557-10 (M080) Inst : MSJ
Misc : MS13762, MSJ561,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 03 12:13:21 2007 Results File: J062507T.RES

Method : C:\MSDCHEM\1\METHODS\J062507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Mon Jun 25 18:15:12 2007
Response via : Multiple Level Calibration







(42) 1,4-DIOXANE (m)

11.19min 14.14PPBV m

response 153693

Ion	Exp%	Act%
88.00	100	100
57.00	19.90	30.32
58.00	51.60	60.16
43.00	30.20	34.78

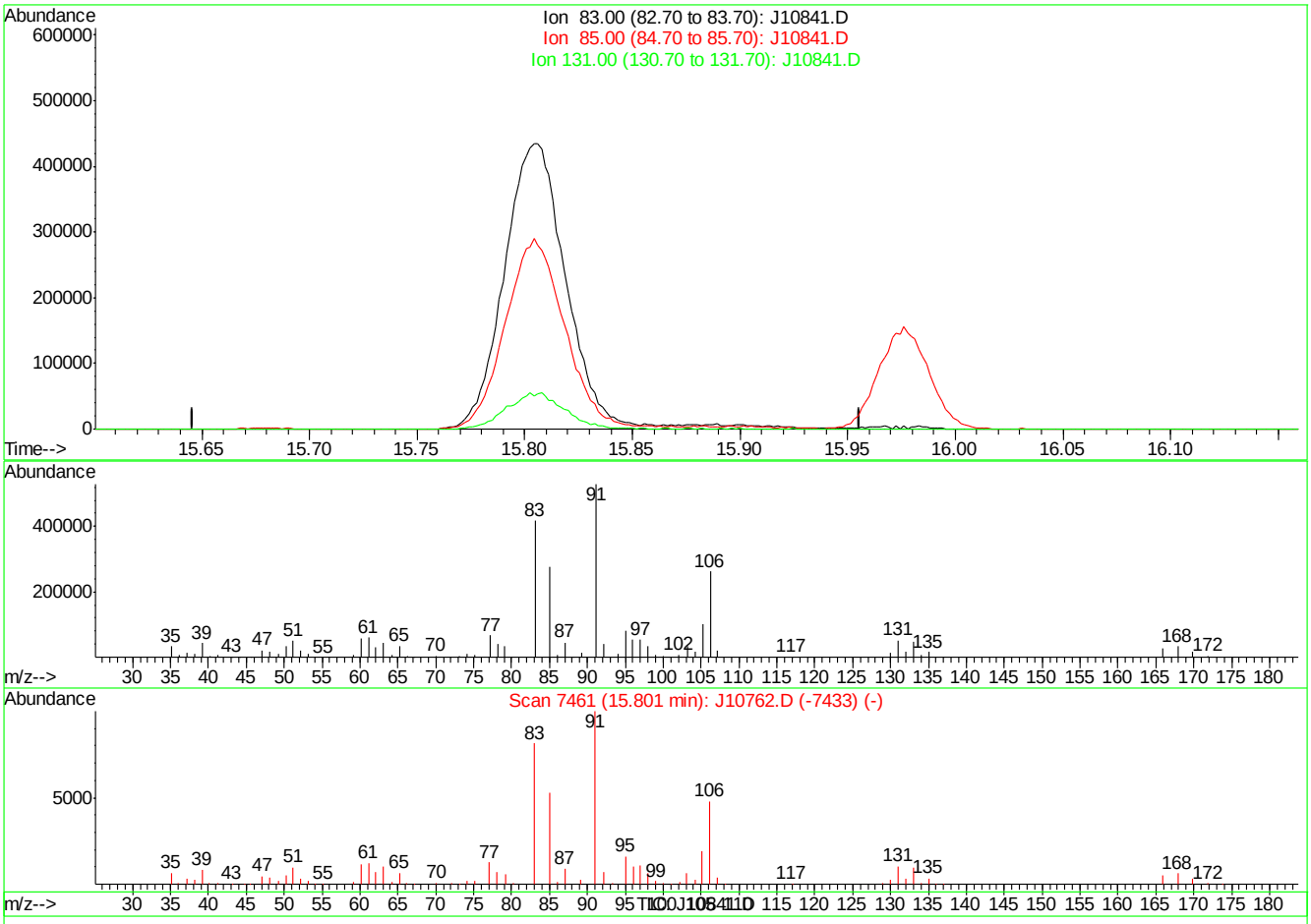
J10841.D J062507T.M Thu Jul 05 17:19:21 2007

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10841.D Vial: 1
Acq On : 3 Jul 2007 11:46 am Operator: danat
Sample : cc557-10 (M080) Inst : MSJ
Misc : MS13762, MSJ561,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 03 12:13:21 2007 Results File: J062507T.RES

Method : C:\MSDCHEM\1\METHODS\J062507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Mon Jun 25 18:15:12 2007
Response via : Multiple Level Calibration



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

15.80min 0.00PPBV

response 0

Ion	Exp%	Act%
83.00	100	0.00
85.00	66.00	0.00#
131.00	12.40	0.00
0.00	0.00	0.00

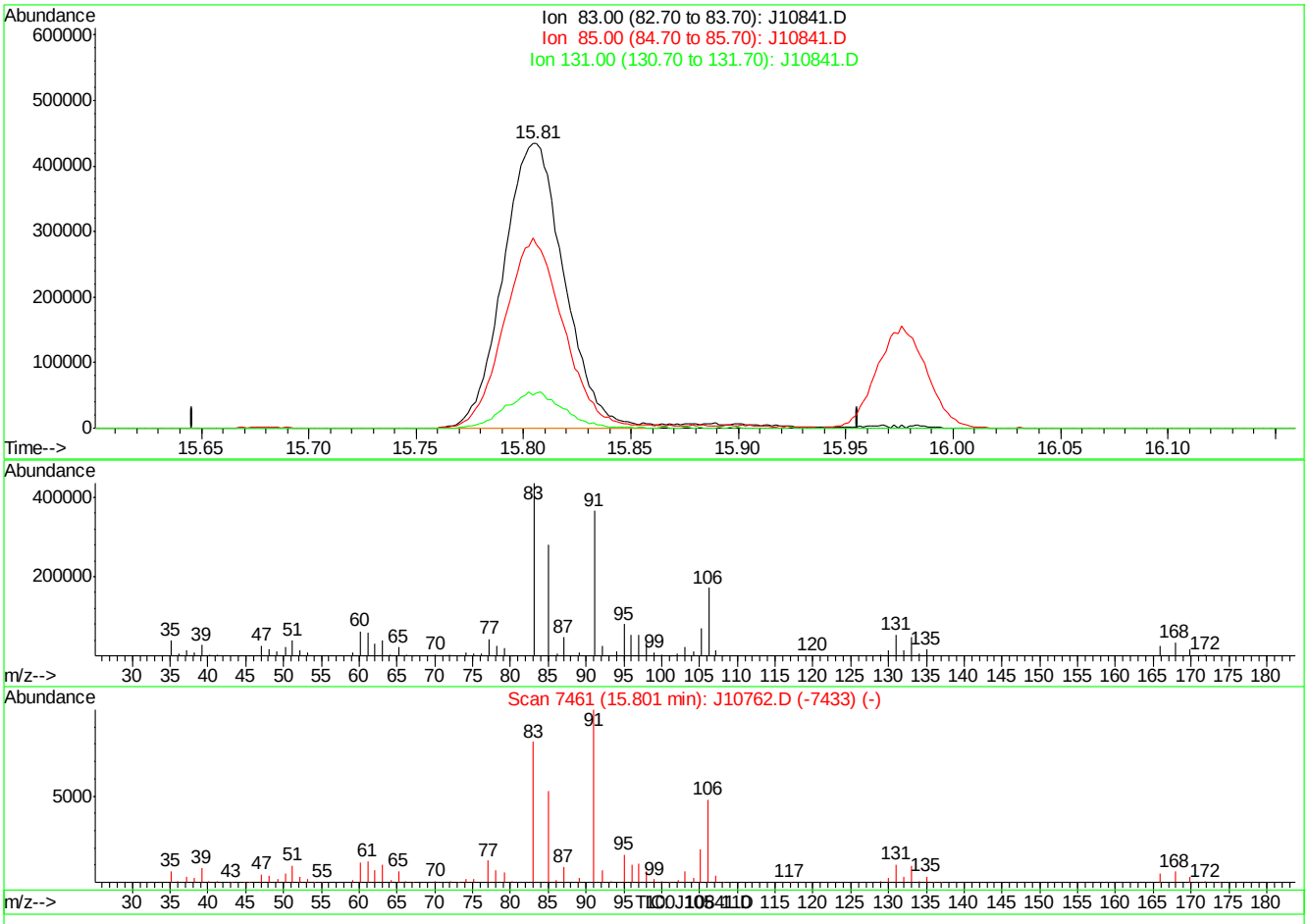
J10841.D J062507T.M Thu Jul 05 17:19:39 2007

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10841.D Vial: 1
Acq On : 3 Jul 2007 11:46 am Operator: danat
Sample : cc557-10 (M080) Inst : MSJ
Misc : MS13762, MSJ561,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 03 12:13:21 2007 Results File: J062507T.RES

Method : C:\MSDCHEM\1\METHODS\J062507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Mon Jun 25 18:15:12 2007
Response via : Multiple Level Calibration



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

15.81min 17.94PPBV m

response 859117

Ion	Exp%	Act%
83.00	100	100
85.00	66.00	0.00#
131.00	12.40	0.00
0.00	0.00	0.00

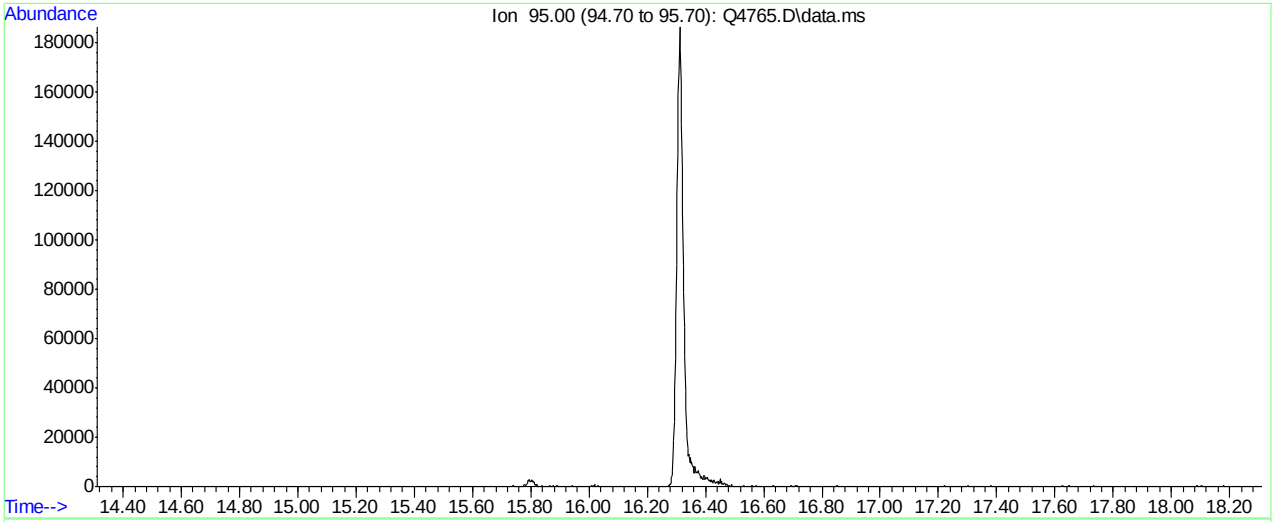
J10841.D J062507T.M Thu Jul 05 17:19:43 2007

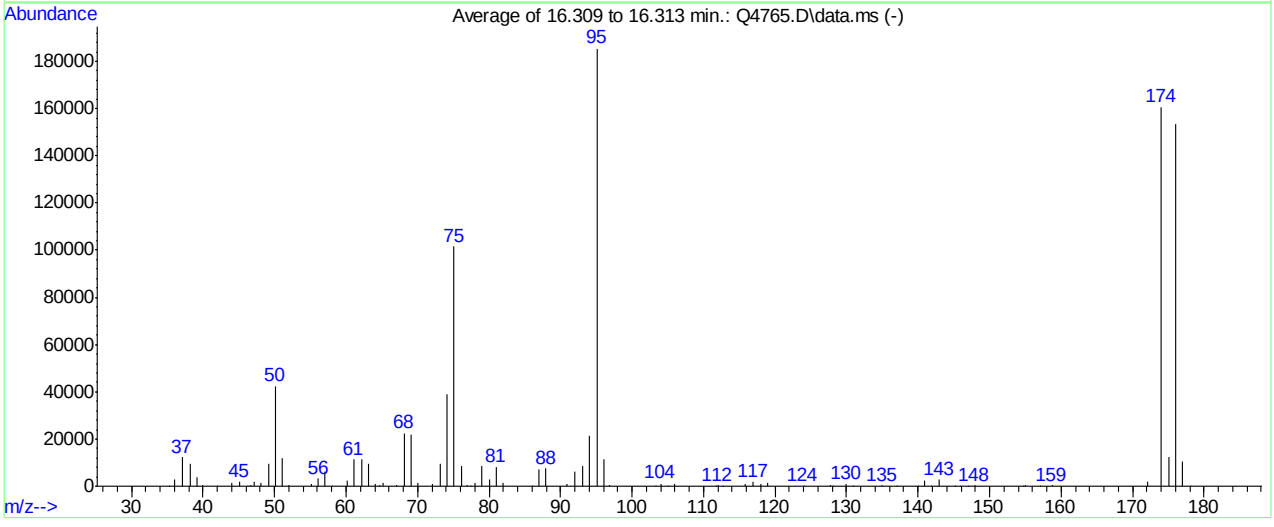
BFB

Data File : C:\msdchem\1\DATA\Q4765.D
Acq On : 2 Oct 2007 8:59 am
Sample : ic246-0.5 (M051)
Misc : MS14329,MSQ246,,,,,1
MS Integration Params: LSCINT.P

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

Method : C:\msdchem\1\METHODS\Q100207T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um





AutoFind: Scans 7733, 7734, 7735; Background Corrected with Scan 7708

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	22.9	42392	PASS
75	95	30	66	54.7	101469	PASS
95	95	100	100	100.0	185472	PASS
96	95	5	9	6.2	11563	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	86.7	160725	PASS
175	174	4	9	7.6	12257	PASS
176	174	93	101	95.6	153642	PASS
177	176	5	9	6.7	10287	PASS

Q4765.D Q100207T.m Wed Oct 03 09:33:16 2007 RPT1

Average of 16.309 to 16.313 min.: Q4765.D\data.ms
ic246-0.5 (M051)
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.20	139	47.10	1993	61.05	11276	73.10	9536
36.05	2871	48.10	1650	62.15	11271	74.10	38768
37.10	12202	49.15	9712	63.10	9696	75.10	101469
38.15	9623	50.10	42392	64.10	871	76.15	8778
39.10	3836	51.10	12073	64.70	288	77.00	646
39.95	671	52.00	359	65.15	1482	77.40	234
41.90	147	55.15	805	67.00	389	78.00	1351
44.00	1382	56.10	3171	68.10	22482	79.00	8695
45.05	1713	57.10	5984	69.10	21928	80.05	2817
46.20	166	58.00	167	70.05	1550	81.00	8289
46.70	360	60.15	2315	72.05	902	81.95	1608

Average of 16.309 to 16.313 min.: Q4765.D\data.ms
ic246-0.5 (M051)
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
86.00	205	104.05	966	127.75	667	145.90	160
87.00	7319	105.00	175	128.10	156	147.00	154
87.95	7544	105.90	887	129.95	792	147.95	478
90.90	1130	111.80	199	130.80	150	154.70	156
92.05	6307	112.05	384	134.95	407	154.95	374
93.10	8764	112.70	149	137.00	200	157.00	146
94.10	21349	115.85	792	140.00	156	158.75	470
95.10	185472	116.95	1786	140.95	2188	172.05	1953
96.10	11563	117.95	879	141.90	162	174.00	160725
96.90	350	119.00	1244	142.95	2681	175.05	12257
103.20	149	123.90	178	145.10	204	176.00	153642

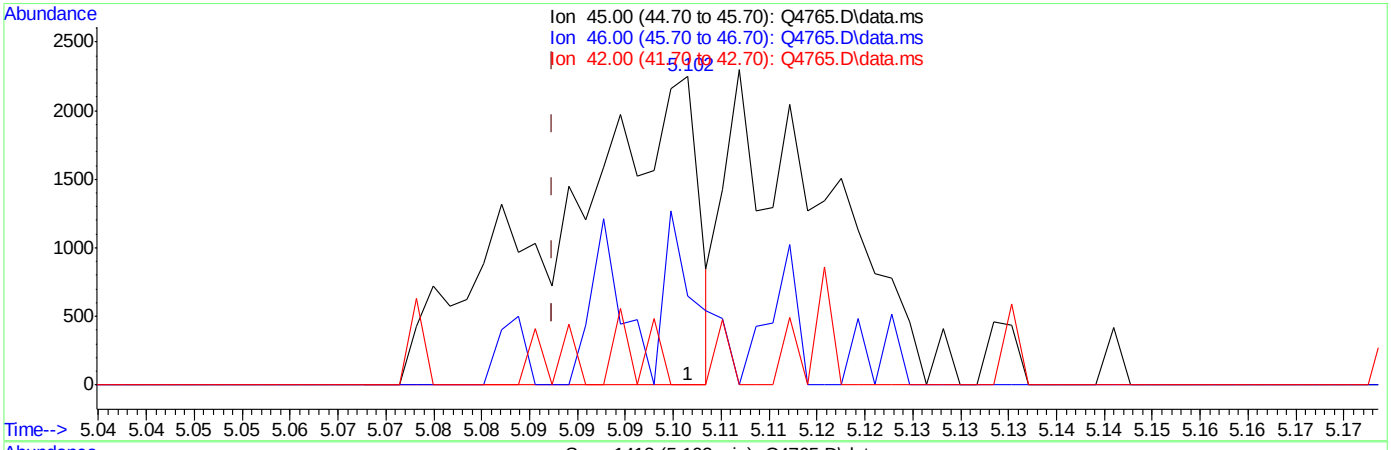
Average of 16.309 to 16.313 min.: Q4765.D\data.ms
ic246-0.5 (M051)
Modified:subtracted

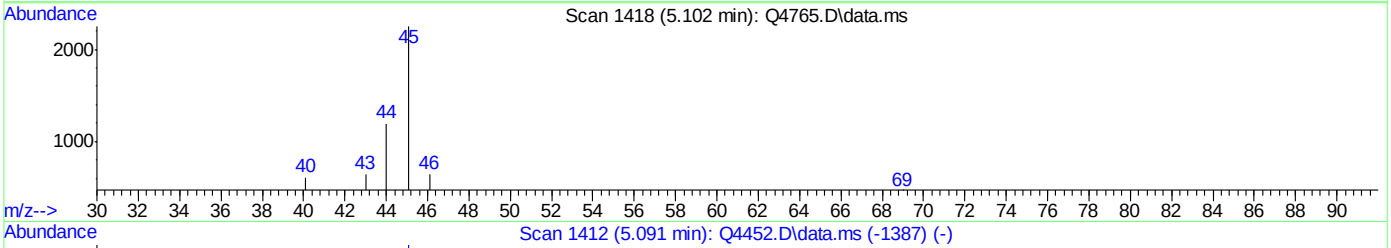
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
177.00	10287						
178.10	152						

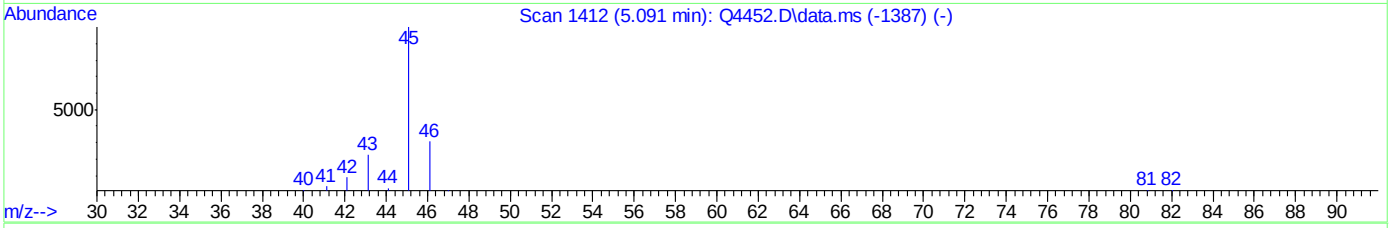
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4765.D
Acq On : 2 Oct 2007 8:59 am
Operator : danat
Sample : ic246-0.5 (M051)
Misc : MS14329,MSQ246,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 02 09:25:14 2007
Quant Method : C:\msdchem\1\METHODS\Q100207T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Oct 01 16:26:29 2007
Response via : Initial Calibration







TIC: Q4765.D\data.ms

(16) ETHANOL (m)

5.102min (+0.014) 0.27PPBV

response 2327

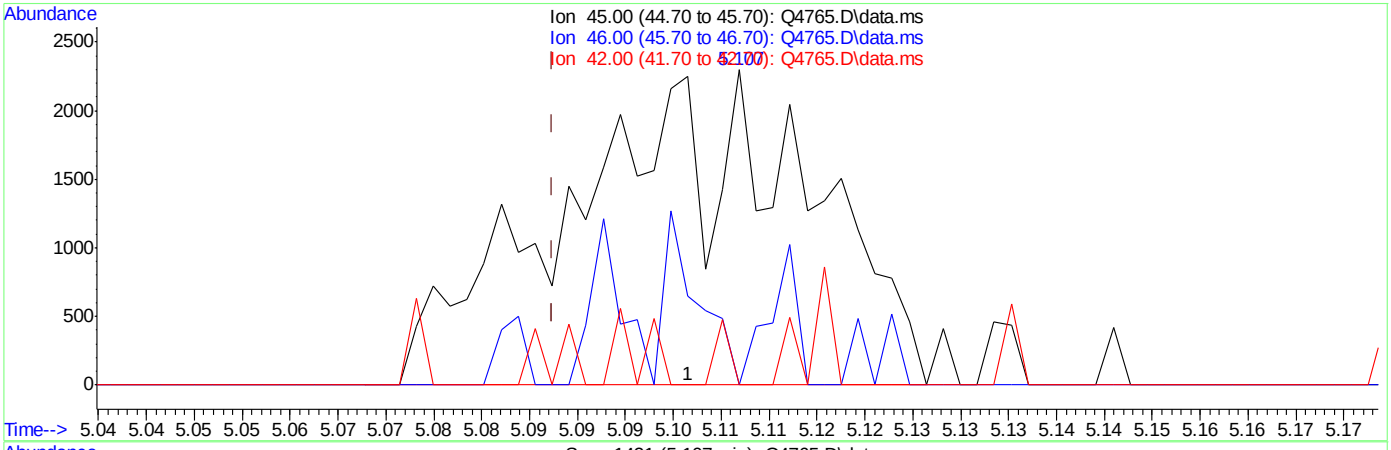
Ion	Exp%	Act%
45.00	100	100
46.00	32.80	38.07
42.00	13.10	6.49
0.00	0.00	0.00

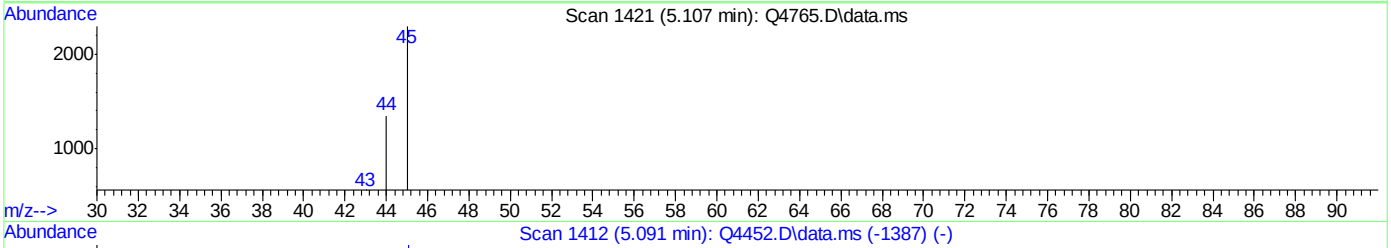
ACCUTEST Laboratories M67846

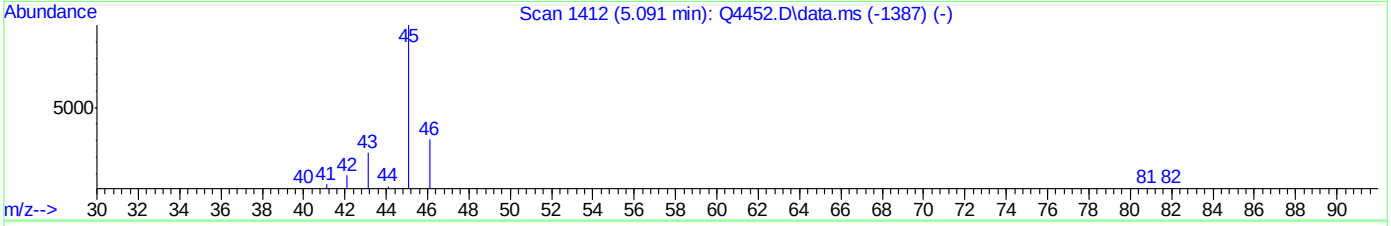
Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q4765.D
Acq On    :  2 Oct 2007   8:59 am
Operator  : danat
Sample    : ic246-0.5 (M051)
Misc      : MS14329,MSQ246,,,,,1
ALS Vial  : 1   Sample Multiplier: 1

Quant Time: Oct 02 09:25:14 2007
Quant Method : C:\msdchem\1\METHODS\Q100207T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Oct 01 16:26:29 2007
Response via : Initial Calibration
```





TIC: Q4765.D\data.ms

(16) ETHANOL (m)

5.107min (+0.019) 0.45PPBV m

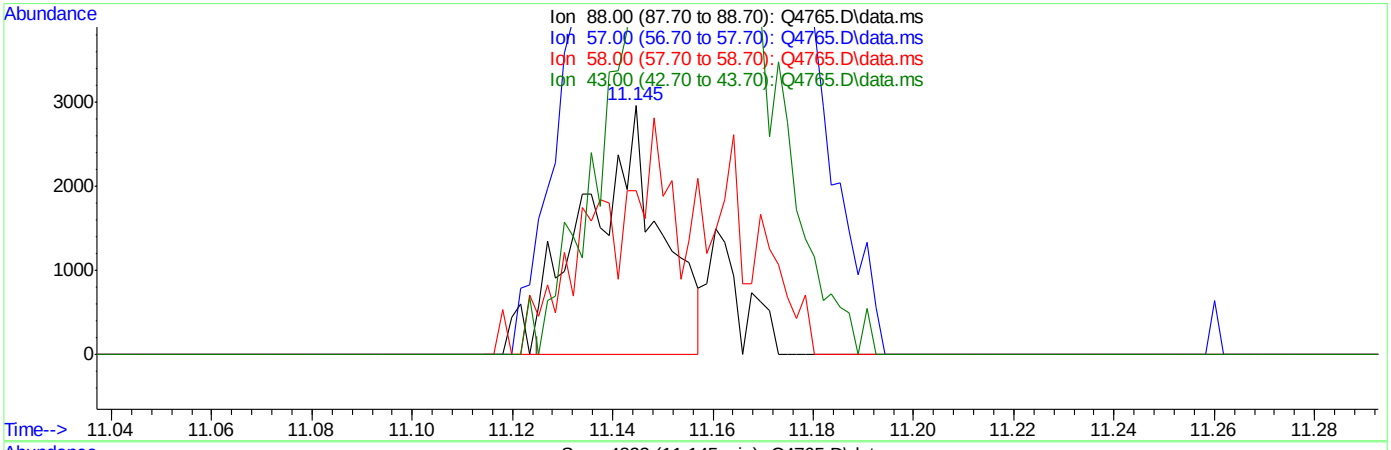
response 3990

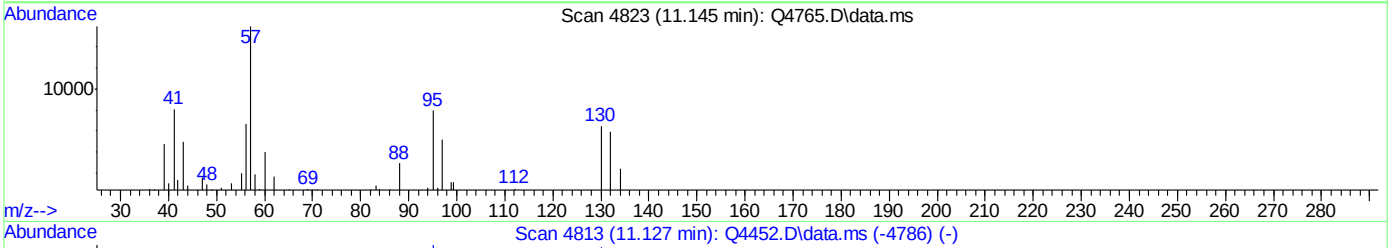
Ion	Exp%	Act%
45.00	100	100
46.00	32.80	22.21
42.00	13.10	3.78
0.00	0.00	0.00

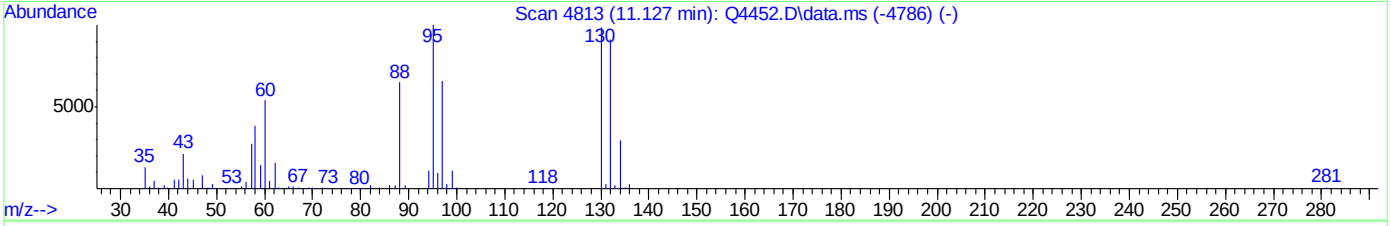
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4765.D
Acq On : 2 Oct 2007 8:59 am
Operator : danat
Sample : ic246-0.5 (M051)
Misc : MS14329,MSQ246,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 02 09:25:14 2007
Quant Method : C:\msdchem\1\METHODS\Q100207T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Oct 01 16:26:29 2007
Response via : Initial Calibration







TIC: Q4765.D\data.ms

(42) 1,4-DIOXANE (m)

11.145min (+0.019) 0.29PPBV

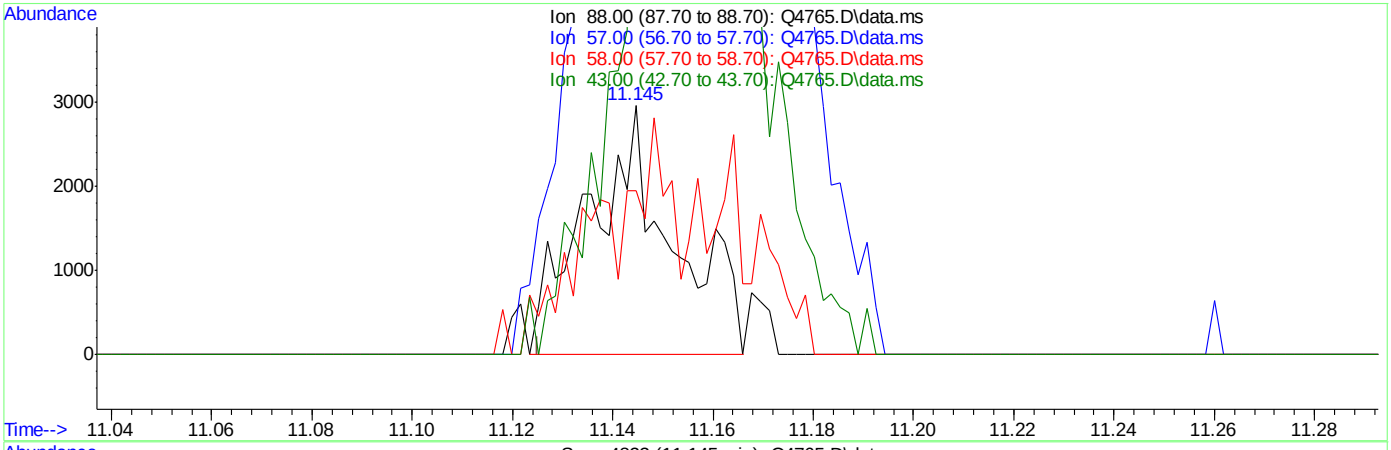
response 3089

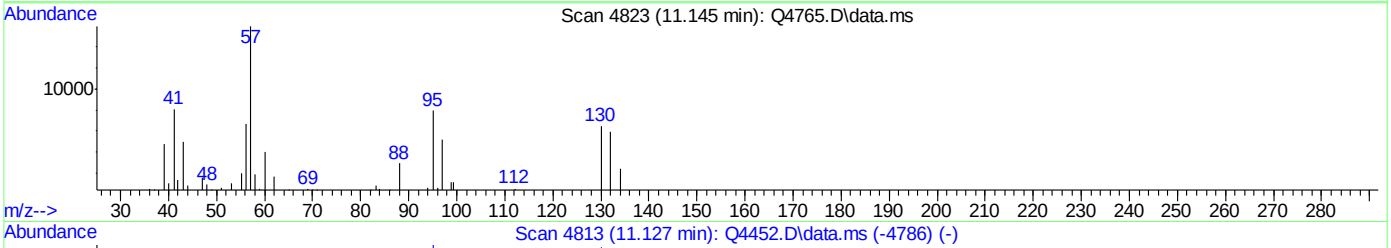
Ion	Exp%	Act%
88.00	100	100
57.00	40.40	538.71#
58.00	66.50	65.62
43.00	55.90	168.15#

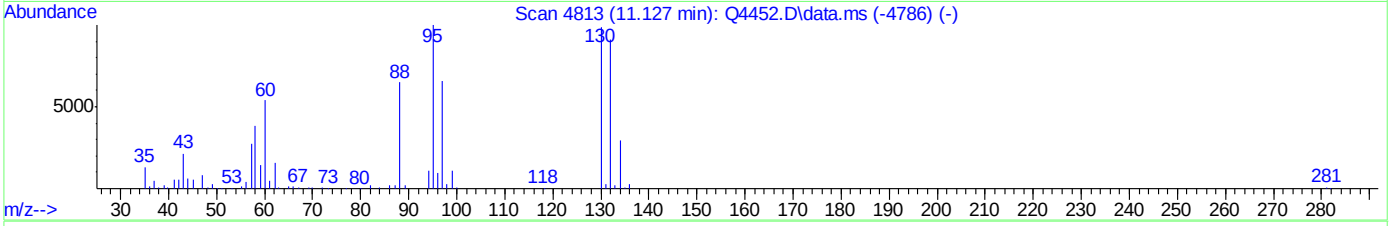
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4765.D
Acq On : 2 Oct 2007 8:59 am
Operator : danat
Sample : ic246-0.5 (M051)
Misc : MS14329,MSQ246,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 02 09:25:14 2007
Quant Method : C:\msdchem\1\METHODS\Q100207T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Oct 01 16:26:29 2007
Response via : Initial Calibration







TIC: Q4765.D\data.ms

(42) 1,4-DIOXANE (m)

11.145min (+0.019) 0.32PPBV m

response 3468

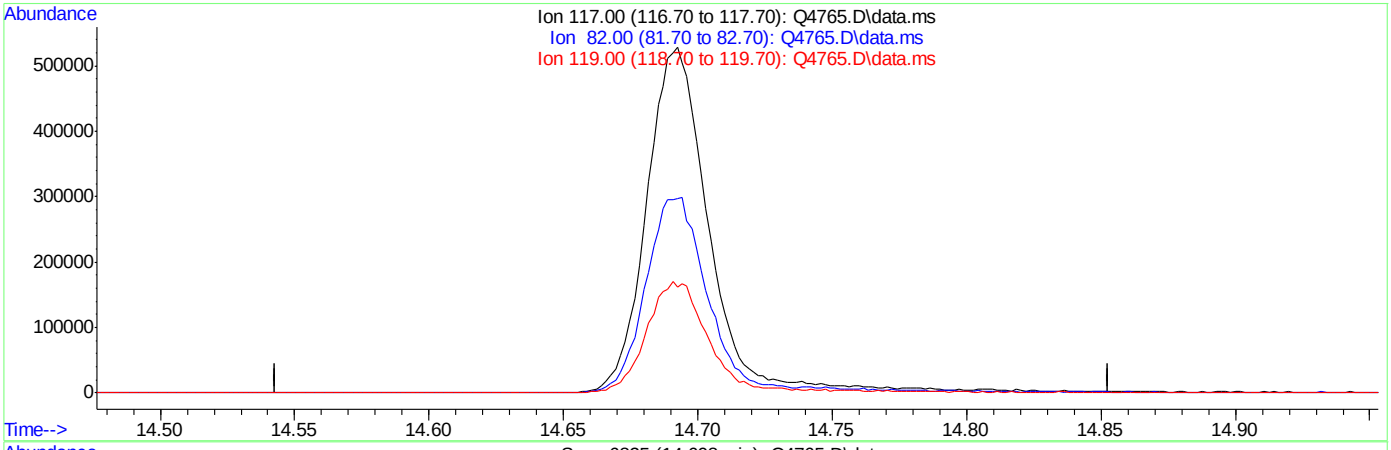
Ion	Exp%	Act%
88.00	100	100
57.00	40.40	538.71#
58.00	66.50	65.62
43.00	55.90	168.15#

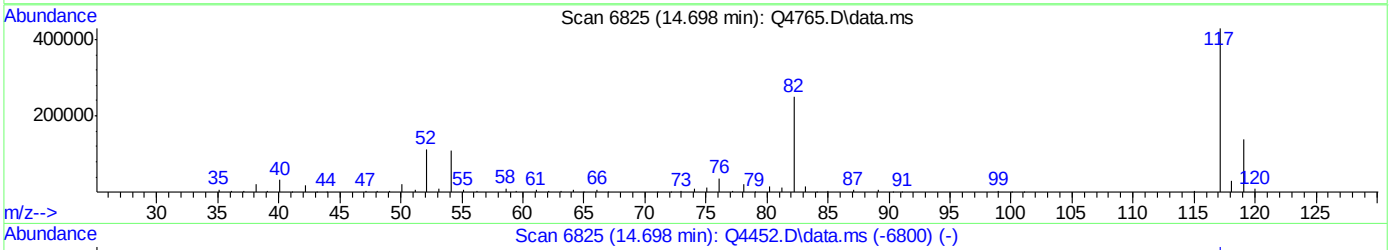
ACCUTEST Laboratories M67846

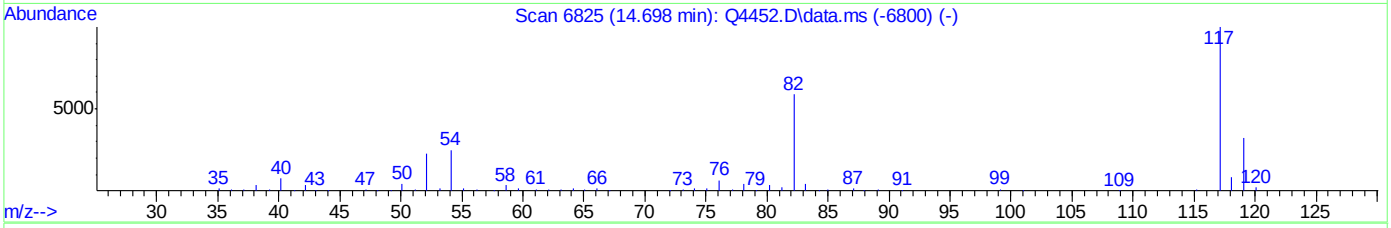
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4765.D
Acq On : 2 Oct 2007 8:59 am
Operator : danat
Sample : ic246-0.5 (M051)
Misc : MS14329,MSQ246,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 02 09:25:14 2007
Quant Method : C:\msdchem\1\METHODS\Q100207T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Oct 01 16:26:29 2007
Response via : Initial Calibration







TIC: Q4765.D\data.ms

(49) CHLOROBENZENE-D5 (I)

14.698min (-14.698) 0.00PPBV

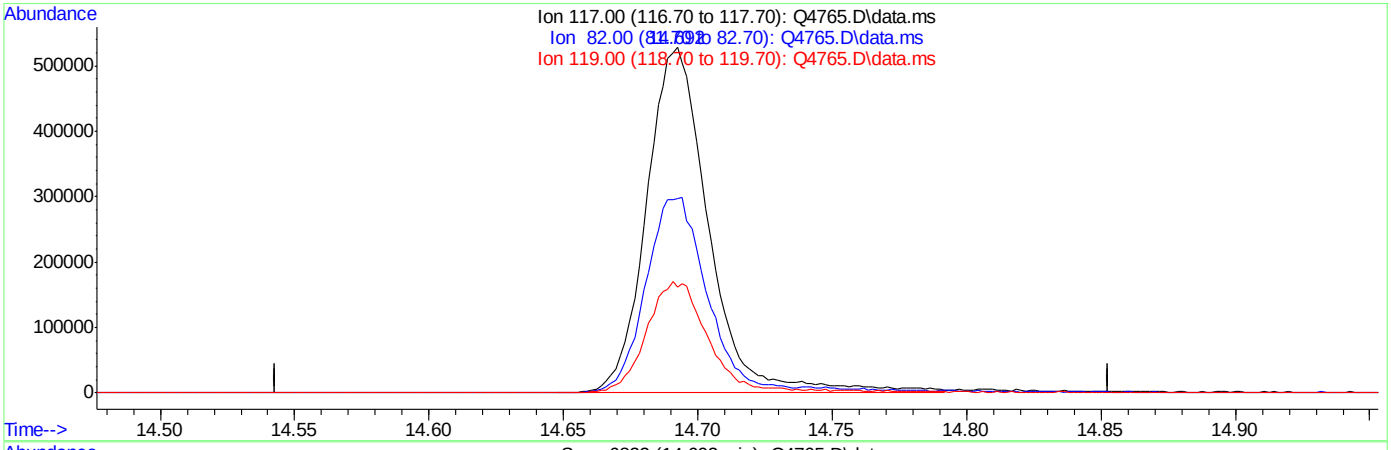
response 0

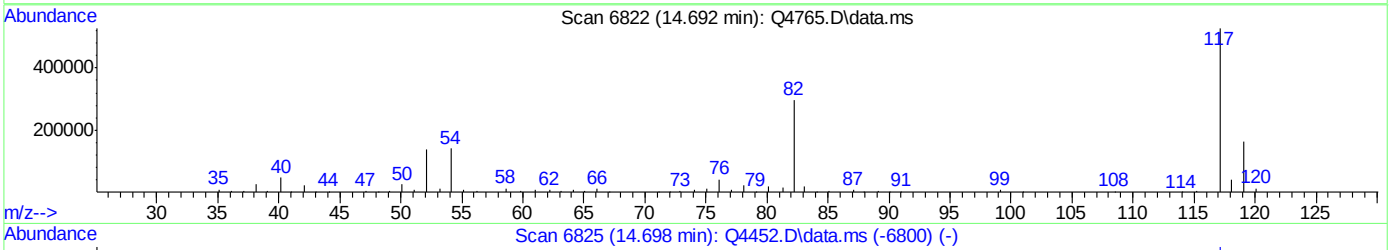
Ion	Exp%	Act%
117.00	100	0.00
82.00	68.40	0.00#
119.00	32.10	0.00#
0.00	0.00	0.00

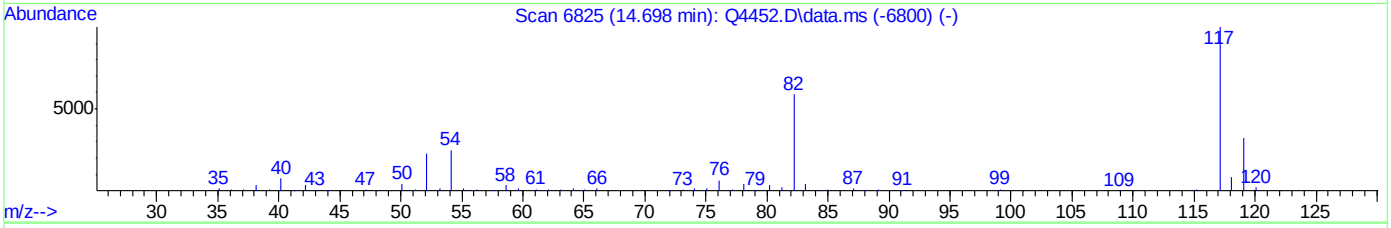
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4765.D
Acq On : 2 Oct 2007 8:59 am
Operator : danat
Sample : ic246-0.5 (M051)
Misc : MS14329,MSQ246,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 02 09:25:14 2007
Quant Method : C:\msdchem\1\METHODS\Q100207T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Oct 01 16:26:29 2007
Response via : Initial Calibration







TIC: Q4765.D\data.ms

(49) CHLOROBENZENE-D5 (I)

14.692min (-0.005) 10.00PPBV m

response 853864

Ion	Exp%	Act%
117.00	100	100
82.00	68.40	0.00#
119.00	32.10	0.00#
0.00	0.00	0.00

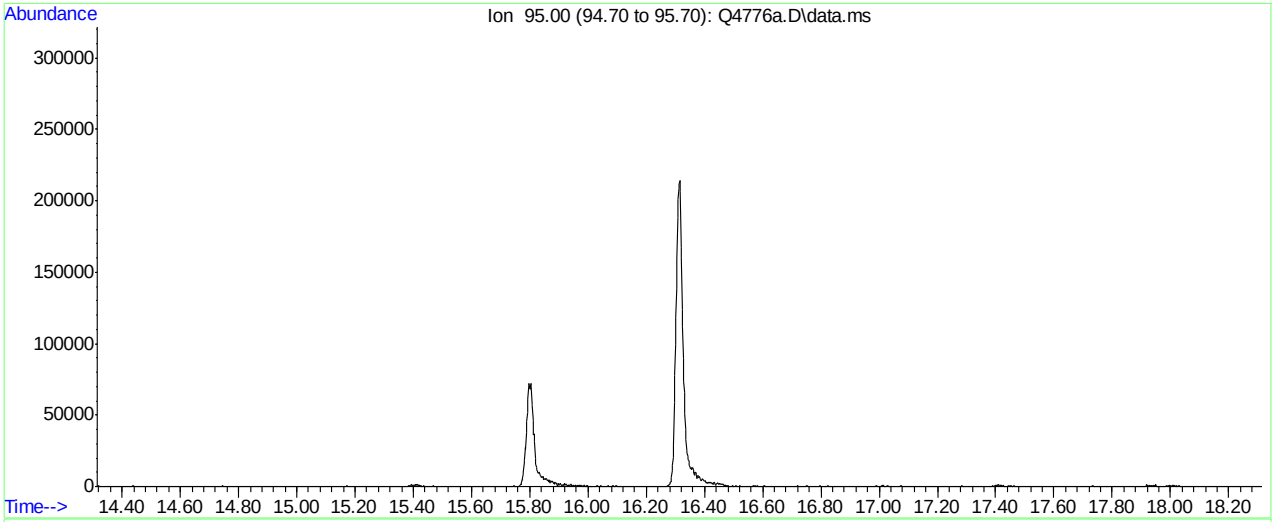
ACCUTEST Laboratories M67846

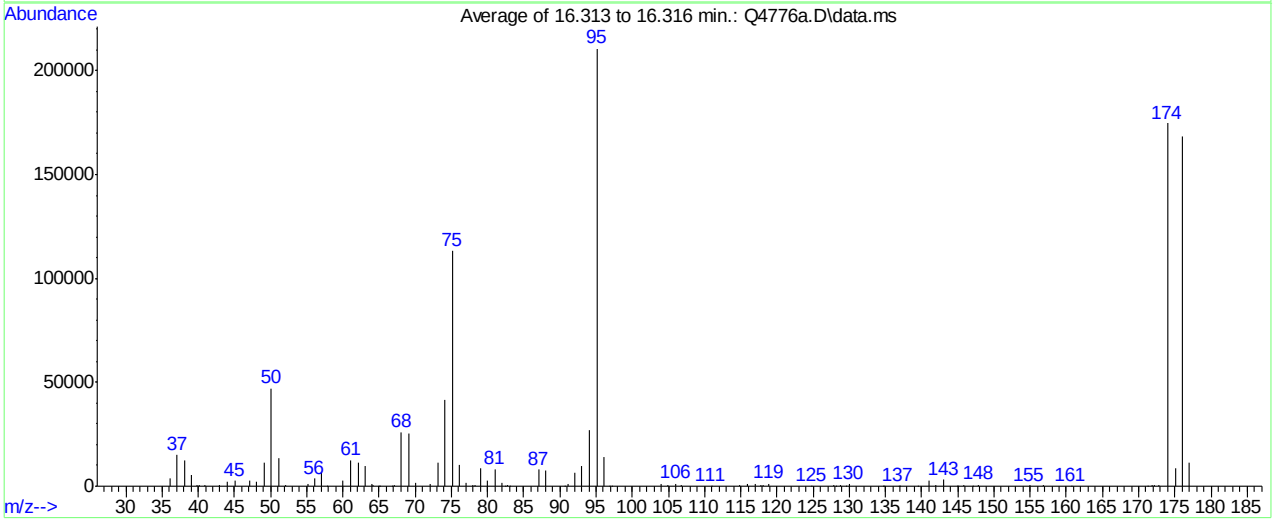
BFB

Data File : C:\msdchem\1\DATA\Q4776a.D
Acq On : 2 Oct 2007 6:15 pm
Sample : cc246-10 (M112)
Misc : MS14329,MSQ246,,,,,1
MS Integration Params: LSCINT.P

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

Method : C:\msdchem\1\METHODS\Q100207T.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 16.316 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	22.4	47162	PASS
75	95	30	66	53.7	113176	PASS
95	95	100	100	100.0	210688	PASS
96	95	5	9	6.7	14207	PASS
173	174	0.00	2	0.3	558	PASS
174	95	50	120	82.9	174570	PASS
175	174	4	9	5.1	8868	PASS
176	174	93	101	96.3	168149	PASS
177	176	5	9	6.7	11216	PASS

Q4776a.D Q100207T.m Wed Oct 03 09:46:21 2007 RPT1

Average of 16.313 to 16.316 min.: Q4776a.D\data.ms
cc246-10 (M112)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	3561	48.05	2113	62.10	11604	72.10	912
37.10	15111	49.10	11128	63.10	9689	73.10	11596
38.10	12259	50.10	47162	64.00	1070	74.15	41418
39.10	5272	51.10	13362	64.20	293	75.10	113176
39.90	442	52.10	435	64.90	242	76.15	10103
40.10	407	55.10	921	65.10	222	77.05	1608
40.95	336	56.10	3685	66.80	200	78.00	469
42.95	563	57.05	6569	67.10	326	78.20	499
44.05	2199	57.80	161	68.10	25984	79.00	8413
45.05	2561	60.05	2900	69.10	25394	79.95	2907
47.15	2653	61.10	12435	70.00	1900	81.00	8144

Average of 16.313 to 16.316 min.: Q4776a.D\data.ms
cc246-10 (M112)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
81.95	1770	95.10	210688	116.95	1294	134.90	152
82.50	223	96.10	14207	117.80	313	136.80	178
82.75	459	96.90	211	118.05	758	137.00	146
83.00	243	97.20	145	118.90	1345	139.50	135
87.10	8089	103.95	1196	124.80	134	141.00	2601
88.10	7684	104.95	568	127.90	369	141.95	434
90.70	249	106.05	1311	128.10	177	143.05	3099
91.05	1147	106.85	290	128.85	350	144.90	143
92.10	6742	110.90	173	129.60	161	145.10	173
93.05	9621	114.90	352	130.00	887	145.85	379
94.10	26968	115.90	940	134.70	162	147.00	194

Average of 16.313 to 16.316 min.: Q4776a.D\data.ms
cc246-10 (M112)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
147.85	736	177.05	11216				
154.95	448						
156.90	348						
160.70	134						
171.20	146						
171.90	645						
172.10	424						
172.80	558						
174.00	174570						
175.10	8868						
176.00	168149						

Manual Integrations APPROVED (compounds with "m" flag)
Philip Bassignani 06/27/07 12:10

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10757.D
Acq On : 25 Jun 2007 10:16 am
Operator : danat
Sample : ic557-0.5 (m141)
Misc : MS13762, MSJ557,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 25 10:50:06 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Jun 25 10:46:18 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	419744	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.44	114	1843308	10.00	PPBV	-0.02
49) CHLOROBENZENE-D5	14.67	117	1602957	10.00	PPBV	-0.01
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.28	95	442099	4.44	PPBV	-0.02
Spiked Amount 5.000	Range 51 - 142		Recovery = 88.80%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.07	85	102309	0.76	PPBV	99
3) PROPYLENE	4.01	41	13720	0.70	PPBV #	76
4) FREON 114	4.33	85	83601	0.72	PPBV	96
5) CHLOROMETHANE	4.23	50	21406	0.78	PPBV	85
6) VINYL CHLORIDE	4.45	62	23346	0.73	PPBV	98
7) 1,3-BUTADIENE	4.59	39	16118	0.67	PPBV	88
8) BROMOMETHANE	4.86	94	27828	0.70	PPBV	98
9) CHLOROETHANE	5.04	64	11262	0.73	PPBV	95
10) TRICHLOROFLUOROMETHANE	5.79	101	104032	0.72	PPBV	98
11) ISOPROPYL ALCOHOL	6.03	45	29822m	0.63	PPBV	
12) ACETONE	5.68	43	111506	2.09	PPBV	72
13) PENTANE	6.14	42	40215	1.35	PPBV	97
14) 1,1-DICHLOROETHYLENE	6.43	96	25308	0.63	PPBV	98
15) CARBON DISULFIDE	6.85	76	81032	0.71	PPBV	91
16) ETHANOL	5.30	45	7283m	0.89	PPBV	
17) BROMOETHENE	5.40	106	23736	0.59	PPBV #	96
18) METHYLENE CHLORIDE	6.55	84	75365	1.41	PPBV	93
19) 3-CHLOROPROPENE	6.66	39	20602	0.63	PPBV	92
20) FREON 113	6.80	151	66319	0.70	PPBV	89
21) TRANS-1,2-DICHLOROETHYLENE	7.46	96	23252	0.58	PPBV	89
22) TERTIARY BUTYL ALCOHOL	6.66	59	22222	0.41	PPBV #	69
23) METHYL TERTIARY BUTYL ETHE	7.76	73	47501	0.55	PPBV	87
24) TETRAHYDROFURAN	9.23	42	11364	0.42	PPBV #	69
25) HEXANE	8.64	57	37755	0.77	PPBV	92
26) VINYL ACETATE	7.80	43	31274	0.62	PPBV	88
27) 1,1-DICHLOROETHANE	7.65	63	43016	0.64	PPBV	99
28) METHYL ETHYL KETONE	8.11	43	32857	0.62	PPBV	97
29) cis-1,2-DICHLOROETHYLENE	8.46	96	22685	0.57	PPBV	100
30) ETHYL ACETATE	8.72	43	24265	0.43	PPBV #	88
31) CHLOROFORM	8.74	83	62486	0.64	PPBV	98
32) 1,1,1-TRICHLOROETHANE	9.68	97	70129	0.63	PPBV	98
33) CARBON TETRACHLORIDE	10.26	117	85832	0.63	PPBV	99
34) 1,2-DICHLOROETHANE	9.45	62	34368	0.60	PPBV	96
36) BENZENE	10.12	78	48544	0.49	PPBV	99
37) CYCLOHEXANE	10.37	84	20025	0.42	PPBV	94
38) TRICHLOROETHYLENE	11.11	95	28199	0.55	PPBV	96
39) 1,2-DICHLOROPROPANE	10.90	63	16025	0.50	PPBV	92
40) BROMODICHLOROMETHANE	11.08	83	53524	0.59	PPBV	97
41) 2,2,4-TRIMETHYLPENTANE	11.12	57	73323	0.48	PPBV	92
42) 1,4-DIOXANE	11.25	88	8305m	0.38	PPBV	
43) HEPTANE	11.36	43	20660	0.42	PPBV	93

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10757.D
Acq On : 25 Jun 2007 10:16 am
Operator : danat
Sample : ic557-0.5 (m141)
Misc : MS13762, MSJ557,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 25 10:50:06 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Jun 25 10:46:18 2007
Response via : Initial Calibration

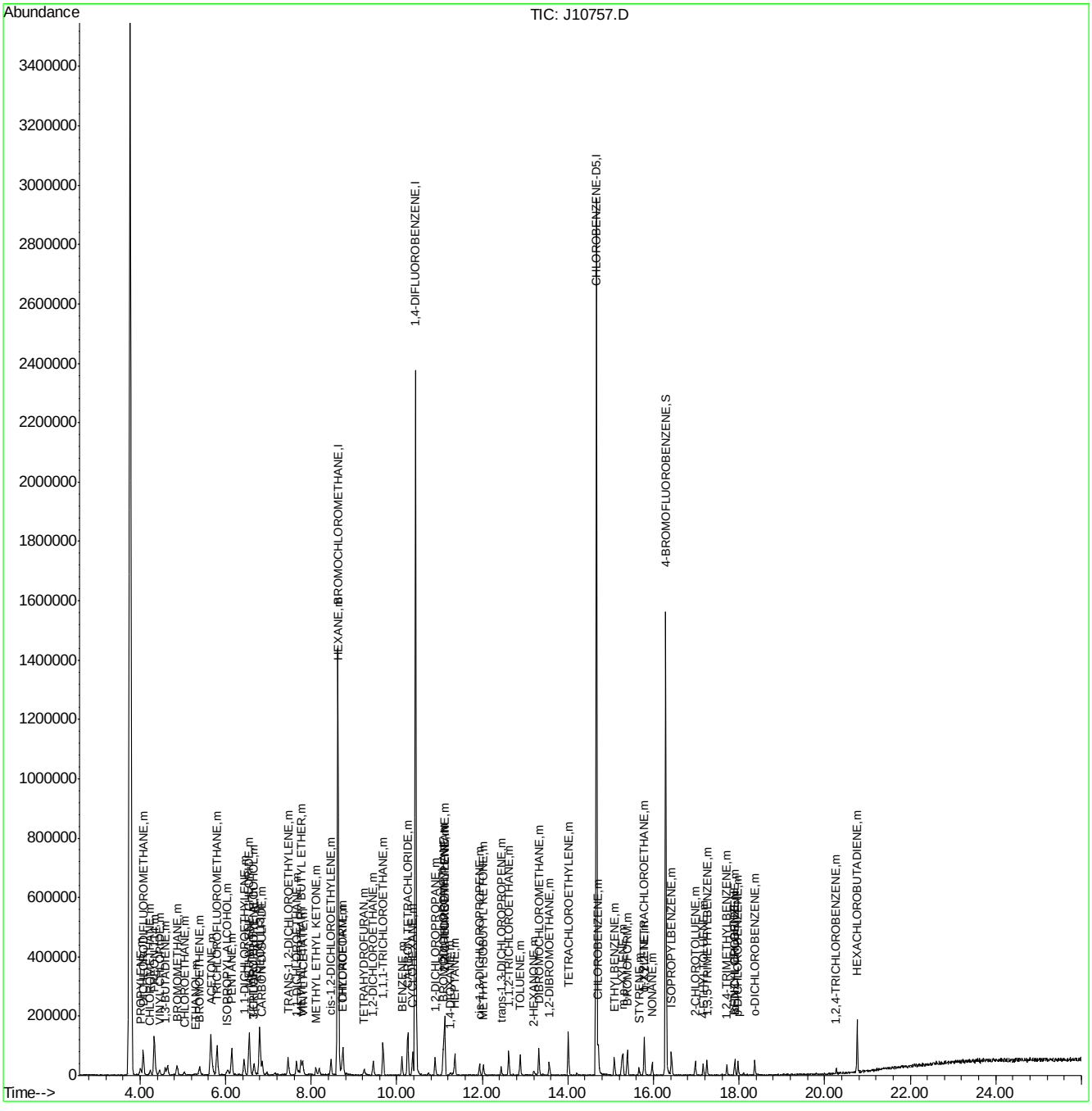
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.02	43	21762	0.37 PPBV #	46
45) cis-1,3-DICHLOROPROPENE	11.93	75	16819	0.34 PPBV	95
46) TOLUENE	12.88	92	27196	0.42 PPBV	98
47) trans-1,3-DICHLOROPROPENE	12.44	75	13551	0.29 PPBV	97
48) 1,1,2-TRICHLOROETHANE	12.61	83	18083	0.54 PPBV	96
50) 2-HEXANONE	13.21	43	13855	0.29 PPBV #	56
51) TETRACHLOROETHYLENE	14.01	164	30571	0.48 PPBV	98
52) DIBROMOCHLOROMETHANE	13.32	129	46822	0.51 PPBV	98
53) 1,2-DIBROMOETHANE	13.57	107	28493	0.46 PPBV	98
54) CHLOROBENZENE	14.71	112	45000	0.47 PPBV	98
55) ETHYLBENZENE	15.09	91	39651	0.31 PPBV	99
56) m,p-XYLENE	15.28	106	32675	0.65 PPBV	93
57) o-XYLENE	15.78	106	13997	0.28 PPBV	98
58) STYRENE	15.67	104	11831	0.19 PPBV	97
59) NONANE	15.97	43	11796	0.24 PPBV	94
60) BROMOFORM	15.39	173	40987	0.46 PPBV	96
62) 1,1,2,2-TETRACHLOROETHANE	15.79	83	36584	0.47 PPBV	99
63) ISOPROPYLBENZENE	16.42	105	42030	0.26 PPBV	97
64) 2-CHLOROTOLUENE	16.97	91	25646	0.26 PPBV	97
65) 4-ETHYLTOLUENE	17.16	105	22196	0.19 PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.25	105	25579	0.21 PPBV	98
67) 1,2,4-TRIMETHYLBENZENE	17.71	105	18107	0.20 PPBV	98
68) m-DICHLOROBENZENE	17.90	146	21337	0.29 PPBV	98
69) BENZYL CHLORIDE	17.89	91	5781	0.11 PPBV	79
70) p-DICHLOROBENZENE	17.97	146	15820	0.25 PPBV	83
71) o-DICHLOROBENZENE	18.37	146	20468	0.31 PPBV	98
72) HEXACHLOROBUTADIENE	20.76	225	28822	0.40 PPBV	98
73) 1,2,4-TRICHLOROBENZENE	20.28	180	5779	0.29 PPBV	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10757.D
Acq On : 25 Jun 2007 10:16 am
Operator : danat
Sample : ic557-0.5 (m141)
Misc : MS13762, MSJ557,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 25 10:50:06 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Jun 25 10:46:18 2007
Response via : Initial Calibration

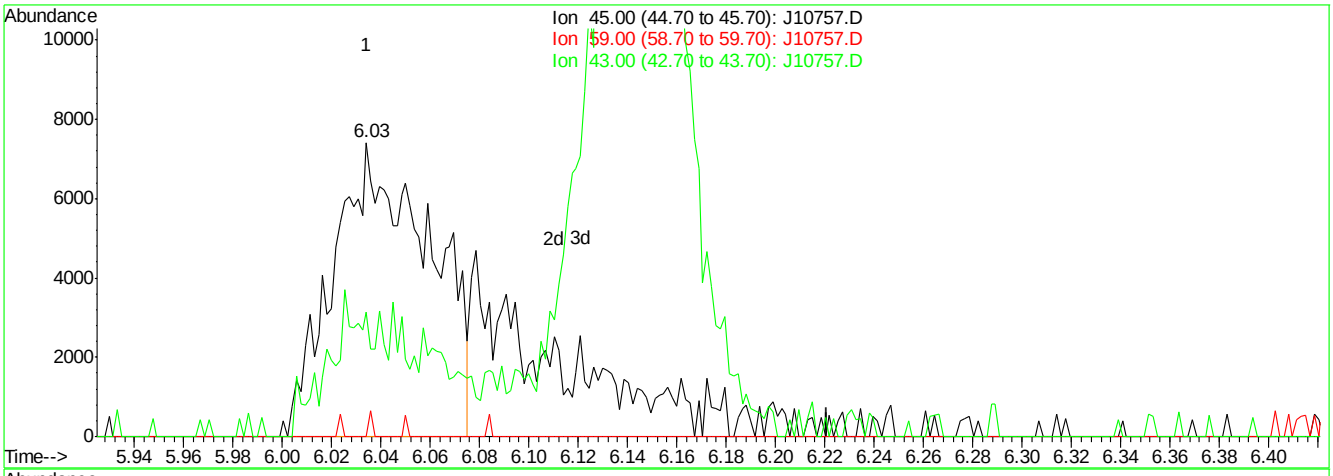


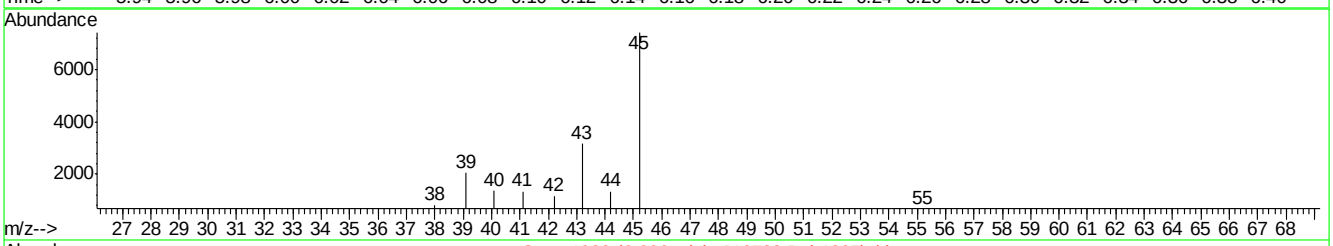
Quantitation Report (Qedit)

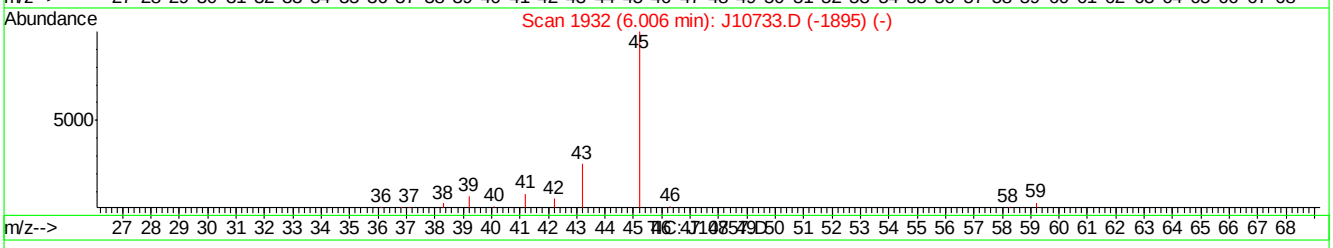
Data File : C:\MSDChem\1\data\J10757.D Vial: 2
Acq On : 25 Jun 2007 10:16 am Operator: danat
Sample : ic557-0.5 (m141) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 25 10:46:29 2007 Results File: J062507T.RES

Method : C:\MSDCHEM\1\METHODS\J062507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Mon Jun 25 10:46:18 2007
Response via : Multiple Level Calibration







(11) ISOPROPYL ALCOHOL (m)

6.03min 0.43PPBV

response 20053

Ion	Exp%	Act%
45.00	100	100
59.00	3.70	0.00
43.00	25.20	42.54
0.00	0.00	0.00

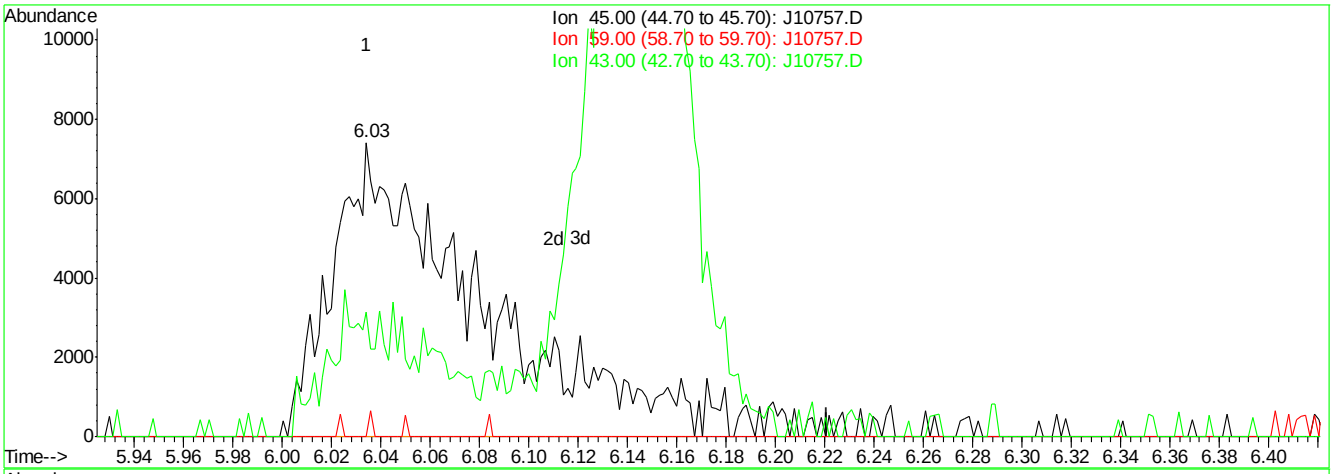
J10757.D J062507T.M Mon Jun 25 10:48:40 2007

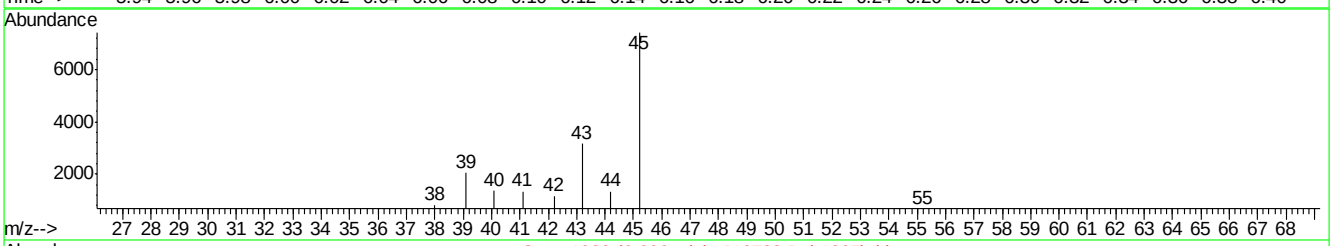
Quantitation Report (Qedit)

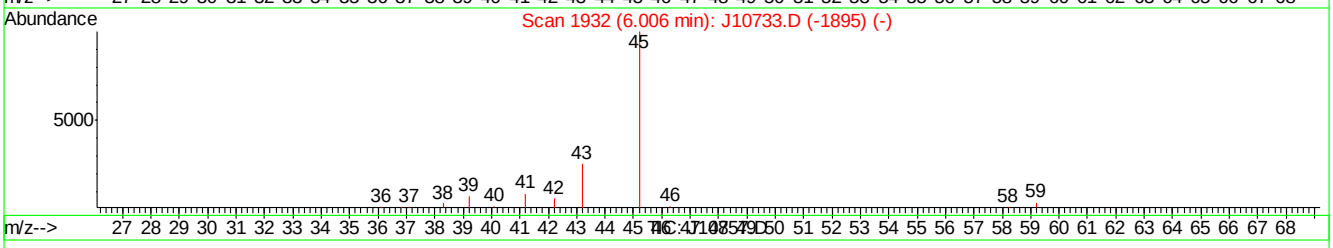
Data File : C:\MSDChem\1\data\J10757.D Vial: 2
Acq On : 25 Jun 2007 10:16 am Operator: danat
Sample : ic557-0.5 (m141) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 25 10:46:29 2007 Results File: J062507T.RES

Method : C:\MSDCHEM\1\METHODS\J062507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Mon Jun 25 10:46:18 2007
Response via : Multiple Level Calibration







(11) ISOPROPYL ALCOHOL (m)

6.03min 0.63PPBV m

response 29822

Ion	Exp%	Act%
45.00	100	100
59.00	3.70	0.00
43.00	25.20	42.54
0.00	0.00	0.00

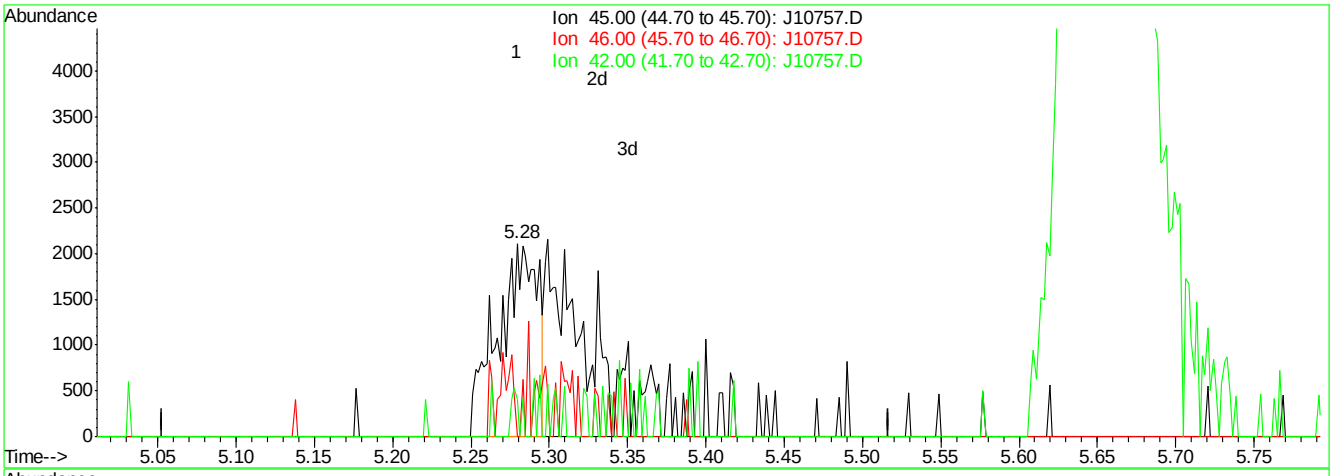
J10757.D J062507T.M Mon Jun 25 10:48:45 2007

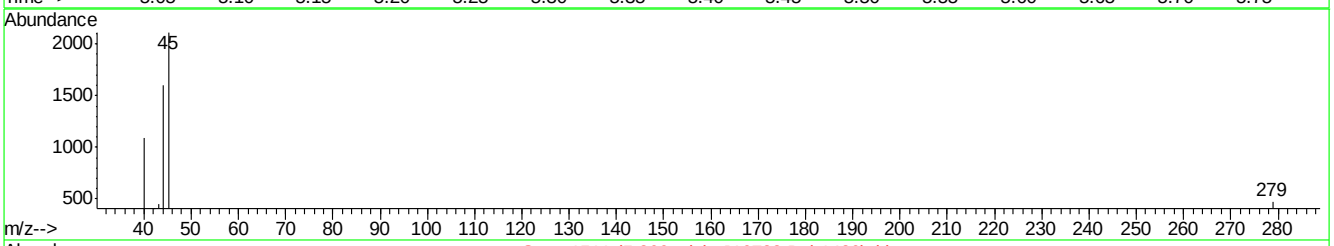
Quantitation Report (Qedit)

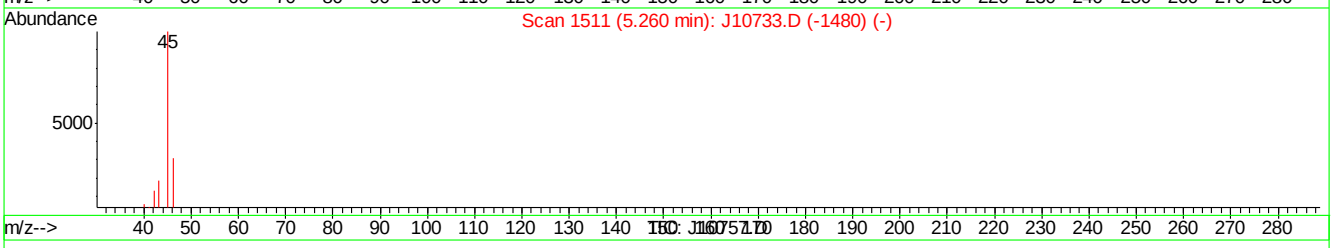
Data File : C:\MSDChem\1\data\J10757.D Vial: 2
Acq On : 25 Jun 2007 10:16 am Operator: danat
Sample : ic557-0.5 (m141) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 25 10:46:29 2007 Results File: J062507T.RES

Method : C:\MSDCHEM\1\METHODS\J062507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Mon Jun 25 10:46:18 2007
Response via : Multiple Level Calibration







(16) ETHANOL (m)

5.28min 0.45PPBV

response 3685

Ion	Exp%	Act%
45.00	100	100
46.00	6.50	18.43
42.00	2.80	5.10
0.00	0.00	0.00

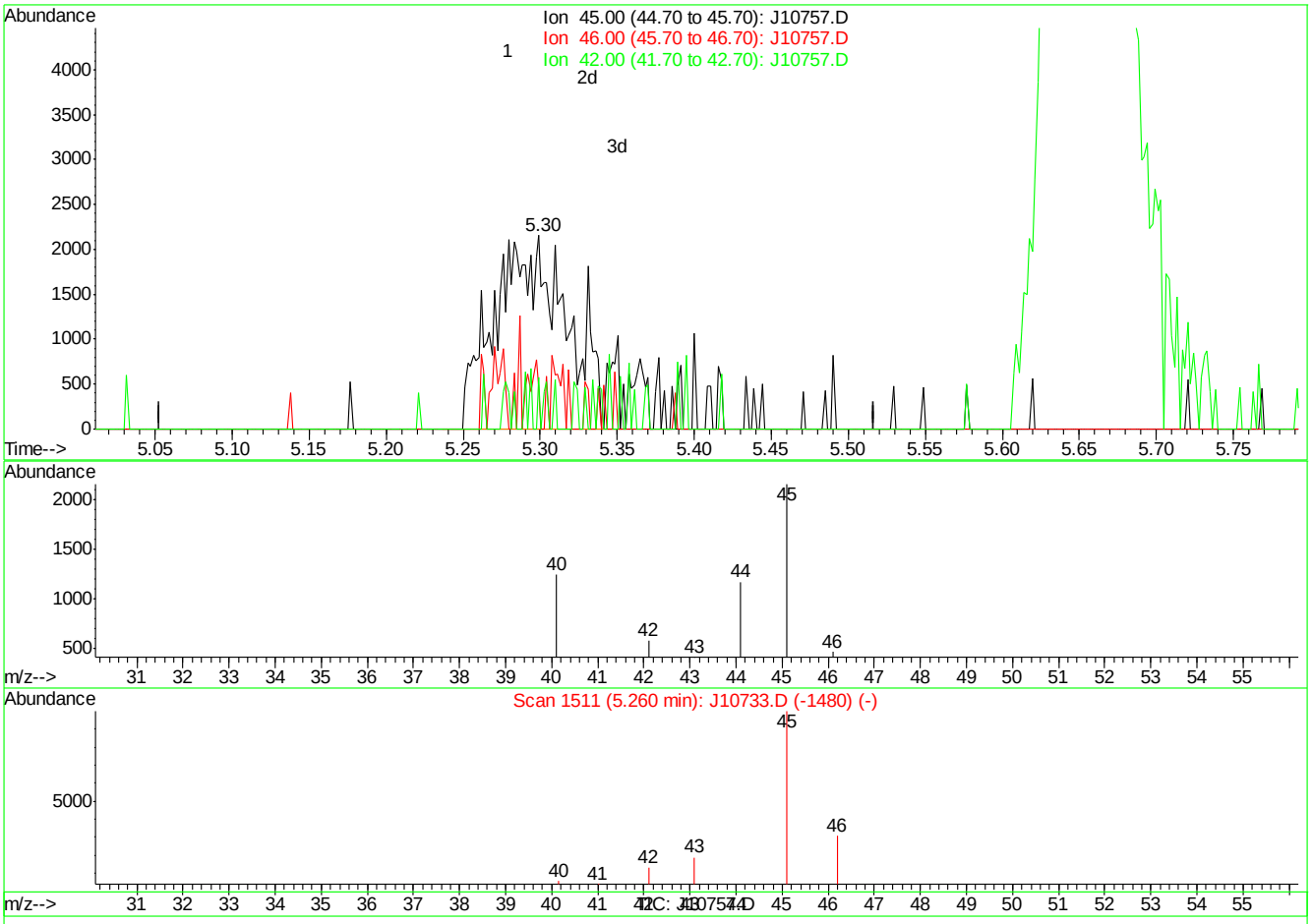
J10757.D J062507T.M Mon Jun 25 10:49:22 2007

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10757.D Vial: 2
Acq On : 25 Jun 2007 10:16 am Operator: danat
Sample : ic557-0.5 (m141) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 25 10:46:29 2007 Results File: J062507T.RES

Method : C:\MSDCHEM\1\METHODS\J062507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Mon Jun 25 10:46:18 2007
Response via : Multiple Level Calibration



(16) ETHANOL (m)

5.30min 0.89PPBV m

response 7283

Ion	Exp%	Act%
45.00	100	100
46.00	6.50	9.32
42.00	2.80	2.58
0.00	0.00	0.00

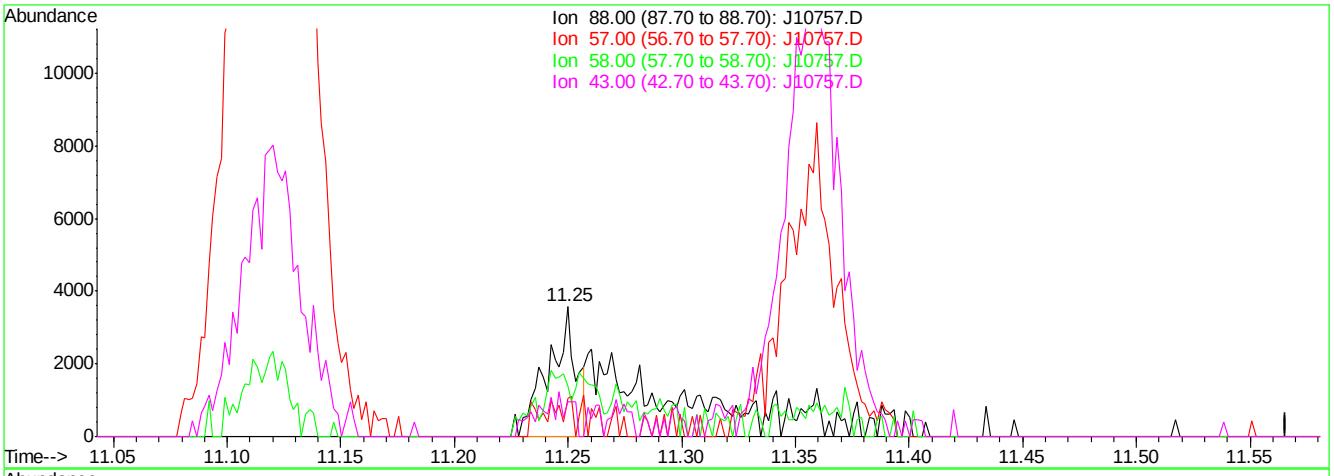
J10757.D J062507T.M Mon Jun 25 10:49:33 2007

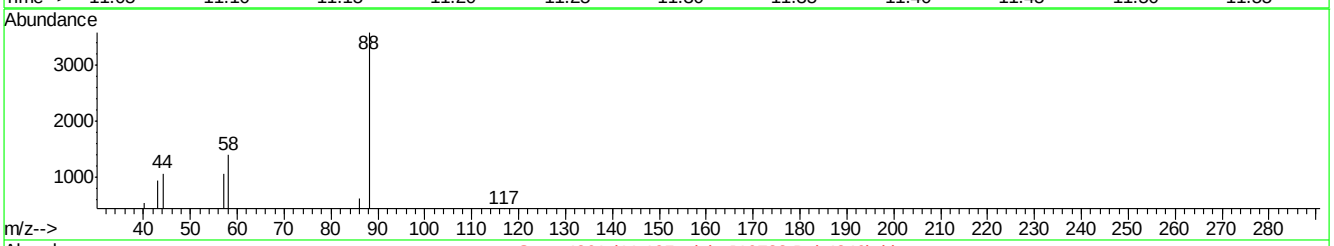
Quantitation Report (Qedit)

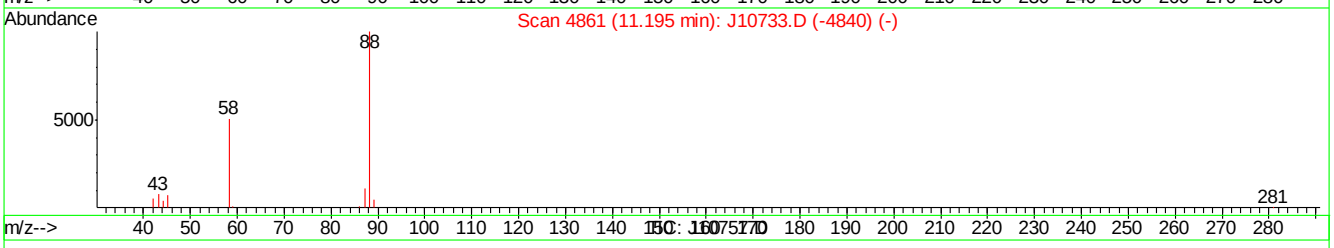
Data File : C:\MSDChem\1\data\J10757.D Vial: 2
Acq On : 25 Jun 2007 10:16 am Operator: danat
Sample : ic557-0.5 (m141) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 25 10:46:29 2007 Results File: J062507T.RES

Method : C:\MSDCHEM\1\METHODS\J062507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Mon Jun 25 10:46:18 2007
Response via : Multiple Level Calibration







(42) 1,4-DIOXANE (m)

11.25min 0.14PPBV

response 3047

Ion	Exp%	Act%
88.00	100	100
57.00	21.70	29.39
58.00	53.20	38.90
43.00	22.40	26.32

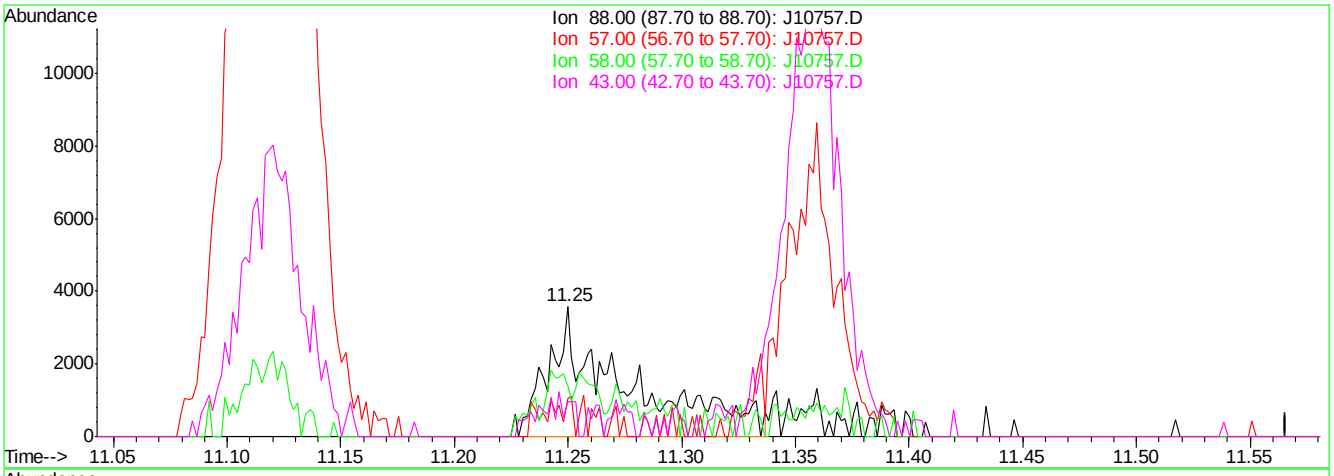
J10757.D J062507T.M Mon Jun 25 10:49:57 2007

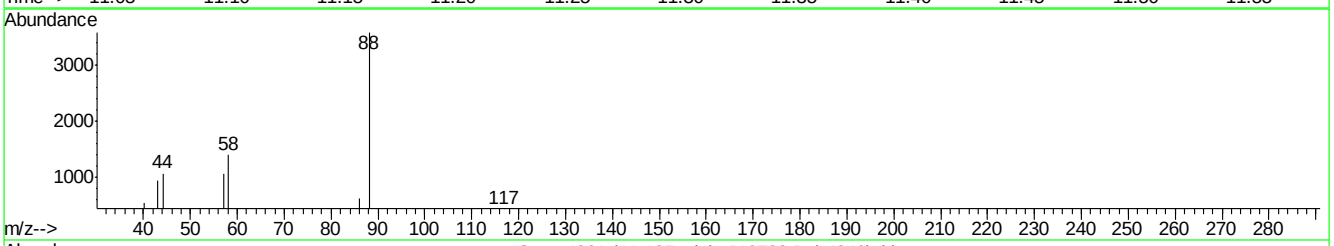
Quantitation Report (Qedit)

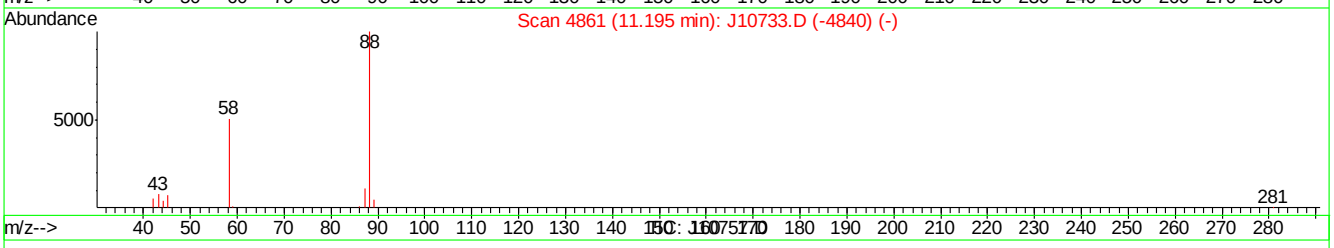
Data File : C:\MSDChem\1\data\J10757.D Vial: 2
Acq On : 25 Jun 2007 10:16 am Operator: danat
Sample : ic557-0.5 (m141) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 25 10:46:29 2007 Results File: J062507T.RES

Method : C:\MSDCHEM\1\METHODS\J062507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Mon Jun 25 10:46:18 2007
Response via : Multiple Level Calibration







(42) 1,4-DIOXANE (m)

11.25min 0.38PPBV m

response 8305

Ion	Exp%	Act%
88.00	100	100
57.00	21.70	29.39
58.00	53.20	38.90
43.00	22.40	26.32

J10757.D J062507T.M Mon Jun 25 10:50:10 2007

Manual Integrations APPROVED (compounds with "m" flag)
Philip Bassignani 06/27/07 12:10

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10758.D
Acq On : 25 Jun 2007 11:05 am
Operator : danat
Sample : ic557-0.2 (m141)
Misc : MS13762, MSJ557,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 25 11:53:11 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Jun 25 10:46:18 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	410191	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.43	114	1809825	10.00	PPBV	-0.02
49) CHLOROBENZENE-D5	14.66	117	1513108	10.00	PPBV	-0.01
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.28	95	380172	4.05	PPBV	-0.02
Spiked Amount 5.000	Range 51 - 142		Recovery = 81.00%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.07	85	29029	0.22	PPBV	98
3) PROPYLENE	4.00	41	3157	0.16	PPBV #	74
4) FREON 114	4.33	85	25549	0.23	PPBV	94
5) CHLOROMETHANE	4.24	50	6469	0.24	PPBV	97
6) VINYL CHLORIDE	4.46	62	6708	0.21	PPBV	78
7) 1,3-BUTADIENE	4.59	39	3392m	0.14	PPBV	
8) BROMOMETHANE	4.86	94	6369	0.16	PPBV	80
9) CHLOROETHANE	5.03	64	2370	0.16	PPBV #	66
10) TRICHLOROFLUOROMETHANE	5.80	101	30665	0.22	PPBV	95
12) ACETONE	5.70	43	19927	0.38	PPBV	65
13) PENTANE	6.15	42	6321m	0.22	PPBV	
14) 1,1-DICHLOROETHYLENE	6.43	96	5731	0.15	PPBV #	79
15) CARBON DISULFIDE	6.85	76	23212	0.21	PPBV	95
17) BROMOETHENE	5.39	106	6298	0.16	PPBV #	93
18) METHYLENE CHLORIDE	6.55	84	26751	0.51	PPBV	91
19) 3-CHLOROPROPENE	6.66	39	3855	0.12	PPBV #	82
20) FREON 113	6.80	151	18939	0.21	PPBV	93
21) TRANS-1,2-DICHLOROETHYLENE	7.46	96	6122	0.16	PPBV	89
23) METHYL TERTIARY BUTYL ETHE	7.79	73	9918	0.12	PPBV	94
25) HEXANE	8.64	57	9490	0.20	PPBV	83
27) 1,1-DICHLOROETHANE	7.66	63	11274	0.17	PPBV	95
28) METHYL ETHYL KETONE	8.14	43	8365m	0.16	PPBV	
29) cis-1,2-DICHLOROETHYLENE	8.46	96	5752	0.15	PPBV	92
31) CHLOROFORM	8.74	83	17762	0.19	PPBV	96
32) 1,1,1-TRICHLOROETHANE	9.68	97	18709	0.17	PPBV	96
33) CARBON TETRACHLORIDE	10.26	117	23996	0.18	PPBV	98
34) 1,2-DICHLOROETHANE	9.44	62	8641	0.15	PPBV	97
36) BENZENE	10.12	78	11068	0.11	PPBV	96
38) TRICHLOROETHYLENE	11.11	95	7095	0.14	PPBV	92
39) 1,2-DICHLOROPROPANE	10.89	63	4538	0.14	PPBV	92
40) BROMODICHLOROMETHANE	11.09	83	14504	0.16	PPBV	100
48) 1,1,2-TRICHLOROETHANE	12.62	83	5154	0.16	PPBV	94
51) TETRACHLOROETHYLENE	14.00	164	7339	0.12	PPBV	97
52) DIBROMOCHLOROMETHANE	13.32	129	12348	0.14	PPBV	96
53) 1,2-DIBROMOETHANE	13.56	107	6887	0.12	PPBV #	94
54) CHLOROBENZENE	14.71	112	11911	0.13	PPBV	98
56) m,p-XYLENE	15.28	106	5280m	0.11	PPBV	
60) BROMOFORM	15.39	173	10150	0.12	PPBV	93
62) 1,1,2,2-TETRACHLOROETHANE	15.79	83	8023	0.11	PPBV	86
72) HEXACHLOROBUTADIENE	20.76	225	6658	0.10	PPBV	98

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10758.D
Acq On : 25 Jun 2007 11:05 am
Operator : danat
Sample : ic557-0.2 (m141)
Misc : MS13762, MSJ557,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 25 11:53:11 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Jun 25 10:46:18 2007
Response via : Initial Calibration

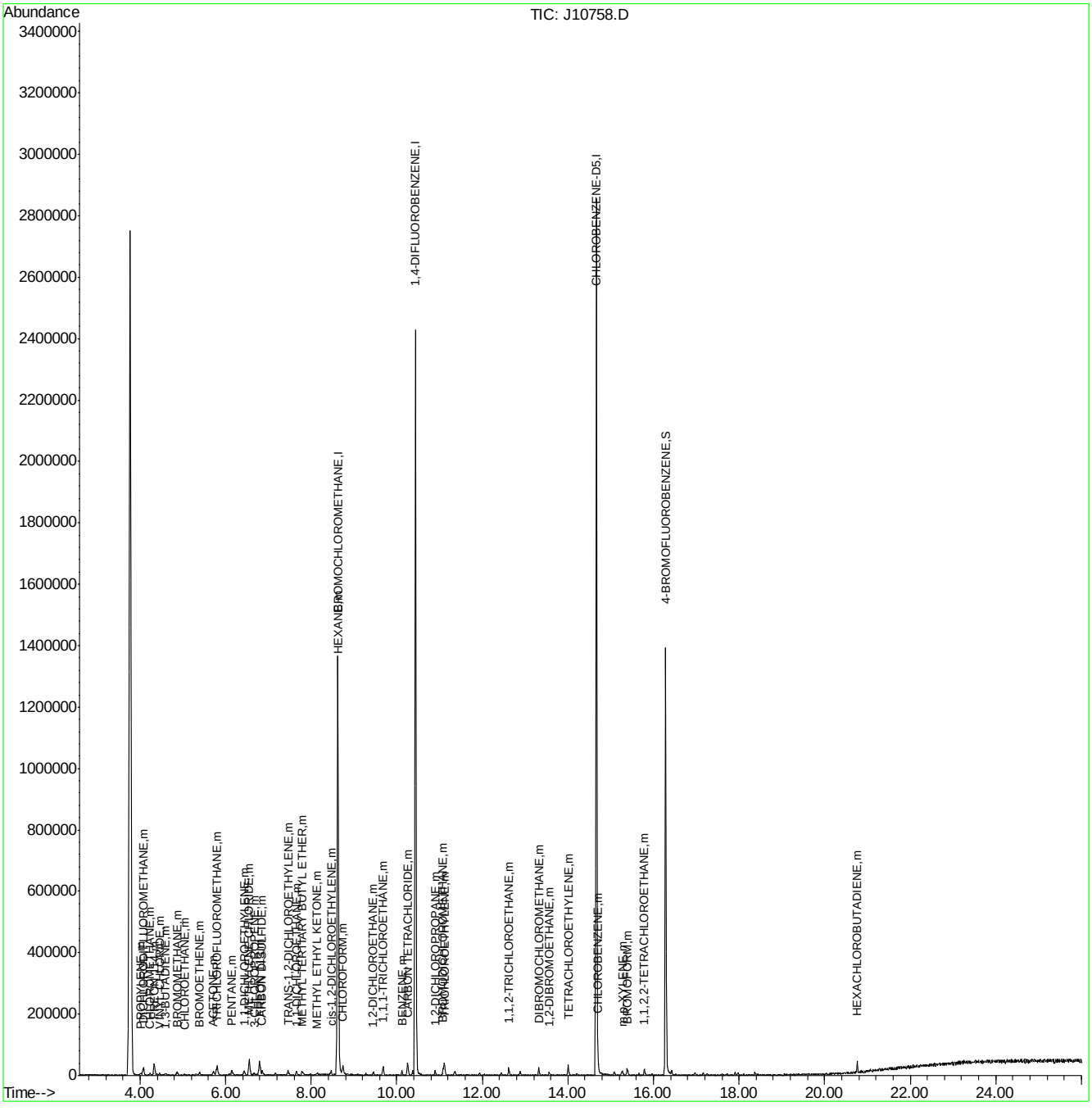
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10758.D
Acq On : 25 Jun 2007 11:05 am
Operator : danat
Sample : ic557-0.2 (m141)
Misc : MS13762, MSJ557,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 25 11:53:11 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Jun 25 10:46:18 2007
Response via : Initial Calibration

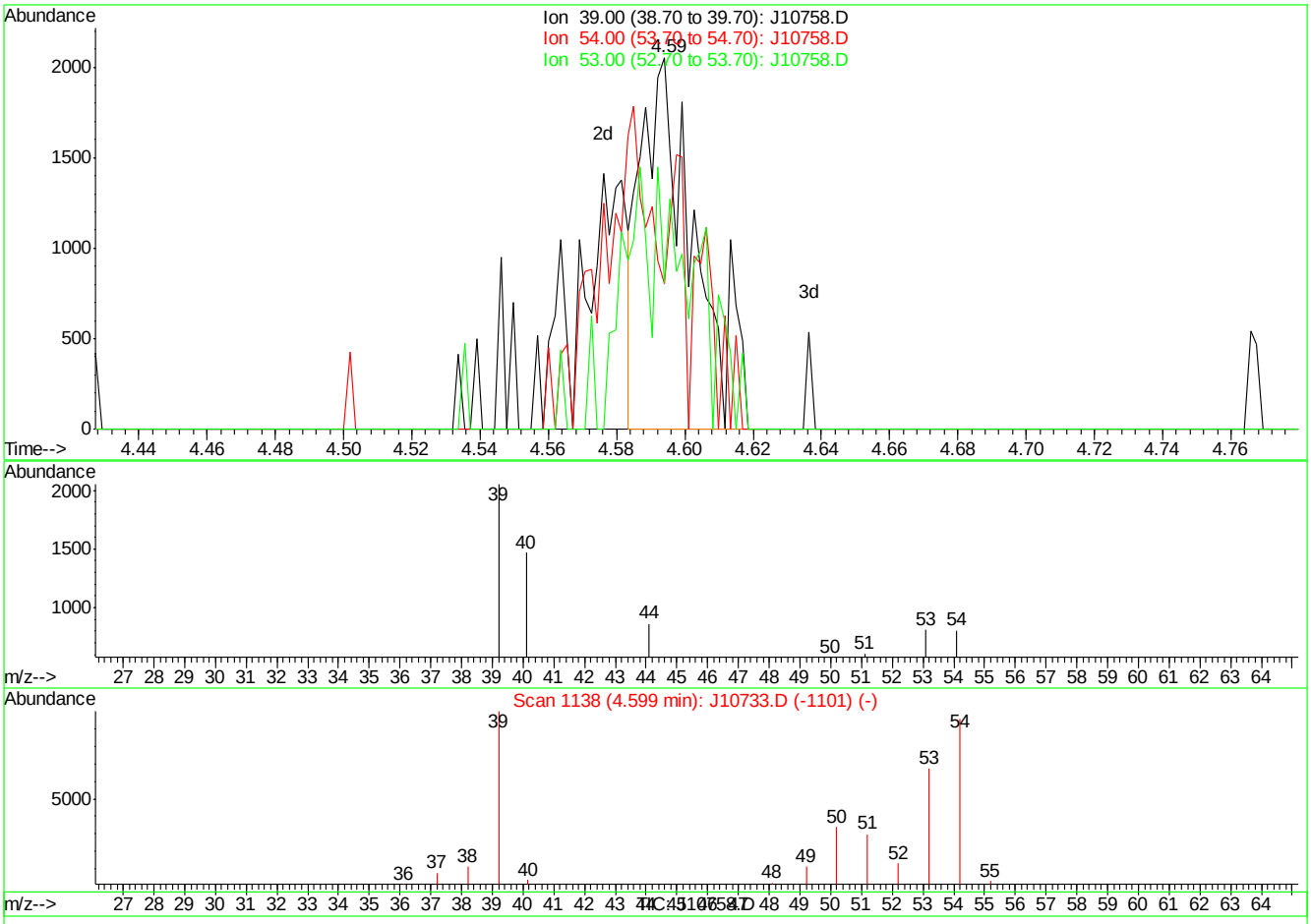


Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10758.D Vial: 2
Acq On : 25 Jun 2007 11:05 am Operator: danat
Sample : ic557-0.2 (m141) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 25 11:48:28 2007 Results File: J062507T.RES

Method : C:\MSDCHEM\1\METHODS\J062507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Mon Jun 25 10:46:18 2007
Response via : Multiple Level Calibration



(7) 1,3-BUTADIENE (m)

4.59min 0.10PPBV

response 2273

Ion	Exp%	Act%
39.00	100	100
54.00	93.50	101.54
53.00	66.30	88.65#
0.00	0.00	0.00

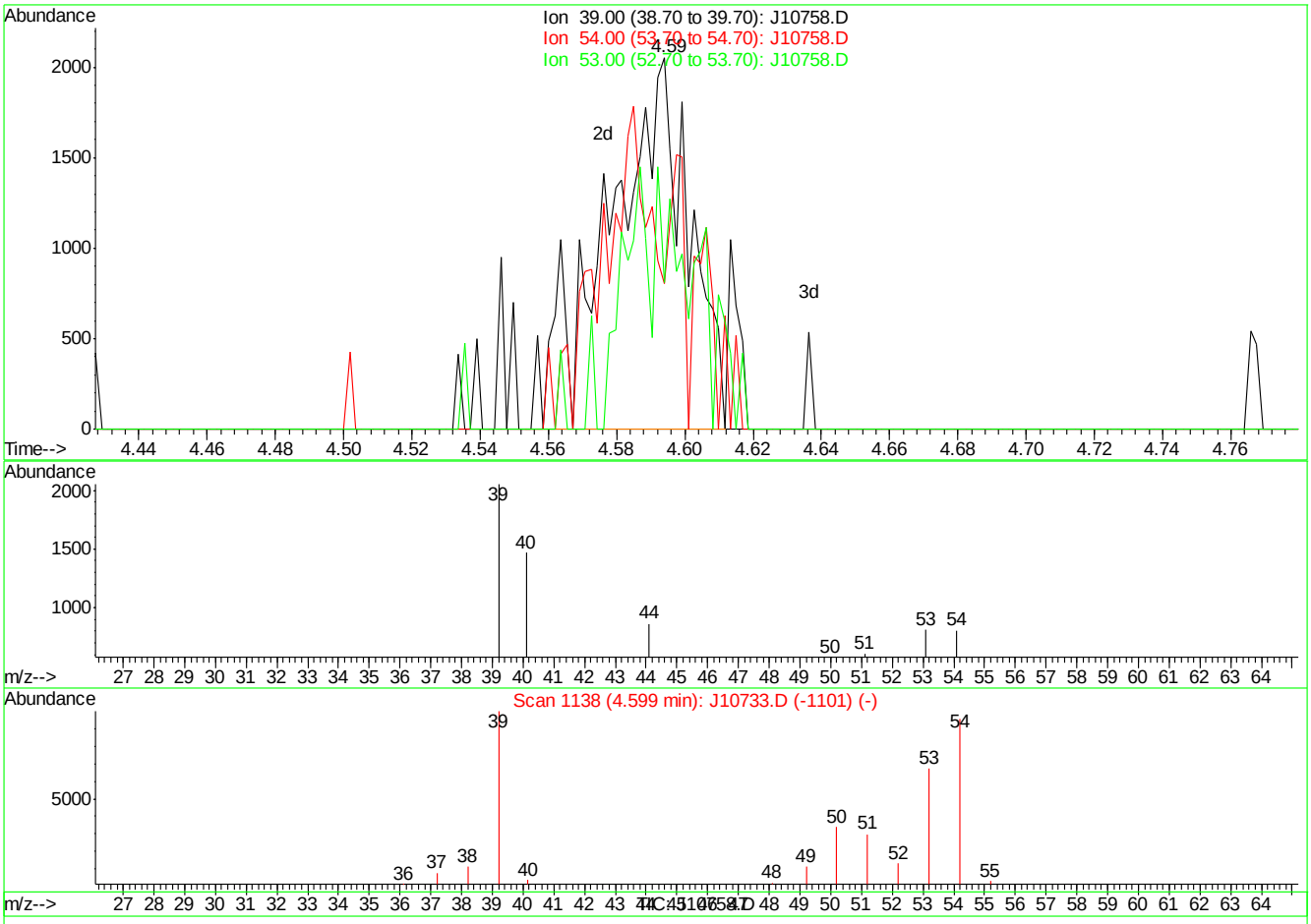
J10758.D J062507T.M Mon Jun 25 11:49:01 2007

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10758.D Vial: 2
Acq On : 25 Jun 2007 11:05 am Operator: danat
Sample : ic557-0.2 (m141) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 25 11:48:28 2007 Results File: J062507T.RES

Method : C:\MSDCHEM\1\METHODS\J062507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Mon Jun 25 10:46:18 2007
Response via : Multiple Level Calibration



(7) 1,3-BUTADIENE (m)

4.59min 0.14PPBV m

response 3392

Ion	Exp%	Act%
39.00	100	100
54.00	93.50	68.04#
53.00	66.30	59.40
0.00	0.00	0.00

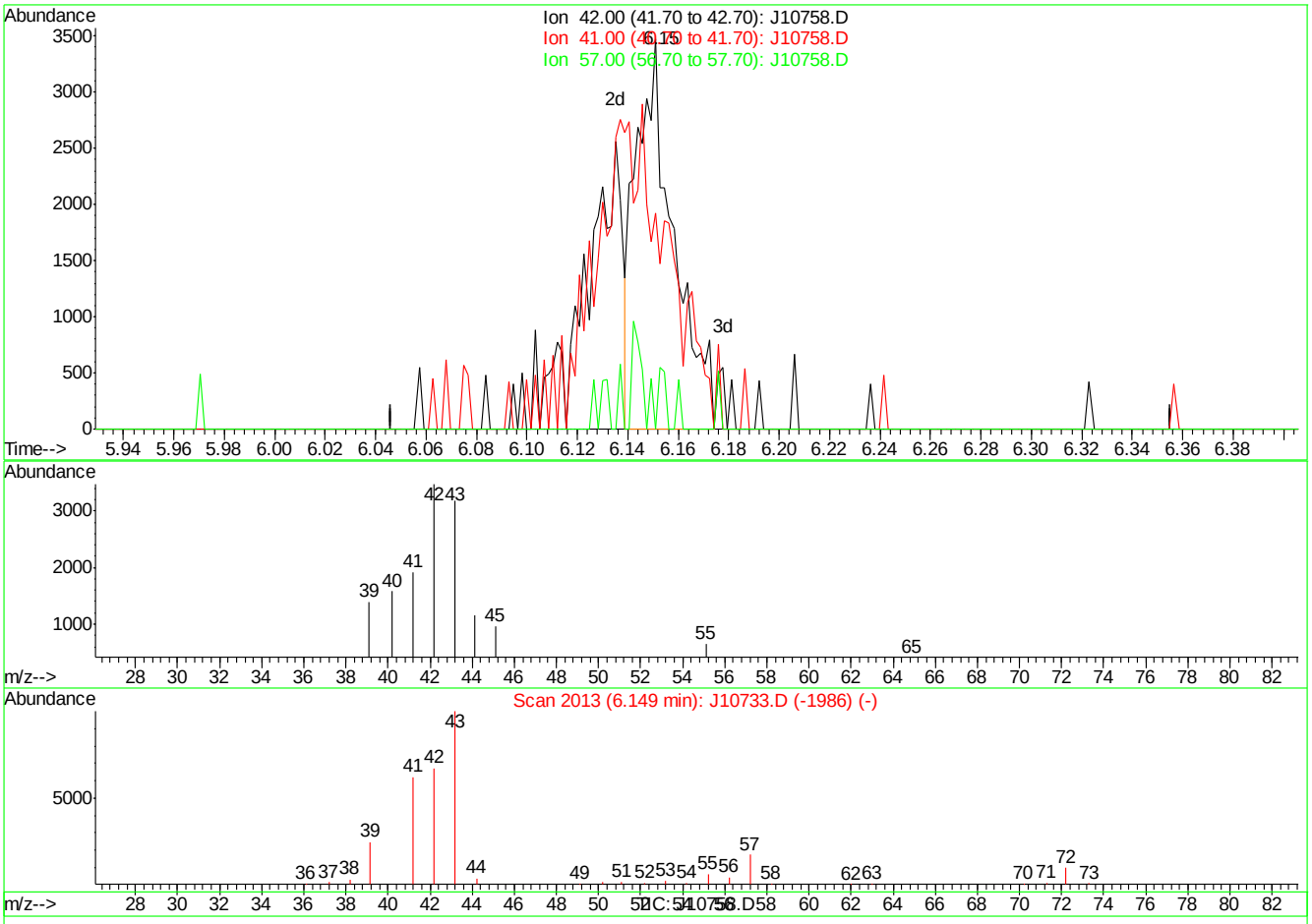
J10758.D J062507T.M Mon Jun 25 11:49:09 2007

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10758.D Vial: 2
Acq On : 25 Jun 2007 11:05 am Operator: danat
Sample : ic557-0.2 (m141) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 25 11:48:28 2007 Results File: J062507T.RES

Method : C:\MSDCHEM\1\METHODS\J062507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Mon Jun 25 10:46:18 2007
Response via : Multiple Level Calibration



(13) PENTANE (m)

6.15min 0.12PPBV

response 3605

Ion	Exp%	Act%
42.00	100	100
41.00	98.50	159.72#
57.00	25.90	12.40
0.00	0.00	0.00

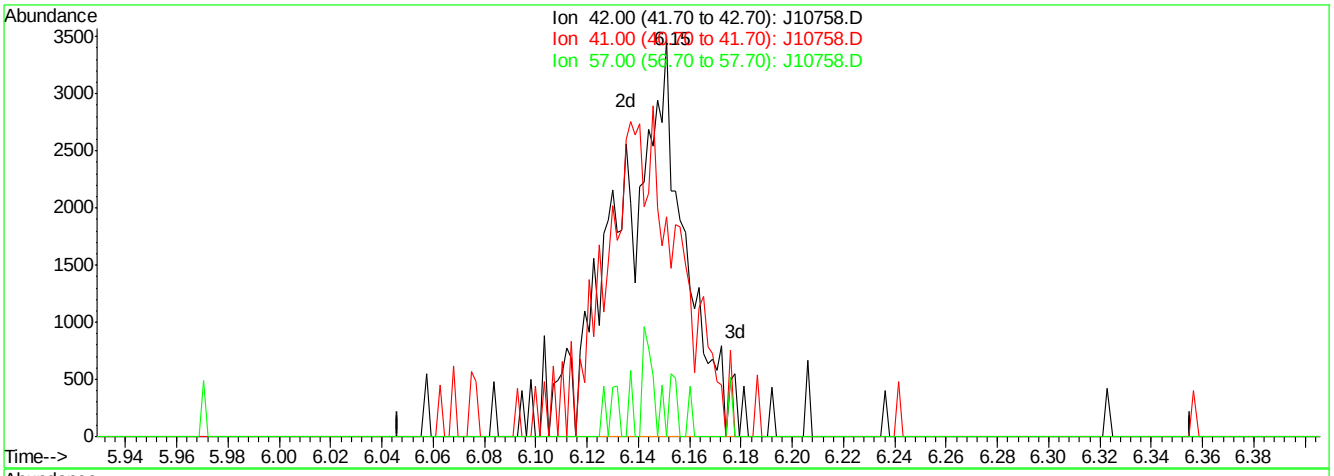
J10758.D J062507T.M Mon Jun 25 11:49:31 2007

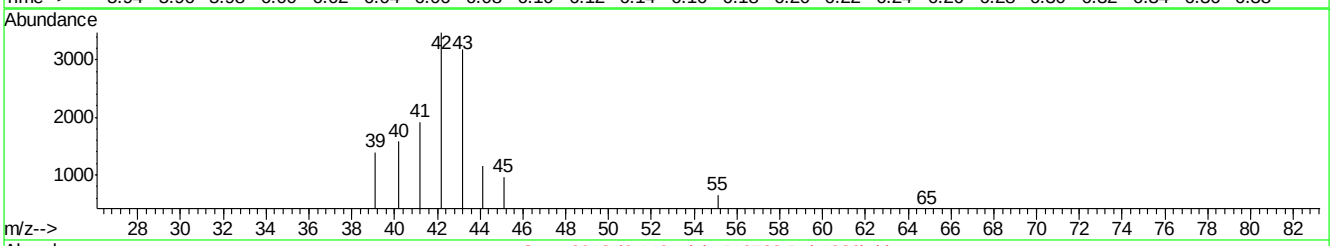
Quantitation Report (Qedit)

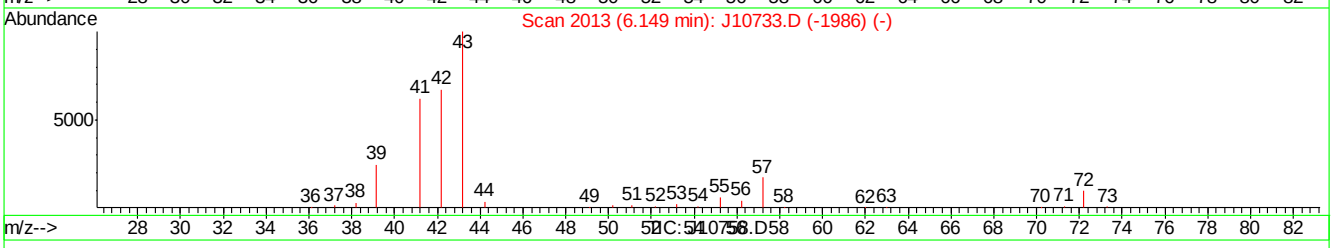
Data File : C:\MSDChem\1\data\J10758.D Vial: 2
Acq On : 25 Jun 2007 11:05 am Operator: danat
Sample : ic557-0.2 (m141) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 25 11:48:28 2007 Results File: J062507T.RES

Method : C:\MSDCHEM\1\METHODS\J062507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Mon Jun 25 10:46:18 2007
Response via : Multiple Level Calibration







(13) PENTANE (m)

6.15min 0.22PPBV m

response 6321

Ion	Exp%	Act%
42.00	100	100
41.00	98.50	91.09
57.00	25.90	7.07
0.00	0.00	0.00

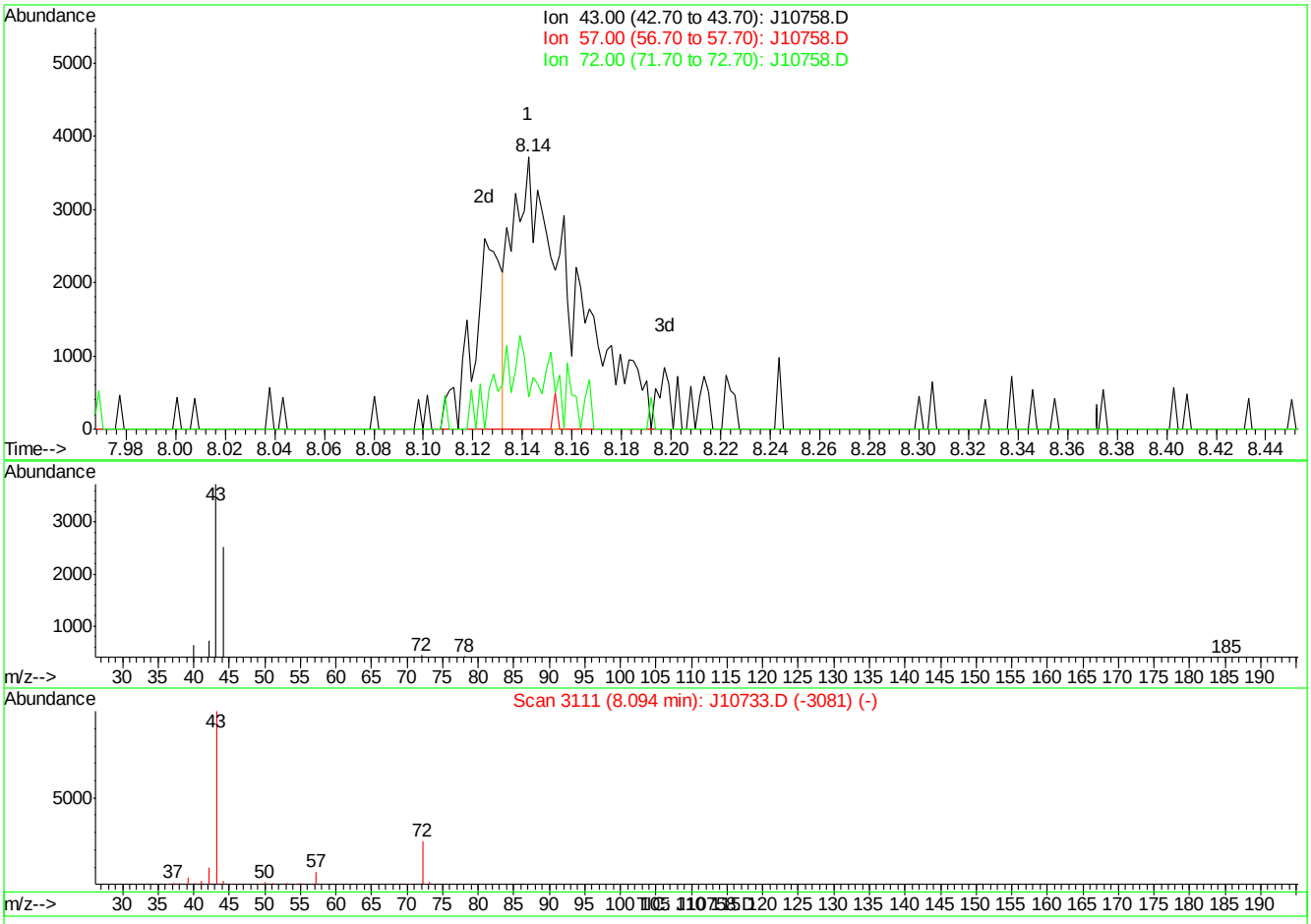
J10758.D J062507T.M Mon Jun 25 11:49:39 2007

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10758.D Vial: 2
Acq On : 25 Jun 2007 11:05 am Operator: danat
Sample : ic557-0.2 (m141) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 25 11:48:28 2007 Results File: J062507T.RES

Method : C:\MSDCHEM\1\METHODS\J062507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Mon Jun 25 10:46:18 2007
Response via : Multiple Level Calibration



(28) METHYL ETHYL KETONE (m)

8.14min 0.12PPBV

response 6487

Ion	Exp%	Act%
43.00	100	100
57.00	7.50	0.00
72.00	24.80	11.87
0.00	0.00	0.00

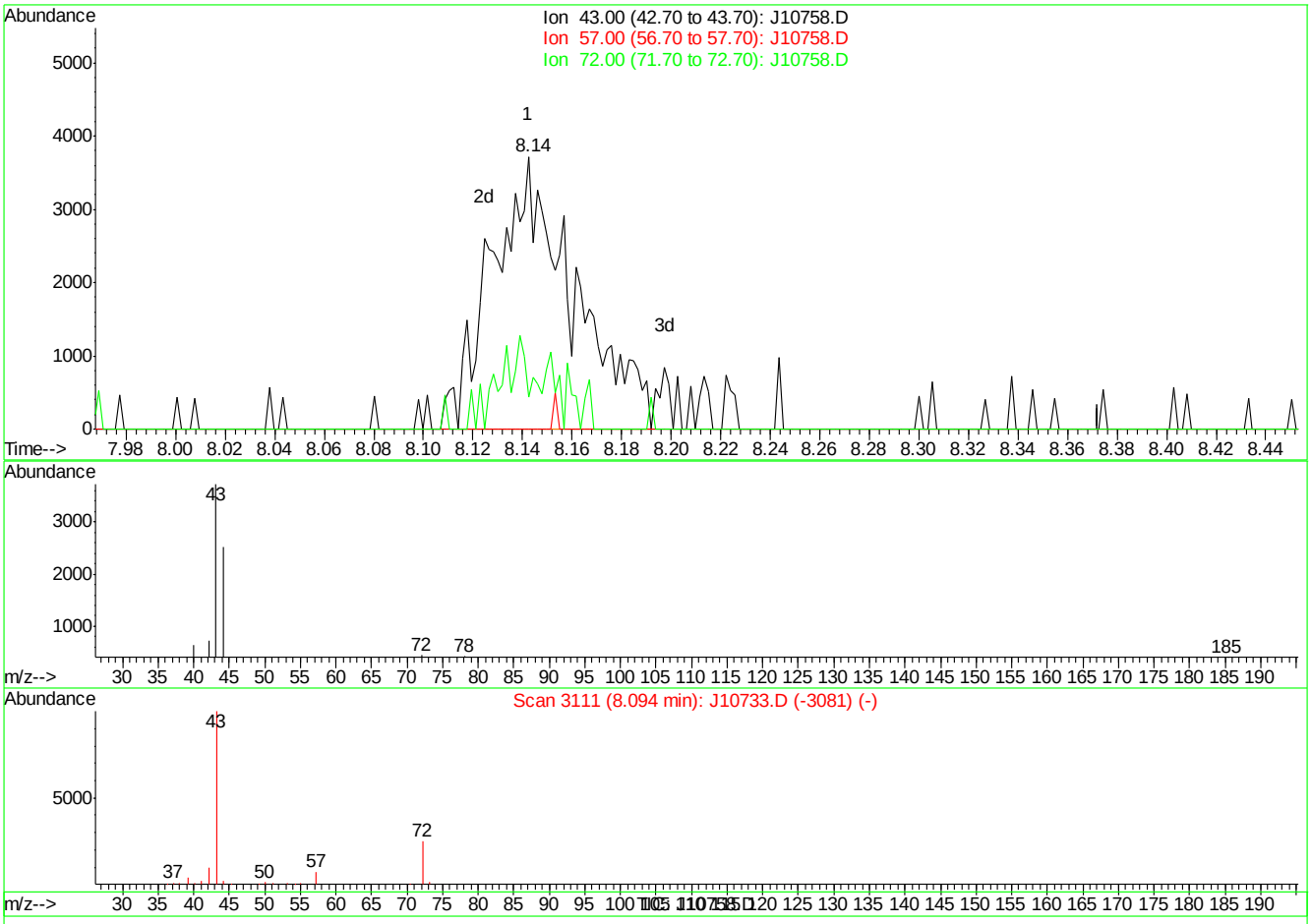
J10758.D J062507T.M Mon Jun 25 11:50:19 2007

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10758.D Vial: 2
Acq On : 25 Jun 2007 11:05 am Operator: danat
Sample : ic557-0.2 (m141) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 25 11:48:28 2007 Results File: J062507T.RES

Method : C:\MSDCHEM\1\METHODS\J062507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Mon Jun 25 10:46:18 2007
Response via : Multiple Level Calibration



(28) METHYL ETHYL KETONE (m)

8.14min 0.16PPBV m

response 8365

Ion	Exp%	Act%
43.00	100	100
57.00	7.50	0.00
72.00	24.80	11.87
0.00	0.00	0.00

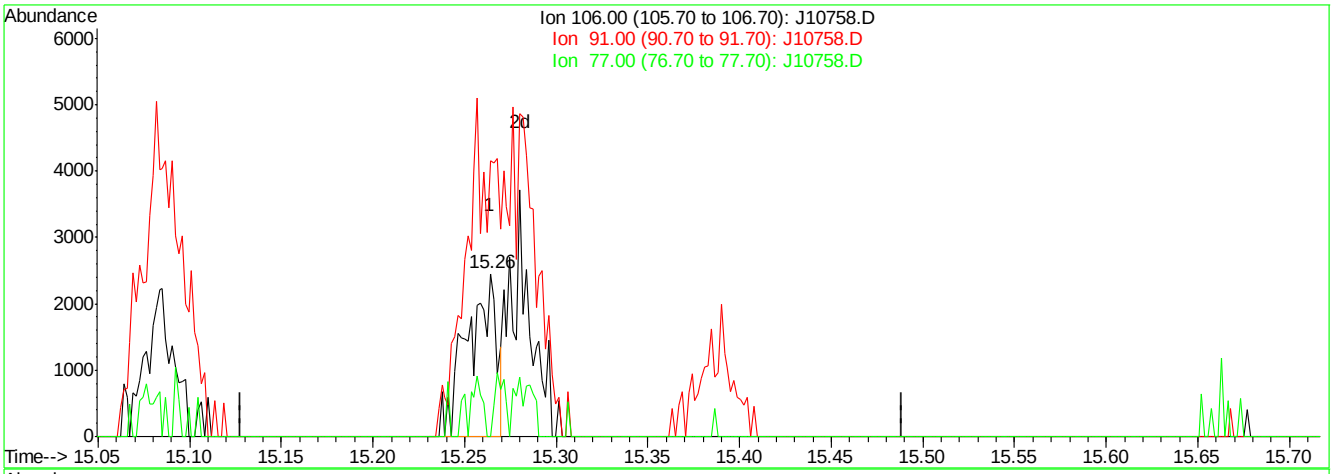
J10758.D J062507T.M Mon Jun 25 11:50:25 2007

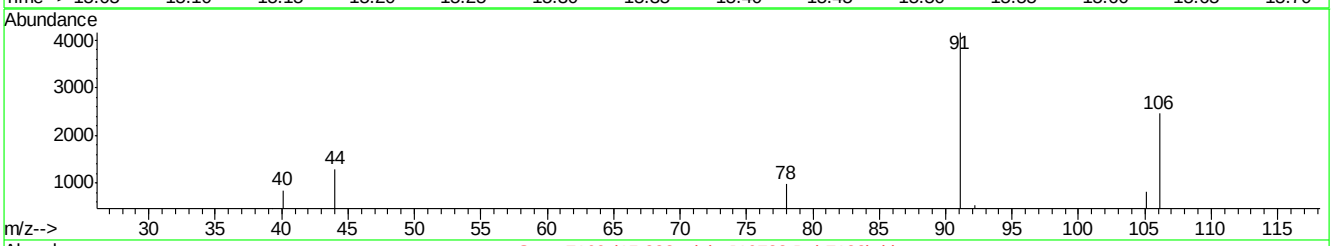
Quantitation Report (Qedit)

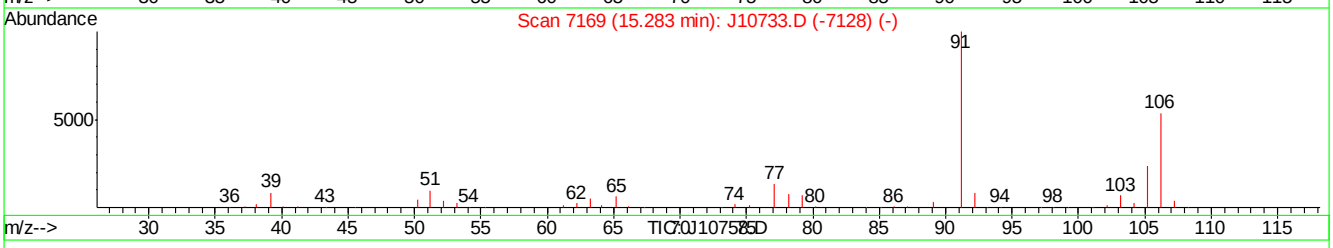
Data File : C:\MSDChem\1\data\J10758.D Vial: 2
Acq On : 25 Jun 2007 11:05 am Operator: danat
Sample : ic557-0.2 (m141) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 25 11:48:28 2007 Results File: J062507T.RES

Method : C:\MSDCHEM\1\METHODS\J062507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Mon Jun 25 10:46:18 2007
Response via : Multiple Level Calibration







(56) m,p-XYLENE (m)

15.26min 0.06PPBV

response 2674

Ion	Exp%	Act%
106.00	100	100
91.00	186.60	169.16
77.00	24.80	0.00#
0.00	0.00	0.00

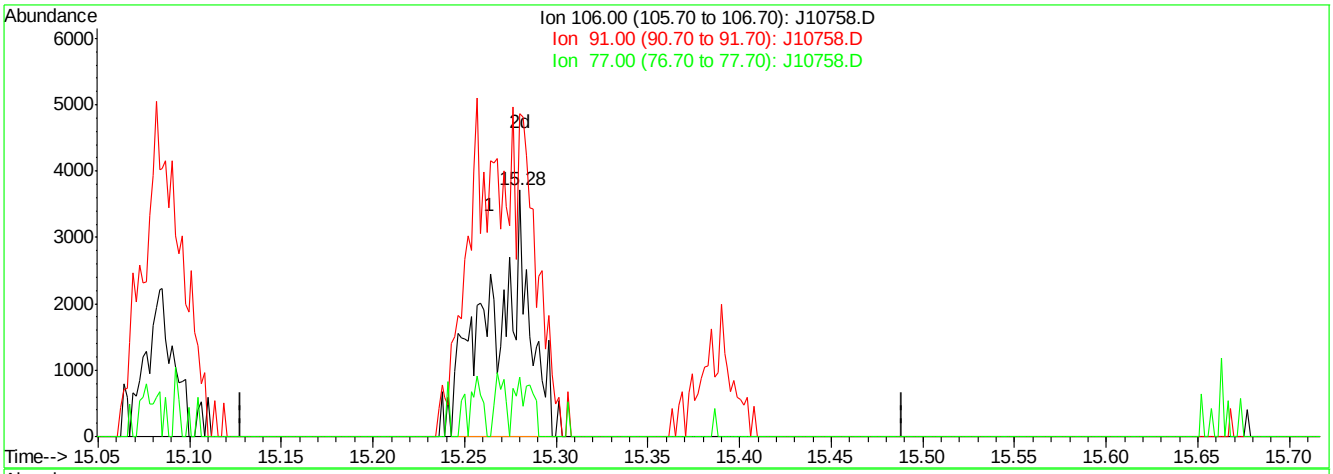
J10758.D J062507T.M Mon Jun 25 11:52:03 2007

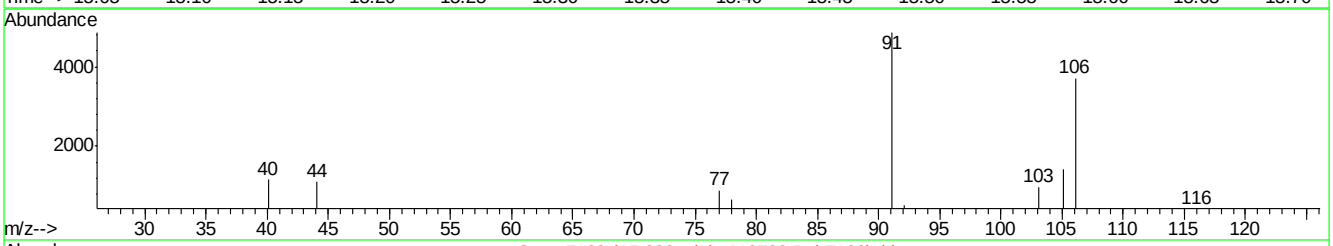
Quantitation Report (Qedit)

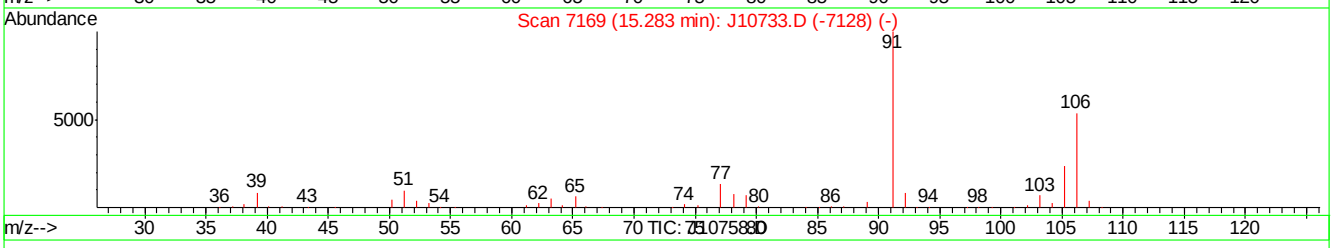
Data File : C:\MSDChem\1\data\J10758.D Vial: 2
Acq On : 25 Jun 2007 11:05 am Operator: danat
Sample : ic557-0.2 (m141) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 25 11:48:28 2007 Results File: J062507T.RES

Method : C:\MSDCHEM\1\METHODS\J062507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Mon Jun 25 10:46:18 2007
Response via : Multiple Level Calibration







(56) m,p-XYLENE (m)

15.28min 0.11PPBV m

response 5280

Ion	Exp%	Act%
106.00	100	100
91.00	186.60	130.78#
77.00	24.80	24.02
0.00	0.00	0.00

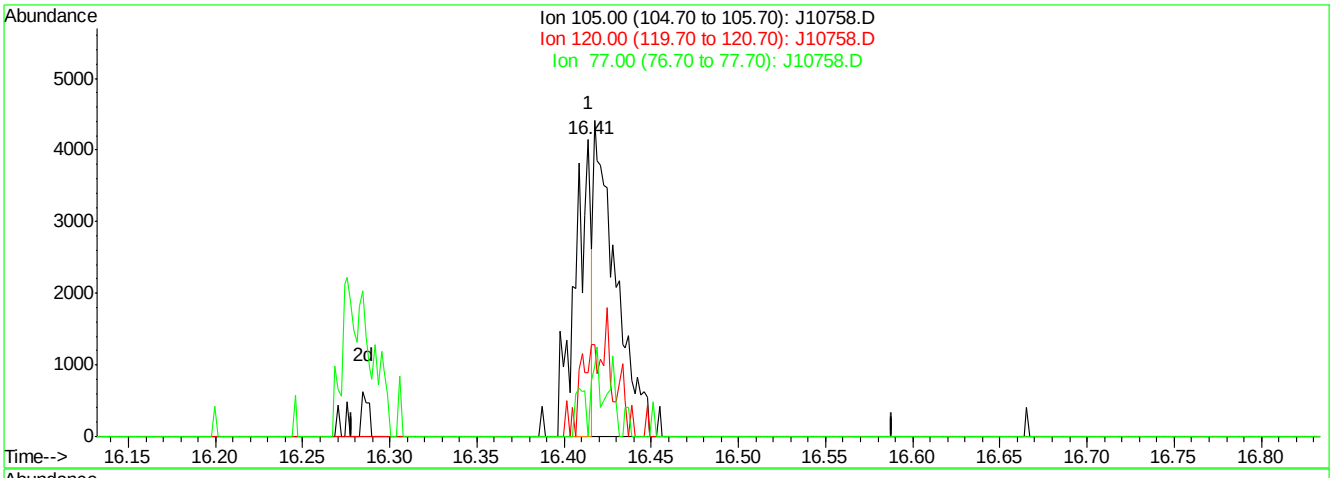
J10758.D J062507T.M Mon Jun 25 11:52:13 2007

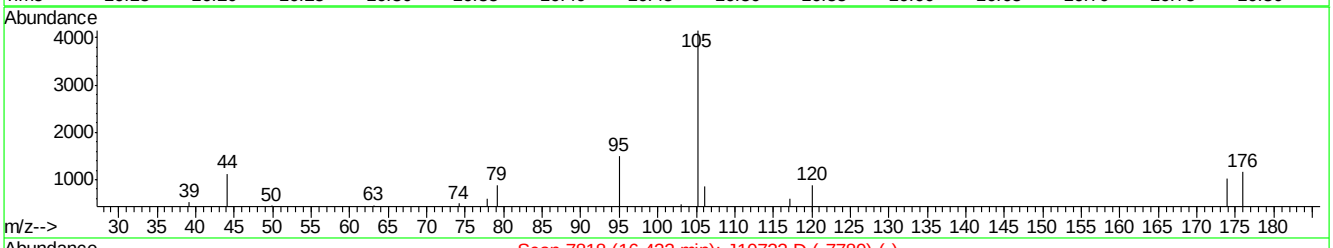
Quantitation Report (Qedit)

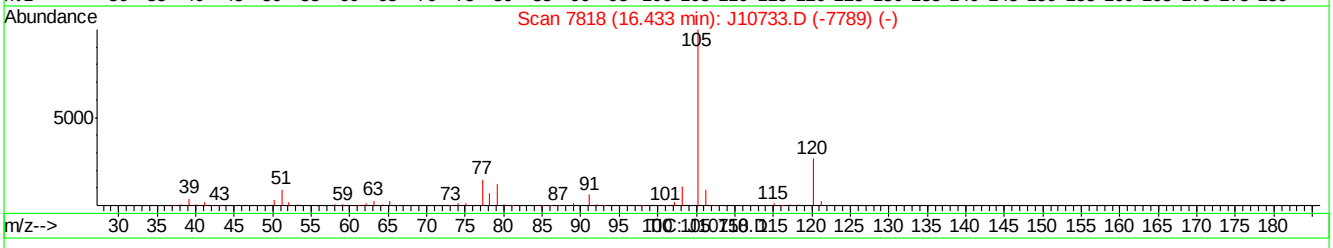
Data File : C:\MSDChem\1\data\J10758.D Vial: 2
Acq On : 25 Jun 2007 11:05 am Operator: danat
Sample : ic557-0.2 (m141) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 25 11:48:28 2007 Results File: J062507T.RES

Method : C:\MSDCHEM\1\METHODS\J062507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Mon Jun 25 10:46:18 2007
Response via : Multiple Level Calibration







(63) ISOPROPYLBENZENE (m)

16.41min 0.02PPBV

response 2618

Ion	Exp%	Act%
105.00	100	100
120.00	26.40	67.19#
77.00	15.20	41.14#
0.00	0.00	0.00

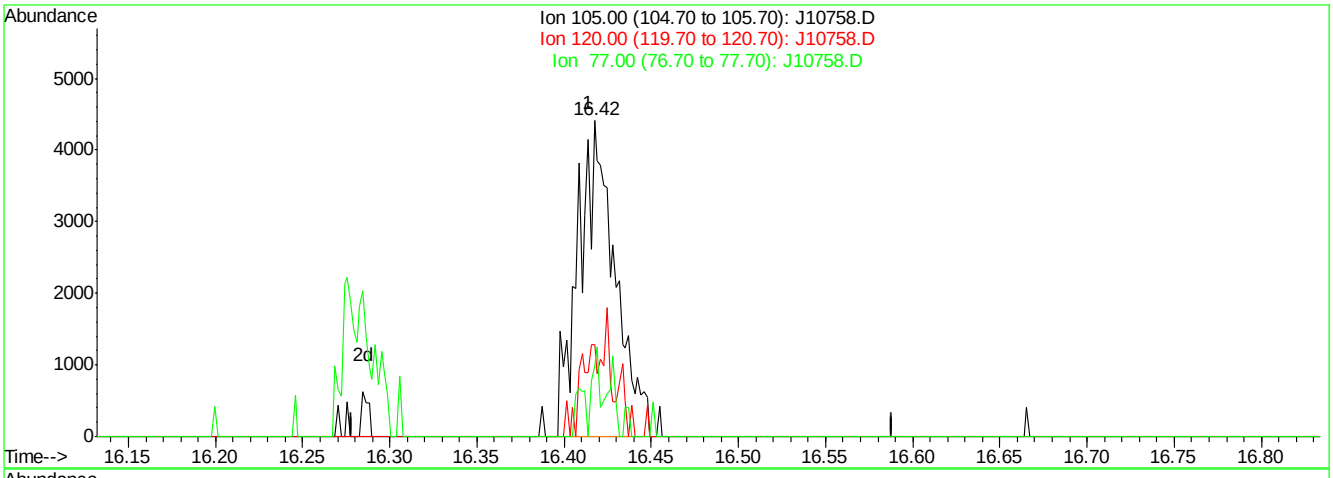
J10758.D J062507T.M Mon Jun 25 11:52:30 2007

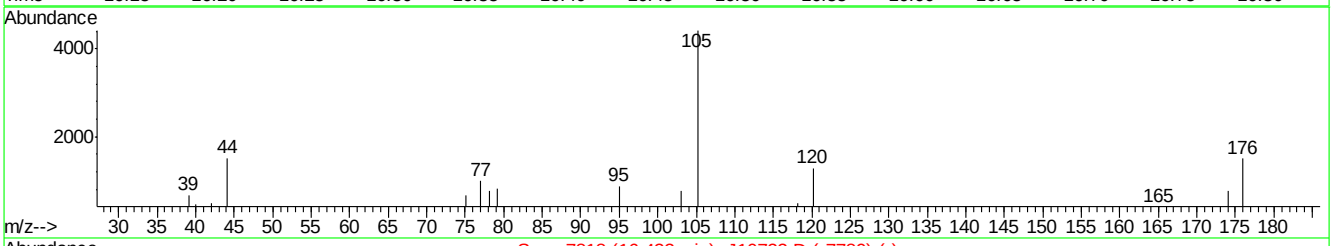
Quantitation Report (Qedit)

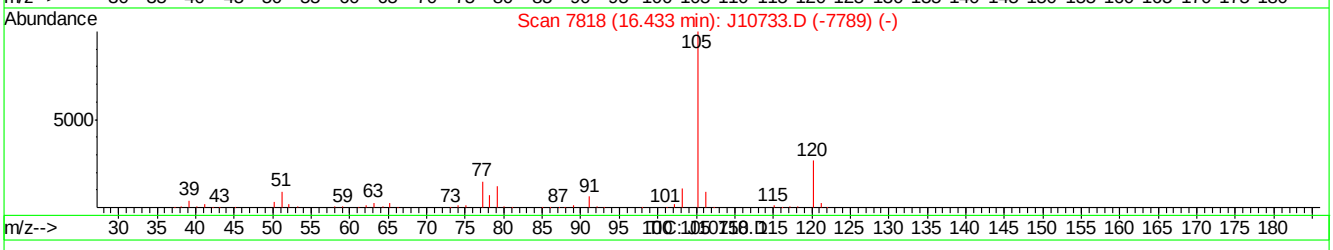
Data File : C:\MSDChem\1\data\J10758.D Vial: 2
Acq On : 25 Jun 2007 11:05 am Operator: danat
Sample : ic557-0.2 (m141) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 25 11:48:28 2007 Results File: J062507T.RES

Method : C:\MSDCHEM\1\METHODS\J062507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Mon Jun 25 10:46:18 2007
Response via : Multiple Level Calibration







(63) ISOPROPYLBENZENE (m)

16.42min 0.04PPBV m

response 6411

Ion	Exp%	Act%
105.00	100	100
120.00	26.40	27.44
77.00	15.20	16.80
0.00	0.00	0.00

J10758.D J062507T.M Mon Jun 25 11:52:36 2007

Manual Integrations APPROVED (compounds with "m" flag)
Philip Bassignani 06/27/07 12:10

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10760.D
Acq On : 25 Jun 2007 12:42 pm
Operator : danat
Sample : ic557-40 (m172)
Misc : MS13762, MSJ557,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 25 13:10:57 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Jun 25 10:46:18 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.64	128	426129	10.00	PPBV	0.01
35) 1,4-DIFLUOROBENZENE	10.47	114	1871381	10.00	PPBV	0.01
49) CHLOROBENZENE-D5	14.70	117	1859953	10.00	PPBV	0.02

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.32	95	679558	5.88	PPBV	0.02

Spiked Amount 5.000 Range 51 - 142 Recovery = 117.60%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.07	85	5739971	42.20	PPBV	99
3) PROPYLENE	4.00	41	955600	47.72	PPBV	93
4) FREON 114	4.33	85	4966854	42.19	PPBV	97
5) CHLOROMETHANE	4.24	50	1220597	44.04	PPBV	99
6) VINYL CHLORIDE	4.45	62	1464351	45.11	PPBV	98
7) 1,3-BUTADIENE	4.59	39	1162057	47.30	PPBV	94
8) BROMOMETHANE	4.86	94	1640422	40.56	PPBV	99
9) CHLOROETHANE	5.03	64	698034	44.59	PPBV	98
10) TRICHLOROFLUOROMETHANE	5.80	101	5977808	40.70	PPBV	99
11) ISOPROPYL ALCOHOL	6.03	45	1811520	37.99	PPBV	97
12) ACETONE	5.66	43	1904223	35.22	PPBV	97
13) PENTANE	6.14	42	1286210	42.48	PPBV	98
14) 1,1-DICHLOROETHYLENE	6.43	96	1672764	40.98	PPBV	92
15) CARBON DISULFIDE	6.85	76	4604238	39.80	PPBV	98
16) ETHANOL	5.23	45	304782	36.89	PPBV	58
17) BROMOETHENE	5.39	106	1704216	41.98	PPBV	99
18) METHYLENE CHLORIDE	6.55	84	1497231	27.58	PPBV	93
19) 3-CHLOROPROPENE	6.67	39	1661734	49.78	PPBV #	23
20) FREON 113	6.80	151	3767248	39.44	PPBV	95
21) TRANS-1,2-DICHLOROETHYLENE	7.46	96	1665867	41.18	PPBV	96
22) TERTIARY BUTYL ALCOHOL	6.65	59	2401432m	44.15	PPBV	
23) METHYL TERTIARY BUTYL ETHE	7.74	73	3541877	40.52	PPBV	97
24) TETRAHYDROFURAN	9.18	42	1109159	40.85	PPBV	94
25) HEXANE	8.64	57	1799281	36.17	PPBV	98
26) VINYL ACETATE	7.82	43	2302424	45.10	PPBV	98
27) 1,1-DICHLOROETHANE	7.67	63	2807935	40.98	PPBV	99
28) METHYL ETHYL KETONE	8.10	43	2086384	38.64	PPBV	99
29) cis-1,2-DICHLOROETHYLENE	8.47	96	1664593	41.24	PPBV	98
30) ETHYL ACETATE	8.72	43	2333918	40.76	PPBV	99
31) CHLOROFORM	8.77	83	3866989	38.83	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.70	97	4719110	41.73	PPBV	99
33) CARBON TETRACHLORIDE	10.27	117	5697392	41.34	PPBV	99
34) 1,2-DICHLOROETHANE	9.48	62	2374213	40.99	PPBV	100
36) BENZENE	10.14	78	4200205	41.45	PPBV	99
37) CYCLOHEXANE	10.38	84	1948520	39.92	PPBV	97
38) TRICHLOROETHYLENE	11.14	95	2235741	42.70	PPBV	99
39) 1,2-DICHLOROPROPANE	10.93	63	1414430	43.39	PPBV	99
40) BROMODICHLOROMETHANE	11.12	83	3891184	42.50	PPBV	100
41) 2,2,4-TRIMETHYLPENTANE	11.14	57	6933394	44.65	PPBV	99
42) 1,4-DIOXANE	11.20	88	746308	34.04	PPBV	91
43) HEPTANE	11.38	43	2196584	44.45	PPBV	98

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10760.D
Acq On : 25 Jun 2007 12:42 pm
Operator : danat
Sample : ic557-40 (m172)
Misc : MS13762, MSJ557,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 25 13:10:57 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Jun 25 10:46:18 2007
Response via : Initial Calibration

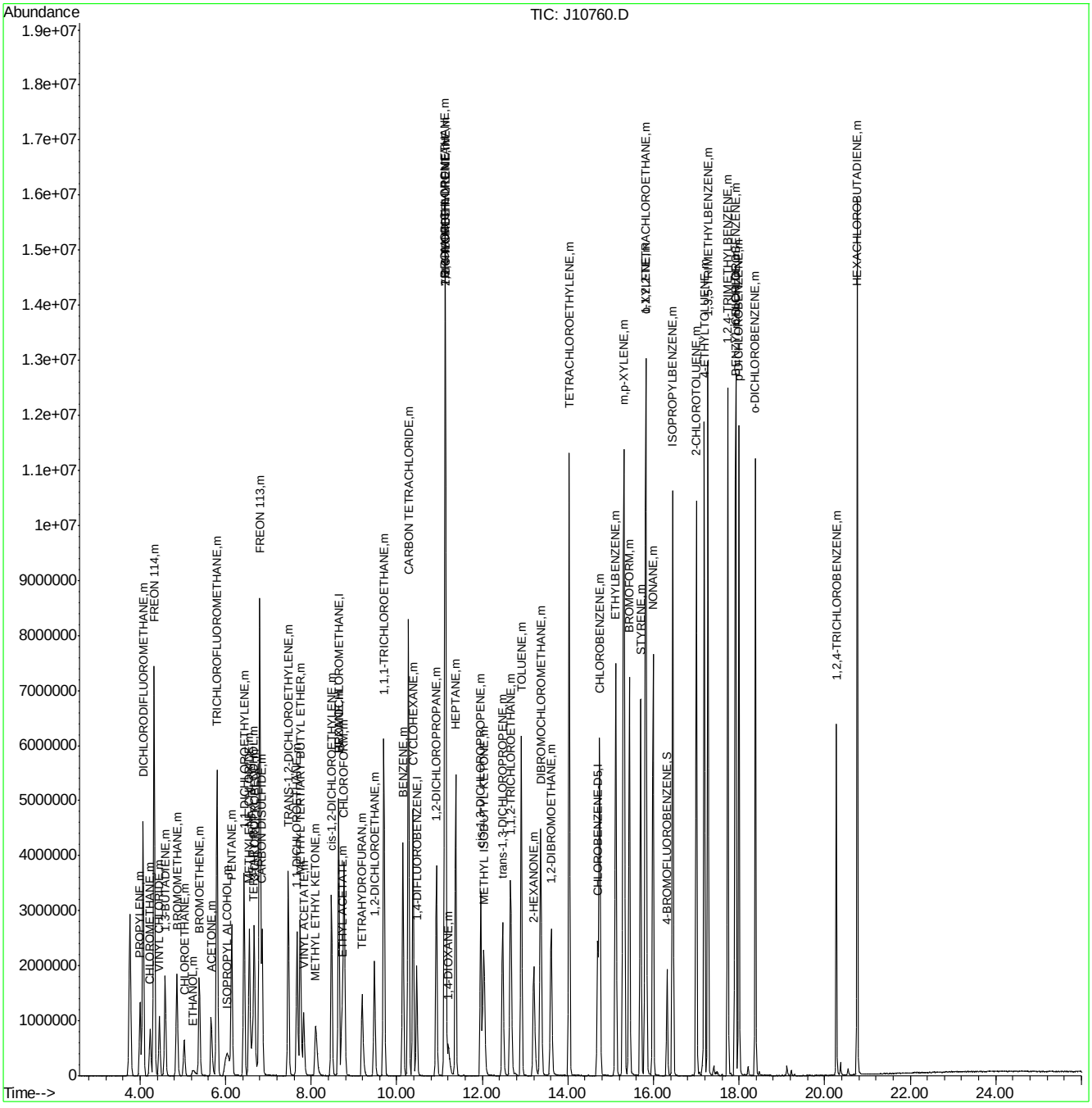
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.03	43	2669104	45.25 PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.96	75	2235612	44.72 PPBV	97
46) TOLUENE	12.91	92	3175409	48.29 PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.47	75	2268217	47.63 PPBV #	76
48) 1,1,2-TRICHLOROETHANE	12.66	83	1472943	43.09 PPBV	97
50) 2-HEXANONE	13.20	43	2332082	42.00 PPBV	99
51) TETRACHLOROETHYLENE	14.03	164	2890901	39.09 PPBV	99
52) DIBROMOCHLOROMETHANE	13.36	129	3987536	37.67 PPBV	99
53) 1,2-DIBROMOETHANE	13.61	107	2895955	40.29 PPBV #	6
54) CHLOROBENZENE	14.74	112	4522404	40.79 PPBV	99
55) ETHYLBENZENE	15.12	91	7044248	47.82 PPBV	100
56) m,p-XYLENE	15.31	106	5905076	100.96 PPBV	96
57) o-XYLENE	15.81	106	3011361	51.64 PPBV	98
58) STYRENE	15.70	104	4310775	58.26 PPBV	99
59) NONANE	15.99	43	3096489	55.12 PPBV	99
60) BROMOFORM	15.44	173	4408132	42.63 PPBV #	40
62) 1,1,2,2-TETRACHLOROETHANE	15.83	83	3780908	42.27 PPBV	99
63) ISOPROPYLBENZENE	16.45	105	8599144	45.89 PPBV	99
64) 2-CHLOROTOLUENE	17.00	91	6102056	52.38 PPBV	99
65) 4-ETHYLTOLUENE	17.19	105	8351961	63.23 PPBV #	99
66) 1,3,5-TRIMETHYLBENZENE	17.27	105	7391045	53.25 PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.74	105	6983401	65.68 PPBV	99
68) m-DICHLOROBENZENE	17.92	146	5039073	59.60 PPBV	99
69) BENZYL CHLORIDE	17.90	91	4193954	68.65 PPBV	99
70) p-DICHLOROBENZENE	18.00	146	4795481	64.33 PPBV	99
71) o-DICHLOROBENZENE	18.38	146	4426002	57.56 PPBV	99
72) HEXACHLOROBUTADIENE	20.76	225	2729766	32.86 PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.27	180	1696482	72.33 PPBV	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10760.D
Acq On : 25 Jun 2007 12:42 pm
Operator : danat
Sample : ic557-40 (m172)
Misc : MS13762, MSJ557,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 25 13:10:57 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Jun 25 10:46:18 2007
Response via : Initial Calibration



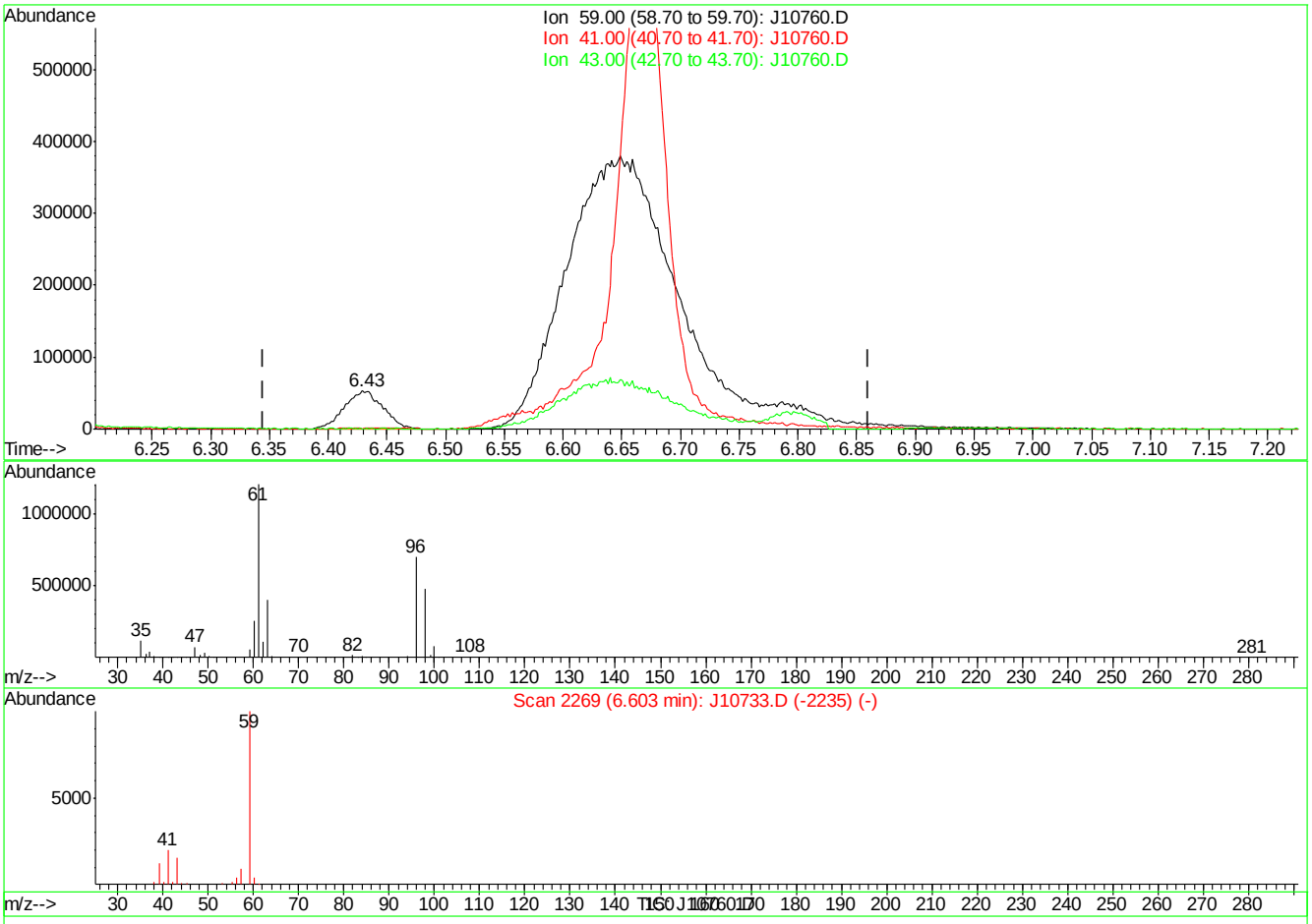
ACCUTEST Laboratories M67846

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10760.D Vial: 3
Acq On : 25 Jun 2007 12:42 pm Operator: danat
Sample : ic557-40 (m172) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 25 13:09:34 2007 Results File: J062507T.RES

Method : C:\MSDCHEM\1\METHODS\J062507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Mon Jun 25 10:46:18 2007
Response via : Multiple Level Calibration



(22) TERTIARY BUTYL ALCOHOL (m)

6.43min 2.24PPBV

response 121781

Ion	Exp%	Act%
59.00	100	100
41.00	17.20	0.00
43.00	16.40	0.00
0.00	0.00	0.00

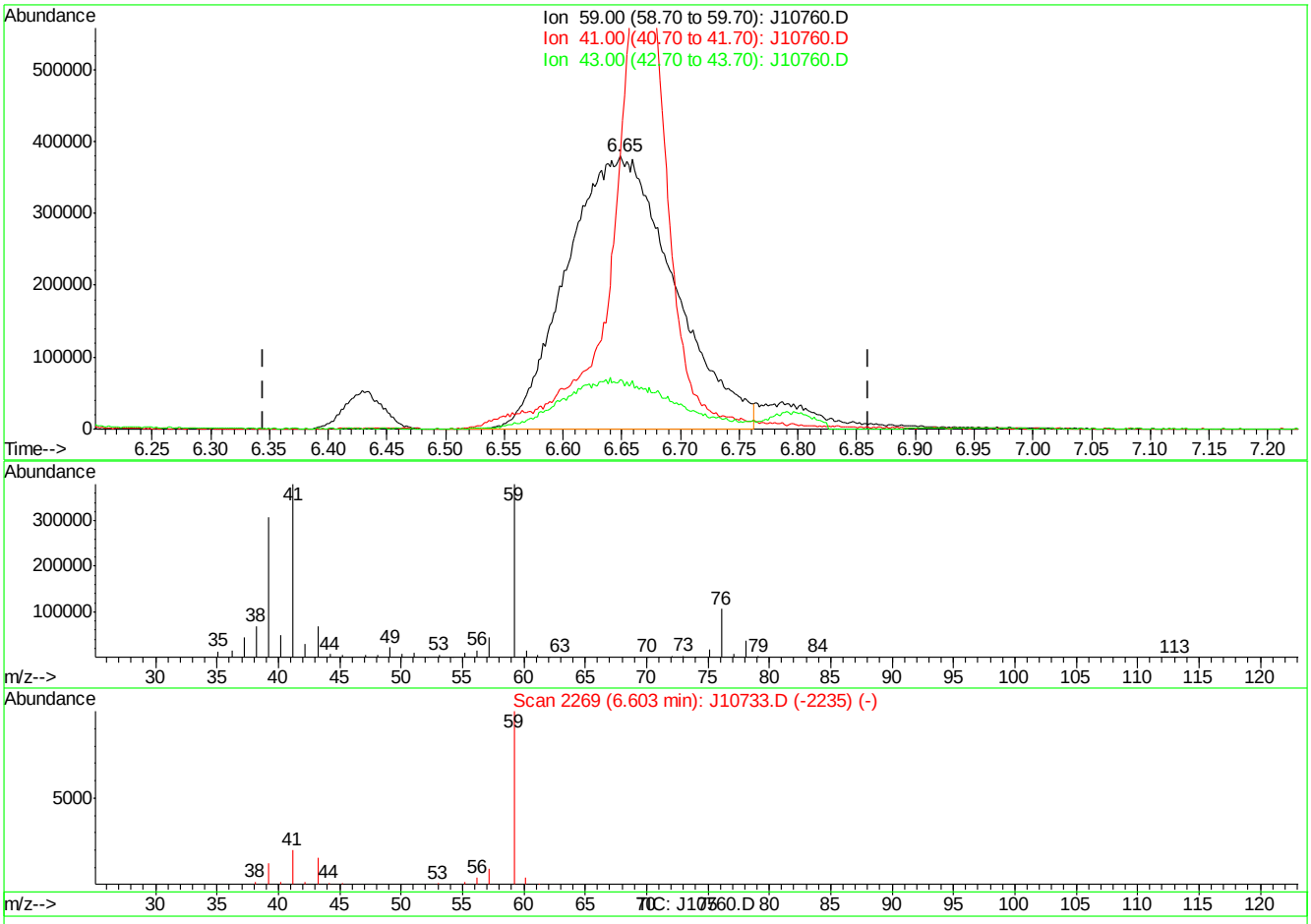
J10760.D J062507T.M Mon Jun 25 13:10:10 2007

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10760.D Vial: 3
Acq On : 25 Jun 2007 12:42 pm Operator: danat
Sample : ic557-40 (m172) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 25 13:09:34 2007 Results File: J062507T.RES

Method : C:\MSDCHEM\1\METHODS\J062507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Mon Jun 25 10:46:18 2007
Response via : Multiple Level Calibration



(22) TERTIARY BUTYL ALCOHOL (m)

6.65min 44.15PPBV m

response 2401432

Ion	Exp%	Act%
59.00	100	100
41.00	17.20	0.00
43.00	16.40	0.00
0.00	0.00	0.00

J10760.D J062507T.M Mon Jun 25 13:10:18 2007

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10761.D
Acq On : 25 Jun 2007 1:59 pm
Operator : danat
Sample : ic557-20 (m172)
Misc : MS13762, MSJ557,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 25 14:27:27 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Jun 25 10:46:18 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.63	128	454420	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.45	114	2027697	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.68	117	1910580	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.31	95	662038	5.58	PPBV	0.00
Spiked Amount 5.000	Range 51 - 142		Recovery = 111.60%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.07	85	2927277	20.18	PPBV	100
3) PROPYLENE	4.00	41	485428	22.73	PPBV	93
4) FREON 114	4.33	85	2729549	21.74	PPBV	96
5) CHLOROMETHANE	4.23	50	661157	22.37	PPBV	98
6) VINYL CHLORIDE	4.45	62	805928	23.28	PPBV	98
7) 1,3-BUTADIENE	4.58	39	621452	23.72	PPBV	97
8) BROMOMETHANE	4.86	94	936595	21.71	PPBV	99
9) CHLOROETHANE	5.03	64	385888	23.11	PPBV	98
10) TRICHLOROFLUOROMETHANE	5.79	101	3182836	20.32	PPBV	99
11) ISOPROPYL ALCOHOL	6.00	45	1053347	20.71	PPBV	95
12) ACETONE	5.65	43	1038354	18.01	PPBV	98
13) PENTANE	6.13	42	691724	21.43	PPBV	99
14) 1,1-DICHLOROETHYLENE	6.42	96	928608	21.33	PPBV	95
15) CARBON DISULFIDE	6.85	76	2511530	20.36	PPBV	99
16) ETHANOL	5.24	45	172527	19.58	PPBV #	46
17) BROMOETHENE	5.38	106	956978	22.10	PPBV	100
18) METHYLENE CHLORIDE	6.55	84	804777	13.90	PPBV	96
19) 3-CHLOROPROPENE	6.66	39	716147	20.12	PPBV	99
20) FREON 113	6.79	151	2023707	19.87	PPBV	95
21) TRANS-1,2-DICHLOROETHYLENE	7.46	96	869836	20.16	PPBV	97
22) TERTIARY BUTYL ALCOHOL	6.60	59	1384528	23.87	PPBV	86
23) METHYL TERTIARY BUTYL ETHE	7.74	73	1995957	21.41	PPBV	98
24) TETRAHYDROFURAN	9.18	42	596364	20.60	PPBV	95
25) HEXANE	8.64	57	948254	17.88	PPBV	99
26) VINYL ACETATE	7.81	43	1266802	23.27	PPBV	99
27) 1,1-DICHLOROETHANE	7.66	63	1448874	19.83	PPBV	99
28) METHYL ETHYL KETONE	8.09	43	1139241	19.79	PPBV	99
29) cis-1,2-DICHLOROETHYLENE	8.47	96	826762	19.21	PPBV	97
30) ETHYL ACETATE	8.70	43	1244197	20.37	PPBV	99
31) CHLOROFORM	8.76	83	1951286	18.37	PPBV	100
32) 1,1,1-TRICHLOROETHANE	9.69	97	2275823	18.87	PPBV	99
33) CARBON TETRACHLORIDE	10.26	117	2866212	19.50	PPBV	99
34) 1,2-DICHLOROETHANE	9.47	62	1217727	19.72	PPBV	99
36) BENZENE	10.13	78	2122452	19.33	PPBV	99
37) CYCLOHEXANE	10.38	84	1013712	19.17	PPBV	98
38) TRICHLOROETHYLENE	11.13	95	1098311	19.36	PPBV	100
39) 1,2-DICHLOROPROPANE	10.91	63	687089	19.45	PPBV	98
40) BROMODICHLOROMETHANE	11.10	83	1920622	19.36	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.13	57	3324777	19.76	PPBV	99
42) 1,4-DIOXANE	11.18	88	389131	16.38	PPBV	95
43) HEPTANE	11.37	43	1067203	19.93	PPBV	97

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10761.D
Acq On : 25 Jun 2007 1:59 pm
Operator : danat
Sample : ic557-20 (m172)
Misc : MS13762, MSJ557,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 25 14:27:27 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Jun 25 10:46:18 2007
Response via : Initial Calibration

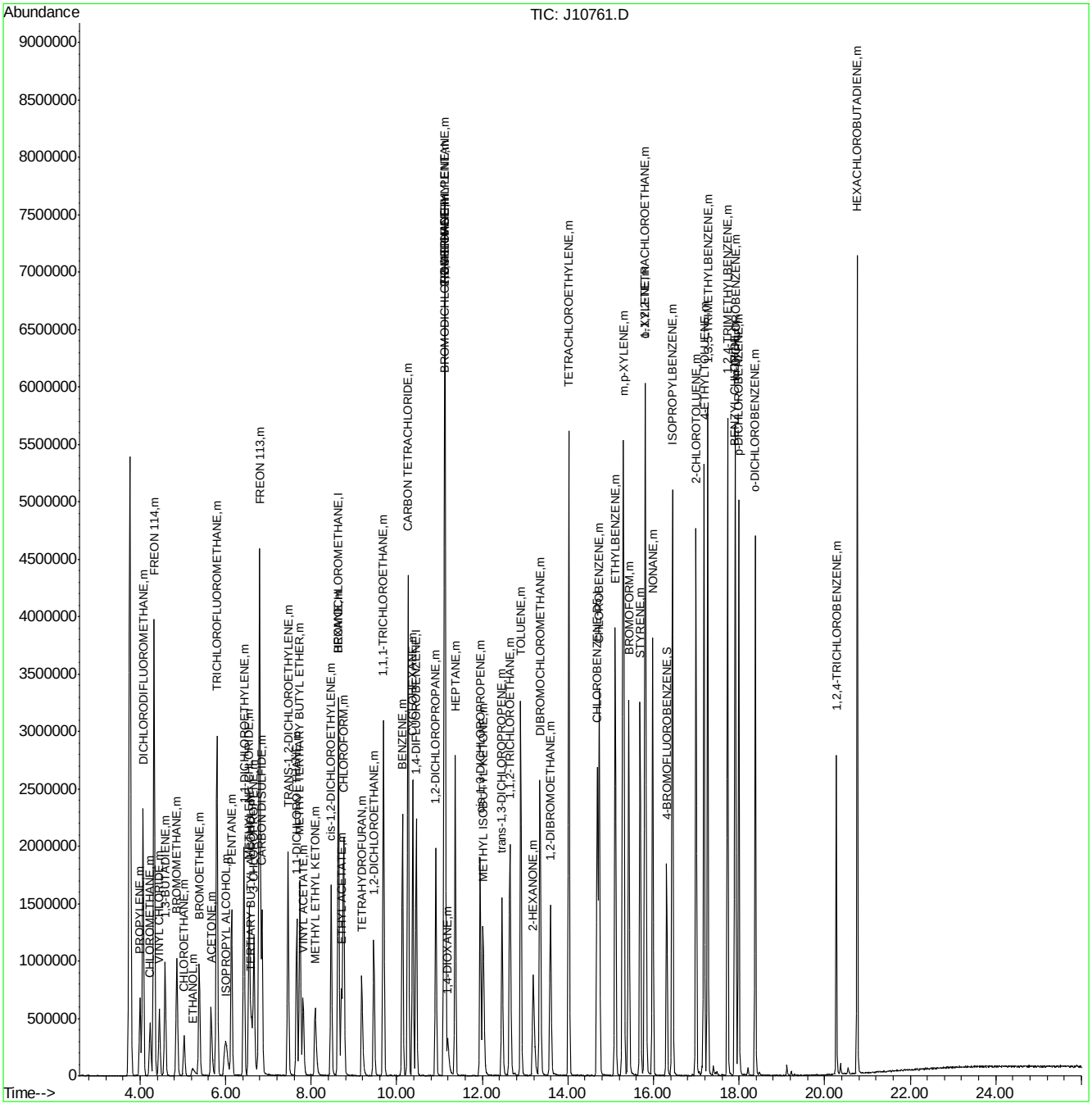
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.01	43	1328709	20.79	PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.95	75	1134927	20.95	PPBV	99
46) TOLUENE	12.90	92	1555485	21.83	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.46	75	1116511	21.64	PPBV	100
48) 1,1,2-TRICHLOROETHANE	12.64	83	735367	19.85	PPBV	98
50) 2-HEXANONE	13.19	43	1101114	19.31	PPBV	98
51) TETRACHLOROETHYLENE	14.02	164	1376071	18.11	PPBV	99
52) DIBROMOCHLOROMETHANE	13.35	129	2009603	18.48	PPBV	100
53) 1,2-DIBROMOETHANE	13.59	107	1441605	19.53	PPBV	100
54) CHLOROBENZENE	14.73	112	2241251	19.68	PPBV	98
55) ETHYLBENZENE	15.10	91	3467143	22.91	PPBV	100
56) m,p-XYLENE	15.30	106	2845107	47.36	PPBV	93
57) o-XYLENE	15.80	106	1426570	23.82	PPBV	100
58) STYRENE	15.69	104	2007810	26.42	PPBV	99
59) NONANE	15.98	43	1460417	25.31	PPBV	99
60) BROMOFORM	15.42	173	2078269	19.57	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.81	83	1775445	19.32	PPBV	99
63) ISOPROPYLBENZENE	16.44	105	4107649	21.34	PPBV	100
64) 2-CHLOROTOLUENE	16.99	91	2835921	23.70	PPBV	99
65) 4-ETHYLTOLUENE	17.18	105	3806406	28.05	PPBV	98
66) 1,3,5-TRIMETHYLBENZENE	17.27	105	3387077	23.76	PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.73	105	3099470	28.38	PPBV	99
68) m-DICHLOROBENZENE	17.92	146	2170042	24.99	PPBV	99
69) BENZYL CHLORIDE	17.90	91	1751353	27.91	PPBV	99
70) p-DICHLOROBENZENE	17.99	146	2074835	27.10	PPBV	100
71) o-DICHLOROBENZENE	18.38	146	1882975	23.84	PPBV	99
72) HEXACHLOROBUTADIENE	20.76	225	1234888	14.47	PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.27	180	751691	31.20	PPBV	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10761.D
Acq On : 25 Jun 2007 1:59 pm
Operator : danat
Sample : ic557-20 (m172)
Misc : MS13762, MSJ557,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 25 14:27:27 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Jun 25 10:46:18 2007
Response via : Initial Calibration



ACCUTEST Laboratories
M67846

Manual Integrations APPROVED (compounds with "m" flag)
Philip Bassignani 06/27/07 12:10

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10762.D
Acq On : 25 Jun 2007 2:46 pm
Operator : danat
Sample : icc557-10 (m172)
Misc : MS13762, MSJ557,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 25 15:23:25 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Jun 25 14:28:31 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.63	128	435479	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.45	114	1969866	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.67	117	1764652m	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.30	95	583931	5.34	PPBV	0.00
Spiked Amount 5.000	Range 51 - 142		Recovery = 106.80%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.07	85	1350686	8.27	PPBV	100
3) PROPYLENE	4.00	41	220095	9.48	PPBV	93
4) FREON 114	4.32	85	1173284	8.28	PPBV	96
5) CHLOROMETHANE	4.23	50	287355	8.12	PPBV	96
6) VINYL CHLORIDE	4.45	62	345667	8.64	PPBV	98
7) 1,3-BUTADIENE	4.58	39	258505	9.32	PPBV	99
8) BROMOMETHANE	4.86	94	404909	9.08	PPBV	99
9) CHLOROETHANE	5.03	64	167579	9.27	PPBV	98
10) TRICHLOROFLUOROMETHANE	5.79	101	1401103	8.20	PPBV	99
11) ISOPROPYL ALCOHOL	5.98	45	463083	8.76	PPBV	99
12) ACETONE	5.66	43	444757	4.08	PPBV	99
13) PENTANE	6.13	42	301926	6.60	PPBV	100
14) 1,1-DICHLOROETHYLENE	6.42	96	406910	9.56	PPBV	94
15) CARBON DISULFIDE	6.85	76	1127717	8.52	PPBV	99
16) ETHANOL	5.23	45	73337	7.06	PPBV #	42
17) BROMOETHENE	5.38	106	414946	9.65	PPBV	99
18) METHYLENE CHLORIDE	6.55	84	373389	3.98	PPBV	95
19) 3-CHLOROPROPENE	6.66	39	285284	8.15	PPBV	97
20) FREON 113	6.79	151	871991	8.09	PPBV	93
21) TRANS-1,2-DICHLOROETHYLENE	7.46	96	386503	9.37	PPBV	97
22) TERTIARY BUTYL ALCOHOL	6.57	59	624283	10.78	PPBV	93
23) METHYL TERTIARY BUTYL ETHE	7.73	73	852899	10.11	PPBV	98
24) TETRAHYDROFURAN	9.18	42	249443	9.30	PPBV	96
25) HEXANE	8.63	57	408666	7.43	PPBV	97
26) VINYL ACETATE	7.81	43	503064	8.18	PPBV	98
27) 1,1-DICHLOROETHANE	7.66	63	608748	8.39	PPBV	99
28) METHYL ETHYL KETONE	8.08	43	483306	8.77	PPBV	97
29) cis-1,2-DICHLOROETHYLENE	8.46	96	354210	8.87	PPBV	98
30) ETHYL ACETATE	8.70	43	520452	9.21	PPBV	94
31) CHLOROFORM	8.75	83	841439	8.09	PPBV	100
32) 1,1,1-TRICHLOROETHANE	9.68	97	994473	8.38	PPBV	99
33) CARBON TETRACHLORIDE	10.26	117	1282101	8.72	PPBV	100
34) 1,2-DICHLOROETHANE	9.45	62	499568	8.46	PPBV	99
36) BENZENE	10.12	78	875102	9.27	PPBV	99
37) CYCLOHEXANE	10.37	84	442296	9.26	PPBV	96
38) TRICHLOROETHYLENE	11.12	95	474105	8.98	PPBV	98
39) 1,2-DICHLOROPROPANE	10.90	63	286039	8.83	PPBV	99
40) BROMODICHLOROMETHANE	11.09	83	805575	8.28	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.12	57	1388095	9.93	PPBV	100
42) 1,4-DIOXANE	11.18	88	159421	8.50	PPBV	94
43) HEPTANE	11.36	43	447455	10.32	PPBV	97

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10762.D
Acq On : 25 Jun 2007 2:46 pm
Operator : danat
Sample : icc557-10 (m172)
Misc : MS13762, MSJ557,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 25 15:23:25 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Jun 25 14:28:31 2007
Response via : Initial Calibration

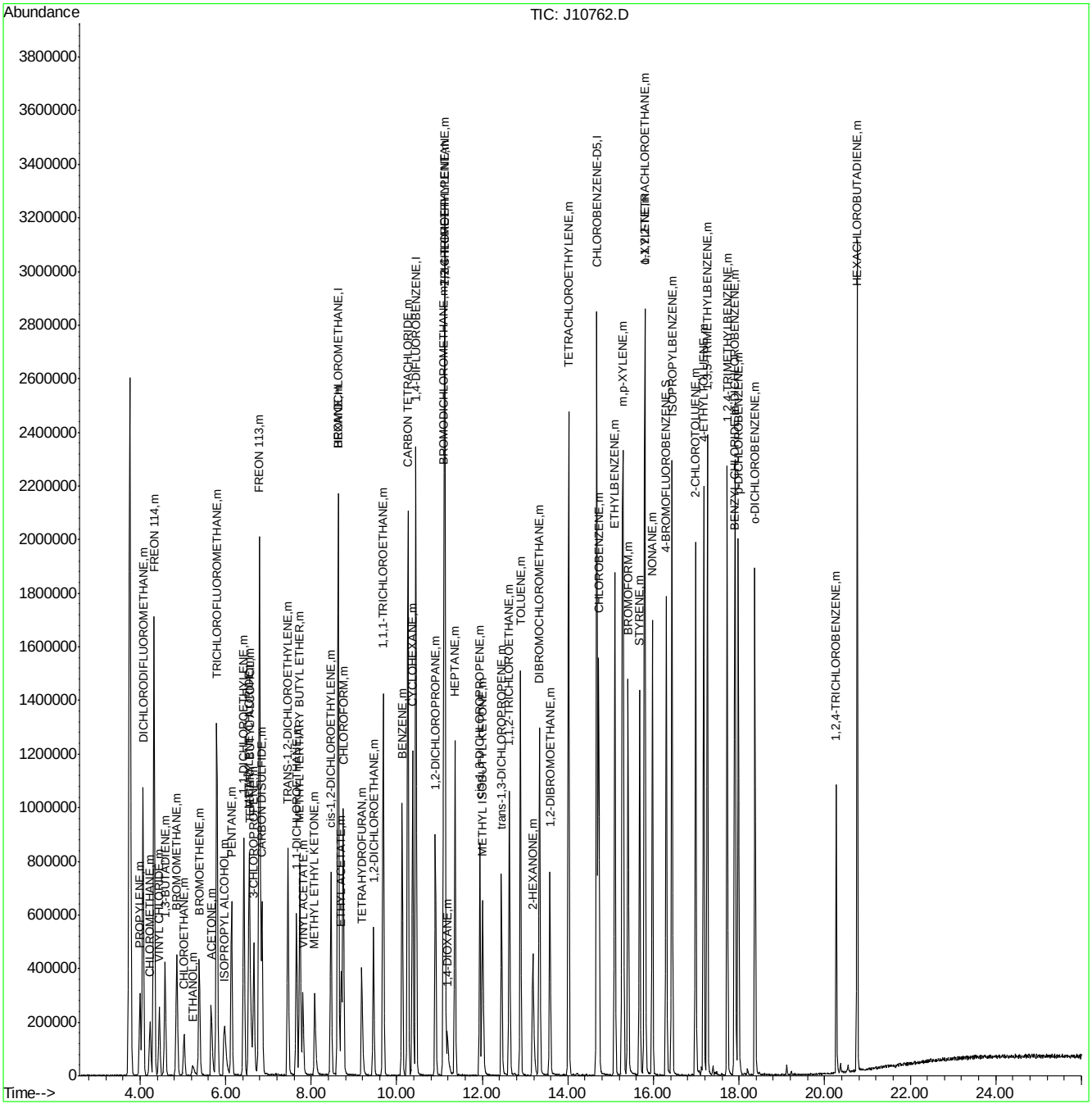
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.00	43	539564	8.93	PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.94	75	453130	10.63	PPBV	99
46) TOLUENE	12.89	92	629342	10.15	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.45	75	434192	10.90	PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.63	83	309691	8.77	PPBV	97
50) 2-HEXANONE	13.18	43	450763	9.89	PPBV	97
51) TETRACHLOROETHYLENE	14.01	164	560515	9.26	PPBV	99
52) DIBROMOCHLOROMETHANE	13.33	129	826906	9.12	PPBV	100
53) 1,2-DIBROMOETHANE	13.58	107	580229	9.75	PPBV	99
54) CHLOROBENZENE	14.72	112	916519	9.67	PPBV	97
55) ETHYLBENZENE	15.10	91	1404295	12.30	PPBV	99
56) m,p-XYLENE	15.29	106	1155267	24.70	PPBV	95
57) o-XYLENE	15.79	106	579875	12.87	PPBV	100
58) STYRENE	15.67	104	742923	12.75	PPBV	99
59) NONANE	15.98	43	587305	10.56	PPBV	98
60) BROMOFORM	15.40	173	821936	9.39	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.80	83	708231	9.47	PPBV	98
63) ISOPROPYLBENZENE	16.43	105	1632690	12.47	PPBV	99
64) 2-CHLOROTOLUENE	16.99	91	1106798	12.37	PPBV	99
65) 4-ETHYLTOLUENE	17.17	105	1373761	12.34	PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.26	105	1296793	12.68	PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.72	105	1176217	12.92	PPBV	100
68) m-DICHLOROBENZENE	17.91	146	852323	11.72	PPBV	99
69) BENZYL CHLORIDE	17.89	91	682120	10.60	PPBV	99
70) p-DICHLOROBENZENE	17.99	146	824827	12.60	PPBV	99
71) o-DICHLOROBENZENE	18.37	146	740112	11.41	PPBV	99
72) HEXACHLOROBUTADIENE	20.76	225	521974	9.32	PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.27	180	292550	10.01	PPBV	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10762.D
Acq On : 25 Jun 2007 2:46 pm
Operator : danat
Sample : icc557-10 (m172)
Misc : MS13762, MSJ557,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 25 15:23:25 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Jun 25 14:28:31 2007
Response via : Initial Calibration

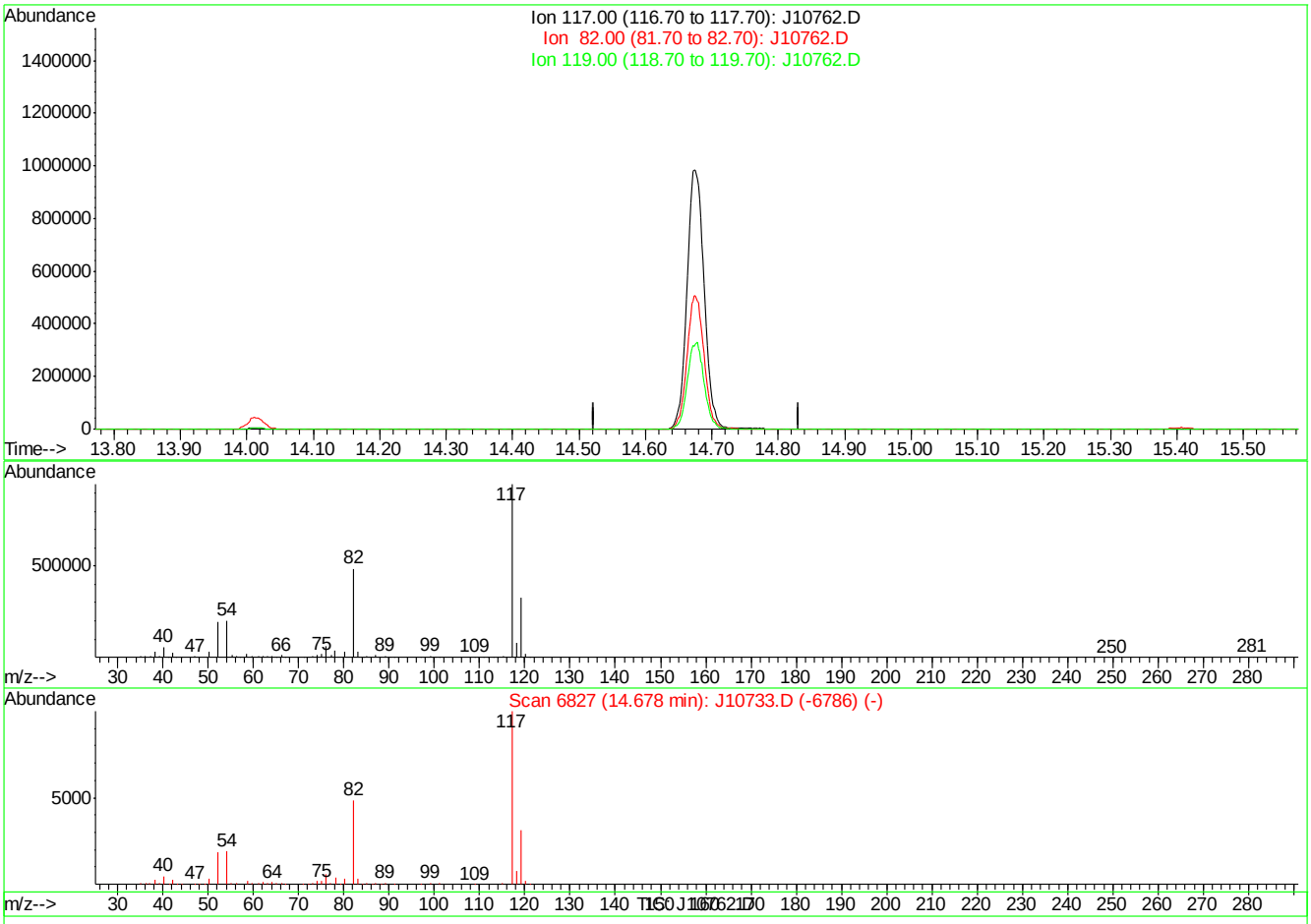


Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10762.D Vial: 3
Acq On : 25 Jun 2007 2:46 pm Operator: danat
Sample : icc557-10 (m172) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 25 15:22:12 2007 Results File: J062507T.RES

Method : C:\MSDCHEM\1\METHODS\J062507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Mon Jun 25 14:28:31 2007
Response via : Multiple Level Calibration



(49) CHLOROBENZENE-D5 (I)

14.68min 0.00PPBV

response 0

Ion	Exp%	Act%
117.00	100	0.00
82.00	0.00	0.00
119.00	0.00	0.00
0.00	0.00	0.00

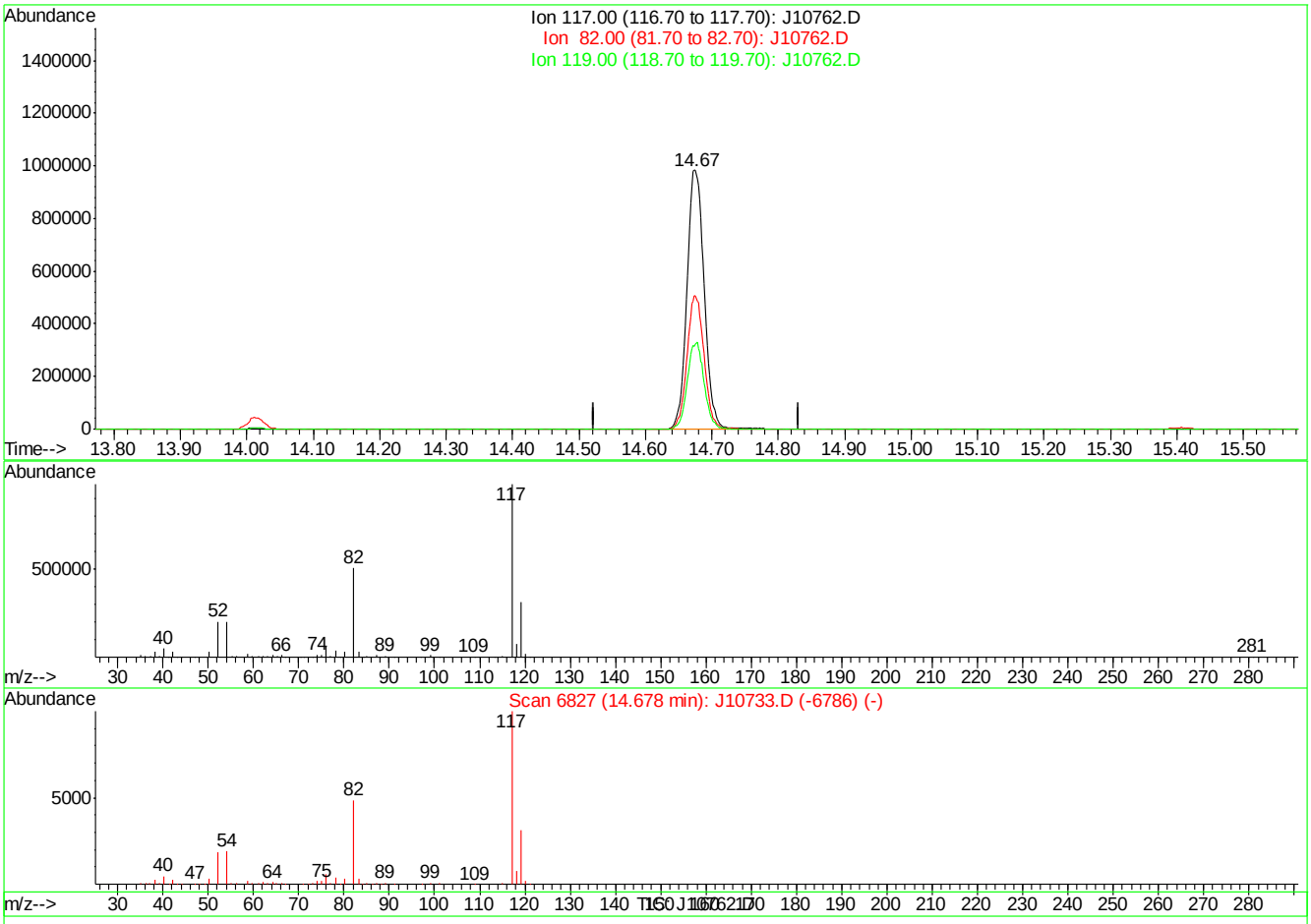
J10762.D J062507T.M Mon Jun 25 15:23:01 2007

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10762.D Vial: 3
Acq On : 25 Jun 2007 2:46 pm Operator: danat
Sample : icc557-10 (m172) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 25 15:22:12 2007 Results File: J062507T.RES

Method : C:\MSDCHEM\1\METHODS\J062507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Mon Jun 25 14:28:31 2007
Response via : Multiple Level Calibration



(49) CHLOROBENZENE-D5 (I)

14.67min 10.00PPBV m

response 1764652

Ion	Exp%	Act%
117.00	100	100
82.00	0.00	0.00
119.00	0.00	0.00
0.00	0.00	0.00

J10762.D J062507T.M Mon Jun 25 15:23:09 2007

Manual Integrations APPROVED (compounds with "m" flag)
Philip Bassignani 06/27/07 12:10

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10763.D
Acq On : 25 Jun 2007 3:34 pm
Operator : danat
Sample : ic557-5 (m172)
Misc : MS13762, MSJ557,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 25 16:23:30 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Jun 25 15:23:46 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.63	128	438436	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.44	114	2029733	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.67	117	1791020m	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.29	95	561280	4.99	PPBV	0.00
Spiked Amount 5.000	Range 51 - 142		Recovery = 99.80%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.07	85	714628	4.50	PPBV	99
3) PROPYLENE	4.00	41	109425	4.73	PPBV	88
4) FREON 114	4.33	85	605475	4.40	PPBV	99
5) CHLOROMETHANE	4.24	50	149527	4.36	PPBV	89
6) VINYL CHLORIDE	4.46	62	175522	4.48	PPBV	98
7) 1,3-BUTADIENE	4.58	39	130541	4.74	PPBV	96
8) BROMOMETHANE	4.87	94	201359	4.57	PPBV	99
9) CHLOROETHANE	5.04	64	80518	4.49	PPBV	99
10) TRICHLOROFLUOROMETHANE	5.80	101	720999	4.35	PPBV	99
11) ISOPROPYL ALCOHOL	5.97	45	183646	3.56	PPBV	86
12) ACETONE	5.68	43	208176	2.15	PPBV	98
13) PENTANE	6.14	42	152624	3.56	PPBV	98
14) 1,1-DICHLOROETHYLENE	6.43	96	195225	4.60	PPBV	99
15) CARBON DISULFIDE	6.85	76	570240	4.41	PPBV	99
16) ETHANOL	5.26	45	29722	3.07	PPBV #	55
17) BROMOETHENE	5.39	106	199831	4.65	PPBV	100
18) METHYLENE CHLORIDE	6.55	84	188528	2.27	PPBV	99
19) 3-CHLOROPROPENE	6.66	39	139750	4.12	PPBV	98
20) FREON 113	6.80	151	428888	4.11	PPBV	99
21) TRANS-1,2-DICHLOROETHYLENE	7.46	96	181599	4.43	PPBV	99
22) TERTIARY BUTYL ALCOHOL	6.57	59	222333	3.74	PPBV	98
23) METHYL TERTIARY BUTYL ETHE	7.75	73	364983	4.29	PPBV	98
24) TETRAHYDROFURAN	9.19	42	105474	3.97	PPBV	97
25) HEXANE	8.63	57	195078	3.71	PPBV	98
26) VINYL ACETATE	7.81	43	232109	3.93	PPBV	98
27) 1,1-DICHLOROETHANE	7.66	63	301919	4.27	PPBV	99
28) METHYL ETHYL KETONE	8.09	43	209889	3.88	PPBV	97
29) cis-1,2-DICHLOROETHYLENE	8.46	96	163543	4.16	PPBV	99
30) ETHYL ACETATE	8.70	43	228503	4.10	PPBV	98
31) CHLOROFORM	8.74	83	406387	4.03	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.68	97	471322	4.08	PPBV	99
33) CARBON TETRACHLORIDE	10.26	117	596154	4.13	PPBV	99
34) 1,2-DICHLOROETHANE	9.46	62	243904	4.23	PPBV	99
36) BENZENE	10.12	78	408870	4.27	PPBV	99
37) CYCLOHEXANE	10.37	84	203247	4.21	PPBV	99
38) TRICHLOROETHYLENE	11.11	95	221572	4.16	PPBV	99
39) 1,2-DICHLOROPROPANE	10.90	63	137660	4.22	PPBV	100
40) BROMODICHLOROMETHANE	11.09	83	386392	3.99	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.12	57	629580	4.38	PPBV	99
42) 1,4-DIOXANE	11.20	88	57106	3.07	PPBV	98
43) HEPTANE	11.36	43	204281	4.54	PPBV	98

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10763.D
Acq On : 25 Jun 2007 3:34 pm
Operator : danat
Sample : ic557-5 (m172)
Misc : MS13762, MSJ557,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 25 16:23:30 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Jun 25 15:23:46 2007
Response via : Initial Calibration

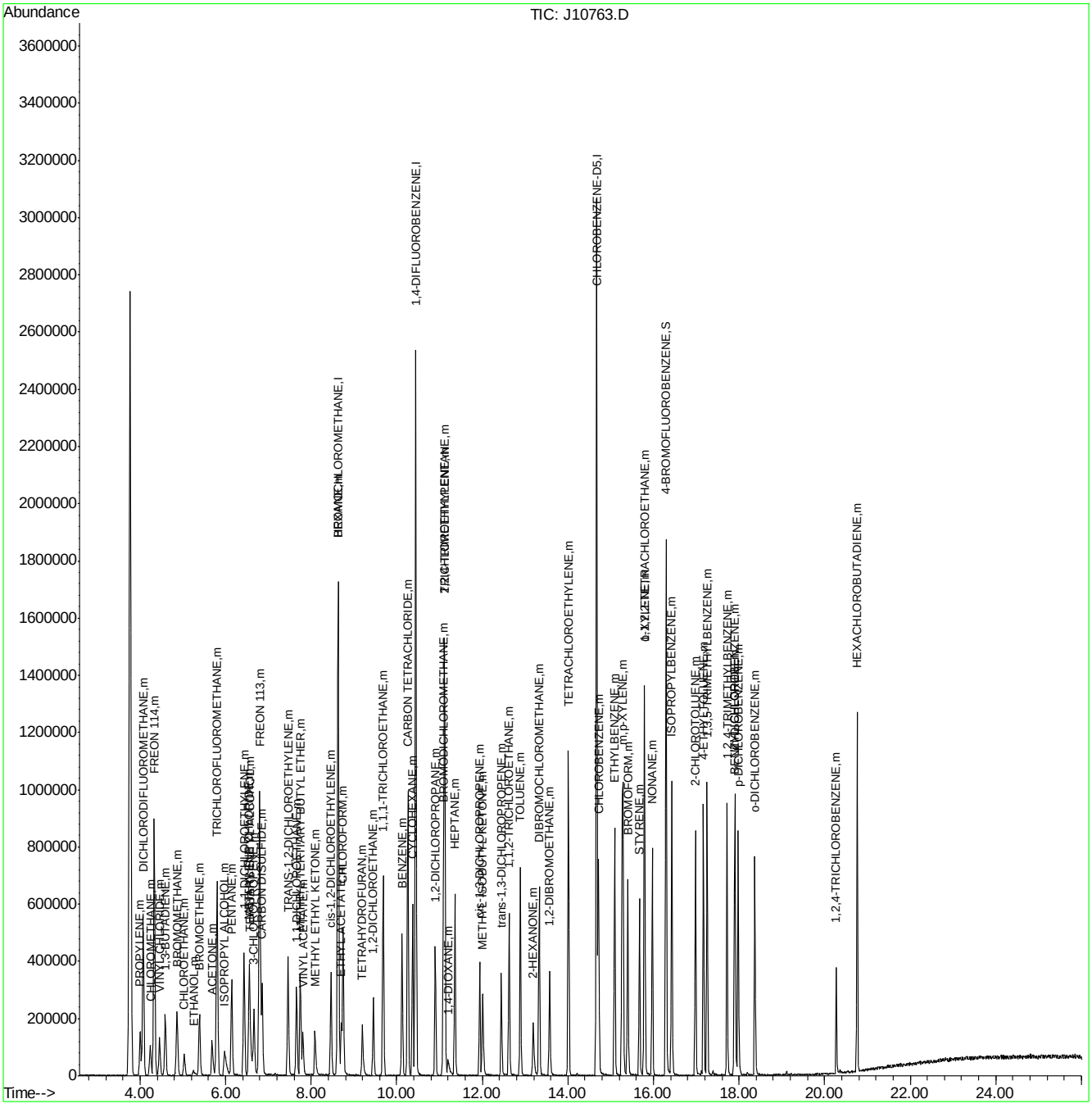
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.01	43	211276	3.49	PPBV	99
45) cis-1,3-DICHLOROPROPENE	11.94	75	196043	4.41	PPBV	98
46) TOLUENE	12.89	92	283875	4.43	PPBV	98
47) trans-1,3-DICHLOROPROPENE	12.44	75	185278	4.43	PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.63	83	146101	4.12	PPBV	99
50) 2-HEXANONE	13.19	43	164292	3.56	PPBV	100
51) TETRACHLOROETHYLENE	14.01	164	253693	4.19	PPBV	99
52) DIBROMOCHLOROMETHANE	13.33	129	376233	4.16	PPBV	99
53) 1,2-DIBROMOETHANE	13.57	107	258481	4.30	PPBV	100
54) CHLOROBENZENE	14.72	112	415160	4.34	PPBV	99
55) ETHYLBENZENE	15.09	91	602996	4.97	PPBV	100
56) m,p-XYLENE	15.27	106	500168	10.06	PPBV	95
57) o-XYLENE	15.78	106	244731	5.06	PPBV	98
58) STYRENE	15.67	104	288962	4.63	PPBV	99
59) NONANE	15.97	43	249331	4.36	PPBV	99
60) BROMOFORM	15.40	173	354581	4.04	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.80	83	310190	4.13	PPBV	99
63) ISOPROPYLBENZENE	16.43	105	674847	4.84	PPBV	99
64) 2-CHLOROTOLUENE	16.98	91	448533	4.71	PPBV	99
65) 4-ETHYLTOLUENE	17.17	105	539487	4.56	PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.26	105	524025	4.79	PPBV	98
67) 1,2,4-TRIMETHYLBENZENE	17.72	105	456188	4.67	PPBV	99
68) m-DICHLOROBENZENE	17.90	146	360966	4.73	PPBV	100
69) BENZYL CHLORIDE	17.89	91	254307	3.84	PPBV	99
70) p-DICHLOROBENZENE	17.98	146	343837	4.92	PPBV	100
71) o-DICHLOROBENZENE	18.37	146	304207	4.49	PPBV	99
72) HEXACHLOROBUTADIENE	20.76	225	206655	3.69	PPBV	98
73) 1,2,4-TRICHLOROBENZENE	20.27	180	101637	3.43	PPBV	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10763.D
Acq On : 25 Jun 2007 3:34 pm
Operator : danat
Sample : ic557-5 (m172)
Misc : MS13762, MSJ557,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 25 16:23:30 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Jun 25 15:23:46 2007
Response via : Initial Calibration



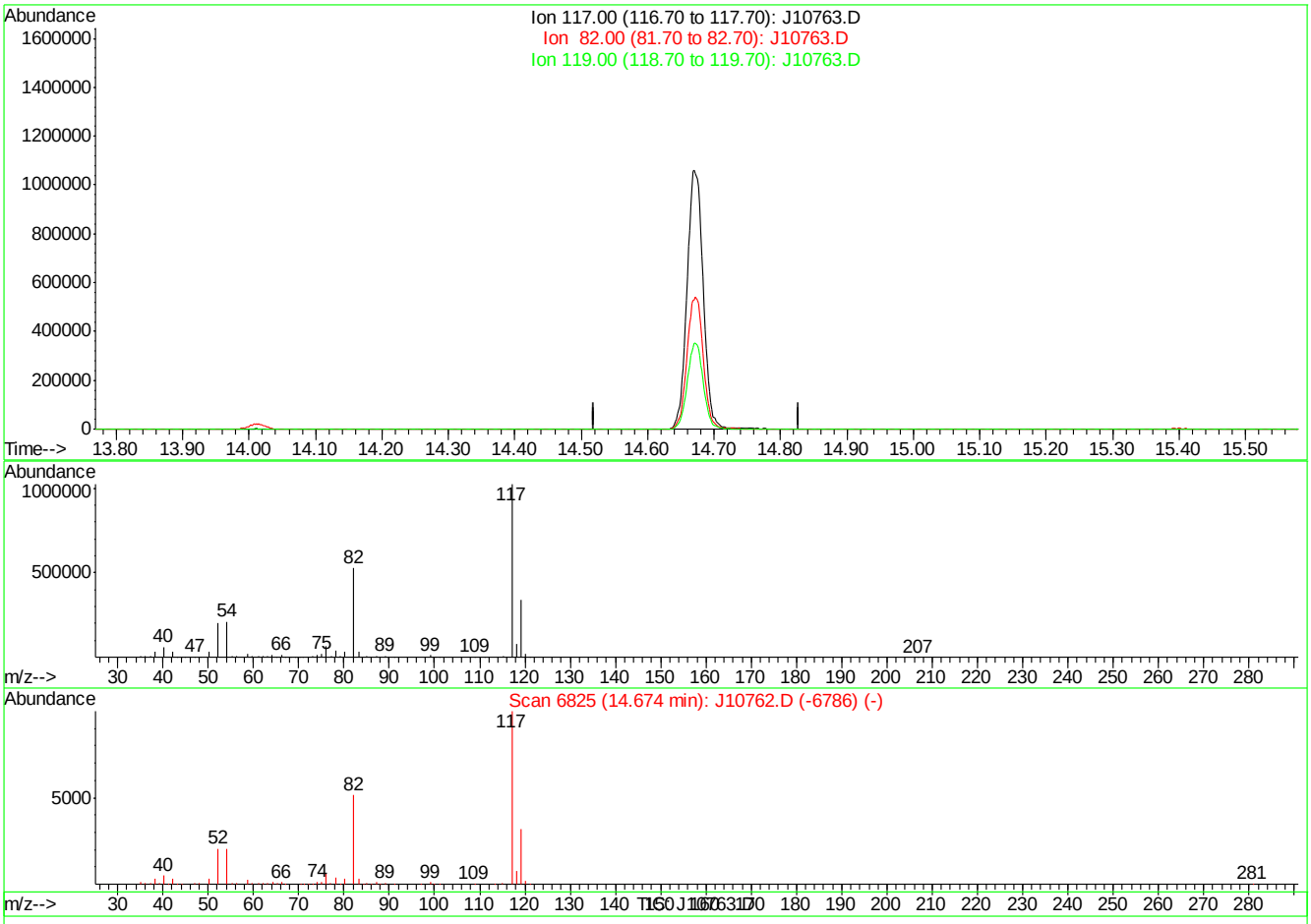
ACCUTEST Laboratories M67846

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10763.D Vial: 3
Acq On : 25 Jun 2007 3:34 pm Operator: danat
Sample : ic557-5 (m172) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 25 16:22:09 2007 Results File: J062507T.RES

Method : C:\MSDCHEM\1\METHODS\J062507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Mon Jun 25 15:23:46 2007
Response via : Multiple Level Calibration



(49) CHLOROBENZENE-D5 (I)

14.67min 0.00PPBV

response 0

Ion	Exp%	Act%
117.00	100	0.00
82.00	0.00	0.00
119.00	0.00	0.00
0.00	0.00	0.00

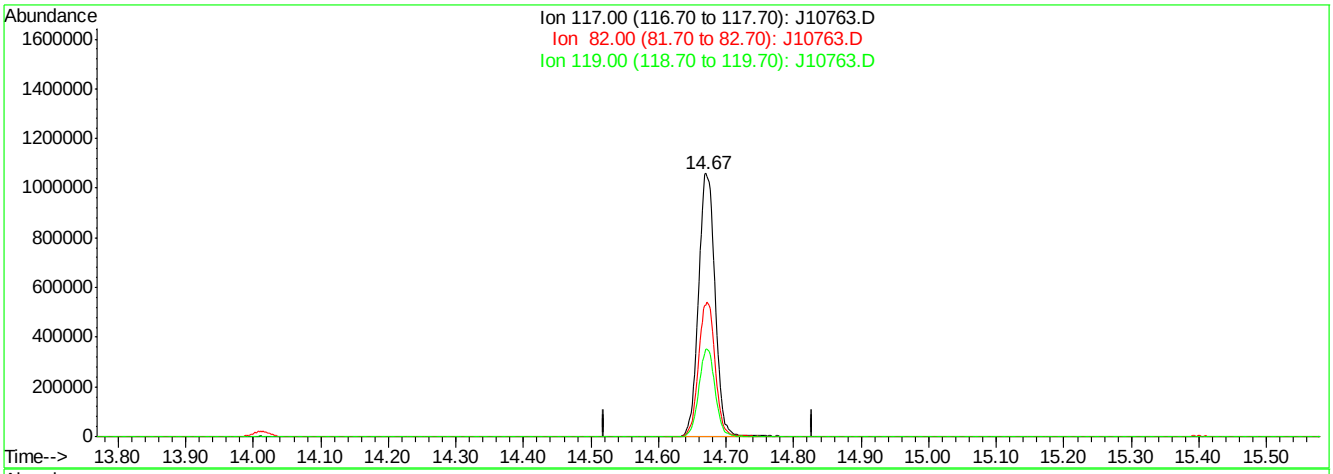
J10763.D J062507T.M Mon Jun 25 16:23:06 2007

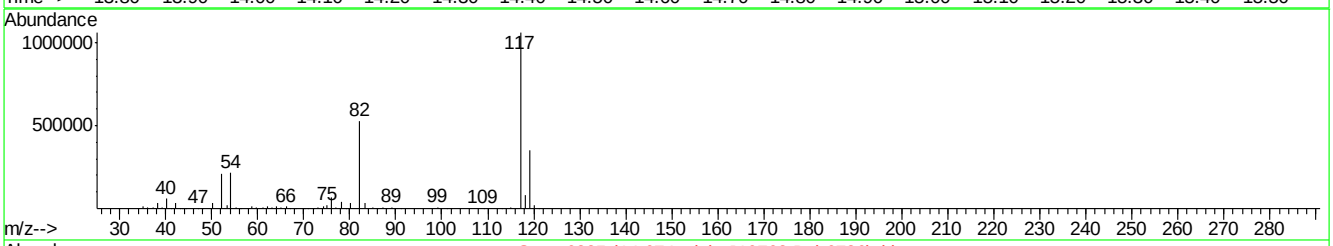
Quantitation Report (Qedit)

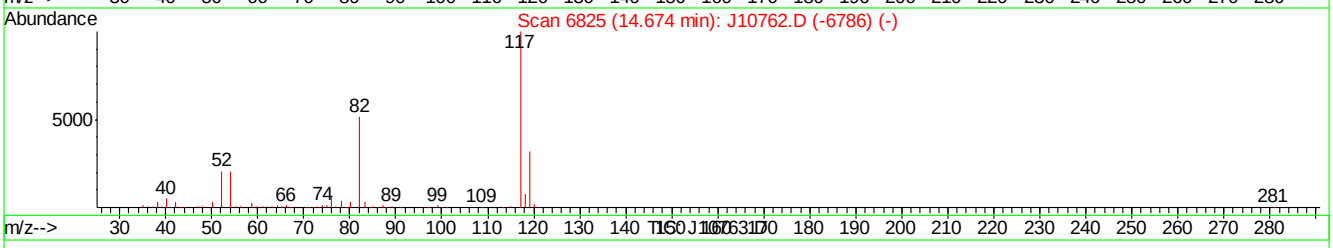
Data File : C:\MSDChem\1\data\J10763.D Vial: 3
Acq On : 25 Jun 2007 3:34 pm Operator: danat
Sample : ic557-5 (m172) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 25 16:22:09 2007 Results File: J062507T.RES

Method : C:\MSDCHEM\1\METHODS\J062507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Mon Jun 25 15:23:46 2007
Response via : Multiple Level Calibration







(49) CHLOROBENZENE-D5 (I)

14.67min 10.00PPBV m

response 1791020

Ion	Exp%	Act%
117.00	100	100
82.00	0.00	0.00
119.00	0.00	0.00
0.00	0.00	0.00

J10763.D J062507T.M Mon Jun 25 16:23:12 2007

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10765.D
Acq On : 25 Jun 2007 5:14 pm
Operator : danat
Sample : ic557-2 (m140)
Misc : MS13762, MSJ557,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 25 18:15:00 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Jun 25 17:37:45 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	416388	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.44	114	1921784	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.67	117	1702630	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.29	95	556279	5.17	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 103.40%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.07	85	296329	2.00	PPBV	99
3) PROPYLENE	4.00	41	43986	2.02	PPBV	84
4) FREON 114	4.33	85	269733	2.09	PPBV	99
5) CHLOROMETHANE	4.24	50	66645	2.08	PPBV	90
6) VINYL CHLORIDE	4.45	62	76463	2.08	PPBV	95
7) 1,3-BUTADIENE	4.59	39	53443	2.05	PPBV	92
8) BROMOMETHANE	4.86	94	89596	2.15	PPBV	100
9) CHLOROETHANE	5.03	64	37742	2.21	PPBV	98
10) TRICHLOROFLUOROMETHANE	5.79	101	330975	2.12	PPBV	99
11) ISOPROPYL ALCOHOL	5.97	45	104703	2.22	PPBV	95
12) ACETONE	5.67	43	132381	2.45	PPBV	98
13) PENTANE	6.14	42	66618	2.11	PPBV	98
14) 1,1-DICHLOROETHYLENE	6.43	96	78982	1.99	PPBV	98
15) CARBON DISULFIDE	6.85	76	243014	2.02	PPBV	97
16) ETHANOL	5.25	45	15706	2.19	PPBV	85
17) BROMOETHENE	5.38	106	79593	1.98	PPBV	99
18) METHYLENE CHLORIDE	6.55	84	185654	4.10	PPBV	97
19) 3-CHLOROPROPENE	6.66	39	64079	2.04	PPBV	96
20) FREON 113	6.79	151	210410	2.16	PPBV	99
21) TRANS-1,2-DICHLOROETHYLENE	7.46	96	78765	2.05	PPBV	98
22) TERTIARY BUTYL ALCOHOL	6.59	59	86293	1.66	PPBV #	57
23) METHYL TERTIARY BUTYL ETHE	7.74	73	165977	2.09	PPBV	95
24) TETRAHYDROFURAN	9.20	42	47795	1.98	PPBV	97
25) HEXANE	8.63	57	102346	2.12	PPBV	93
26) VINYL ACETATE	7.80	43	98463	1.86	PPBV	93
27) 1,1-DICHLOROETHANE	7.66	63	151812	2.27	PPBV	99
28) METHYL ETHYL KETONE	8.09	43	112098	2.22	PPBV	96
29) cis-1,2-DICHLOROETHYLENE	8.46	96	76910	2.10	PPBV	98
30) ETHYL ACETATE	8.70	43	114716	2.20	PPBV	96
31) CHLOROFORM	8.74	83	203922	2.17	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.68	97	247067	2.27	PPBV	99
33) CARBON TETRACHLORIDE	10.26	117	289524	2.15	PPBV	99
34) 1,2-DICHLOROETHANE	9.45	62	118636	2.19	PPBV	99
36) BENZENE	10.12	78	197180	2.19	PPBV	100
37) CYCLOHEXANE	10.37	84	80360	1.84	PPBV	99
38) TRICHLOROETHYLENE	11.11	95	107542	2.16	PPBV	96
39) 1,2-DICHLOROPROPANE	10.90	63	65755	2.16	PPBV	96
40) BROMODICHLOROMETHANE	11.08	83	189190	2.12	PPBV	97
41) 2,2,4-TRIMETHYLPENTANE	11.12	57	304219	2.24	PPBV	97
42) 1,4-DIOXANE	11.20	88	38214	2.28	PPBV	84
43) HEPTANE	11.35	43	98303	2.29	PPBV	96

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10765.D
Acq On : 25 Jun 2007 5:14 pm
Operator : danat
Sample : ic557-2 (m140)
Misc : MS13762, MSJ557,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 25 18:15:00 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Jun 25 17:37:45 2007
Response via : Initial Calibration

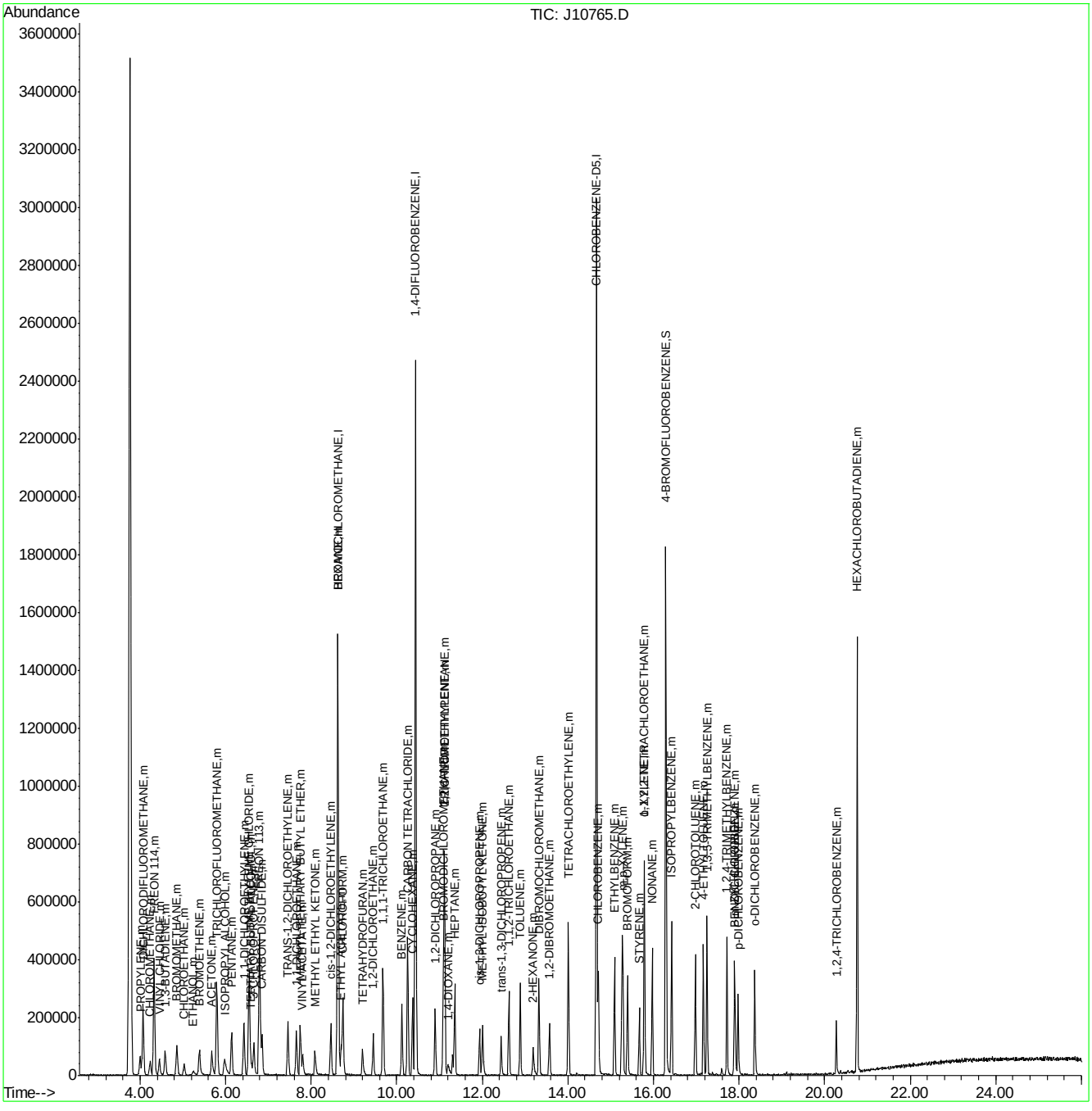
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.00	43	114732	2.11	PPBV	96
45) cis-1,3-DICHLOROPROPENE	11.94	75	78476	2.34	PPBV	98
46) TOLUENE	12.88	92	121156	2.03	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.44	75	66797	2.34	PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.62	83	69047	2.10	PPBV	99
50) 2-HEXANONE	13.19	43	78875	1.92	PPBV	91
51) TETRACHLOROETHYLENE	14.01	164	117794	2.09	PPBV	99
52) DIBROMOCHLOROMETHANE	13.32	129	178391	2.12	PPBV	99
53) 1,2-DIBROMOETHANE	13.57	107	113120	2.02	PPBV	100
54) CHLOROBENZENE	14.71	112	187368	2.09	PPBV	99
55) ETHYLBENZENE	15.09	91	250836	2.31	PPBV	99
56) m,p-XYLENE	15.28	106	214227	4.79	PPBV	89
57) o-XYLENE	15.78	106	108566	2.47	PPBV	97
58) STYRENE	15.67	104	98160	2.29	PPBV	99
59) NONANE	15.97	43	129292	2.91	PPBV	97
60) BROMOFORM	15.40	173	171039	2.10	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.79	83	177617	2.46	PPBV	97
63) ISOPROPYLBENZENE	16.42	105	322513	2.54	PPBV	98
64) 2-CHLOROTOLUENE	16.98	91	204342	2.54	PPBV	100
65) 4-ETHYLTOLUENE	17.16	105	236988	2.58	PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.25	105	266609	2.72	PPBV	98
67) 1,2,4-TRIMETHYLBENZENE	17.72	105	215214	2.68	PPBV	100
68) m-DICHLOROBENZENE	17.90	146	143005	2.57	PPBV	99
69) BENZYL CHLORIDE	17.89	91	78599	2.83	PPBV	97
70) p-DICHLOROBENZENE	17.98	146	117186	2.42	PPBV	100
71) o-DICHLOROBENZENE	18.37	146	141509	2.74	PPBV	100
72) HEXACHLOROBUTADIENE	20.76	225	252852	4.77	PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.27	180	49876	2.97	PPBV	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10765.D
Acq On : 25 Jun 2007 5:14 pm
Operator : danat
Sample : ic557-2 (m140)
Misc : MS13762, MSJ557,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 25 18:15:00 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Jun 25 17:37:45 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10768.D
Acq On : 26 Jun 2007 11:20 am
Operator : danat
Sample : icv557-10 (M080)
Misc : MS13762, MSJ557,,,,,1
ALS Vial : 1 Sample Multiplier: 1

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.63	128	405778	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.45	114	1774169	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.68	117	1608427	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.30	95	541254	5.33	PPBV	0.00
Spiked Amount 5.000	Range 51 - 142		Recovery	=	106.60%	
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.07	85	1522377	10.54	PPBV	100
3) PROPYLENE	4.00	41	243219	11.44	PPBV	97
4) FREON 114	4.33	85	1185220	9.42	PPBV	99
5) CHLOROMETHANE	4.24	50	311223	9.95	PPBV	97
6) VINYL CHLORIDE	4.46	62	351902	9.81	PPBV	100
7) 1,3-BUTADIENE	4.59	39	261957	10.32	PPBV	94
8) BROMOMETHANE	4.86	94	401363	9.86	PPBV	99
9) CHLOROETHANE	5.04	64	162806	9.80	PPBV	99
10) TRICHLOROFLUOROMETHANE	5.80	101	1451070	9.56	PPBV	100
11) ISOPROPYL ALCOHOL	5.98	45	415024	9.02	PPBV	99
12) ACETONE	5.67	43	413182	8.82	PPBV	97
13) PENTANE	6.14	42	308718	10.10	PPBV	99
14) 1,1-DICHLOROETHYLENE	6.43	96	366272	9.46	PPBV	96
15) CARBON DISULFIDE	6.86	76	1095507	9.33	PPBV	99
16) ETHANOL	5.24	45	69861	9.66	PPBV #	63
17) BROMOETHENE	5.39	106	388340	9.89	PPBV	99
18) METHYLENE CHLORIDE	6.56	84	332134	8.51	PPBV	97
19) 3-CHLOROPROPENE	6.67	39	295219	9.65	PPBV	96
20) FREON 113	6.80	151	829450	8.73	PPBV	99
21) TRANS-1,2-DICHLOROETHYLENE	7.46	96	355774	9.51	PPBV	96
22) TERTIARY BUTYL ALCOHOL	6.58	59	573470	11.34	PPBV	95
23) METHYL TERTIARY BUTYL ETHE	7.75	73	752569	9.72	PPBV	98
24) TETRAHYDROFURAN	9.19	42	230424	9.80	PPBV	96
25) HEXANE	8.64	57	388541	8.26	PPBV	97
26) VINYL ACETATE	7.81	43	444920	8.62	PPBV	97
27) 1,1-DICHLOROETHANE	7.66	63	607417	9.30	PPBV	99
28) METHYL ETHYL KETONE	8.08	43	459121	9.34	PPBV	94
29) cis-1,2-DICHLOROETHYLENE	8.47	96	333938	9.37	PPBV	98
30) ETHYL ACETATE	8.70	43	483427	9.52	PPBV	96
31) CHLOROFORM	8.75	83	848036	9.26	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.69	97	1000451	9.43	PPBV	99
33) CARBON TETRACHLORIDE	10.26	117	1328522	10.12	PPBV	100
34) 1,2-DICHLOROETHANE	9.46	62	503150	9.53	PPBV	99
36) BENZENE	10.13	78	826238	9.95	PPBV	99
37) CYCLOHEXANE	10.37	84	430955	10.71	PPBV	99
38) TRICHLOROETHYLENE	11.12	95	480147	10.46	PPBV	99
39) 1,2-DICHLOROPROPANE	10.91	63	282235	10.04	PPBV	98
40) BROMODICHLOROMETHANE	11.10	83	800209	9.69	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.12	57	1446517	11.52	PPBV	99
42) 1,4-DIOXANE	11.19	88	154868	10.03	PPBV	94
43) HEPTANE	11.36	43	449238	11.33	PPBV	99

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10768.D
Acq On : 26 Jun 2007 11:20 am
Operator : danat
Sample : icv557-10 (M080)
Misc : MS13762, MSJ557,,,,,1
ALS Vial : 1 Sample Multiplier: 1

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

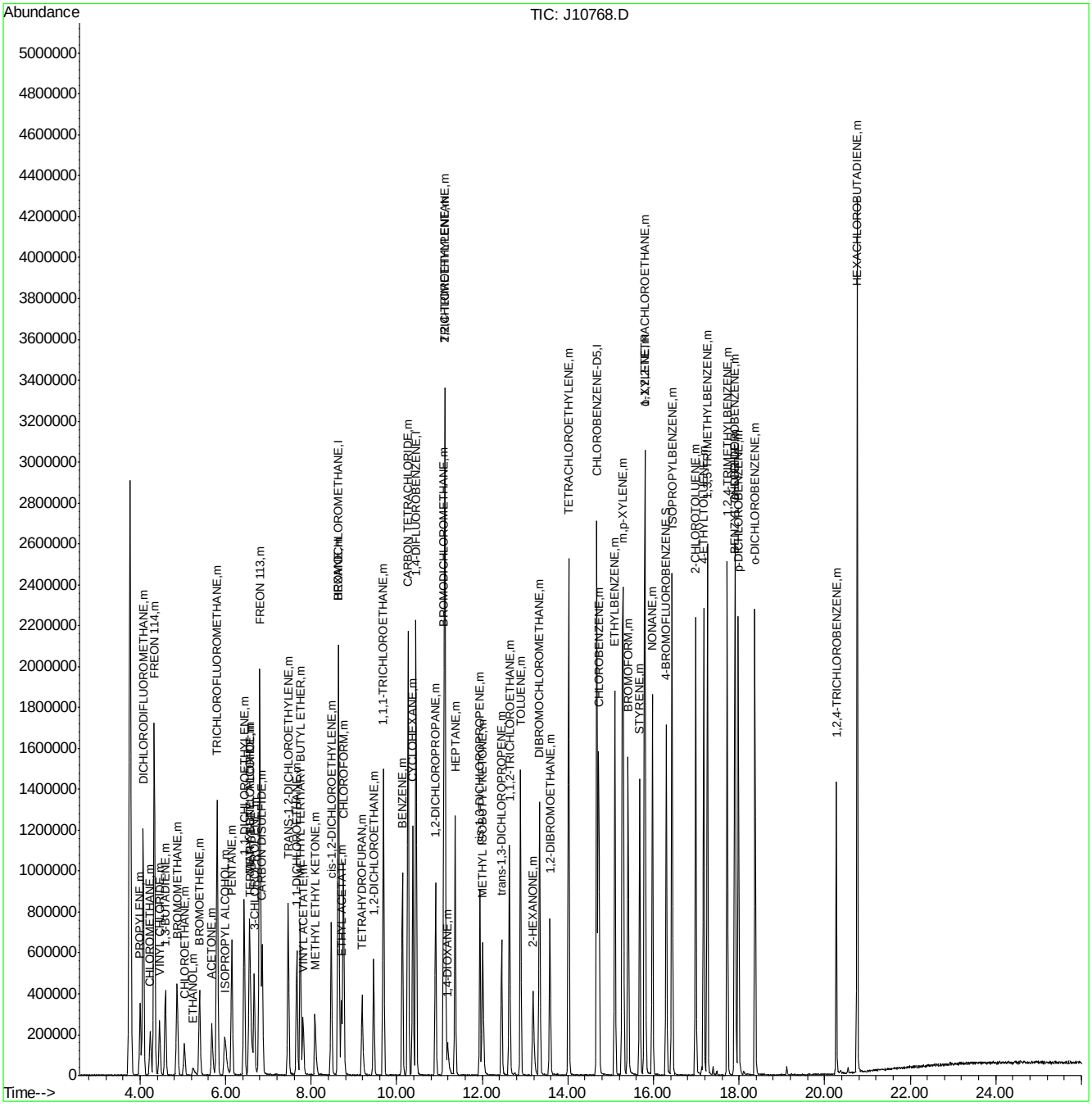
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.01	43	525462	10.45	PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.94	75	449981	9.40	PPBV	98
46) TOLUENE	12.89	92	607046	11.02	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.45	75	363600	8.70	PPBV	98
48) 1,1,2-TRICHLOROETHANE	12.63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

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10768.D
Acq On : 26 Jun 2007 11:20 am
Operator : danat
Sample : icv557-10 (M080)
Misc : MS13762, MSJ557,,,,,1
ALS Vial : 1 Sample Multiplier: 1

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



ACCUTEST Laboratories M67846

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
07/10/07 12:26

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10841.D
Acq On : 3 Jul 2007 11:46 am
Operator : danat
Sample : cc557-10 (M080)
Misc : MS13762, MSJ561,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 05 17:19:56 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Jun 25 18:15:12 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.63	128	325534	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.45	114	1248606	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.68	117	1130914	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.30	95	388403	5.44	PPBV	0.00
Spiked Amount 5.000	Range 51 - 142		Recovery = 108.80%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.07	85	1286960	11.10	PPBV	100
3) PROPYLENE	4.01	41	217724	12.77	PPBV	98
4) FREON 114	4.33	85	1206632	11.95	PPBV	99
5) CHLOROMETHANE	4.24	50	294232	11.73	PPBV	98
6) VINYL CHLORIDE	4.45	62	354795	12.33	PPBV	98
7) 1,3-BUTADIENE	4.59	39	265066	13.02	PPBV	98
8) BROMOMETHANE	4.86	94	410826	12.59	PPBV	100
9) CHLOROETHANE	5.04	64	170206	12.78	PPBV	99
10) TRICHLOROFLUOROMETHANE	5.80	101	1405111	11.54	PPBV	100
11) ISOPROPYL ALCOHOL	5.99	45	356957	9.67	PPBV	93
12) ACETONE	5.67	43	409487	11.00	PPBV	99
13) PENTANE	6.14	42	308025	12.56	PPBV	99
14) 1,1-DICHLOROETHYLENE	6.43	96	394600	12.70	PPBV	95
15) CARBON DISULFIDE	6.85	76	1082391	11.49	PPBV	98
16) ETHANOL	5.25	45	67814	11.66	PPBV	92
17) BROMOETHENE	5.39	106	412656	13.10	PPBV	100
18) METHYLENE CHLORIDE	6.55	84	358148	11.84	PPBV	97
19) 3-CHLOROPROPENE	6.67	39	298251	12.15	PPBV	98
20) FREON 113	6.79	151	889423	11.67	PPBV	97
21) TRANS-1,2-DICHLOROETHYLENE	7.46	96	380315	12.68	PPBV	99
22) TERTIARY BUTYL ALCOHOL	6.60	59	341826	8.43	PPBV	87
23) METHYL TERTIARY BUTYL ETHE	7.75	73	678742	10.92	PPBV	99
24) TETRAHYDROFURAN	9.19	42	240566	12.75	PPBV	99
25) HEXANE	8.64	57	420796	11.15	PPBV	98
26) VINYL ACETATE	7.81	43	478326	11.55	PPBV	99
27) 1,1-DICHLOROETHANE	7.66	63	640114	12.22	PPBV	100
28) METHYL ETHYL KETONE	8.09	43	457871	11.62	PPBV	98
29) cis-1,2-DICHLOROETHYLENE	8.47	96	376534	13.16	PPBV	99
30) ETHYL ACETATE	8.70	43	484367	11.89	PPBV	97
31) CHLOROFORM	8.75	83	889448	12.11	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.68	97	1028637	12.09	PPBV	98
33) CARBON TETRACHLORIDE	10.26	117	1233346	11.71	PPBV	100
34) 1,2-DICHLOROETHANE	9.46	62	523088	12.35	PPBV	99
36) BENZENE	10.13	78	950105	16.25	PPBV	100
37) CYCLOHEXANE	10.37	84	447581	15.80	PPBV	99
38) TRICHLOROETHYLENE	11.12	95	485753	15.04	PPBV	99
39) 1,2-DICHLOROPROPANE	10.91	63	310722	15.70	PPBV	98
40) BROMODICHLOROMETHANE	11.10	83	808945	13.93	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.13	57	1619007	18.32	PPBV	99
42) 1,4-DIOXANE	11.19	88	153693m	14.14	PPBV	
43) HEPTANE	11.36	43	481770	17.26	PPBV	99

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10841.D
Acq On : 3 Jul 2007 11:46 am
Operator : danat
Sample : cc557-10 (M080)
Misc : MS13762, MSJ561,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 05 17:19:56 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Jun 25 18:15:12 2007
Response via : Initial Calibration

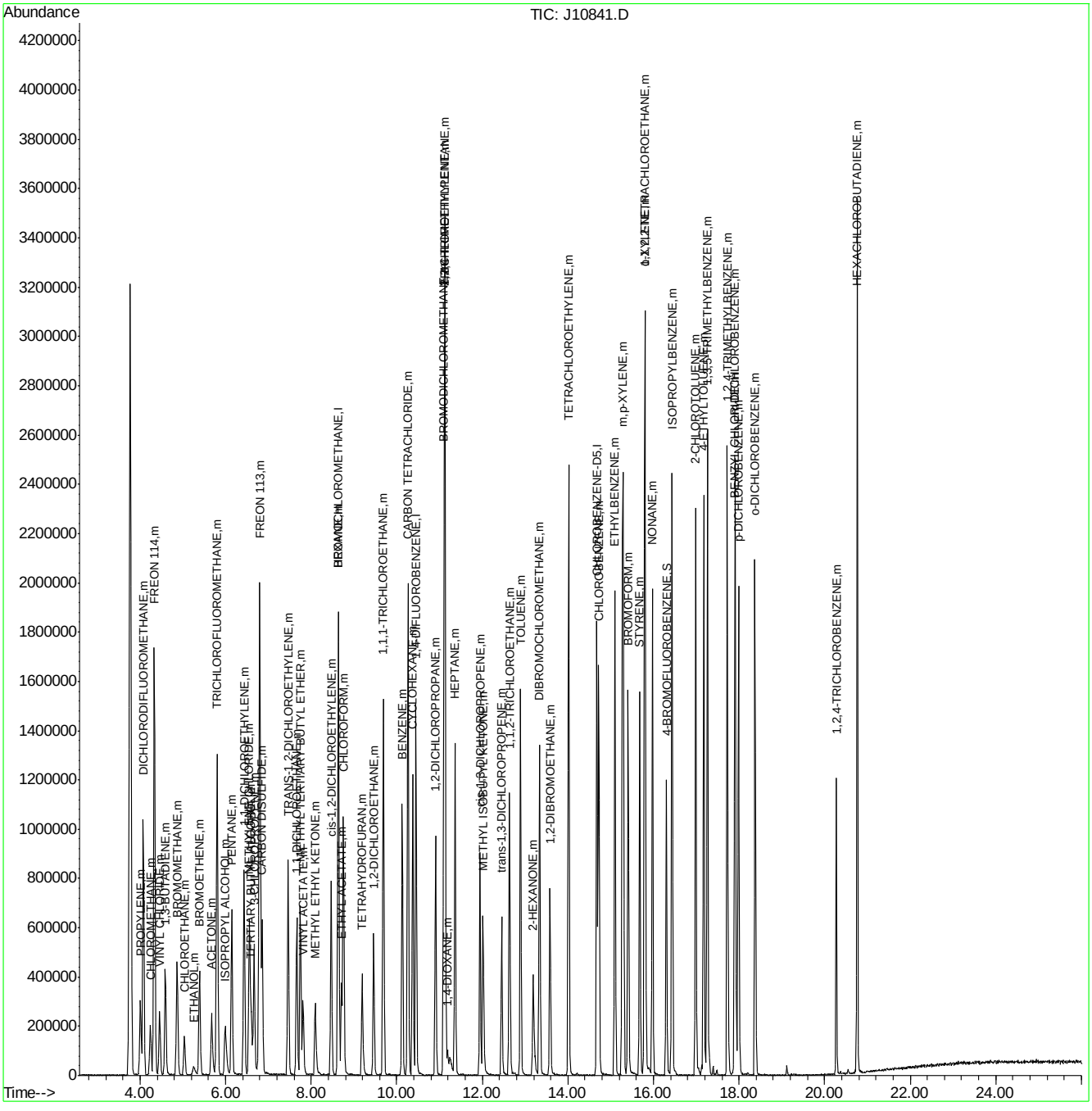
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.01	43	539941	15.25	PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.94	75	468418	13.44	PPBV	99
46) TOLUENE	12.89	92	670460	17.30	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.45	75	367062	10.82	PPBV	100
48) 1,1,2-TRICHLOROETHANE	12.63	83	335947	15.73	PPBV	100
50) 2-HEXANONE	13.18	43	392439	14.41	PPBV	99
51) TETRACHLOROETHYLENE	14.01	164	581387	15.51	PPBV	99
52) DIBROMOCHLOROMETHANE	13.33	129	842691	15.05	PPBV	100
53) 1,2-DIBROMOETHANE	13.58	107	602752	16.23	PPBV	100
54) CHLOROBENZENE	14.72	112	966701	16.25	PPBV	98
55) ETHYLBENZENE	15.10	91	1460129	14.28	PPBV	100
56) m,p-XYLENE	15.29	106	1232677	28.93	PPBV	98
57) o-XYLENE	15.79	106	617290	14.32	PPBV	100
58) STYRENE	15.68	104	810796	13.54	PPBV	99
59) NONANE	15.98	43	678443	15.35	PPBV	100
60) BROMOFORM	15.41	173	849541	15.71	PPBV	100
62) 1,1,2,2-TETRACHLOROETHANE	15.81	83	859117m	17.94	PPBV	
63) ISOPROPYLBENZENE	16.43	105	1798219	14.58	PPBV	100
64) 2-CHLOROTOLUENE	16.99	91	1266891	14.67	PPBV	99
65) 4-ETHYLTOLUENE	17.18	105	1496123	13.05	PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.26	105	1510872	14.54	PPBV	100
67) 1,2,4-TRIMETHYLBENZENE	17.72	105	1401444	14.49	PPBV	99
68) m-DICHLOROBENZENE	17.91	146	941668	13.63	PPBV	99
69) BENZYL CHLORIDE	17.89	91	610771	11.44	PPBV	99
70) p-DICHLOROBENZENE	17.98	146	857194	13.10	PPBV	100
71) o-DICHLOROBENZENE	18.37	146	874986	14.38	PPBV	98
72) HEXACHLOROBUTADIENE	20.76	225	623557	17.58	PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.27	180	324519	14.07	PPBV	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10841.D
Acq On : 3 Jul 2007 11:46 am
Operator : danat
Sample : cc557-10 (M080)
Misc : MS13762, MSJ561,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 05 17:19:56 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Jun 25 18:15:12 2007
Response via : Initial Calibration



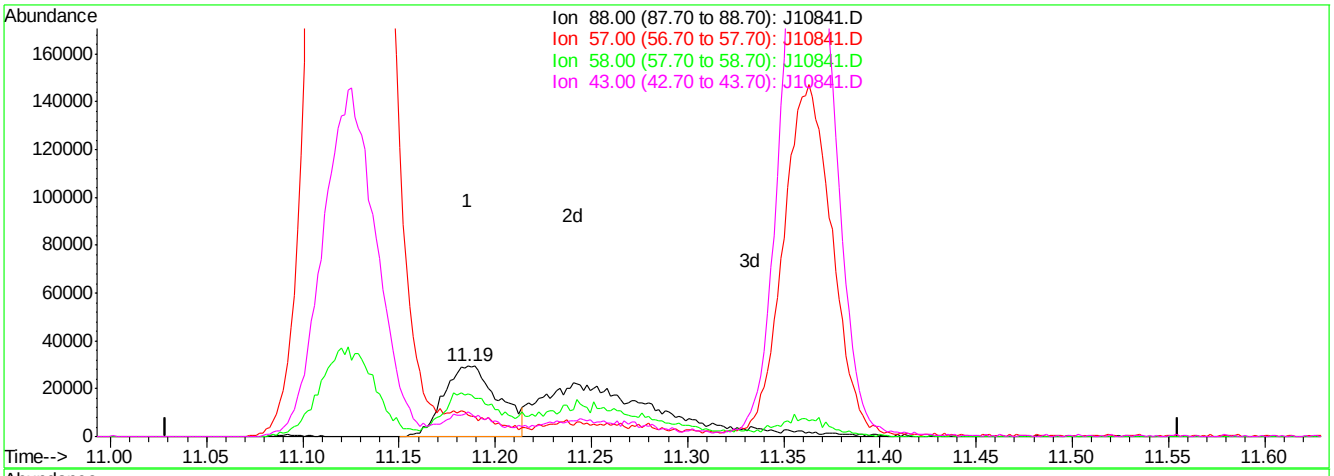
ACCUTEST Laboratories M67846

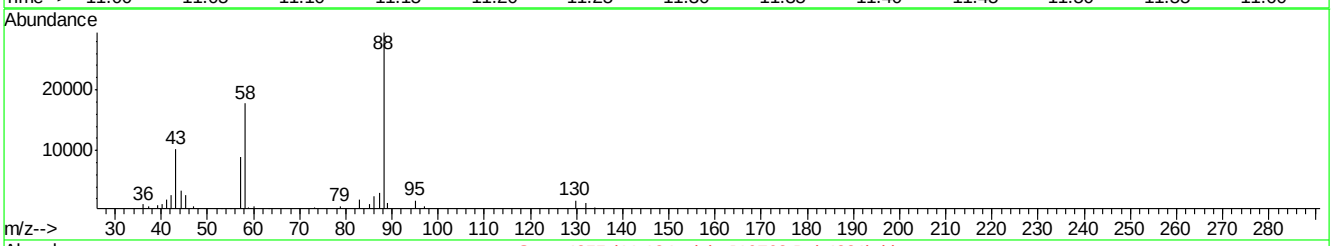
Quantitation Report (Qedit)

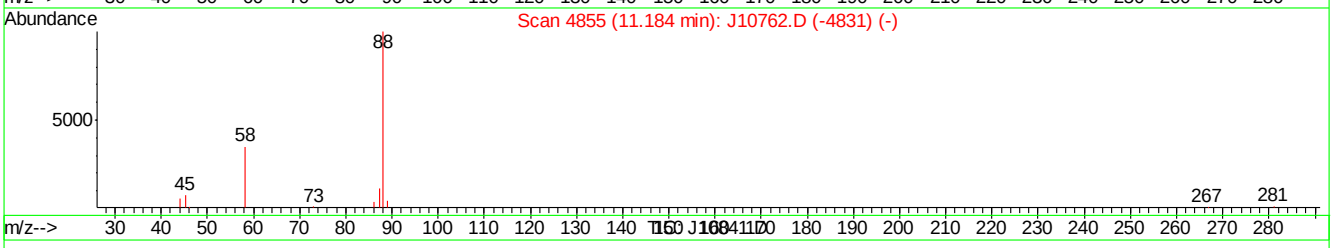
Data File : C:\MSDChem\1\data\J10841.D Vial: 1
Acq On : 3 Jul 2007 11:46 am Operator: danat
Sample : cc557-10 (M080) Inst : MSJ
Misc : MS13762, MSJ561,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 03 12:13:21 2007 Results File: J062507T.RES

Method : C:\MSDCHEM\1\METHODS\J062507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Mon Jun 25 18:15:12 2007
Response via : Multiple Level Calibration







(42) 1,4-DIOXANE (m)

11.19min 5.35PPBV

response 58134

Ion	Exp%	Act%
88.00	100	100
57.00	19.90	30.32
58.00	51.60	60.16
43.00	30.20	34.78

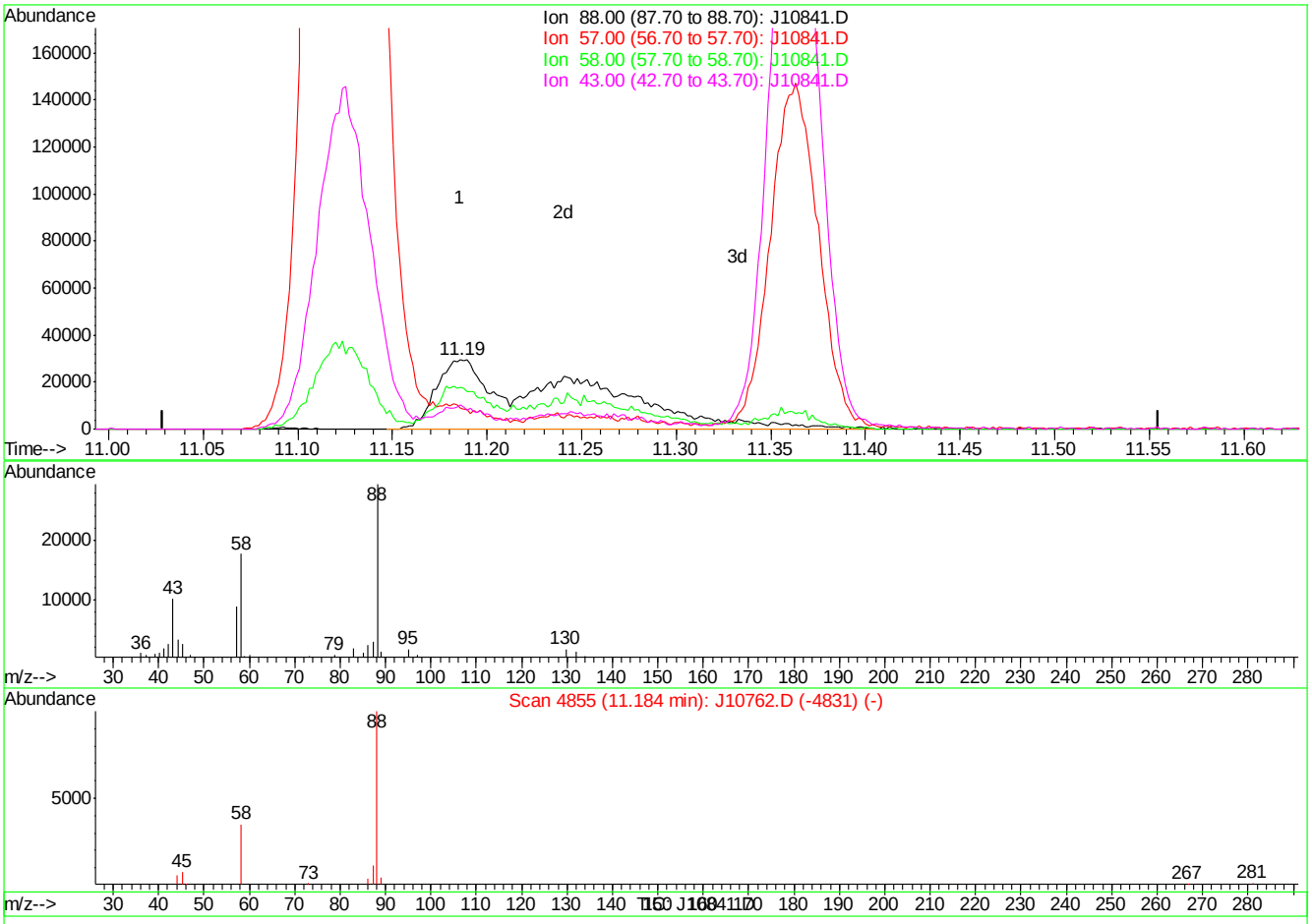
J10841.D J062507T.M Thu Jul 05 17:19:09 2007

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10841.D Vial: 1
Acq On : 3 Jul 2007 11:46 am Operator: danat
Sample : cc557-10 (M080) Inst : MSJ
Misc : MS13762, MSJ561,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 03 12:13:21 2007 Results File: J062507T.RES

Method : C:\MSDCHEM\1\METHODS\J062507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Mon Jun 25 18:15:12 2007
Response via : Multiple Level Calibration



(42) 1,4-DIOXANE (m)

11.19min 14.14PPBV m

response 153693

Ion	Exp%	Act%
88.00	100	100
57.00	19.90	30.32
58.00	51.60	60.16
43.00	30.20	34.78

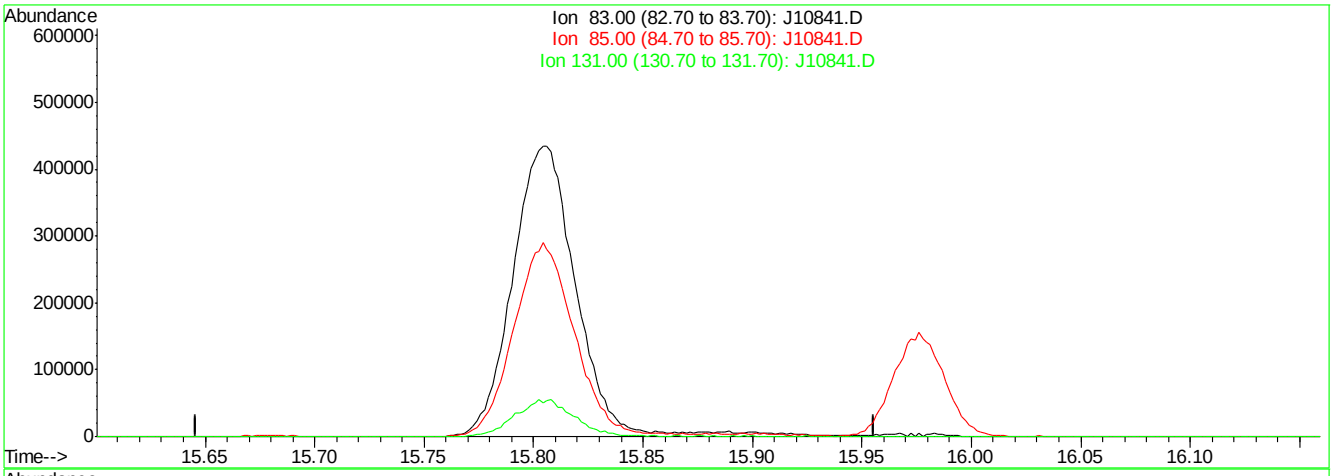
J10841.D J062507T.M Thu Jul 05 17:19:21 2007

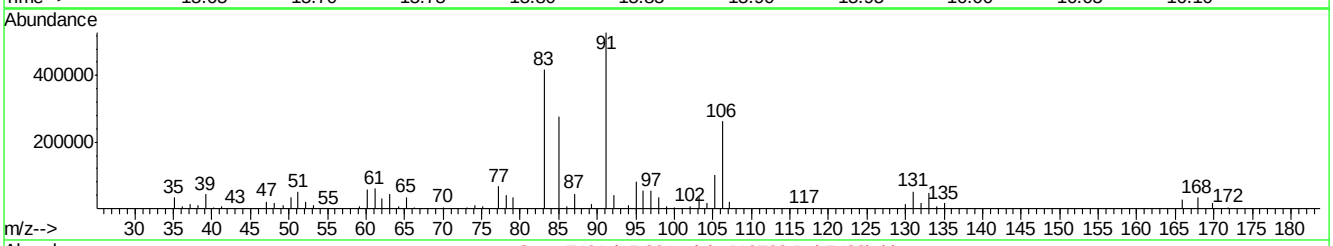
Quantitation Report (Qedit)

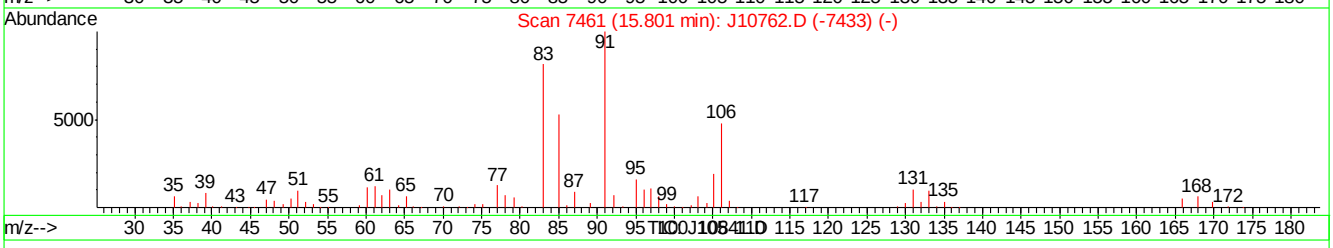
Data File : C:\MSDChem\1\data\J10841.D Vial: 1
Acq On : 3 Jul 2007 11:46 am Operator: danat
Sample : cc557-10 (M080) Inst : MSJ
Misc : MS13762, MSJ561,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 03 12:13:21 2007 Results File: J062507T.RES

Method : C:\MSDCHEM\1\METHODS\J062507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Mon Jun 25 18:15:12 2007
Response via : Multiple Level Calibration







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

15.80min 0.00PPBV

response 0

Ion	Exp%	Act%
83.00	100	0.00
85.00	66.00	0.00#
131.00	12.40	0.00
0.00	0.00	0.00

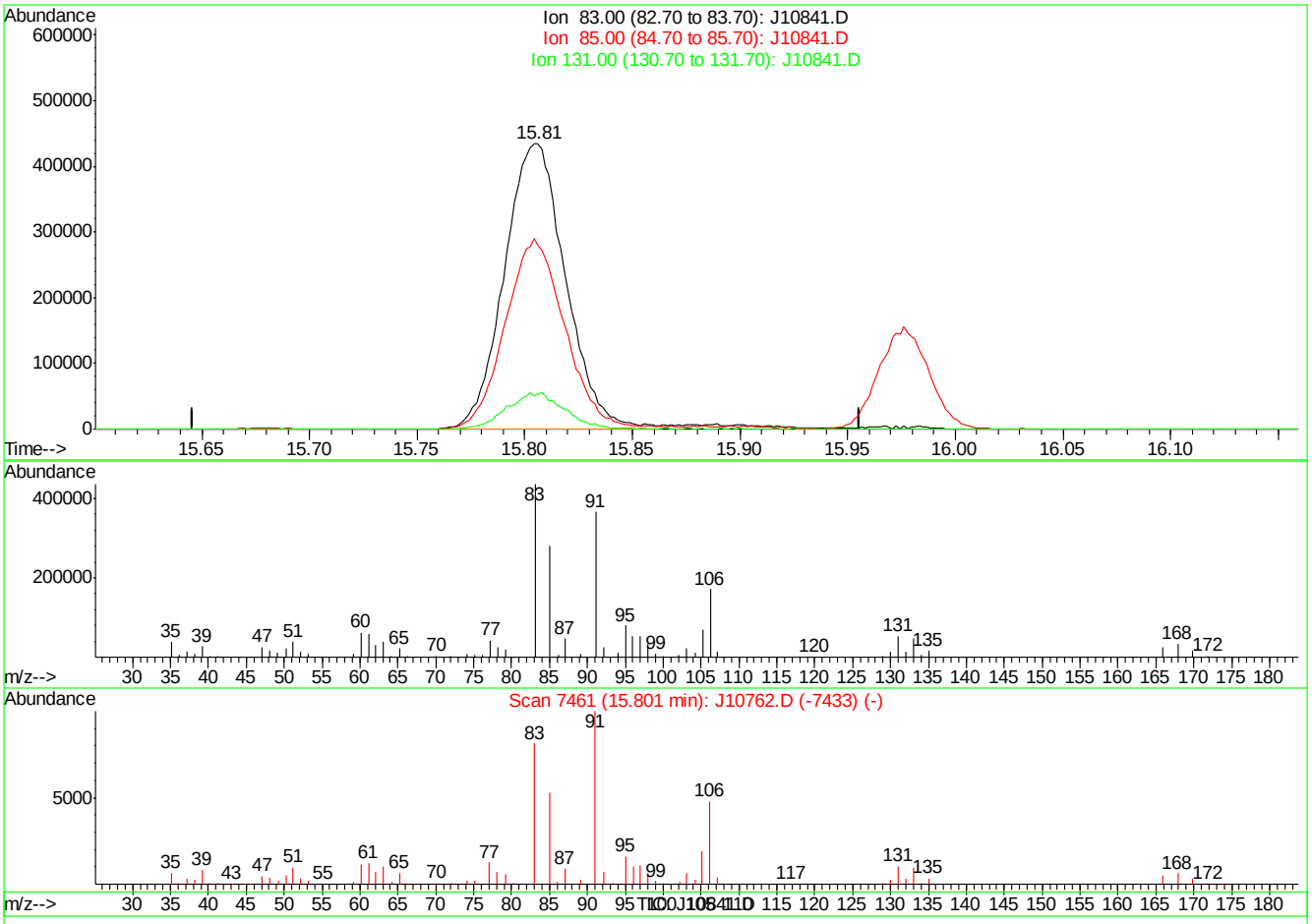
J10841.D J062507T.M Thu Jul 05 17:19:39 2007

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10841.D Vial: 1
Acq On : 3 Jul 2007 11:46 am Operator: danat
Sample : cc557-10 (M080) Inst : MSJ
Misc : MS13762, MSJ561,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 03 12:13:21 2007 Results File: J062507T.RES

Method : C:\MSDCHEM\1\METHODS\J062507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Mon Jun 25 18:15:12 2007
Response via : Multiple Level Calibration



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

15.81min 17.94PPBV m

response 859117

Ion	Exp%	Act%
83.00	100	100
85.00	66.00	0.00#
131.00	12.40	0.00
0.00	0.00	0.00

J10841.D J062507T.M Thu Jul 05 17:19:43 2007

Manual Integrations APPROVED (compounds with "m" flag)
Philip Bassignani
10/03/07 13:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4765.D
Acq On : 2 Oct 2007 8:59 am
Operator : danat
Sample : ic246-0.5 (M051)
Misc : MS14329,MSQ246,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 02 09:26:41 2007
Quant Method : C:\msdchem\1\METHODS\Q100207T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Oct 01 16:26:29 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.621	128	213388	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.449	114	1013189	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.692	117	853864m	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.311	95	310839	4.72	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 94.40%

Target Compounds							Qvalue
2) DICHLORODIFLUOROMETHANE	4.030	85	75966	0.48	PPBV		100
3) PROPYLENE	3.960	41	8313	0.39	PPBV	#	71
4) FREON 114	4.289	85	65361	0.51	PPBV		91
5) CHLOROMETHANE	4.200	50	14549	0.52	PPBV		92
6) VINYL CHLORIDE	4.418	62	14144	0.44	PPBV		83
7) 1,3-BUTADIENE	4.548	39	11726	0.42	PPBV		97
8) BROMOMETHANE	4.832	94	18142	0.47	PPBV		98
9) CHLOROETHANE	5.006	64	6148	0.49	PPBV		89
10) TRICHLOROFLUOROMETHANE	5.779	101	79554	0.49	PPBV		100
11) ISOPROPYL ALCOHOL	5.836	45	32529	0.73	PPBV		93
12) ACETONE	5.600	43	30853	0.63	PPBV		86
13) PENTANE	6.138	42	15339	0.47	PPBV		86
14) 1,1-DICHLOROETHYLENE	6.415	96	16405	0.45	PPBV	#	77
15) CARBON DISULFIDE	6.846	76	49261	0.50	PPBV		92
16) ETHANOL	5.107	45	3990m	0.45	PPBV		
17) BROMOETHENE	5.359	106	16315	0.44	PPBV	#	95
18) METHYLENE CHLORIDE	6.532	84	36864	0.73	PPBV		81
19) 3-CHLOROPROPENE	6.647	39	14609	0.42	PPBV		80
20) FREON 113	6.786	151	40846	0.49	PPBV		98
21) TRANS-1,2-DICHLOROETHY...	7.460	96	16492	0.46	PPBV	#	86
22) TERTIARY BUTYL ALCOHOL	6.433	59	22603	0.40	PPBV		78
23) METHYL TERTIARY BUTYL ...	7.709	73	29210	0.41	PPBV		96
24) TETRAHYDROFURAN	9.150	42	5822	0.32	PPBV	#	73
25) HEXANE	8.656	57	18473	0.46	PPBV		95
26) VINYL ACETATE	7.776	43	18968	0.35	PPBV		92
27) 1,1-DICHLOROETHANE	7.657	63	28549	0.49	PPBV		99
28) METHYL ETHYL KETONE	8.037	43	19267	0.43	PPBV		98
29) cis-1,2-DICHLOROETHYLENE	8.456	96	9488	0.36	PPBV		91
30) ETHYL ACETATE	8.656	43	33389	0.48	PPBV		97
31) CHLOROFORM	8.743	83	42191	0.55	PPBV		99
32) 1,1,1-TRICHLOROETHANE	9.698	97	46508	0.54	PPBV		99
33) CARBON TETRACHLORIDE	10.280	117	57335	0.50	PPBV		96
34) 1,2-DICHLOROETHANE	9.446	62	21629	0.44	PPBV		94
36) BENZENE	10.142	78	26952	0.40	PPBV		89
37) CYCLOHEXANE	10.403	84	12973	0.40	PPBV	#	71
38) TRICHLOROETHYLENE	11.138	95	19381	0.45	PPBV		89
39) 1,2-DICHLOROPROPANE	10.909	63	10326	0.48	PPBV		93
40) BROMODICHLOROMETHANE	11.095	83	39049	0.51	PPBV		97
41) 2,2,4-TRIMETHYLPENTANE	11.157	57	50280	0.45	PPBV	#	87
42) 1,4-DIOXANE	11.145	88	3468m	0.32	PPBV		
43) HEPTANE	11.395	43	14594	0.36	PPBV		85

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4765.D
Acq On : 2 Oct 2007 8:59 am
Operator : danat
Sample : ic246-0.5 (M051)
Misc : MS14329,MSQ246,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 02 09:26:41 2007
Quant Method : C:\msdchem\1\METHODS\Q100207T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Oct 01 16:26:29 2007
Response via : Initial Calibration

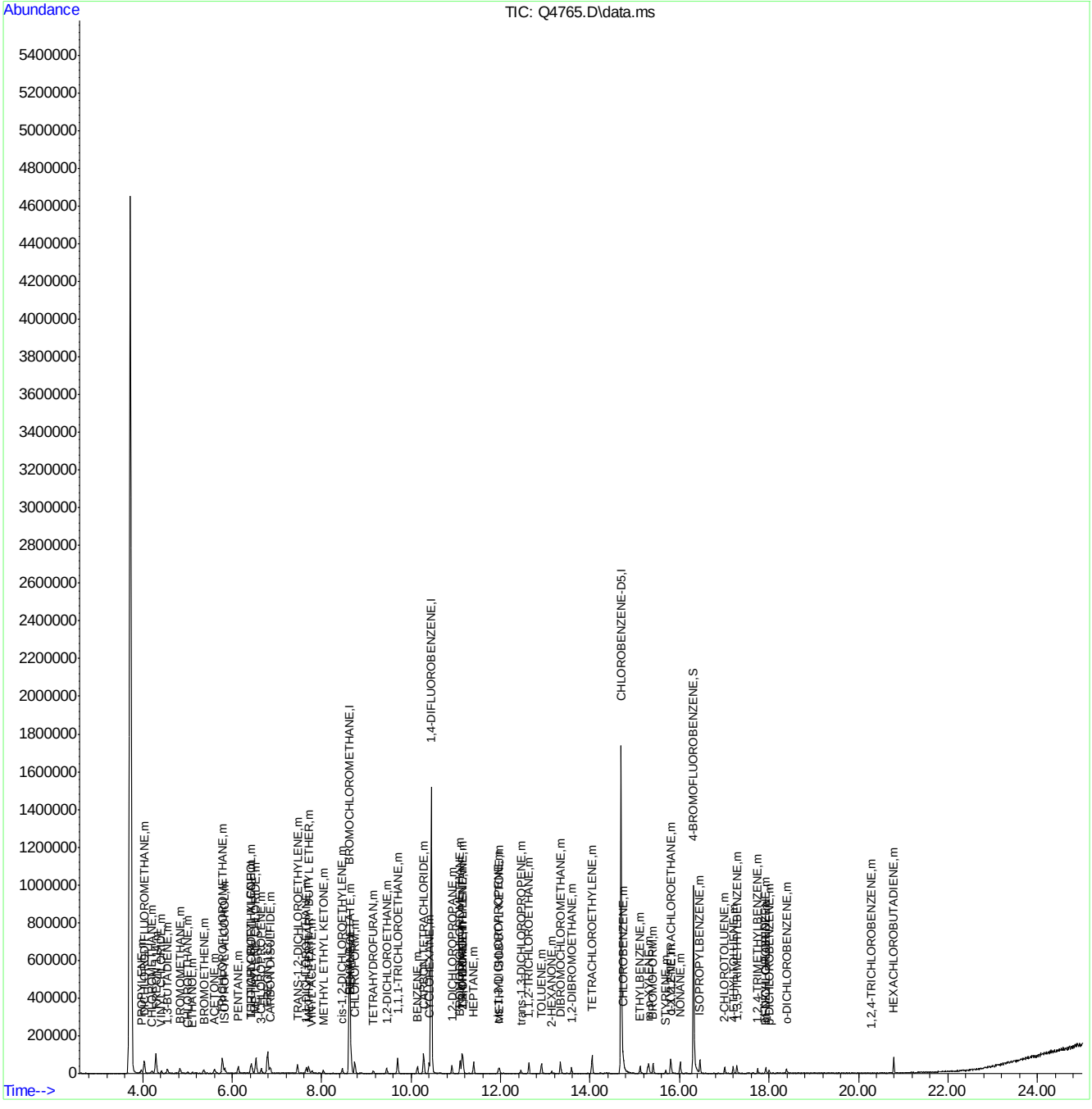
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) METHYL ISOBUTYL KETONE	11.977	43	15035	0.32	PPBV		99
45) cis-1,3-DICHLOROPROPENE	11.947	75	10658	0.31	PPBV	#	53
46) TOLUENE	12.916	92	19562	0.36	PPBV		98
47) trans-1,3-DICHLOROPROPENE	12.453	75	7964	0.25	PPBV		97
48) 1,1,2-TRICHLOROETHANE	12.635	83	11391	0.49	PPBV		98
50) 2-HEXANONE	13.141	43	7812	0.20	PPBV		96
51) TETRACHLOROETHYLENE	14.046	164	18243	0.42	PPBV		97
52) DIBROMOCHLOROMETHANE	13.342	129	29477	0.44	PPBV	#	100
53) 1,2-DIBROMOETHANE	13.585	107	15676	0.35	PPBV		96
54) CHLOROBENZENE	14.739	112	27948	0.43	PPBV		92
55) ETHYLBENZENE	15.115	91	26629	0.29	PPBV		96
56) m,p-XYLENE	15.299	106	19548	0.57	PPBV	#	58
57) o-XYLENE	15.812	106	9337	0.27	PPBV		92
58) STYRENE	15.693	104	7809	0.16	PPBV		82
59) NONANE	16.011	43	14994	0.32	PPBV		96
60) BROMOFORM	15.408	173	23410	0.37	PPBV		96
62) 1,1,2,2-TETRACHLOROETHANE	15.802	83	20782	0.39	PPBV		97
63) ISOPROPYLBENZENE	16.453	105	37705	0.34	PPBV		94
64) 2-CHLOROTOLUENE	17.007	91	19334	0.24	PPBV		97
65) 4-ETHYLTOLUENE	17.197	105	19143	0.21	PPBV		93
66) 1,3,5-TRIMETHYLBENZENE	17.278	105	21845	0.23	PPBV		93
67) 1,2,4-TRIMETHYLBENZENE	17.743	105	13513	0.18	PPBV		85
68) m-DICHLOROBENZENE	17.930	146	9884	0.19	PPBV		97
69) BENZYL CHLORIDE	17.908	91	5271	0.11	PPBV		76
70) p-DICHLOROBENZENE	18.001	146	8134	0.17	PPBV		89
71) o-DICHLOROBENZENE	18.391	146	9248	0.21	PPBV		94
72) HEXACHLOROBUTADIENE	20.783	225	12799	0.38	PPBV		98
73) 1,2,4-TRICHLOROBENZENE	20.294	180	143	0.01	PPBV		91

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4765.D
Acq On : 2 Oct 2007 8:59 am
Operator : danat
Sample : ic246-0.5 (M051)
Misc : MS14329,MSQ246,,,,,1
ALS Vial : 1 Sample Multiplier: 1

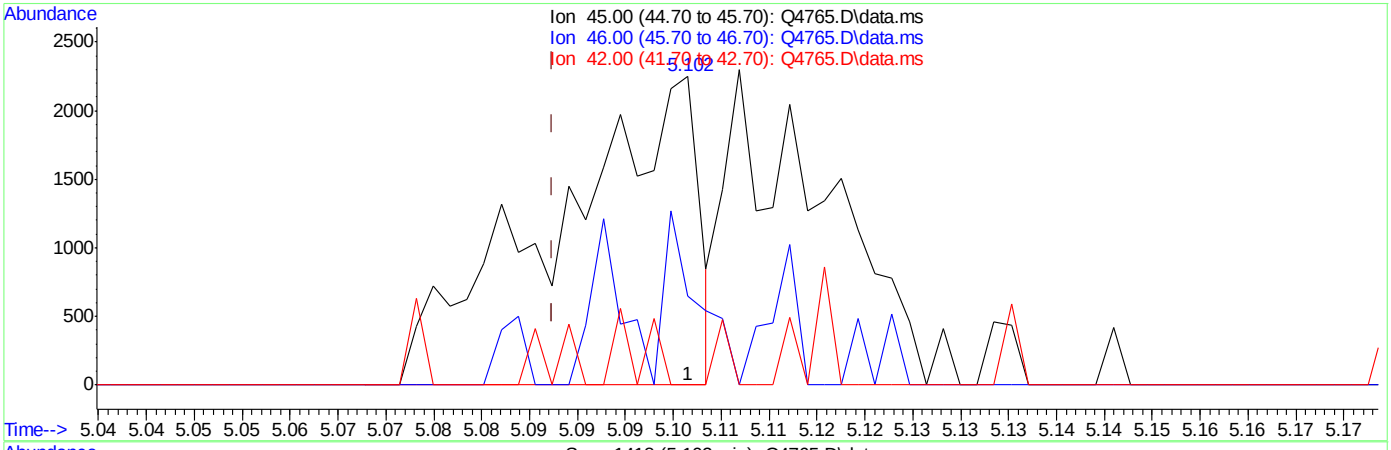
Quant Time: Oct 02 09:26:41 2007
Quant Method : C:\msdchem\1\METHODS\Q100207T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Oct 01 16:26:29 2007
Response via : Initial Calibration

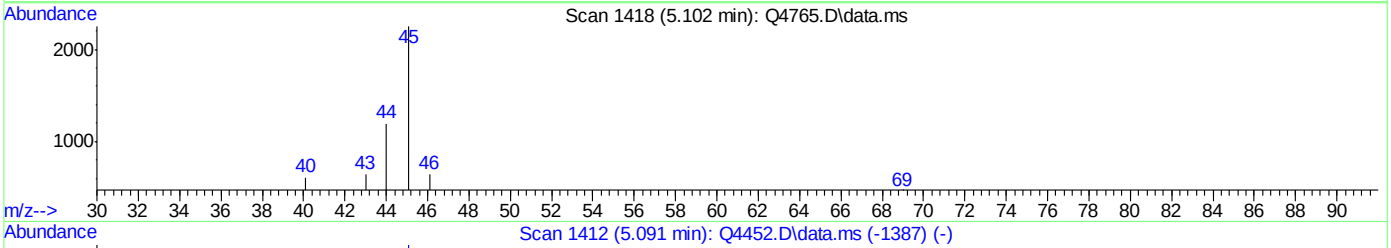


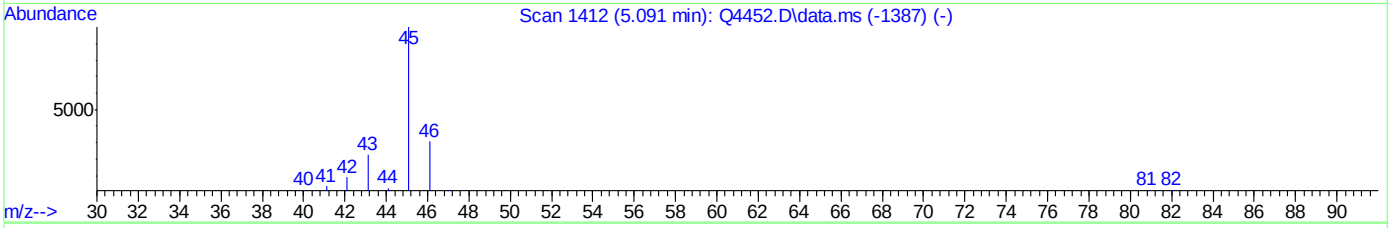
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4765.D
Acq On : 2 Oct 2007 8:59 am
Operator : danat
Sample : ic246-0.5 (M051)
Misc : MS14329,MSQ246,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 02 09:25:14 2007
Quant Method : C:\msdchem\1\METHODS\Q100207T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Oct 01 16:26:29 2007
Response via : Initial Calibration







TIC: Q4765.D\data.ms

(16) ETHANOL (m)

5.102min (+0.014) 0.27PPBV

response 2327

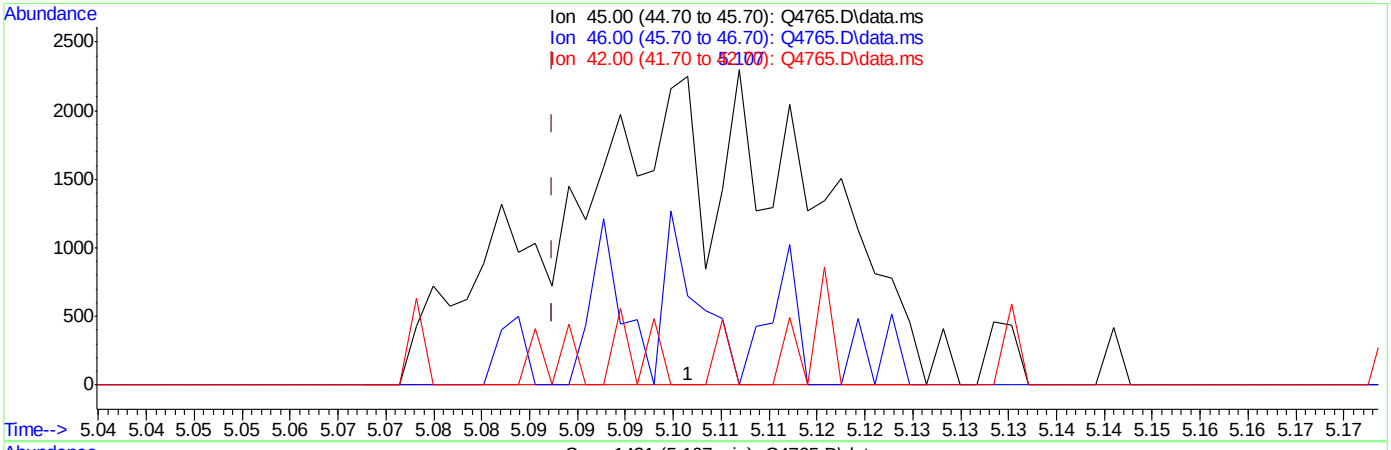
Ion	Exp%	Act%
45.00	100	100
46.00	32.80	38.07
42.00	13.10	6.49
0.00	0.00	0.00

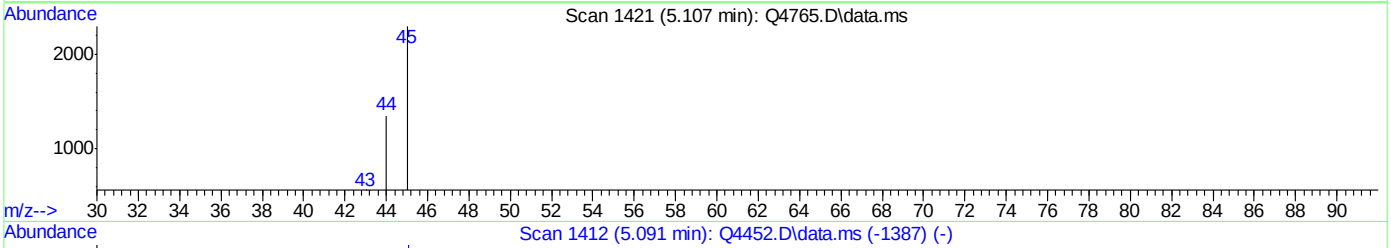
ACCUTEST Laboratories M67846

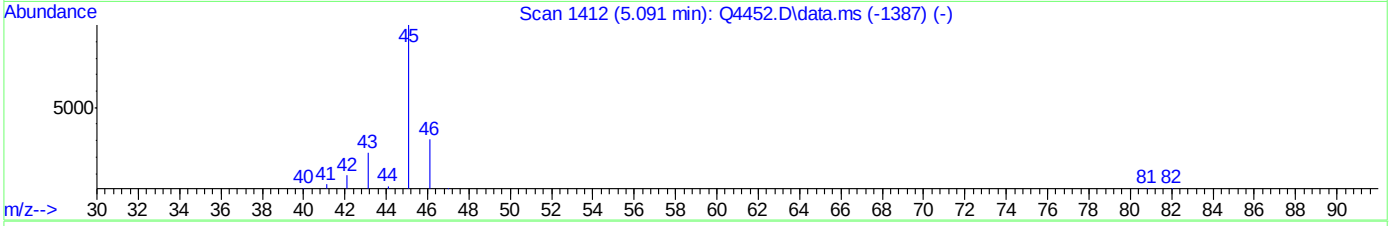
Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q4765.D
Acq On    :  2 Oct 2007   8:59 am
Operator  : danat
Sample    : ic246-0.5 (M051)
Misc      : MS14329,MSQ246,,,,,1
ALS Vial  : 1   Sample Multiplier: 1

Quant Time: Oct 02 09:25:14 2007
Quant Method : C:\msdchem\1\METHODS\Q100207T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Oct 01 16:26:29 2007
Response via : Initial Calibration
```





TIC: Q4765.D\data.ms

(16) ETHANOL (m)

5.107min (+0.019) 0.45PPBV m

response 3990

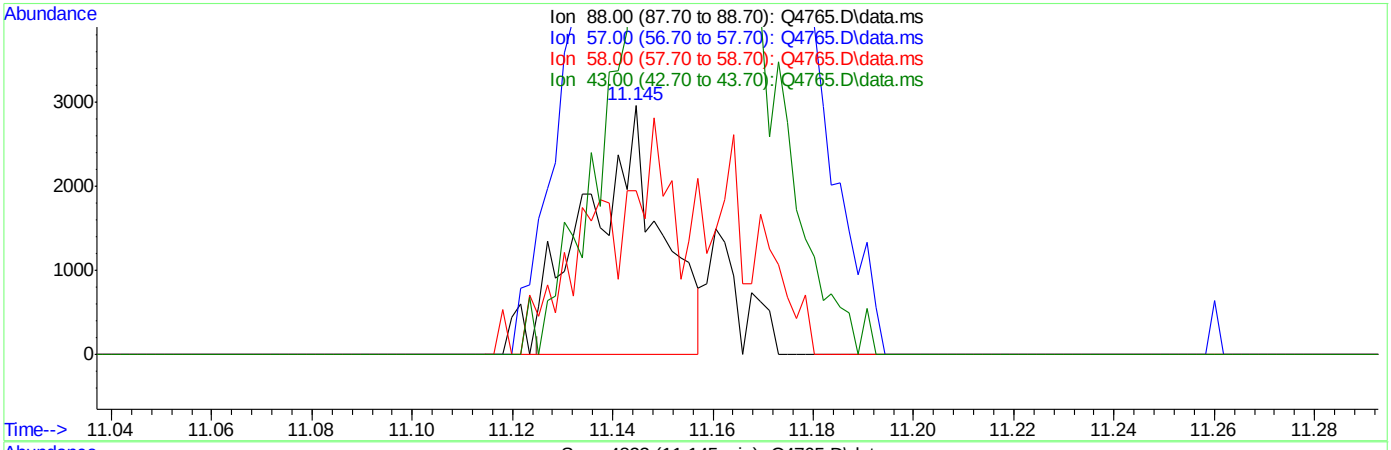
Ion	Exp%	Act%
45.00	100	100
46.00	32.80	22.21
42.00	13.10	3.78
0.00	0.00	0.00

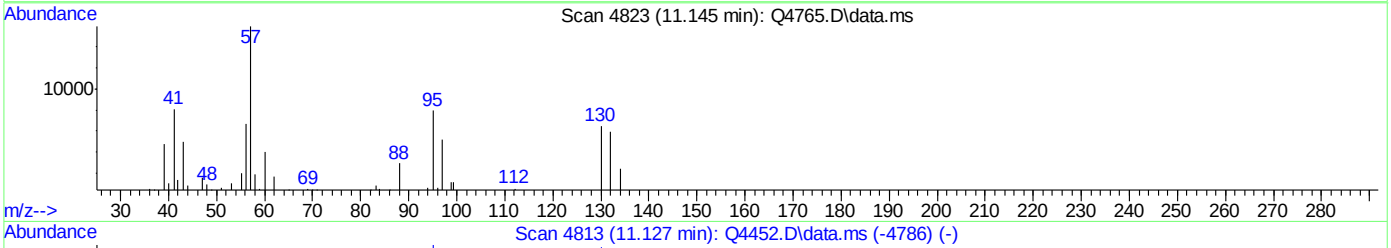
ACCUTEST Laboratories M67846

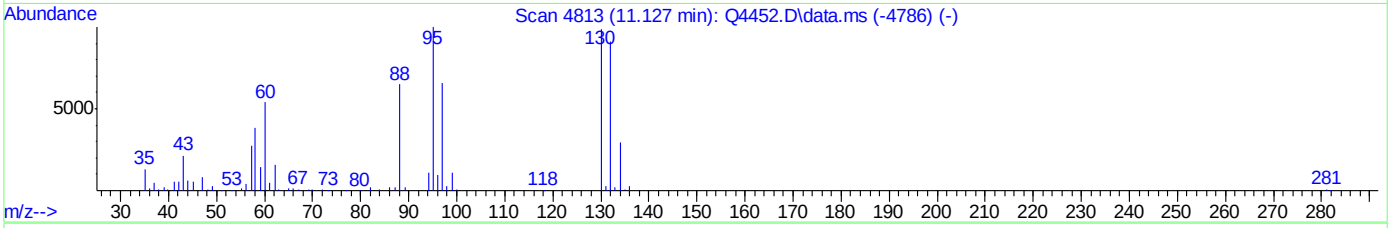
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4765.D
Acq On : 2 Oct 2007 8:59 am
Operator : danat
Sample : ic246-0.5 (M051)
Misc : MS14329,MSQ246,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 02 09:25:14 2007
Quant Method : C:\msdchem\1\METHODS\Q100207T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Oct 01 16:26:29 2007
Response via : Initial Calibration







TIC: Q4765.D\data.ms

(42) 1,4-DIOXANE (m)

11.145min (+0.019) 0.29PPBV

response 3089

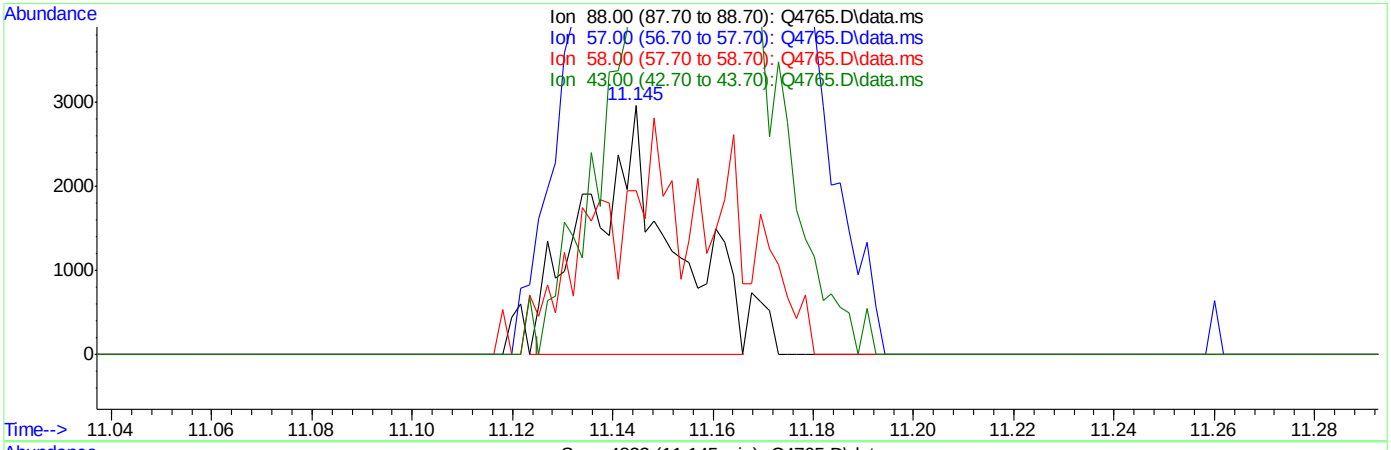
Ion	Exp%	Act%
88.00	100	100
57.00	40.40	538.71#
58.00	66.50	65.62
43.00	55.90	168.15#

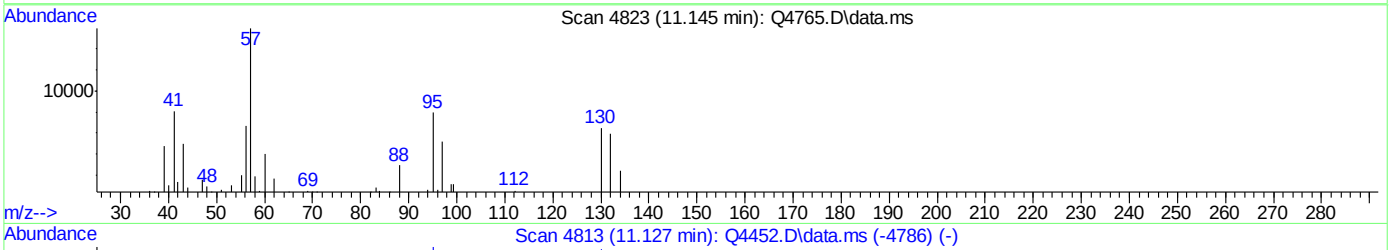
ACCUTEST Laboratories M67846

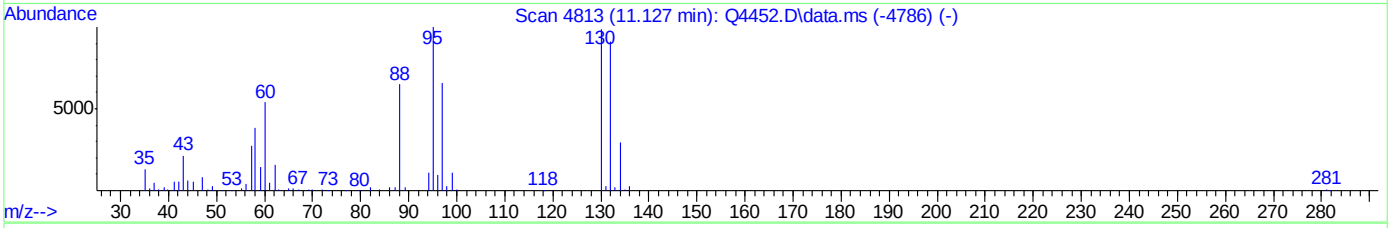
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4765.D
Acq On : 2 Oct 2007 8:59 am
Operator : danat
Sample : ic246-0.5 (M051)
Misc : MS14329,MSQ246,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 02 09:25:14 2007
Quant Method : C:\msdchem\1\METHODS\Q100207T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Oct 01 16:26:29 2007
Response via : Initial Calibration







TIC: Q4765.D\data.ms

(42) 1,4-DIOXANE (m)

11.145min (+0.019) 0.32PPBV m

response 3468

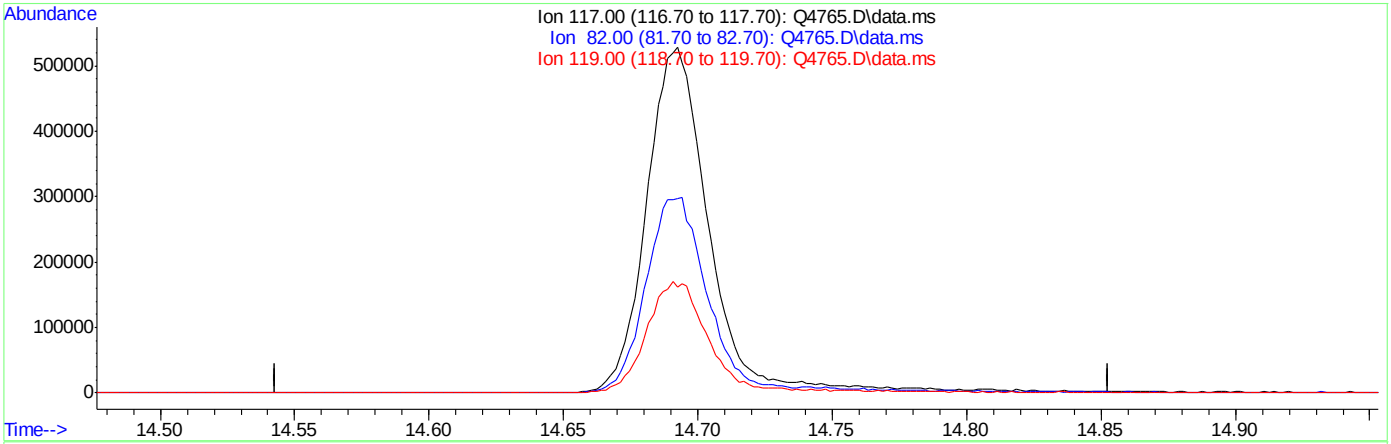
Ion	Exp%	Act%
88.00	100	100
57.00	40.40	538.71#
58.00	66.50	65.62
43.00	55.90	168.15#

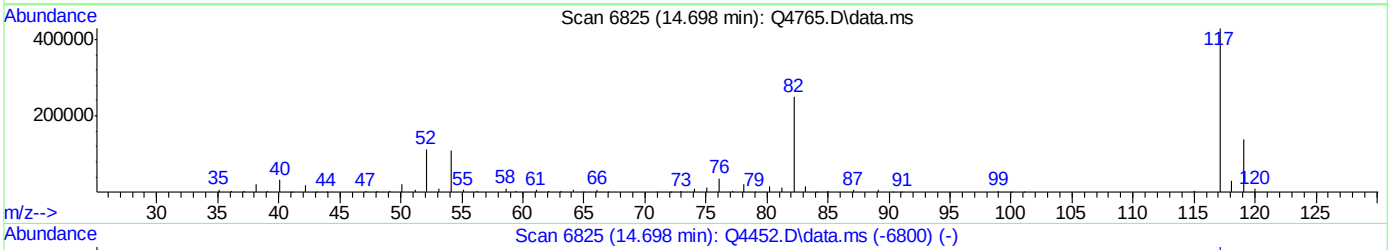
ACCUTEST Laboratories M67846

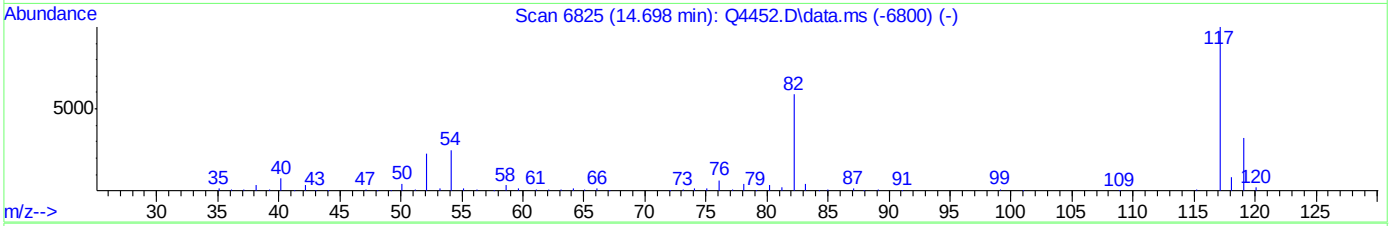
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4765.D
Acq On : 2 Oct 2007 8:59 am
Operator : danat
Sample : ic246-0.5 (M051)
Misc : MS14329,MSQ246,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 02 09:25:14 2007
Quant Method : C:\msdchem\1\METHODS\Q100207T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Oct 01 16:26:29 2007
Response via : Initial Calibration







TIC: Q4765.D\data.ms

(49) CHLOROBENZENE-D5 (I)

14.698min (-14.698) 0.00PPBV

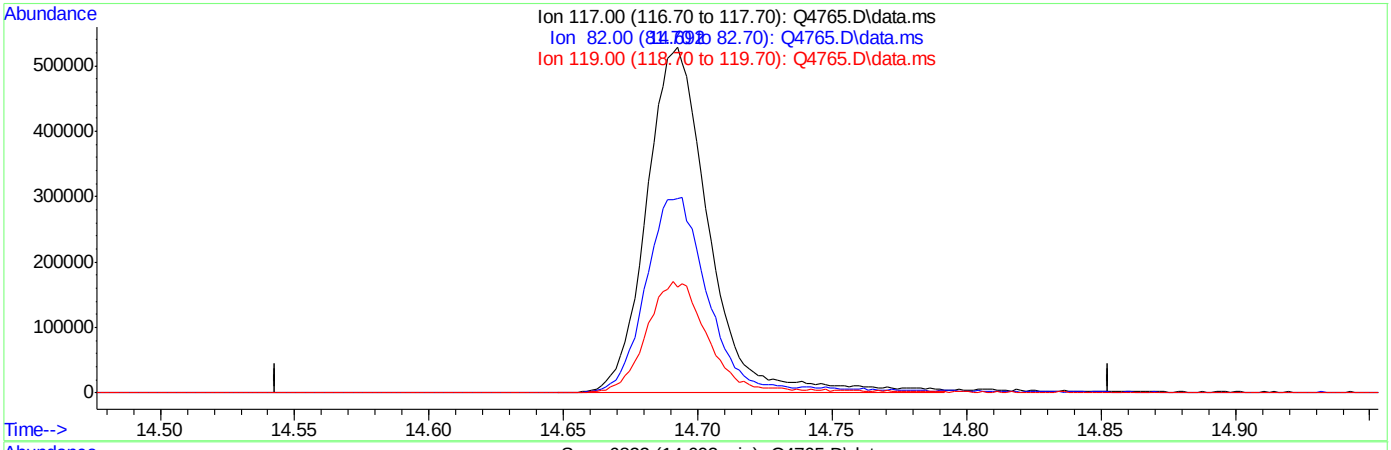
response 0

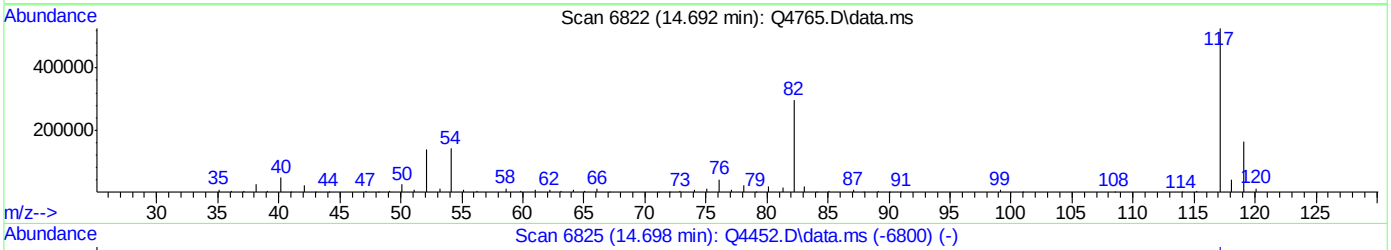
Ion	Exp%	Act%
117.00	100	0.00
82.00	68.40	0.00#
119.00	32.10	0.00#
0.00	0.00	0.00

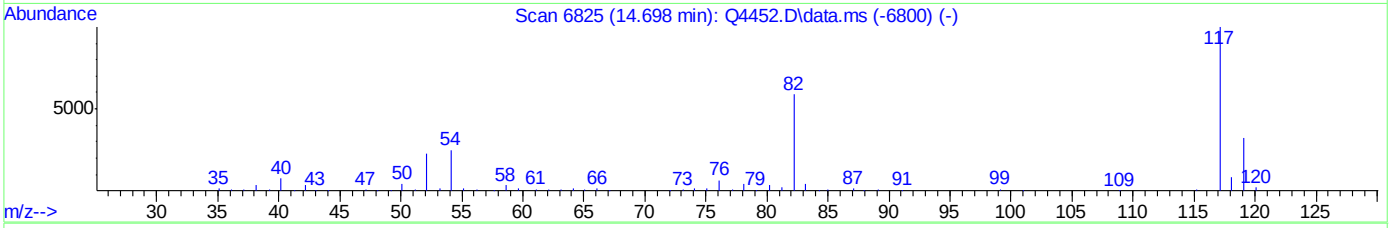
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4765.D
Acq On : 2 Oct 2007 8:59 am
Operator : danat
Sample : ic246-0.5 (M051)
Misc : MS14329,MSQ246,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 02 09:25:14 2007
Quant Method : C:\msdchem\1\METHODS\Q100207T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Oct 01 16:26:29 2007
Response via : Initial Calibration







TIC: Q4765.D\data.ms

(49) CHLOROBENZENE-D5 (I)

14.692min (-0.005) 10.00PPBV m

response 853864

Ion	Exp%	Act%
117.00	100	100
82.00	68.40	0.00#
119.00	32.10	0.00#
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Philip Bassignani
10/03/07 13:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4766.D
Acq On : 2 Oct 2007 9:44 am
Operator : danat
Sample : ic246-0.2 (M051)
Misc : MS14329,MSQ246,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 02 10:14:42 2007
Quant Method : C:\msdchem\1\METHODS\Q100207T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Oct 01 16:26:29 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.621	128	231609	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.447	114	1099899	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.692	117	889298m	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.311	95	294328	4.29	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 85.80%

Target Compounds							Qvalue
2) DICHLORODIFLUOROMETHANE	4.031	85	36246	0.21	PPBV		88
3) PROPYLENE	3.964	41	3600m	0.15	PPBV		
4) FREON 114	4.283	85	27043	0.20	PPBV		91
5) CHLOROMETHANE	4.202	50	6190m	0.20	PPBV		
6) VINYL CHLORIDE	4.422	62	6110	0.17	PPBV		91
7) 1,3-BUTADIENE	4.562	39	5180	0.17	PPBV		92
8) BROMOMETHANE	4.821	94	7928	0.19	PPBV		98
9) CHLOROETHANE	4.999	64	1977	0.15	PPBV	#	53
10) TRICHLOROFLUOROMETHANE	5.781	101	34203	0.19	PPBV		97
11) ISOPROPYL ALCOHOL	5.843	45	10197	0.21	PPBV		94
12) ACETONE	5.611	43	15569	0.29	PPBV		88
13) PENTANE	6.133	42	7344	0.21	PPBV	#	72
14) 1,1-DICHLOROETHYLENE	6.418	96	7167	0.18	PPBV	#	71
15) CARBON DISULFIDE	6.853	76	21881	0.20	PPBV		86
16) ETHANOL	5.102	45	2277	0.24	PPBV	#	58
17) BROMOETHENE	5.357	106	7057	0.18	PPBV	#	87
18) METHYLENE CHLORIDE	6.534	84	18761	0.34	PPBV		82
19) 3-CHLOROPROPENE	6.653	39	6398	0.17	PPBV		84
20) FREON 113	6.796	151	18387	0.20	PPBV		94
21) TRANS-1,2-DICHLOROETHY...	7.460	96	7625	0.20	PPBV	#	75
22) TERTIARY BUTYL ALCOHOL	6.449	59	10473	0.17	PPBV		92
23) METHYL TERTIARY BUTYL ...	7.712	73	13573	0.17	PPBV		94
24) TETRAHYDROFURAN	9.159	42	1828	0.09	PPBV	#	37
25) HEXANE	8.656	57	7626	0.18	PPBV		88
26) VINYL ACETATE	7.789	43	9128	0.15	PPBV		67
27) 1,1-DICHLOROETHANE	7.654	63	12477	0.20	PPBV		78
28) METHYL ETHYL KETONE	8.041	43	8352	0.17	PPBV		88
29) cis-1,2-DICHLOROETHYLENE	8.450	96	4008	0.14	PPBV	#	1
30) ETHYL ACETATE	8.665	43	13509	0.18	PPBV	#	96
31) CHLOROFORM	8.736	83	17778	0.21	PPBV		95
32) 1,1,1-TRICHLOROETHANE	9.700	97	18834	0.20	PPBV		94
33) CARBON TETRACHLORIDE	10.282	117	23746	0.19	PPBV		100
34) 1,2-DICHLOROETHANE	9.450	62	9718	0.18	PPBV		98
36) BENZENE	10.137	78	10964	0.15	PPBV		89
37) CYCLOHEXANE	10.408	84	2987	0.09	PPBV	#	85
38) TRICHLOROETHYLENE	11.139	95	7072	0.15	PPBV		90
39) 1,2-DICHLOROPROPANE	10.910	63	4414	0.19	PPBV		96
40) BROMODICHLOROMETHANE	11.097	83	16302	0.20	PPBV		100
41) 2,2,4-TRIMETHYLPENTANE	11.159	57	16260	0.13	PPBV		89
42) 1,4-DIOXANE	11.146	88	1371m	0.12	PPBV		
43) HEPTANE	11.393	43	4878	0.11	PPBV		85

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4766.D
Acq On : 2 Oct 2007 9:44 am
Operator : danat
Sample : ic246-0.2 (M051)
Misc : MS14329,MSQ246,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 02 10:14:42 2007
Quant Method : C:\msdchem\1\METHODS\Q100207T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Oct 01 16:26:29 2007
Response via : Initial Calibration

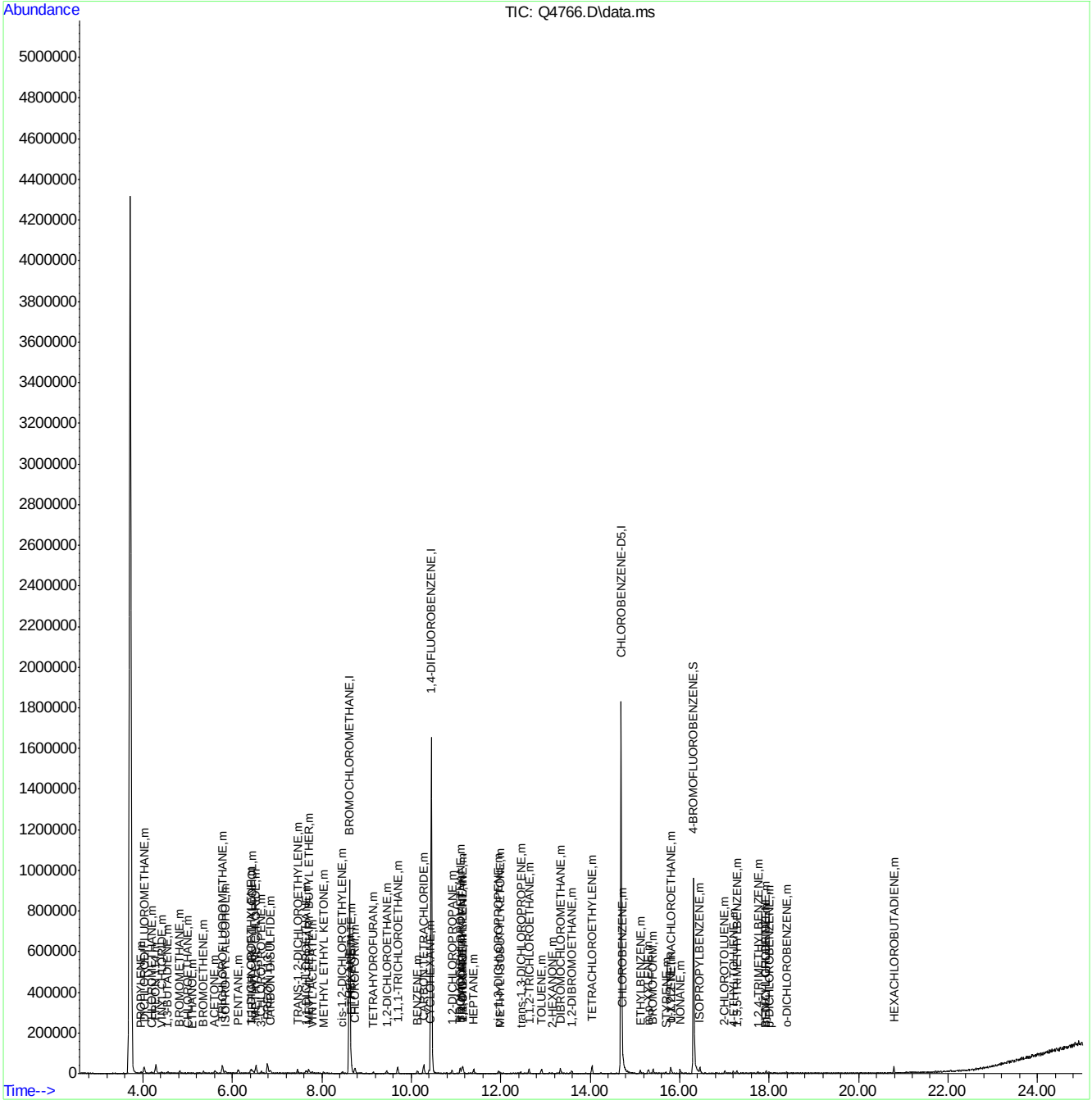
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.982	43	5514	0.11	PPBV	95
45) cis-1,3-DICHLOROPROPENE	11.950	75	4328	0.12	PPBV #	58
46) TOLUENE	12.912	92	7887	0.13	PPBV	96
47) trans-1,3-DICHLOROPROPENE	12.451	75	2999	0.09	PPBV	89
48) 1,1,2-TRICHLOROETHANE	12.634	83	4716	0.19	PPBV	98
50) 2-HEXANONE	13.152	43	3294	0.08	PPBV #	59
51) TETRACHLOROETHYLENE	14.046	164	7864	0.17	PPBV	92
52) DIBROMOCHLOROMETHANE	13.344	129	12618	0.18	PPBV #	100
53) 1,2-DIBROMOETHANE	13.585	107	6806	0.15	PPBV #	99
54) CHLOROBENZENE	14.733	112	12428	0.18	PPBV	93
55) ETHYLBENZENE	15.122	91	10068	0.10	PPBV	92
56) m,p-XYLENE	15.298	106	6921m	0.20	PPBV	
57) o-XYLENE	15.810	106	3237	0.09	PPBV #	80
58) STYRENE	15.688	104	2945	0.06	PPBV #	32
59) NONANE	16.007	43	4761	0.10	PPBV #	86
60) BROMOFORM	15.409	173	9982	0.15	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.805	83	9057	0.16	PPBV #	27
63) ISOPROPYLBENZENE	16.456	105	13262	0.12	PPBV	91
64) 2-CHLOROTOLUENE	17.003	91	6818	0.08	PPBV	91
65) 4-ETHYLTOLUENE	17.197	105	6803	0.07	PPBV	95
66) 1,3,5-TRIMETHYLBENZENE	17.276	105	7233	0.07	PPBV	87
67) 1,2,4-TRIMETHYLBENZENE	17.749	105	5388	0.07	PPBV	95
68) m-DICHLOROBENZENE	17.935	146	3117	0.06	PPBV	96
69) BENZYL CHLORIDE	17.915	91	1367	0.03	PPBV #	68
70) p-DICHLOROBENZENE	18.001	146	2203	0.04	PPBV	96
71) o-DICHLOROBENZENE	18.391	146	3240	0.07	PPBV	97
72) HEXACHLOROBUTADIENE	20.790	225	4797	0.14	PPBV	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4766.D
Acq On : 2 Oct 2007 9:44 am
Operator : danat
Sample : ic246-0.2 (M051)
Misc : MS14329,MSQ246,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 02 10:14:42 2007
Quant Method : C:\msdchem\1\METHODS\Q100207T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Oct 01 16:26:29 2007
Response via : Initial Calibration

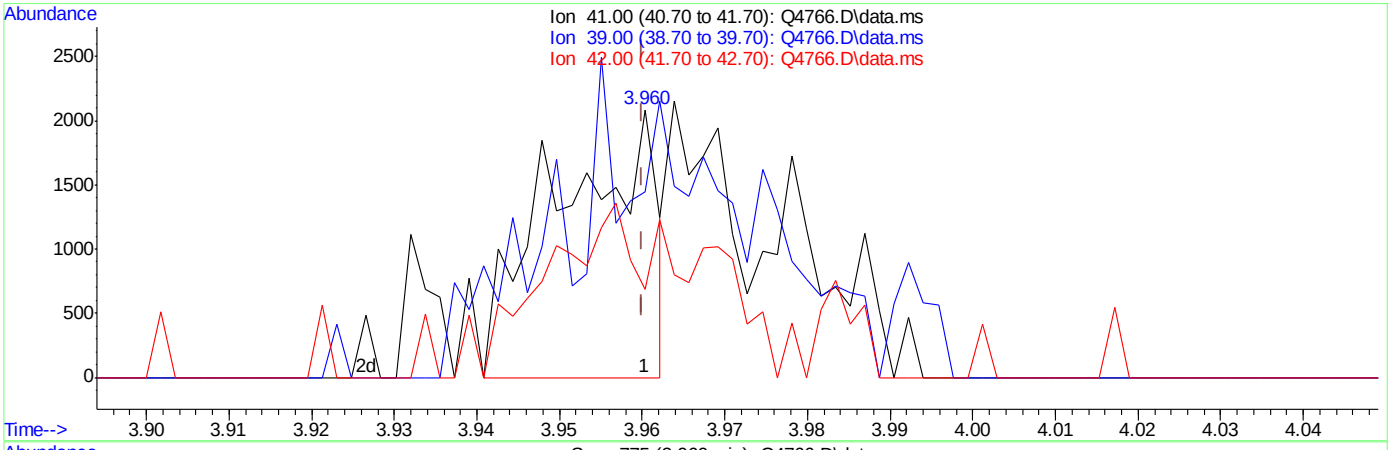


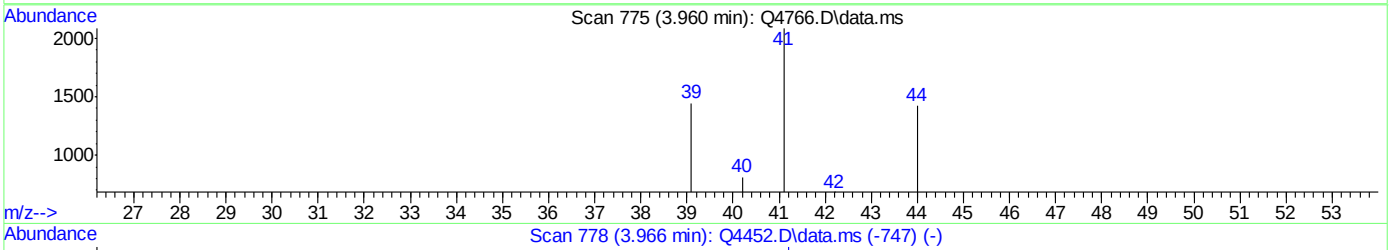
ACCUTEST Laboratories M67846

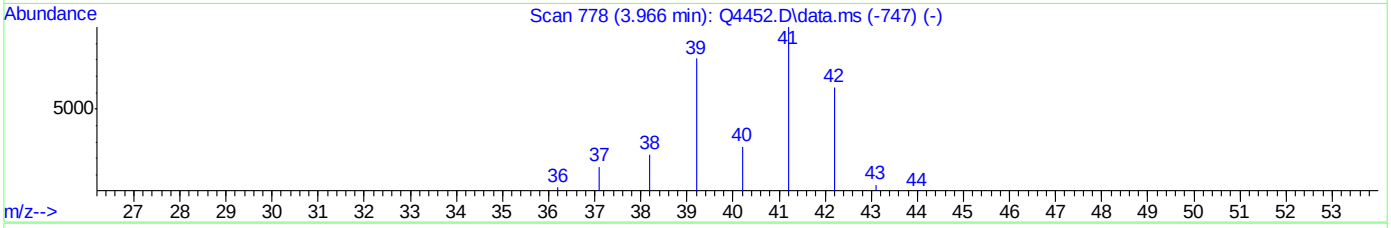
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4766.D
Acq On : 2 Oct 2007 9:44 am
Operator : danat
Sample : ic246-0.2 (M051)
Misc : MS14329,MSQ246,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 02 10:12:29 2007
Quant Method : C:\msdchem\1\METHODS\Q100207T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Oct 01 16:26:29 2007
Response via : Initial Calibration







TIC: Q4766.D\data.ms

(3) PROPYLENE (m)

3.960min (+0.000) 0.07PPBV

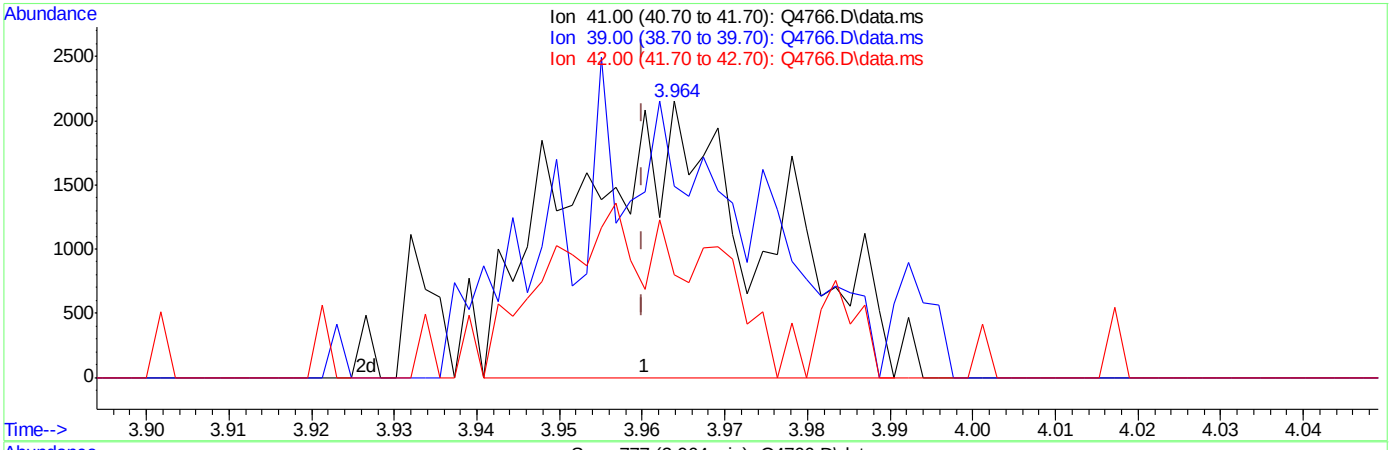
response 1735

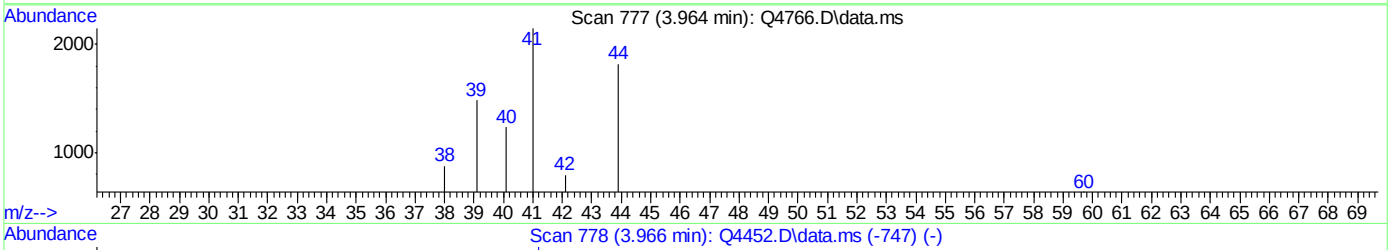
Ion	Exp%	Act%
41.00	100	100
39.00	96.30	69.39#
42.00	65.40	32.82#
0.00	0.00	0.00

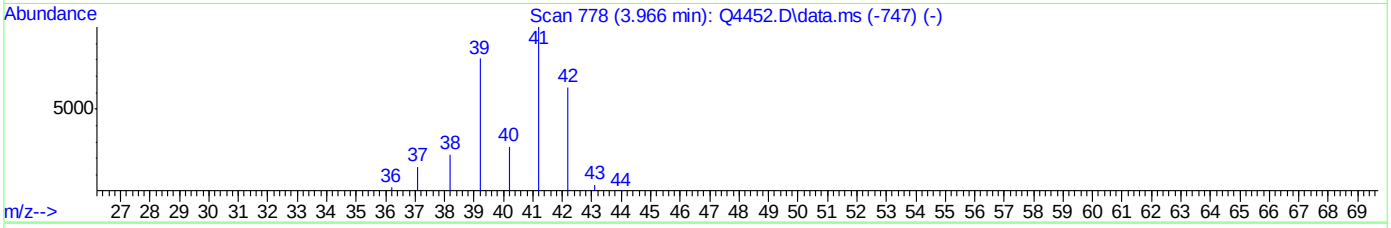
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4766.D
Acq On : 2 Oct 2007 9:44 am
Operator : danat
Sample : ic246-0.2 (M051)
Misc : MS14329,MSQ246,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 02 10:12:29 2007
Quant Method : C:\msdchem\1\METHODS\Q100207T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Oct 01 16:26:29 2007
Response via : Initial Calibration







TIC: Q4766.D\data.ms

(3) PROPYLENE (m)

3.964min (+0.004) 0.15PPBV m

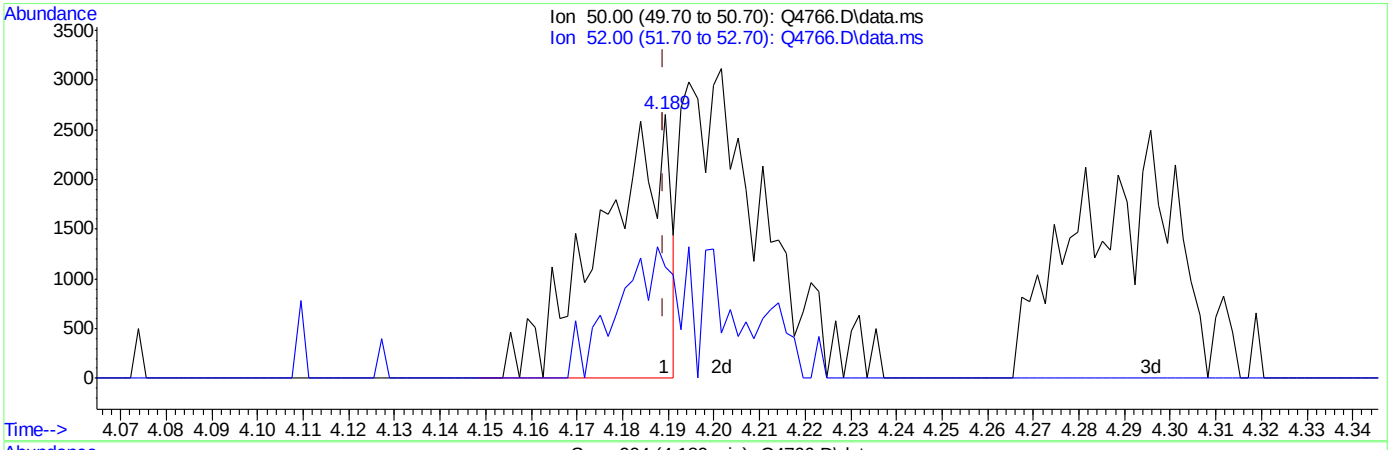
response 3600

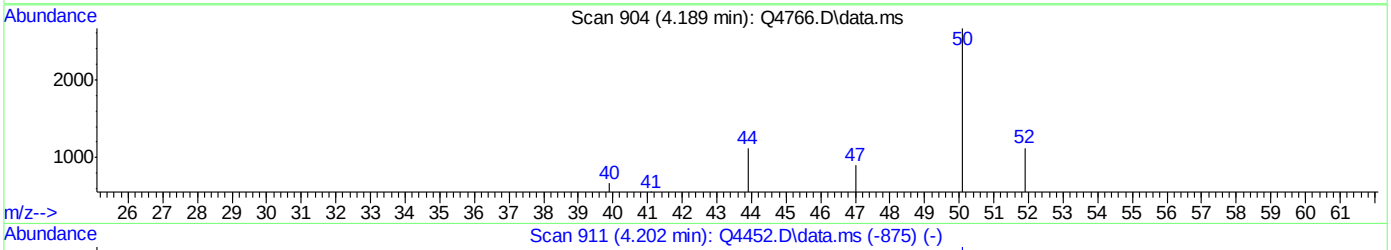
Ion	Exp%	Act%
41.00	100	100
39.00	96.30	69.19#
42.00	65.40	36.99#
0.00	0.00	0.00

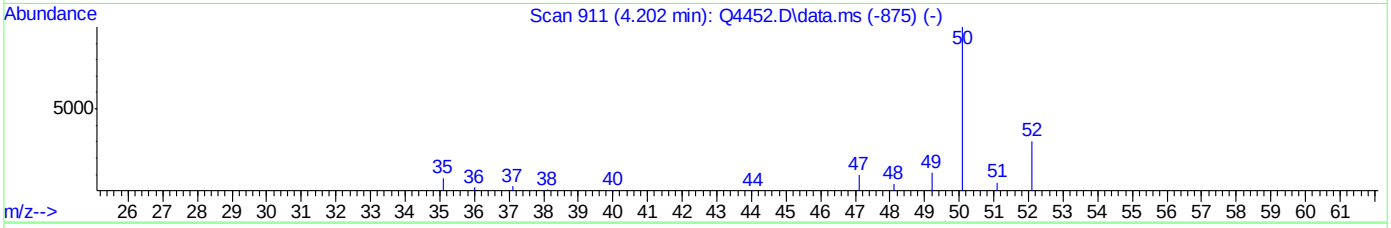
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4766.D
Acq On : 2 Oct 2007 9:44 am
Operator : danat
Sample : ic246-0.2 (M051)
Misc : MS14329,MSQ246,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 02 10:12:29 2007
Quant Method : C:\msdchem\1\METHODS\Q100207T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Oct 01 16:26:29 2007
Response via : Initial Calibration







TIC: Q4766.D\data.ms

(5) CHLOROMETHANE (m)

4.189min (+0.000) 0.09PPBV

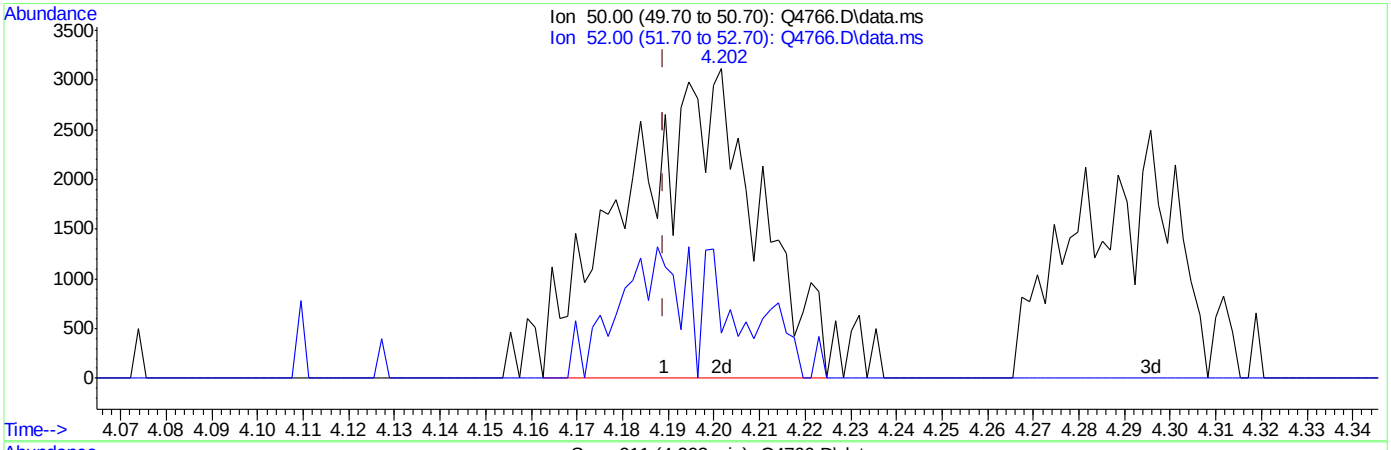
response 2810

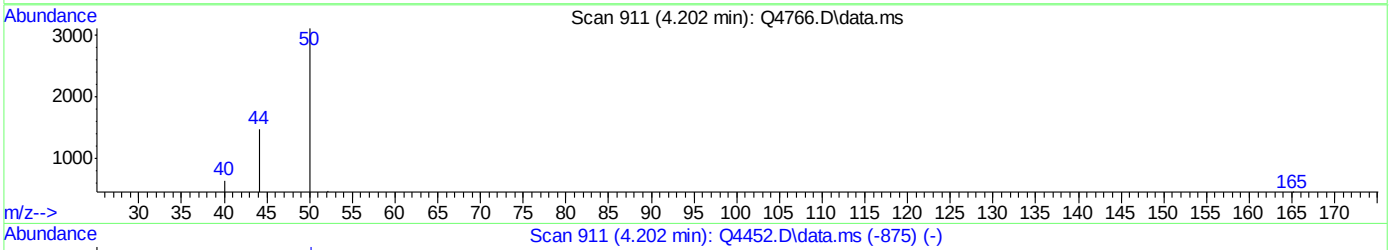
Ion	Exp%	Act%
50.00	100	100
52.00	32.70	31.11
0.00	0.00	0.00
0.00	0.00	0.00

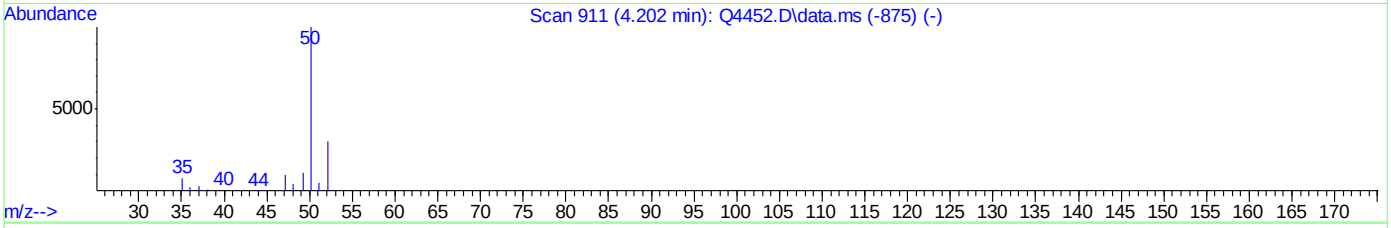
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4766.D
Acq On : 2 Oct 2007 9:44 am
Operator : danat
Sample : ic246-0.2 (M051)
Misc : MS14329,MSQ246,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 02 10:12:29 2007
Quant Method : C:\msdchem\1\METHODS\Q100207T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Oct 01 16:26:29 2007
Response via : Initial Calibration







TIC: Q4766.D\data.ms

(5) CHLOROMETHANE (m)

4.202min (+0.013) 0.20PPBV m

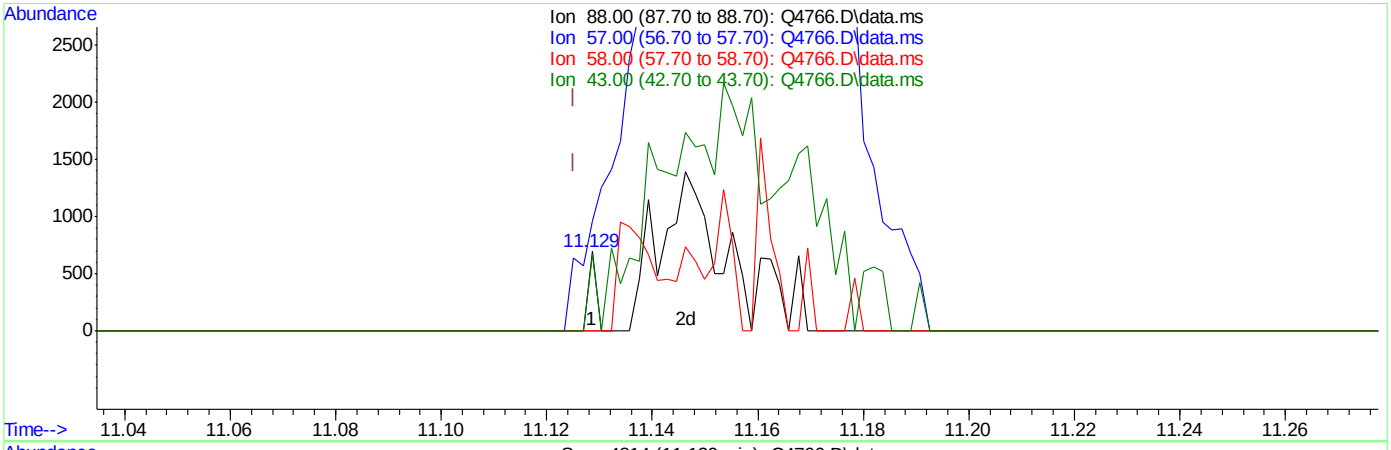
response 6190

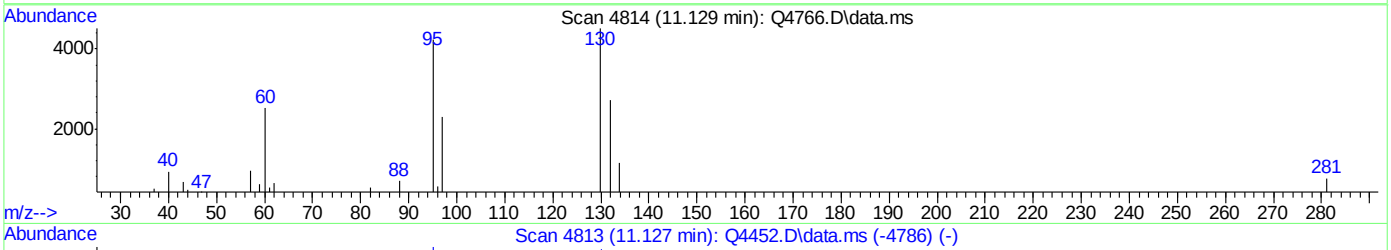
Ion	Exp%	Act%
50.00	100	100
52.00	32.70	14.70
0.00	0.00	0.00
0.00	0.00	0.00

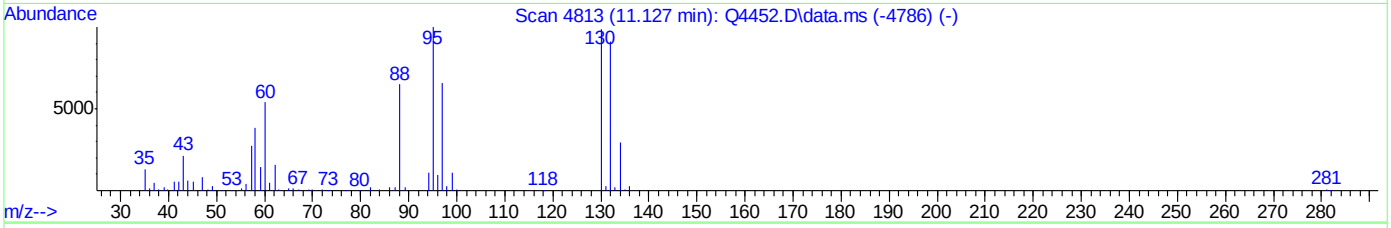
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4766.D
Acq On : 2 Oct 2007 9:44 am
Operator : danat
Sample : ic246-0.2 (M051)
Misc : MS14329,MSQ246,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 02 10:12:29 2007
Quant Method : C:\msdchem\1\METHODS\Q100207T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Oct 01 16:26:29 2007
Response via : Initial Calibration







TIC: Q4766.D\data.ms

(42) 1,4-DIOXANE (m)

11.129min (+0.003) 0.01PPBV

response 74

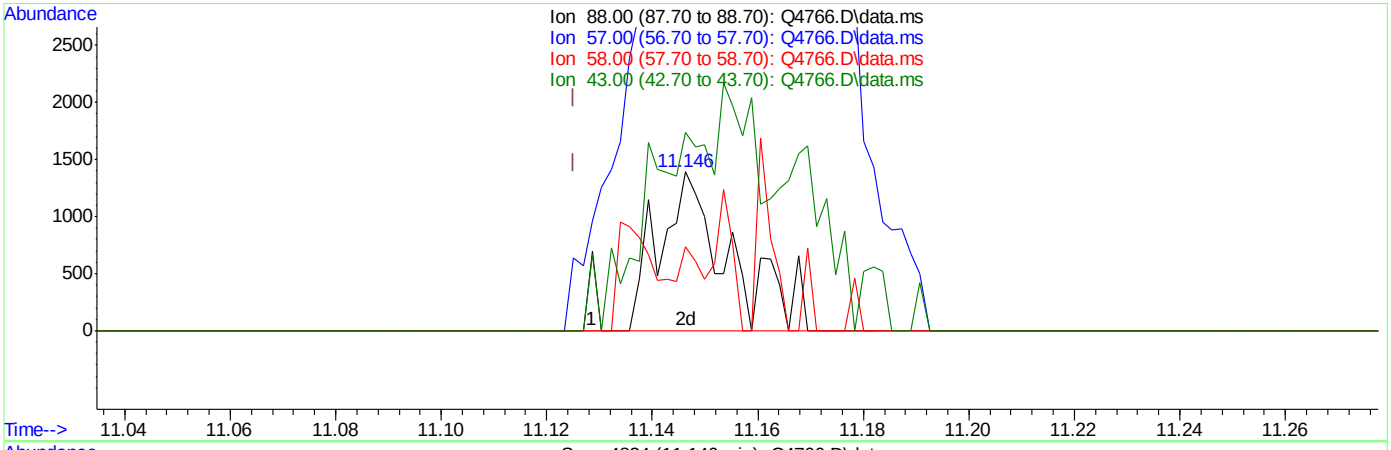
Ion	Exp%	Act%
88.00	100	100
57.00	40.40	137.90#
58.00	66.50	0.00#
43.00	55.90	96.25#

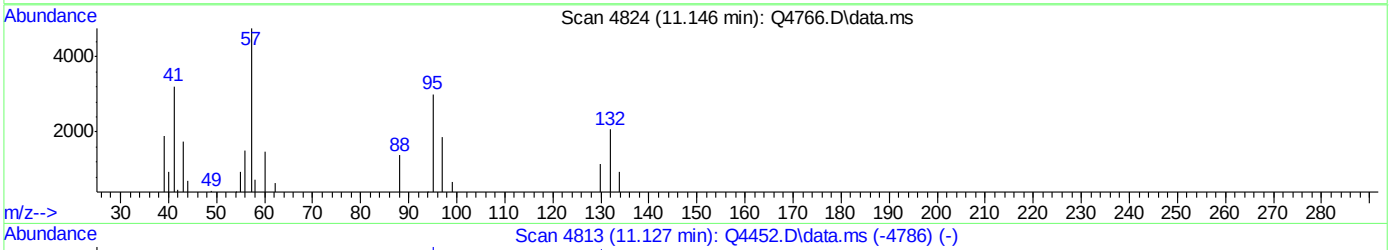
ACCUTEST Laboratories M67846

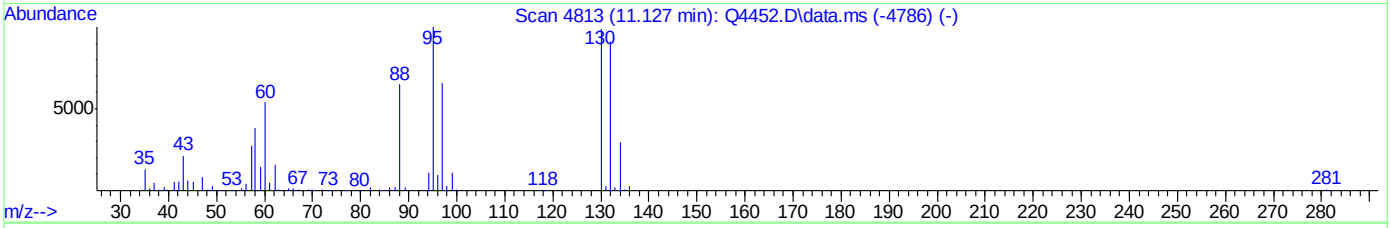
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4766.D
Acq On : 2 Oct 2007 9:44 am
Operator : danat
Sample : ic246-0.2 (M051)
Misc : MS14329,MSQ246,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 02 10:12:29 2007
Quant Method : C:\msdchem\1\METHODS\Q100207T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Oct 01 16:26:29 2007
Response via : Initial Calibration







TIC: Q4766.D\data.ms

(42) 1,4-DIOXANE (m)

11.146min (+0.021) 0.12PPBV m

response 1371

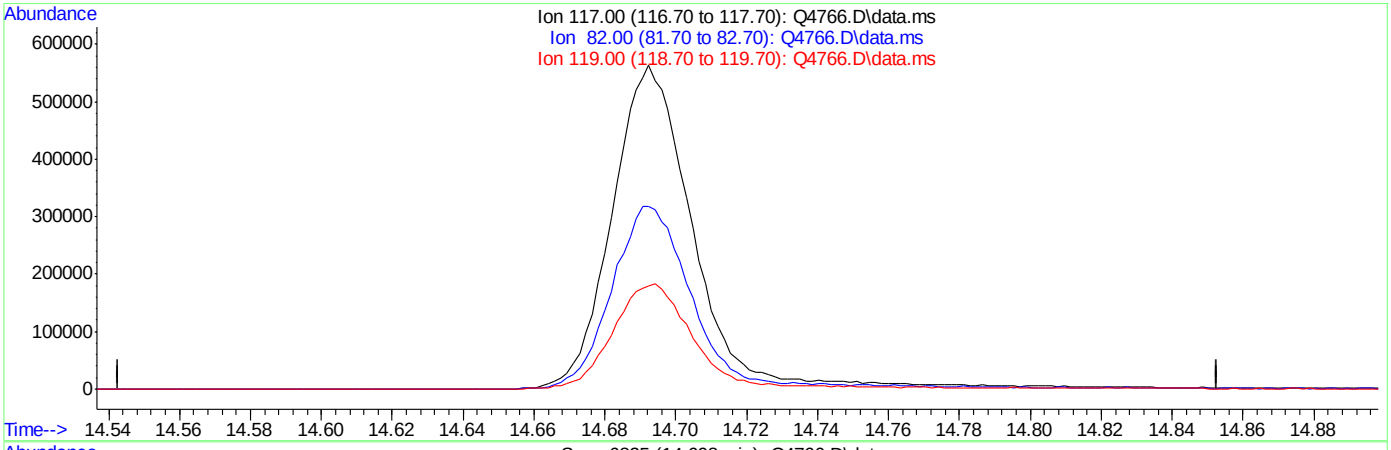
Ion	Exp%	Act%
88.00	100	100
57.00	40.40	341.08#
58.00	66.50	53.24
43.00	55.90	124.96#

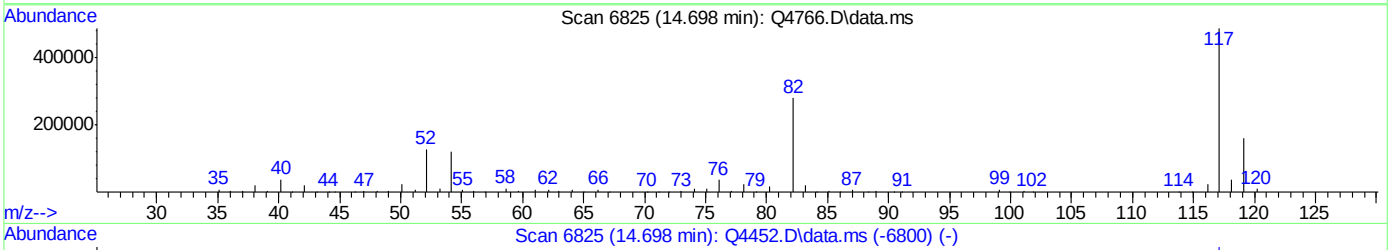
ACCUTEST Laboratories M67846

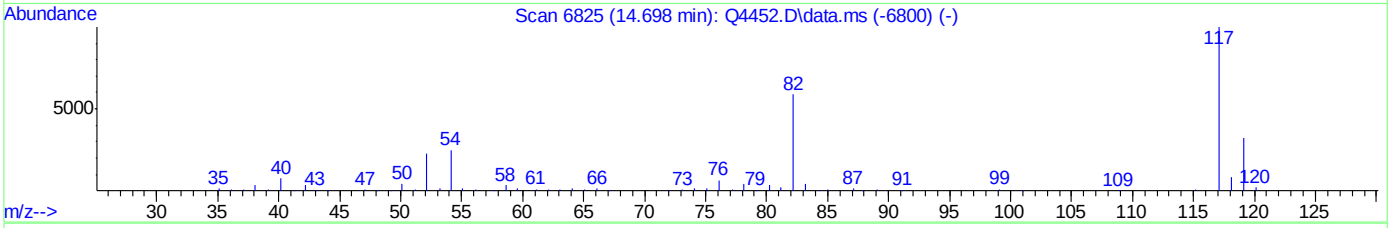
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4766.D
Acq On : 2 Oct 2007 9:44 am
Operator : danat
Sample : ic246-0.2 (M051)
Misc : MS14329,MSQ246,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 02 10:12:29 2007
Quant Method : C:\msdchem\1\METHODS\Q100207T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Oct 01 16:26:29 2007
Response via : Initial Calibration







TIC: Q4766.D\data.ms

(49) CHLOROBENZENE-D5 (I)

14.698min (-14.698) 0.00PPBV

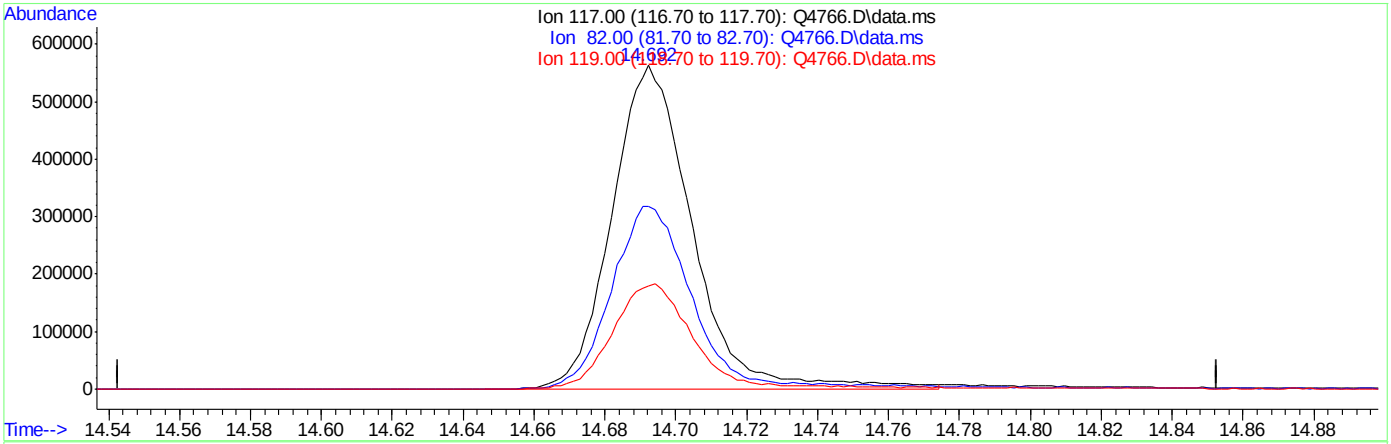
response 0

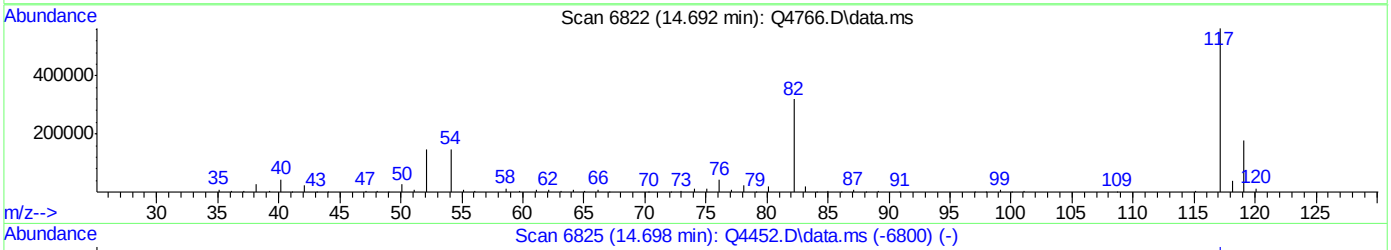
Ion	Exp%	Act%
117.00	100	0.00
82.00	68.40	0.00#
119.00	32.10	0.00#
0.00	0.00	0.00

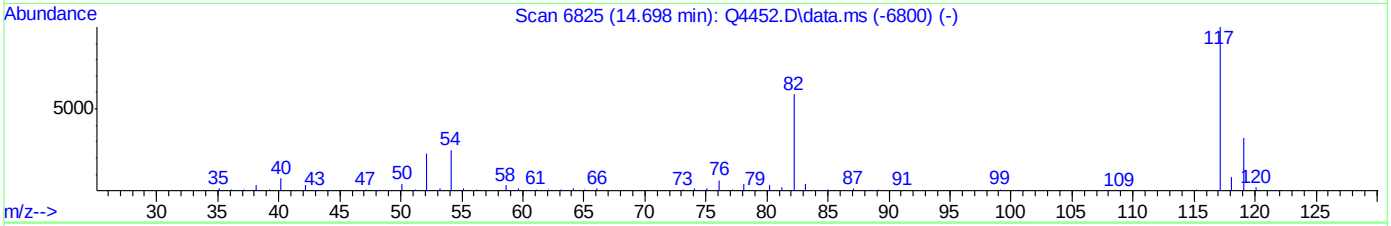
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4766.D
Acq On : 2 Oct 2007 9:44 am
Operator : danat
Sample : ic246-0.2 (M051)
Misc : MS14329,MSQ246,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 02 10:12:29 2007
Quant Method : C:\msdchem\1\METHODS\Q100207T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Oct 01 16:26:29 2007
Response via : Initial Calibration







TIC: Q4766.D\data.ms

(49) CHLOROBENZENE-D5 (I)

14.692min (-0.005) 10.00PPBV m

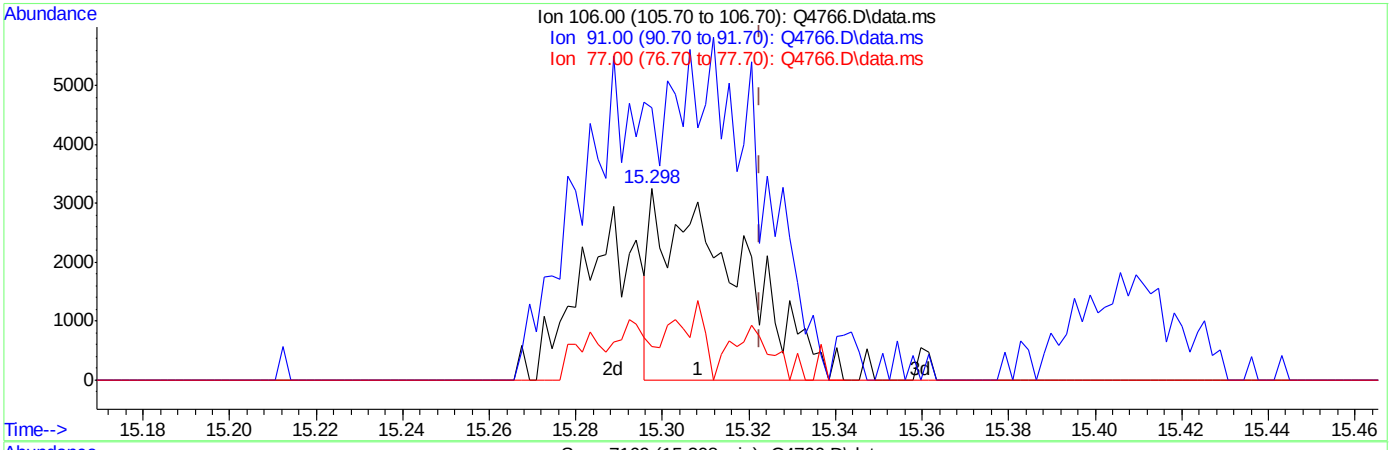
response 889298

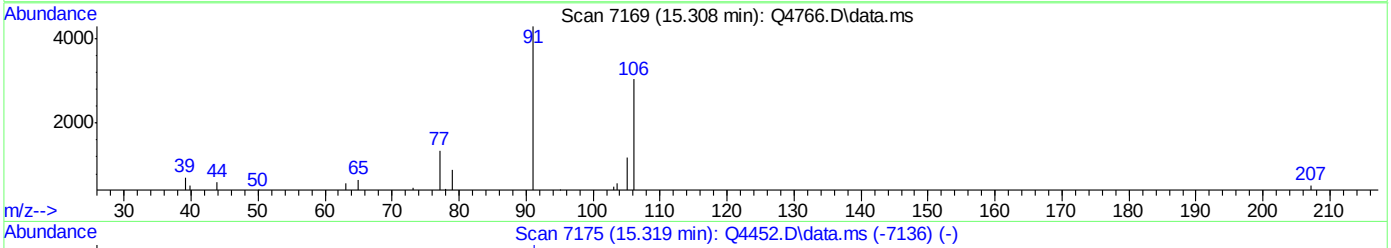
Ion	Exp%	Act%
117.00	100	100
82.00	68.40	0.00#
119.00	32.10	0.00#
0.00	0.00	0.00

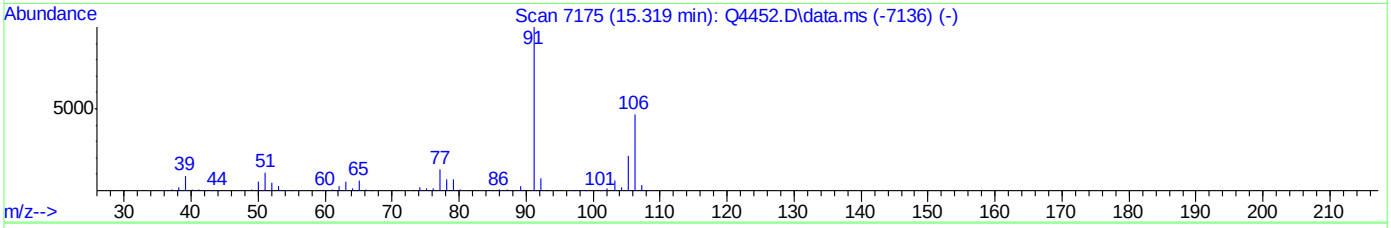
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4766.D
Acq On : 2 Oct 2007 9:44 am
Operator : danat
Sample : ic246-0.2 (M051)
Misc : MS14329,MSQ246,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 02 10:12:29 2007
Quant Method : C:\msdchem\1\METHODS\Q100207T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Oct 01 16:26:29 2007
Response via : Initial Calibration







TIC: Q4766.D\data.ms

(56) m,p-XYLENE (m)

15.308min (-0.014) 0.12PPBV

response 4428

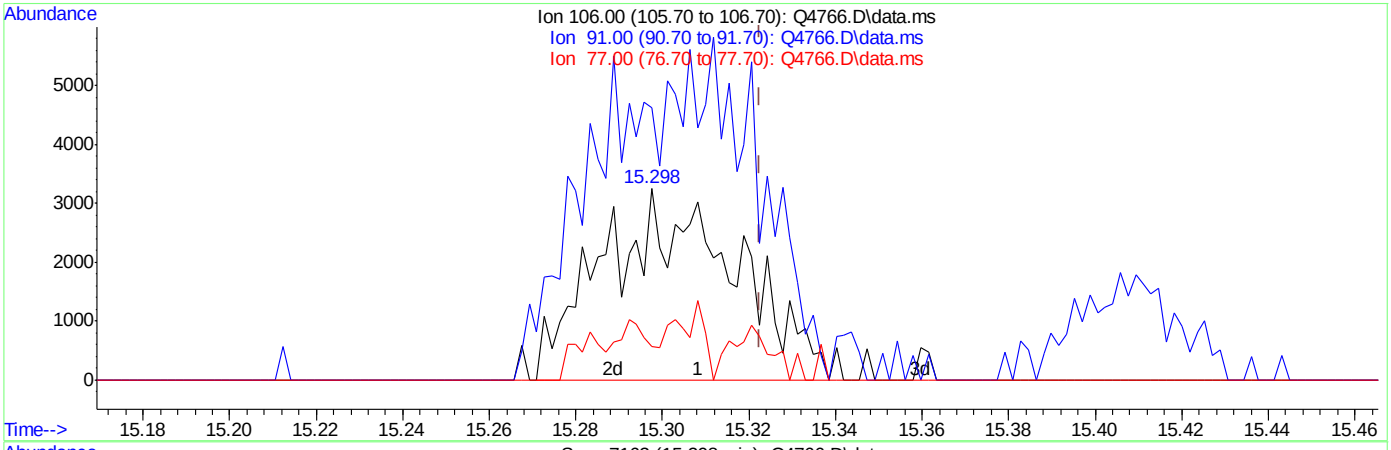
Ion	Exp%	Act%
106.00	100	100
91.00	248.70	141.44#
77.00	39.10	44.37
0.00	0.00	0.00

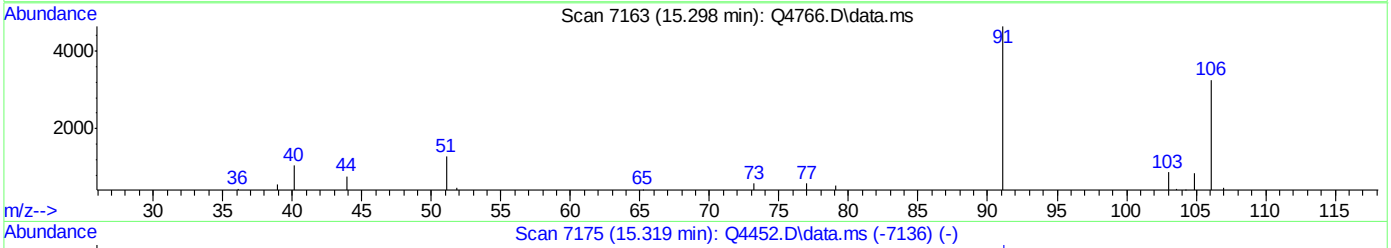
ACCUTEST Laboratories M67846

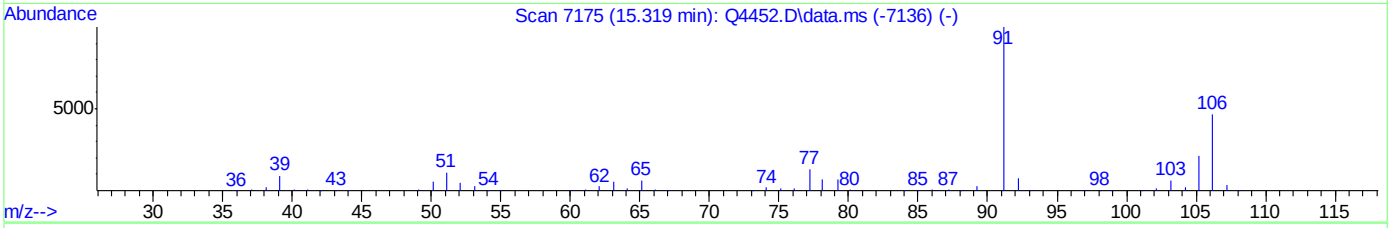
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4766.D
Acq On : 2 Oct 2007 9:44 am
Operator : danat
Sample : ic246-0.2 (M051)
Misc : MS14329,MSQ246,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 02 10:12:29 2007
Quant Method : C:\msdchem\1\METHODS\Q100207T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Oct 01 16:26:29 2007
Response via : Initial Calibration







TIC: Q4766.D\data.ms

(56) m,p-XYLENE (m)

15.298min (-0.025) 0.20PPBV m

response 6921

Ion	Exp%	Act%
106.00	100	100
91.00	248.70	142.04#
77.00	39.10	17.76#
0.00	0.00	0.00

ACCUTEST Laboratories M67846

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4767.D
Acq On : 2 Oct 2007 10:27 am
Operator : danat
Sample : ic246-40 (M010)
Misc : MS14329,MSQ246,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 02 11:06:02 2007
Quant Method : C:\msdchem\1\METHODS\Q100207T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Oct 02 11:04:19 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.625	128	267007	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.453	114	1353515	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.696	117	1215502	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.320	95	487744	5.21	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 104.20%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.030	85	6086885	31.05	PPBV	98
3) PROPYLENE	3.960	41	953418	35.31	PPBV	94
4) FREON 114	4.291	85	5395643	33.90	PPBV	90
5) CHLOROMETHANE	4.195	50	1172405	33.51	PPBV	99
6) VINYL CHLORIDE	4.415	62	1411295	35.05	PPBV	99
7) 1,3-BUTADIENE	4.546	39	1166854	33.48	PPBV	87
8) BROMOMETHANE	4.828	94	1636984	34.24	PPBV	96
9) CHLOROETHANE	4.999	64	604774	38.48	PPBV	91
10) TRICHLOROFLUOROMETHANE	5.778	101	6304523	31.08	PPBV	98
11) ISOPROPYL ALCOHOL	5.820	45	2030304	36.25	PPBV	96
12) ACETONE	5.584	43	1993739	32.61	PPBV	89
13) PENTANE	6.131	42	1277352	31.58	PPBV	88
14) 1,1-DICHLOROETHYLENE	6.415	96	1554957	33.78	PPBV #	72
15) CARBON DISULFIDE	6.846	76	4205164	34.02	PPBV	84
16) ETHANOL	5.093	45	417338	38.01	PPBV	96
17) BROMOETHENE	5.361	106	1608647	34.89	PPBV #	91
18) METHYLENE CHLORIDE	6.529	84	1277980	20.10	PPBV	81
19) 3-CHLOROPROPENE	6.649	39	1663944	37.81	PPBV	79
20) FREON 113	6.789	151	3416602	32.43	PPBV	95
21) TRANS-1,2-DICHLOROETHY...	7.458	96	1516663	33.79	PPBV #	86
22) TERTIARY BUTYL ALCOHOL	6.424	59	2546227	35.81	PPBV	96
23) METHYL TERTIARY BUTYL ...	7.698	73	3705317	41.24	PPBV	91
24) TETRAHYDROFURAN	9.123	42	1125535	49.25	PPBV	94
25) HEXANE	8.660	57	1795337	35.74	PPBV #	84
26) VINYL ACETATE	7.782	43	2813524	41.25	PPBV	97
27) 1,1-DICHLOROETHANE	7.655	63	2813885	38.51	PPBV	99
28) METHYL ETHYL KETONE	8.023	43	2306321	40.80	PPBV	94
29) cis-1,2-DICHLOROETHYLENE	8.461	96	1467665	45.02	PPBV #	86
30) ETHYL ACETATE	8.656	43	3537884	40.57	PPBV	99
31) CHLOROFORM	8.747	83	3829238	39.74	PPBV	97
32) 1,1,1-TRICHLOROETHANE	9.698	97	4227021	39.23	PPBV	99
33) CARBON TETRACHLORIDE	10.282	117	5216586	36.44	PPBV	98
34) 1,2-DICHLOROETHANE	9.455	62	2574754	42.00	PPBV	99
36) BENZENE	10.142	78	4032898	45.15	PPBV	97
37) CYCLOHEXANE	10.405	84	1723889	40.06	PPBV	92
38) TRICHLOROETHYLENE	11.139	95	2399310	42.08	PPBV	86
39) 1,2-DICHLOROPROPANE	10.918	63	1323922	45.59	PPBV	92
40) BROMODICHLOROMETHANE	11.102	83	4321523	42.51	PPBV	98
41) 2,2,4-TRIMETHYLPENTANE	11.162	57	6591740	44.42	PPBV	99
42) 1,4-DIOXANE	11.127	88	761506	52.64	PPBV	85
43) HEPTANE	11.402	43	2406893	43.93	PPBV	91

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4767.D
Acq On : 2 Oct 2007 10:27 am
Operator : danat
Sample : ic246-40 (M010)
Misc : MS14329,MSQ246,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 02 11:06:02 2007
Quant Method : C:\msdchem\1\METHODS\Q100207T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Oct 02 11:04:19 2007
Response via : Initial Calibration

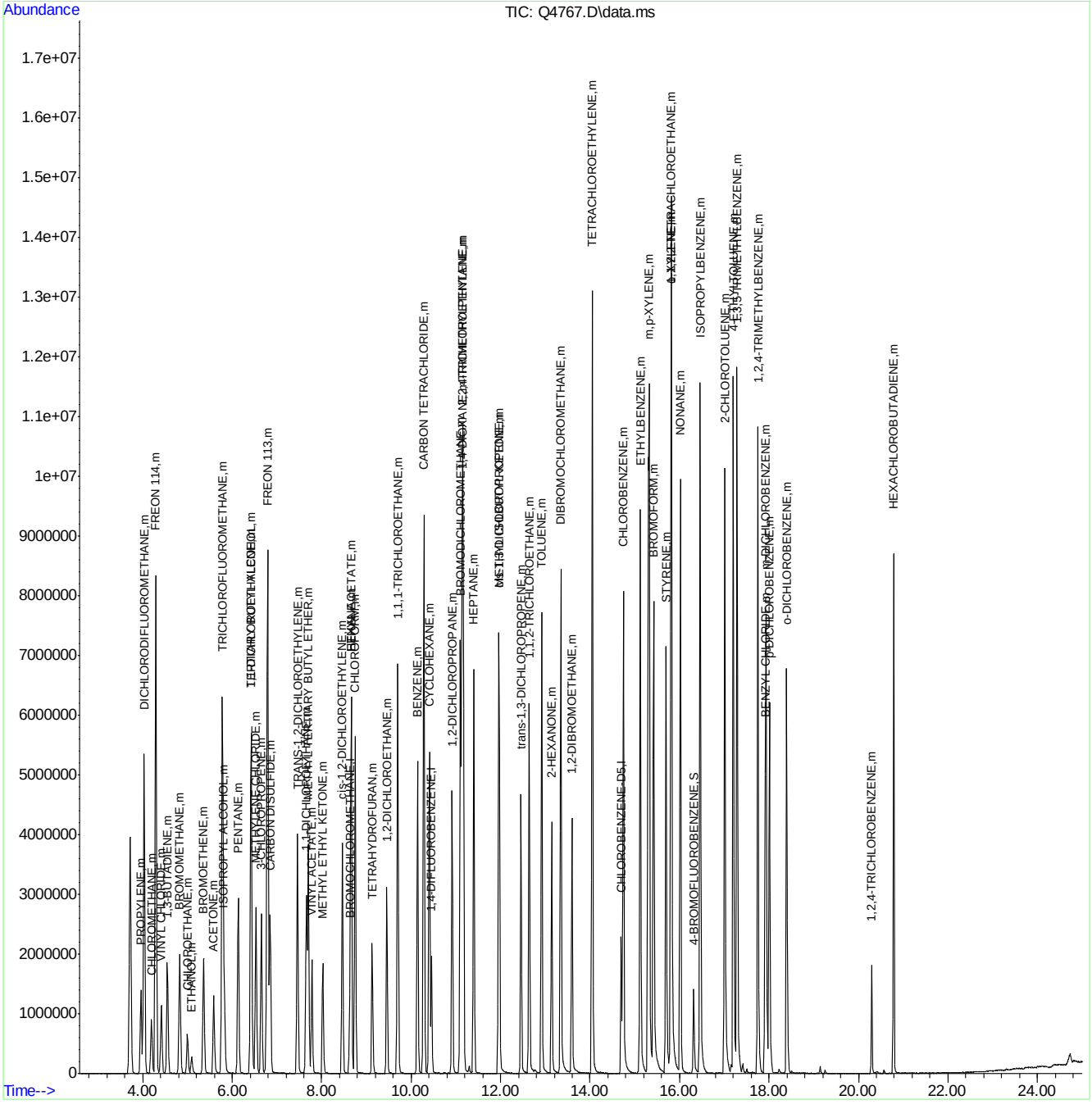
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.970	43	3095055	48.94 PPBV	89
45) cis-1,3-DICHLOROPROPENE	11.956	75	2291157	50.19 PPBV #	80
46) TOLUENE	12.918	92	2919160	40.00 PPBV	98
47) trans-1,3-DICHLOROPROPENE	12.454	75	2172537	51.36 PPBV	92
48) 1,1,2-TRICHLOROETHANE	12.637	83	1456215	47.20 PPBV	95
50) 2-HEXANONE	13.140	43	2708826	49.64 PPBV	88
51) TETRACHLOROETHYLENE	14.050	164	2604635	41.84 PPBV	98
52) DIBROMOCHLOROMETHANE	13.345	129	4391937	45.68 PPBV #	100
53) 1,2-DIBROMOETHANE	13.594	107	2684871	42.22 PPBV	97
54) CHLOROBENZENE	14.746	112	4105435	44.03 PPBV	89
55) ETHYLBENZENE	15.122	91	6819713	51.77 PPBV	97
56) m,p-XYLENE	15.321	106	5176609	106.73 PPBV #	85
57) o-XYLENE	15.819	106	2568676	51.22 PPBV #	89
58) STYRENE	15.697	104	3465213	51.12 PPBV	89
59) NONANE	16.018	43	3438856	51.89 PPBV	96
60) BROMOFORM	15.418	173	4292570	48.20 PPBV	97
62) 1,1,2,2-TETRACHLOROETHANE	15.807	83	3706549	48.50 PPBV	98
63) ISOPROPYLBENZENE	16.462	105	8069682	51.57 PPBV	95
64) 2-CHLOROTOLUENE	17.010	91	5689981	50.28 PPBV	93
65) 4-ETHYLTOLUENE	17.200	105	7323787	55.97 PPBV	96
66) 1,3,5-TRIMETHYLBENZENE	17.285	105	6734190	50.53 PPBV	92
67) 1,2,4-TRIMETHYLBENZENE	17.752	105	5790765	52.99 PPBV	92
68) m-DICHLOROBENZENE	17.933	146	2655947	36.51 PPBV	98
69) BENZYL CHLORIDE	17.910	91	2977665	44.40 PPBV	96
70) p-DICHLOROBENZENE	18.008	146	2415252	35.35 PPBV	98
71) o-DICHLOROBENZENE	18.395	146	2479689	39.52 PPBV	97
72) HEXACHLOROBUTADIENE	20.787	225	1297644	26.76 PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.295	180	436320	26.76 PPBV	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4767.D
Acq On : 2 Oct 2007 10:27 am
Operator : danat
Sample : ic246-40 (M010)
Misc : MS14329,MSQ246,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 02 11:06:02 2007
Quant Method : C:\msdchem\1\METHODS\Q100207T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Oct 02 11:04:19 2007
Response via : Initial Calibration



ACCUTEST Laboratories M67846

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4771.D
Acq On : 2 Oct 2007 1:16 pm
Operator : danat
Sample : icc246-10 (M010)
Misc : MS14329,MSQ246,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 02 13:43:32 2007
Quant Method : C:\msdchem\1\METHODS\Q100207T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Oct 02 11:37:33 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.623	128	248607	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.451	114	1245077	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.692	117	1060559	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.311	95	401794	4.66	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 93.20%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.030	85	1117362	6.56	PPBV	99
3) PROPYLENE	3.962	41	155535	7.25	PPBV	87
4) FREON 114	4.292	85	903871	6.46	PPBV	90
5) CHLOROMETHANE	4.189	50	195259	6.36	PPBV	100
6) VINYL CHLORIDE	4.413	62	238446	7.24	PPBV	98
7) 1,3-BUTADIENE	4.550	39	193034	7.07	PPBV	87
8) BROMOMETHANE	4.828	94	423282	10.50	PPBV	96
9) CHLOROETHANE	4.990	64	104503	8.00	PPBV	91
10) TRICHLOROFLUOROMETHANE	5.778	101	1590027	9.58	PPBV	98
11) ISOPROPYL ALCOHOL	5.810	45	538575	9.51	PPBV	98
12) ACETONE	5.584	43	563549	9.02	PPBV	89
13) PENTANE	6.129	42	350548	10.26	PPBV	87
14) 1,1-DICHLOROETHYLENE	6.415	96	400971	10.56	PPBV #	74
15) CARBON DISULFIDE	6.848	76	1153828	10.57	PPBV	84
16) ETHANOL	5.084	45	115834	11.29	PPBV	98
17) BROMOETHENE	5.357	106	406490	10.72	PPBV #	91
18) METHYLENE CHLORIDE	6.530	84	315793	5.09	PPBV	84
19) 3-CHLOROPROPENE	6.647	39	373967	10.28	PPBV	80
20) FREON 113	6.788	151	812312	9.16	PPBV	98
21) TRANS-1,2-DICHLOROETHY...	7.457	96	339476	8.82	PPBV	90
22) TERTIARY BUTYL ALCOHOL	6.418	59	756822	12.56	PPBV	96
23) METHYL TERTIARY BUTYL ...	7.695	73	895337	10.93	PPBV	92
24) TETRAHYDROFURAN	9.127	42	285636	15.33	PPBV	97
25) HEXANE	8.653	57	440979	10.70	PPBV #	85
26) VINYL ACETATE	7.774	43	707968	12.16	PPBV	97
27) 1,1-DICHLOROETHANE	7.652	63	619203	9.25	PPBV	98
28) METHYL ETHYL KETONE	8.021	43	597391	12.04	PPBV	96
29) cis-1,2-DICHLOROETHYLENE	8.456	96	314039	11.42	PPBV #	88
30) ETHYL ACETATE	8.651	43	895862	11.57	PPBV	99
31) CHLOROFORM	8.742	83	876061	9.57	PPBV	98
32) 1,1,1-TRICHLOROETHANE	9.696	97	918104	9.21	PPBV	97
33) CARBON TETRACHLORIDE	10.277	117	1185583	9.57	PPBV	97
34) 1,2-DICHLOROETHANE	9.450	62	592771	10.72	PPBV	99
36) BENZENE	10.138	78	851818	11.32	PPBV	97
37) CYCLOHEXANE	10.399	84	405619	12.63	PPBV	97
38) TRICHLOROETHYLENE	11.132	95	513490	10.28	PPBV	89
39) 1,2-DICHLOROPROPANE	10.910	63	300352	10.24	PPBV	92
40) BROMODICHLOROMETHANE	11.095	83	923178	9.35	PPBV	98
41) 2,2,4-TRIMETHYLPENTANE	11.157	57	1454773	11.17	PPBV	99
42) 1,4-DIOXANE	11.120	88	164110	12.56	PPBV #	83
43) HEPTANE	11.397	43	522264	12.24	PPBV	94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4771.D
Acq On : 2 Oct 2007 1:16 pm
Operator : danat
Sample : icc246-10 (M010)
Misc : MS14329,MSQ246,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 02 13:43:32 2007
Quant Method : C:\msdchem\1\METHODS\Q100207T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Oct 02 11:37:33 2007
Response via : Initial Calibration

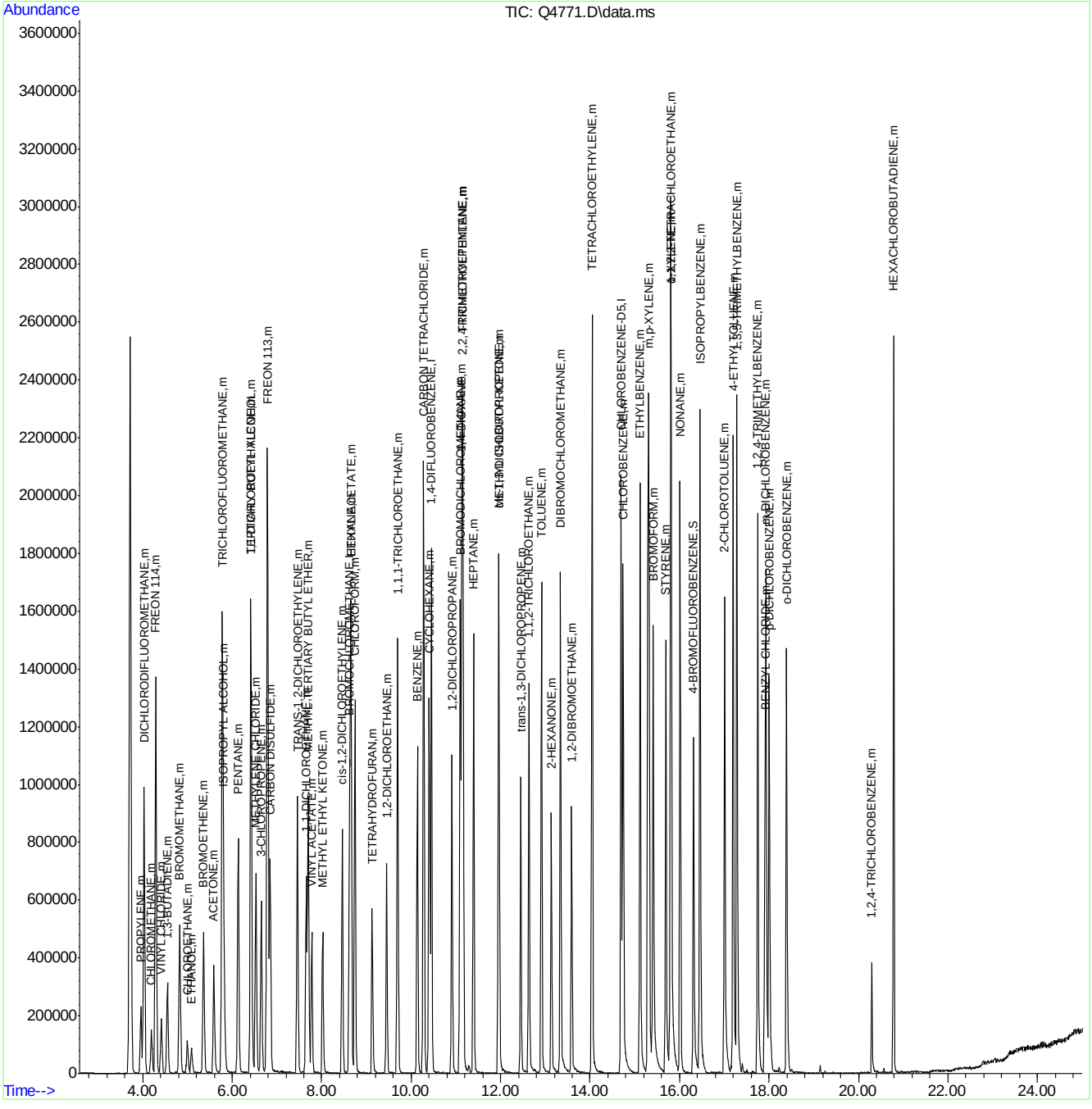
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.965	43	706149	13.98 PPBV	90
45) cis-1,3-DICHLOROPROPENE	11.950	75	489025	13.11 PPBV #	84
46) TOLUENE	12.912	92	619199	11.39 PPBV	96
47) trans-1,3-DICHLOROPROPENE	12.449	75	438736	13.45 PPBV	96
48) 1,1,2-TRICHLOROETHANE	12.634	83	313778	10.74 PPBV	98
50) 2-HEXANONE	13.134	43	571386	14.80 PPBV	91
51) TETRACHLOROETHYLENE	14.043	164	484935	9.52 PPBV	97
52) DIBROMOCHLOROMETHANE	13.340	129	856052	10.08 PPBV #	100
53) 1,2-DIBROMOETHANE	13.587	107	552625	11.23 PPBV	96
54) CHLOROBENZENE	14.739	112	837283	10.68 PPBV	89
55) ETHYLBENZENE	15.118	91	1419635	12.60 PPBV	97
56) m,p-XYLENE	15.314	106	1080519	27.36 PPBV	81
57) o-XYLENE	15.812	106	530498	14.20 PPBV #	89
58) STYRENE	15.693	104	698380	14.08 PPBV	89
59) NONANE	16.013	43	693403	12.01 PPBV	97
60) BROMOFORM	15.411	173	804125	10.72 PPBV	97
62) 1,1,2,2-TETRACHLOROETHANE	15.800	83	767694	11.85 PPBV	98
63) ISOPROPYLBENZENE	16.457	105	1598859	12.47 PPBV	95
64) 2-CHLOROTOLUENE	17.009	91	955137	11.76 PPBV	94
65) 4-ETHYLTOLUENE	17.197	105	1385296	13.94 PPBV	94
66) 1,3,5-TRIMETHYLBENZENE	17.282	105	1344792	13.09 PPBV	91
67) 1,2,4-TRIMETHYLBENZENE	17.745	105	1083781	12.96 PPBV	91
68) m-DICHLOROBENZENE	17.928	146	590530	12.77 PPBV	99
69) BENZYL CHLORIDE	17.905	91	649036	14.60 PPBV	97
70) p-DICHLOROBENZENE	18.004	146	554380	13.69 PPBV	99
71) o-DICHLOROBENZENE	18.393	146	554420	13.04 PPBV	97
72) HEXACHLOROBUTADIENE	20.787	225	365104	10.78 PPBV	98
73) 1,2,4-TRICHLOROBENZENE	20.297	180	101038	12.50 PPBV	96

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4771.D
Acq On : 2 Oct 2007 1:16 pm
Operator : danat
Sample : icc246-10 (M010)
Misc : MS14329,MSQ246,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 02 13:43:32 2007
Quant Method : C:\msdchem\1\METHODS\Q100207T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Oct 02 11:37:33 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4772.D
Acq On : 2 Oct 2007 1:59 pm
Operator : danat
Sample : ic246-5 (M010)
Misc : MS14329,MSQ246,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 02 14:26:13 2007
Quant Method : C:\msdchem\1\METHODS\Q100207T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Oct 02 13:45:37 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.623	128	248688	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.451	114	1195886	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.691	117	951731	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.313	95	337746	4.43	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 88.60%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.028	85	619367	3.90	PPBV	99
3) PROPYLENE	3.955	41	94843	4.68	PPBV	91
4) FREON 114	4.289	85	555750	4.27	PPBV	100
5) CHLOROMETHANE	4.191	50	124775	4.38	PPBV	96
6) VINYL CHLORIDE	4.413	62	140308	4.51	PPBV	100
7) 1,3-BUTADIENE	4.548	39	117819	4.58	PPBV	100
8) BROMOMETHANE	4.821	94	166811	4.10	PPBV	99
9) CHLOROETHANE	5.008	64	61255	4.88	PPBV	97
10) TRICHLOROFLUOROMETHANE	5.778	101	651842	3.96	PPBV	100
11) ISOPROPYL ALCOHOL	5.813	45	218524	3.90	PPBV	99
12) ACETONE	5.586	43	220648	3.60	PPBV	98
13) PENTANE	6.131	42	156998	4.57	PPBV	98
14) 1,1-DICHLOROETHYLENE	6.417	96	174100	4.53	PPBV	99
15) CARBON DISULFIDE	6.846	76	568196	5.15	PPBV	100
16) ETHANOL	5.091	45	45468	4.32	PPBV	97
17) BROMOETHENE	5.359	106	166707	4.33	PPBV	99
18) METHYLENE CHLORIDE	6.529	84	187034	3.34	PPBV	97
19) 3-CHLOROPROPENE	6.647	39	203911	5.57	PPBV	97
20) FREON 113	6.789	151	430596	4.94	PPBV	99
21) TRANS-1,2-DICHLOROETHY...	7.457	96	199019	5.30	PPBV	99
22) TERTIARY BUTYL ALCOHOL	6.418	59	358232	5.65	PPBV	100
23) METHYL TERTIARY BUTYL ...	7.700	73	497529	5.96	PPBV	98
24) TETRAHYDROFURAN	9.127	42	136804	6.63	PPBV	99
25) HEXANE	8.658	57	229622	5.49	PPBV	99
26) VINYL ACETATE	7.774	43	359642	5.92	PPBV	97
27) 1,1-DICHLOROETHANE	7.656	63	361992	5.49	PPBV	99
28) METHYL ETHYL KETONE	8.019	43	312906	6.06	PPBV	99
29) cis-1,2-DICHLOROETHYLENE	8.458	96	153094	5.41	PPBV	100
30) ETHYL ACETATE	8.651	43	459529	5.75	PPBV	100
31) CHLOROFORM	8.742	83	448829	4.95	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.695	97	467723	4.77	PPBV	99
33) CARBON TETRACHLORIDE	10.279	117	608449	4.95	PPBV	99
34) 1,2-DICHLOROETHANE	9.453	62	283430	5.05	PPBV	99
36) BENZENE	10.137	78	406406	5.48	PPBV	99
37) CYCLOHEXANE	10.401	84	200974	6.19	PPBV	95
38) TRICHLOROETHYLENE	11.131	95	250928	5.20	PPBV	99
39) 1,2-DICHLOROPROPANE	10.907	63	140378	4.96	PPBV	99
40) BROMODICHLOROMETHANE	11.093	83	422973	4.52	PPBV	98
41) 2,2,4-TRIMETHYLPENTANE	11.155	57	707881	5.53	PPBV	99
42) 1,4-DIOXANE	11.123	88	78143	5.92	PPBV #	84
43) HEPTANE	11.391	43	255023	5.96	PPBV	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4772.D
Acq On : 2 Oct 2007 1:59 pm
Operator : danat
Sample : ic246-5 (M010)
Misc : MS14329,MSQ246,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 02 14:26:13 2007
Quant Method : C:\msdchem\1\METHODS\Q100207T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Oct 02 13:45:37 2007
Response via : Initial Calibration

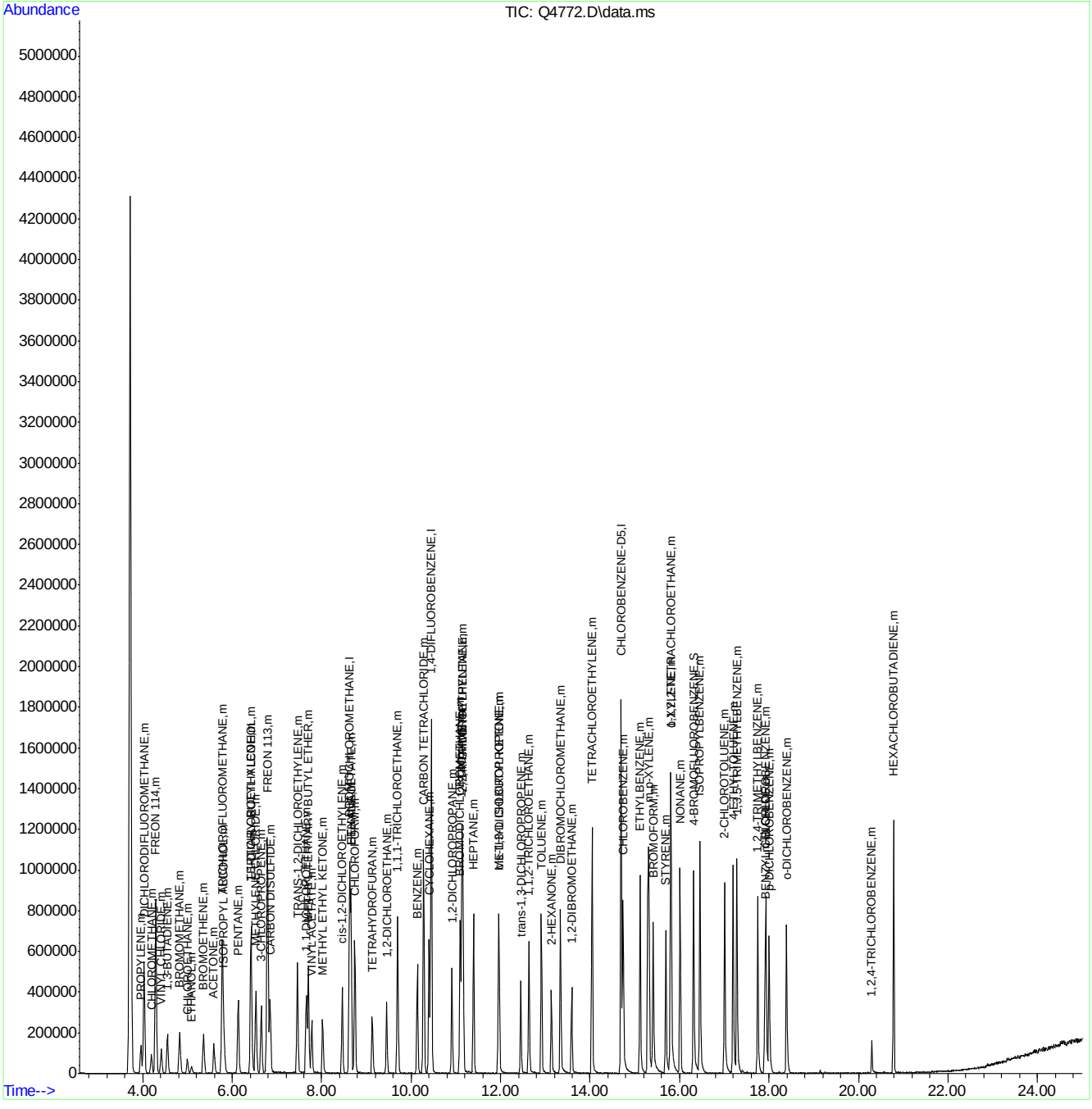
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.968	43	342580	6.54	PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.949	75	214552	5.64	PPBV	97
46) TOLUENE	12.911	92	283419	5.28	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.453	75	196273	5.86	PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.636	83	150935	5.30	PPBV	98
50) 2-HEXANONE	13.136	43	266175	7.01	PPBV	98
51) TETRACHLOROETHYLENE	14.045	164	230966	5.10	PPBV	98
52) DIBROMOCHLOROMETHANE	13.340	129	402001	5.27	PPBV	99
53) 1,2-DIBROMOETHANE	13.589	107	250519	5.54	PPBV	100
54) CHLOROBENZENE	14.740	112	394960	5.54	PPBV	98
55) ETHYLBENZENE	15.117	91	637907	6.00	PPBV	100
56) m,p-XYLENE	15.314	106	494931	13.01	PPBV	98
57) o-XYLENE	15.809	106	240952	6.63	PPBV	96
58) STYRENE	15.692	104	310622	6.45	PPBV	99
59) NONANE	16.011	43	334909	6.21	PPBV	98
60) BROMOFORM	15.409	173	366941	5.37	PPBV	95
62) 1,1,2,2-TETRACHLOROETHANE	15.796	83	374873	6.22	PPBV	99
63) ISOPROPYLBENZENE	16.455	105	760168	6.30	PPBV	99
64) 2-CHLOROTOLUENE	17.007	91	519012	6.88	PPBV	99
65) 4-ETHYLTOLUENE	17.195	105	630165	6.55	PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.282	105	605277	6.18	PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.747	105	468156	5.89	PPBV	100
68) m-DICHLOROBENZENE	17.928	146	294542	6.73	PPBV	99
69) BENZYL CHLORIDE	17.908	91	296907	6.82	PPBV	99
70) p-DICHLOROBENZENE	18.004	146	265319	6.80	PPBV	98
71) o-DICHLOROBENZENE	18.391	146	270288	6.68	PPBV	100
72) HEXACHLOROBUTADIENE	20.783	225	178367	5.78	PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.297	180	41094	5.33	PPBV	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4772.D
Acq On : 2 Oct 2007 1:59 pm
Operator : danat
Sample : ic246-5 (M010)
Misc : MS14329,MSQ246,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 02 14:26:13 2007
Quant Method : C:\msdchem\1\METHODS\Q100207T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Oct 02 13:45:37 2007
Response via : Initial Calibration



ACCUTEST Laboratories M67846

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4773.D
Acq On : 2 Oct 2007 2:42 pm
Operator : danat
Sample : ic246-2 (M010)
Misc : MS14329,MSQ246,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 02 15:09:29 2007
Quant Method : C:\msdchem\1\METHODS\Q100207T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Oct 02 14:26:29 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.619	128	268307	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.451	114	1239828	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.693	117	983884	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.311	95	345275	4.46	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 89.20%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.030	85	390609	2.37	PPBV	100
3) PROPYLENE	3.964	41	55179	2.55	PPBV	91
4) FREON 114	4.291	85	315476	2.30	PPBV	99
5) CHLOROMETHANE	4.191	50	71501	2.38	PPBV	97
6) VINYL CHLORIDE	4.417	62	86762	2.63	PPBV	97
7) 1,3-BUTADIENE	4.548	39	67065	2.45	PPBV	98
8) BROMOMETHANE	4.821	94	99802	2.34	PPBV	99
9) CHLOROETHANE	4.999	64	36681	2.72	PPBV	98
10) TRICHLOROFLUOROMETHANE	5.778	101	359143	2.09	PPBV	100
11) ISOPROPYL ALCOHOL	5.819	45	118454	2.03	PPBV	95
12) ACETONE	5.586	43	124002	1.97	PPBV	100
13) PENTANE	6.133	42	75964	2.08	PPBV	99
14) 1,1-DICHLOROETHYLENE	6.419	96	86127	2.11	PPBV	98
15) CARBON DISULFIDE	6.844	76	244227	2.04	PPBV	97
16) ETHANOL	5.098	45	27182	2.45	PPBV #	73
17) BROMOETHENE	5.361	106	90606	2.23	PPBV	99
18) METHYLENE CHLORIDE	6.529	84	150446	2.64	PPBV	97
19) 3-CHLOROPROPENE	6.651	39	80736	2.01	PPBV	98
20) FREON 113	6.786	151	188859	2.01	PPBV	98
21) TRANS-1,2-DICHLOROETHY...	7.457	96	83708	2.04	PPBV	96
22) TERTIARY BUTYL ALCOHOL	6.422	59	167365	2.40	PPBV	98
23) METHYL TERTIARY BUTYL ...	7.703	73	195193	2.10	PPBV	100
24) TETRAHYDROFURAN	9.134	42	50759	2.16	PPBV	99
25) HEXANE	8.656	57	96678	2.11	PPBV	95
26) VINYL ACETATE	7.776	43	133472	1.98	PPBV	99
27) 1,1-DICHLOROETHANE	7.652	63	145797	2.02	PPBV	99
28) METHYL ETHYL KETONE	8.026	43	119273	2.07	PPBV	98
29) cis-1,2-DICHLOROETHYLENE	8.458	96	61068	1.97	PPBV	97
30) ETHYL ACETATE	8.655	43	185673	2.10	PPBV	100
31) CHLOROFORM	8.742	83	188230	1.93	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.693	97	194607	1.85	PPBV	99
33) CARBON TETRACHLORIDE	10.280	117	258606	1.95	PPBV	98
34) 1,2-DICHLOROETHANE	9.452	62	115664	1.91	PPBV	99
36) BENZENE	10.135	78	162536	2.08	PPBV	99
37) CYCLOHEXANE	10.403	84	82507	2.36	PPBV	90
38) TRICHLOROETHYLENE	11.136	95	99833	1.98	PPBV	99
39) 1,2-DICHLOROPROPANE	10.910	63	56497	1.93	PPBV	100
40) BROMODICHLOROMETHANE	11.091	83	173511	1.82	PPBV	98
41) 2,2,4-TRIMETHYLPENTANE	11.157	57	288683	2.14	PPBV #	94
42) 1,4-DIOXANE	11.132	88	30137	2.14	PPBV #	1
43) HEPTANE	11.393	43	100731	2.20	PPBV	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4773.D
Acq On : 2 Oct 2007 2:42 pm
Operator : danat
Sample : ic246-2 (M010)
Misc : MS14329,MSQ246,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 02 15:09:29 2007
Quant Method : C:\msdchem\1\METHODS\Q100207T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Oct 02 14:26:29 2007
Response via : Initial Calibration

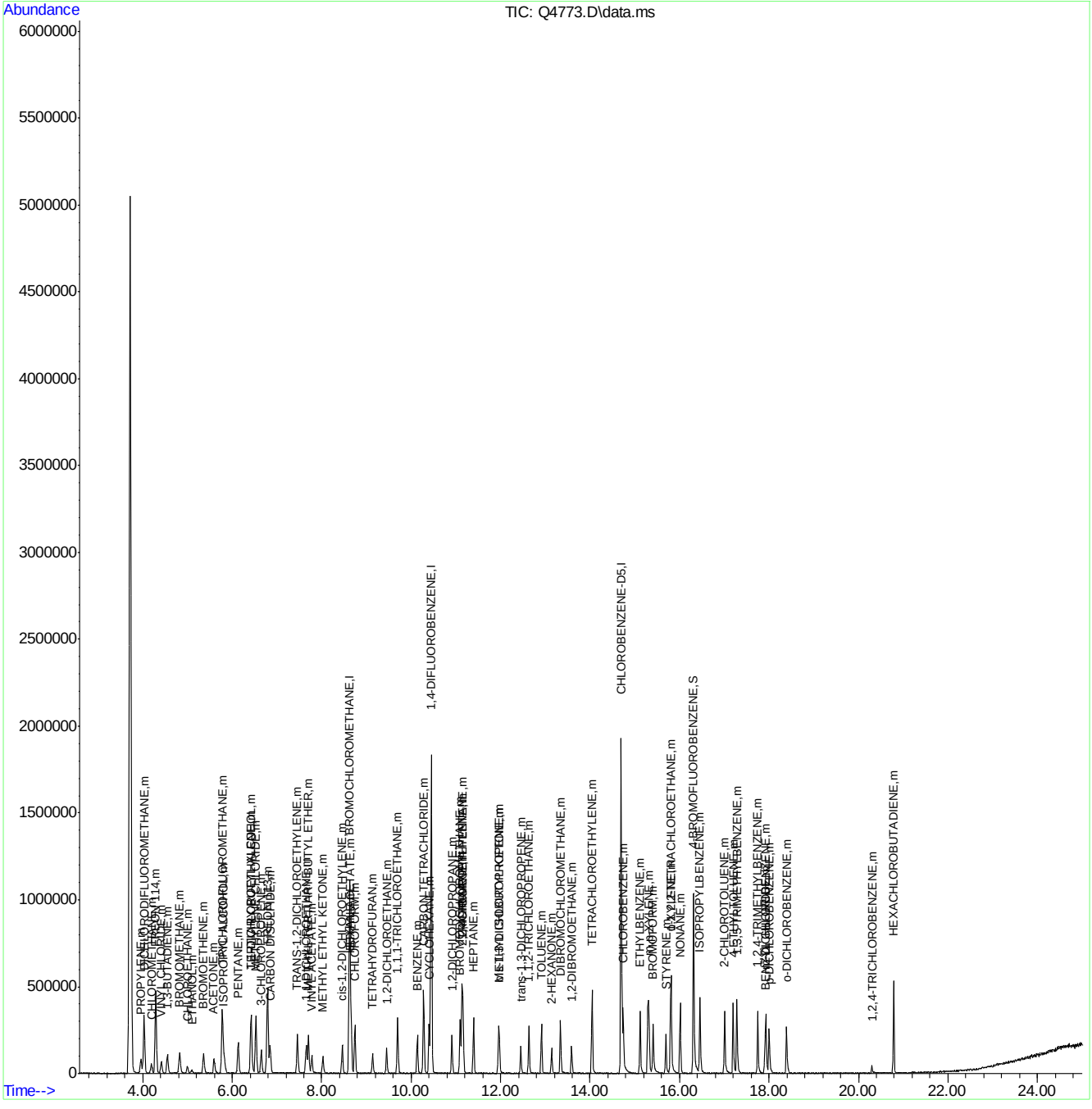
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.972	43	128762	2.26	PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.952	75	77291	1.92	PPBV	94
46) TOLUENE	12.912	92	96133	1.71	PPBV	96
47) trans-1,3-DICHLOROPROPENE	12.449	75	70385	1.97	PPBV	98
48) 1,1,2-TRICHLOROETHANE	12.632	83	59305	1.99	PPBV	96
50) 2-HEXANONE	13.136	43	91466	2.18	PPBV	95
51) TETRACHLOROETHYLENE	14.046	164	88460	1.88	PPBV	99
52) DIBROMOCHLOROMETHANE	13.342	129	148160	1.86	PPBV	99
53) 1,2-DIBROMOETHANE	13.590	107	94085	1.98	PPBV	98
54) CHLOROBENZENE	14.737	112	156197	2.08	PPBV	100
55) ETHYLBENZENE	15.118	91	226472	1.99	PPBV	99
56) m,p-XYLENE	15.314	106	180906	4.38	PPBV	93
57) o-XYLENE	15.814	106	93149	2.35	PPBV	99
58) STYRENE	15.695	104	100526	1.93	PPBV	97
59) NONANE	16.013	43	124651	2.15	PPBV	99
60) BROMOFORM	15.410	173	138396	1.94	PPBV	95
62) 1,1,2,2-TETRACHLOROETHANE	15.802	83	144186	2.22	PPBV	99
63) ISOPROPYLBENZENE	16.455	105	285937	2.20	PPBV	99
64) 2-CHLOROTOLUENE	17.009	91	189520	2.29	PPBV	100
65) 4-ETHYLTOLUENE	17.197	105	230659	2.21	PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.278	105	227053	2.16	PPBV	97
67) 1,2,4-TRIMETHYLBENZENE	17.745	105	179890	2.13	PPBV	99
68) m-DICHLOROBENZENE	17.928	146	113567	2.37	PPBV	99
69) BENZYL CHLORIDE	17.907	91	104728	2.19	PPBV	99
70) p-DICHLOROBENZENE	18.001	146	102687	2.40	PPBV	98
71) o-DICHLOROBENZENE	18.393	146	101637	2.30	PPBV	98
72) HEXACHLOROBUTADIENE	20.787	225	76502	2.34	PPBV	98
73) 1,2,4-TRICHLOROBENZENE	20.303	180	13945	1.73	PPBV	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4773.D
Acq On : 2 Oct 2007 2:42 pm
Operator : danat
Sample : ic246-2 (M010)
Misc : MS14329,MSQ246,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 02 15:09:29 2007
Quant Method : C:\msdchem\1\METHODS\Q100207T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Oct 02 14:26:29 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4774.D
Acq On : 2 Oct 2007 3:26 pm
Operator : danat
Sample : ic246-20 (M010)
Misc : MS14329,MSQ246,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 02 15:51:14 2007
Quant Method : C:\msdchem\1\METHODS\Q100207T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Oct 02 15:13:11 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.623	128	278784	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.453	114	1234330	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.694	117	1064703	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.316	95	404288	4.91	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 98.20%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.028	85	3417417	19.43	PPBV	100
3) PROPYLENE	3.959	41	555914	23.79	PPBV	92
4) FREON 114	4.287	85	2925245	20.12	PPBV	99
5) CHLOROMETHANE	4.193	50	673943	20.99	PPBV	98
6) VINYL CHLORIDE	4.413	62	800002	22.31	PPBV	99
7) 1,3-BUTADIENE	4.550	39	637836	21.74	PPBV	99
8) BROMOMETHANE	4.828	94	903873	19.93	PPBV	100
9) CHLOROETHANE	4.997	64	347071	23.56	PPBV	98
10) TRICHLOROFLUOROMETHANE	5.778	101	3346854	18.66	PPBV	100
11) ISOPROPYL ALCOHOL	5.815	45	1237999	20.39	PPBV	99
12) ACETONE	5.583	43	1190016	18.22	PPBV	99
13) PENTANE	6.135	42	731883	19.17	PPBV	98
14) 1,1-DICHLOROETHYLENE	6.415	96	881900	20.64	PPBV	94
15) CARBON DISULFIDE	6.846	76	2424167	19.43	PPBV	98
16) ETHANOL	5.087	45	255061	21.42	PPBV	99
17) BROMOETHENE	5.357	106	886787	20.69	PPBV	99
18) METHYLENE CHLORIDE	6.527	84	767892	22.30	PPBV	96
19) 3-CHLOROPROPENE	6.647	39	874328	20.91	PPBV	96
20) FREON 113	6.788	151	1845165	18.90	PPBV	98
21) TRANS-1,2-DICHLOROETHY...	7.457	96	856378	20.07	PPBV	96
22) TERTIARY BUTYL ALCOHOL	6.418	59	1674179	22.43	PPBV	97
23) METHYL TERTIARY BUTYL ...	7.696	73	2149721	22.11	PPBV	97
24) TETRAHYDROFURAN	9.123	42	642629	21.97	PPBV	97
25) HEXANE	8.656	57	990955	20.64	PPBV	97
26) VINYL ACETATE	7.778	43	1589855	22.69	PPBV	98
27) 1,1-DICHLOROETHANE	7.654	63	1532983	20.38	PPBV	98
28) METHYL ETHYL KETONE	8.019	43	1338260	22.21	PPBV	98
29) cis-1,2-DICHLOROETHYLENE	8.458	96	766001	23.87	PPBV	97
30) ETHYL ACETATE	8.653	43	1993000	21.55	PPBV	100
31) CHLOROFORM	8.743	83	2015558	19.95	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.700	97	2175318	20.14	PPBV	99
33) CARBON TETRACHLORIDE	10.280	117	2693462	19.65	PPBV	99
34) 1,2-DICHLOROETHANE	9.453	62	1288074	20.58	PPBV	99
36) BENZENE	10.138	78	2020112	25.82	PPBV	100
37) CYCLOHEXANE	10.401	84	924852	25.88	PPBV	96
38) TRICHLOROETHYLENE	11.138	95	1209941	24.16	PPBV	98
39) 1,2-DICHLOROPROPANE	10.912	63	685567	23.61	PPBV	98
40) BROMODICHLOROMETHANE	11.097	83	2165253	23.07	PPBV	100
41) 2,2,4-TRIMETHYLPENTANE	11.159	57	3436312	25.30	PPBV	100
42) 1,4-DIOXANE	11.120	88	406728	23.32	PPBV	95
43) HEPTANE	11.397	43	1248939	27.00	PPBV	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4774.D
Acq On : 2 Oct 2007 3:26 pm
Operator : danat
Sample : ic246-20 (M010)
Misc : MS14329,MSQ246,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 02 15:51:14 2007
Quant Method : C:\msdchem\1\METHODS\Q100207T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Oct 02 15:13:11 2007
Response via : Initial Calibration

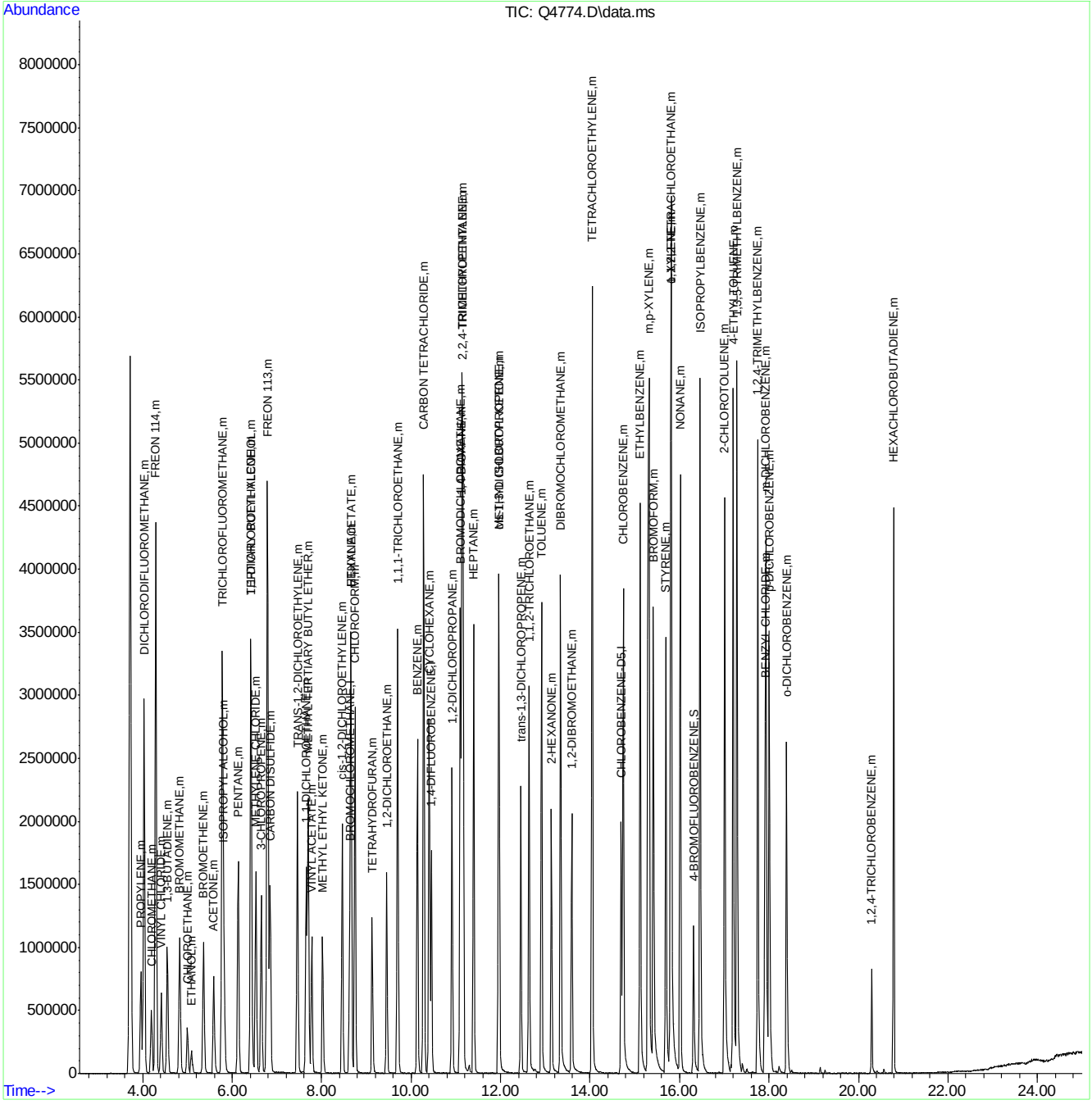
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.966	43	1642457	28.38	PPBV	100
45) cis-1,3-DICHLOROPROPENE	11.952	75	1106520	27.75	PPBV	97
46) TOLUENE	12.912	92	1431526	26.14	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.451	75	1039903	23.05	PPBV	96
48) 1,1,2-TRICHLOROETHANE	12.636	83	724171	24.42	PPBV	98
50) 2-HEXANONE	13.136	43	1363192	23.62	PPBV	98
51) TETRACHLOROETHYLENE	14.046	164	1245536	24.72	PPBV	97
52) DIBROMOCHLOROMETHANE	13.340	129	2064464	24.20	PPBV	99
53) 1,2-DIBROMOETHANE	13.589	107	1309235	25.46	PPBV	100
54) CHLOROBENZENE	14.740	112	1951829	23.90	PPBV	99
55) ETHYLBENZENE	15.118	91	3298463	19.96	PPBV	100
56) m,p-XYLENE	15.315	106	2502121	44.34	PPBV	98
57) o-XYLENE	15.812	106	1254152	23.61	PPBV	99
58) STYRENE	15.693	104	1628746	20.06	PPBV	99
59) NONANE	16.013	43	1635361	19.42	PPBV	99
60) BROMOFORM	15.413	173	1969398	25.58	PPBV	96
62) 1,1,2,2-TETRACHLOROETHANE	15.803	83	1812674	25.42	PPBV	99
63) ISOPROPYLBENZENE	16.458	105	3870261	27.09	PPBV	99
64) 2-CHLOROTOLUENE	17.009	91	2672383	23.53	PPBV	99
65) 4-ETHYLTOLUENE	17.198	105	3449710	22.84	PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.284	105	3244225	20.63	PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.747	105	2774127	20.90	PPBV	100
68) m-DICHLOROBENZENE	17.930	146	1470135	27.64	PPBV	100
69) BENZYL CHLORIDE	17.907	91	1660537	31.70	PPBV	99
70) p-DICHLOROBENZENE	18.004	146	1373335	28.85	PPBV	99
71) o-DICHLOROBENZENE	18.393	146	1016057	20.81	PPBV	99
72) HEXACHLOROBUTADIENE	20.785	225	683974	18.86	PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.295	180	210231	24.62	PPBV	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4774.D
Acq On : 2 Oct 2007 3:26 pm
Operator : danat
Sample : ic246-20 (M010)
Misc : MS14329,MSQ246,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 02 15:51:14 2007
Quant Method : C:\msdchem\1\METHODS\Q100207T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Oct 02 15:13:11 2007
Response via : Initial Calibration



ACCUTEST Laboratories M67846

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4776a.D
Acq On : 2 Oct 2007 6:15 pm
Operator : danat
Sample : cc246-10 (M112)
Misc : MS14329,MSQ246,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 03 09:46:56 2007
Quant Method : C:\msdchem\1\METHODS\Q100207T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Oct 03 09:29:03 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.623	128	281951	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.451	114	1252884	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.694	117	1024151	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.315	95	382147	5.10	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 102.00%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.030	85	1068904	6.10	PPBV	99
3) PROPYLENE	3.957	41	153313	6.49	PPBV	90
4) FREON 114	4.289	85	1039454	7.12	PPBV	100
5) CHLOROMETHANE	4.191	50	215339	6.58	PPBV	99
6) VINYL CHLORIDE	4.409	62	268255	7.31	PPBV	99
7) 1,3-BUTADIENE	4.548	39	223610	7.47	PPBV	99
8) BROMOMETHANE	4.827	94	318489	6.89	PPBV	99
9) CHLOROETHANE	4.993	64	120871	7.92	PPBV	99
10) TRICHLOROFLUOROMETHANE	5.778	101	1266332	6.97	PPBV	100
11) ISOPROPYL ALCOHOL	5.813	45	396084	6.34	PPBV	98
12) ACETONE	5.584	43	366204	5.80	PPBV	98
13) PENTANE	6.133	42	282146	7.28	PPBV	98
14) 1,1-DICHLOROETHYLENE	6.417	96	336887	7.79	PPBV	97
15) CARBON DISULFIDE	6.850	76	1128823	8.93	PPBV	99
16) ETHANOL	5.095	45	76952	6.26	PPBV	98
17) BROMOETHENE	5.357	106	318512	7.31	PPBV	100
18) METHYLENE CHLORIDE	6.527	84	318833	8.11	PPBV	97
19) 3-CHLOROPROPENE	6.651	39	382754	9.03	PPBV	98
20) FREON 113	6.788	151	783593	7.92	PPBV	99
21) TRANS-1,2-DICHLOROETHY...	7.459	96	419806	9.76	PPBV	97
22) TERTIARY BUTYL ALCOHOL	6.415	59	614353	8.11	PPBV	99
23) METHYL TERTIARY BUTYL ...	7.695	73	874988	8.96	PPBV	99
24) TETRAHYDROFURAN	9.127	42	263088	8.55	PPBV	99
25) HEXANE	8.653	57	500315	10.13	PPBV	99
26) VINYL ACETATE	7.776	43	662201	9.42	PPBV	99
27) 1,1-DICHLOROETHANE	7.652	63	754008	9.92	PPBV	100
28) METHYL ETHYL KETONE	8.018	43	570854	9.26	PPBV	98
29) cis-1,2-DICHLOROETHYLENE	8.458	96	353604	10.79	PPBV	99
30) ETHYL ACETATE	8.649	43	917911	9.62	PPBV #	100
31) CHLOROFORM	8.743	83	995298	9.64	PPBV	100
32) 1,1,1-TRICHLOROETHANE	9.697	97	1039558	9.43	PPBV	99
33) CARBON TETRACHLORIDE	10.279	117	1303780	9.33	PPBV	100
34) 1,2-DICHLOROETHANE	9.453	62	582019	9.22	PPBV	100
36) BENZENE	10.137	78	856223	10.37	PPBV	100
37) CYCLOHEXANE	10.401	84	438900	11.79	PPBV	99
38) TRICHLOROETHYLENE	11.132	95	556983	10.84	PPBV	99
39) 1,2-DICHLOROPROPANE	10.909	63	278853	9.55	PPBV	100
40) BROMODICHLOROMETHANE	11.095	83	963110	10.08	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.157	57	1656991	11.78	PPBV	99
42) 1,4-DIOXANE	11.122	88	162447	8.36	PPBV	94
43) HEPTANE	11.397	43	613566	12.64	PPBV	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4776a.D
Acq On : 2 Oct 2007 6:15 pm
Operator : danat
Sample : cc246-10 (M112)
Misc : MS14329,MSQ246,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 03 09:46:56 2007
Quant Method : C:\msdchem\1\METHODS\Q100207T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Oct 03 09:29:03 2007
Response via : Initial Calibration

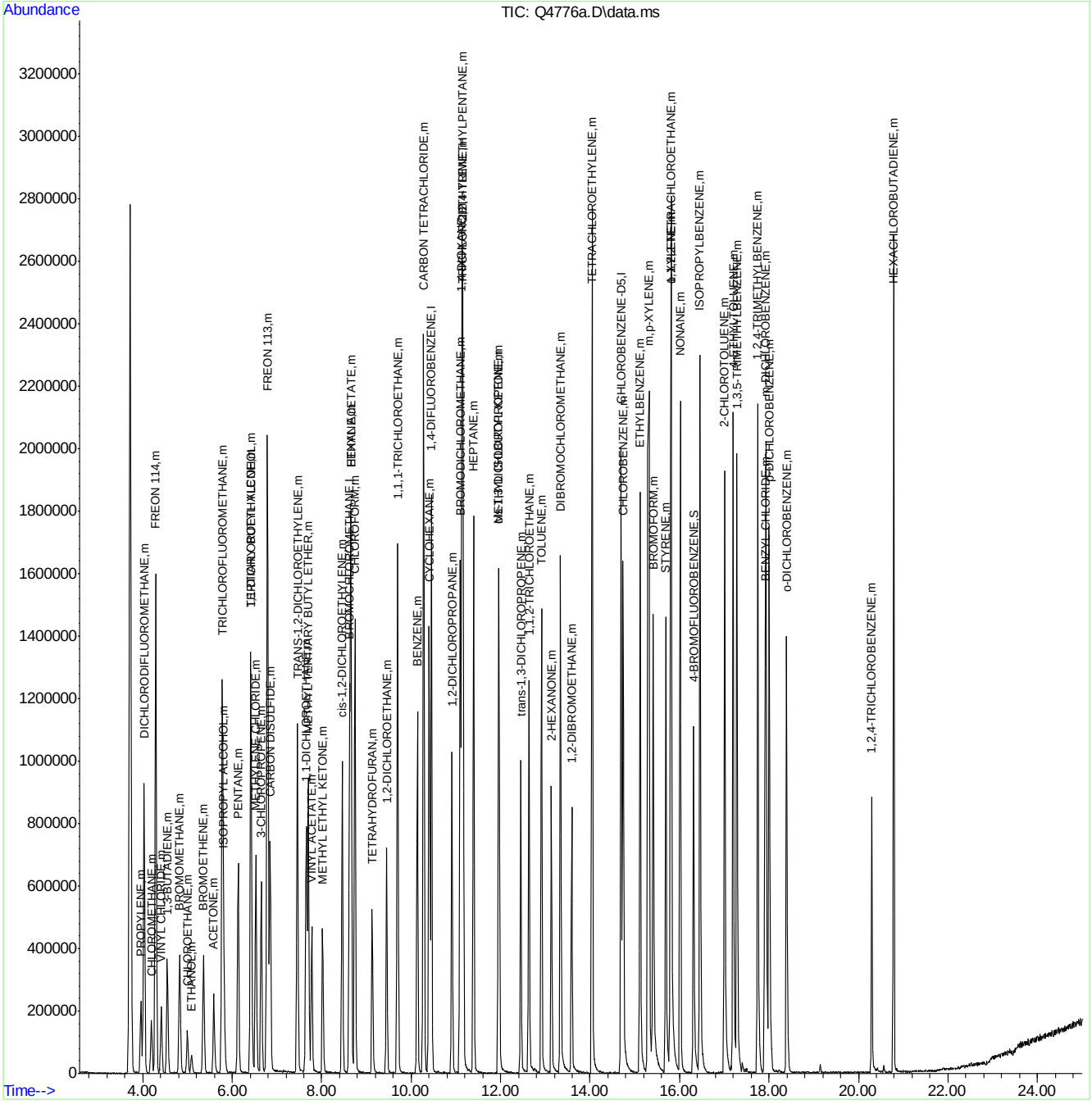
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.965	43	686402	8.51	PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.952	75	446524	10.65	PPBV	99
46) TOLUENE	12.912	92	556592	9.65	PPBV	100
47) trans-1,3-DICHLOROPROPENE	12.451	75	427839	8.77	PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.632	83	288129	9.22	PPBV	99
50) 2-HEXANONE	13.132	43	588323	9.33	PPBV	99
51) TETRACHLOROETHYLENE	14.045	164	529102	10.69	PPBV	98
52) DIBROMOCHLOROMETHANE	13.338	129	823219	9.91	PPBV	99
53) 1,2-DIBROMOETHANE	13.589	107	515998	10.24	PPBV	96
54) CHLOROBENZENE	14.739	112	793040	9.81	PPBV	99
55) ETHYLBENZENE	15.118	91	1288176	8.49	PPBV	100
56) m,p-XYLENE	15.315	106	971435	16.81	PPBV	100
57) o-XYLENE	15.811	106	493374	8.56	PPBV	98
58) STYRENE	15.692	104	677458	9.13	PPBV	100
59) NONANE	16.013	43	736112	9.75	PPBV	99
60) BROMOFORM	15.411	173	760362	10.09	PPBV	97
62) 1,1,2,2-TETRACHLOROETHANE	15.800	83	738910	10.40	PPBV	98
63) ISOPROPYLBENZENE	16.457	105	1485374	10.51	PPBV	100
64) 2-CHLOROTOLUENE	17.009	91	1087327	9.34	PPBV	100
65) 4-ETHYLTOLUENE	17.195	105	1320570	8.61	PPBV	100
66) 1,3,5-TRIMETHYLBENZENE	17.282	105	1172138	8.00	PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.747	105	1168887	9.52	PPBV	100
68) m-DICHLOROBENZENE	17.930	146	700879	10.15	PPBV	99
69) BENZYL CHLORIDE	17.908	91	789300	10.31	PPBV	99
70) p-DICHLOROBENZENE	18.004	146	690363	10.69	PPBV	100
71) o-DICHLOROBENZENE	18.389	146	537667	10.66	PPBV	99
72) HEXACHLOROBUTADIENE	20.787	225	416345	12.56	PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.297	180	229151	23.24	PPBV	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4776a.D
Acq On : 2 Oct 2007 6:15 pm
Operator : danat
Sample : cc246-10 (M112)
Misc : MS14329,MSQ246,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 03 09:46:56 2007
Quant Method : C:\msdchem\1\METHODS\Q100207T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Oct 03 09:29:03 2007
Response via : Initial Calibration



ACCUTEST Laboratories M67846

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4776.D
Acq On : 2 Oct 2007 6:15 pm
Operator : danat
Sample : icv246-10 (M112)
Misc : MS14329,MSQ246,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 03 09:43:12 2007
Quant Method : C:\msdchem\1\METHODS\Q100207T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Oct 03 09:29:03 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.623	128	281951	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.451	114	1252884	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.694	117	1024151	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.315	95	382147	5.10	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 102.00%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.030	85	1068904	6.10	PPBV	99
3) PROPYLENE	3.957	41	153313	6.49	PPBV	90
4) FREON 114	4.289	85	1039454	7.12	PPBV	100
5) CHLOROMETHANE	4.191	50	215339	6.58	PPBV	99
6) VINYL CHLORIDE	4.409	62	268255	7.31	PPBV	99
7) 1,3-BUTADIENE	4.548	39	223610	7.47	PPBV	99
8) BROMOMETHANE	4.827	94	318489	6.89	PPBV	99
9) CHLOROETHANE	4.993	64	120871	7.92	PPBV	99
10) TRICHLOROFLUOROMETHANE	5.778	101	1266332	6.97	PPBV	100
11) ISOPROPYL ALCOHOL	5.813	45	396084	6.34	PPBV	98
12) ACETONE	5.584	43	366204	5.80	PPBV	98
13) PENTANE	6.133	42	282146	7.28	PPBV	98
14) 1,1-DICHLOROETHYLENE	6.417	96	336887	7.79	PPBV	97
15) CARBON DISULFIDE	6.850	76	1128823	8.93	PPBV	99
16) ETHANOL	5.095	45	76952	6.26	PPBV	98
17) BROMOETHENE	5.357	106	318512	7.31	PPBV	100
18) METHYLENE CHLORIDE	6.527	84	318833	8.11	PPBV	97
19) 3-CHLOROPROPENE	6.651	39	382754	9.03	PPBV	98
20) FREON 113	6.788	151	783593	7.92	PPBV	99
21) TRANS-1,2-DICHLOROETHY...	7.459	96	419806	9.76	PPBV	97
22) TERTIARY BUTYL ALCOHOL	6.415	59	614353	8.11	PPBV	99
23) METHYL TERTIARY BUTYL ...	7.695	73	874988	8.96	PPBV	99
24) TETRAHYDROFURAN	9.127	42	263088	8.55	PPBV	99
25) HEXANE	8.653	57	500315	10.13	PPBV	99
26) VINYL ACETATE	7.776	43	662201	9.42	PPBV	99
27) 1,1-DICHLOROETHANE	7.652	63	754008	9.92	PPBV	100
28) METHYL ETHYL KETONE	8.018	43	570854	9.26	PPBV	98
29) cis-1,2-DICHLOROETHYLENE	8.458	96	353604	10.79	PPBV	99
30) ETHYL ACETATE	8.649	43	917911	9.62	PPBV #	100
31) CHLOROFORM	8.743	83	995298	9.64	PPBV	100
32) 1,1,1-TRICHLOROETHANE	9.697	97	1039558	9.43	PPBV	99
33) CARBON TETRACHLORIDE	10.279	117	1303780	9.33	PPBV	100
34) 1,2-DICHLOROETHANE	9.453	62	582019	9.22	PPBV	100
36) BENZENE	10.137	78	856223	10.37	PPBV	100
37) CYCLOHEXANE	10.401	84	438900	11.79	PPBV	99
38) TRICHLOROETHYLENE	11.132	95	556983	10.84	PPBV	99
39) 1,2-DICHLOROPROPANE	10.909	63	278853	9.55	PPBV	100
40) BROMODICHLOROMETHANE	11.095	83	963110	10.08	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.157	57	1656991	11.78	PPBV	99
42) 1,4-DIOXANE	11.122	88	162447	8.36	PPBV	94
43) HEPTANE	11.397	43	613566	12.64	PPBV	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4776.D
Acq On : 2 Oct 2007 6:15 pm
Operator : danat
Sample : icv246-10 (M112)
Misc : MS14329,MSQ246,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 03 09:43:12 2007
Quant Method : C:\msdchem\1\METHODS\Q100207T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Oct 03 09:29:03 2007
Response via : Initial Calibration

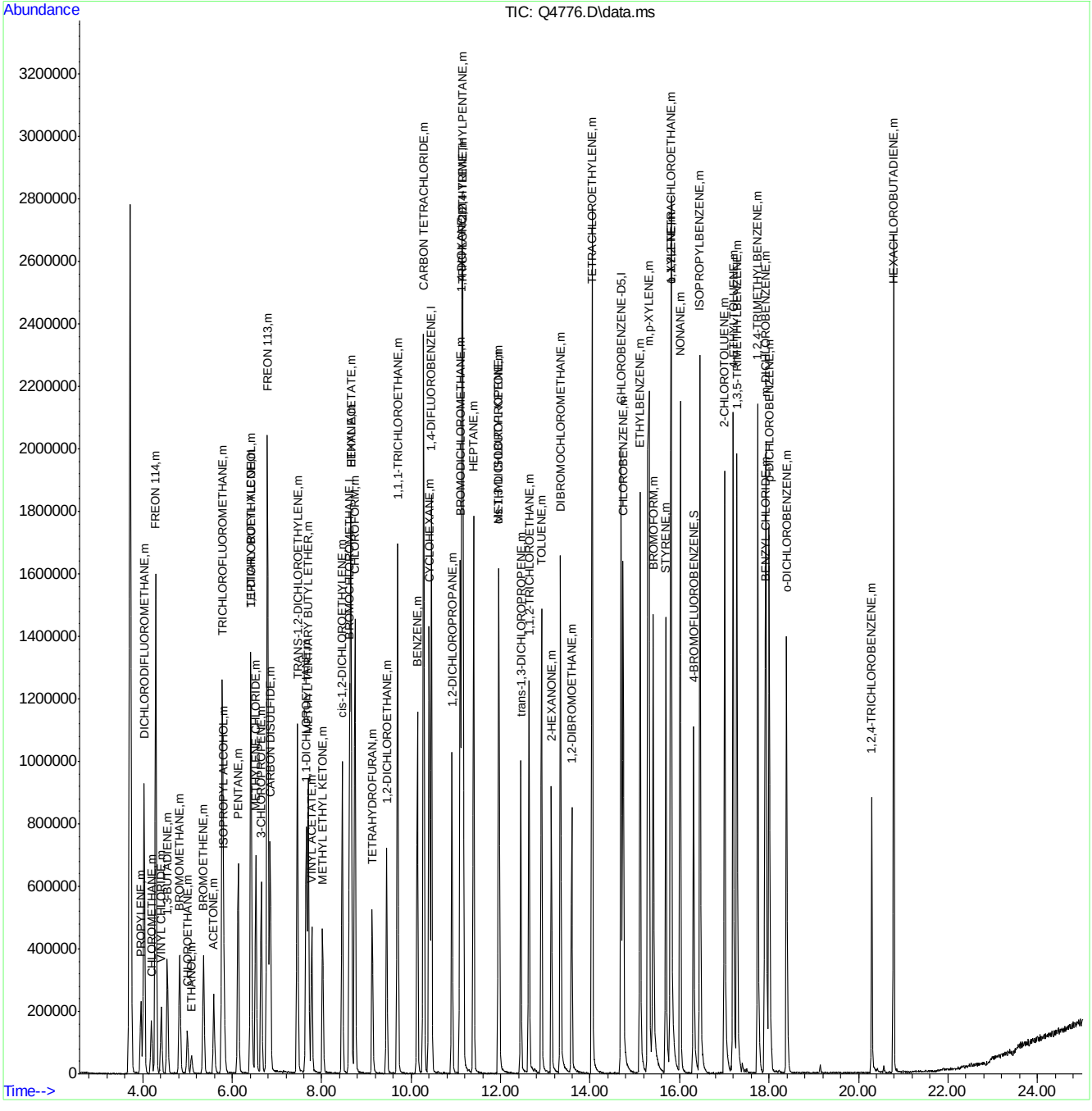
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.965	43	686402	8.51	PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.952	75	446524	10.65	PPBV	99
46) TOLUENE	12.912	92	556592	9.65	PPBV	100
47) trans-1,3-DICHLOROPROPENE	12.451	75	427839	8.77	PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.632	83	288129	9.22	PPBV	99
50) 2-HEXANONE	13.132	43	588323	9.33	PPBV	99
51) TETRACHLOROETHYLENE	14.045	164	529102	10.69	PPBV	98
52) DIBROMOCHLOROMETHANE	13.338	129	823219	9.91	PPBV	99
53) 1,2-DIBROMOETHANE	13.589	107	515998	10.24	PPBV	96
54) CHLOROBENZENE	14.739	112	793040	9.81	PPBV	99
55) ETHYLBENZENE	15.118	91	1288176	8.49	PPBV	100
56) m,p-XYLENE	15.315	106	971435	16.81	PPBV	100
57) o-XYLENE	15.811	106	493374	8.56	PPBV	98
58) STYRENE	15.692	104	677458	9.13	PPBV	100
59) NONANE	16.013	43	736112	9.75	PPBV	99
60) BROMOFORM	15.411	173	760362	10.09	PPBV	97
62) 1,1,2,2-TETRACHLOROETHANE	15.800	83	738910	10.40	PPBV	98
63) ISOPROPYLBENZENE	16.457	105	1485374	10.51	PPBV	100
64) 2-CHLOROTOLUENE	17.009	91	1087327	9.34	PPBV	100
65) 4-ETHYLTOLUENE	17.195	105	1320570	8.61	PPBV	100
66) 1,3,5-TRIMETHYLBENZENE	17.282	105	1172138	8.00	PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.747	105	1168887	9.52	PPBV	100
68) m-DICHLOROBENZENE	17.930	146	700879	10.15	PPBV	99
69) BENZYL CHLORIDE	17.908	91	789300	10.31	PPBV	99
70) p-DICHLOROBENZENE	18.004	146	690363	10.69	PPBV	100
71) o-DICHLOROBENZENE	18.389	146	537667	10.66	PPBV	99
72) HEXACHLOROBUTADIENE	20.787	225	416345	12.56	PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.297	180	229151	23.24	PPBV	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4776.D
Acq On : 2 Oct 2007 6:15 pm
Operator : danat
Sample : icv246-10 (M112)
Misc : MS14329,MSQ246,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 03 09:43:12 2007
Quant Method : C:\msdchem\1\METHODS\Q100207T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Oct 03 09:29:03 2007
Response via : Initial Calibration



Standard Lot #	
Calib STD 1	MSA362
Calib STD 2	MSA363,MSA357
ICV	MSA361,MSA366
Inter/Surr STD	MSA218
BS/BSD	MSA366

File ID	
Tune File 1	J10755
Tune File 2	J10768A
Initial Cal.	6/25/07
ID FILE	J062507T.M
Instrument ID	J
ICAL:	J10768
Column Type:	RTX-1
Sequence Verified By:	DT 6/26/07

Date:	6/25/2007
Analyst:	DANAT
Batch ID:	msj557
Matrix:	AIR
Approved By:	PHILIPB
Date Approved:	6/27/2007 2:47:28 PM

Data File	Sample ID	Bot #	Work Group #	Test	ALS #	Sample Vol (mls)	Diln Factor	Flow controller ID	Comment
J10755	CC552-10	m045	MSA361	VTO15STD	1		1	NA	
J10756	CC552-10	m045	MSA361	VTO15STD	1		1	NA	
J10757	IC557-0.5	m141	MSA363	VTO15STD	2		1	NA	
J10758	IC557-0.2	m141	MSA363	VTO15STD	2		1	NA	
J10759	IC557-2	m141	MSA363	VTO15STD	2		1	NA	Re-run , vinyl acetate missing
J10760	IC557-40	m172	MSA362	VTO15STD	3		1	NA	
J10761	IC557-20	m172	MSA362	VTO15STD	3		1	NA	
J10762	ICC557-10	m172	MSA362	VTO15STD	3		1	NA	
J10763	IC557-5	m172	MSA362	VTO15STD	3		1	NA	
J10764	IC557-2	m141	MSA363	VTO15STD	2		1	NA	Re-run using different standard, vinyl acetate missing.
J10765	IC557-2	m140	MSA357	VTO15STD	2		1	NA	ok
J10766	ICV557-10	m045	MSA361	VTO15STD	1		1	NA	Fails, re-run using different standard. STD Ddegraded
J10767	ICV557-10	m080	MSA366	VTO15STD	1		1	NA	Fails high , re-run
J10768	ICV557-10	m080	MSA366	VTO15STD	1		1	NA	ok
J10768a	CC557-10	m080	MSA366	VTO15STD	1		1	NA	
J10768b	BS	m080	MSA366	VTO15STD	1		1	NA	
J10769	MB	m050	NA	VTO15STD	5		1	NA	
J10770	SCC	m078	NA	VTO15STD	7		1	NA	
J10771	SCC	m094	NA	VTO15STD	9		1	NA	
J10772	SCC	m040	NA	VTO15STD	11		1	NA	
J10773	M65503-1	m132	MS13762	VTO15STD	2		1200	MC119	Re-run @ 6,000x , over calibration.
J10774	M65503-2	m160	MS13762	VTO15STD	3		1200	MC102	Re-run @ 20x , too dilute.
J10775	M65503-1	m132	MS13762	VTO15STD	2		6000	MC119	
J10776	M65503-2	m092	MS13762	VTO15STD	3		20	MC102	
J10777	M65503-1DUP	m132	MS13762	VTO15STD	2		1200	MS119	
J10778	M65530-1	m162	MS13762	VTO15STD	1		1	NA	
J10779	FCB082	m199	NA	VTO15STD	4		1	MC082	
J10780	FCB083	m199	NA	VTO15STD	5		1	MC061	
J10781	FCB084	m201	NA	VTO15STD	6		1	MC001	
J10782	FCB085	m184	NA	VTO15STD	7		1	MC084	
J10783	FCB086	m205	NA	VTO15STD	8		1	MC032	
J10784	SCC	m072	NA	VTO15STD	9		1	NA	
J10785	SCC	m065	NA	VTO15STD	10		1	NA	

J10786	SCC	m019	NA	VTO15STD	11		1	NA	
J10787	M65793-1	m159	MS13828	VTO15STD	12		1	MC112	
J10788	M65794-1	m024	MS13828	VTO15STD	13		1	MC117	Re-run@ 20x , over calibration.
J10789	M65795-1	m165	MS13828	VTO15STD	14		1	MC106	Do not report, possible carry over
J10790	SCC	m188	NA	VTO15STD	4		1	NA	
J10791	M65794-1	m024	MS13828	VTO15STD	13		20	MC117	
J10792	M65795-1	m165	MS13828	VTO15STD	14		1	MC106	

Standard Lot #	
Calib STD 1	MSA366
Calib STD 2	NA
ICV	NA
Inter/Surr STD	MSA218
BS/BSD	MSA366

File ID	
Tune File 1	J10841
Tune File 2	NA
Initial Cal.	6/25/07
ID FILE	J062507T.M
Instrument ID	J
ICAL:	
Column Type:	RTX-1
Sequence Verified By:	DT 7/5/07

Date:	7/3/2007
Analyst:	DANAT
Batch ID:	msj561
Matrix:	AIR
Approved By:	DOUGY
Date Approved:	7/10/2007 12:26:49 PM

Data File	Sample ID	Bot #	Work Group #	Test	ALS #	Sample Vol (mls)	Diln Factor	Flow controller ID	Comment
J10840	CC557-10	m080	MSA366		1		1		Fails high , re-run.
J10841	CC557-10	m080	MSA366		1		1		Fails high again, ok for cert blanks.
J10841a	BS	m080	MSA366		1		1		
J10842	BLANK	m132			2		1		
J10843	MB	m132			2		1		
J10844	SCC	m129			3		1		
J10845	SCC	m058			4		1		
J10846	M65942-2	m111	MS13857	VTO15STD	5		1		Report BTXM and ethanol only.
J10847	M65942-2DUP	m111			5		1		
J10848	SCC	m001			6		1		
J10849	SCC	m159			7		1		
J10850	SCC	m165			8		1		
J10851	SCC	m221			9		1		
J10852	SCC	m024			10		1		
J10853	SCC	m092			11		1		
J10854	SCC	m155			12		1		
J10855	SCC	m163			13		1		
J10856	SCC	m212			14		1		
J10857	SCC	m216			15		1		
J10858	SCC	m215			16		1		

Accutest Laboratories of New England, Inc.

MS Analysis Log

Instrument: GCMS Q

BATCH DATA	
DATE	10/2/07
BATCH ID	MSQ246
ANALYST	JT

ALS DATA	
METHOD	TO15
NAMELIST	NA
QC FILE	NA

GC/MS DATA	
METHOD	Q100207.M
SEQ	Q100207.S
ICAL ICV	Q4776

STANDARD DATA		
LOT#	DESCRIPTION	CONC
MSA3910	Int/Surr	40/20 ppbv
MSA4119	TO15 Std	40 ppbv
MSA4121	TO15 Std	2 ppbv
MSA4118	TO15 LCS	40 ppbv
MSA4123	TO15 LCS	40 ppbv

Sequence Verified: 10/3/07

DATA FILE	SAMPLE ID	CANISTER SERIAL #	TEST	WORK GROUP	ALS	VOL SAMPLE	DIL FACT.	COMMENTS
Q4765	IC246-0.5	M051	TO15	MSA4121	1	100		
Q4766	IC246-0.2	M051		MSA4121	1	40		
Q4767	IC246-40	M010		MSA4119	2	400		
Q4768	IC246-20	M010		MSA4119	2	200		RR Int ↓
Q4769	ICC246-10	M010		MSA4119	2	~~200~~ 400		RR Int ↓
Q4770	blank ~~IC246-5~~	~~M055~~ M010		MSA4119	~~2~~ 1	~~50~~ 400		
Q4771	ICC246-10 ~~IC246-2~~	M010		MSA4119	2	~~20~~ 100		
Q4772	IC246-5	M010		MSA4119	2	50		
Q4773	IC246-2	M010		MSA4119	2	20		
Q4774	IC246-20	M010		MSA4119	2	200		
Q4775	ICV246-10	M002		MSA4118	3	100		compounds # 5,8,67,68,69,70,73 fail low, Remake Std & RR
Q4776	ICV246-10	M112		MSA4123	3	100		Compounds # 2,3,5,8,10,11,12,16 fail low, Good for GEI Short list
Q4776A	CCV246-10 ~~ICV246-10~~	M112		MSA4123	3	100		
Q4776B	BS	M112		MSA4123	3	100		
Q4777	blank	M138			4	400		
Q4778	MB	M138			4	400		
Q4779	M67846-1	M024	TO15 GEI short list	MS4329	5	400	1	
Q4780	M67846-2	M001			6	400	1	
Q4781	dup	M001			6	400	1	
Q4782	M67847-1	M212			7	400	1	
Q4783	M67847-2	M039			8	400	1	
Q4784	M67848-1	M143			9	400	1	
Q4785	M67848-2	M048			10	400	1	

10/2/07

QA Review: 10/4/07

ACCUTEST Laboratories M67846