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: M67847

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: **373**

ACCREDITED IN ACCORDANCE WITH nelac

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

Reza Tand
Lab Director

ACCUTEST LABORATORIES 50 YEARS 1956-2006

Client Service contact: Kristen Blanchard 508-481-6200

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

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Test results relate only to samples analyzed.

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Sample Summary

GEI Consultants, Inc.

Job No: M67847

GEI Tufts Street Somerville MA
Project No: 045162

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
M67847-1	09/17/07	17:31	SLS	09/19/07	AIR	Air	045162-80FRAN-1
M67847-2	09/17/07	17:32	SLS	09/19/07	AIR	Air	045162-80FRAN-B

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	GEI Consultants, Inc.	**Job No**	M67847
Site:	GEI Tufts Street Somerville MA	**Report Date**	10/3/2007 5:04:57 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 M67847. 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(M67847).

Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Client Sample ID:	045162-80FRAN-1		
Lab Sample ID:	M67847-1	**Date Sampled:**	09/17/07
Matrix:	AIR - Air Summa ID: M212	**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	Q4782.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	0.093	0.20	ppbv	J	0.59	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	86%		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:	045162-80FRAN-B		
Lab Sample ID:	M67847-2	**Date Sampled:**	09/17/07
Matrix:	AIR - Air Summa ID: M039	**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	Q4783.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	0.091	0.20	ppbv	J	0.57	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	92%		57-139%

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

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

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

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

ACCUTEST Laboratories

CHAIN OF CUSTODY

Air Sampling Field Data Sheet

FED-EX Tracking #: | Bottle Order Control #: | Lab Chkbk #: | Lab Job #: M67847

PAGE ___ OF ___

Client / Reporting Information

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

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

Weather Parameters

Temperature (Fahrenheit) Start: 63.3 Maximum: Stop: 70.7 Minimum:
Atmospheric Pressure (inches of Hg) Start: 30.48 Maximum: Stop: 30.45 Minimum:
Other weather comment:

Lab Sample #	Field ID / Point of Collection	Air Type: Indoor(I) Sol. Vap(SV) Ambient(A)	Sampling Equipment Info: Canister Serial #	Canister Size 6L or 1L	Flow Controller Serial #	Start Sampling Information: Date	Time (24hr clock)	Canister Pressure ("Hg)	Interior Temp (F)	Sampler Init.	Stop Sampling Information: Date	Time (24hr clock)	Canister Pressure ("Hg)	Interior Temp (F)	Sampler Init.	Requested Analysis: Standard TO-15 Reporting List	MA DEP APH
-1	045162-SOFran-1	I	M212	6L	MC032	9.17.07	1311	29	71.7	SLS	9.17.07	1731	4	71.0	SLS		
-2	045162-SOFran-B	I	M039	6L	MC079	9.17.07	1313	30	69.4	SLS	9.17.07	1732	3	70.3	SLS		

Turnaround Time / Business days

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

Approved By:
Date:

Data Deliverable Information

Comm A
Comm B
Full T1
Other:

Comments / Remarks

Please see attached list of analytes.

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

Relinquished by Laboratory:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1		1	2 GEI Lab	9.17.07 1215	2 Samantha Slater
3 Samantha Slater	9.17.07 1830	3 Will akill 9/19/07	4 Will akill	9/19/07 1820	4 Will akill
5		5	Custody Seal #		

SM013-01 (2/14/06)

4.1 4

M67847: Chain of Custody
Page 1 of 2

Indoor Air Sampling Analyte List

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

Summa Canister and Flow Controller Log

Job Number: M67847
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
M212	6	29.4	07/12/07	DFT	CP439	J10872.D	M67847-1	09/21/07	DFT	3			1
M039	6	29.4	07/12/07	DFT	CP442	J10883.D	M67847-2	09/21/07	DFT	2.4			1

FLOW CONTROLLERS

Shipping					Receiving		
Flow Crtl ID	Date Out	By	cc/ min	Time hrs.	Date In	By	cc/ min
MC032	08/21/07	DFT	20	4	09/21/07	DFT	20
MC079	08/21/07	DFT	20	4	09/21/07	DFT	20.9

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: M67847

GEI Tufts Street Somerville MA
Project No: 045162

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
M67847-1	Collected: 17-SEP-07 17:31	By: SLS	Received: 19-SEP-07	By: NT		
045162-80FRAN-1						
M67847-1	TO-15	02-OCT-07 22:36	DFT			VTO15STD
M67847-2	Collected: 17-SEP-07 17:32	By: SLS	Received: 19-SEP-07	By: NT		
045162-80FRAN-B						
M67847-2	TO-15	02-OCT-07 23:19	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: M67847
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

M67847-1, M67847-2

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: M67847
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%

Method Blank Summary

Job Number: M67847
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSJ562-MB	J10870.D	1	07/05/07	DFT	n/a	n/a	MSJ562

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

MSJ562-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	90%	57-139%

Blank Spike Summary

Job Number: M67847
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

M67847-1, M67847-2

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: M67847
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.

Blank Spike Summary

Job Number: M67847
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSJ562-BS	J10868B.D	1	07/05/07	DFT	n/a	n/a	MSJ562

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

MSJ562-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	Limits
75-00-3	Chloroethane	10	10.6	106	70-130
56-23-5	Carbon tetrachloride	10	10.3	103	70-130
75-34-3	1,1-Dichloroethane	10	10.3	103	70-130
75-35-4	1,1-Dichloroethylene	10	10.2	102	70-130
107-06-2	1,2-Dichloroethane	10	11.1	111	70-130
156-60-5	trans-1,2-Dichloroethylene	10	10.5	105	70-130
156-59-2	cis-1,2-Dichloroethylene	10	10.4	104	70-130
71-55-6	1,1,1-Trichloroethane	10	10.3	103	70-130
79-34-5	1,1,2,2-Tetrachloroethane	10	11.6	116	70-130
79-00-5	1,1,2-Trichloroethane	10	11.8	118	70-130
127-18-4	Tetrachloroethylene	10	11.5	115	70-130
79-01-6	Trichloroethylene	10	11.3	113	70-130
75-01-4	Vinyl chloride	10	10.5	105	70-130

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

Duplicate Summary

Job Number: M67847
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

M67847-1, M67847-2

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: M67847
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	J10856.D	1	07/03/07	DFT	n/a	n/a	MSJ561

The QC reported here (Summa M212) applies to the following samples: **Method:** TO-15

Batch CP439 cleaned 06/28/07: M67847-1(M212)

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	84%	57-139%

Summa Cleaning Certification

Job Number: M67847
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSJ562-SCC	J10878.D	1	07/06/07	DFT	n/a	n/a	MSJ562

The QC reported here (Summa M039) applies to the following samples: **Method:** TO-15

Batch CP442 cleaned 07/03/07: M67847-2(M039)

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	88%	57-139%

Instrument Performance Check (BFB)

Job Number: M67847
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: M67847
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 M67847)
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: M67847
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSJ562-BFB
Lab File ID: J10860.D
Instrument ID: GCMSJ
Injection Date: 07/05/07
Injection Time: 10:47

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	19975	21.6		Pass
75	30.0 - 66.0% of mass 95	48614	52.6		Pass
95	Base peak, 100% relative abundance	92470	100.0		Pass
96	5.0 - 9.0% of mass 95	6965	7.5		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 120.0% of mass 95	88639	95.9		Pass
175	4.0 - 9.0% of mass 174	4877	5.3	(5.5) [a]	Pass
176	93.0 - 101.0% of mass 174	84398	91.3	(95.2) [a]	Pass
177	5.0 - 9.0% of mass 176	5762	6.2	(6.8) [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
MSJ562-IC562	J10860.D	07/05/07	10:47	00:00	Initial cal 0.5
MSJ562-IC562	J10861.D	07/05/07	11:40	00:53	Initial cal 0.2
MSJ562-IC562	J10863.D	07/05/07	13:26	02:39	Initial cal 40
MSJ562-IC562	J10864.D	07/05/07	14:22	03:35	Initial cal 20
MSJ562-ICC562	J10865.D	07/05/07	15:15	04:28	Initial cal 10
MSJ562-IC562	J10866.D	07/05/07	16:08	05:21	Initial cal 5
MSJ562-IC562	J10867.D	07/05/07	16:59	06:12	Initial cal 2
MSJ562-ICV562	J10868.D	07/05/07	17:56	07:09	Initial cal verification 10

Instrument Performance Check (BFB)

Job Number: M67847
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSJ562-BFB
Lab File ID: J10868A.D
Instrument ID: GCMSJ
Injection Date: 07/05/07
Injection Time: 17:56

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	47380	20.7		Pass
75	30.0 - 66.0% of mass 95	114612	50.0		Pass
95	Base peak, 100% relative abundance	229440	100.0		Pass
96	5.0 - 9.0% of mass 95	17680	7.7		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 120.0% of mass 95	218688	95.3		Pass
175	4.0 - 9.0% of mass 174	10052	4.4	(4.6) [a]	Pass
176	93.0 - 101.0% of mass 174	212064	92.4	(97.0) [a]	Pass
177	5.0 - 9.0% of mass 176	14698	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
MSJ562-CC562	J10868A.D	07/05/07	17:56	00:00	Continuing cal 10
MSJ562-BS	J10868B.D	07/05/07	17:56	00:00	Blank Spike
MSJ562-SCC	J10870A.D	07/05/07	19:53	01:57	Summa Cleaning Certification
MSJ562-MB	J10870.D	07/05/07	19:53	01:57	Method Blank
MSJ562-SCC	J10871.D	07/05/07	20:51	02:55	Summa Cleaning Certification
MSJ562-SCC	J10872.D	07/05/07	21:47	03:51	Summa Cleaning Certification
MSJ562-SCC	J10873.D	07/05/07	22:39	04:43	Summa Cleaning Certification
MSJ562-SCC	J10874.D	07/05/07	23:32	05:36	Summa Cleaning Certification
MSJ562-SCC	J10875.D	07/06/07	00:25	06:29	Summa Cleaning Certification
MSJ562-SCC	J10876.D	07/06/07	01:18	07:22	Summa Cleaning Certification
MSJ562-SCC	J10877.D	07/06/07	02:10	08:14	Summa Cleaning Certification
MSJ562-SCC	J10878.D	07/06/07	03:02	09:06	Summa Cleaning Certification
MSJ562-SCC	J10879.D	07/06/07	03:54	09:58	Summa Cleaning Certification
MSJ562-SCC	J10880.D	07/06/07	04:44	10:48	Summa Cleaning Certification
MSJ562-SCC	J10881.D	07/06/07	05:36	11:40	Summa Cleaning Certification
MSJ562-SCC	J10882.D	07/06/07	06:28	12:32	Summa Cleaning Certification
MSJ562-SCC	J10883.D	07/06/07	07:20	13:24	Summa Cleaning Certification
MSJ562-SCC	J10885.D	07/06/07	09:47	15:51	Summa Cleaning Certification
MSJ562-SCC	J10886.D	07/06/07	10:37	16:41	Summa Cleaning Certification
MSJ562-SCC	J10887.D	07/06/07	11:29	17:33	Summa Cleaning Certification
M65994-1	J10888.D	07/06/07	12:22	18:26	(used for QC only; not part of job M67847)
M65994-1	J10890.D	07/06/07	14:05	20:09	(used for QC only; not part of job M67847)
ZZZZZZ	J10891.D	07/06/07	14:57	21:01	(unrelated sample)
M65994-1DUP	J10892.D	07/06/07	15:47	21:51	Duplicate

Instrument Performance Check (BFB)

Job Number: M67847
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: M67847
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
ZZZZZZ	Q4779.D	10/02/07	20:28	02:13	(unrelated sample)
M67846-2	Q4780.D	10/02/07	21:10	02:55	(used for QC only; not part of job M67847)
M67846-2DUP	Q4781.D	10/02/07	21:53	03:38	Duplicate
M67847-1	Q4782.D	10/02/07	22:36	04:21	045162-80FRAN-1
M67847-2	Q4783.D	10/02/07	23:19	05:04	045162-80FRAN-B
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: M67847
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: M67847
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Check Std:	MSJ562-CC562	**Injection Date:**	07/05/07
Lab File ID:	J10868A.D	**Injection Time:**	17:56
Instrument ID:	GCMSJ	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	347038	8.60	1501760	10.43	1335133	14.67
Upper Limit [a]	485853	8.93	2102464	10.76	1869186	15.00
Lower Limit [b]	208223	8.27	901056	10.10	801080	14.34

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
MSJ562-BS	347038	8.60	1501760	10.43	1335133	14.67
MSJ562-SCC	294344	8.61	1133134	10.42	969402	14.66
MSJ562-MB	294344	8.61	1133134	10.42	969402	14.66
MSJ562-SCC	294169	8.59	1114530	10.42	964213	14.66
MSJ562-SCC	329350	8.61	1354559	10.42	1181161	14.66
MSJ562-SCC	323703	8.60	1285820	10.42	1150732	14.66
MSJ562-SCC	280578	8.62	1016162	10.43	911895	14.67
MSJ562-SCC	327828	8.61	1276874	10.42	1150146	14.66
MSJ562-SCC	322604	8.62	1280014	10.43	1148696	14.66
MSJ562-SCC	322133	8.61	1258108	10.43	1127027	14.66
MSJ562-SCC	324117	8.60	1259480	10.42	1131688	14.66
MSJ562-SCC	295333	8.62	1105346	10.43	958091	14.66
MSJ562-SCC	326597	8.61	1277512	10.43	1140663	14.66
MSJ562-SCC	321143	8.61	1250061	10.43	1099502	14.66
MSJ562-SCC	326078	8.62	1269000	10.43	1117672	14.67
MSJ562-SCC	315751	8.60	1203042	10.42	1088013	14.66
MSJ562-SCC	329318	8.62	1279216	10.44	1161712	14.67
MSJ562-SCC	331649	8.62	1287275	10.43	1186205	14.67
MSJ562-SCC	334082	8.62	1294221	10.43	1156038	14.66
M65994-1	343201	8.62	1377355	10.44	1230677	14.67
M65994-1	346884	8.62	1444823	10.43	1339609	14.67
ZZZZZZ	322389	8.62	1282083	10.43	1124486	14.67
M65994-1DUP	313094	8.62	1185553	10.44	1101242	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: M67847
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
ZZZZZZ	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
M67847-1	299332	8.62	1320010	10.45	1101610	14.69
M67847-2	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: M67847
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: M67847
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: M67847
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: M67847
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: M67847
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: M67847
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: M67847
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: M67847
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: M67847
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: M67847
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: M67847
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: M67847
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: M67847
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: M67847
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: M67847
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ562-IC562	J10860.D	07/05/07 10:47	DFT	0.5	GCMSJ	TO-15	Reporting this level
MSJ562-IC562	J10861.D	07/05/07 11:40	DFT	0.2	GCMSJ	TO-15	
MSJ562-IC562	J10863.D	07/05/07 13:26	DFT	40	GCMSJ	TO-15	
MSJ562-IC562	J10864.D	07/05/07 14:22	DFT	20	GCMSJ	TO-15	
MSJ562-ICC562	J10865.D	07/05/07 15:15	DFT	10	GCMSJ	TO-15	
MSJ562-IC562	J10866.D	07/05/07 16:08	DFT	5	GCMSJ	TO-15	
MSJ562-IC562	J10867.D	07/05/07 16:59	DFT	2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.69	8.62	0.660	ok	0.658	0.598-0.718
1,3-Butadiene	4.58	8.62	0.531	ok	0.531	0.471-0.591
Benzene	10.12	10.44	0.969	ok	0.970	0.910-1.030
Bromodichloromethane	11.09	10.44	1.062	ok	1.062	1.002-1.122
Bromoform	15.39	14.67	1.049	ok	1.050	0.990-1.110
Bromomethane	4.86	8.62	0.564	ok	0.563	0.503-0.623
Bromoethene	5.38	8.62	0.624	ok	0.624	0.564-0.684
Benzyl Chloride	17.89	14.67	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	14.71	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	4.23	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	16.98	14.67	1.157	ok	1.158	1.098-1.218
Carbon tetrachloride	10.25	8.62	1.189	ok	1.190	1.130-1.250
Cyclohexane	10.37	10.44	0.993	ok	0.993	0.933-1.053
1,1-Dichloroethane	7.65	8.62	0.887	ok	0.887	0.827-0.947
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	11.28	10.44	1.080	ok	1.074	1.014-1.134
Dichlorodifluoromethane	4.06	8.62	0.471	ok	0.472	0.412-0.532
Dibromochloromethane	13.32	14.67	0.908	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.45	8.62	0.864	ok	0.864	0.804-0.924
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	1.144	1.084-1.204
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	1.226	1.166-1.286
trans-1,3-Dichloropropene	12.44	10.44	1.192	ok	1.193	1.133-1.253
Ethanol	5.32	8.62	0.617	ok	0.608	0.548-0.668
Ethylbenzene	15.09	14.67	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.71	8.62	1.010	ok	1.010	0.950-1.070
4-Ethyltoluene	17.16	14.67	1.170	ok	1.170	1.110-1.230
Freon 113	6.79	8.62	0.788	ok	0.787	0.727-0.847
Freon 114	4.33	8.62	0.502	ok	0.501	0.441-0.561
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	8.62	1.001	ok	1.001	0.941-1.061

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67847
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ562-IC562	J10860.D	07/05/07 10:47	DFT	0.5	GCMSJ	TO-15	Reporting this level
MSJ562-IC562	J10861.D	07/05/07 11:40	DFT	0.2	GCMSJ	TO-15	
MSJ562-IC562	J10863.D	07/05/07 13:26	DFT	40	GCMSJ	TO-15	
MSJ562-IC562	J10864.D	07/05/07 14:22	DFT	20	GCMSJ	TO-15	
MSJ562-ICC562	J10865.D	07/05/07 15:15	DFT	10	GCMSJ	TO-15	
MSJ562-IC562	J10866.D	07/05/07 16:08	DFT	5	GCMSJ	TO-15	
MSJ562-IC562	J10867.D	07/05/07 16:59	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	14.67	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	6.07	8.62	0.704	ok	0.696	0.636-0.756
Methylene chloride	6.55	8.62	0.760	ok	0.759	0.699-0.819
Methyl ethyl ketone	8.10	8.62	0.940	ok	0.939	0.879-0.999
Methyl Isobutyl Ketone	12.02	10.44	1.151	ok	1.151	1.091-1.211
Methyl Tert Butyl Ether	7.75	8.62	0.899	ok	0.898	0.838-0.958
Nonane	15.97	14.67	1.089	ok	1.088	1.028-1.148
Pentane	6.13	8.62	0.711	ok	0.711	0.651-0.771
Propylene	4.00	8.62	0.464	ok	0.464	0.404-0.524
Styrene	15.67	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	1.210	1.150-1.270
1,2,4-Trichlorobenzene	20.28	14.67	1.382	ok	1.382	1.322-1.442
1,2,4-Trimethylbenzene	17.72	14.67	1.208	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.25	14.67	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.12	10.44	1.065	ok	1.066	1.006-1.126
Tertiary Butyl Alcohol	6.69	8.62	0.776	ok	0.767	0.707-0.827
Tetrachloroethylene	14.01	14.67	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	9.23	8.62	1.071	ok	1.066	1.006-1.126
Toluene	12.88	10.44	1.234	ok	1.235	1.175-1.295
Trichloroethylene	11.11	10.44	1.064	ok	1.065	1.005-1.125
Trichlorofluoromethane	5.79	8.62	0.672	ok	0.671	0.611-0.731
Vinyl chloride	4.45	8.62	0.516	ok	0.516	0.456-0.576
Vinyl Acetate	7.81	8.62	0.906	ok	0.905	0.845-0.965
m,p-Xylene	15.27	14.67	1.041	ok	1.041	0.981-1.101
o-Xylene	15.78	14.67	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.62	ok	8.62	8.29-8.95	309281	ok	333675	200205-467145
1,4-Difluorobenzene	10.44	ok	10.43	10.10-10.76	1310708	ok	1414039	848423-1979655
Chlorobenzene-D5	14.67	ok	14.67	14.34-15.00	1115339	ok	1228766	737260-1720272

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67847
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ562-IC562	J10860.D	07/05/07 10:47	DFT	0.5	GCMSJ	TO-15	
MSJ562-IC562	J10861.D	07/05/07 11:40	DFT	0.2	GCMSJ	TO-15	Reporting this level
MSJ562-IC562	J10863.D	07/05/07 13:26	DFT	40	GCMSJ	TO-15	
MSJ562-IC562	J10864.D	07/05/07 14:22	DFT	20	GCMSJ	TO-15	
MSJ562-ICC562	J10865.D	07/05/07 15:15	DFT	10	GCMSJ	TO-15	
MSJ562-IC562	J10866.D	07/05/07 16:08	DFT	5	GCMSJ	TO-15	
MSJ562-IC562	J10867.D	07/05/07 16:59	DFT	2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.70	8.61	0.662	ok	0.658	0.598-0.718
1,3-Butadiene	4.58	8.61	0.532	ok	0.531	0.471-0.591
Benzene	10.11	10.43	0.969	ok	0.970	0.910-1.030
Bromodichloromethane	11.08	10.43	1.062	ok	1.062	1.002-1.122
Bromoform	15.39	14.66	1.050	ok	1.050	0.990-1.110
Bromomethane	4.84	8.61	0.562	ok	0.563	0.503-0.623
Bromoethene	5.38	8.61	0.625	ok	0.624	0.564-0.684
Benzyl Chloride	17.89	14.66	1.220	ok	1.219	1.159-1.279
Carbon disulfide	6.84	8.61	0.794	ok	0.794	0.734-0.854
Chlorobenzene	14.71	14.66	1.003	ok	1.003	0.943-1.063
Chloroethane	5.02	8.61	0.583	ok	0.583	0.523-0.643
Chloroform	8.73	8.61	1.014	ok	1.014	0.954-1.074
Chloromethane	4.23	8.61	0.491	ok	0.491	0.431-0.551
Carbon tetrachloride	10.25	8.61	1.190	ok	1.190	1.130-1.250
1,1-Dichloroethane	7.65	8.61	0.889	ok	0.887	0.827-0.947
1,1-Dichloroethylene	6.42	8.61	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	8.61	1.096	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.89	10.43	1.044	ok	1.044	0.984-1.104
Dichlorodifluoromethane	4.06	8.61	0.472	ok	0.472	0.412-0.532
Dibromochloromethane	13.32	14.66	0.909	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.46	8.61	0.866	ok	0.864	0.804-0.924
cis-1,2-Dichloroethylene	8.45	8.61	0.981	ok	0.981	0.921-1.041
m-Dichlorobenzene	17.91	14.66	1.222	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.37	14.66	1.253	ok	1.252	1.192-1.312
p-Dichlorobenzene	17.98	14.66	1.226	ok	1.226	1.166-1.286
Ethyl Acetate	8.73	8.61	1.014	ok	1.010	0.950-1.070
Freon 113	6.78	8.61	0.787	ok	0.787	0.727-0.847
Freon 114	4.32	8.61	0.502	ok	0.501	0.441-0.561
Hexachlorobutadiene	20.76	14.66	1.416	ok	1.415	1.355-1.475
Hexane	8.62	8.61	1.001	ok	1.001	0.941-1.061
Methylene chloride	6.54	8.61	0.760	ok	0.759	0.699-0.819
Methyl ethyl ketone	8.13	8.61	0.944	ok	0.939	0.879-0.999
Methyl Tert Butyl Ether	7.77	8.61	0.902	ok	0.898	0.838-0.958
Pentane	6.14	8.61	0.713	ok	0.711	0.651-0.771
Propylene	4.00	8.61	0.465	ok	0.464	0.404-0.524
1,1,1-Trichloroethane	9.67	8.61	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	1.210	1.150-1.270
1,2,4-Trichlorobenzene	20.27	14.66	1.383	ok	1.382	1.322-1.442
2,2,4-Trimethylpentane	11.12	10.43	1.066	ok	1.066	1.006-1.126

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67847
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ562-IC562	J10860.D	07/05/07 10:47	DFT	0.5	GCMSJ	TO-15	
MSJ562-IC562	J10861.D	07/05/07 11:40	DFT	0.2	GCMSJ	TO-15	Reporting this level
MSJ562-IC562	J10863.D	07/05/07 13:26	DFT	40	GCMSJ	TO-15	
MSJ562-IC562	J10864.D	07/05/07 14:22	DFT	20	GCMSJ	TO-15	
MSJ562-ICC562	J10865.D	07/05/07 15:15	DFT	10	GCMSJ	TO-15	
MSJ562-IC562	J10866.D	07/05/07 16:08	DFT	5	GCMSJ	TO-15	
MSJ562-IC562	J10867.D	07/05/07 16:59	DFT	2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Tetrachloroethylene	14.01	14.66	0.956	ok	0.955	0.895-1.015
Trichloroethylene	11.10	10.43	1.064	ok	1.065	1.005-1.125
Trichlorofluoromethane	5.79	8.61	0.672	ok	0.671	0.611-0.731
Vinyl chloride	4.44	8.61	0.516	ok	0.516	0.456-0.576
m,p-Xylene	15.25	14.66	1.040	ok	1.041	0.981-1.101

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.61	ok	8.62	8.29-8.95	314205	ok	333675	200205-467145
1,4-Difluorobenzene	10.43	ok	10.43	10.10-10.76	1315959	ok	1414039	848423-1979655
Chlorobenzene-D5	14.66	ok	14.67	14.34-15.00	1039945	ok	1228766	737260-1720272

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67847
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ562-IC562	J10860.D	07/05/07 10:47	DFT	0.5	GCMSJ	TO-15	
MSJ562-IC562	J10861.D	07/05/07 11:40	DFT	0.2	GCMSJ	TO-15	
MSJ562-IC562	J10863.D	07/05/07 13:26	DFT	40	GCMSJ	TO-15	Reporting this level
MSJ562-IC562	J10864.D	07/05/07 14:22	DFT	20	GCMSJ	TO-15	
MSJ562-ICC562	J10865.D	07/05/07 15:15	DFT	10	GCMSJ	TO-15	
MSJ562-IC562	J10866.D	07/05/07 16:08	DFT	5	GCMSJ	TO-15	
MSJ562-IC562	J10867.D	07/05/07 16:59	DFT	2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.64	8.62	0.654	ok	0.658	0.598-0.718
1,3-Butadiene	4.57	8.62	0.530	ok	0.531	0.471-0.591
Benzene	10.13	10.45	0.969	ok	0.970	0.910-1.030
Bromodichloromethane	11.11	10.45	1.063	ok	1.062	1.002-1.122
Bromoform	15.44	14.70	1.050	ok	1.050	0.990-1.110
Bromomethane	4.85	8.62	0.563	ok	0.563	0.503-0.623
Bromoethene	5.37	8.62	0.623	ok	0.624	0.564-0.684
Benzyl Chloride	17.91	14.70	1.218	ok	1.219	1.159-1.279
Carbon disulfide	6.83	8.62	0.792	ok	0.794	0.734-0.854
Chlorobenzene	14.74	14.70	1.003	ok	1.003	0.943-1.063
Chloroethane	5.01	8.62	0.581	ok	0.583	0.523-0.643
Chloroform	8.75	8.62	1.015	ok	1.014	0.954-1.074
Chloromethane	4.23	8.62	0.491	ok	0.491	0.431-0.551
3-Chloropropene	6.65	8.62	0.771	ok	0.772	0.712-0.832
2-Chlorotoluene	17.01	14.70	1.157	ok	1.158	1.098-1.218
Carbon tetrachloride	10.26	8.62	1.190	ok	1.190	1.130-1.250
Cyclohexane	10.36	10.45	0.991	ok	0.993	0.933-1.053
1,1-Dichloroethane	7.65	8.62	0.887	ok	0.887	0.827-0.947
1,1-Dichloroethylene	6.41	8.62	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	9.46	8.62	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	11.20	10.45	1.072	ok	1.074	1.014-1.134
Dichlorodifluoromethane	4.07	8.62	0.472	ok	0.472	0.412-0.532
Dibromochloromethane	13.36	14.70	0.909	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.44	8.62	0.863	ok	0.864	0.804-0.924
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	14.70	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	18.00	14.70	1.224	ok	1.226	1.166-1.286
trans-1,3-Dichloropropene	12.47	10.45	1.193	ok	1.193	1.133-1.253
Ethanol	5.23	8.62	0.607	ok	0.608	0.548-0.668
Ethylbenzene	15.12	14.70	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.70	8.62	1.009	ok	1.010	0.950-1.070
4-Ethyltoluene	17.19	14.70	1.169	ok	1.170	1.110-1.230
Freon 113	6.77	8.62	0.785	ok	0.787	0.727-0.847
Freon 114	4.32	8.62	0.501	ok	0.501	0.441-0.561
Heptane	11.37	10.45	1.088	ok	1.088	1.028-1.148
Hexachlorobutadiene	20.76	14.70	1.412	ok	1.415	1.355-1.475
Hexane	8.62	8.62	1.000	ok	1.001	0.941-1.061

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67847
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ562-IC562	J10860.D	07/05/07 10:47	DFT	0.5	GCMSJ	TO-15	
MSJ562-IC562	J10861.D	07/05/07 11:40	DFT	0.2	GCMSJ	TO-15	
MSJ562-IC562	J10863.D	07/05/07 13:26	DFT	40	GCMSJ	TO-15	Reporting this level
MSJ562-IC562	J10864.D	07/05/07 14:22	DFT	20	GCMSJ	TO-15	
MSJ562-ICC562	J10865.D	07/05/07 15:15	DFT	10	GCMSJ	TO-15	
MSJ562-IC562	J10866.D	07/05/07 16:08	DFT	5	GCMSJ	TO-15	
MSJ562-IC562	J10867.D	07/05/07 16:59	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	14.70	0.899	ok	0.899	0.839-0.959
Isopropylbenzene	16.45	14.70	1.119	ok	1.120	1.060-1.180
Isopropyl Alcohol	6.04	8.62	0.701	ok	0.696	0.636-0.756
Methylene chloride	6.53	8.62	0.758	ok	0.759	0.699-0.819
Methyl ethyl ketone	8.09	8.62	0.939	ok	0.939	0.879-0.999
Methyl Isobutyl Ketone	12.03	10.45	1.151	ok	1.151	1.091-1.211
Methyl Tert Butyl Ether	7.72	8.62	0.896	ok	0.898	0.838-0.958
Nonane	15.99	14.70	1.088	ok	1.088	1.028-1.148
Pentane	6.12	8.62	0.710	ok	0.711	0.651-0.771
Propylene	3.99	8.62	0.463	ok	0.464	0.404-0.524
Styrene	15.70	14.70	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	15.83	14.70	1.077	ok	1.077	1.017-1.137
1,1,2-Trichloroethane	12.65	10.45	1.211	ok	1.210	1.150-1.270
1,2,4-Trichlorobenzene	20.28	14.70	1.380	ok	1.382	1.322-1.442
1,2,4-Trimethylbenzene	17.74	14.70	1.207	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.28	14.70	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.13	10.45	1.065	ok	1.066	1.006-1.126
Tertiary Butyl Alcohol	6.65	8.62	0.771	ok	0.767	0.707-0.827
Tetrachloroethylene	14.03	14.70	0.954	ok	0.955	0.895-1.015
Tetrahydrofuran	9.17	8.62	1.064	ok	1.066	1.006-1.126
Toluene	12.90	10.45	1.234	ok	1.235	1.175-1.295
Trichloroethylene	11.13	10.45	1.065	ok	1.065	1.005-1.125
Trichlorofluoromethane	5.78	8.62	0.671	ok	0.671	0.611-0.731
Vinyl chloride	4.44	8.62	0.515	ok	0.516	0.456-0.576
Vinyl Acetate	7.80	8.62	0.905	ok	0.905	0.845-0.965
m,p-Xylene	15.31	14.70	1.041	ok	1.041	0.981-1.101
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	350136	ok	333675	200205-467145
1,4-Difluorobenzene	10.45	ok	10.43	10.10-10.76	1441648	ok	1414039	848423-1979655
Chlorobenzene-D5	14.70	ok	14.67	14.34-15.00	1373333	ok	1228766	737260-1720272

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67847
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ562-IC562	J10860.D	07/05/07 10:47	DFT	0.5	GCMSJ	TO-15	
MSJ562-IC562	J10861.D	07/05/07 11:40	DFT	0.2	GCMSJ	TO-15	
MSJ562-IC562	J10863.D	07/05/07 13:26	DFT	40	GCMSJ	TO-15	
MSJ562-IC562	J10864.D	07/05/07 14:22	DFT	20	GCMSJ	TO-15	Reporting this level
MSJ562-ICC562	J10865.D	07/05/07 15:15	DFT	10	GCMSJ	TO-15	
MSJ562-IC562	J10866.D	07/05/07 16:08	DFT	5	GCMSJ	TO-15	
MSJ562-IC562	J10867.D	07/05/07 16:59	DFT	2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.63	8.60	0.655	ok	0.658	0.598-0.718
1,3-Butadiene	4.57	8.60	0.531	ok	0.531	0.471-0.591
Benzene	10.11	10.43	0.969	ok	0.970	0.910-1.030
Bromodichloromethane	11.08	10.43	1.062	ok	1.062	1.002-1.122
Bromoform	15.42	14.68	1.050	ok	1.050	0.990-1.110
Bromomethane	4.84	8.60	0.563	ok	0.563	0.503-0.623
Bromoethene	5.36	8.60	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	6.82	8.60	0.793	ok	0.794	0.734-0.854
Chlorobenzene	14.72	14.68	1.003	ok	1.003	0.943-1.063
Chloroethane	5.01	8.60	0.583	ok	0.583	0.523-0.643
Chloroform	8.73	8.60	1.015	ok	1.014	0.954-1.074
Chloromethane	4.22	8.60	0.491	ok	0.491	0.431-0.551
3-Chloropropene	6.63	8.60	0.771	ok	0.772	0.712-0.832
2-Chlorotoluene	16.99	14.68	1.157	ok	1.158	1.098-1.218
Carbon tetrachloride	10.24	8.60	1.191	ok	1.190	1.130-1.250
Cyclohexane	10.35	10.43	0.992	ok	0.993	0.933-1.053
1,1-Dichloroethane	7.63	8.60	0.887	ok	0.887	0.827-0.947
1,1-Dichloroethylene	6.40	8.60	0.744	ok	0.745	0.685-0.805
1,2-Dibromoethane	13.58	14.68	0.925	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.44	8.60	1.098	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.89	10.43	1.044	ok	1.044	0.984-1.104
1,4-Dioxane	11.17	10.43	1.071	ok	1.074	1.014-1.134
Dichlorodifluoromethane	4.06	8.60	0.472	ok	0.472	0.412-0.532
Dibromochloromethane	13.34	14.68	0.909	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.43	8.60	0.864	ok	0.864	0.804-0.924
cis-1,2-Dichloroethylene	8.44	8.60	0.981	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.93	10.43	1.144	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.91	14.68	1.220	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.38	14.68	1.252	ok	1.252	1.192-1.312
p-Dichlorobenzene	17.99	14.68	1.225	ok	1.226	1.166-1.286
trans-1,3-Dichloropropene	12.45	10.43	1.194	ok	1.193	1.133-1.253
Ethanol	5.21	8.60	0.606	ok	0.608	0.548-0.668
Ethylbenzene	15.10	14.68	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.68	8.60	1.009	ok	1.010	0.950-1.070
4-Ethyltoluene	17.18	14.68	1.170	ok	1.170	1.110-1.230
Freon 113	6.76	8.60	0.786	ok	0.787	0.727-0.847
Freon 114	4.31	8.60	0.501	ok	0.501	0.441-0.561
Heptane	11.35	10.43	1.088	ok	1.088	1.028-1.148
Hexachlorobutadiene	20.76	14.68	1.414	ok	1.415	1.355-1.475
Hexane	8.61	8.60	1.001	ok	1.001	0.941-1.061

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67847
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ562-IC562	J10860.D	07/05/07 10:47	DFT	0.5	GCMSJ	TO-15	
MSJ562-IC562	J10861.D	07/05/07 11:40	DFT	0.2	GCMSJ	TO-15	
MSJ562-IC562	J10863.D	07/05/07 13:26	DFT	40	GCMSJ	TO-15	
MSJ562-IC562	J10864.D	07/05/07 14:22	DFT	20	GCMSJ	TO-15	Reporting this level
MSJ562-ICC562	J10865.D	07/05/07 15:15	DFT	10	GCMSJ	TO-15	
MSJ562-IC562	J10866.D	07/05/07 16:08	DFT	5	GCMSJ	TO-15	
MSJ562-IC562	J10867.D	07/05/07 16:59	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	14.68	0.898	ok	0.899	0.839-0.959
Isopropylbenzene	16.44	14.68	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.97	8.60	0.694	ok	0.696	0.636-0.756
Methylene chloride	6.52	8.60	0.758	ok	0.759	0.699-0.819
Methyl ethyl ketone	8.06	8.60	0.937	ok	0.939	0.879-0.999
Methyl Isobutyl Ketone	12.00	10.43	1.151	ok	1.151	1.091-1.211
Methyl Tert Butyl Ether	7.70	8.60	0.895	ok	0.898	0.838-0.958
Nonane	15.98	14.68	1.089	ok	1.088	1.028-1.148
Pentane	6.11	8.60	0.710	ok	0.711	0.651-0.771
Propylene	3.99	8.60	0.464	ok	0.464	0.404-0.524
Styrene	15.68	14.68	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.67	8.60	1.124	ok	1.123	1.063-1.183
1,1,2,2-Tetrachloroethane	15.81	14.68	1.077	ok	1.077	1.017-1.137
1,1,2-Trichloroethane	12.63	10.43	1.211	ok	1.210	1.150-1.270
1,2,4-Trichlorobenzene	20.27	14.68	1.381	ok	1.382	1.322-1.442
1,2,4-Trimethylbenzene	17.73	14.68	1.208	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.27	14.68	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.11	10.43	1.065	ok	1.066	1.006-1.126
Tertiary Butyl Alcohol	6.57	8.60	0.764	ok	0.767	0.707-0.827
Tetrachloroethylene	14.01	14.68	0.954	ok	0.955	0.895-1.015
Tetrahydrofuran	9.15	8.60	1.064	ok	1.066	1.006-1.126
Toluene	12.89	10.43	1.236	ok	1.235	1.175-1.295
Trichloroethylene	11.11	10.43	1.065	ok	1.065	1.005-1.125
Trichlorofluoromethane	5.77	8.60	0.671	ok	0.671	0.611-0.731
Vinyl chloride	4.44	8.60	0.516	ok	0.516	0.456-0.576
Vinyl Acetate	7.78	8.60	0.905	ok	0.905	0.845-0.965
m,p-Xylene	15.29	14.68	1.042	ok	1.041	0.981-1.101
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	8.60	ok	8.62	8.29-8.95	365307	ok	333675	200205-467145
1,4-Difluorobenzene	10.43	ok	10.43	10.10-10.76	1518441	ok	1414039	848423-1979655
Chlorobenzene-D5	14.68	ok	14.67	14.34-15.00	1386139	ok	1228766	737260-1720272

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67847
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ562-IC562	J10860.D	07/05/07 10:47	DFT	0.5	GCMSJ	TO-15	
MSJ562-IC562	J10861.D	07/05/07 11:40	DFT	0.2	GCMSJ	TO-15	
MSJ562-IC562	J10863.D	07/05/07 13:26	DFT	40	GCMSJ	TO-15	
MSJ562-IC562	J10864.D	07/05/07 14:22	DFT	20	GCMSJ	TO-15	
MSJ562-ICC562	J10865.D	07/05/07 15:15	DFT	10	GCMSJ	TO-15	Reporting this level
MSJ562-IC562	J10866.D	07/05/07 16:08	DFT	5	GCMSJ	TO-15	
MSJ562-IC562	J10867.D	07/05/07 16:59	DFT	2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.65	8.62	0.655	ok	0.658	0.598-0.718
1,3-Butadiene	4.58	8.62	0.531	ok	0.531	0.471-0.591
Benzene	10.11	10.43	0.969	ok	0.970	0.910-1.030
Bromodichloromethane	11.08	10.43	1.062	ok	1.062	1.002-1.122
Bromoform	15.41	14.67	1.050	ok	1.050	0.990-1.110
Bromomethane	4.85	8.62	0.563	ok	0.563	0.503-0.623
Bromoethene	5.37	8.62	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	6.84	8.62	0.794	ok	0.794	0.734-0.854
Chlorobenzene	14.72	14.67	1.003	ok	1.003	0.943-1.063
Chloroethane	5.02	8.62	0.582	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	6.65	8.62	0.771	ok	0.772	0.712-0.832
2-Chlorotoluene	16.99	14.67	1.158	ok	1.158	1.098-1.218
Carbon tetrachloride	10.25	8.62	1.189	ok	1.190	1.130-1.250
Cyclohexane	10.36	10.43	0.993	ok	0.993	0.933-1.053
1,1-Dichloroethane	7.64	8.62	0.886	ok	0.887	0.827-0.947
1,1-Dichloroethylene	6.41	8.62	0.744	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	9.44	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
1,4-Dioxane	11.17	10.43	1.071	ok	1.074	1.014-1.134
Dichlorodifluoromethane	4.07	8.62	0.472	ok	0.472	0.412-0.532
Dibromochloromethane	13.33	14.67	0.909	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.44	8.62	0.863	ok	0.864	0.804-0.924
cis-1,2-Dichloroethylene	8.45	8.62	0.980	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.93	10.43	1.144	ok	1.144	1.084-1.204
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	1.226	1.166-1.286
trans-1,3-Dichloropropene	12.44	10.43	1.193	ok	1.193	1.133-1.253
Ethanol	5.22	8.62	0.606	ok	0.608	0.548-0.668
Ethylbenzene	15.10	14.67	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.69	8.62	1.008	ok	1.010	0.950-1.070
4-Ethyltoluene	17.17	14.67	1.170	ok	1.170	1.110-1.230
Freon 113	6.77	8.62	0.785	ok	0.787	0.727-0.847
Freon 114	4.32	8.62	0.501	ok	0.501	0.441-0.561
Heptane	11.36	10.43	1.089	ok	1.088	1.028-1.148
Hexachlorobutadiene	20.76	14.67	1.415	ok	1.415	1.355-1.475
Hexane	8.62	8.62	1.000	ok	1.001	0.941-1.061

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67847
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ562-IC562	J10860.D	07/05/07 10:47	DFT	0.5	GCMSJ	TO-15	
MSJ562-IC562	J10861.D	07/05/07 11:40	DFT	0.2	GCMSJ	TO-15	
MSJ562-IC562	J10863.D	07/05/07 13:26	DFT	40	GCMSJ	TO-15	
MSJ562-IC562	J10864.D	07/05/07 14:22	DFT	20	GCMSJ	TO-15	
MSJ562-ICC562	J10865.D	07/05/07 15:15	DFT	10	GCMSJ	TO-15	Reporting this level
MSJ562-IC562	J10866.D	07/05/07 16:08	DFT	5	GCMSJ	TO-15	
MSJ562-IC562	J10867.D	07/05/07 16:59	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	5.97	8.62	0.693	ok	0.696	0.636-0.756
Methylene chloride	6.53	8.62	0.758	ok	0.759	0.699-0.819
Methyl ethyl ketone	8.07	8.62	0.936	ok	0.939	0.879-0.999
Methyl Isobutyl Ketone	12.00	10.43	1.151	ok	1.151	1.091-1.211
Methyl Tert Butyl Ether	7.72	8.62	0.896	ok	0.898	0.838-0.958
Nonane	15.97	14.67	1.089	ok	1.088	1.028-1.148
Pentane	6.13	8.62	0.711	ok	0.711	0.651-0.771
Propylene	4.00	8.62	0.464	ok	0.464	0.404-0.524
Styrene	15.68	14.67	1.069	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.67	8.62	1.122	ok	1.123	1.063-1.183
1,1,2,2-Tetrachloroethane	15.80	14.67	1.077	ok	1.077	1.017-1.137
1,1,2-Trichloroethane	12.63	10.43	1.211	ok	1.210	1.150-1.270
1,2,4-Trichlorobenzene	20.27	14.67	1.382	ok	1.382	1.322-1.442
1,2,4-Trimethylbenzene	17.72	14.67	1.208	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.26	14.67	1.177	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.12	10.43	1.066	ok	1.066	1.006-1.126
Tertiary Butyl Alcohol	6.57	8.62	0.762	ok	0.767	0.707-0.827
Tetrachloroethylene	14.01	14.67	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	9.17	8.62	1.064	ok	1.066	1.006-1.126
Toluene	12.89	10.43	1.236	ok	1.235	1.175-1.295
Trichloroethylene	11.11	10.43	1.065	ok	1.065	1.005-1.125
Trichlorofluoromethane	5.78	8.62	0.671	ok	0.671	0.611-0.731
Vinyl chloride	4.45	8.62	0.516	ok	0.516	0.456-0.576
Vinyl Acetate	7.79	8.62	0.904	ok	0.905	0.845-0.965
m,p-Xylene	15.28	14.67	1.042	ok	1.041	0.981-1.101
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	8.62	ok	8.62	8.29-8.95	357730	ok	333675	200205-467145
1,4-Difluorobenzene	10.43	ok	10.43	10.10-10.76	1553136	ok	1414039	848423-1979655
Chlorobenzene-D5	14.67	ok	14.67	14.34-15.00	1367583	ok	1228766	737260-1720272

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67847
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ562-IC562	J10860.D	07/05/07 10:47	DFT	0.5	GCMSJ	TO-15	
MSJ562-IC562	J10861.D	07/05/07 11:40	DFT	0.2	GCMSJ	TO-15	
MSJ562-IC562	J10863.D	07/05/07 13:26	DFT	40	GCMSJ	TO-15	
MSJ562-IC562	J10864.D	07/05/07 14:22	DFT	20	GCMSJ	TO-15	
MSJ562-ICC562	J10865.D	07/05/07 15:15	DFT	10	GCMSJ	TO-15	
MSJ562-IC562	J10866.D	07/05/07 16:08	DFT	5	GCMSJ	TO-15	Reporting this level
MSJ562-IC562	J10867.D	07/05/07 16:59	DFT	2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.66	8.62	0.657	ok	0.658	0.598-0.718
1,3-Butadiene	4.58	8.62	0.531	ok	0.531	0.471-0.591
Benzene	10.12	10.43	0.970	ok	0.970	0.910-1.030
Bromodichloromethane	11.08	10.43	1.062	ok	1.062	1.002-1.122
Bromoform	15.40	14.67	1.050	ok	1.050	0.990-1.110
Bromomethane	4.85	8.62	0.563	ok	0.563	0.503-0.623
Bromoethene	5.38	8.62	0.624	ok	0.624	0.564-0.684
Benzyl Chloride	17.89	14.67	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	14.71	14.67	1.003	ok	1.003	0.943-1.063
Chloroethane	5.02	8.62	0.582	ok	0.583	0.523-0.643
Chloroform	8.73	8.62	1.013	ok	1.014	0.954-1.074
Chloromethane	4.23	8.62	0.491	ok	0.491	0.431-0.551
3-Chloropropene	6.65	8.62	0.771	ok	0.772	0.712-0.832
2-Chlorotoluene	16.98	14.67	1.157	ok	1.158	1.098-1.218
Carbon tetrachloride	10.25	8.62	1.189	ok	1.190	1.130-1.250
Cyclohexane	10.36	10.43	0.993	ok	0.993	0.933-1.053
1,1-Dichloroethane	7.65	8.62	0.887	ok	0.887	0.827-0.947
1,1-Dichloroethylene	6.42	8.62	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	9.44	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
1,4-Dioxane	11.18	10.43	1.072	ok	1.074	1.014-1.134
Dichlorodifluoromethane	4.07	8.62	0.472	ok	0.472	0.412-0.532
Dibromochloromethane	13.32	14.67	0.908	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.45	8.62	0.864	ok	0.864	0.804-0.924
cis-1,2-Dichloroethylene	8.45	8.62	0.980	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.93	10.43	1.144	ok	1.144	1.084-1.204
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	1.226	1.166-1.286
trans-1,3-Dichloropropene	12.44	10.43	1.193	ok	1.193	1.133-1.253
Ethanol	5.22	8.62	0.606	ok	0.608	0.548-0.668
Ethylbenzene	15.09	14.67	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.69	8.62	1.008	ok	1.010	0.950-1.070
4-Ethyltoluene	17.16	14.67	1.170	ok	1.170	1.110-1.230
Freon 113	6.78	8.62	0.787	ok	0.787	0.727-0.847
Freon 114	4.32	8.62	0.501	ok	0.501	0.441-0.561
Heptane	11.35	10.43	1.088	ok	1.088	1.028-1.148
Hexachlorobutadiene	20.76	14.67	1.415	ok	1.415	1.355-1.475
Hexane	8.63	8.62	1.001	ok	1.001	0.941-1.061

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67847
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ562-IC562	J10860.D	07/05/07 10:47	DFT	0.5	GCMSJ	TO-15	
MSJ562-IC562	J10861.D	07/05/07 11:40	DFT	0.2	GCMSJ	TO-15	
MSJ562-IC562	J10863.D	07/05/07 13:26	DFT	40	GCMSJ	TO-15	
MSJ562-IC562	J10864.D	07/05/07 14:22	DFT	20	GCMSJ	TO-15	
MSJ562-ICC562	J10865.D	07/05/07 15:15	DFT	10	GCMSJ	TO-15	
MSJ562-IC562	J10866.D	07/05/07 16:08	DFT	5	GCMSJ	TO-15	Reporting this level
MSJ562-IC562	J10867.D	07/05/07 16:59	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	5.95	8.62	0.690	ok	0.696	0.636-0.756
Methylene chloride	6.54	8.62	0.759	ok	0.759	0.699-0.819
Methyl ethyl ketone	8.07	8.62	0.936	ok	0.939	0.879-0.999
Methyl Isobutyl Ketone	12.00	10.43	1.151	ok	1.151	1.091-1.211
Methyl Tert Butyl Ether	7.73	8.62	0.897	ok	0.898	0.838-0.958
Nonane	15.97	14.67	1.089	ok	1.088	1.028-1.148
Pentane	6.13	8.62	0.711	ok	0.711	0.651-0.771
Propylene	4.00	8.62	0.464	ok	0.464	0.404-0.524
Styrene	15.67	14.67	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.67	8.62	1.122	ok	1.123	1.063-1.183
1,1,2,2-Tetrachloroethane	15.79	14.67	1.076	ok	1.077	1.017-1.137
1,1,2-Trichloroethane	12.62	10.43	1.210	ok	1.210	1.150-1.270
1,2,4-Trichlorobenzene	20.27	14.67	1.382	ok	1.382	1.322-1.442
1,2,4-Trimethylbenzene	17.72	14.67	1.208	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.25	14.67	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.12	10.43	1.066	ok	1.066	1.006-1.126
Tertiary Butyl Alcohol	6.56	8.62	0.761	ok	0.767	0.707-0.827
Tetrachloroethylene	14.01	14.67	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	9.18	8.62	1.065	ok	1.066	1.006-1.126
Toluene	12.88	10.43	1.235	ok	1.235	1.175-1.295
Trichloroethylene	11.11	10.43	1.065	ok	1.065	1.005-1.125
Trichlorofluoromethane	5.79	8.62	0.672	ok	0.671	0.611-0.731
Vinyl chloride	4.45	8.62	0.516	ok	0.516	0.456-0.576
Vinyl Acetate	7.79	8.62	0.904	ok	0.905	0.845-0.965
m,p-Xylene	15.28	14.67	1.042	ok	1.041	0.981-1.101
o-Xylene	15.78	14.67	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.62	ok	8.62	8.29-8.95	308937	ok	333675	200205-467145
1,4-Difluorobenzene	10.43	ok	10.43	10.10-10.76	1344037	ok	1414039	848423-1979655
Chlorobenzene-D5	14.67	ok	14.67	14.34-15.00	1158520	ok	1228766	737260-1720272

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67847
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ562-IC562	J10860.D	07/05/07 10:47	DFT	0.5	GCMSJ	TO-15	
MSJ562-IC562	J10861.D	07/05/07 11:40	DFT	0.2	GCMSJ	TO-15	
MSJ562-IC562	J10863.D	07/05/07 13:26	DFT	40	GCMSJ	TO-15	
MSJ562-IC562	J10864.D	07/05/07 14:22	DFT	20	GCMSJ	TO-15	
MSJ562-ICC562	J10865.D	07/05/07 15:15	DFT	10	GCMSJ	TO-15	
MSJ562-IC562	J10866.D	07/05/07 16:08	DFT	5	GCMSJ	TO-15	
MSJ562-IC562	J10867.D	07/05/07 16:59	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	5.69	8.62	0.660	ok	0.658	0.598-0.718
1,3-Butadiene	4.58	8.62	0.531	ok	0.531	0.471-0.591
Benzene	10.12	10.43	0.970	ok	0.970	0.910-1.030
Bromodichloromethane	11.08	10.43	1.062	ok	1.062	1.002-1.122
Bromoform	15.39	14.67	1.049	ok	1.050	0.990-1.110
Bromomethane	4.86	8.62	0.564	ok	0.563	0.503-0.623
Bromoethene	5.39	8.62	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	8.62	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	1.158	1.098-1.218
Carbon tetrachloride	10.25	8.62	1.189	ok	1.190	1.130-1.250
Cyclohexane	10.37	10.43	0.994	ok	0.993	0.933-1.053
1,1-Dichloroethane	7.65	8.62	0.887	ok	0.887	0.827-0.947
1,1-Dichloroethylene	6.42	8.62	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	9.45	8.62	1.096	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.90	10.43	1.045	ok	1.044	0.984-1.104
1,4-Dioxane	11.22	10.43	1.076	ok	1.074	1.014-1.134
Dichlorodifluoromethane	4.06	8.62	0.471	ok	0.472	0.412-0.532
Dibromochloromethane	13.32	14.67	0.908	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.45	8.62	0.864	ok	0.864	0.804-0.924
cis-1,2-Dichloroethylene	8.45	8.62	0.980	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.93	10.43	1.144	ok	1.144	1.084-1.204
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	1.226	1.166-1.286
trans-1,3-Dichloropropene	12.44	10.43	1.193	ok	1.193	1.133-1.253
Ethanol	5.25	8.62	0.609	ok	0.608	0.548-0.668
Ethylbenzene	15.09	14.67	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.71	8.62	1.010	ok	1.010	0.950-1.070
4-Ethyltoluene	17.16	14.67	1.170	ok	1.170	1.110-1.230
Freon 113	6.79	8.62	0.788	ok	0.787	0.727-0.847
Freon 114	4.32	8.62	0.501	ok	0.501	0.441-0.561
Heptane	11.36	10.43	1.089	ok	1.088	1.028-1.148
Hexane	8.63	8.62	1.001	ok	1.001	0.941-1.061
2-Hexanone	13.19	14.67	0.899	ok	0.899	0.839-0.959

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67847
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ562-IC562	J10860.D	07/05/07 10:47	DFT	0.5	GCMSJ	TO-15	
MSJ562-IC562	J10861.D	07/05/07 11:40	DFT	0.2	GCMSJ	TO-15	
MSJ562-IC562	J10863.D	07/05/07 13:26	DFT	40	GCMSJ	TO-15	
MSJ562-IC562	J10864.D	07/05/07 14:22	DFT	20	GCMSJ	TO-15	
MSJ562-ICC562	J10865.D	07/05/07 15:15	DFT	10	GCMSJ	TO-15	
MSJ562-IC562	J10866.D	07/05/07 16:08	DFT	5	GCMSJ	TO-15	
MSJ562-IC562	J10867.D	07/05/07 16:59	DFT	2	GCMSJ	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Isopropylbenzene	16.42	14.67	1.119	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.98	8.62	0.694	ok	0.696	0.636-0.756
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	12.01	10.43	1.151	ok	1.151	1.091-1.211
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	1.088	1.028-1.148
Pentane	6.14	8.62	0.712	ok	0.711	0.651-0.771
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	9.67	8.62	1.122	ok	1.123	1.063-1.183
1,1,2,2-Tetrachloroethane	15.78	14.67	1.076	ok	1.077	1.017-1.137
1,1,2-Trichloroethane	12.61	10.43	1.209	ok	1.210	1.150-1.270
1,2,4-Trichlorobenzene	20.28	14.67	1.382	ok	1.382	1.322-1.442
1,2,4-Trimethylbenzene	17.72	14.67	1.208	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.25	14.67	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.12	10.43	1.066	ok	1.066	1.006-1.126
Tertiary Butyl Alcohol	6.59	8.62	0.765	ok	0.767	0.707-0.827
Tetrachloroethylene	14.01	14.67	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	9.21	8.62	1.068	ok	1.066	1.006-1.126
Toluene	12.88	10.43	1.235	ok	1.235	1.175-1.295
Trichloroethylene	11.11	10.43	1.065	ok	1.065	1.005-1.125
Trichlorofluoromethane	5.79	8.62	0.672	ok	0.671	0.611-0.731
Vinyl chloride	4.45	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	1.041	0.981-1.101
o-Xylene	15.78	14.67	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.62	ok	8.62	8.29-8.95	330127	ok	333675	200205-467145
1,4-Difluorobenzene	10.43	ok	10.43	10.10-10.76	1414347	ok	1414039	848423-1979655
Chlorobenzene-D5	14.67	ok	14.67	14.34-15.00	1160504	ok	1228766	737260-1720272

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67847
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: M67847
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: M67847
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: M67847
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: M67847
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: M67847
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: M67847
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: M67847
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: M67847
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: M67847
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: M67847
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: M67847
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: M67847
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: M67847
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: M67847
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
M67847-1	Q4782.D	86.0
M67847-2	Q4783.D	92.0
M67846-2DUP	Q4781.D	85.0
MSJ561-SCC	J10856.D	84.0
MSJ562-SCC	J10878.D	88.0
MSQ246-BS	Q4776B.D	102.0
MSQ246-MB	Q4778.D	81.0
MSJ561-BS	J10841A.D	109.0
MSJ561-MB	J10843.D	94.0
MSJ562-BS	J10868B.D	109.0
MSJ562-MB	J10870.D	90.0

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

Initial Calibration Summary

Job Number: M67847
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: M67847
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSJ557-ICC557
Lab FileID: J10762.D

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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
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Initial Calibration Summary

Job Number: M67847
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSJ557-ICC557
Lab FileID: J10762.D

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            ----- 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: M67847
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: M67847
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: M67847
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: M67847
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: M67847
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: M67847
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: M67847
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSJ562-ICC562
Lab FileID: J10865.D

Response Factor Report MSJ

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 17:30:53 2007
Response via : Initial Calibration

Calibration Files
40 =J10863.D 20 =J10864.D 10 =J10865.D 5 =J10866.D
2 =J10867.D .5 =J10860.D .2 =J10861.D 4 =J10094.D

Compound	40	20	10	5	2	.5	.2	4	Avg	%RSD
1) I BROMOCHLOROMETHANE	----------ISTD----------									
2) DICHLORODIFL	3.173	2.102	3.010	3.772	3.475	3.808	3.371		3.245	17.93
3) PROPYLENE	0.583	0.367	0.542	0.636	0.532	0.492	0.336		0.498	22.09
4) FREON 114	2.929	1.963	2.586	3.470	2.749	3.358	2.925		2.854	17.64
5) CHLOROMETHAN	0.763	0.478	0.656	0.898	0.737	0.886	0.777		0.742	19.38
6) VINYL CHLORI	0.900	0.601	0.776	1.047	0.782	0.989	0.699		0.828	19.25
7) 1,3-BUTADIEN	0.711	0.482	0.610	0.769	0.562	0.624	0.405		0.595	21.11
8) BROMOMETHANE	0.972	0.884	0.892	1.153	0.894	1.055	0.839		0.956	11.74
9) CHLOROETHANE	0.426	0.381	0.377	0.426	0.346	0.426	0.299		0.383	12.62
10) TRICHLOROFLU	3.259	3.051	2.950	3.857	3.058	3.731	3.205		3.301	10.70
11) ISOPROPYL AL	1.102	1.076	0.949	1.036	0.733	1.072			0.995	13.97
12) ACETONE	1.129	1.014	0.950	1.150	0.867	1.571	1.508		1.170	23.19
13) PENTANE	0.822	0.746	0.726	0.906	0.684	0.830	0.748		0.780	9.70
14) 1,1-DICHLORO	0.990	0.967	0.893	1.095	0.800	0.827	0.539		0.873	20.44
15) CARBON DISUL	2.817	2.749	2.566	3.305	2.630	3.144	2.582		2.828	10.23
16) ETHANOL	0.197	0.179	0.161	0.175	0.088	0.055			0.142	40.20
----- Linear regression ----- Coefficient = 0.9976										
Response Ratio = -0.02174 + 0.19949 *A										
17) BROMOETHENE	0.987	0.929	0.880	1.095	0.767	0.754	0.494		0.844	23.12
18) METHYLENE CH	0.878	0.837	0.807	0.985	0.820	2.085	2.307		1.246	52.58
----- Linear regression ----- Coefficient = 0.9983										
Response Ratio = 0.01284 + 0.86359 *A										
19) 3-CHLOROPROP	0.981	0.790	0.673	0.715	0.575	0.661			0.732	19.19
20) FREON 113	2.074	1.964	1.865	2.177	1.813	2.448	2.249		2.084	10.80
21) TRANS-1,2-DI	0.983	0.957	0.864	0.999	0.747	0.896	0.591		0.862	17.08
22) TERTIARY BUT	1.396	1.418	1.202	1.265	0.705	0.805			1.132	26.91
23) METHYL TERTI	2.088	2.043	1.813	2.032	1.456	1.322	1.002		1.680	25.24
24) TETRAHYDROFU	0.689	0.654	0.572	0.618	0.376	0.347			0.543	26.84
25) HEXANE	1.157	1.090	1.014	1.163	0.890	1.224	1.119		1.094	10.18
26) VINYL ACETAT	1.475	1.359	1.182	1.290	0.804	0.807			1.153	24.75
27) 1,1-DICHLORO	1.701	1.561	1.442	1.658	1.276	1.726	1.287		1.522	12.46
28) METHYL ETHYL	1.350	1.264	1.135	1.249	0.862	1.312	0.906		1.154	17.01
29) cis-1,2-DICH	0.985	0.925	0.814	0.955	0.708	0.868	0.604		0.837	16.62
30) ETHYL ACETAT	1.530	1.420	1.266	1.369	0.980	1.349	0.972		1.269	16.99
31) CHLOROFORM	2.326	2.162	1.983	2.332	1.854	2.479	2.002		2.163	10.50
32) 1,1,1-TRICHL	2.690	2.411	2.209	2.502	1.978	2.608	2.049		2.350	11.77
33) CARBON TETRA	3.073	2.861	2.724	3.112	2.503	3.305	2.704		2.897	9.64
34) 1,2-DICHLORO	1.371	1.245	1.120	1.382	1.036	1.237	0.873		1.181	15.59
35) I 1,4-DIFLUOROBENZENE	----------ISTD----------									
36) BENZENE	0.641	0.560	0.463	0.557	0.395	0.409	0.274		0.471	26.36
37) CYCLOHEXANE	0.279	0.258	0.226	0.257	0.182	0.136			0.223	24.35
38) TRICHLOROETH	0.330	0.284	0.240	0.294	0.208	0.250	0.154		0.251	23.38
39) 1,2-DICHLORO	0.208	0.178	0.148	0.180	0.131	0.150	0.119		0.159	19.62

Initial Calibration Summary

Job Number: M67847
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSJ562-ICC562
Lab FileID: J10865.D

```
40) BROMODICHLOR 0.565 0.489 0.410 0.498 0.382 0.488 0.395       0.461  14.52
41) 2,2,4-TRIMET 1.038 0.905 0.755 0.812 0.576 0.530 0.321       0.705  34.71
            ----- Linear regression -----  Coefficient =  0.9940
              Response Ratio = -0.11253 + 1.03736 *A

42) 1,4-DIOXANE  0.112 0.104 0.083 0.084 0.038 0.028             0.075  46.11
            ----- Linear regression -----  Coefficient =  0.9970
              Response Ratio = -0.01651 + 0.11476 *A

43) HEPTANE      0.328 0.285 0.243 0.270 0.184 0.194             0.251  22.00
44) METHYL ISOBU 0.400 0.343 0.284 0.289 0.176 0.191             0.281  30.78
         ----- Quadratic regression -----                Coefficient =  0.9996
              Response Ratio = -0.01416 + 0.28645 *A + 0.02935 *A^2

45) cis-1,3-DICH 0.315 0.278 0.219 0.257 0.149 0.142 0.091       0.207  39.60
         ----- Quadratic regression -----                Coefficient =  0.9990
              Response Ratio = -0.00773 + 0.23146 *A + 0.02144 *A^2

46) TOLUENE      0.457 0.390 0.317 0.367 0.235 0.190 0.128       0.298  39.62
         ----- Quadratic regression -----                Coefficient =  0.9994
              Response Ratio = -0.00693 + 0.31551 *A + 0.03600 *A^2

47) trans-1,3-DI 0.315 0.268 0.211 0.232 0.133 0.124 0.073       0.194  44.72
         ----- Quadratic regression -----                Coefficient =  0.9993
              Response Ratio = -0.00822 + 0.21484 *A + 0.02558 *A^2

48) 1,1,2-TRICHL 0.212 0.183 0.155 0.186 0.137 0.166 0.117       0.165  19.28

49) I   CHLOROBENZENE-D5      ----------------ISTD---------------------
50) 2-HEXANONE   0.358 0.317 0.262 0.278 0.156 0.191             0.260  29.06
51) TETRACHLOROE 0.403 0.353 0.300 0.364 0.275 0.298 0.243       0.319  17.53
52) DIBROMOCHLOR 0.566 0.525 0.445 0.541 0.421 0.514 0.376       0.484  14.55
53) 1,2-DIBROMOE 0.420 0.378 0.313 0.382 0.264 0.328 0.240       0.332  19.70
54) CHLOROBENZEN 0.653 0.580 0.503 0.611 0.461 0.566 0.437       0.545  14.60
55) ETHYLBENZENE 1.049 0.932 0.790 0.884 0.550 0.428 0.290       0.703  40.31
         ----- Quadratic regression -----                Coefficient =  0.9995
              Response Ratio = -0.02285 + 0.80474 *A + 0.06280 *A^2

56) m,p-XYLENE   0.440 0.383 0.328 0.366 0.237 0.168 0.098       0.288  43.15
         ----- Quadratic regression -----                Coefficient =  0.9996
              Response Ratio = -0.01530 + 0.32472 *A + 0.01463 *A^2

57) o-XYLENE     0.443 0.382 0.323 0.360 0.230 0.170 0.095       0.286  43.68
         ----- Quadratic regression -----                Coefficient =  0.9996
              Response Ratio = -0.00767 + 0.31832 *A + 0.03171 *A^2

58) STYRENE      0.631 0.536 0.414 0.427 0.210 0.170 0.110       0.357  55.26
         ----- Quadratic regression -----                Coefficient =  0.9993
              Response Ratio = -0.02393 + 0.42757 *A + 0.05261 *A^2

59) NONANE       0.467 0.407 0.344 0.371 0.239 0.189             0.336  31.05
         ----- Quadratic regression -----                Coefficient =  0.9996
              Response Ratio = -0.01285 + 0.34623 *A + 0.03101 *A^2

60) BROMOFORM    0.592 0.518 0.425 0.500 0.356 0.493 0.319       0.458  21.00
61) 4-BROMOFLUOR 0.718 0.689 0.659 0.585 0.576 0.557 0.515       0.614  12.19
62) 1,1,2,2-TETR 0.582 0.504 0.415 0.475 0.366 0.563 0.350       0.465  19.77
63) ISOPROPYLBEN 1.240 1.080 0.918 0.979 0.617 0.565 0.347       0.821  38.80
         ----- Quadratic regression -----                Coefficient =  0.9997
              Response Ratio = -0.02662 + 0.91136 *A + 0.08406 *A^2
```

Initial Calibration Summary

Job Number: M67847
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSJ562-ICC562
Lab FileID: J10865.D

```
64) 2-CHLOROTOLU 0.887 0.761 0.615 0.658 0.392 0.348 0.216       0.554  43.67
         ----- Quadratic regression -----                 Coefficient =  0.9995
              Response Ratio = -0.02322 + 0.62009 *A + 0.06843 *A^2

65) 4-ETHYLTOLUE 1.217 1.001 0.775 0.807 0.462 0.361             0.770  41.71
         ----- Quadratic regression -----                 Coefficient =  0.9995
              Response Ratio = -0.04549 + 0.77656 *A + 0.11330 *A^2

66) 1,3,5-TRIMET 1.078 0.904 0.727 0.780 0.490 0.423             0.734  33.67
         ----- Quadratic regression -----                 Coefficient =  0.9996
              Response Ratio = -0.03008 + 0.72197 *A + 0.09109 *A^2

67) 1,2,4-TRIMET 1.009 0.819 0.643 0.677 0.376 0.305             0.638  41.54
         ----- Quadratic regression -----                 Coefficient =  0.9996
              Response Ratio = -0.03207 + 0.62570 *A + 0.09805 *A^2

68) m-DICHLOROBE 0.740 0.584 0.461 0.539 0.373 0.492 0.253       0.492  31.54
         ----- Quadratic regression -----                 Coefficient =  0.9995
              Response Ratio = 0.00104 + 0.41544 *A + 0.08106 *A^2

69) BENZYL CHLOR 0.616 0.486 0.372 0.397 0.210 0.317 0.162       0.366  42.69
         ----- Quadratic regression -----                 Coefficient =  0.9995
              Response Ratio = -0.01055 + 0.34527 *A + 0.06855 *A^2

70) p-DICHLOROBE 0.697 0.553 0.440 0.524 0.351 0.389 0.224       0.454  33.84
         ----- Quadratic regression -----                 Coefficient =  0.9995
              Response Ratio = 0.00037 + 0.39909 *A + 0.07450 *A^2

71) o-DICHLOROBE 0.630 0.498 0.396 0.461 0.299 0.460 0.249       0.427  29.81
72) HEXACHLOROBU 0.310 0.275 0.254 0.289 0.233 0.919 0.710       0.427  63.83
         ----- Quadratic regression -----                 Coefficient =  0.9993
              Response Ratio = 0.01695 + 0.22420 *A + 0.02043 *A^2

73) 1,2,4-TRICHL 0.200 0.172 0.151 0.155 0.093 0.369 0.199       0.191  45.12
         ----- Quadratic regression -----                 Coefficient =  0.9995
              Response Ratio = 0.00138 + 0.13941 *A + 0.01503 *A^2

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

          J070507T.M        Fri Jul 06 11:22:14 2007
```

Continuing Calibration Summary

Job Number: M67847
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSJ562-CC562
Lab FileID: J10868A.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\J10868A.D Vial: 3
Acq On : 5 Jul 2007 5:56 pm Operator: danat
Sample : cc562-10 (M080) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 17:30:53 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	97	-0.01	8.60
2	m	DICHLORODIFLUOROMETHANE	3.245	3.058	5.8	99	0.00	4.06
3	m	PROPYLENE	0.498	0.528	-6.0	94	0.00	3.99
4	m	FREON 114	2.854	2.812	1.5	105	0.00	4.32
5	m	CHLOROMETHANE	0.742	0.737	0.7	109	0.00	4.23
6	m	VINYL CHLORIDE	0.828	0.869	-5.0	109	0.00	4.44
7	m	1,3-BUTADIENE	0.595	0.670	-12.6	107	0.00	4.57
8	m	BROMOMETHANE	0.956	0.957	-0.1	104	-0.01	4.84
9	m	CHLOROETHANE	0.383	0.405	-5.7	104	-0.01	5.01
10	m	TRICHLOROFLUOROMETHANE	3.301	3.269	1.0	108	-0.01	5.77
11	m	ISOPROPYL ALCOHOL	0.995	1.086	-9.1	111	0.02	5.99
12	m	ACETONE	1.170	1.135	3.0	116	-0.01	5.64
13	m	PENTANE	0.780	0.812	-4.1	108	-0.01	6.12
14	m	1,1-DICHLOROETHYLENE	0.873	0.887	-1.6	96	-0.01	6.40
15	m	CARBON DISULFIDE	2.828	2.670	5.6	101	-0.01	6.82
		----------	True	Calc.	% Drift	----------		
16	m	ETHANOL	10.000	10.799	-8.0	117	0.04	5.26
		----------	AvgRF	CCRF	% Dev	----------		
17	m	BROMOETHENE	0.844	0.923	-9.4	102	-0.01	5.36
		----------	True	Calc.	% Drift	----------		
18	m	METHYLENE CHLORIDE	10.000	9.923	0.8	105	-0.01	6.52
		----------	AvgRF	CCRF	% Dev	----------		
19	m	3-CHLOROPROPENE	0.732	0.787	-7.5	113	-0.01	6.63
20	m	FREON 113	2.084	1.924	7.7	100	-0.01	6.76
21	m	TRANS-1,2-DICHLOROETHYLEN	0.862	0.903	-4.8	101	-0.02	7.43
22	m	TERTIARY BUTYL ALCOHOL	1.132	1.332	-17.7	107	0.00	6.57
23	m	METHYL TERTIARY BUTYL ETH	1.680	1.975	-17.6	106	-0.01	7.71
24	m	TETRAHYDROFURAN	0.543	0.629	-15.8	107	-0.01	9.16
25	m	HEXANE	1.094	1.053	3.7	101	-0.01	8.61
26	m	VINYL ACETATE	1.153	1.269	-10.1	104	-0.01	7.78
27	m	1,1-DICHLOROETHANE	1.522	1.572	-3.3	106	-0.01	7.63
28	m	METHYL ETHYL KETONE	1.154	1.227	-6.3	105	0.00	8.07
29	m	cis-1,2-DICHLOROETHYLENE	0.837	0.868	-3.7	103	-0.01	8.44
30	m	ETHYL ACETATE	1.269	1.332	-5.0	102	-0.01	8.67
31	m	CHLOROFORM	2.163	2.225	-2.9	109	-0.01	8.72
32	m	1,1,1-TRICHLOROETHANE	2.350	2.431	-3.4	107	-0.01	9.66
33	m	CARBON TETRACHLORIDE	2.897	2.986	-3.1	106	-0.01	10.24
34	m	1,2-DICHLOROETHANE	1.181	1.316	-11.4	114	-0.01	9.43

Continuing Calibration Summary

Job Number: M67847
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSJ562-CC562
Lab FileID: J10868A.D

35	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	97	0.00	10.43
36	m	BENZENE	0.471	0.535	-13.6	112	0.00	10.11
37	m	CYCLOHEXANE	0.223	0.241	-8.1	103	0.00	10.35
38	m	TRICHLOROETHYLENE	0.251	0.285	-13.5	115	0.00	11.10
39	m	1,2-DICHLOROPROPANE	0.159	0.181	-13.8	118	0.00	10.89
40	m	BROMODICHLOROMETHANE	0.461	0.491	-6.5	116	0.00	11.08
		----------	True	Calc.	% Drift		----------	
41	m	2,2,4-TRIMETHYLPENTANE	10.000	9.398	6.0	110	-0.01	11.10
42	m	1,4-DIOXANE	10.000	9.346	6.5	106	0.00	11.17
		----------	AvgRF	CCRF	% Dev		----------	
43	m	HEPTANE	0.251	0.273	-8.8	108	-0.01	11.34
		----------	True	Calc.	% Drift		----------	
44	m	METHYL ISOBUTYL KETONE	10.000	10.328	-3.3	107	0.00	11.99
45	m	cis-1,3-DICHLOROPROPENE	10.000	10.947	-9.5	120	0.00	11.93
46	m	TOLUENE	10.000	11.035	-10.4	117	0.00	12.88
47	m	trans-1,3-DICHLOROPROPENE	10.000	9.167	8.3	96	0.00	12.44
		----------	AvgRF	CCRF	% Dev		----------	
48	m	1,1,2-TRICHLOROETHANE	0.165	0.195	-18.2	122	0.00	12.62
49	I	CHLOROBENZENE-D5	1.000	1.000	0.0	98	0.00	14.67
50	m	2-HEXANONE	0.260	0.268	-3.1	100	0.00	13.17
51	m	TETRACHLOROETHYLENE	0.319	0.368	-15.4	120	0.00	14.01
52	m	DIBROMOCHLOROMETHANE	0.484	0.541	-11.8	119	0.00	13.33
53	m	1,2-DIBROMOETHANE	0.332	0.373	-12.3	116	0.00	13.57
54	m	CHLOROBENZENE	0.476	0.598	-25.6	116	0.00	14.72
		----------	True	Calc.	% Drift		----------	
55	m	ETHYLBENZENE	10.000	11.171	-11.7	118	0.00	15.09
56	m	m,p-XYLENE	20.000	22.739	-13.7	119	0.00	15.28
57	m	o-XYLENE	10.000	11.552	-15.5	122	0.00	15.79
58	m	STYRENE	10.000	10.453	-4.5	113	0.00	15.68
59	m	NONANE	10.000	11.858	-18.6	125	0.00	15.97
		----------	AvgRF	CCRF	% Dev		----------	
60	m	BROMOFORM	0.458	0.532	-16.2	122	0.00	15.41
61	S	4-BROMOFLUOROBENZENE	0.538	0.668	-24.2	99	0.00	16.30
62	m	1,1,2,2-TETRACHLOROETHANE	0.465	0.538	-15.7	127	0.00	15.80
		----------	True	Calc.	% Drift		----------	
63	m	ISOPROPYLBENZENE	10.000	11.656	-16.6	122	0.00	16.43
64	m	2-CHLOROTOLUENE	10.000	11.725	-17.2	127	0.00	16.98
65	m	4-ETHYLTOLUENE	10.000	10.702	-7.0	115	0.00	17.17
66	m	1,3,5-TRIMETHYLBENZENE	10.000	11.609	-16.1	125	0.00	17.26
67	m	1,2,4-TRIMETHYLBENZENE	10.000	11.800	-18.0	128	0.00	17.72
68	m	m-DICHLOROBENZENE	10.000	11.227	-12.3	121	0.00	17.91
69	m	BENZYL CHLORIDE	10.000	9.802	2.0	103	0.00	17.89
70	m	p-DICHLOROBENZENE	10.000	10.633	-6.3	113	0.00	17.98
		----------	AvgRF	CCRF	% Dev		----------	
71	m	o-DICHLOROBENZENE	0.427	0.526	-23.2	130	0.00	18.37
		----------	True	Calc.	% Drift		----------	
72	m	HEXACHLOROBUTADIENE	10.000	15.845	-58.5#	163	0.00	20.76
73	m	1,2,4-TRICHLOROBENZENE	10.000	11.454	-14.5	117	0.00	20.27

Continuing Calibration Summary

Job Number: M67847
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSJ562-CC562
Lab FileID: J10868A.D

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            ----------------------- 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
    J10865.D   J070507T.M       Fri Jul 06 11:51:03 2007
```

Initial Calibration Verification

Job Number: M67847
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSJ562-ICV562
Lab FileID: J10868.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\J10868.D Vial: 3
Acq On : 5 Jul 2007 5:56 pm Operator: danat
Sample : icv562-10 (M080) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 17:30:53 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	97	-0.01	8.60
2	m	DICHLORODIFLUOROMETHANE	3.245	3.058	5.8	99	0.00	4.06
3	m	PROPYLENE	0.498	0.528	-6.0	94	0.00	3.99
4	m	FREON 114	2.854	2.812	1.5	105	0.00	4.32
5	m	CHLOROMETHANE	0.742	0.737	0.7	109	0.00	4.23
6	m	VINYL CHLORIDE	0.828	0.869	-5.0	109	0.00	4.44
7	m	1,3-BUTADIENE	0.595	0.670	-12.6	107	0.00	4.57
8	m	BROMOMETHANE	0.956	0.957	-0.1	104	-0.01	4.84
9	m	CHLOROETHANE	0.383	0.405	-5.7	104	-0.01	5.01
10	m	TRICHLOROFLUOROMETHANE	3.301	3.269	1.0	108	-0.01	5.77
11	m	ISOPROPYL ALCOHOL	0.995	1.086	-9.1	111	0.02	5.99
12	m	ACETONE	1.170	1.135	3.0	116	-0.01	5.64
13	m	PENTANE	0.780	0.812	-4.1	108	-0.01	6.12
14	m	1,1-DICHLOROETHYLENE	0.873	0.887	-1.6	96	-0.01	6.40
15	m	CARBON DISULFIDE	2.828	2.670	5.6	101	-0.01	6.82
		----------	True	Calc.	% Drift	----------		
16	m	ETHANOL	10.000	10.799	-8.0	117	0.04	5.26
		----------	AvgRF	CCRF	% Dev	----------		
17	m	BROMOETHENE	0.844	0.923	-9.4	102	-0.01	5.36
		----------	True	Calc.	% Drift	----------		
18	m	METHYLENE CHLORIDE	10.000	9.923	0.8	105	-0.01	6.52
		----------	AvgRF	CCRF	% Dev	----------		
19	m	3-CHLOROPROPENE	0.732	0.787	-7.5	113	-0.01	6.63
20	m	FREON 113	2.084	1.924	7.7	100	-0.01	6.76
21	m	TRANS-1,2-DICHLOROETHYLEN	0.862	0.903	-4.8	101	-0.02	7.43
22	m	TERTIARY BUTYL ALCOHOL	1.132	1.332	-17.7	107	0.00	6.57
23	m	METHYL TERTIARY BUTYL ETH	1.680	1.975	-17.6	106	-0.01	7.71
24	m	TETRAHYDROFURAN	0.543	0.629	-15.8	107	-0.01	9.16
25	m	HEXANE	1.094	1.053	3.7	101	-0.01	8.61
26	m	VINYL ACETATE	1.153	1.269	-10.1	104	-0.01	7.78
27	m	1,1-DICHLOROETHANE	1.522	1.572	-3.3	106	-0.01	7.63
28	m	METHYL ETHYL KETONE	1.154	1.227	-6.3	105	0.00	8.07
29	m	cis-1,2-DICHLOROETHYLENE	0.837	0.868	-3.7	103	-0.01	8.44
30	m	ETHYL ACETATE	1.269	1.332	-5.0	102	-0.01	8.67
31	m	CHLOROFORM	2.163	2.225	-2.9	109	-0.01	8.72
32	m	1,1,1-TRICHLOROETHANE	2.350	2.431	-3.4	107	-0.01	9.66
33	m	CARBON TETRACHLORIDE	2.897	2.986	-3.1	106	-0.01	10.24
34	m	1,2-DICHLOROETHANE	1.181	1.316	-11.4	114	-0.01	9.43

Initial Calibration Verification

Job Number: M67847
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSJ562-ICV562
Lab FileID: J10868.D

35	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	97	0.00	10.43
36	m	BENZENE	0.471	0.535	-13.6	112	0.00	10.11
37	m	CYCLOHEXANE	0.223	0.241	-8.1	103	0.00	10.35
38	m	TRICHLOROETHYLENE	0.251	0.285	-13.5	115	0.00	11.10
39	m	1,2-DICHLOROPROPANE	0.159	0.181	-13.8	118	0.00	10.89
40	m	BROMODICHLOROMETHANE	0.461	0.491	-6.5	116	0.00	11.08
		----------	True	Calc.	% Drift		----------	
41	m	2,2,4-TRIMETHYLPENTANE	10.000	9.398	6.0	110	-0.01	11.10
42	m	1,4-DIOXANE	10.000	9.346	6.5	106	0.00	11.17
		----------	AvgRF	CCRF	% Dev		----------	
43	m	HEPTANE	0.251	0.273	-8.8	108	-0.01	11.34
		----------	True	Calc.	% Drift		----------	
44	m	METHYL ISOBUTYL KETONE	10.000	10.328	-3.3	107	0.00	11.99
45	m	cis-1,3-DICHLOROPROPENE	10.000	10.947	-9.5	120	0.00	11.93
46	m	TOLUENE	10.000	11.035	-10.4	117	0.00	12.88
47	m	trans-1,3-DICHLOROPROPENE	10.000	9.167	8.3	96	0.00	12.44
		----------	AvgRF	CCRF	% Dev		----------	
48	m	1,1,2-TRICHLOROETHANE	0.165	0.195	-18.2	122	0.00	12.62
49	I	CHLOROBENZENE-D5	1.000	1.000	0.0	98	0.00	14.67
50	m	2-HEXANONE	0.260	0.268	-3.1	100	0.00	13.17
51	m	TETRACHLOROETHYLENE	0.319	0.368	-15.4	120	0.00	14.01
52	m	DIBROMOCHLOROMETHANE	0.484	0.541	-11.8	119	0.00	13.33
53	m	1,2-DIBROMOETHANE	0.332	0.373	-12.3	116	0.00	13.57
54	m	CHLOROBENZENE	0.476	0.598	-25.6	116	0.00	14.72
		----------	True	Calc.	% Drift		----------	
55	m	ETHYLBENZENE	10.000	11.171	-11.7	118	0.00	15.09
56	m	m,p-XYLENE	20.000	22.739	-13.7	119	0.00	15.28
57	m	o-XYLENE	10.000	11.552	-15.5	122	0.00	15.79
58	m	STYRENE	10.000	10.453	-4.5	113	0.00	15.68
59	m	NONANE	10.000	11.858	-18.6	125	0.00	15.97
		----------	AvgRF	CCRF	% Dev		----------	
60	m	BROMOFORM	0.458	0.532	-16.2	122	0.00	15.41
61	S	4-BROMOFLUOROBENZENE	0.538	0.668	-24.2	99	0.00	16.30
62	m	1,1,2,2-TETRACHLOROETHANE	0.465	0.538	-15.7	127	0.00	15.80
		----------	True	Calc.	% Drift		----------	
63	m	ISOPROPYLBENZENE	10.000	11.656	-16.6	122	0.00	16.43
64	m	2-CHLOROTOLUENE	10.000	11.725	-17.2	127	0.00	16.98
65	m	4-ETHYLTOLUENE	10.000	10.702	-7.0	115	0.00	17.17
66	m	1,3,5-TRIMETHYLBENZENE	10.000	11.609	-16.1	125	0.00	17.26
67	m	1,2,4-TRIMETHYLBENZENE	10.000	11.800	-18.0	128	0.00	17.72
68	m	m-DICHLOROBENZENE	10.000	11.227	-12.3	121	0.00	17.91
69	m	BENZYL CHLORIDE	10.000	9.802	2.0	103	0.00	17.89
70	m	p-DICHLOROBENZENE	10.000	10.633	-6.3	113	0.00	17.98
		----------	AvgRF	CCRF	% Dev		----------	
71	m	o-DICHLOROBENZENE	0.427	0.526	-23.2	130	0.00	18.37
		----------	True	Calc.	% Drift		----------	
72	m	HEXACHLOROBUTADIENE	10.000	15.845	-58.5#	163	0.00	20.76
73	m	1,2,4-TRICHLOROBENZENE	10.000	11.454	-14.5	117	0.00	20.27

Initial Calibration Verification

Job Number: M67847
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSJ562-ICV562
Lab FileID: J10868.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
    J10865.D   J070507T.M       Fri Jul 06 11:23:26 2007
```

Initial Calibration Summary

Job Number: M67847
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: M67847
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: M67847
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ246-ICC246
Lab FileID: Q4771.D

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          ----- 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: M67847
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: M67847
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: M67847
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: M67847
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: M67847
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: M67847
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ246-ICV246
Lab FileID: Q4776.D

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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 : Q4782.D
Acq On : 2 Oct 2007 10:36 pm
Operator : danat
Sample : m67847-1 (M212)
Misc : MS14329,MSQ246,,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 03 10:27:02 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 : Wed Oct 03 09:29:03 2007
Response via : Initial Calibration

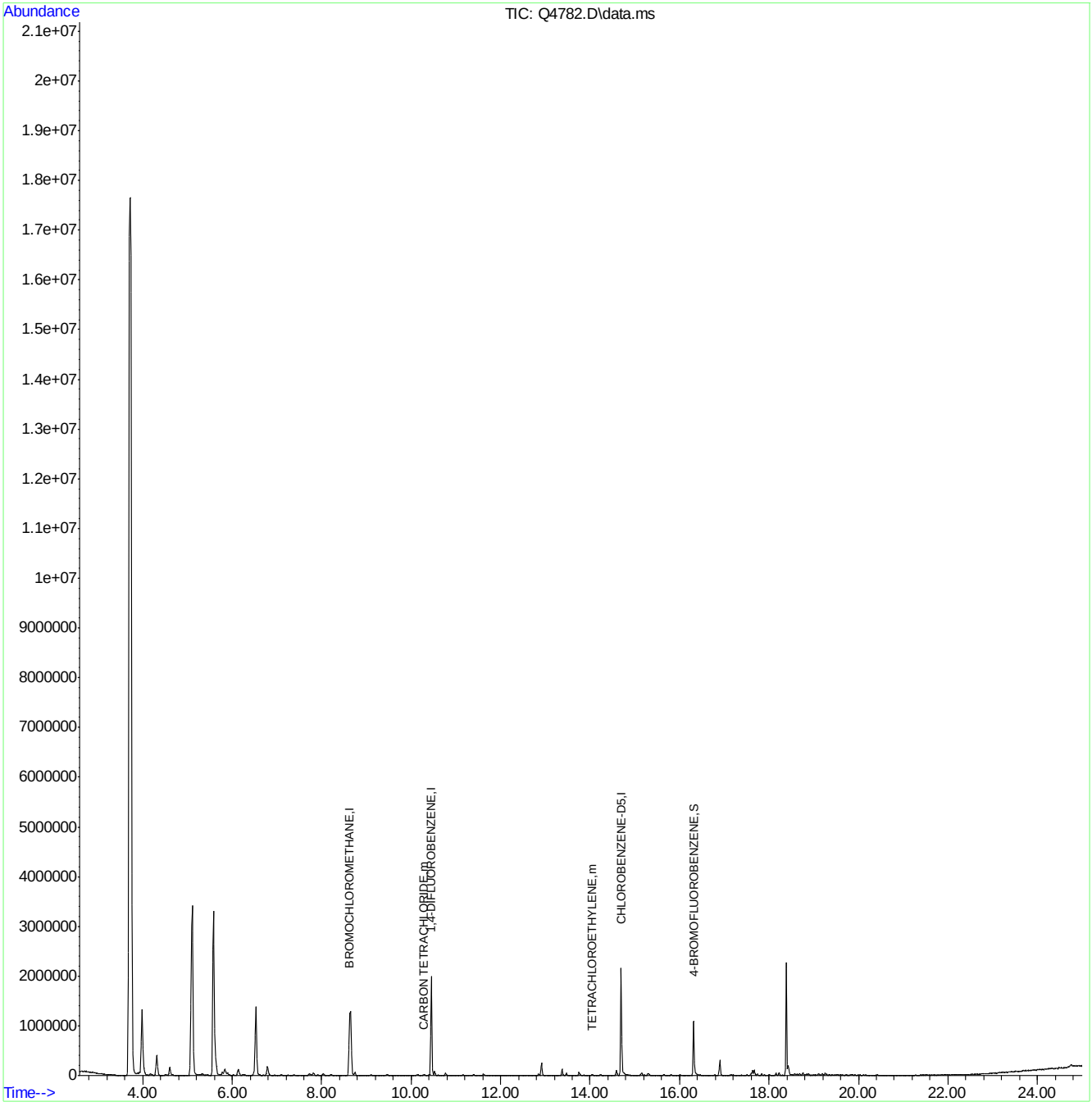
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.619	128	299332	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.451	114	1320010	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.694	117	1101610	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.315	95	344902	4.28	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 85.60%			
Target Compounds						Qvalue
33) CARBON TETRACHLORIDE	10.279	117	13797	0.09	PPBV	93
51) TETRACHLOROETHYLENE	14.043	164	4169	0.08	PPBV	96

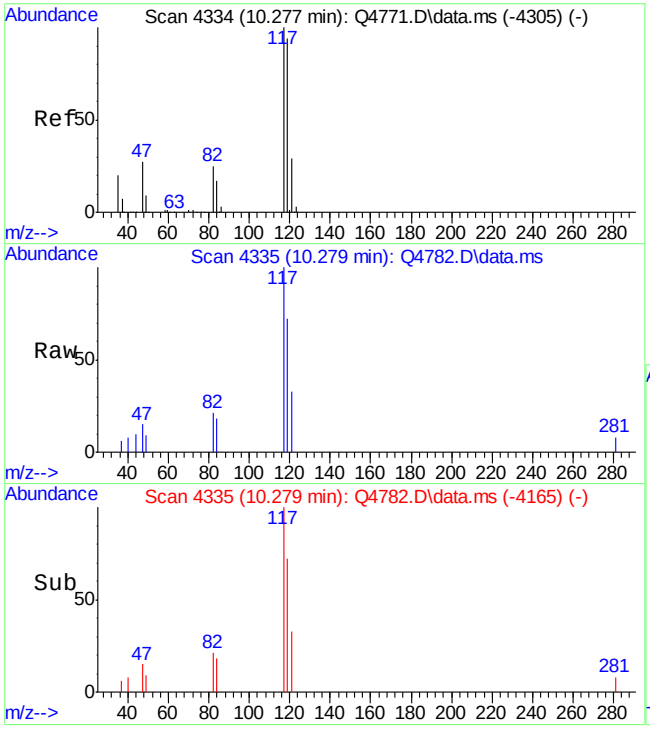
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4782.D
Acq On : 2 Oct 2007 10:36 pm
Operator : danat
Sample : m67847-1 (M212)
Misc : MS14329,MSQ246,,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 03 10:27:02 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 : Wed Oct 03 09:29:03 2007
Response via : Initial Calibration

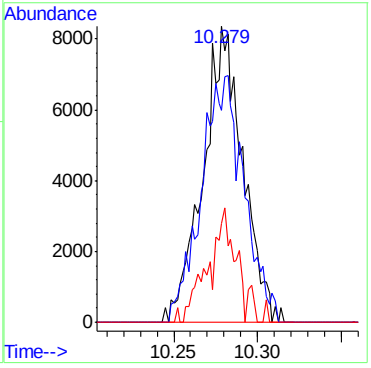


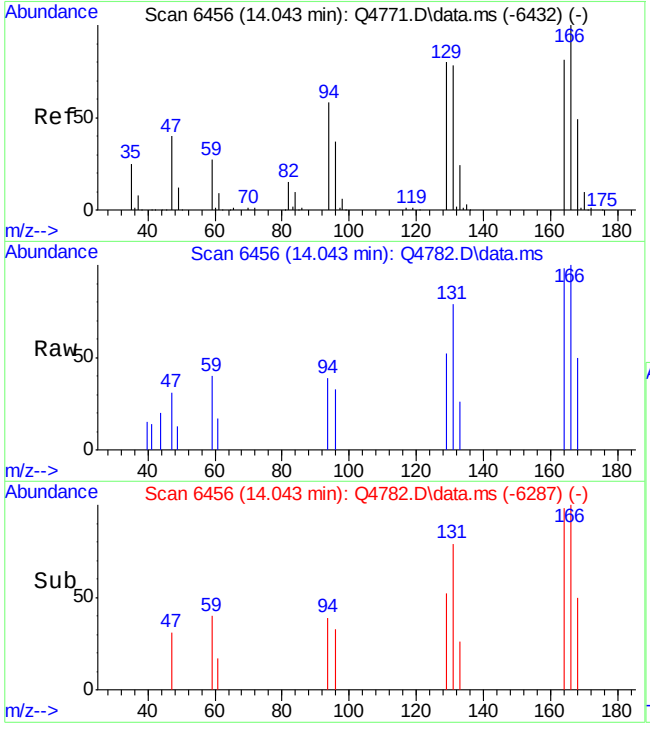


#33
CARBON TETRACHLORIDE
Concen: 0.09 PPBV
RT: 10.279 min Scan# 4335
Delta R.T. 0.002 min
Lab File: Q4782.D
Acq: 2 Oct 2007 10:36 pm

Tgt Ion:117 Resp: 13797

Ion	Ratio	Lower	Upper
117	100		
119	89.7	76.6	116.6
121	27.5	10.7	50.7

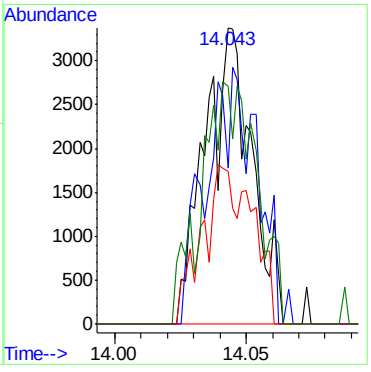




#51
TETRACHLOROETHYLENE
Concen: 0.08 PPBV
RT: 14.043 min Scan# 6456
Delta R.T. 0.000 min
Lab File: Q4782.D
Acq: 2 Oct 2007 10:36 pm

Tgt Ion:164 Resp: 4169

Ion	Ratio	Lower	Upper
164	100		
129	94.2	81.9	121.9
168	57.8	41.6	81.6
131	96.9	77.2	117.2



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4783.D
Acq On : 2 Oct 2007 11:19 pm
Operator : danat
Sample : m67847-2 (M039)
Misc : MS14329,MSQ246,,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 03 10:28:31 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	8.619	128	312136	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.449	114	1408786	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.692	117	1197244	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.314	95	403516	4.61	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 92.20%

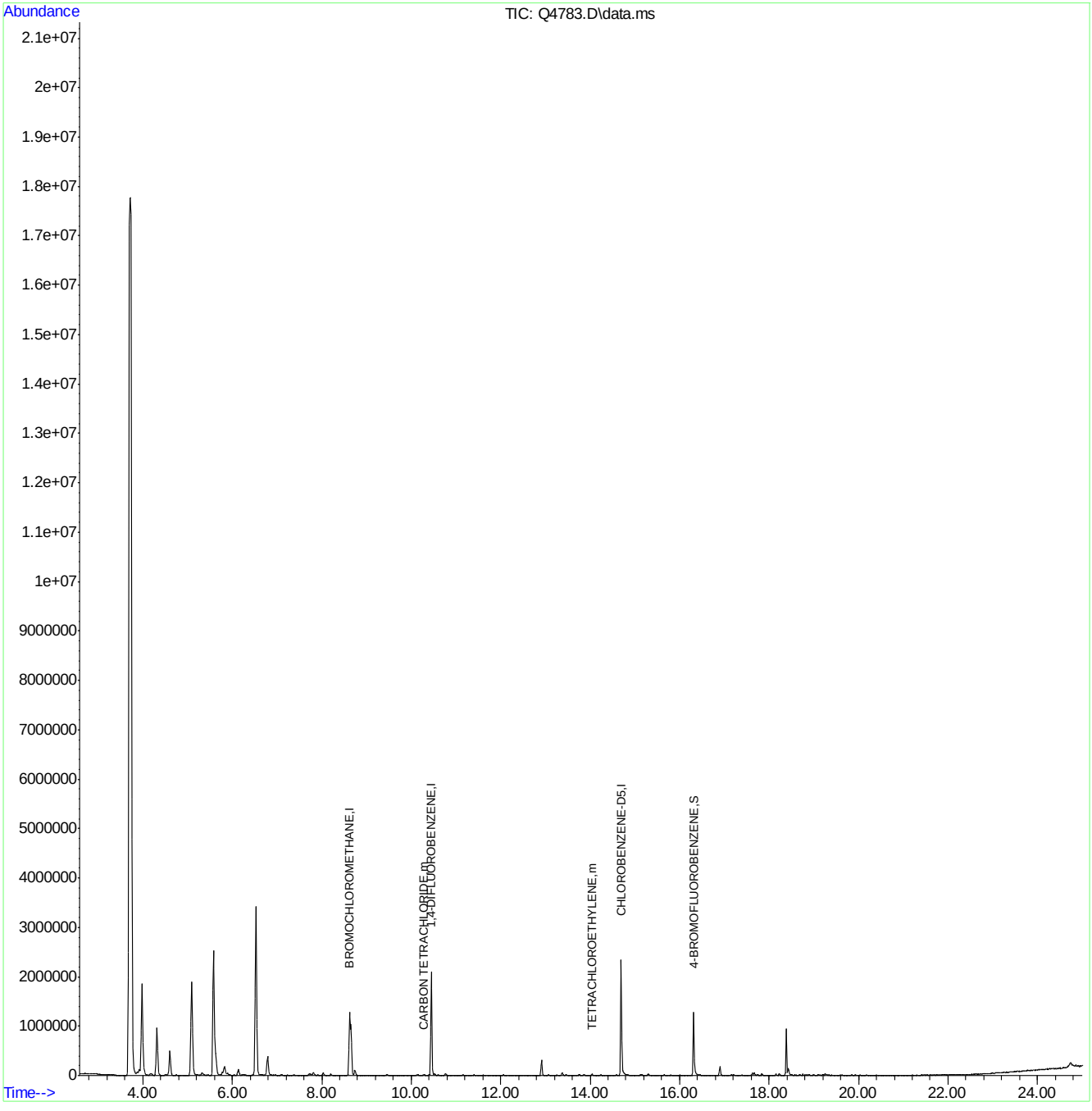
Target Compounds						Qvalue
33) CARBON TETRACHLORIDE	10.280	117	14099	0.09	PPBV	96
51) TETRACHLOROETHYLENE	14.048	164	5519	0.10	PPBV	97

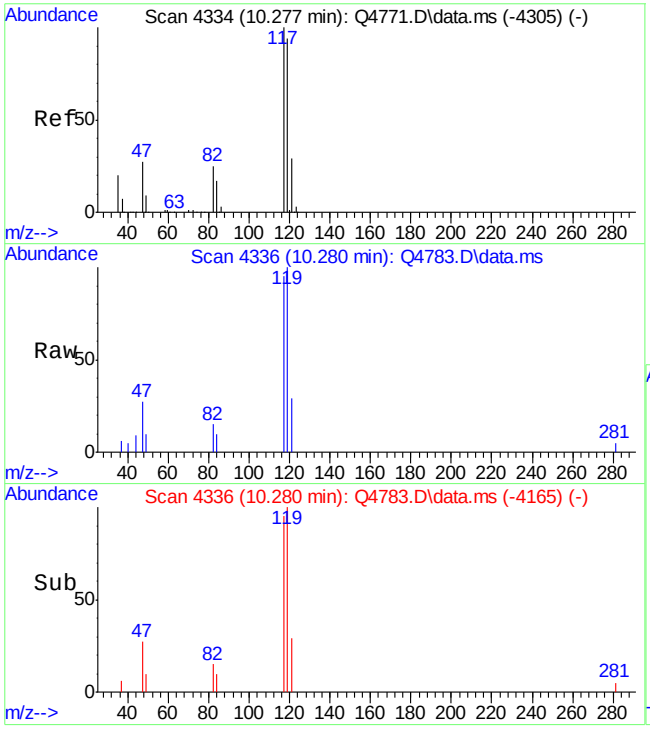
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4783.D
Acq On : 2 Oct 2007 11:19 pm
Operator : danat
Sample : m67847-2 (M039)
Misc : MS14329,MSQ246,,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 03 10:28:31 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

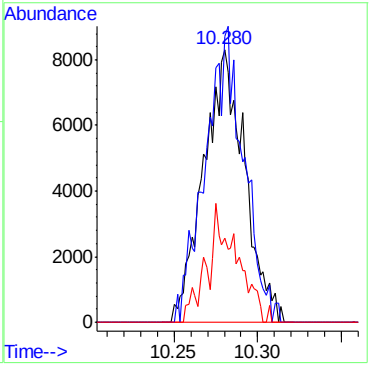


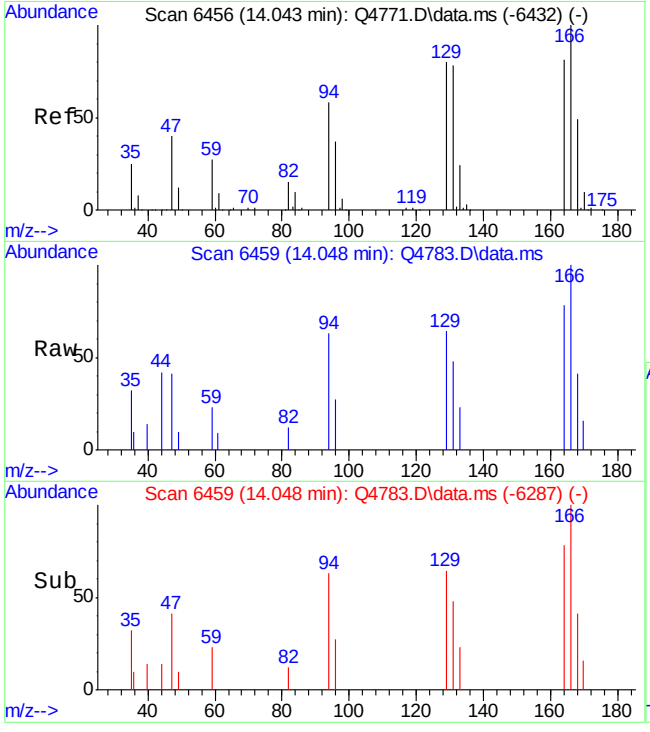


#33
CARBON TETRACHLORIDE
Concen: 0.09 PPBV
RT: 10.280 min Scan# 4336
Delta R.T. 0.003 min
Lab File: Q4783.D
Acq: 2 Oct 2007 11:19 pm

Tgt Ion:117 Resp: 14099

Ion	Ratio	Lower	Upper
117	100		
119	101.3	76.6	116.6
121	31.6	10.7	50.7

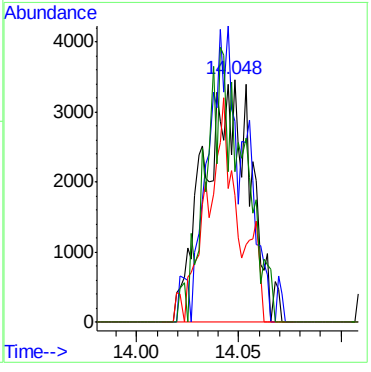




#51
TETRACHLOROETHYLENE
Concen: 0.10 PPBV
RT: 14.048 min Scan# 6459
Delta R.T. 0.005 min
Lab File: Q4783.D
Acq: 2 Oct 2007 11:19 pm

Tgt Ion:164 Resp: 5519

Ion	Ratio	Lower	Upper
164	100		
129	98.5	81.9	121.9
168	63.1	41.6	81.6
131	93.1	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 : 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

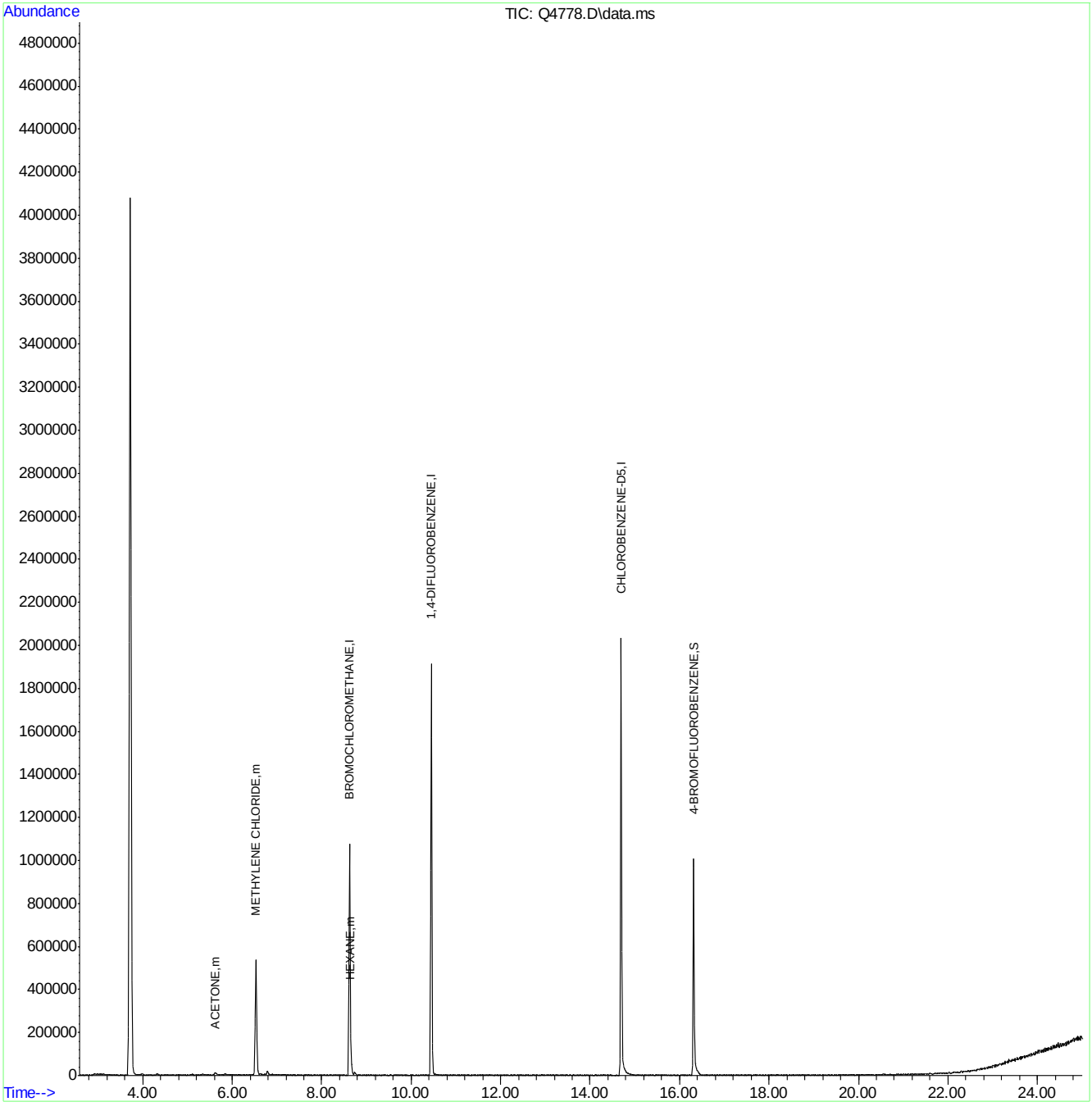
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.623	128	275611	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.449	114	1295578	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.692	117	1037158	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.313	95	306997	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

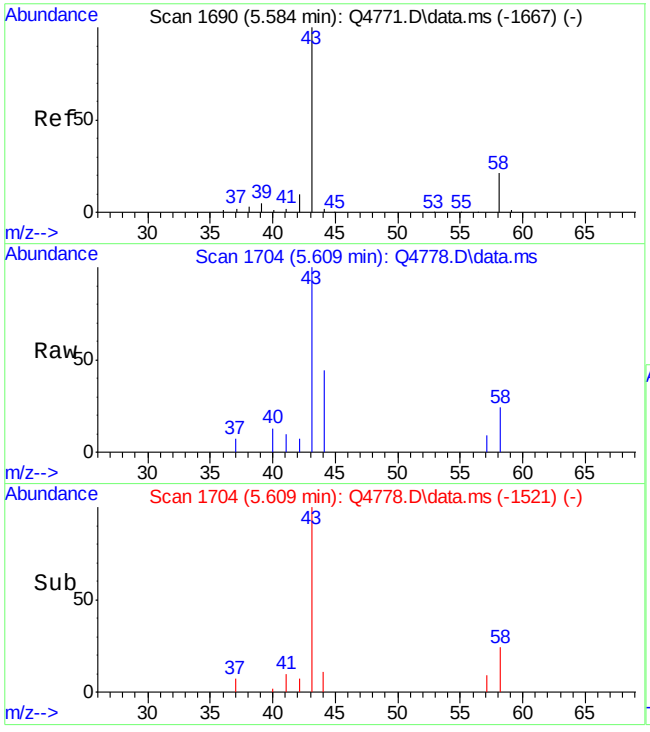
Quantitation Report (QT Reviewed)

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



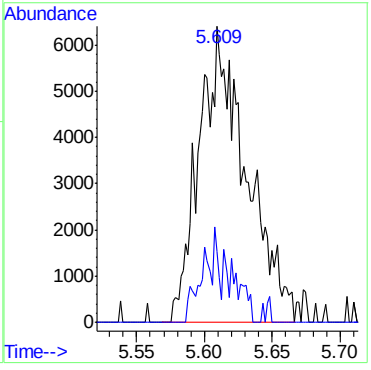
Q100207T.m Wed Oct 03 09:51:23 2007 RPT1 Page: 2

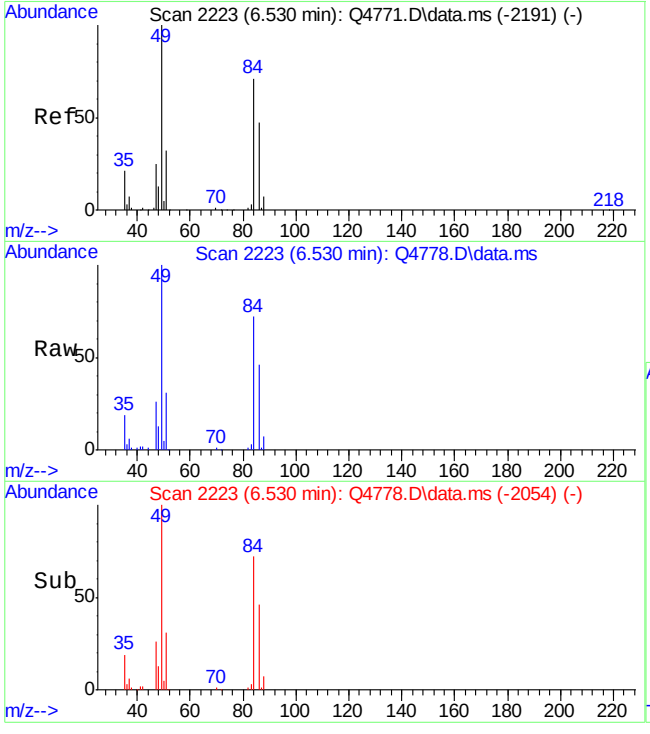


#12
ACETONE
Concen: 0.38 PPBV m
RT: 5.609 min Scan# 1704
Delta R.T. 0.025 min
Lab File: Q4778.D
Acq: 2 Oct 2007 7:45 pm

Tgt Ion: 43 Resp: 15453

Ion	Ratio	Lower	Upper
43	100		
58	17.5	1.6	41.6

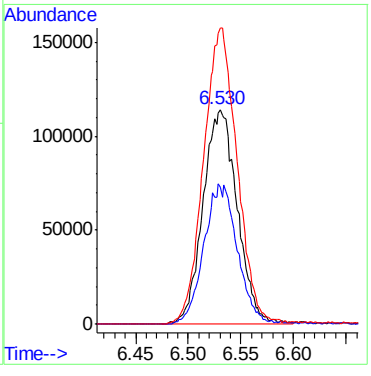


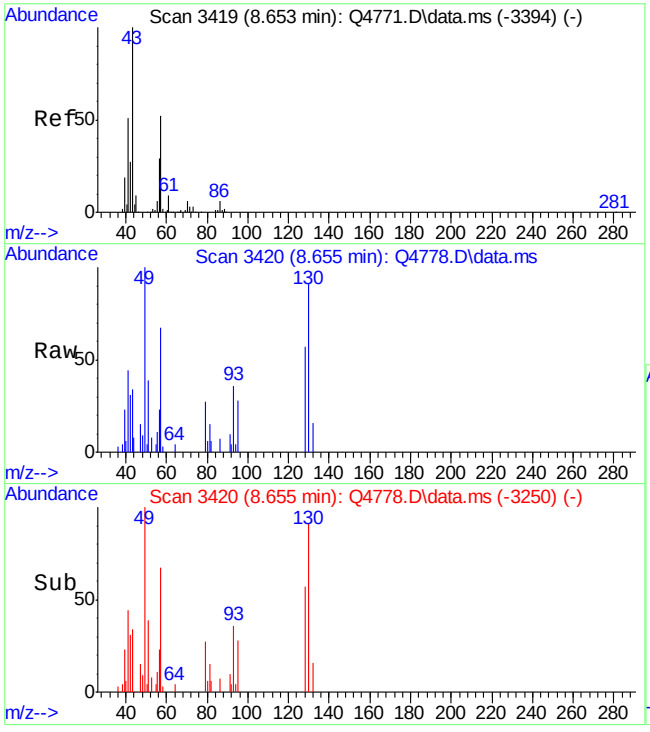


#18
METHYLENE CHLORIDE
Concen: 6.45 PPBV
RT: 6.530 min Scan# 2223
Delta R.T. 0.000 min
Lab File: Q4778.D
Acq: 2 Oct 2007 7:45 pm

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

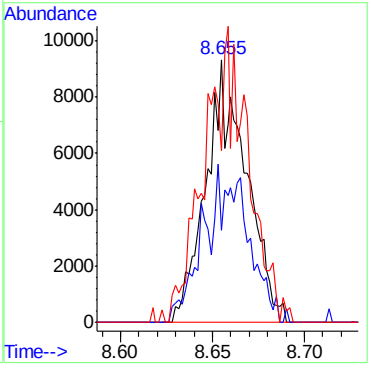




#25
HEXANE
Concen: 0.30 PPBV
RT: 8.655 min Scan# 3420
Delta R.T. 0.002 min
Lab File: Q4778.D
Acq: 2 Oct 2007 7:45 pm

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



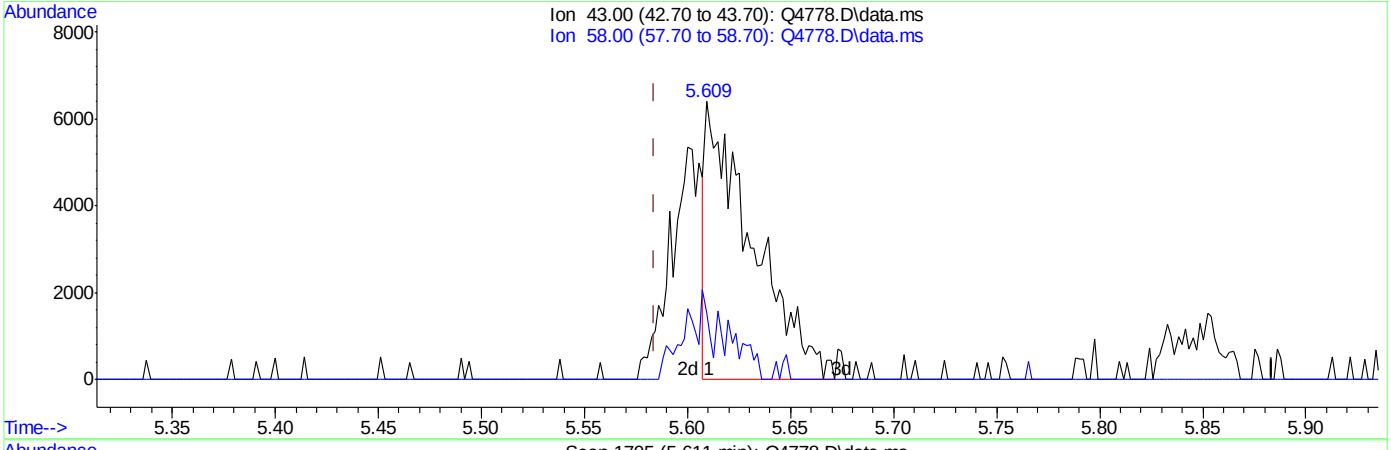
6.2.1

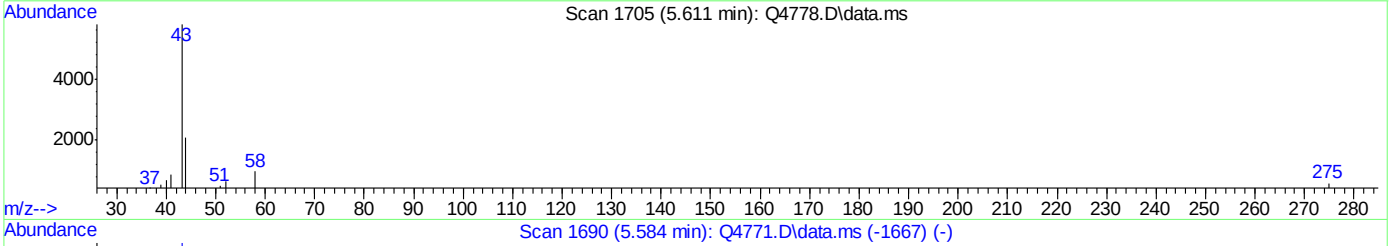
6

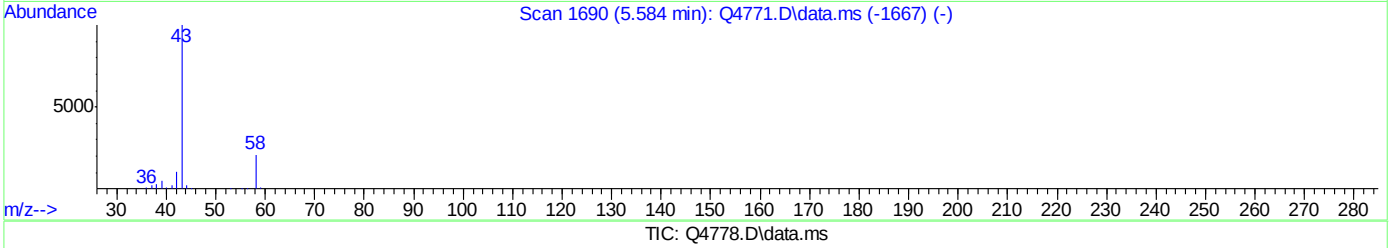
Quantitation Report (Qedit)

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

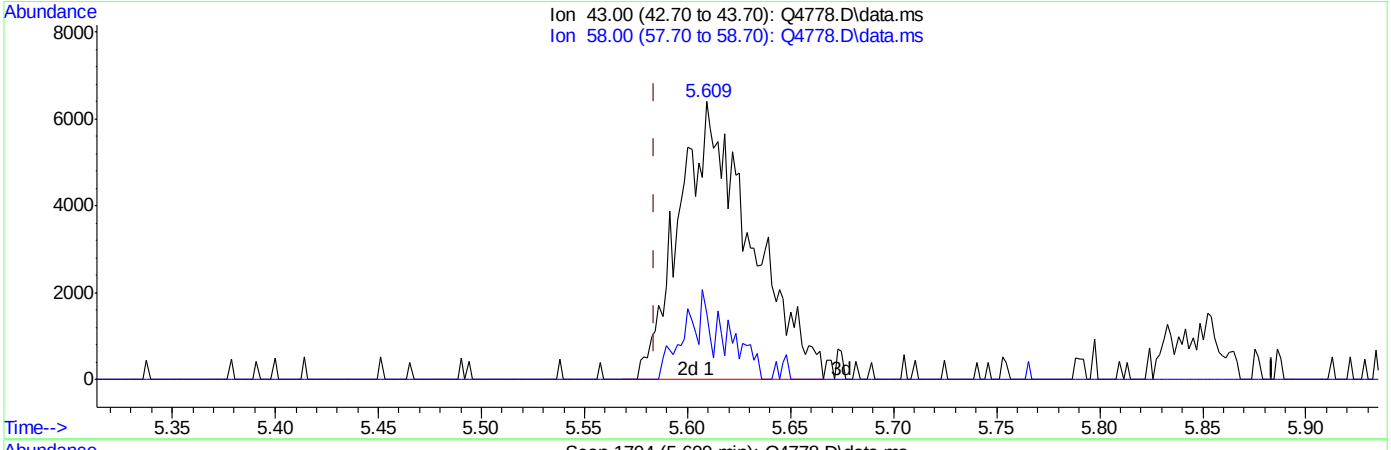
response 10023

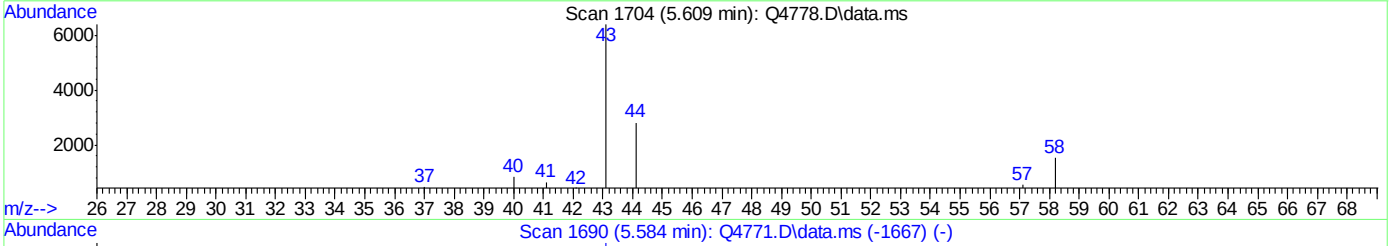
Ion	Exp%	Act%
43.00	100	100
58.00	21.60	26.97
0.00	0.00	0.00
0.00	0.00	0.00

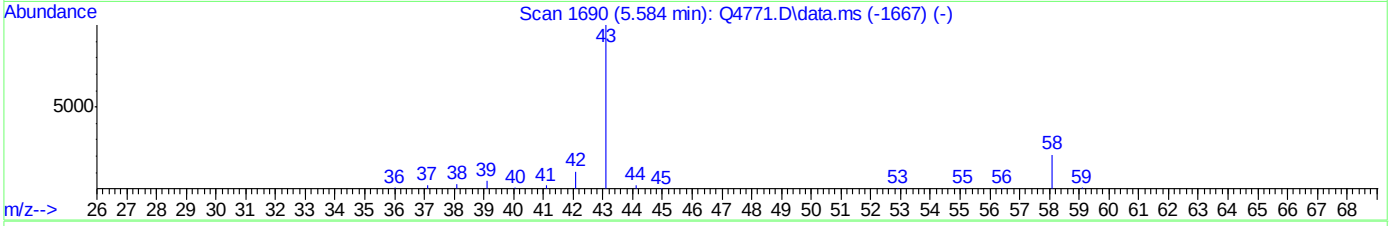
Quantitation Report (Qedit)

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%

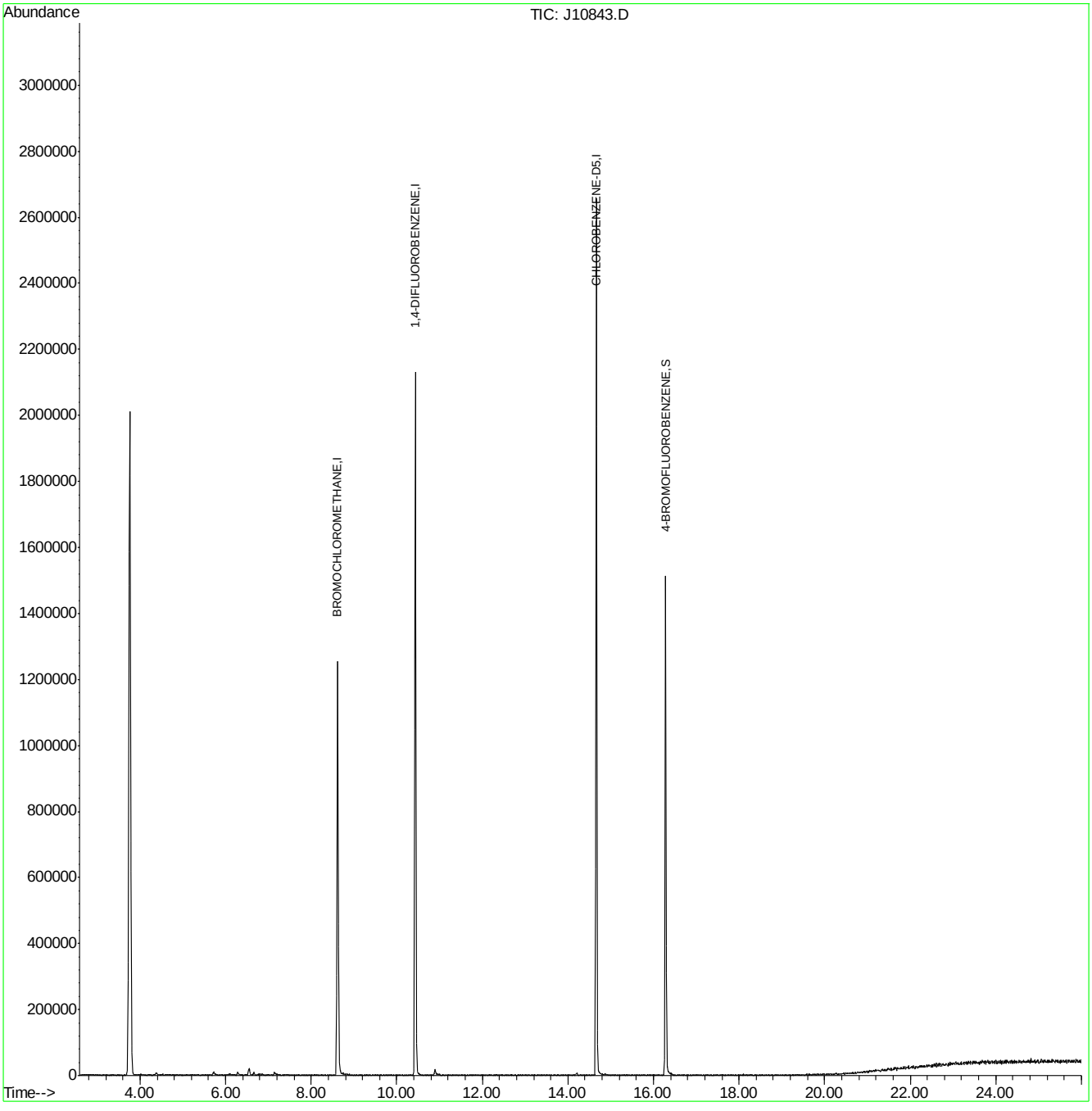
Target Compounds	Qvalue

(#) = 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



J062507T.M Thu Jul 05 17:23:08 2007 Page: 2

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10870.D
Acq On : 5 Jul 2007 7:53 pm
Operator : danat
Sample : mb (M208)
Misc : MS13866, MSJ562,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 06 11:52:28 2007
Quant Method : C:\MSDCHEM\1\METHODS\J070507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jul 05 17:30:53 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.61	128	294344	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.42	114	1133134	10.00	PPBV	-0.01
49) CHLOROBENZENE-D5	14.66	117	969402	10.00	PPBV	-0.01

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.28	95	268497	4.51	PPBV	-0.02

Spiked Amount 5.000 Range 51 - 142 Recovery = 90.20%

Target Compounds	Qvalue

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

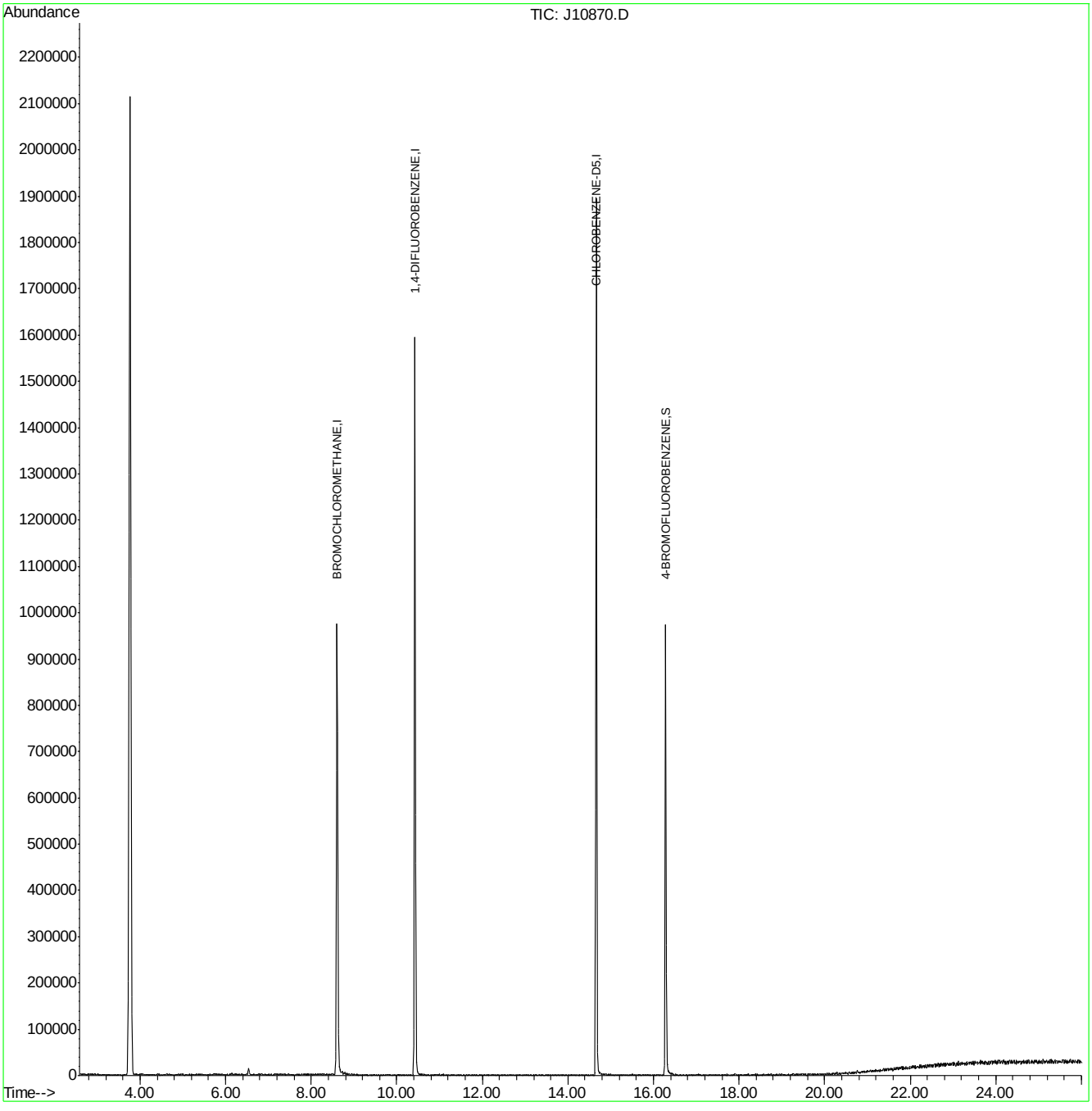
6.2.3

6

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10870.D
Acq On : 5 Jul 2007 7:53 pm
Operator : danat
Sample : mb (M208)
Misc : MS13866, MSJ562,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 06 11:52:28 2007
Quant Method : C:\MSDCHEM\1\METHODS\J070507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jul 05 17:30:53 2007
Response via : Initial Calibration



J070507T.M Fri Jul 06 11:52:37 2007 Page: 2

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

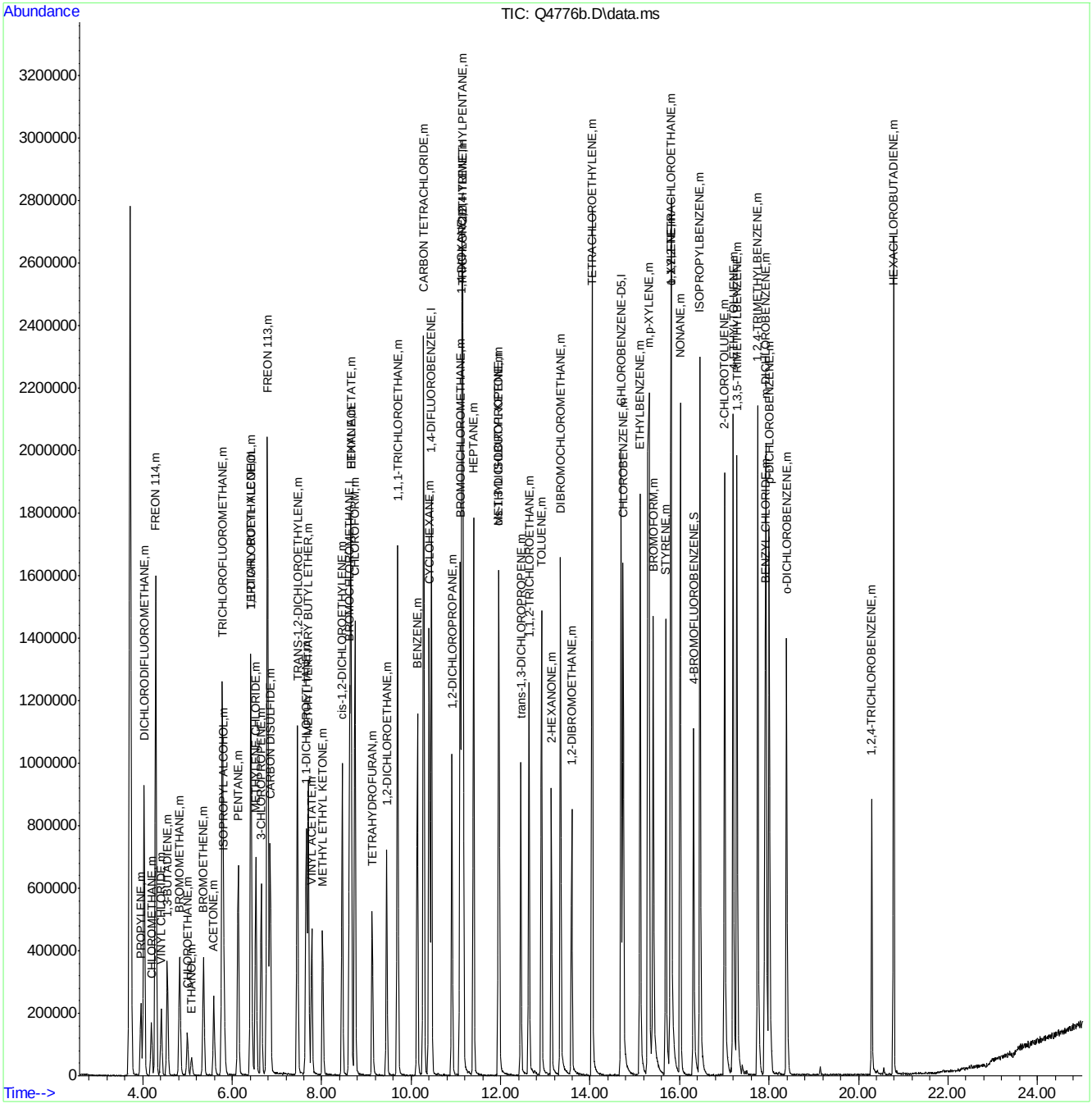
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.965	43	686402	8.51 PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.952	75	446524	10.65 PPBV	99
46) TOLUENE	12.912	92	556592	9.65 PPBV	100
47) trans-1,3-DICHLOROPROPENE	12.451	75	427839	8.77 PPBV	99
48) 1,1,2-TRICHLOROETHANE	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 M67847

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

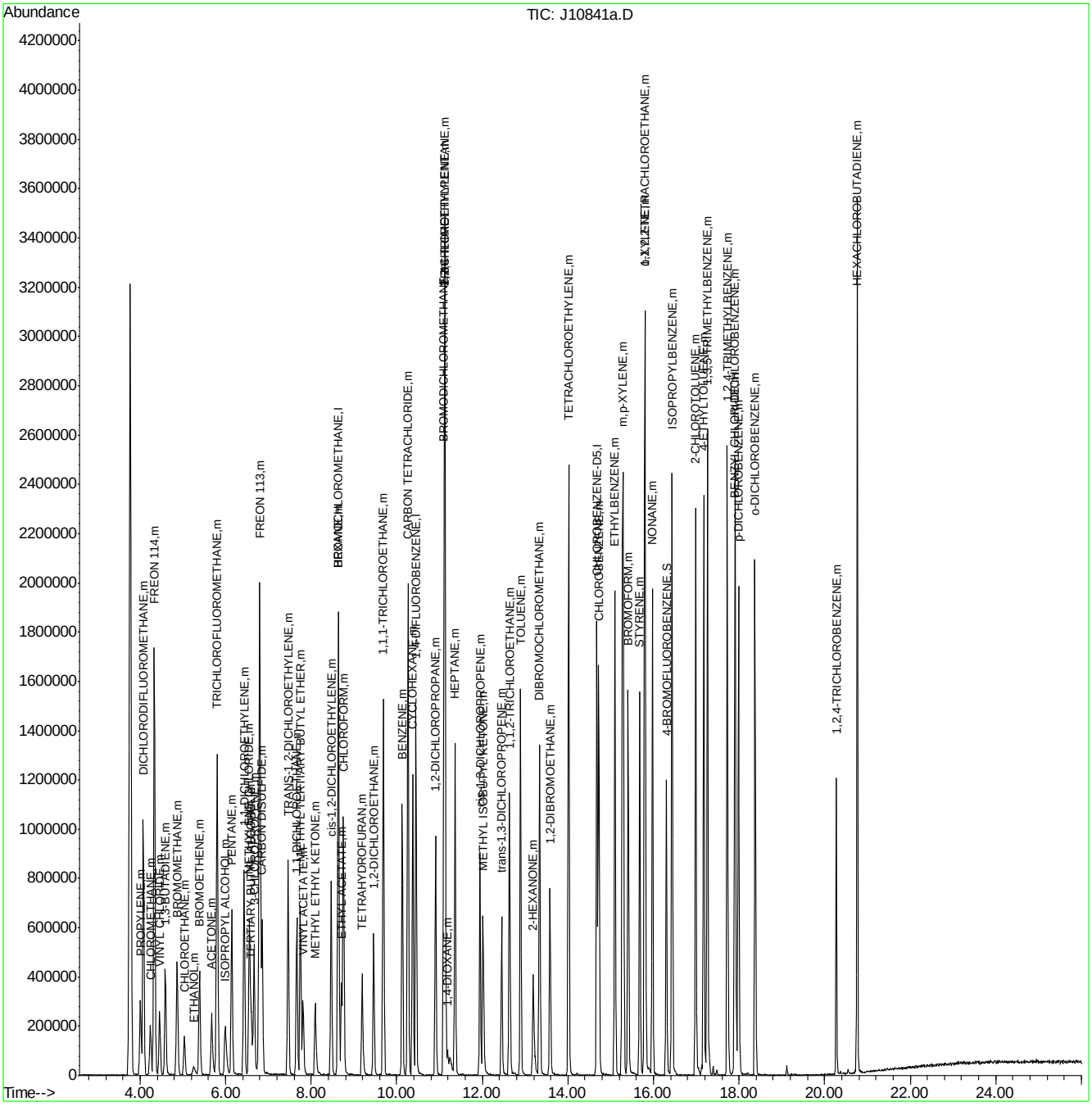
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.01	43	539941	15.25	PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.94	75	468418	13.44	PPBV	99
46) TOLUENE	12.89	92	670460	17.30	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.45	75	367062	10.82	PPBV	100
48) 1,1,2-TRICHLOROETHANE	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



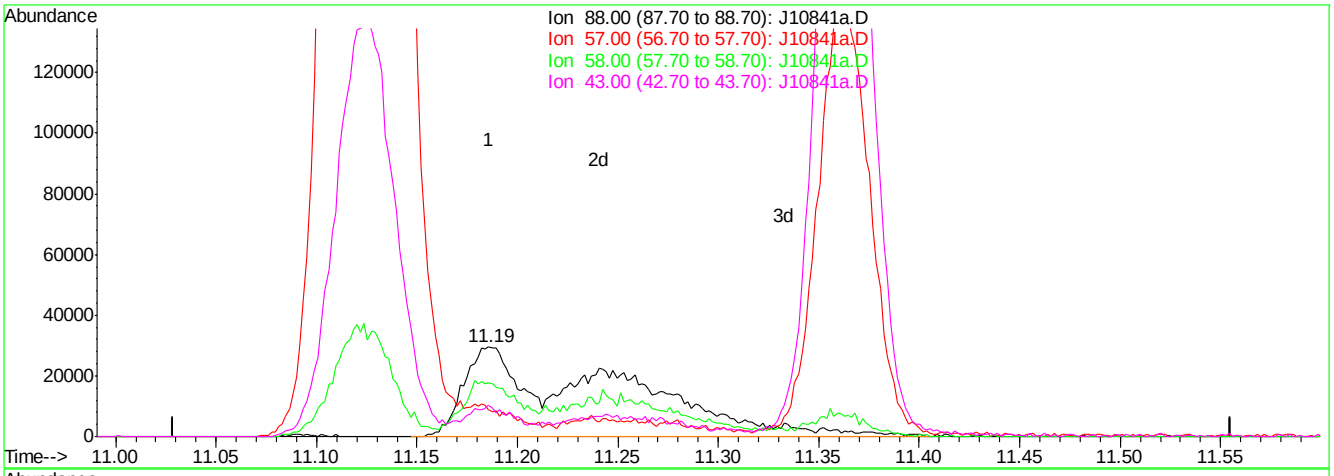
ACCUTEST Laboratories
M67847

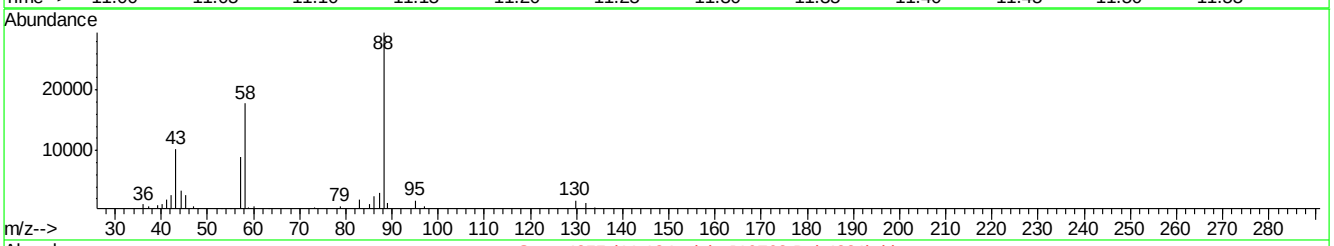
Quantitation Report (Qedit)

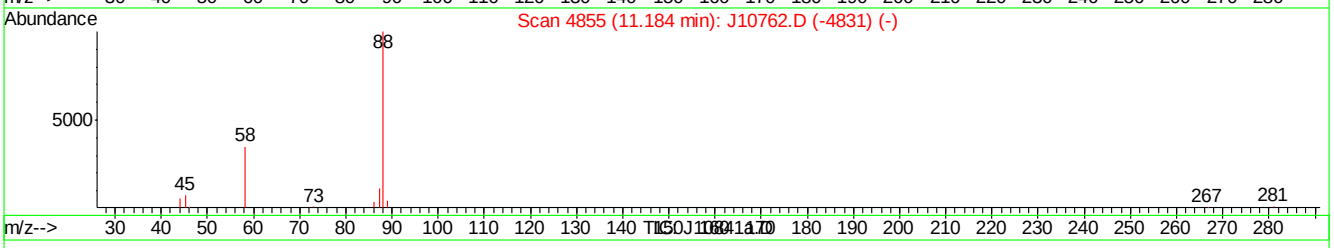
Data File : C:\MSDCHEM\1\DATA\J10841a.D Vial: 1
Acq On : 3 Jul 2007 11:46 am Operator: danat
Sample : bs (M080) Inst : MSJ
Misc : MS13762, MSJ561,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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)
Doug Yargeau
07/11/07 09:45

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10868b.D
Acq On : 5 Jul 2007 5:56 pm
Operator : danat
Sample : bs (M080)
Misc : MS13866, MSJ562,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 05 18:24:49 2007
Quant Method : C:\MSDCHEM\1\METHODS\J070507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jul 05 17:30:53 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.60	128	347038	10.00	PPBV	-0.01
35) 1,4-DIFLUOROBENZENE	10.43	114	1501760	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.67	117	1335133	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.30	95	446244	5.44	PPBV	0.00
Spiked Amount 5.000	Range 51 - 142		Recovery = 108.80%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.06	85	1061110	9.42	PPBV	100
3) PROPYLENE	3.99	41	183358	10.60	PPBV	96
4) FREON 114	4.32	85	975926	9.85	PPBV	99
5) CHLOROMETHANE	4.23	50	255655	9.93	PPBV	94
6) VINYL CHLORIDE	4.44	62	301471	10.50	PPBV	99
7) 1,3-BUTADIENE	4.57	39	232443	11.26	PPBV	98
8) BROMOMETHANE	4.84	94	332070	10.01	PPBV	99
9) CHLOROETHANE	5.01	64	140388	10.56	PPBV	99
10) TRICHLOROFLUOROMETHANE	5.77	101	1134544	9.90	PPBV	100
11) ISOPROPYL ALCOHOL	5.99	45	376740m	10.92	PPBV	
12) ACETONE	5.64	43	394061	9.71	PPBV	99
13) PENTANE	6.12	42	281678	10.41	PPBV	99
14) 1,1-DICHLOROETHYLENE	6.40	96	307939	10.16	PPBV	100
15) CARBON DISULFIDE	6.82	76	926519	9.44	PPBV	99
16) ETHANOL	5.26	45	67215	10.80	PPBV #	65
17) BROMOETHENE	5.36	106	320378	10.94	PPBV	99
18) METHYLENE CHLORIDE	6.52	84	301838	9.92	PPBV	99
19) 3-CHLOROPROPENE	6.63	39	273020	10.74	PPBV	98
20) FREON 113	6.76	151	667835	9.23	PPBV	99
21) TRANS-1,2-DICHLOROETHYLENE	7.43	96	313361	10.47	PPBV	99
22) TERTIARY BUTYL ALCOHOL	6.57	59	462173	11.77	PPBV	93
23) METHYL TERTIARY BUTYL ETHE	7.71	73	685448	11.76	PPBV	99
24) TETRAHYDROFURAN	9.16	42	218377	11.59	PPBV	98
25) HEXANE	8.61	57	365581	9.63	PPBV	97
26) VINYL ACETATE	7.78	43	440550	11.01	PPBV	97
27) 1,1-DICHLOROETHANE	7.63	63	545669	10.33	PPBV	100
28) METHYL ETHYL KETONE	8.07	43	425680	10.63	PPBV	94
29) cis-1,2-DICHLOROETHYLENE	8.44	96	301089	10.37	PPBV	99
30) ETHYL ACETATE	8.67	43	462107	10.49	PPBV	100
31) CHLOROFORM	8.72	83	772083	10.29	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.66	97	843732	10.35	PPBV	99
33) CARBON TETRACHLORIDE	10.24	117	1036248	10.31	PPBV	99
34) 1,2-DICHLOROETHANE	9.43	62	456550	11.14	PPBV	99
36) BENZENE	10.11	78	802906	11.34	PPBV	100
37) CYCLOHEXANE	10.35	84	361468	10.80	PPBV	98
38) TRICHLOROETHYLENE	11.10	95	428230	11.34	PPBV	99
39) 1,2-DICHLOROPROPANE	10.89	63	271622	11.36	PPBV	99
40) BROMODICHLOROMETHANE	11.08	83	736999	10.65	PPBV	98
41) 2,2,4-TRIMETHYLPENTANE	11.10	57	1295156	9.40	PPBV	99
42) 1,4-DIOXANE	11.17	88	136276	9.35	PPBV	92
43) HEPTANE	11.34	43	409530	10.88	PPBV	99

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10868b.D
Acq On : 5 Jul 2007 5:56 pm
Operator : danat
Sample : bs (M080)
Misc : MS13866, MSJ562,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 05 18:24:49 2007
Quant Method : C:\MSDCHEM\1\METHODS\J070507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jul 05 17:30:53 2007
Response via : Initial Calibration

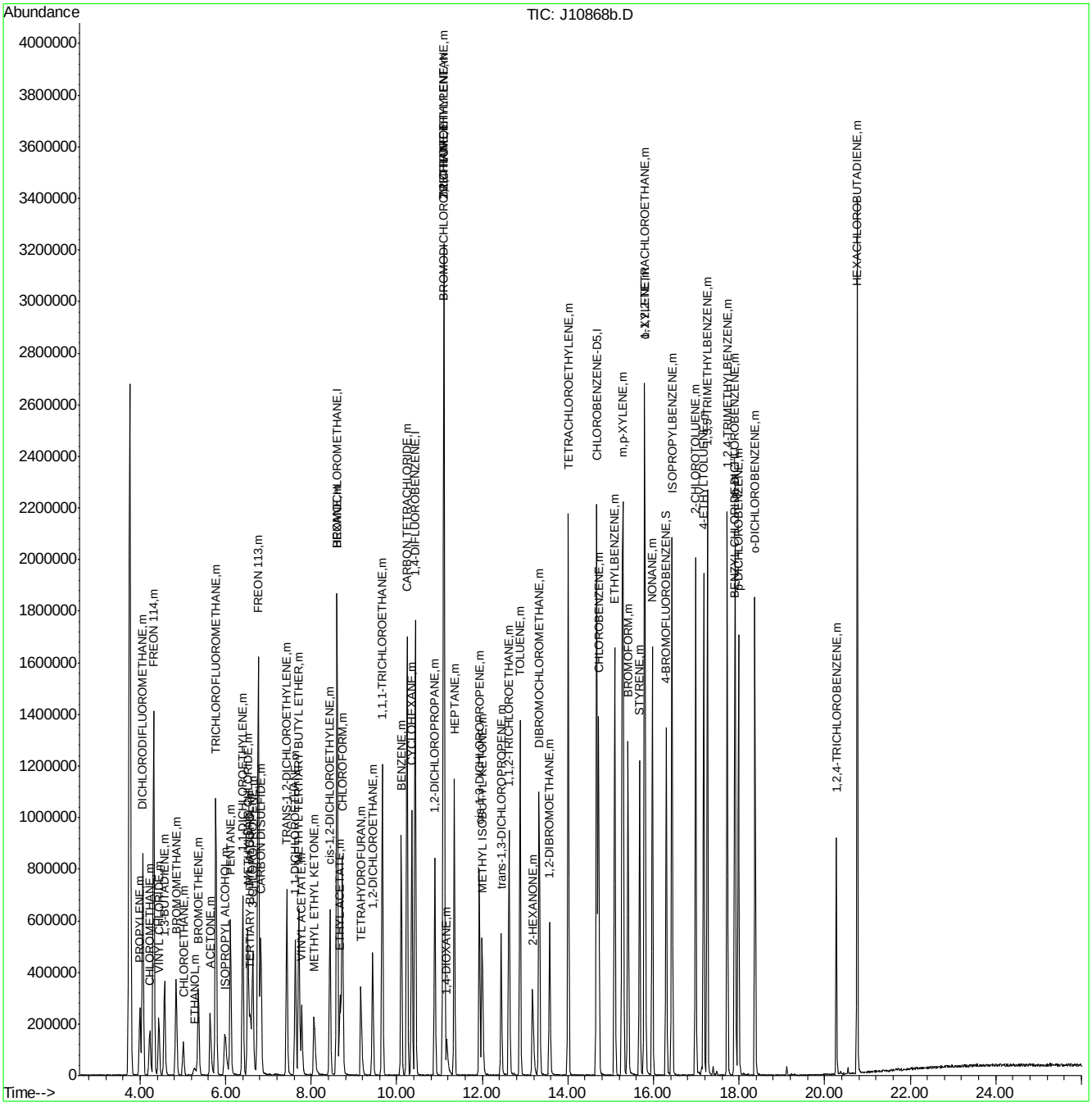
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.99	43	470043	10.33	PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.93	75	407474	10.95	PPBV	98
46) TOLUENE	12.88	92	578281	11.03	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.44	75	315716	9.17	PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.62	83	292867	11.81	PPBV	99
50) 2-HEXANONE	13.17	43	357292	10.27	PPBV	98
51) TETRACHLOROETHYLENE	14.01	164	490819	11.51	PPBV	99
52) DIBROMOCHLOROMETHANE	13.33	129	721652	11.17	PPBV	100
53) 1,2-DIBROMOETHANE	13.57	107	497929	11.22	PPBV	100
54) CHLOROBENZENE	14.72	112	799062	10.99	PPBV	99
55) ETHYLBENZENE	15.09	91	1274341	11.17	PPBV	100
56) m,p-XYLENE	15.28	106	1066459	22.74	PPBV	91
57) o-XYLENE	15.79	106	537195	11.55	PPBV	100
58) STYRENE	15.68	104	641503	10.45	PPBV	99
59) NONANE	15.97	43	589203	11.86	PPBV	99
60) BROMOFORM	15.41	173	710773	11.64	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.80	83	717790	11.56	PPBV	100
63) ISOPROPYLBENZENE	16.43	105	1535173	11.66	PPBV	99
64) 2-CHLOROTOLUENE	16.98	91	1065316	11.72	PPBV	99
65) 4-ETHYLTOLUENE	17.17	105	1222135	10.70	PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.26	105	1242727	11.61	PPBV	100
67) 1,2,4-TRIMETHYLBENZENE	17.72	105	1125219	11.80	PPBV	99
68) m-DICHLOROBENZENE	17.91	146	760499	11.23	PPBV	99
69) BENZYL CHLORIDE	17.89	91	525729	9.80	PPBV	100
70) p-DICHLOROBENZENE	17.98	146	679517	10.63	PPBV	99
71) o-DICHLOROBENZENE	18.37	146	702934	12.32	PPBV	100
72) HEXACHLOROBUTADIENE	20.76	225	565416	15.84	PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.27	180	241387	11.45	PPBV	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10868b.D
Acq On : 5 Jul 2007 5:56 pm
Operator : danat
Sample : bs (M080)
Misc : MS13866, MSJ562,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 05 18:24:49 2007
Quant Method : C:\MSDCHEM\1\METHODS\J070507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jul 05 17:30:53 2007
Response via : Initial Calibration



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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%

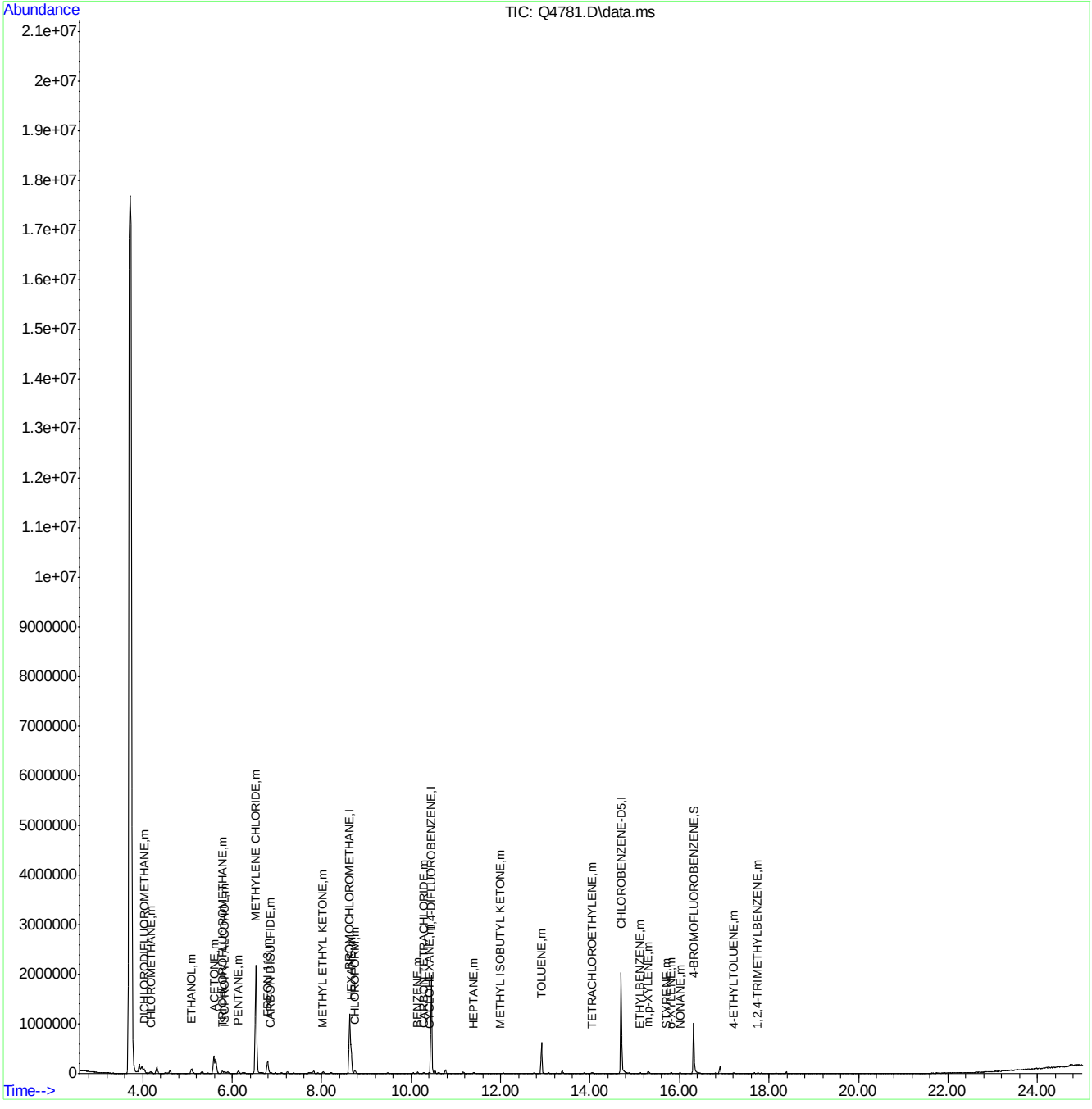
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.031	85	101179	0.56	PPBV	98
5) CHLOROMETHANE	4.195	50	19169	0.56	PPBV	93
10) TRICHLOROFLUOROMETHANE	5.776	101	47387	0.25	PPBV	97
11) ISOPROPYL ALCOHOL	5.829	45	41276	0.64	PPBV	70
12) ACETONE	5.588	43	635399	9.81	PPBV	96
13) PENTANE	6.138	42	23796	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

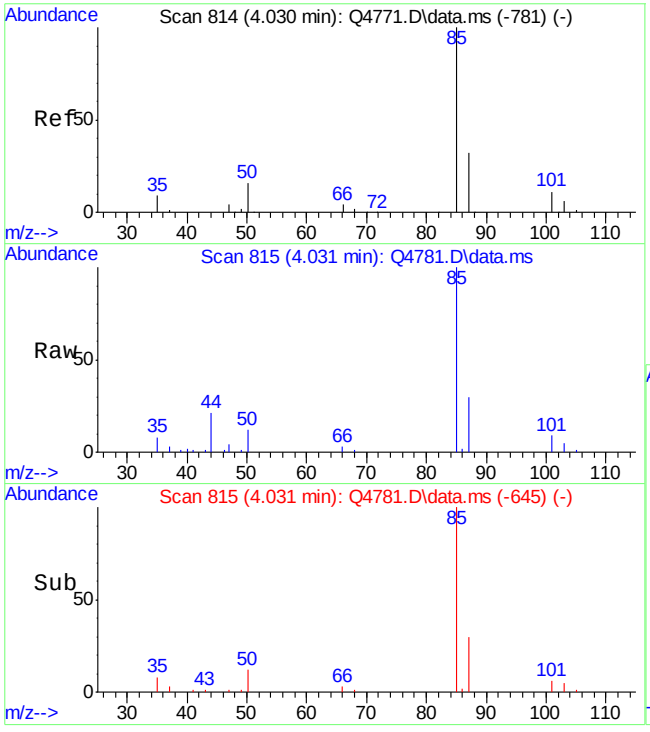
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

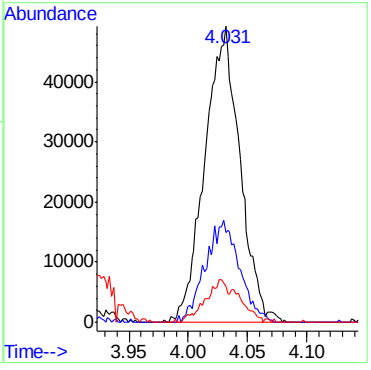


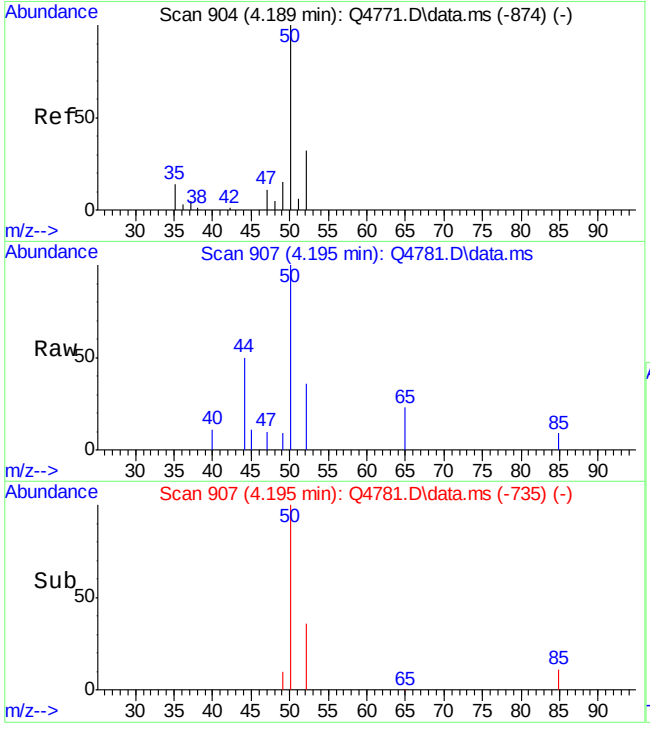


#2
DICHLORODIFLUOROMETHANE
Concen: 0.56 PPBV
RT: 4.031 min Scan# 815
Delta R.T. 0.002 min
Lab File: Q4781.D
Acq: 2 Oct 2007 9:53 pm

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

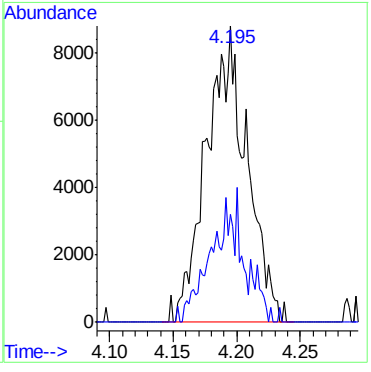


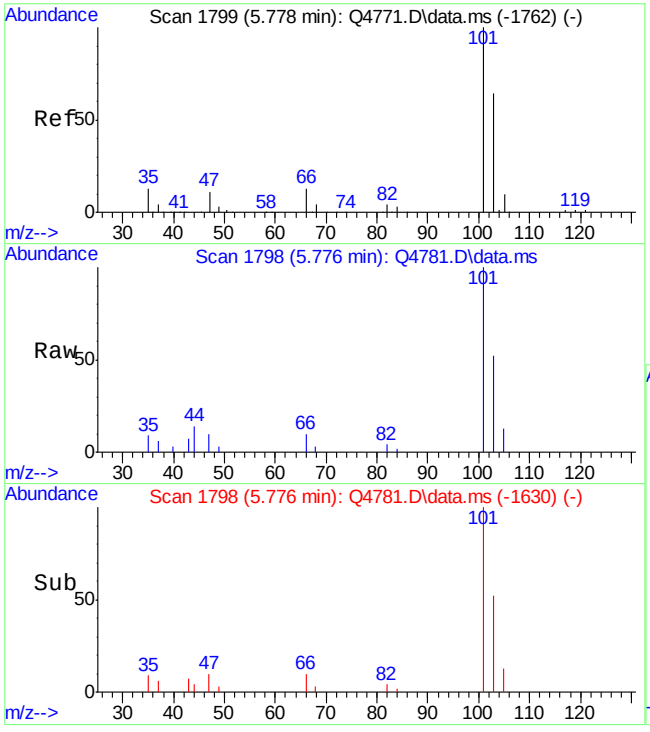


#5
CHLOROMETHANE
Concen: 0.56 PPBV
RT: 4.195 min Scan# 907
Delta R.T. 0.005 min
Lab File: Q4781.D
Acq: 2 Oct 2007 9:53 pm

Tgt Ion: 50 Resp: 19169

Ion	Ratio	Lower	Upper
50	100		
52	36.5	12.7	52.7

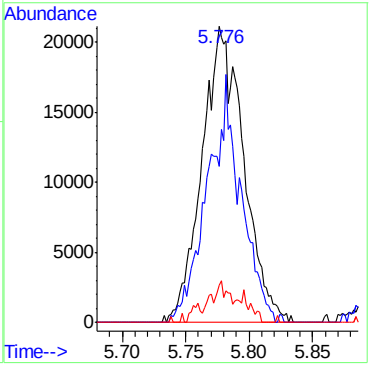


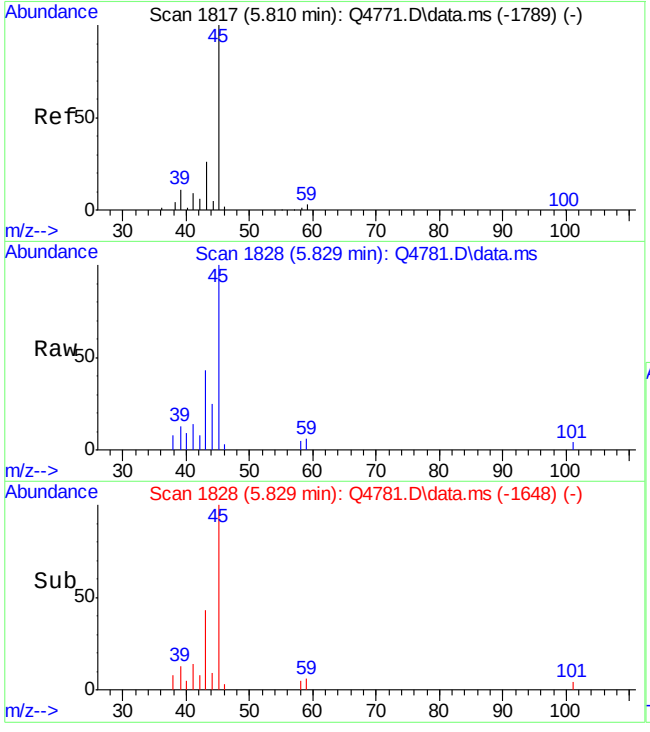


#10
TRICHLOROFLUOROMETHANE
Concen: 0.25 PPBV
RT: 5.776 min Scan# 1798
Delta R.T. -0.002 min
Lab File: Q4781.D
Acq: 2 Oct 2007 9:53 pm

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

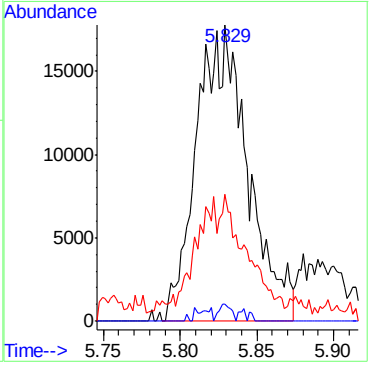


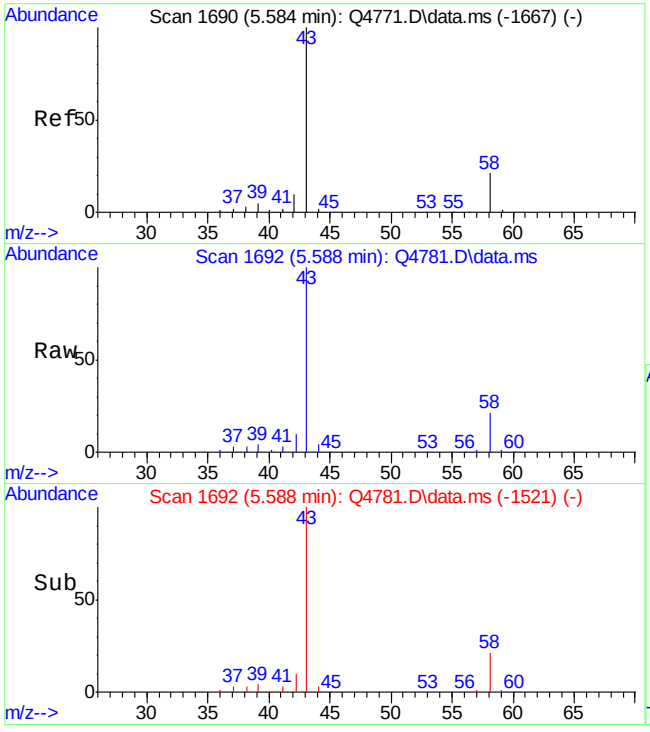


#11
ISOPROPYL ALCOHOL
Concen: 0.64 PPBV
RT: 5.829 min Scan# 1828
Delta R.T. 0.019 min
Lab File: Q4781.D
Acq: 2 Oct 2007 9:53 pm

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

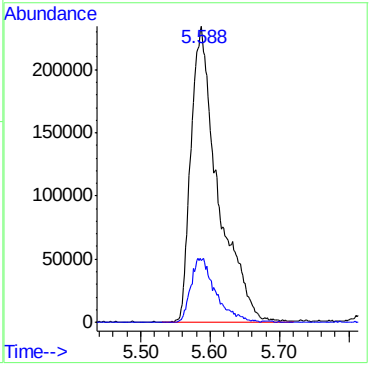


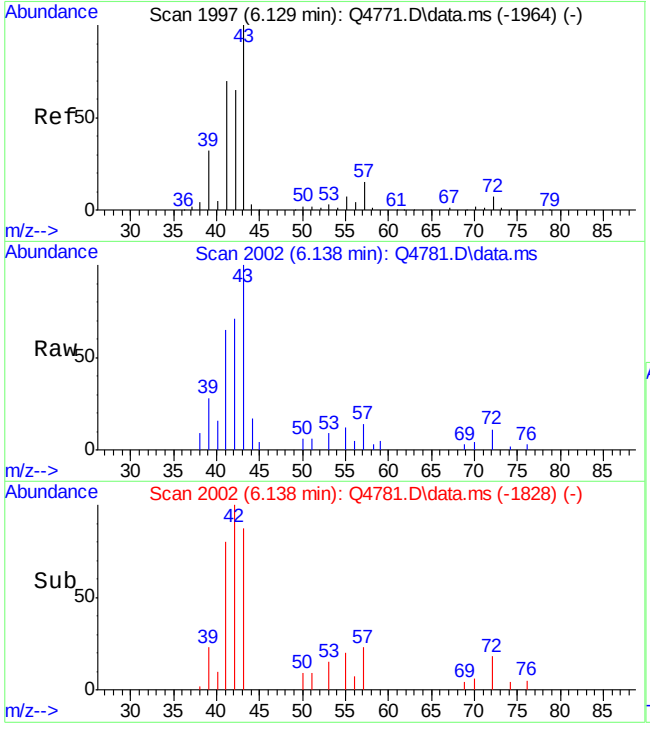


#12
ACETONE
Concen: 9.81 PPBV
RT: 5.588 min Scan# 1692
Delta R.T. 0.004 min
Lab File: Q4781.D
Acq: 2 Oct 2007 9:53 pm

Tgt Ion: 43 Resp: 635399

Ion	Ratio	Lower	Upper
43	100		
58	19.8	1.6	41.6

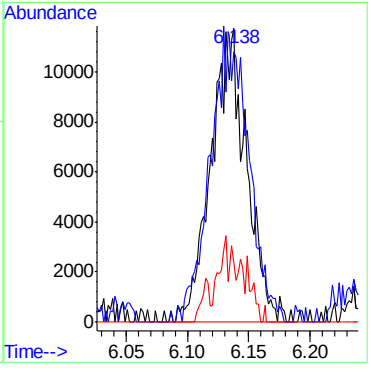




#13
PENTANE
Concen: 0.59 PPBV
RT: 6.138 min Scan# 2002
Delta R.T. 0.009 min
Lab File: Q4781.D
Acq: 2 Oct 2007 9:53 pm

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



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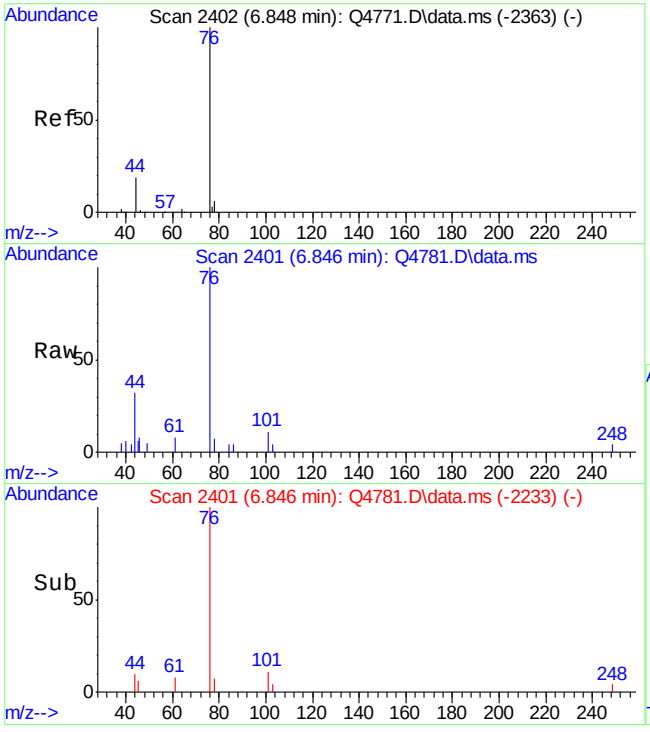
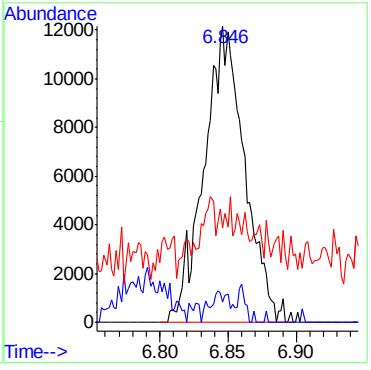
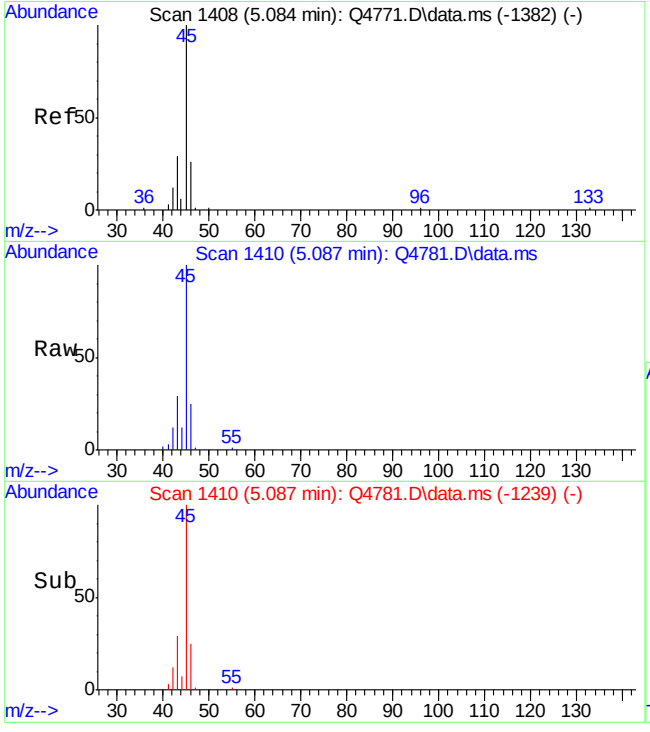


#15
CARBON DISULFIDE
Concen: 0.19 PPBV
RT: 6.846 min Scan# 2401
Delta R.T. -0.002 min
Lab File: Q4781.D
Acq: 2 Oct 2007 9:53 pm

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

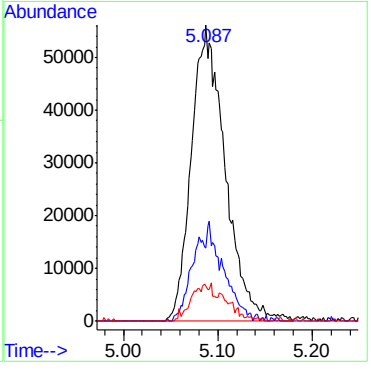


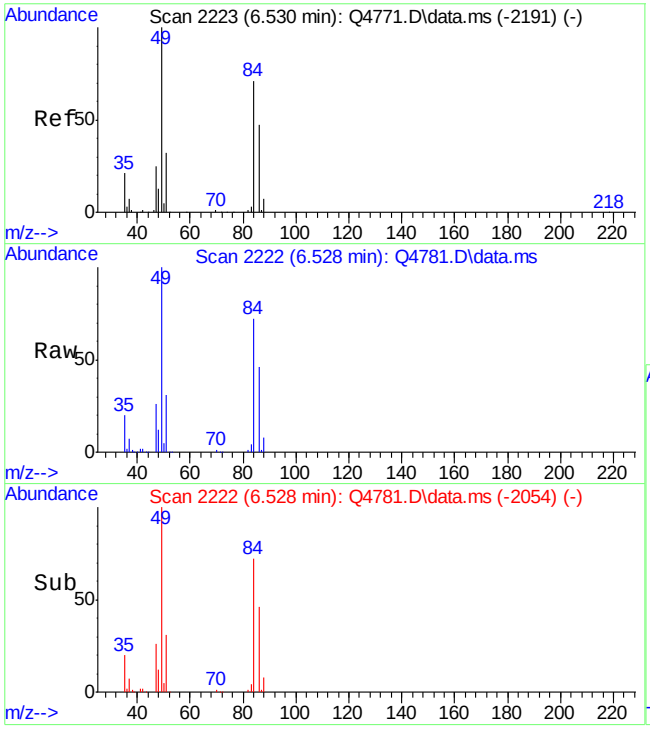


#16
ETHANOL
Concen: 10.93 PPBV
RT: 5.087 min Scan# 1410
Delta R.T. 0.004 min
Lab File: Q4781.D
Acq: 2 Oct 2007 9:53 pm

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

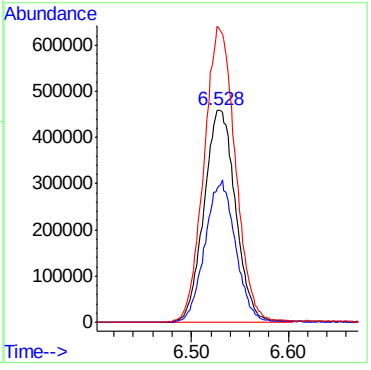


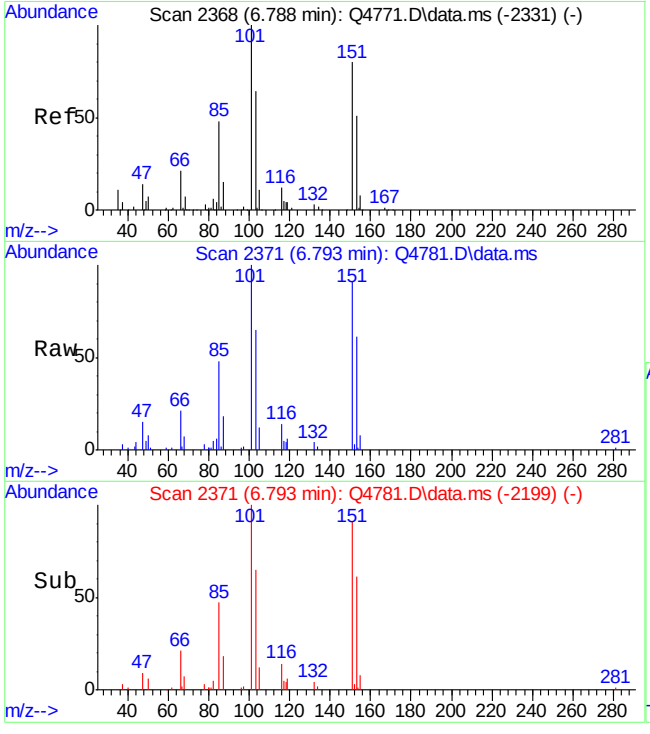


#18
METHYLENE CHLORIDE
Concen: 28.71 PPBV
RT: 6.528 min Scan# 2222
Delta R.T. -0.002 min
Lab File: Q4781.D
Acq: 2 Oct 2007 9:53 pm

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

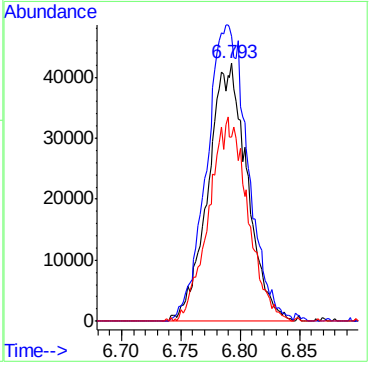




#20
FREON 113
Concen: 0.94 PPBV
RT: 6.793 min Scan# 2371
Delta R.T. 0.005 min
Lab File: Q4781.D
Acq: 2 Oct 2007 9:53 pm

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



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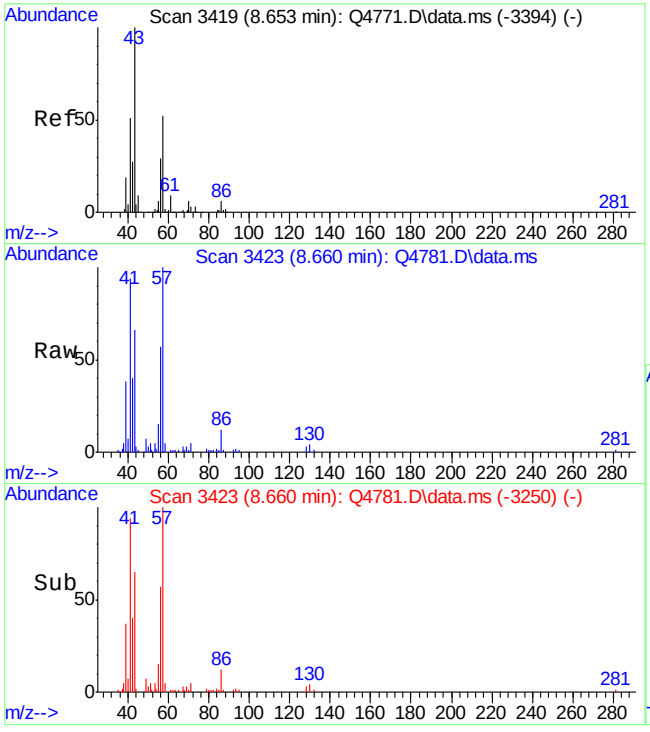
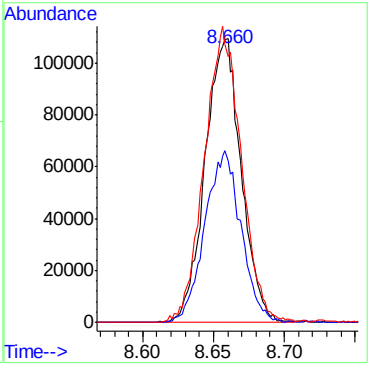
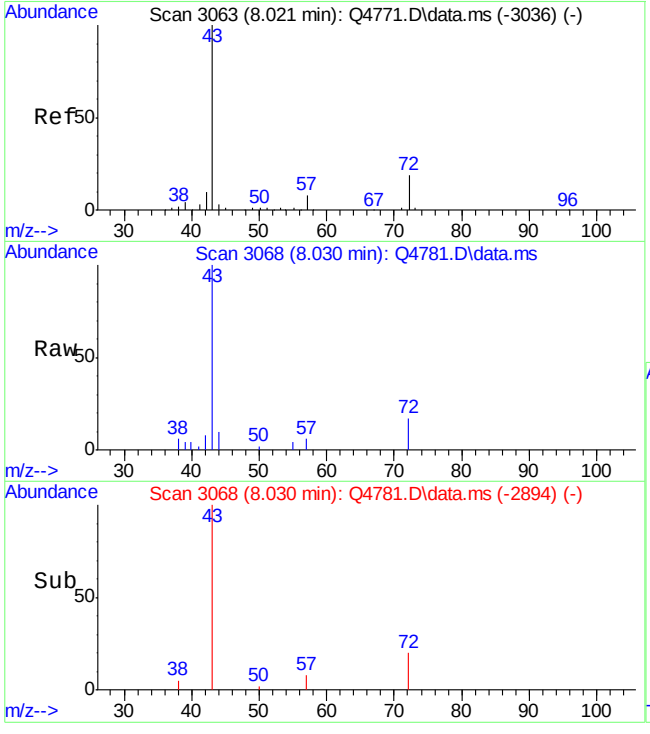


#25
HEXANE
Concen: 3.79 PPBV
RT: 8.660 min Scan# 3423
Delta R.T. 0.007 min
Lab File: Q4781.D
Acq: 2 Oct 2007 9:53 pm

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

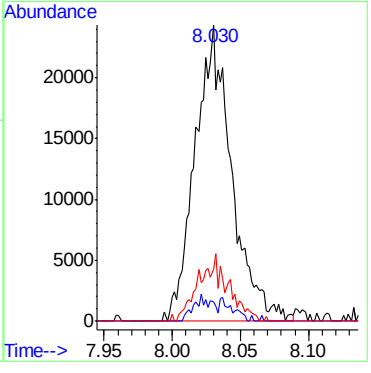


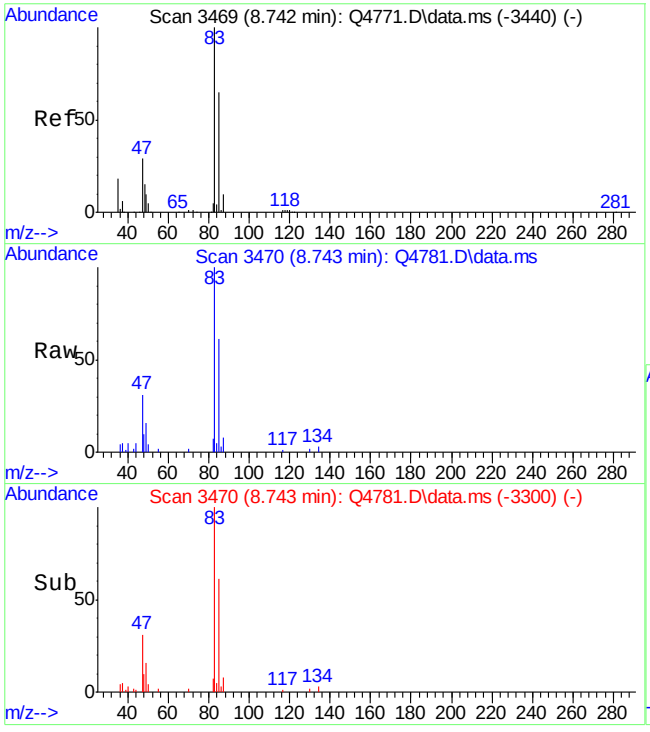


#28
METHYL ETHYL KETONE
Concen: 0.71 PPBV
RT: 8.030 min Scan# 3068
Delta R.T. 0.009 min
Lab File: Q4781.D
Acq: 2 Oct 2007 9:53 pm

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

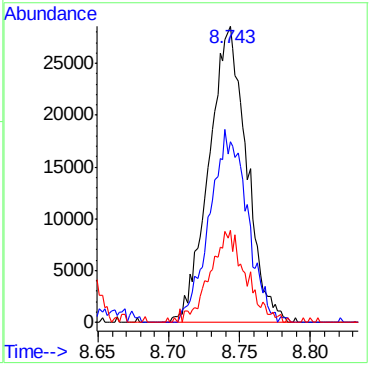


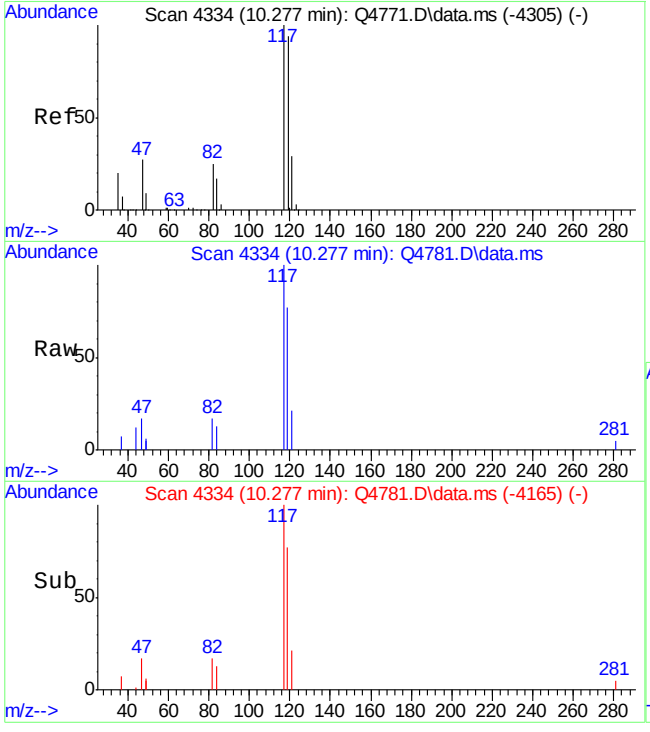


#31
CHLOROFORM
Concen: 0.49 PPBV
RT: 8.743 min Scan# 3470
Delta R.T. 0.002 min
Lab File: Q4781.D
Acq: 2 Oct 2007 9:53 pm

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

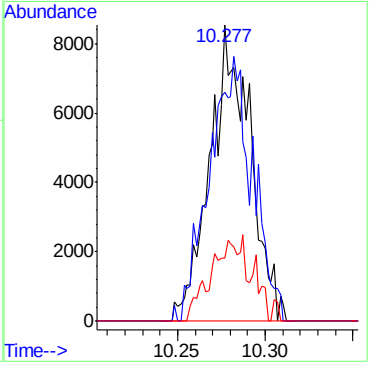




#33
CARBON TETRACHLORIDE
Concen: 0.09 PPBV
RT: 10.277 min Scan# 4334
Delta R.T. -0.000 min
Lab File: Q4781.D
Acq: 2 Oct 2007 9:53 pm

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



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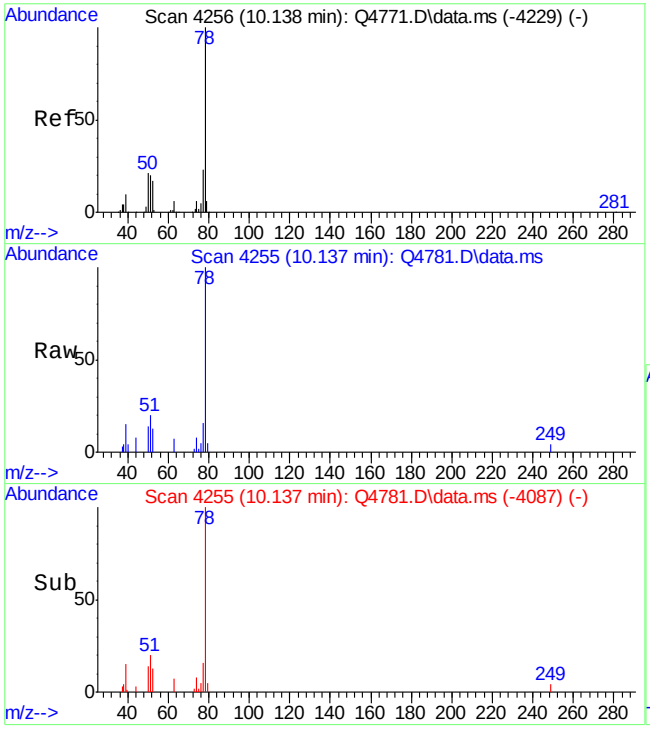
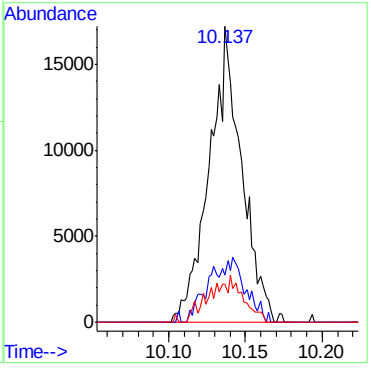
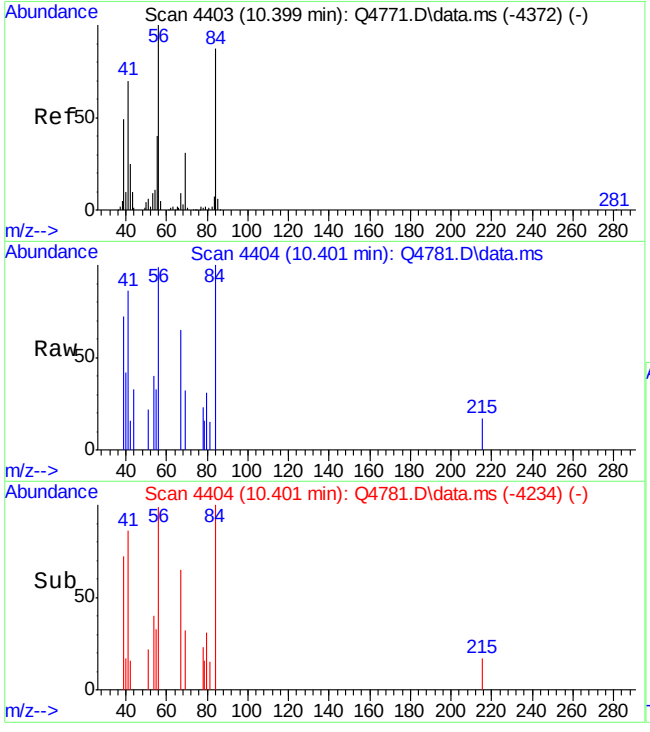


#36
BENZENE
Concen: 0.29 PPBV
RT: 10.137 min Scan# 4255
Delta R.T. -0.002 min
Lab File: Q4781.D
Acq: 2 Oct 2007 9:53 pm

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

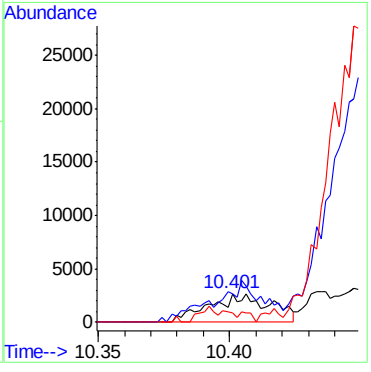




#37
CYCLOHEXANE
Concen: 0.11 PPBV
RT: 10.401 min Scan# 4404
Delta R.T. 0.002 min
Lab File: Q4781.D
Acq: 2 Oct 2007 9:53 pm

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



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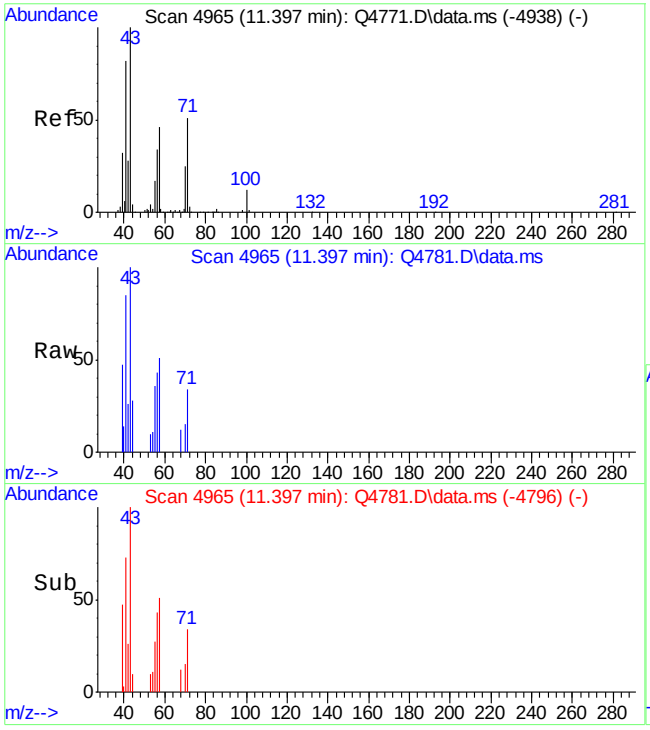
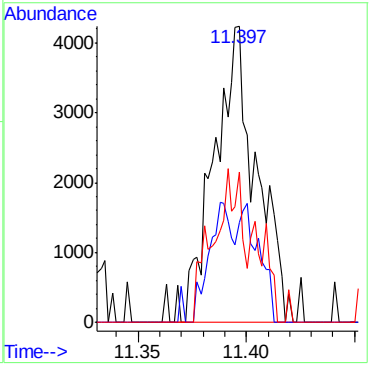
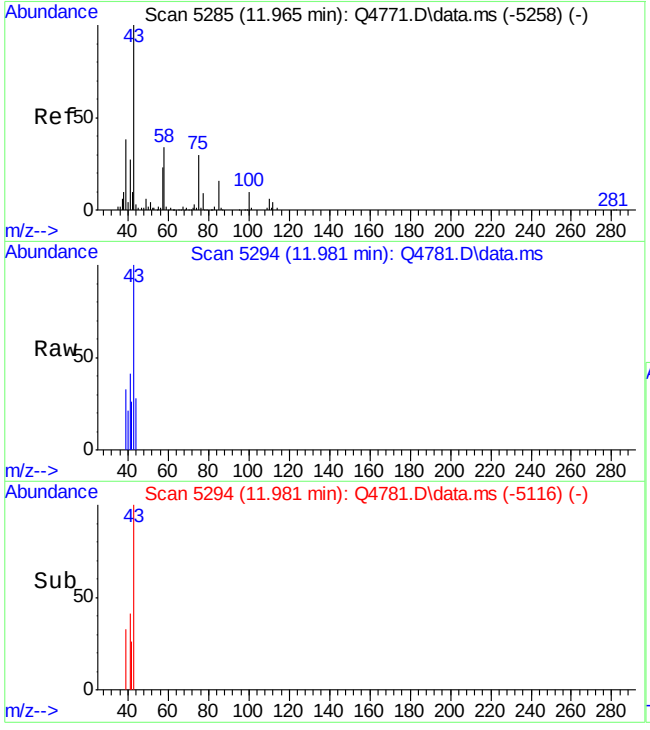


#43
HEPTANE
Concen: 0.12 PPBV
RT: 11.397 min Scan# 4965
Delta R.T. -0.000 min
Lab File: Q4781.D
Acq: 2 Oct 2007 9:53 pm

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

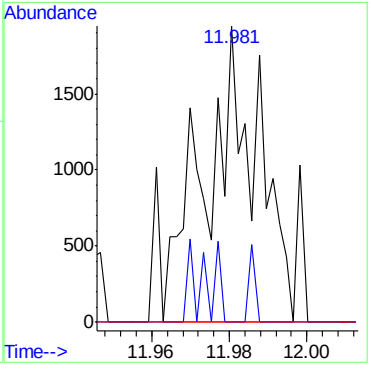


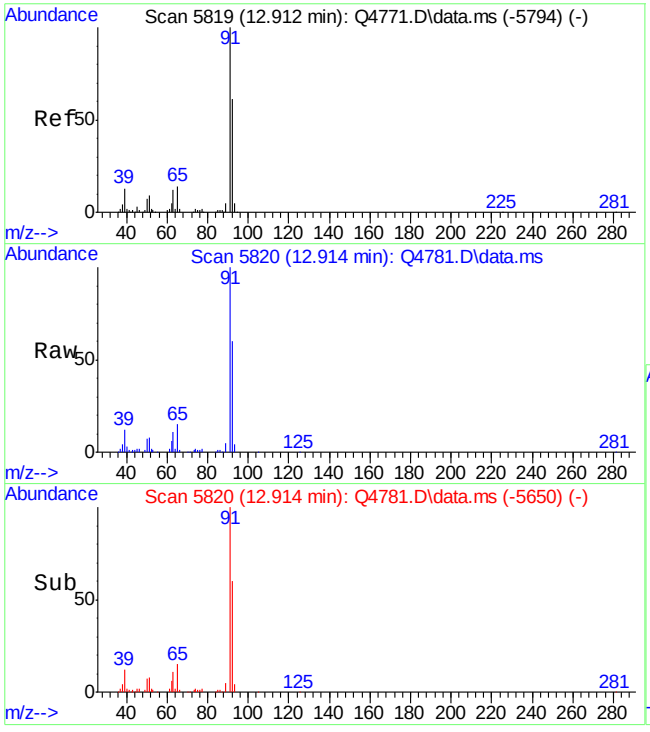


#44
METHYL ISOBUTYL KETONE
Concen: 0.56 PPBV m
RT: 11.981 min Scan# 5294
Delta R.T. 0.017 min
Lab File: Q4781.D
Acq: 2 Oct 2007 9:53 pm

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

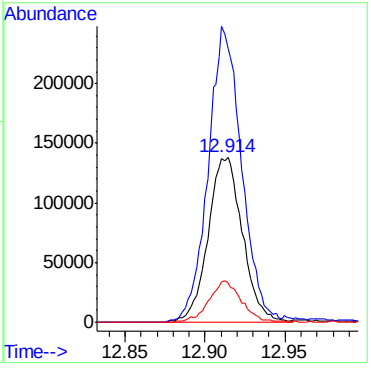


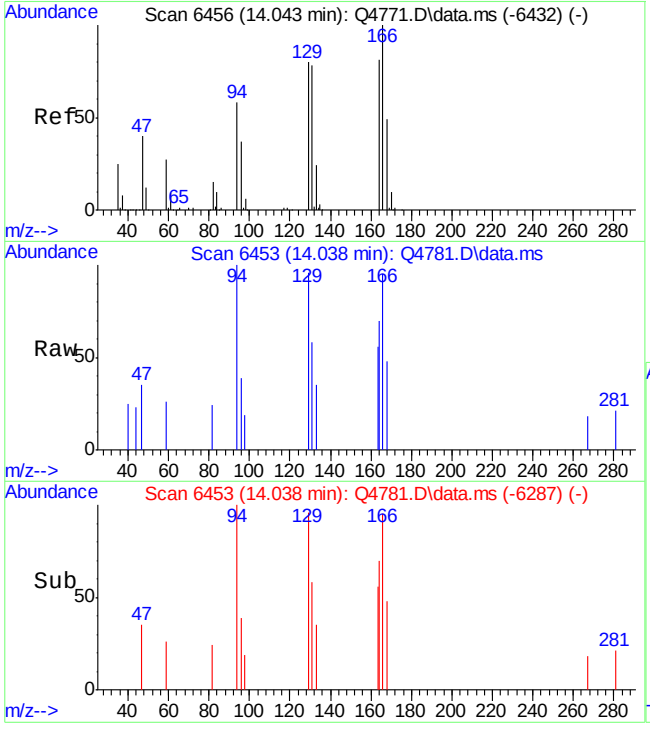


#46
TOLUENE
Concen: 3.43 PPBV
RT: 12.914 min Scan# 5820
Delta R.T. 0.002 min
Lab File: Q4781.D
Acq: 2 Oct 2007 9:53 pm

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

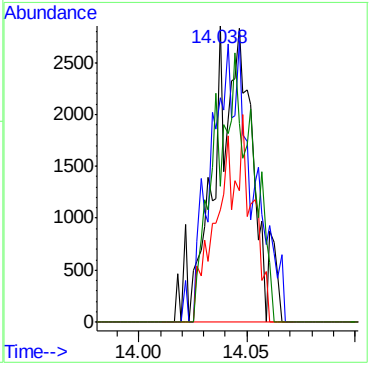


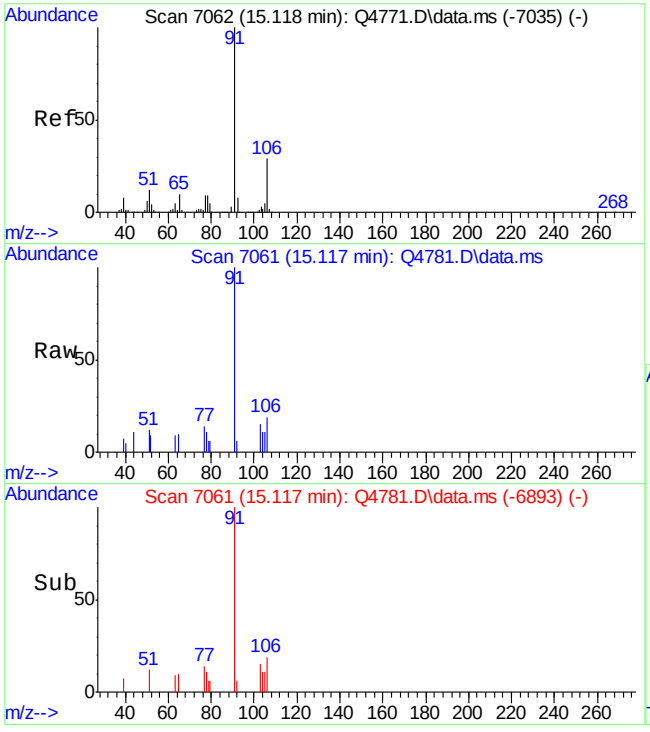


#51
TETRACHLOROETHYLENE
Concen: 0.07 PPBV
RT: 14.038 min Scan# 6453
Delta R.T. -0.005 min
Lab File: Q4781.D
Acq: 2 Oct 2007 9:53 pm

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

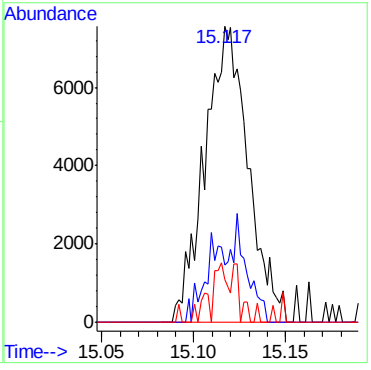


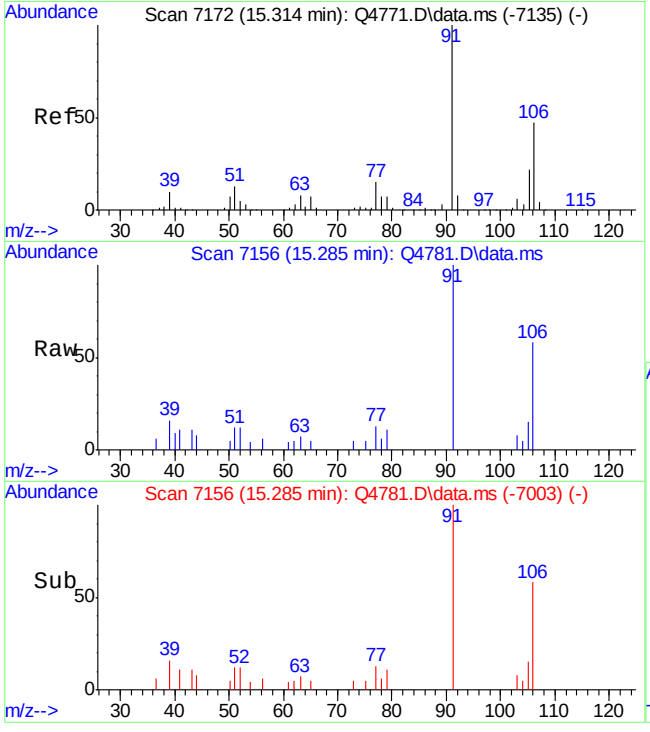


#55
ETHYLBENZENE
Concen: 0.59 PPBV
RT: 15.117 min Scan# 7061
Delta R.T. -0.001 min
Lab File: Q4781.D
Acq: 2 Oct 2007 9:53 pm

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

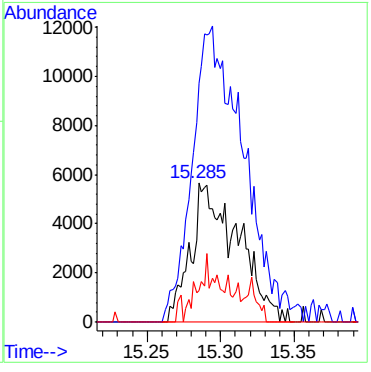


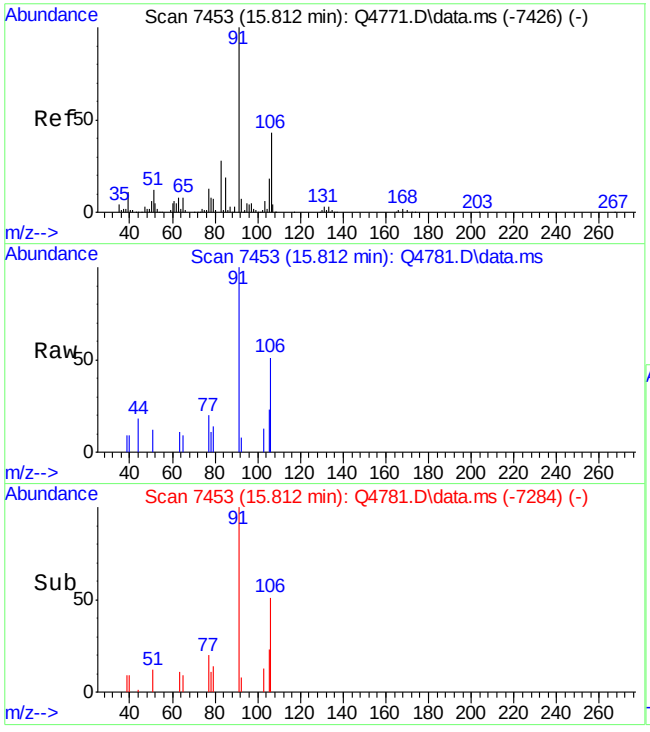


#56
m,p-XYLENE
Concen: 1.16 PPBV
RT: 15.285 min Scan# 7156
Delta R.T. -0.028 min
Lab File: Q4781.D
Acq: 2 Oct 2007 9:53 pm

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#

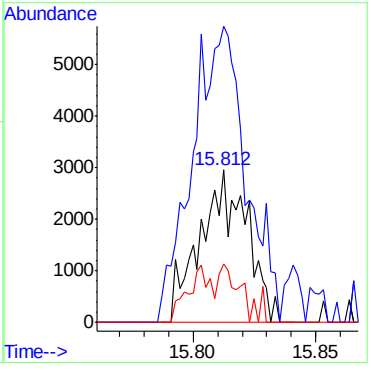


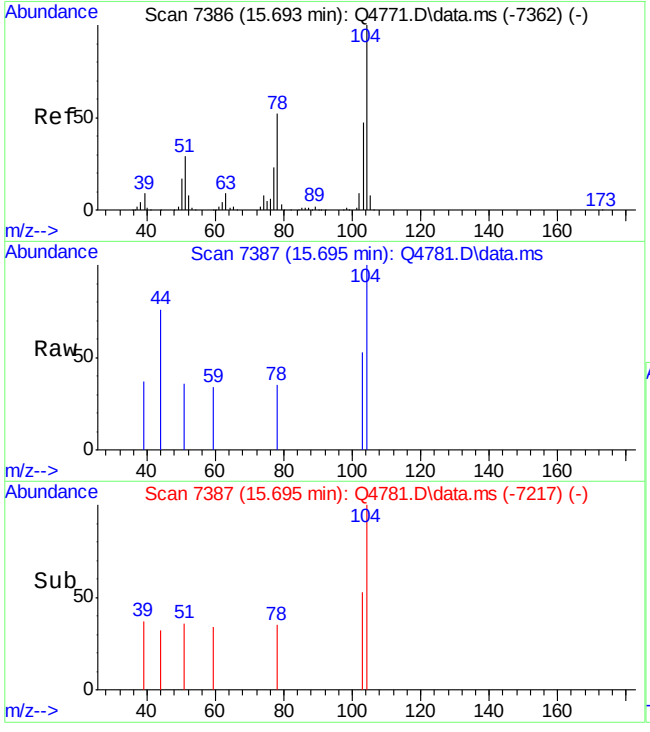


#57
o-XYLENE
Concen: 0.57 PPBV
RT: 15.812 min Scan# 7453
Delta R.T. 0.000 min
Lab File: Q4781.D
Acq: 2 Oct 2007 9:53 pm

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

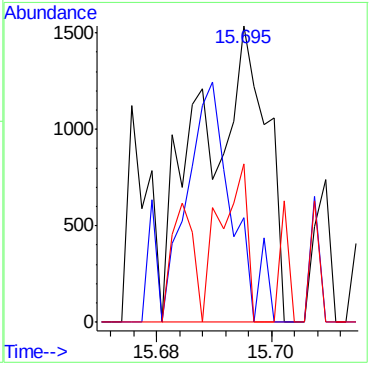


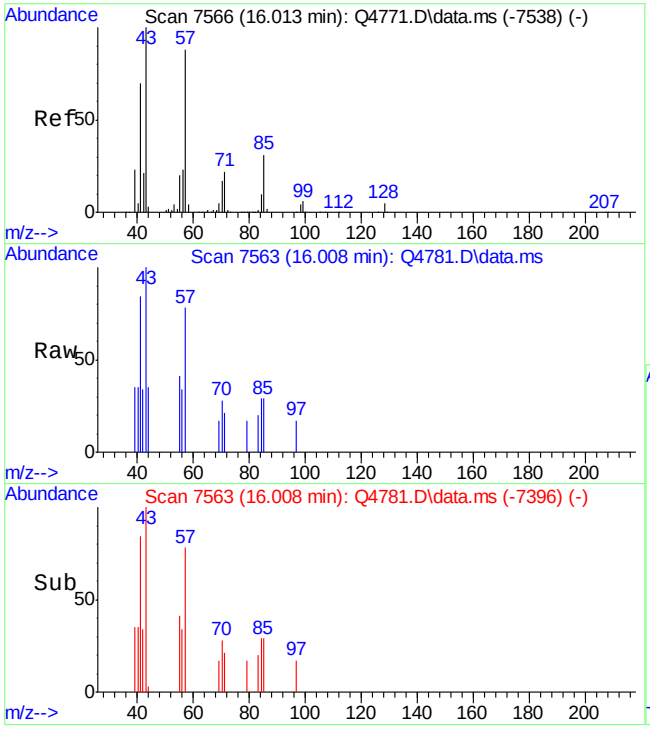


#58
STYRENE
Concen: 0.59 PPBV m
RT: 15.695 min Scan# 7387
Delta R.T. 0.002 min
Lab File: Q4781.D
Acq: 2 Oct 2007 9:53 pm

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

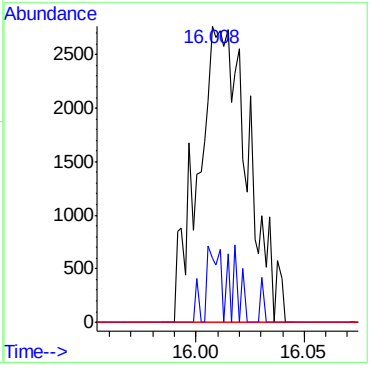


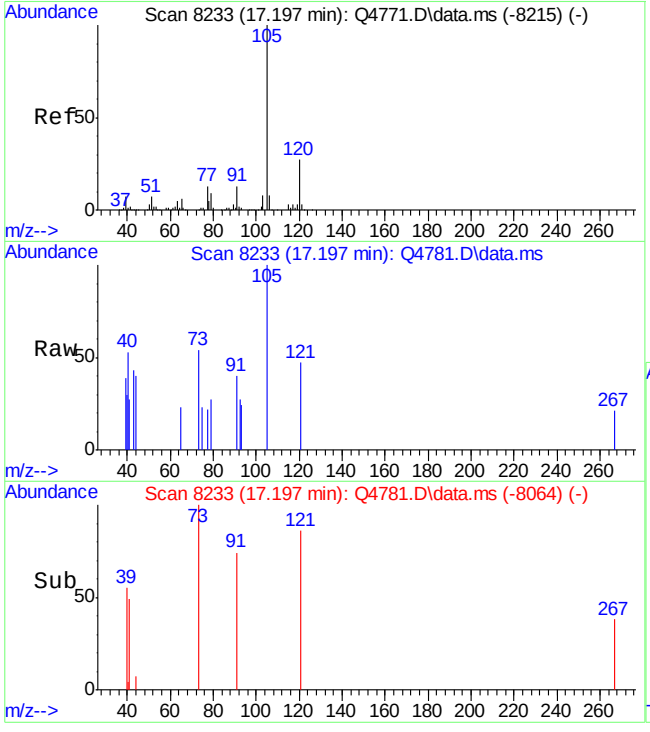


#59
NONANE
Concen: 0.47 PPBV
RT: 16.008 min Scan# 7563
Delta R.T. -0.004 min
Lab File: Q4781.D
Acq: 2 Oct 2007 9:53 pm

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

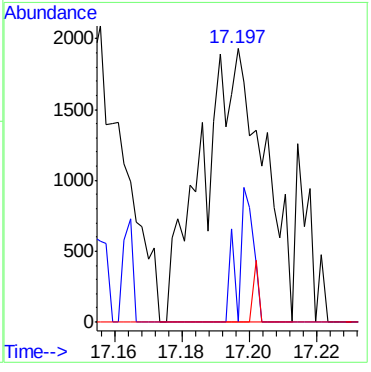


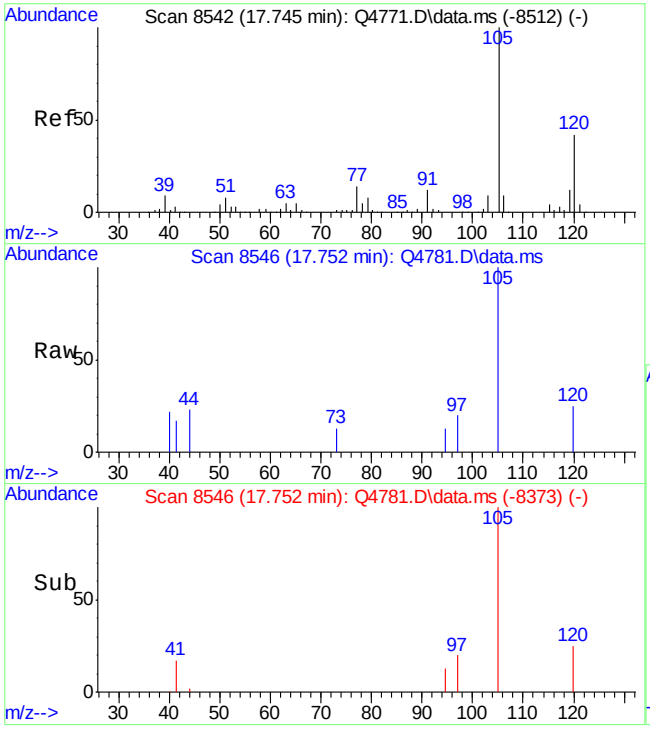


#65
4-ETHYLTOLUENE
Concen: 0.60 PPBV m
RT: 17.197 min Scan# 8233
Delta R.T. 0.001 min
Lab File: Q4781.D
Acq: 2 Oct 2007 9:53 pm

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

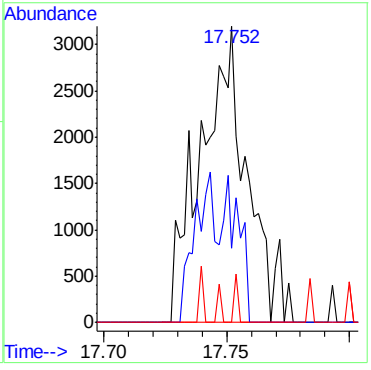




#67
1,2,4-TRIMETHYLBENZENE
Concen: 0.71 PPBV
RT: 17.752 min Scan# 8546
Delta R.T. 0.007 min
Lab File: Q4781.D
Acq: 2 Oct 2007 9:53 pm

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



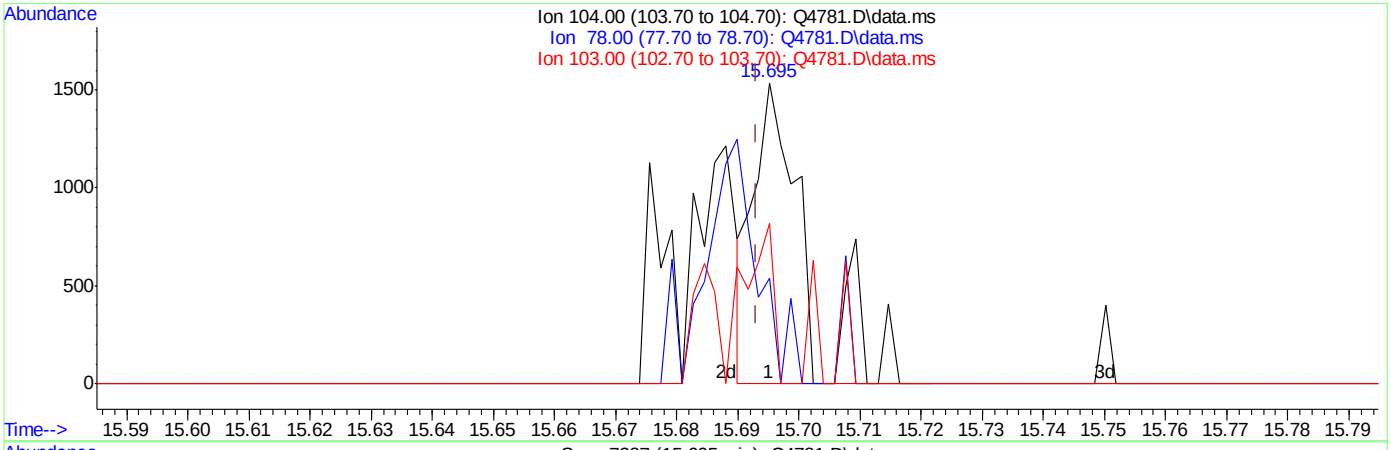
6.4.1

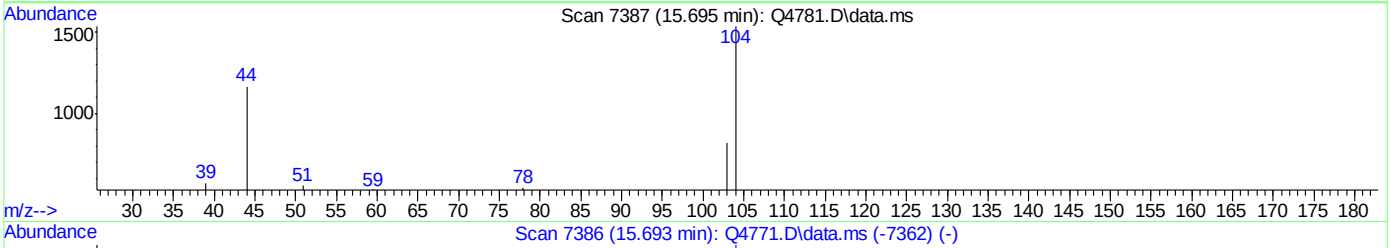
6

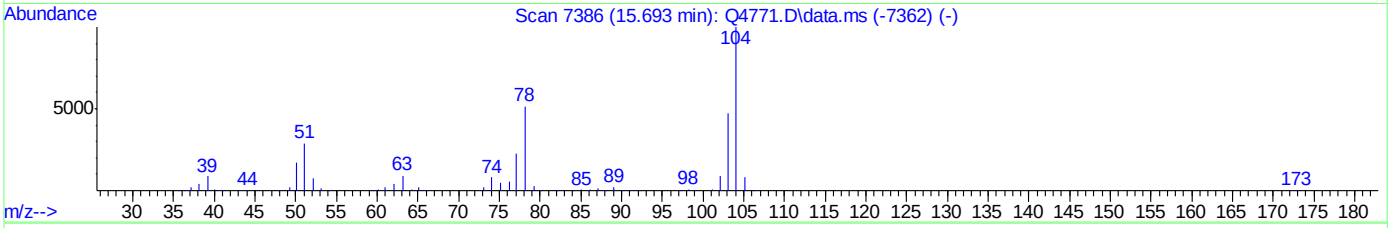
Quantitation Report (Qedit)

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

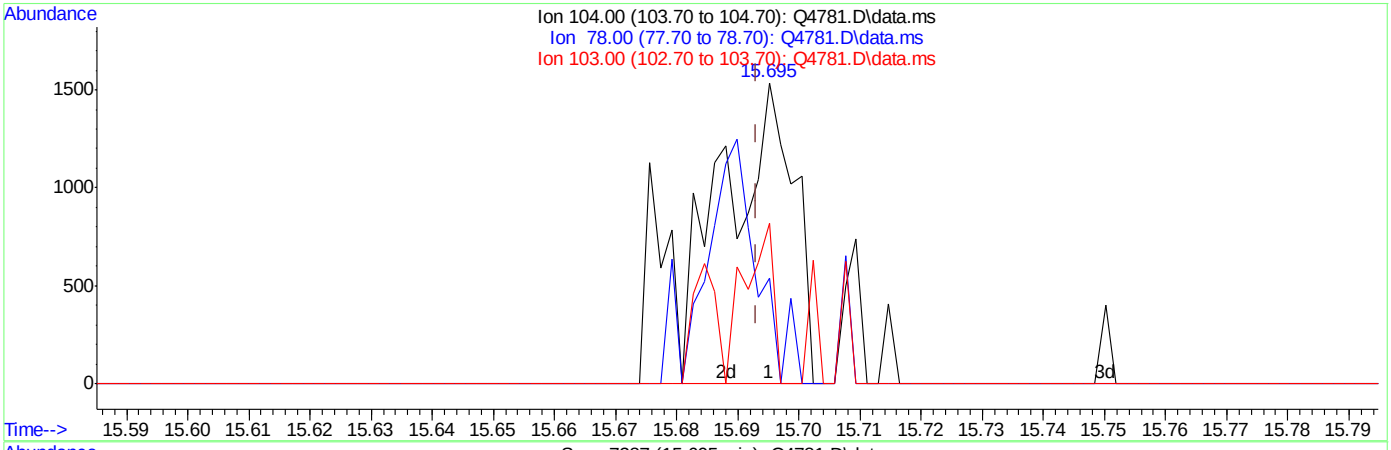
response 894

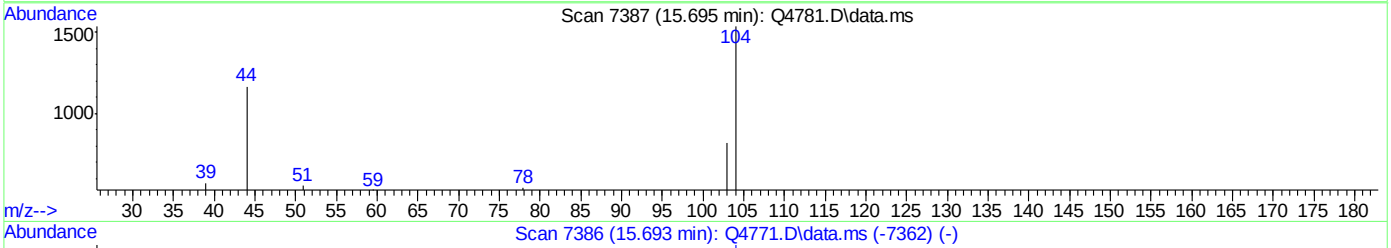
Ion	Exp%	Act%
104.00	100	100
78.00	50.30	0.00#
103.00	47.60	48.32
0.00	0.00	0.00

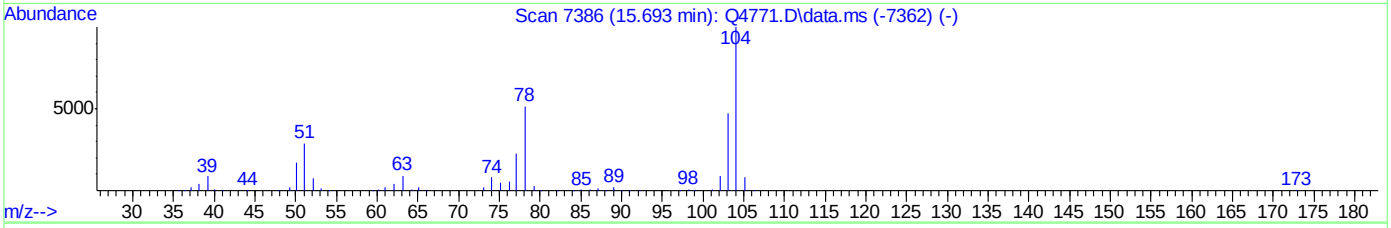
Quantitation Report (Qedit)

```
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

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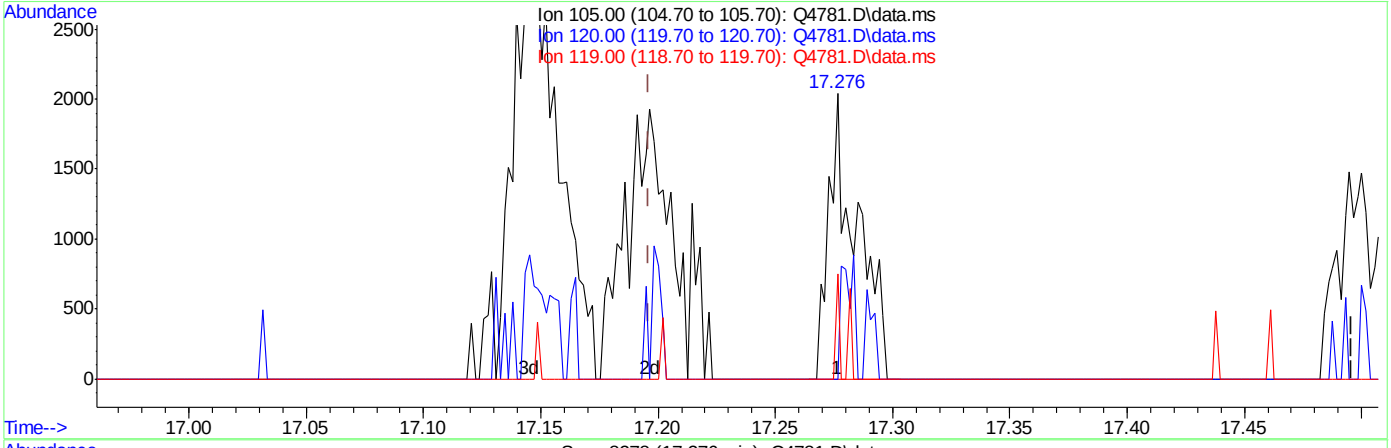
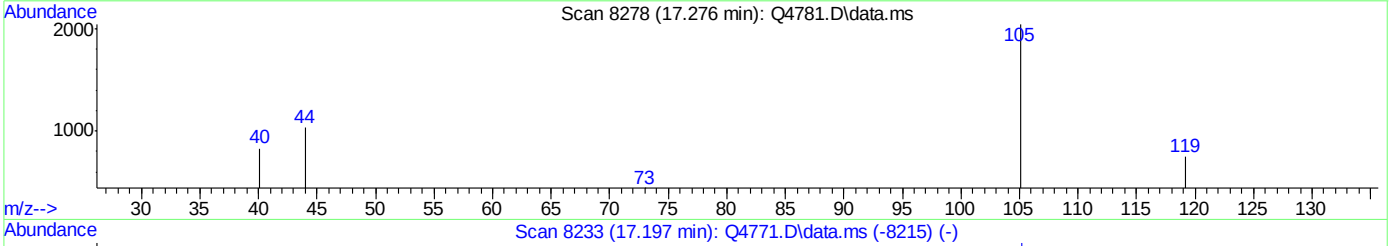
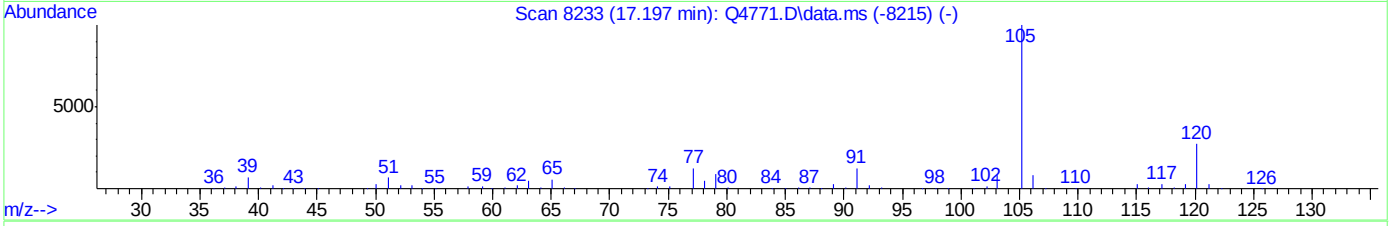
Quantitation Report (Qedit)

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
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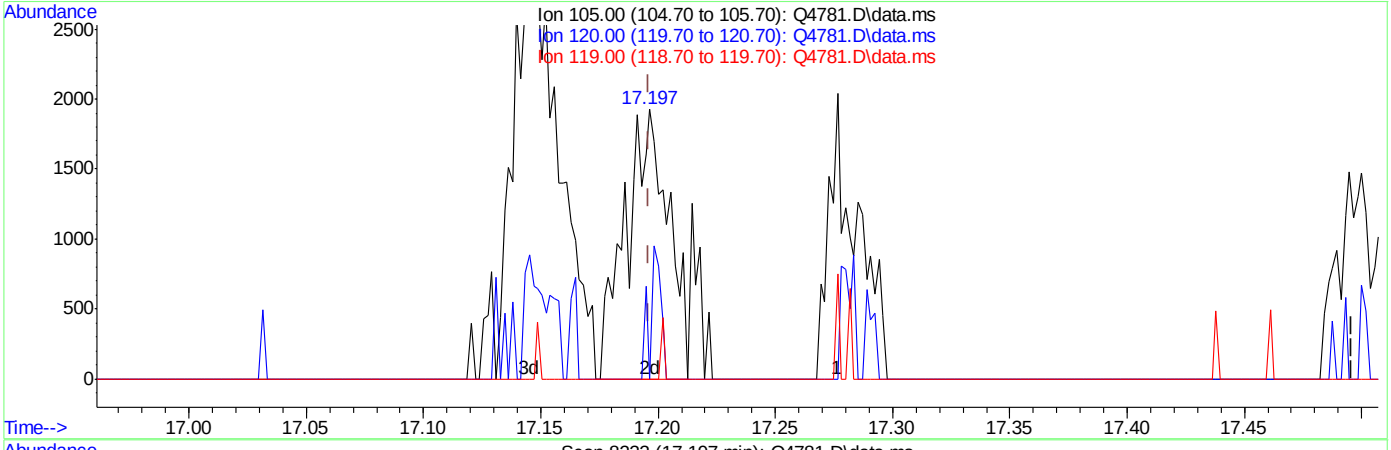

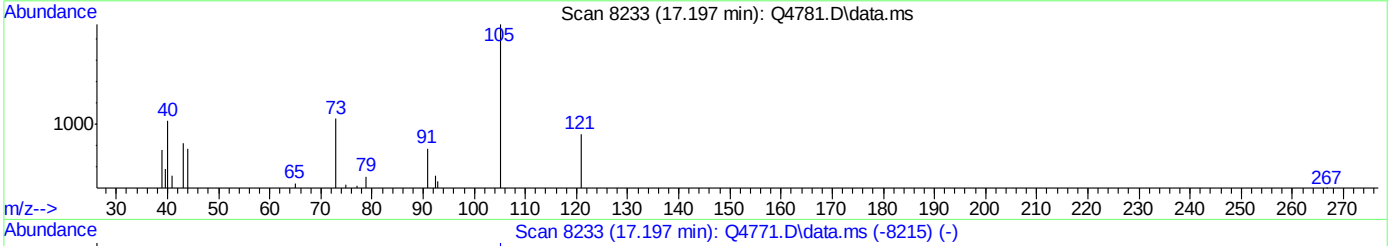

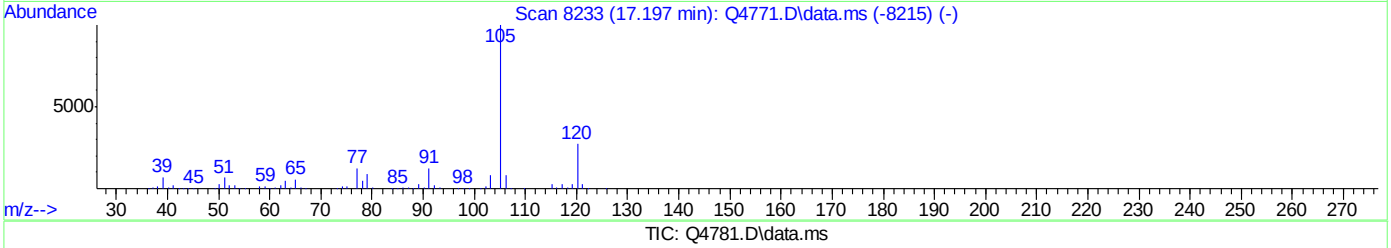

TIC: Q4781.D\data.ms

(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

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Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10856.D
Acq On : 3 Jul 2007 11:43 pm
Operator : danat
Sample : scc (M212)
Misc : MS13857, MSJ561,,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jul 05 17:45:21 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	339305	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.44	114	1281560	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.67	117	1081328	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.29	95	286073	4.19	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 83.80%

Target Compounds	Qvalue

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

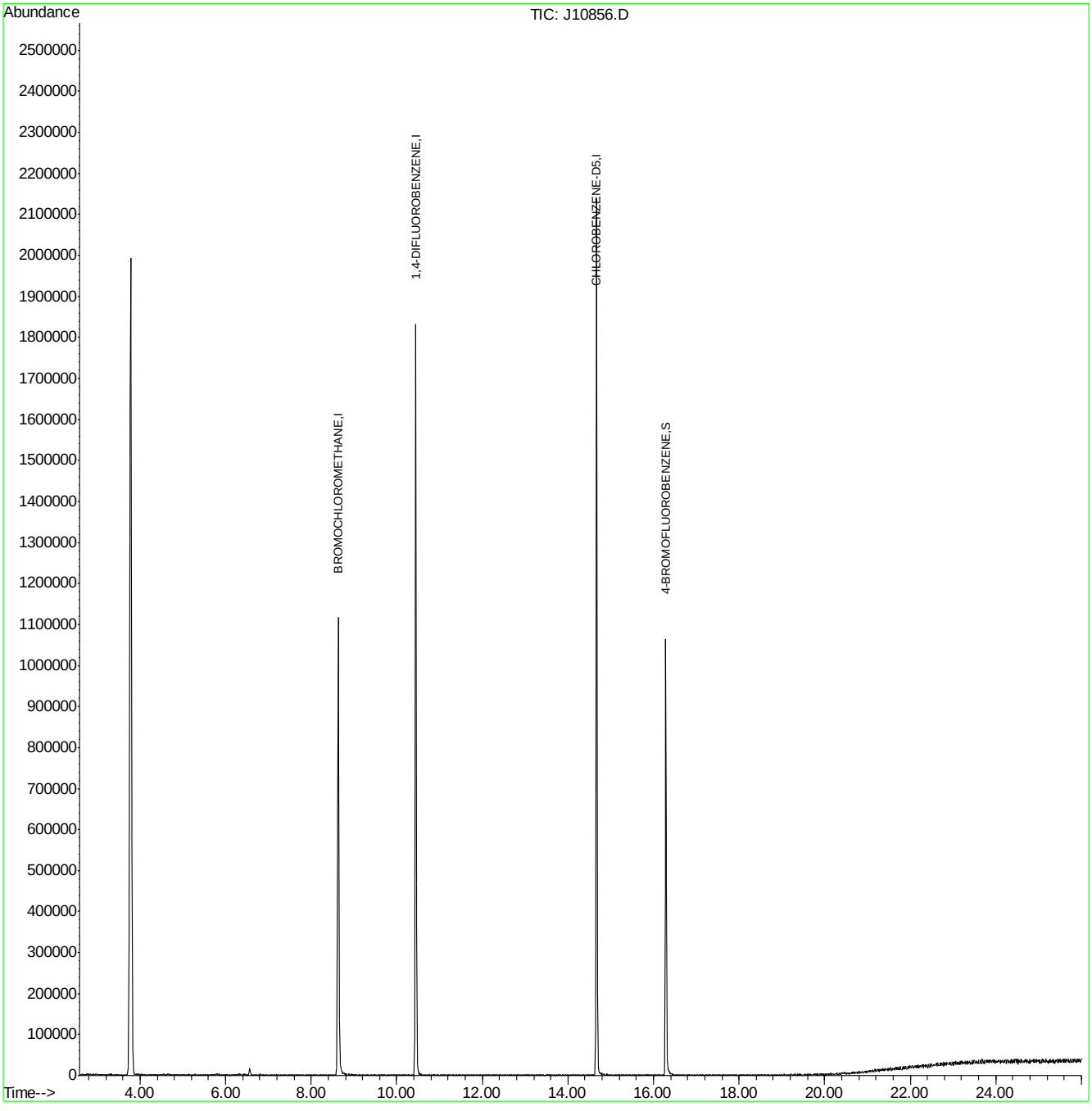
6.5.1

6

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10856.D
Acq On : 3 Jul 2007 11:43 pm
Operator : danat
Sample : scc (M212)
Misc : MS13857, MSJ561,,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jul 05 17:45:21 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 M67847

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10878.D
Acq On : 6 Jul 2007 3:02 am
Operator : danat
Sample : scc (M039)
Misc : MS13866, MSJ562,,,,,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jul 06 12:02:25 2007
Quant Method : C:\MSDCHEM\1\METHODS\J070507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jul 05 17:30:53 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.60	128	324117	10.00	PPBV	-0.01
35) 1,4-DIFLUOROBENZENE	10.42	114	1259480	10.00	PPBV	-0.01
49) CHLOROBENZENE-D5	14.66	117	1131688	10.00	PPBV	-0.01

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.28	95	307492	4.42	PPBV	-0.01

Spiked Amount 5.000 Range 51 - 142 Recovery = 88.40%

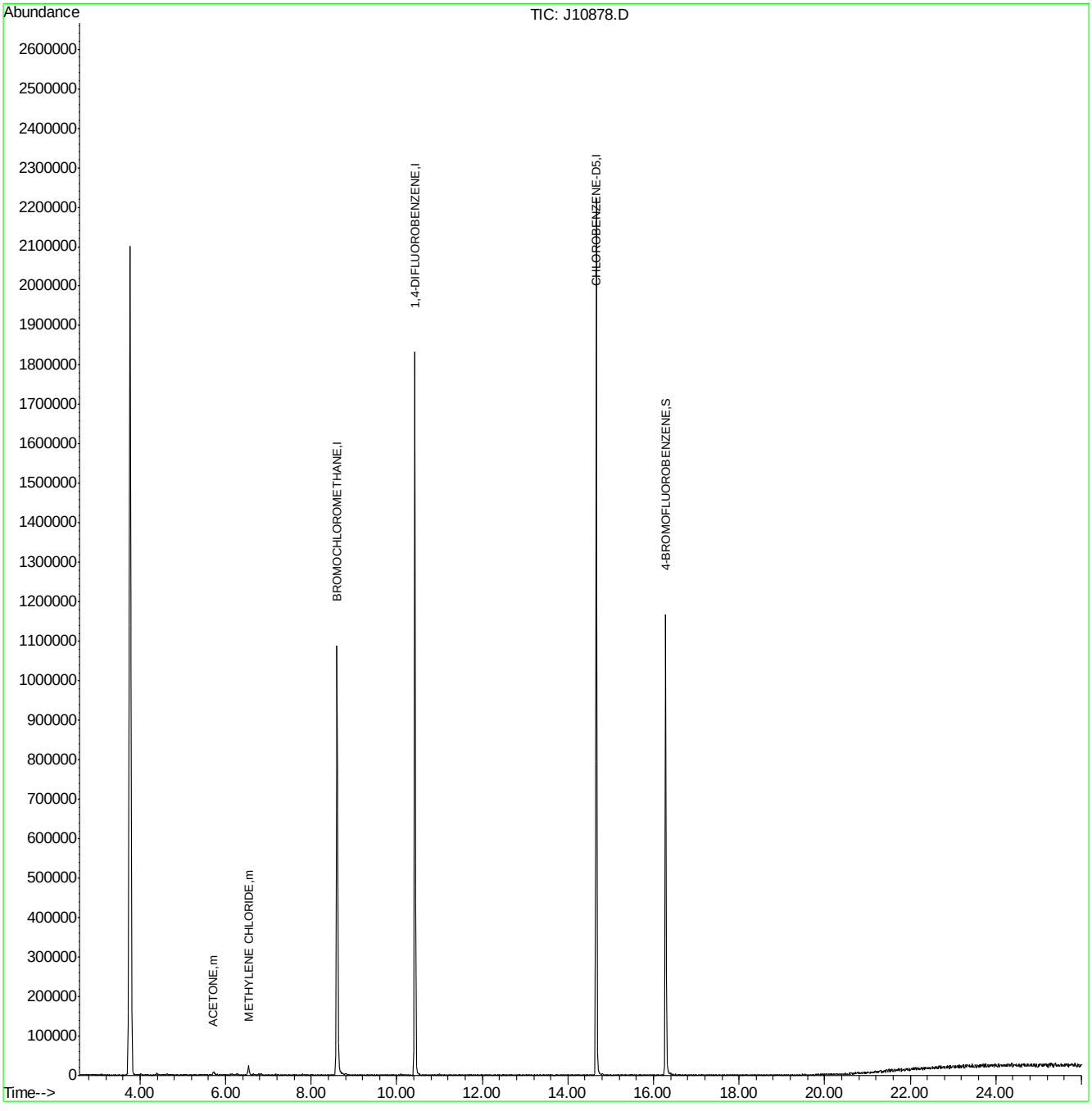
Target Compounds						Qvalue
12) ACETONE	5.71	43	14999	0.40	PPBV	78
18) METHYLENE CHLORIDE	6.54	84	12332	0.29	PPBV	95

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

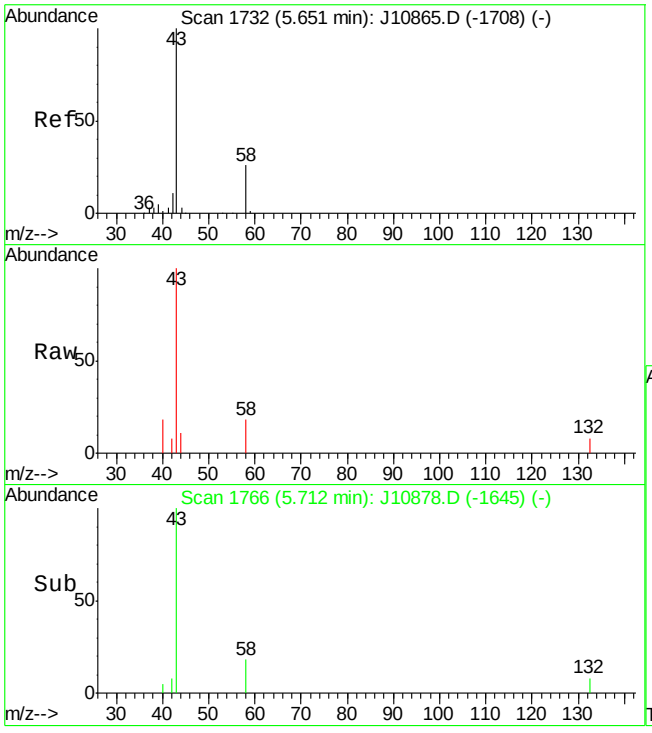
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10878.D
Acq On : 6 Jul 2007 3:02 am
Operator : danat
Sample : scc (M039)
Misc : MS13866, MSJ562,,,,,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jul 06 12:02:25 2007
Quant Method : C:\MSDCHEM\1\METHODS\J070507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jul 05 17:30:53 2007
Response via : Initial Calibration



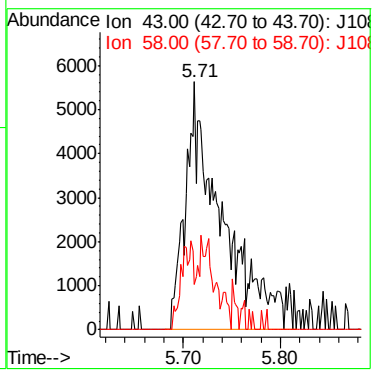
J070507T.M Fri Jul 06 12:02:32 2007 Page: 2

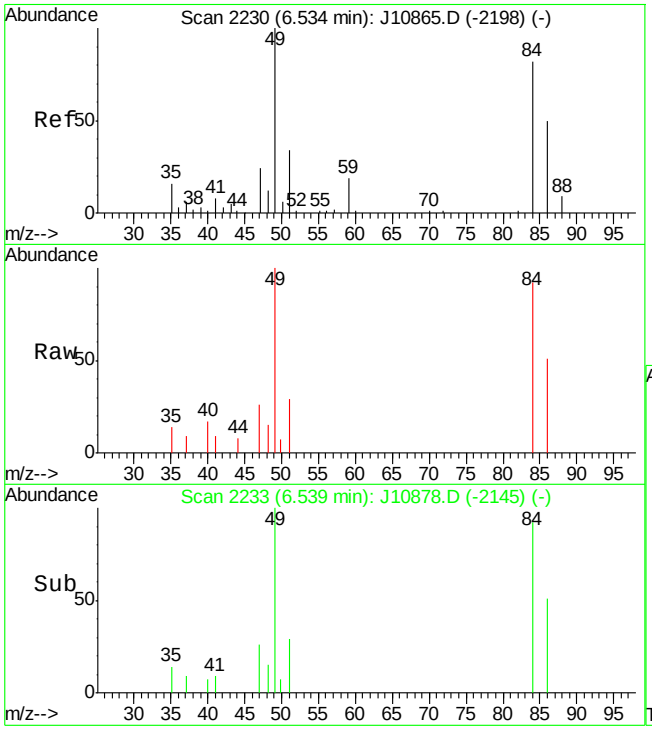


#12
ACETONE
Concen: 0.40 PPBV
RT: 5.71 min Scan# 1766
Delta R.T. 0.06 min
Lab File: J10878.D
Acq: 6 Jul 2007 3:02 am

Tgt Ion: 43 Resp: 14999

Ion	Ratio	Lower	Upper
43	100		
58	14.5	5.6	45.6

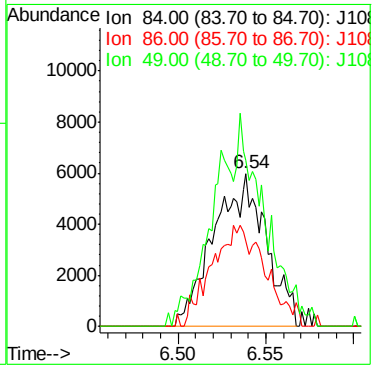




#18
METHYLENE CHLORIDE
Concen: 0.29 PPBV
RT: 6.54 min Scan# 2233
Delta R.T. 0.01 min
Lab File: J10878.D
Acq: 6 Jul 2007 3:02 am

Tgt Ion: 84 Resp: 12332

Ion	Ratio	Lower	Upper
84	100		
86	68.5	44.2	84.2
49	133.8	0.0	327.7

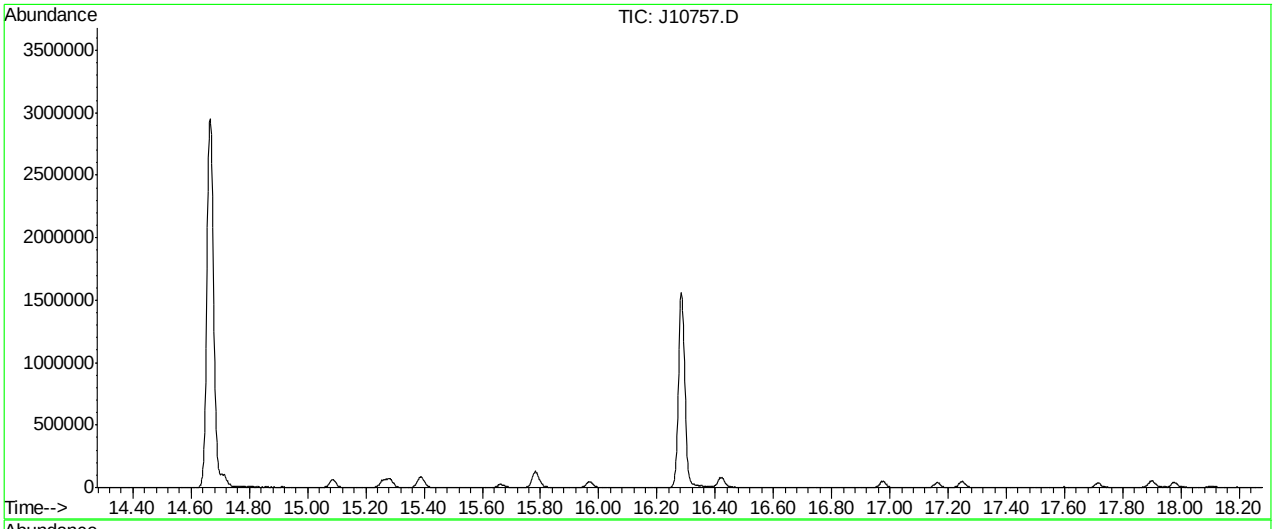


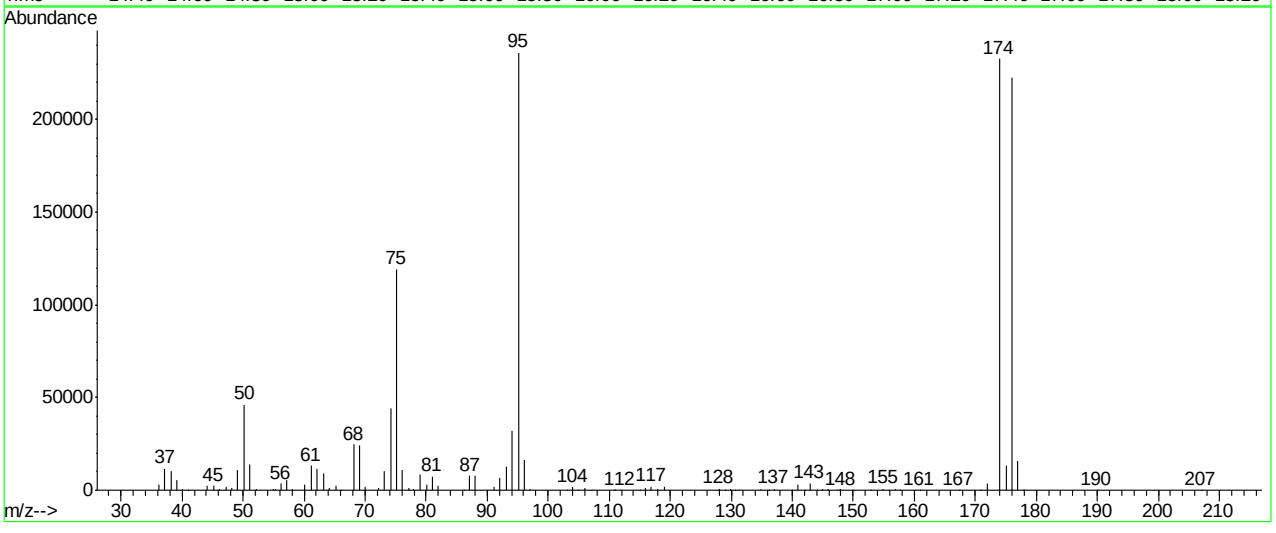
BFB

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)

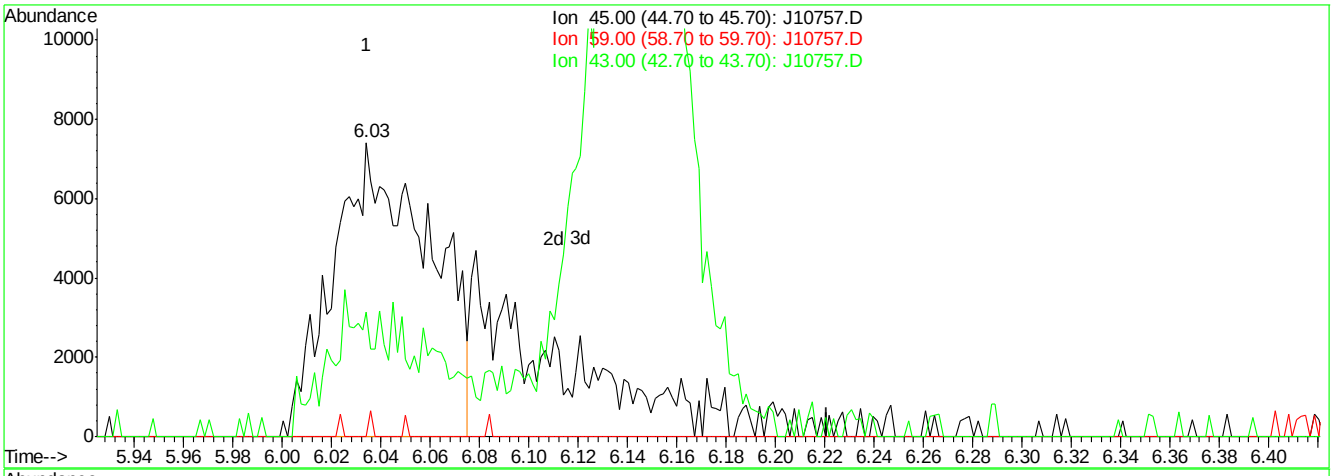
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
157.70	216	189.90	149				
160.90	252	207.00	144				
167.30	185						
170.90	169						
172.00	3719						
174.00	232533						
175.10	13538						
176.00	222378						
177.00	15745						
177.80	173						
178.10	138						

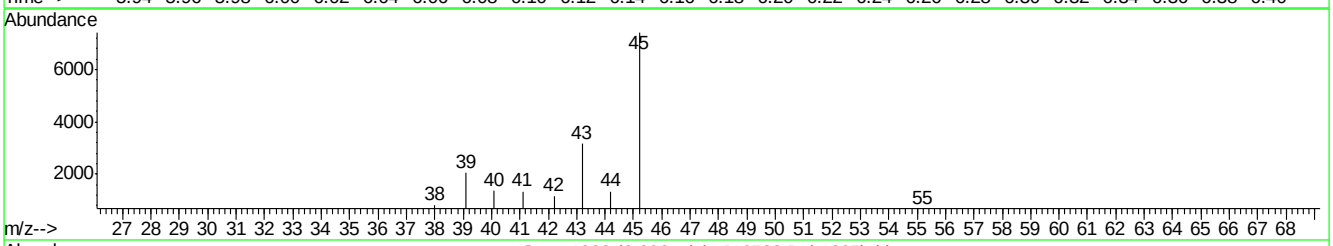
Quantitation Report (Qedit)

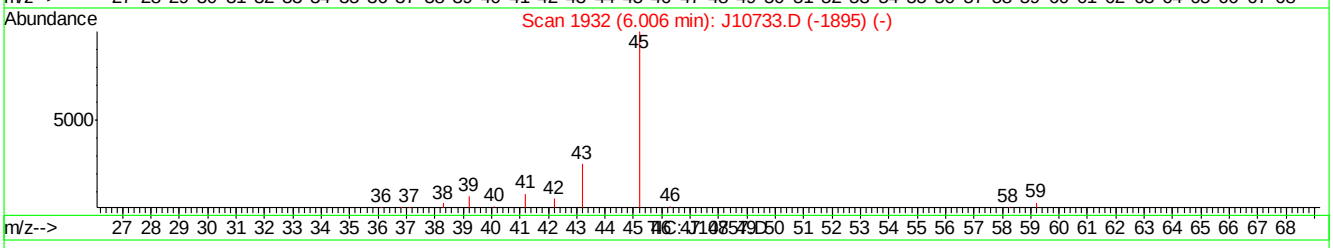
Data File : C:\MSDChem\1\data\J10757.D Vial: 2
Acq On : 25 Jun 2007 10:16 am Operator: danat
Sample : ic557-0.5 (m141) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

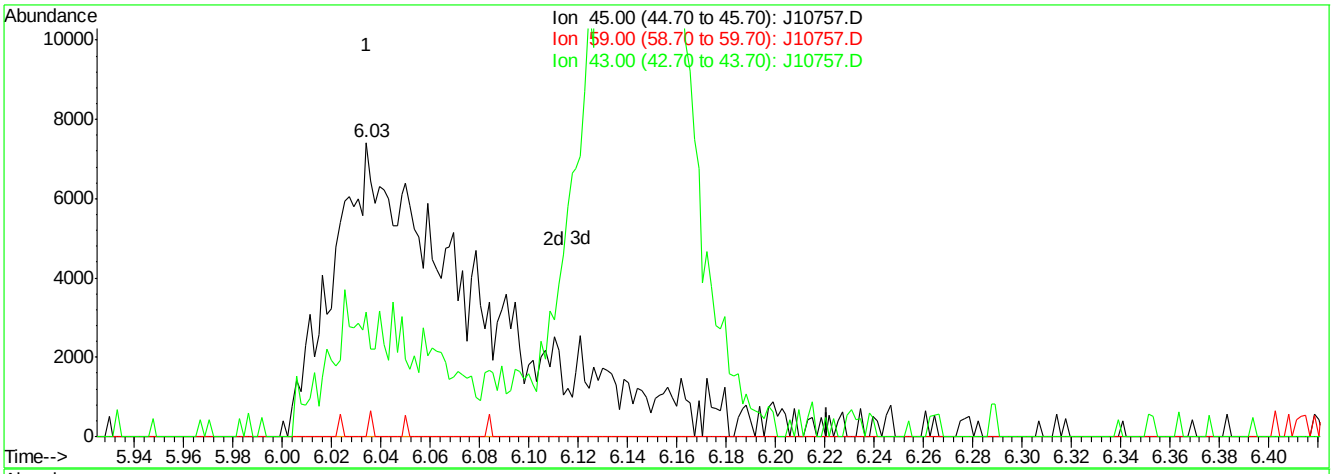
J10757.D J062507T.M Mon Jun 25 10:48:40 2007

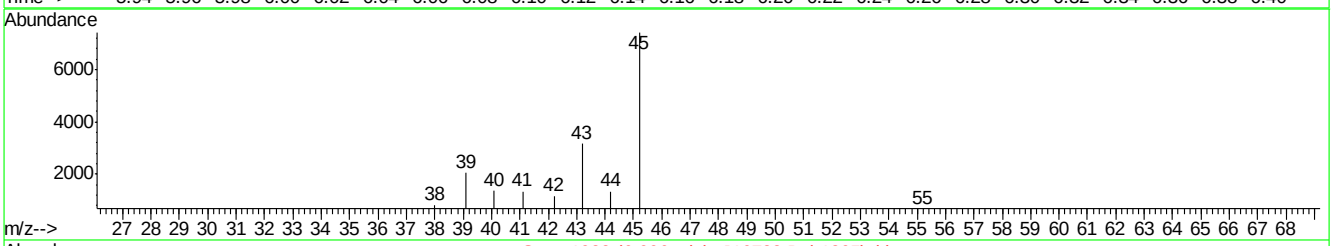
Quantitation Report (Qedit)

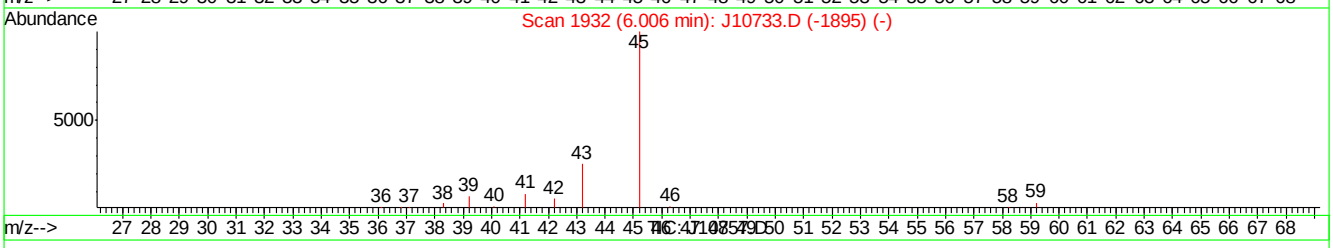
Data File : C:\MSDChem\1\data\J10757.D Vial: 2
Acq On : 25 Jun 2007 10:16 am Operator: danat
Sample : ic557-0.5 (m141) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

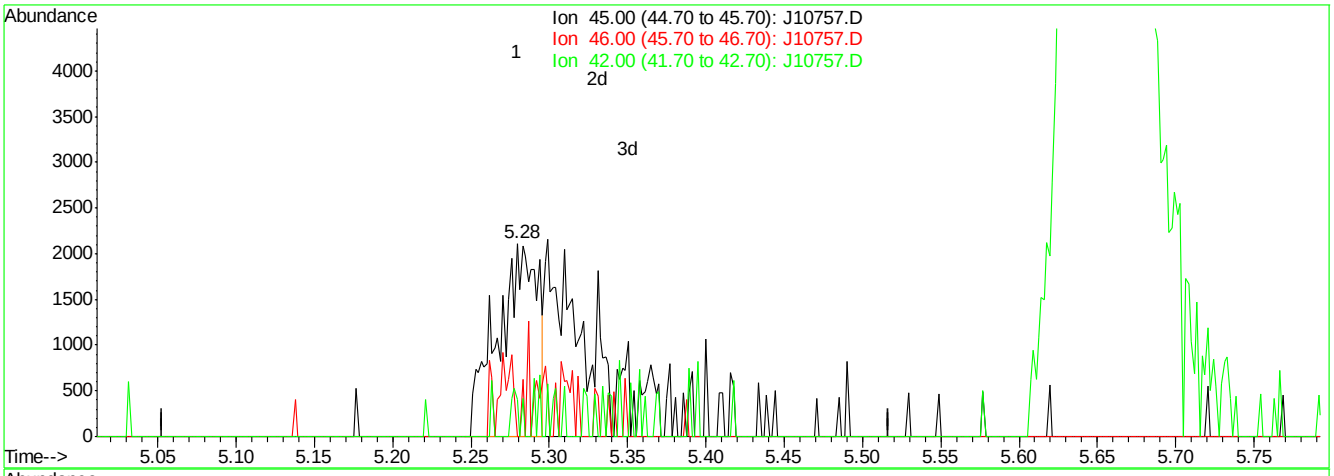
J10757.D J062507T.M Mon Jun 25 10:48:45 2007

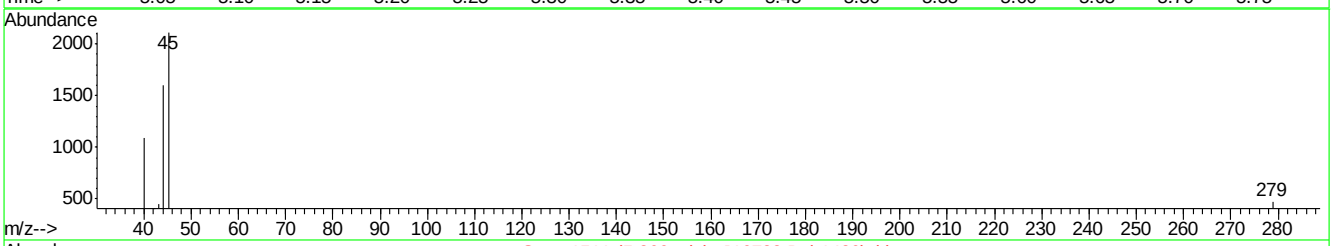
Quantitation Report (Qedit)

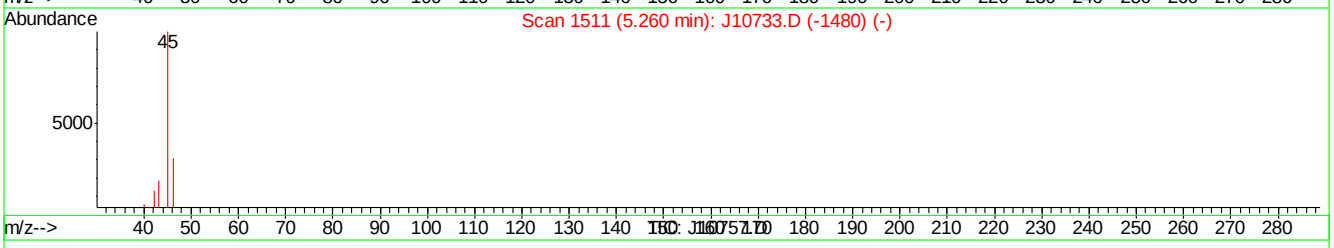
Data File : C:\MSDChem\1\data\J10757.D Vial: 2
Acq On : 25 Jun 2007 10:16 am Operator: danat
Sample : ic557-0.5 (m141) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

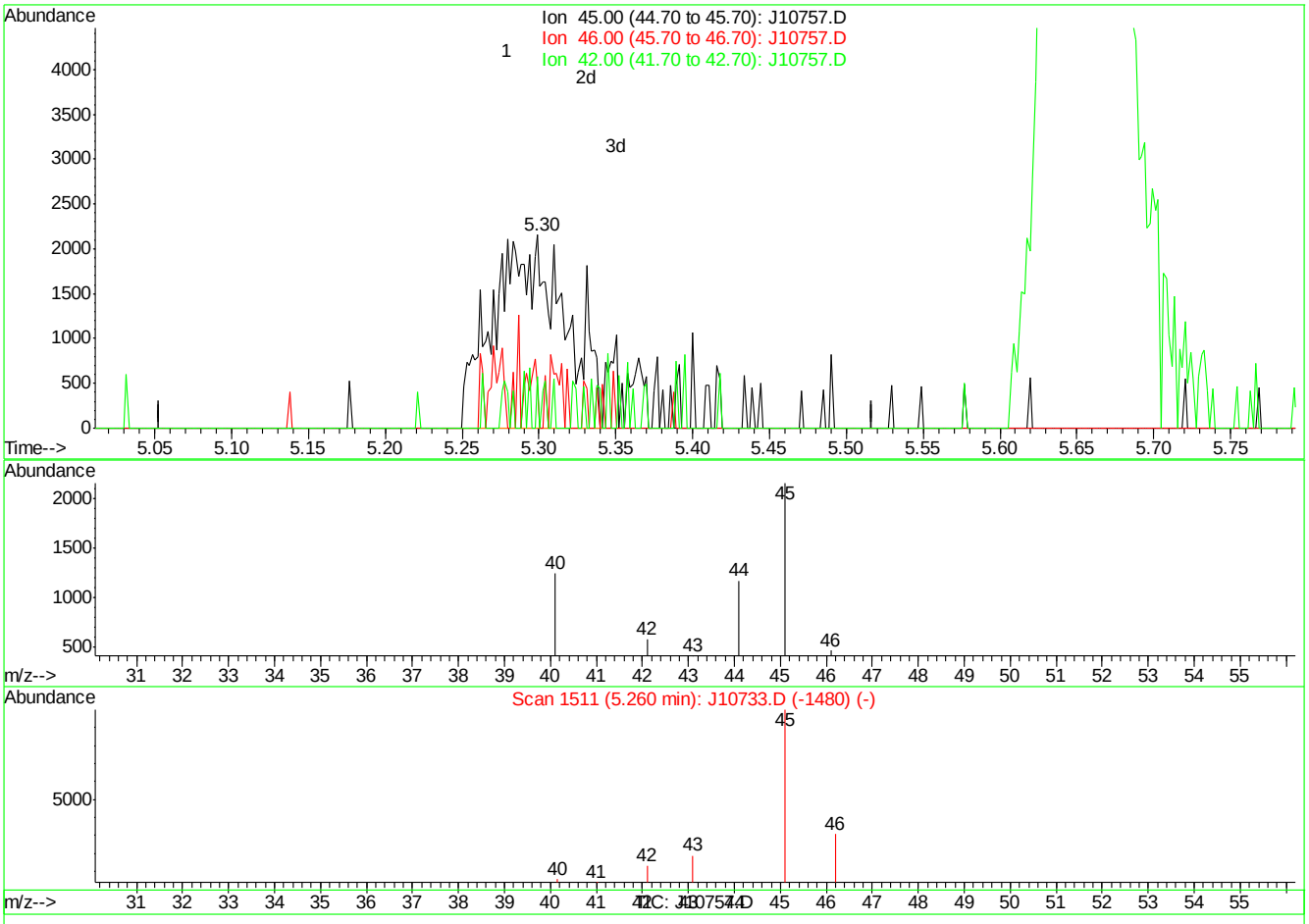
J10757.D J062507T.M Mon Jun 25 10:49:22 2007

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

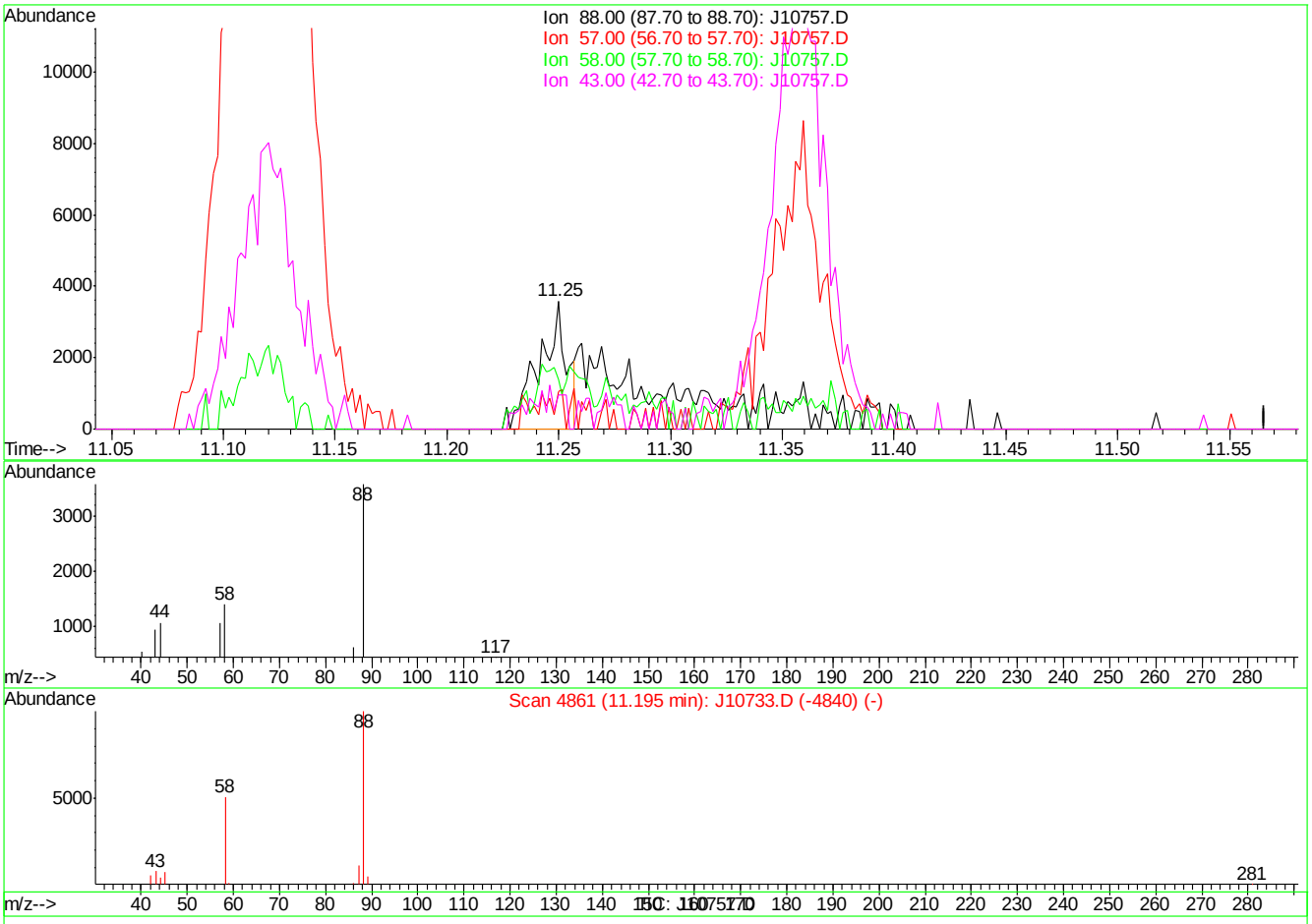
J10757.D J062507T.M Mon Jun 25 10:49:33 2007

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

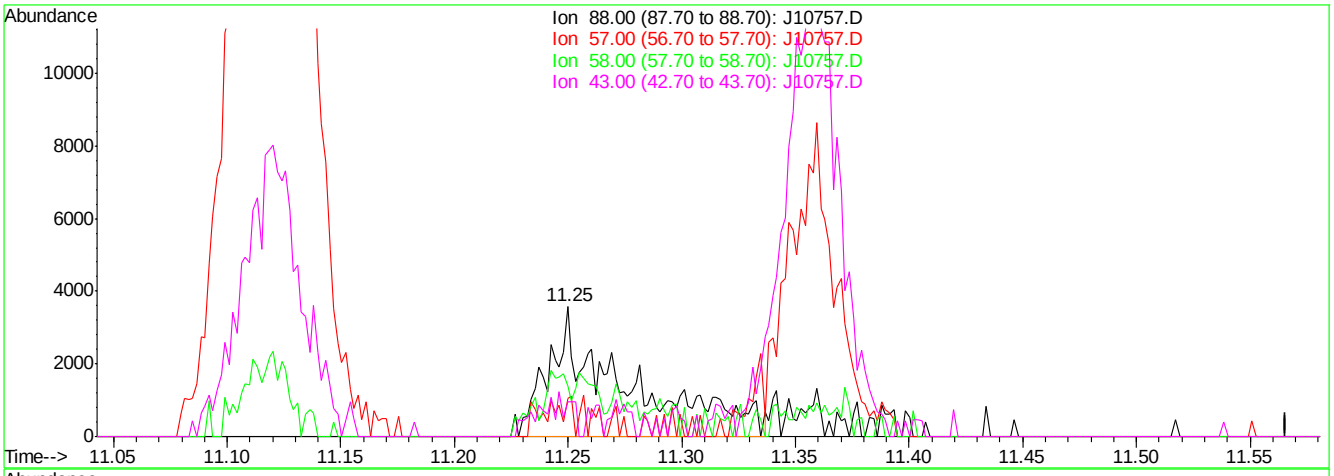
J10757.D J062507T.M Mon Jun 25 10:49:57 2007

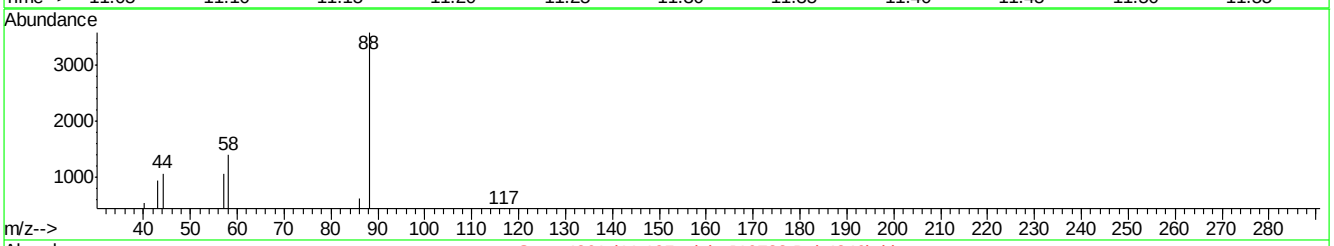
Quantitation Report (Qedit)

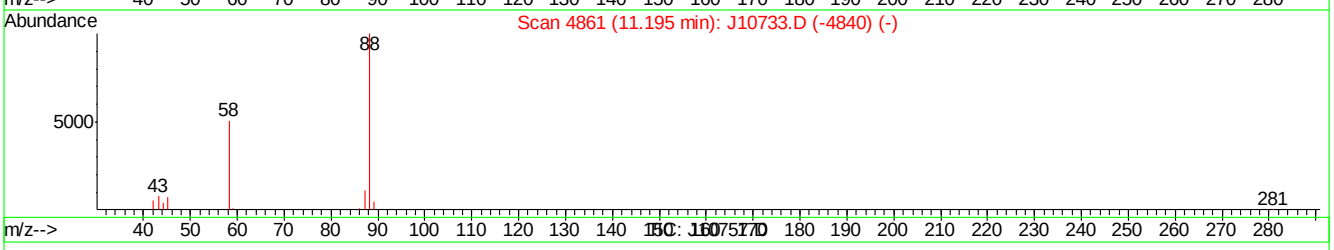
Data File : C:\MSDChem\1\data\J10757.D Vial: 2
Acq On : 25 Jun 2007 10:16 am Operator: danat
Sample : ic557-0.5 (m141) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

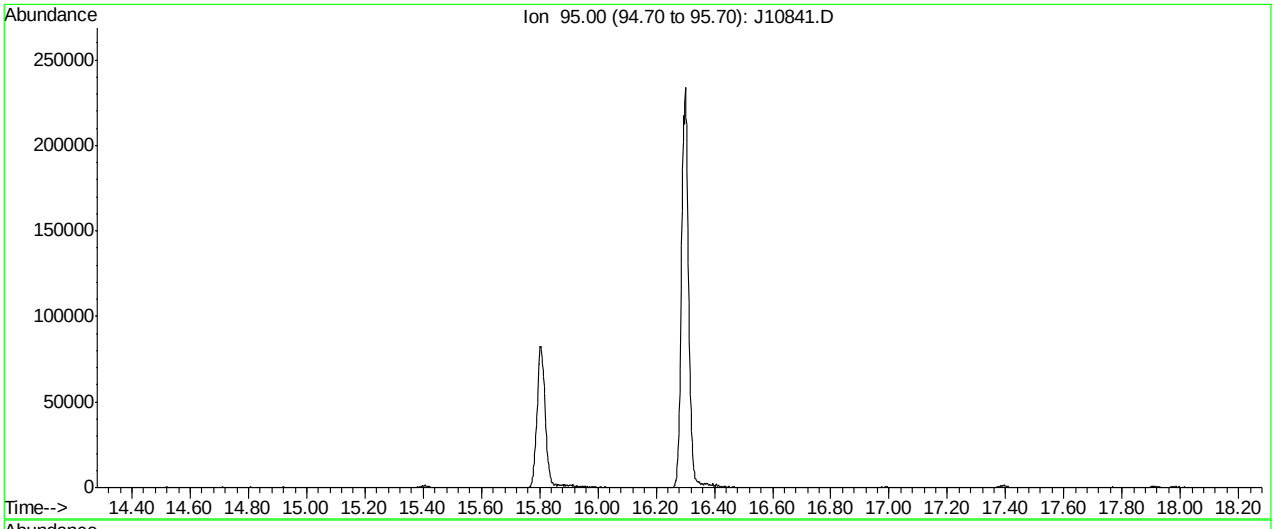
J10757.D J062507T.M Mon Jun 25 10:50:10 2007

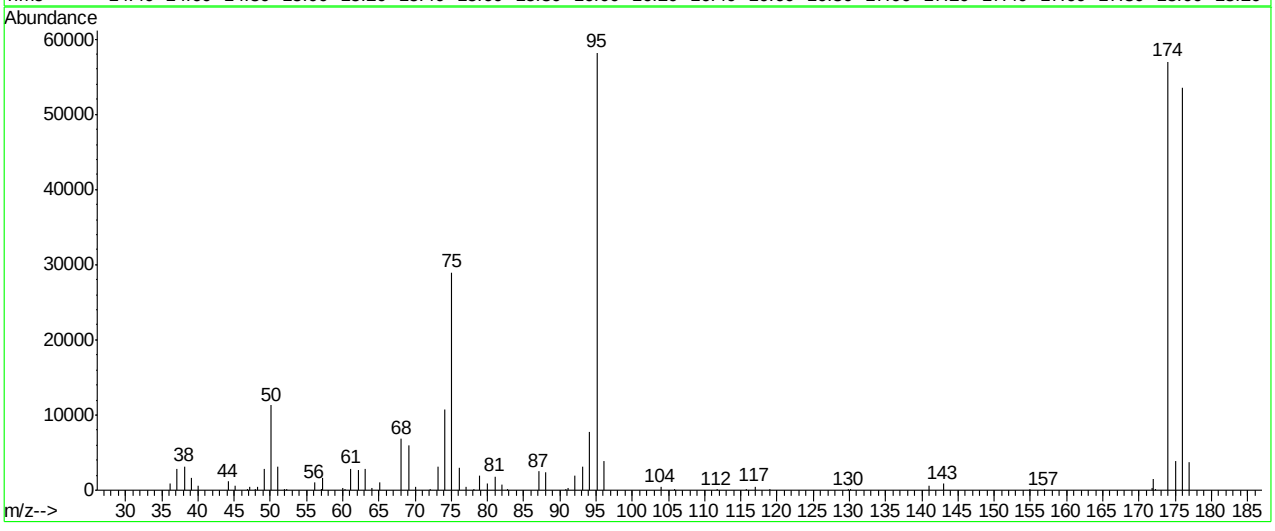
BFB

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)

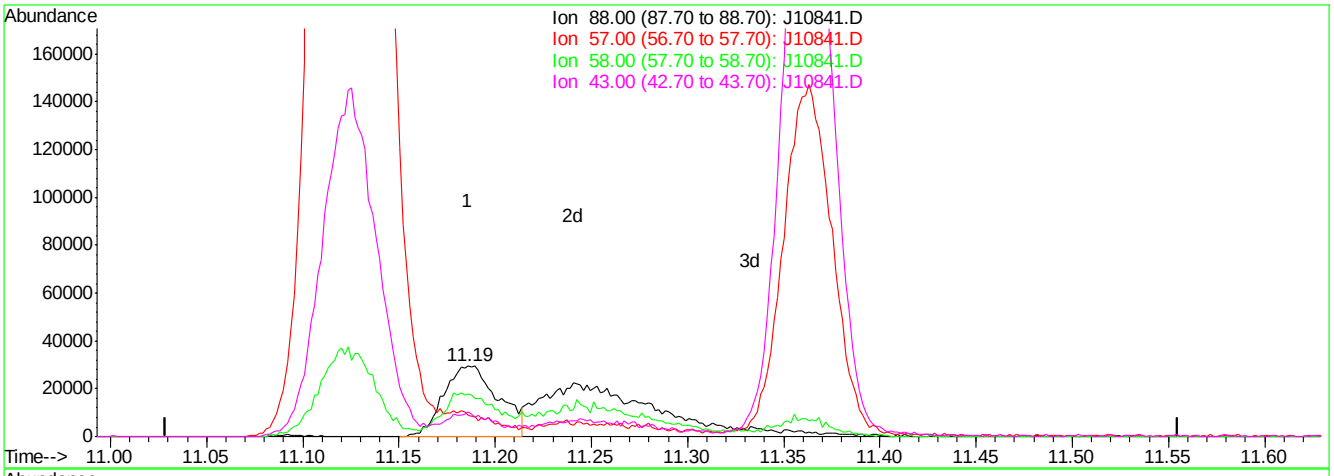
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
91.15	285	119.00	197	175.05	3920		
92.10	1937	129.90	101	176.00	53480		
93.10	3154	130.10	93	177.00	3704		
94.15	7686	140.95	610				
95.10	58224	142.95	887				
96.10	3957	154.90	108				
103.95	403	156.90	113				
105.90	184	171.80	243				
111.70	93	172.00	1560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

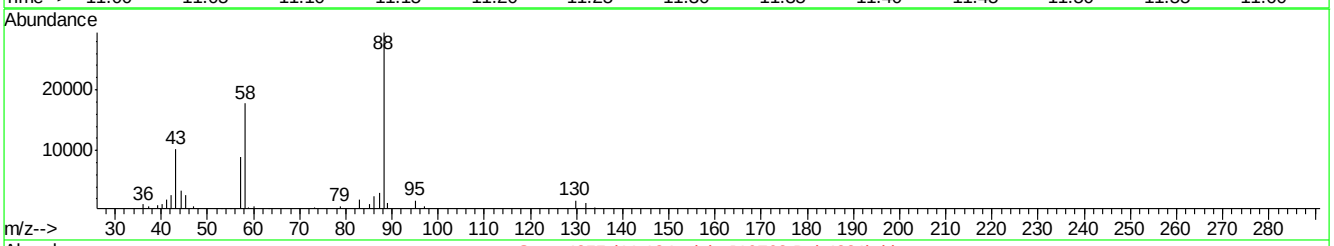
Quantitation Report (Qedit)

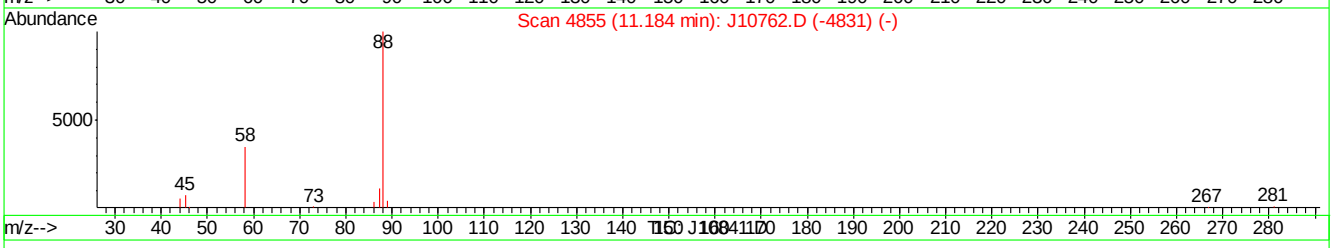
Data File : C:\MSDChem\1\data\J10841.D Vial: 1
Acq On : 3 Jul 2007 11:46 am Operator: danat
Sample : cc557-10 (M080) Inst : MSJ
Misc : MS13762, MSJ561,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

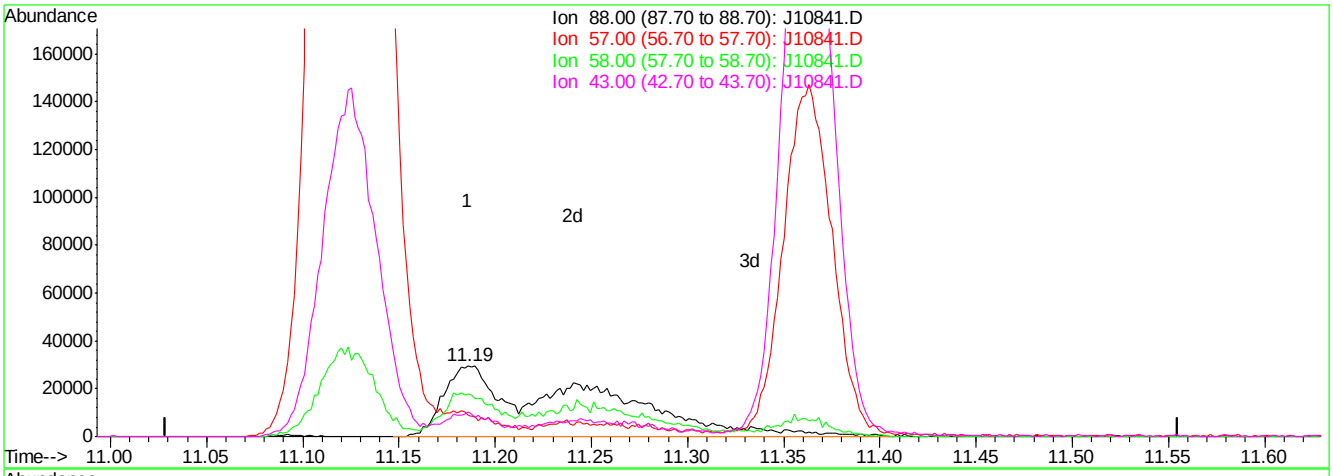
J10841.D J062507T.M Thu Jul 05 17:19:09 2007

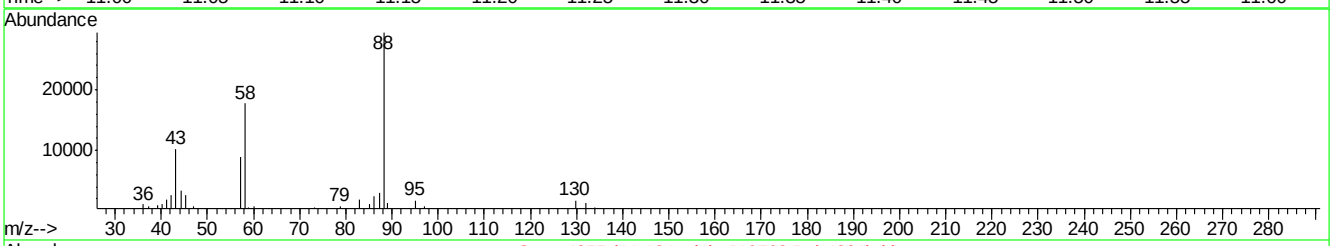
Quantitation Report (Qedit)

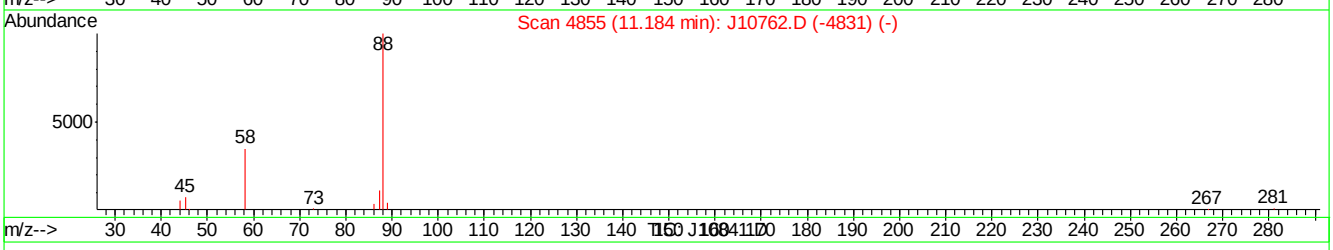
Data File : C:\MSDChem\1\data\J10841.D Vial: 1
Acq On : 3 Jul 2007 11:46 am Operator: danat
Sample : cc557-10 (M080) Inst : MSJ
Misc : MS13762, MSJ561,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

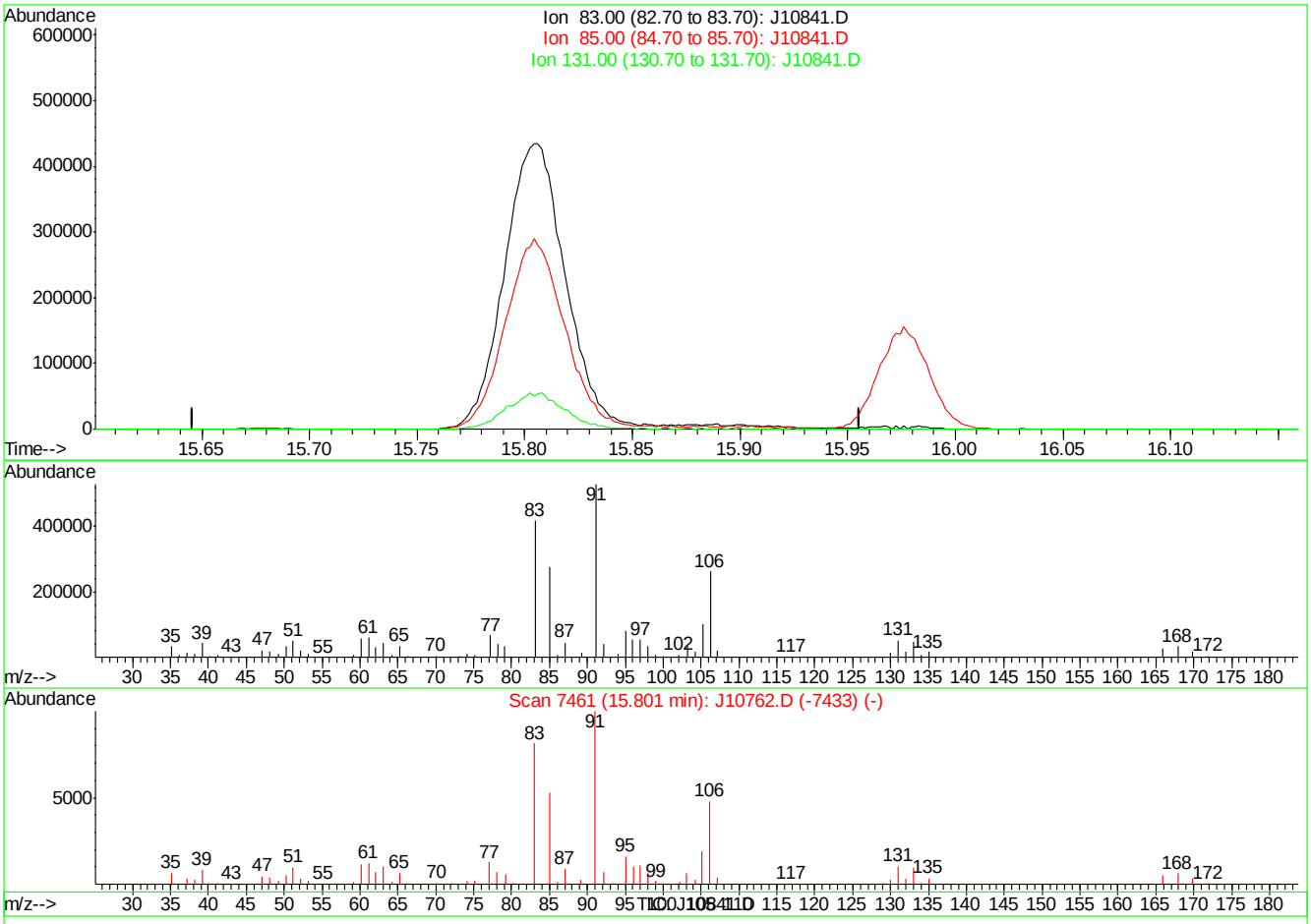
J10841.D J062507T.M Thu Jul 05 17:19:21 2007

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

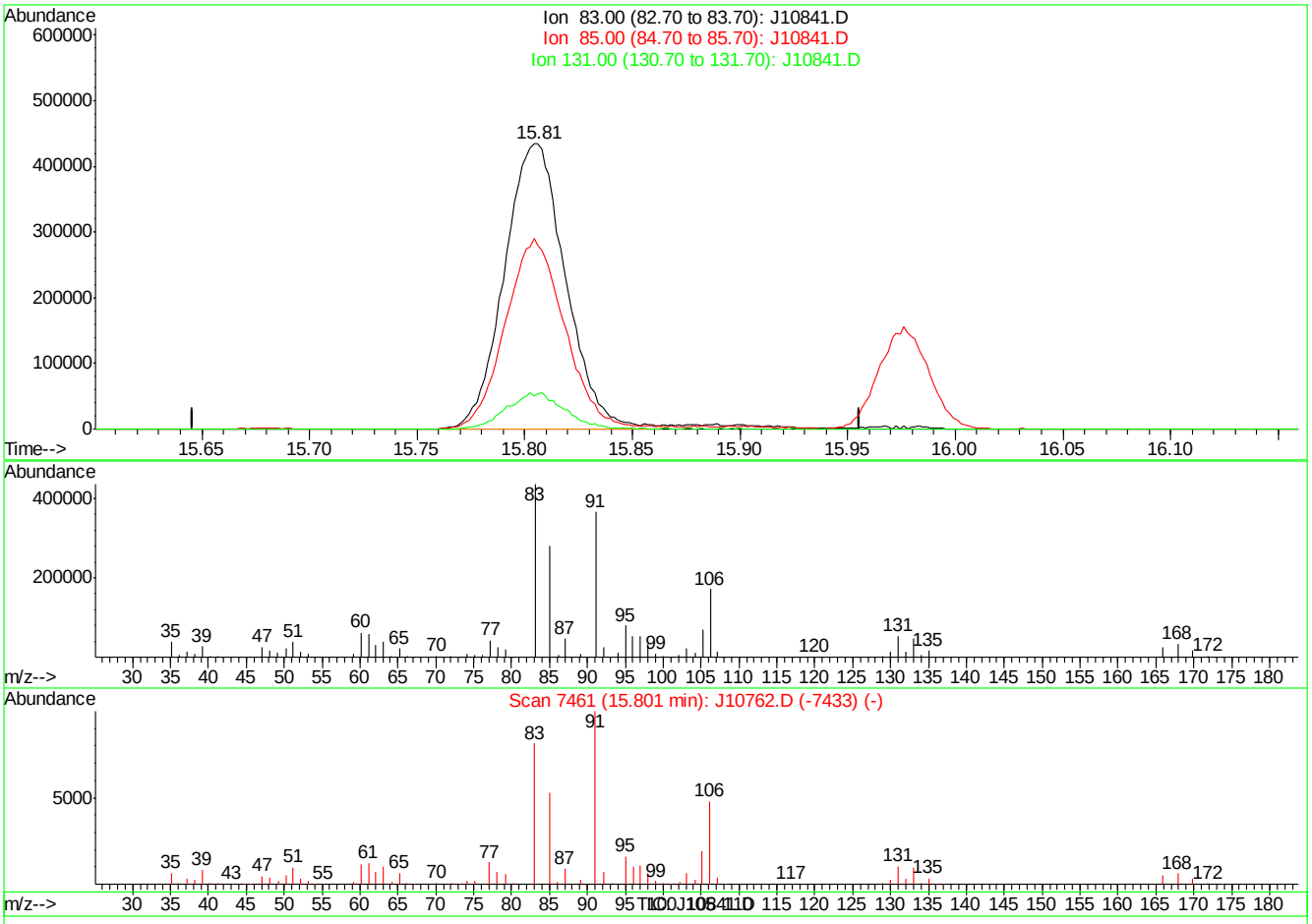
J10841.D J062507T.M Thu Jul 05 17:19:39 2007

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

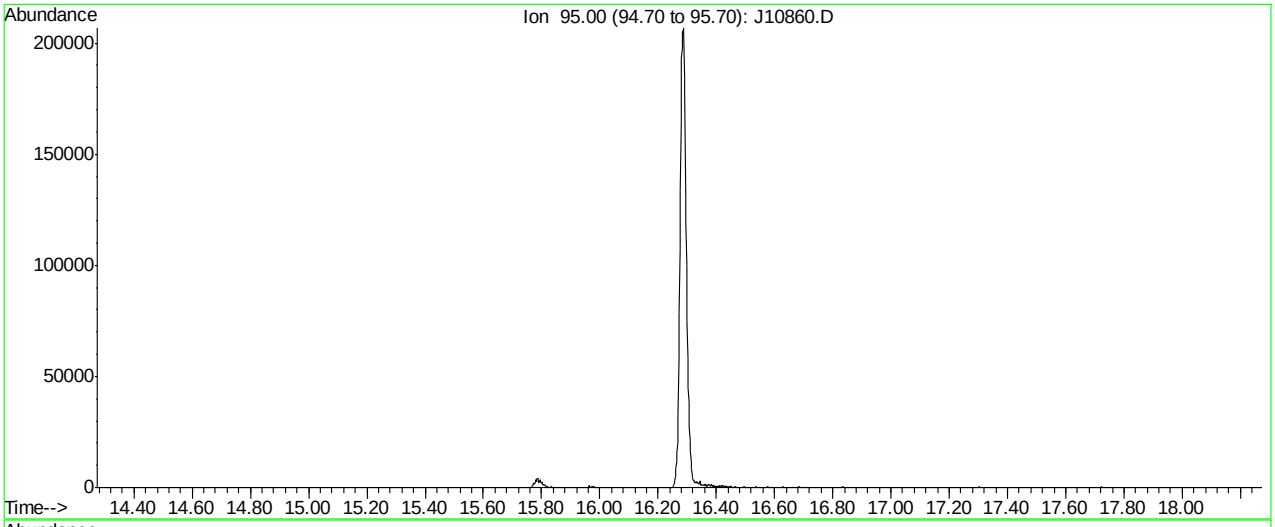
J10841.D J062507T.M Thu Jul 05 17:19:43 2007

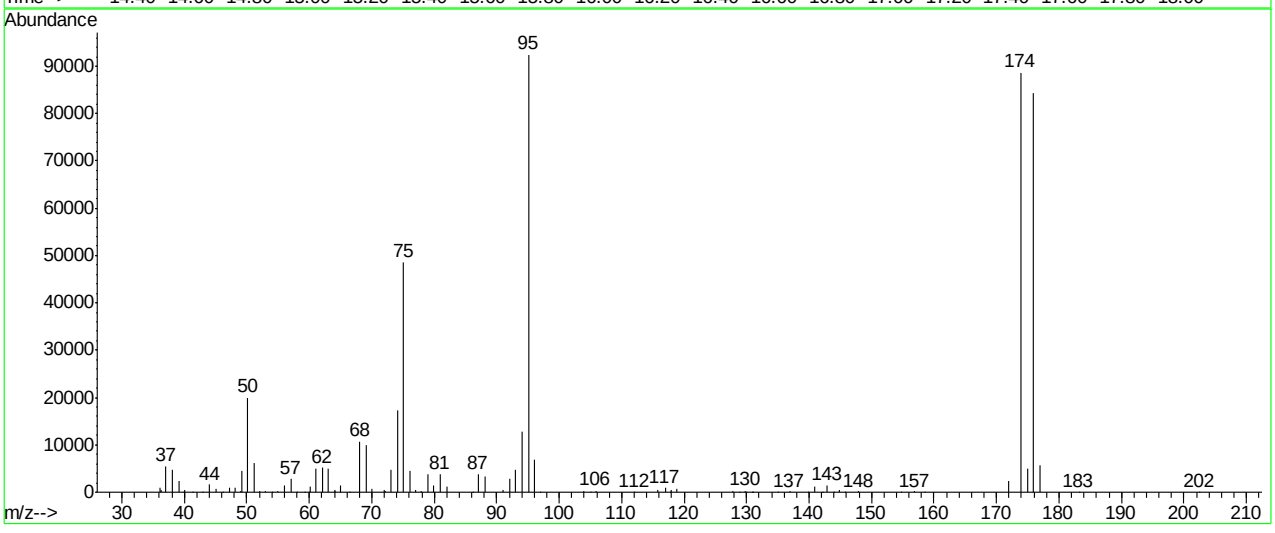
BFB

Data File : C:\MSDChem\1\data\J10860.D
Acq On : 5 Jul 2007 10:47 am
Sample : ic562-0.5 (M210)
Misc : MS13866, MSJ562,,,,,1
MS Integration Params: LSCINT.P

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

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um





Spectrum Information: Average of 16.267 to 16.281 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	21.6	19975	PASS
75	95	30	66	52.6	48614	PASS
95	95	100	100	100.0	92470	PASS
96	95	5	9	7.5	6965	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	95.9	88639	PASS
175	174	4	9	5.5	4877	PASS
176	174	93	101	95.2	84398	PASS
177	176	5	9	6.8	5762	PASS

J10860.D J070507T.M Fri Jul 06 11:16:24 2007

Average of 16.267 to 16.281 min.: J10860.D
ic562-0.5 (M210)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	948	46.15	117	56.05	1504	65.05	1477
36.20	368	47.15	923	57.05	2744	66.50	53
37.05	5479	48.10	846	58.00	66	68.10	10723
38.10	4787	49.00	136	59.20	53	69.05	9860
39.15	2418	49.15	4497	59.90	47	70.05	733
39.90	110	50.10	19975	60.15	1104	71.95	491
40.05	434	51.10	6182	61.05	4889	72.15	320
41.30	54	52.05	209	62.10	5122	73.05	4851
42.90	50	53.05	216	63.05	5052	74.10	17352
44.05	1605	54.00	53	64.00	261	75.10	48614
45.05	830	54.95	203	64.15	475	76.05	4618

Average of 16.267 to 16.281 min.: J10860.D
ic562-0.5 (M210)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
77.00	589	93.05	4774	117.70	53	139.80	57
77.95	250	94.10	12748	117.90	366	140.85	1127
78.95	3875	95.05	92470	118.90	736	142.10	53
79.95	1448	96.05	6965	127.85	316	142.95	1513
80.95	3812	97.00	71	128.80	50	144.00	44
81.95	1227	103.95	277	129.80	342	144.90	529
86.20	92	104.95	91	130.00	58	145.80	74
87.00	3901	105.90	345	130.80	62	147.90	138
88.05	3396	112.05	126	131.00	53	154.80	103
90.95	372	115.85	390	134.90	54	156.95	162
92.05	2789	116.95	877	136.90	139	158.50	49

Average of 16.267 to 16.281 min.: J10860.D
ic562-0.5 (M210)

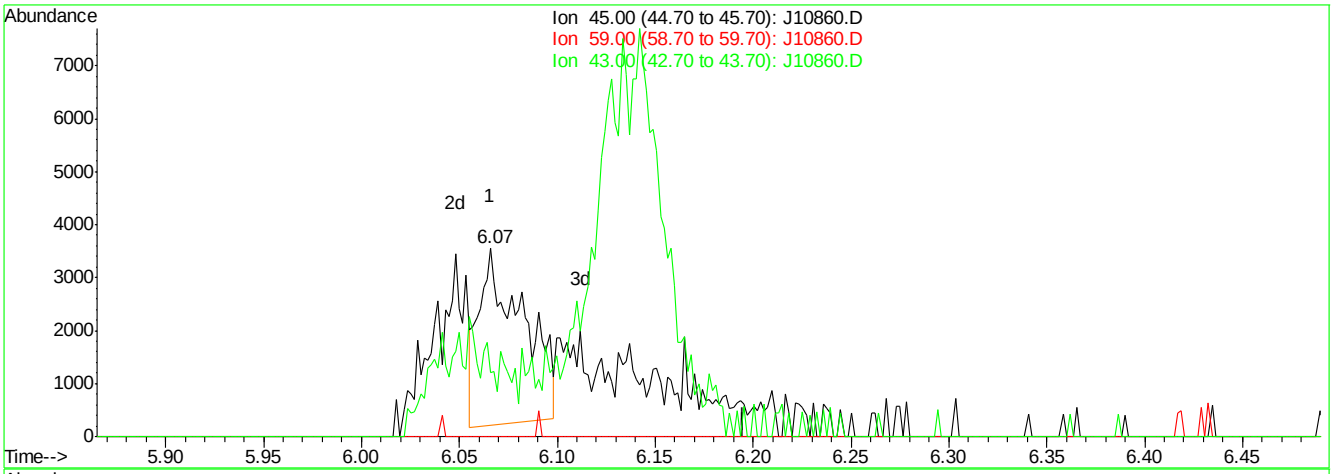
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
171.95	2479						
173.90	88639						
175.00	4877						
175.90	84398						
176.95	5762						
183.20	45						
202.50	46						

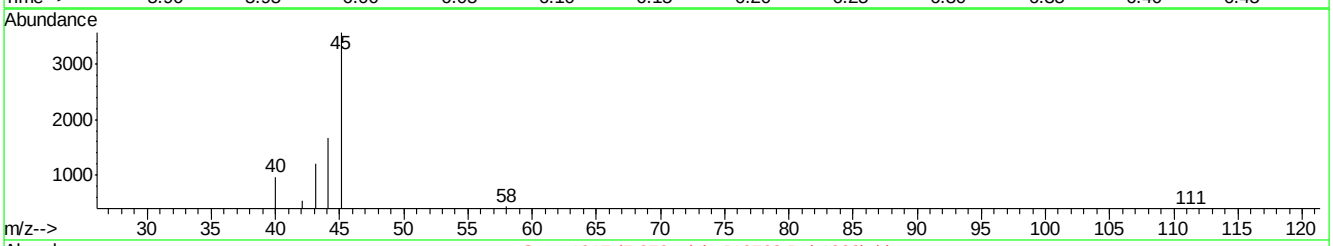
Quantitation Report (Qedit)

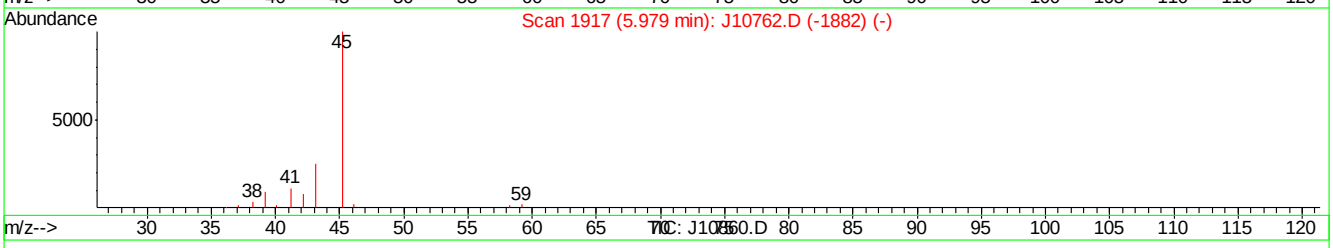
Data File : C:\MSDChem\1\data\J10860.D Vial: 1
Acq On : 5 Jul 2007 10:47 am Operator: danat
Sample : ic562-0.5 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 11:24:40 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration







(11) ISOPROPYL ALCOHOL (m)

6.07min 0.15PPBV

response 5209

Ion	Exp%	Act%
45.00	100	100
59.00	2.20	0.00
43.00	25.50	34.10
0.00	0.00	0.00

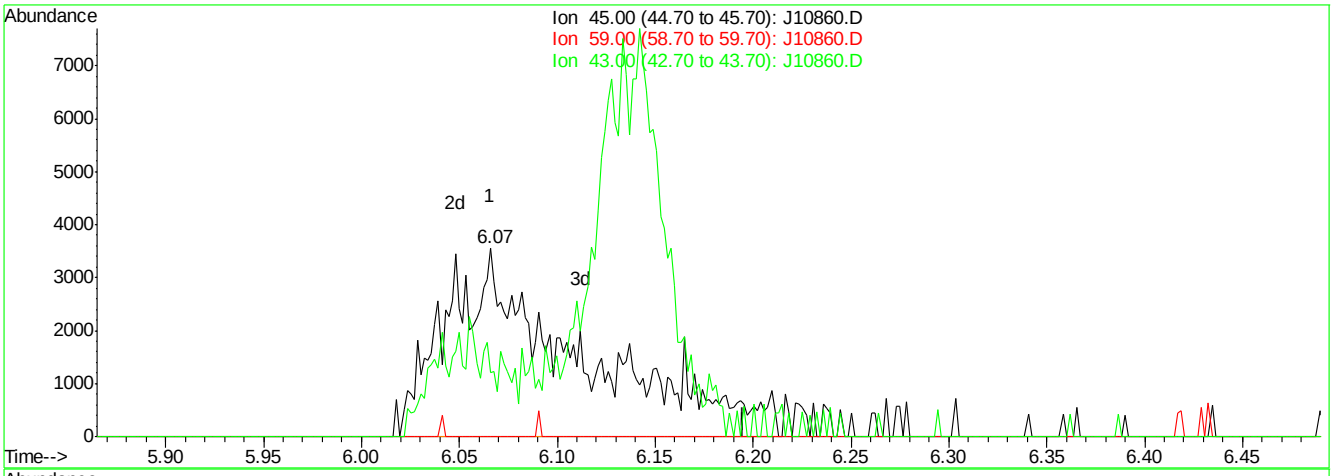
J10860.D J070507T.M Thu Jul 05 11:26:38 2007

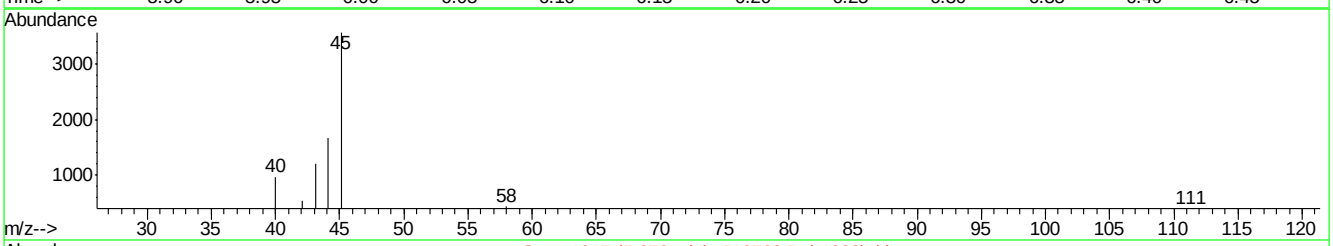
Quantitation Report (Qedit)

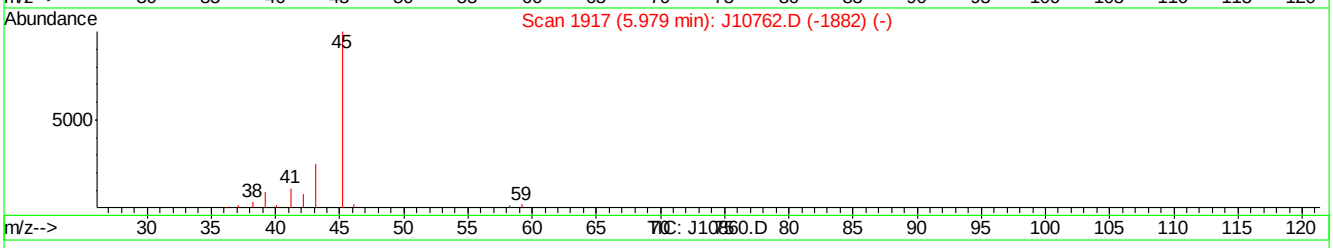
Data File : C:\MSDChem\1\data\J10860.D Vial: 1
Acq On : 5 Jul 2007 10:47 am Operator: danat
Sample : ic562-0.5 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 11:24:40 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration







(11) ISOPROPYL ALCOHOL (m)

6.07min 0.47PPBV m

response 16583

Ion	Exp%	Act%
45.00	100	100
59.00	2.20	0.00
43.00	25.50	34.10
0.00	0.00	0.00

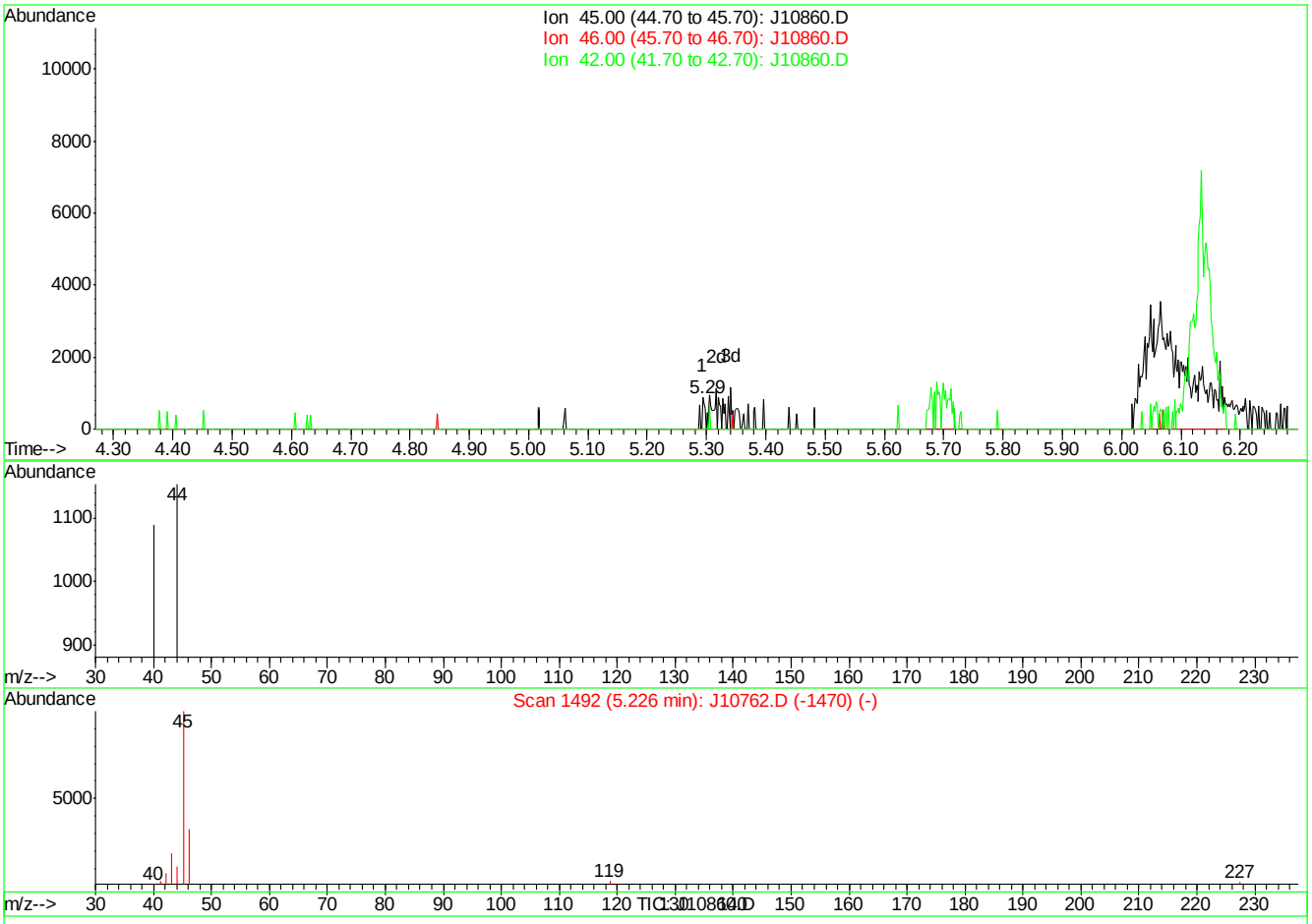
J10860.D J070507T.M Thu Jul 05 11:26:48 2007

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10860.D Vial: 1
Acq On : 5 Jul 2007 10:47 am Operator: danat
Sample : ic562-0.5 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 11:24:40 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration



(16) ETHANOL (m)

5.29min 0.05PPBV

response 306

Ion	Exp%	Act%
45.00	100	100
46.00	34.30	0.00#
42.00	3.50	0.00
0.00	0.00	0.00

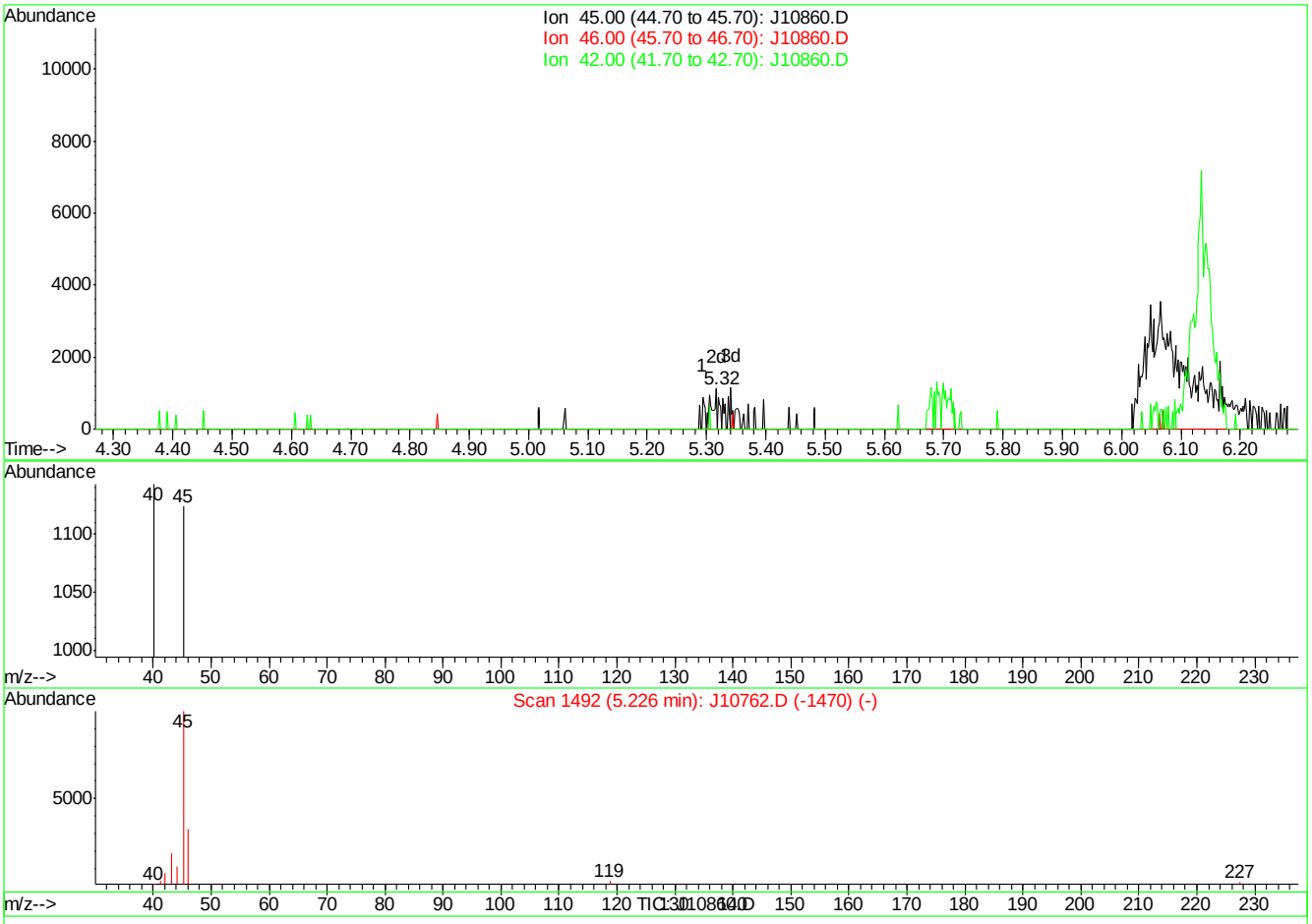
J10860.D J070507T.M Thu Jul 05 11:26:56 2007

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10860.D Vial: 1
Acq On : 5 Jul 2007 10:47 am Operator: danat
Sample : ic562-0.5 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 11:24:40 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration



(16) ETHANOL (m)

5.32min 0.14PPBV m

response 847

Ion	Exp%	Act%
45.00	100	100
46.00	34.30	0.00#
42.00	3.50	0.00
0.00	0.00	0.00

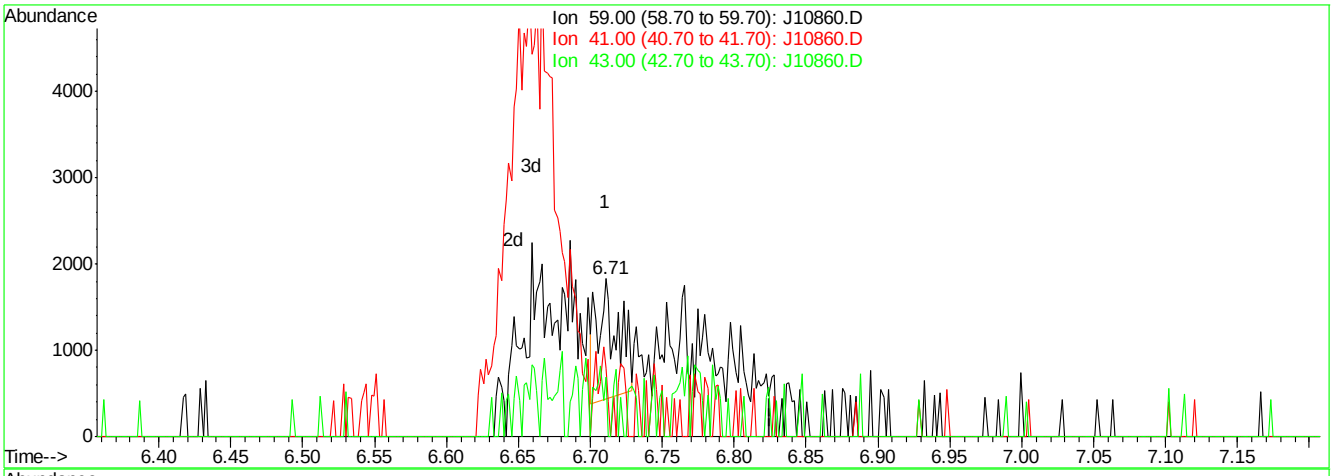
J10860.D J070507T.M Thu Jul 05 11:27:18 2007

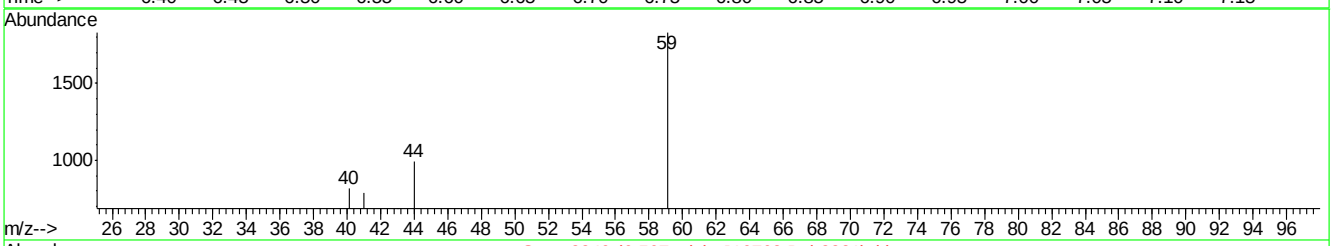
Quantitation Report (Qedit)

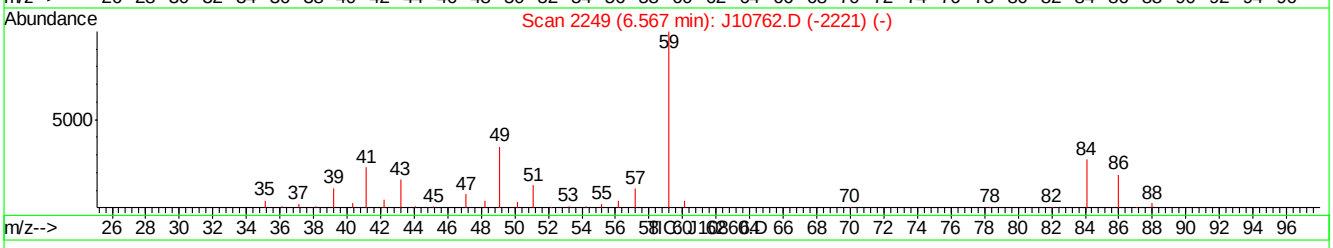
Data File : C:\MSDChem\1\data\J10860.D Vial: 1
Acq On : 5 Jul 2007 10:47 am Operator: danat
Sample : ic562-0.5 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 11:24:40 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration







(22) TERTIARY BUTYL ALCOHOL (m)

6.71min 0.03PPBV

response 1343

Ion	Exp%	Act%
59.00	100	100
41.00	22.00	37.97
43.00	17.20	28.82
0.00	0.00	0.00

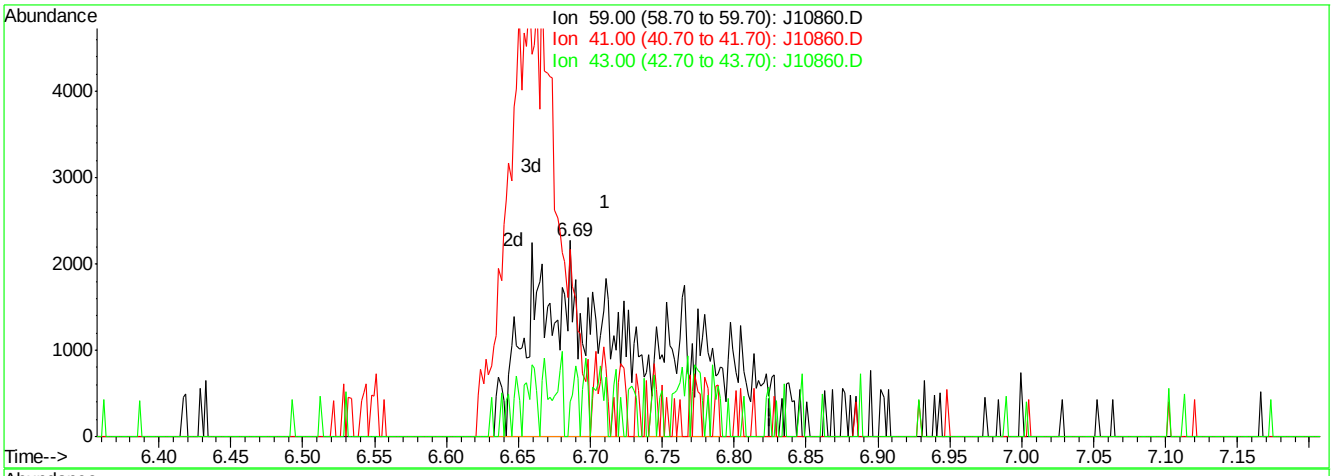
J10860.D J070507T.M Thu Jul 05 11:27:29 2007

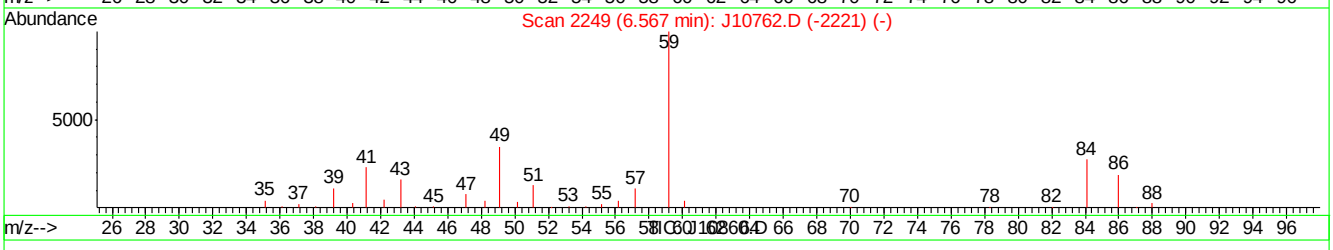
Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10860.D Vial: 1
Acq On : 5 Jul 2007 10:47 am Operator: danat
Sample : ic562-0.5 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 11:24:40 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration





(22) TERTIARY BUTYL ALCOHOL (m)

6.69min 0.32PPBV m

response 12447

Ion	Exp%	Act%
59.00	100	100
41.00	22.00	4.10
43.00	17.20	3.11
0.00	0.00	0.00

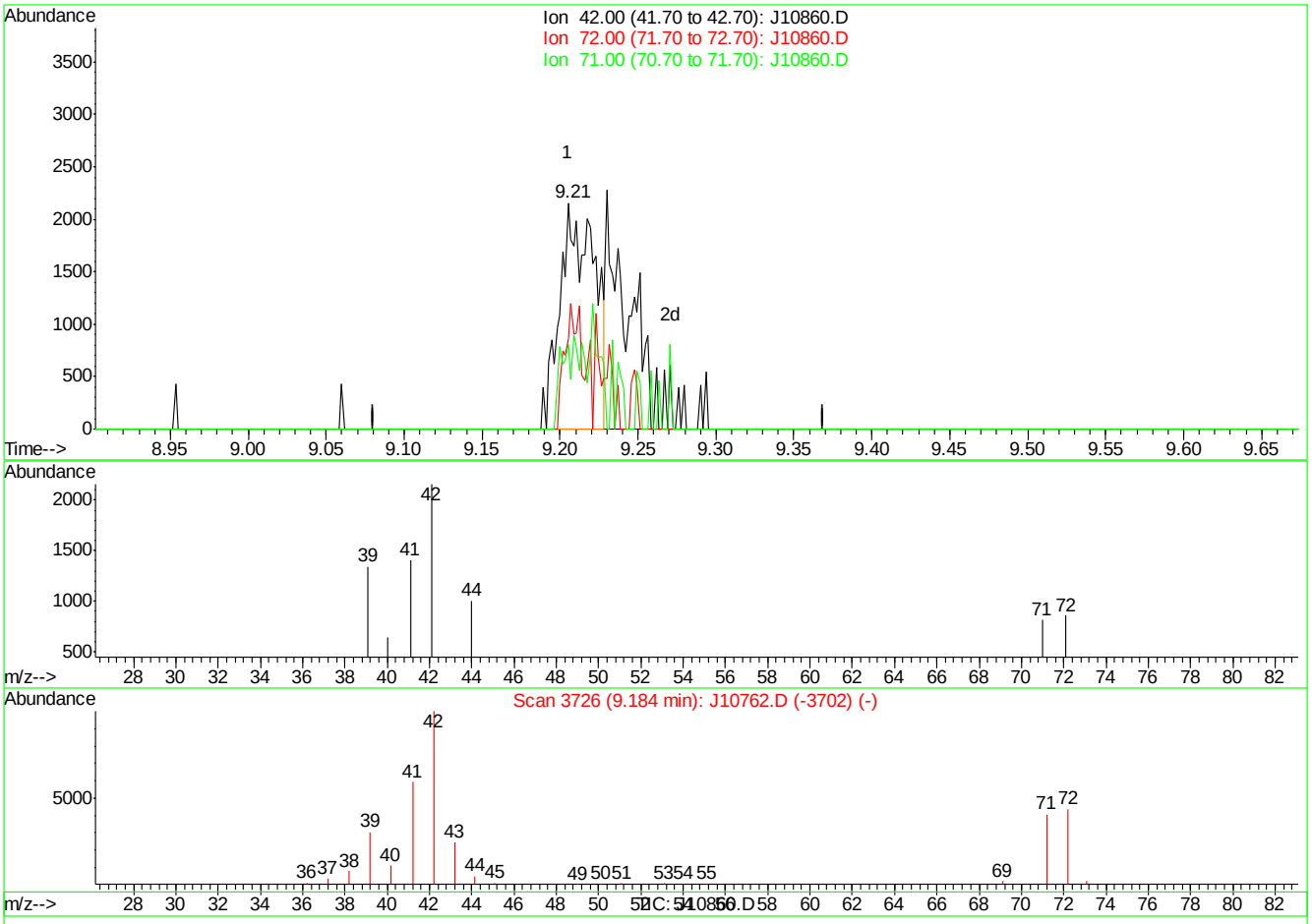
J10860.D J070507T.M Thu Jul 05 11:27:45 2007

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10860.D Vial: 1
Acq On : 5 Jul 2007 10:47 am Operator: danat
Sample : ic562-0.5 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 11:24:40 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration



(24) TETRAHYDROFURAN (m)

9.21min 0.19PPBV

response 3316

Ion	Exp%	Act%
42.00	100	100
72.00	46.60	29.98
71.00	46.70	12.03#
0.00	0.00	0.00

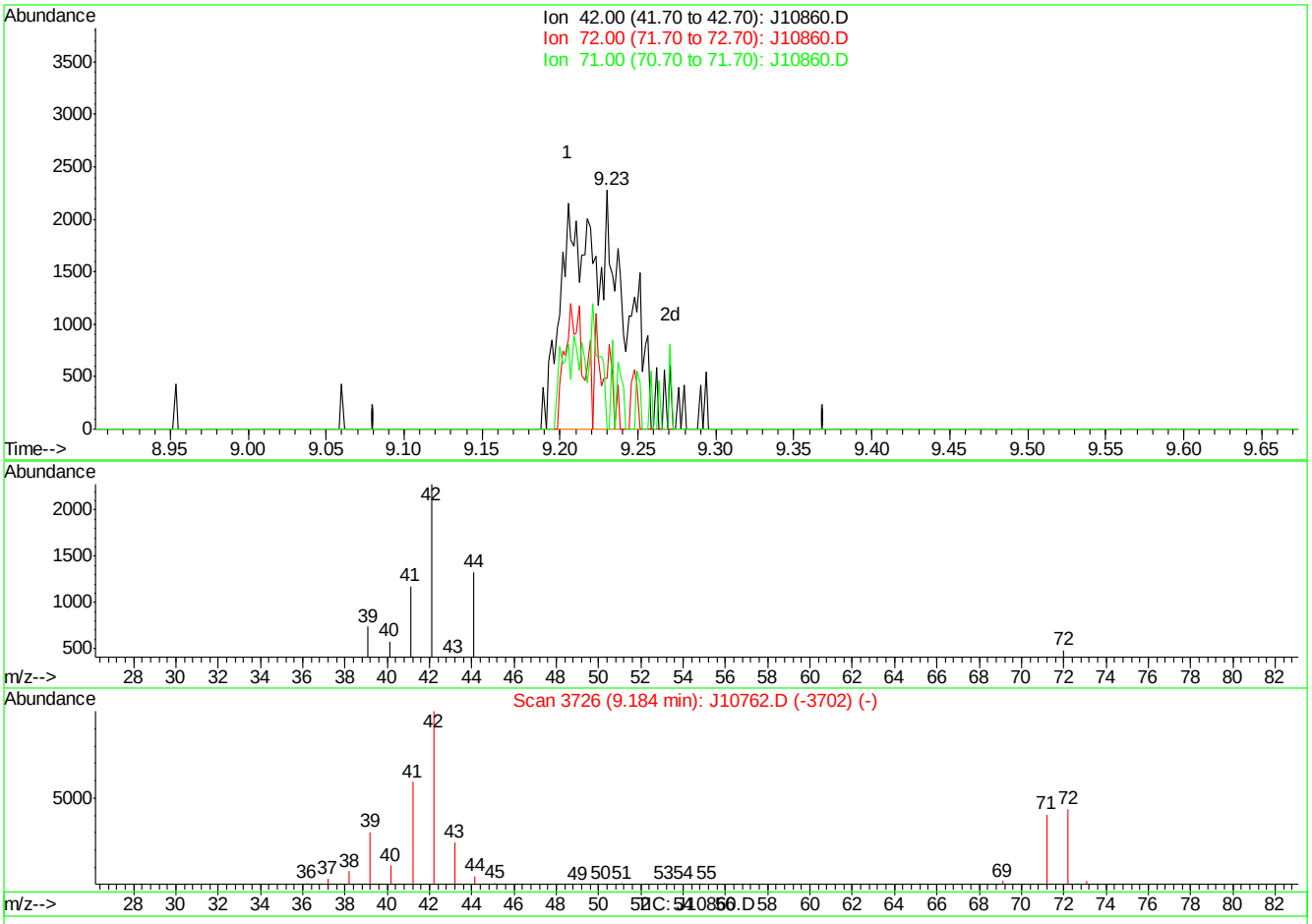
J10860.D J070507T.M Thu Jul 05 11:27:51 2007

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10860.D Vial: 1
Acq On : 5 Jul 2007 10:47 am Operator: danat
Sample : ic562-0.5 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 11:24:40 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration



(24) TETRAHYDROFURAN (m)

9.23min 0.30PPBV m

response 5371

Ion	Exp%	Act%
42.00	100	100
72.00	46.60	18.51#
71.00	46.70	7.43#
0.00	0.00	0.00

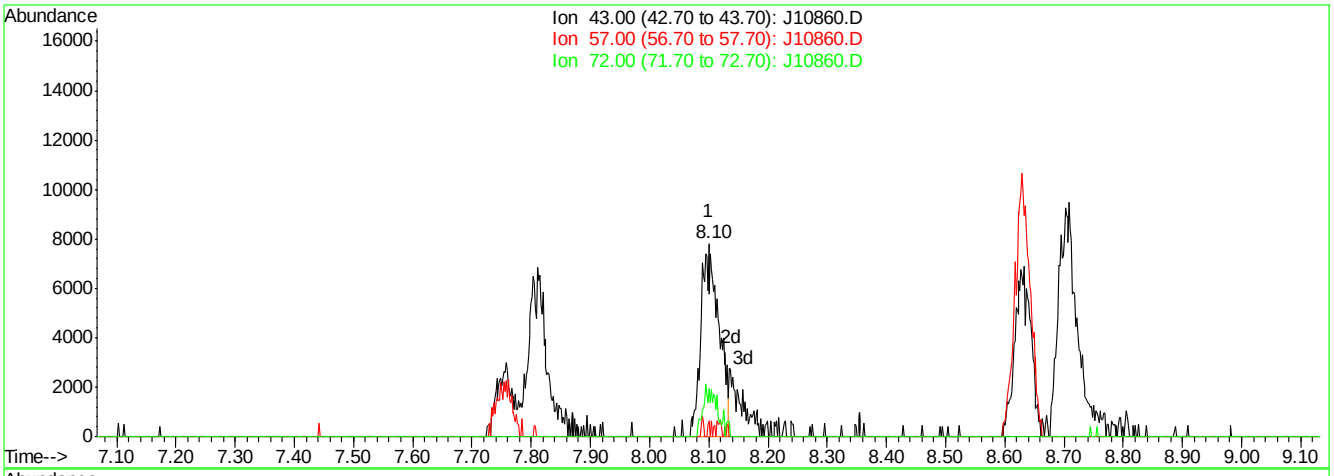
J10860.D J070507T.M Thu Jul 05 11:28:01 2007

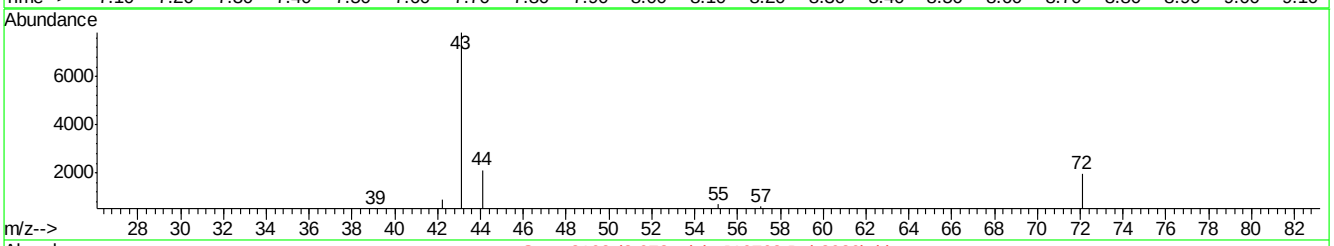
Quantitation Report (Qedit)

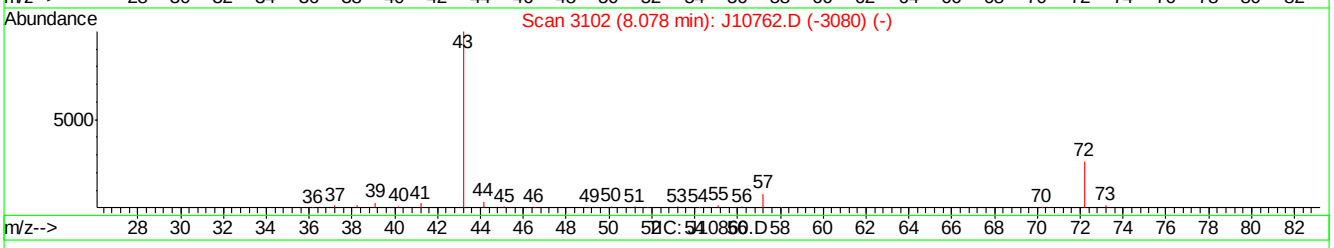
Data File : C:\MSDChem\1\data\J10860.D Vial: 1
Acq On : 5 Jul 2007 10:47 am Operator: danat
Sample : ic562-0.5 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 11:24:40 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration







(28) METHYL ETHYL KETONE (m)

8.10min 0.44PPBV

response 16344

Ion	Exp%	Act%
43.00	100	100
57.00	8.00	7.71
72.00	26.40	24.93
0.00	0.00	0.00

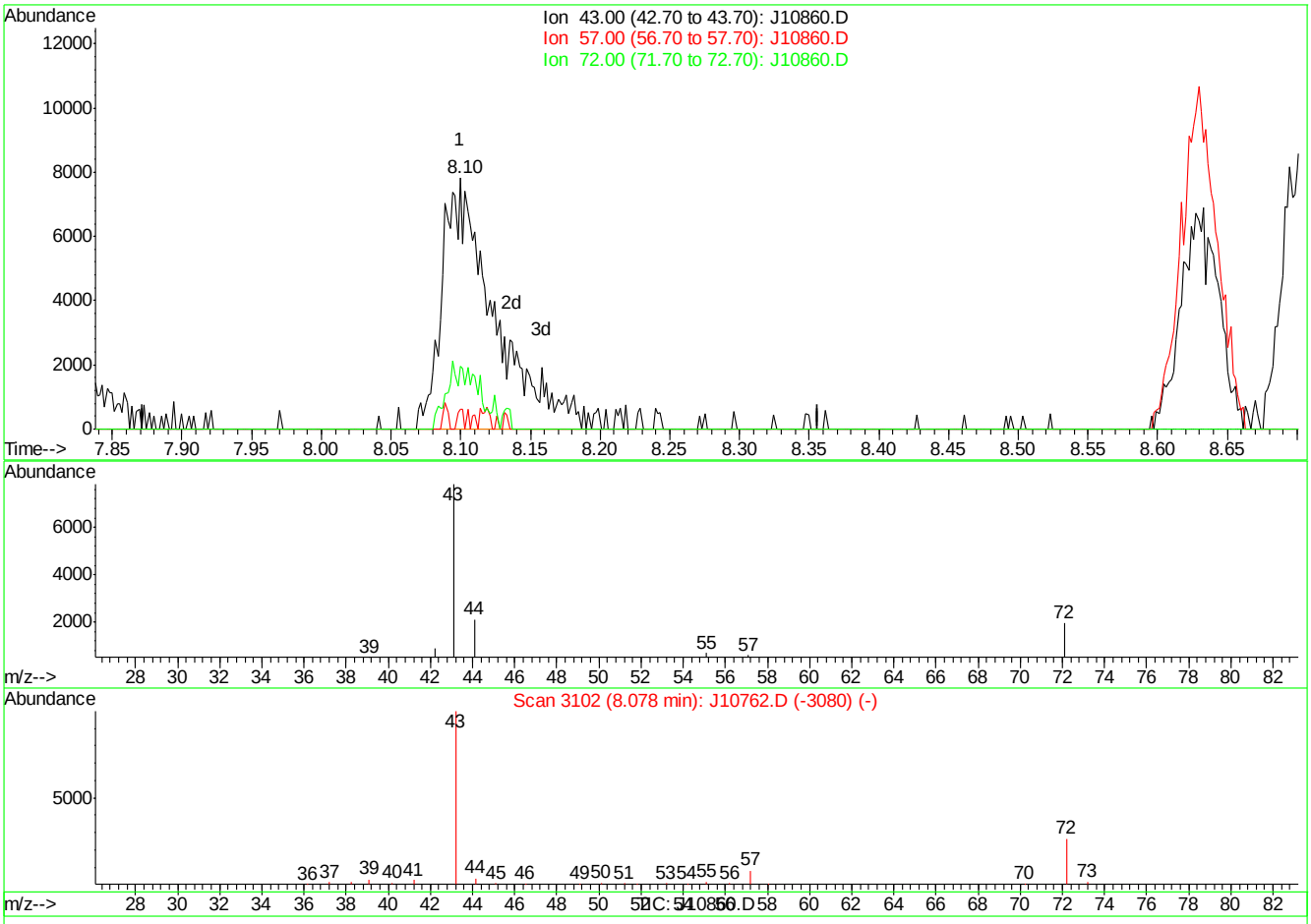
J10860.D J070507T.M Thu Jul 05 11:28:12 2007

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10860.D Vial: 1
Acq On : 5 Jul 2007 10:47 am Operator: danat
Sample : ic562-0.5 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 11:24:40 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration



(28) METHYL ETHYL KETONE (m)

8.10min 0.54PPBV m

response 20284

Ion	Exp%	Act%
43.00	100	100
57.00	8.00	7.71
72.00	26.40	24.93
0.00	0.00	0.00

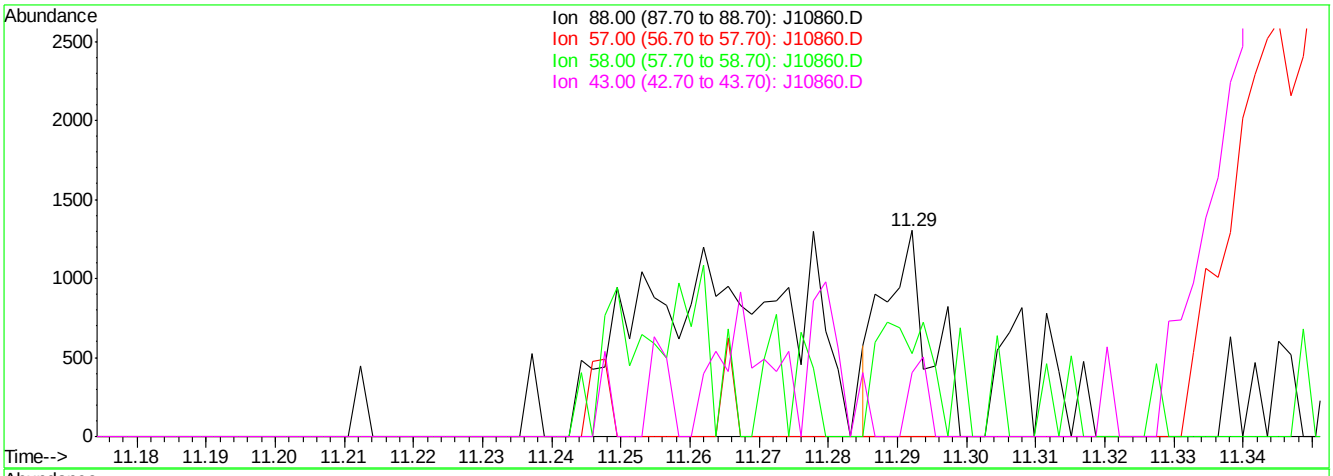
J10860.D J070507T.M Thu Jul 05 11:28:19 2007

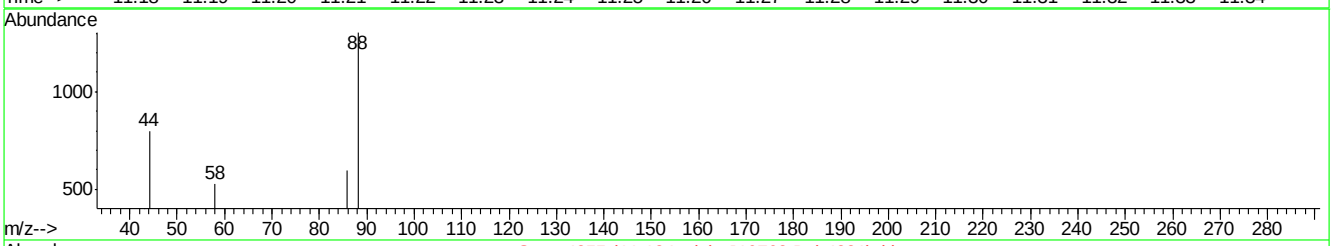
Quantitation Report (Qedit)

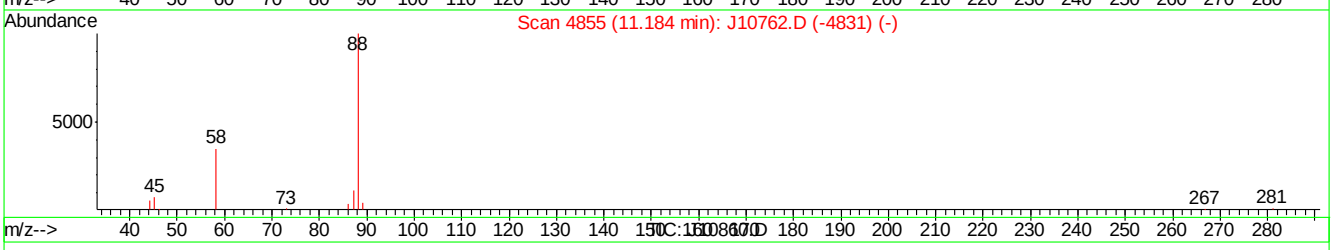
Data File : C:\MSDChem\1\data\J10860.D Vial: 1
Acq On : 5 Jul 2007 10:47 am Operator: danat
Sample : ic562-0.5 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 11:24:40 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration







(42) 1,4-DIOXANE (m)

11.29min 0.05PPBV

response 606

Ion	Exp%	Act%
88.00	100	100
57.00	19.90	0.00
58.00	51.60	40.34
43.00	30.20	30.75

J10860.D J070507T.M Thu Jul 05 11:28:38 2007

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10860.D Vial: 1
Acq On : 5 Jul 2007 10:47 am Operator: danat
Sample : ic562-0.5 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 11:24:40 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration

(42) 1,4-DIOXANE (m)

11.28min 0.16PPBV m

response 1834

Ion	Exp%	Act%
88.00	100	100
57.00	19.90	0.00
58.00	51.60	33.05
43.00	30.20	65.80#

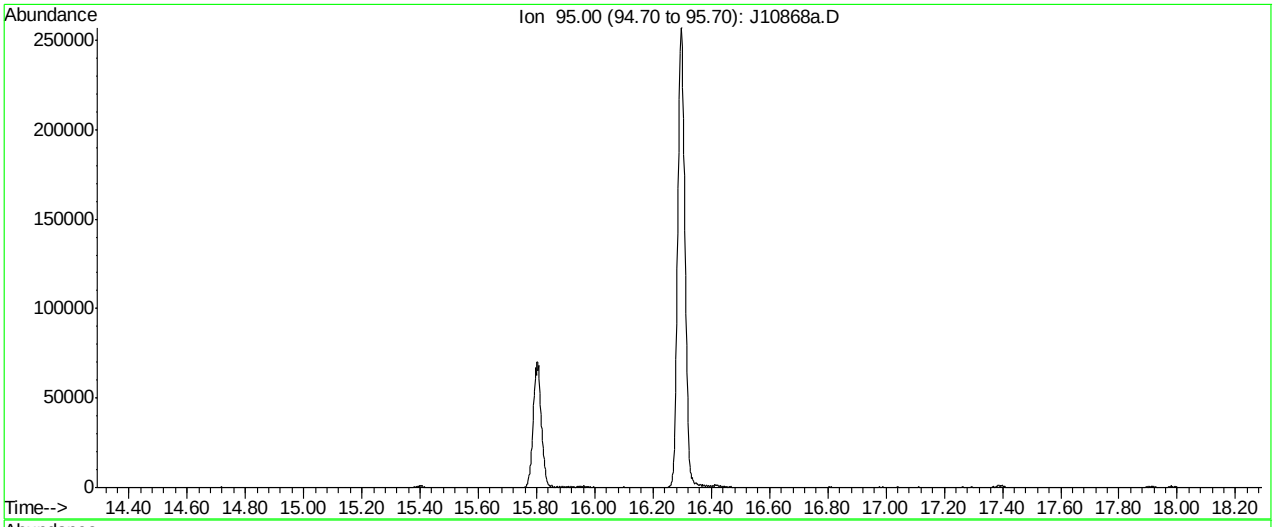
J10860.D J070507T.M Thu Jul 05 11:28:45 2007

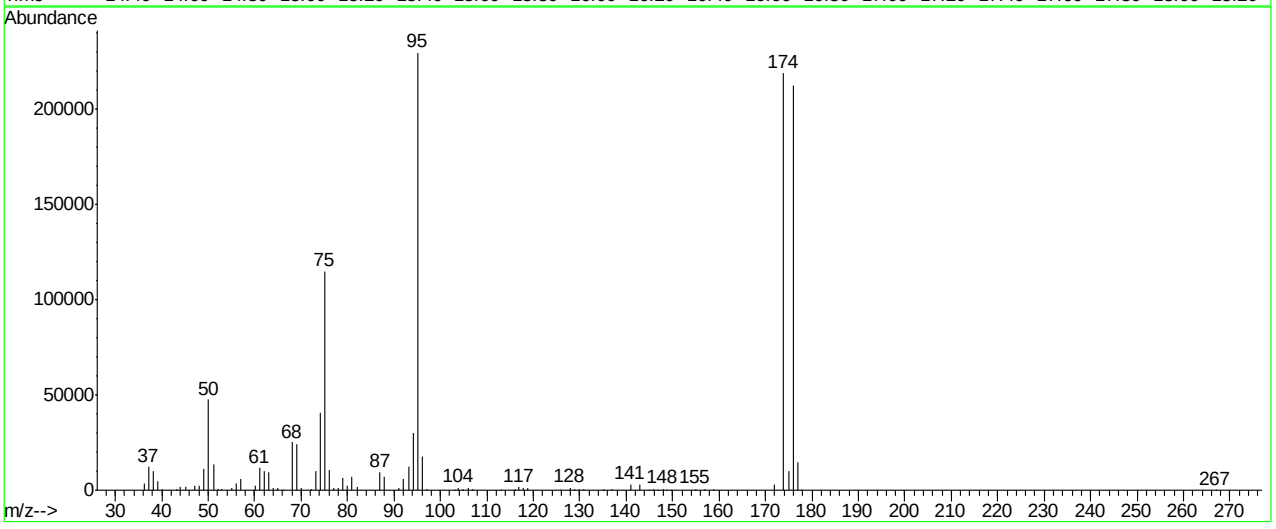
BFB

Data File : C:\MSDCHEM\1\DATA\J10868a.D
Acq On : 5 Jul 2007 5:56 pm
Sample : cc562-10 (M080)
Misc : MS13866, MSJ562,,,,,1
MS Integration Params: LSCINT.P

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

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um





Spectrum Information: Average of 16.290 to 16.292 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	20.7	47380	PASS
75	95	30	66	50.0	114612	PASS
95	95	100	100	100.0	229440	PASS
96	95	5	9	7.7	17680	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	95.3	218688	PASS
175	174	4	9	4.6	10052	PASS
176	174	93	101	97.0	212064	PASS
177	176	5	9	6.9	14698	PASS

J10868a.D J070507T.M Fri Jul 06 11:26:31 2007

Average of 16.290 to 16.292 min.: J10868a.D
cc562-10 (M080)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.15	3412	50.10	47380	64.10	1260	77.00	1335
37.10	12154	51.10	13643	65.05	1321	78.10	1201
38.10	9970	52.10	799	66.10	239	79.00	6707
39.10	4941	53.00	331	68.10	25036	80.00	2589
40.00	472	55.10	1054	69.10	24384	80.95	7251
43.20	337	56.10	3487	70.05	1293	82.00	1822
44.00	1650	57.05	5956	72.10	687	87.00	9525
45.15	1794	60.10	2355	73.10	10139	88.00	6804
47.10	2337	61.10	11658	74.10	40736	91.00	1284
48.10	2127	62.10	10203	75.10	114612	92.05	6187
49.10	10942	63.10	9563	76.10	10554	93.10	12261

Average of 16.290 to 16.292 min.: J10868a.D
cc562-10 (M080)

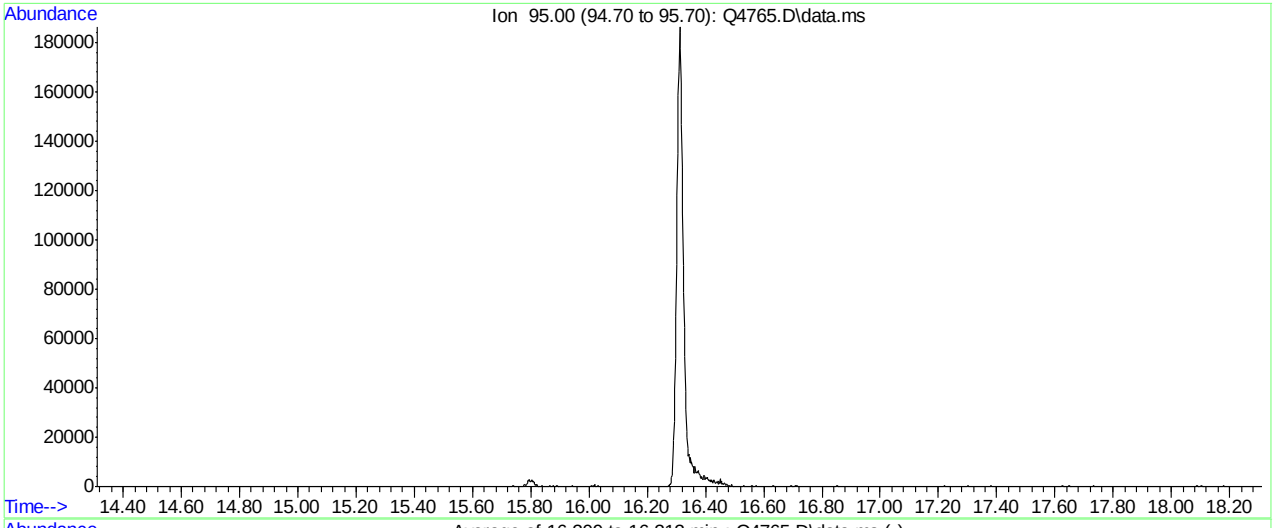
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
94.15	30008	116.05	885	136.85	497	156.95	541
95.10	229440	116.95	1589	140.90	3098	158.85	689
96.10	17680	117.90	1222	142.90	2899	171.90	2894
97.10	647	118.90	1290	144.90	309	173.90	218688
103.00	232	125.90	212	145.80	383	175.00	10052
103.90	1206	127.90	1322	146.90	286	175.90	212064
104.70	279	128.90	337	147.90	730	176.90	14698
104.90	298	129.85	840	148.80	255	177.70	204
105.95	1122	130.80	323	149.80	228	266.90	223
107.00	339	134.90	216	154.10	200		
113.10	223	135.20	305	154.90	748		

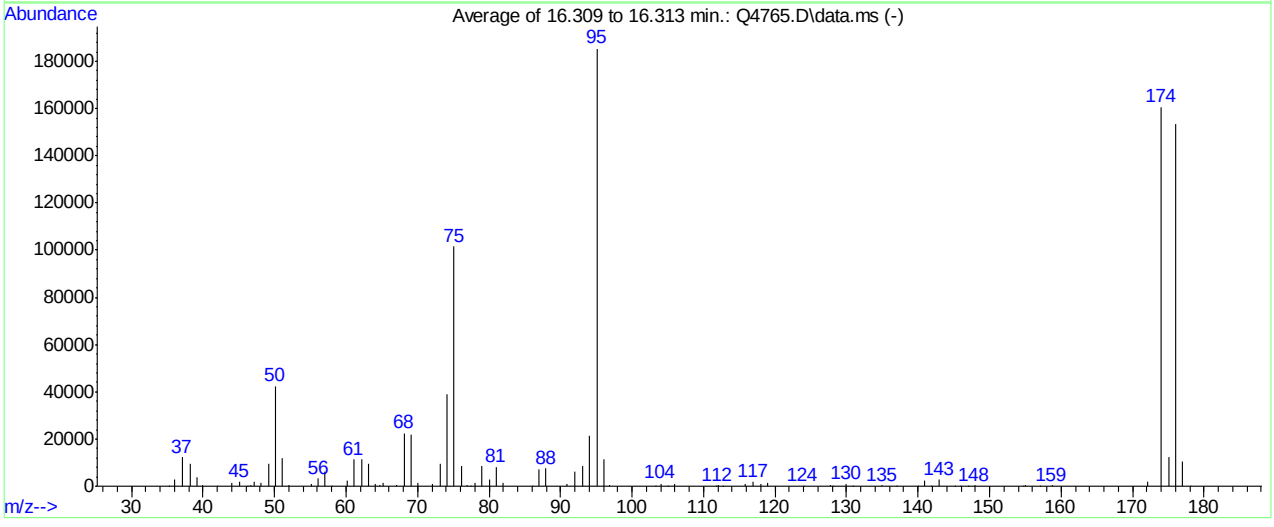
BFB

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

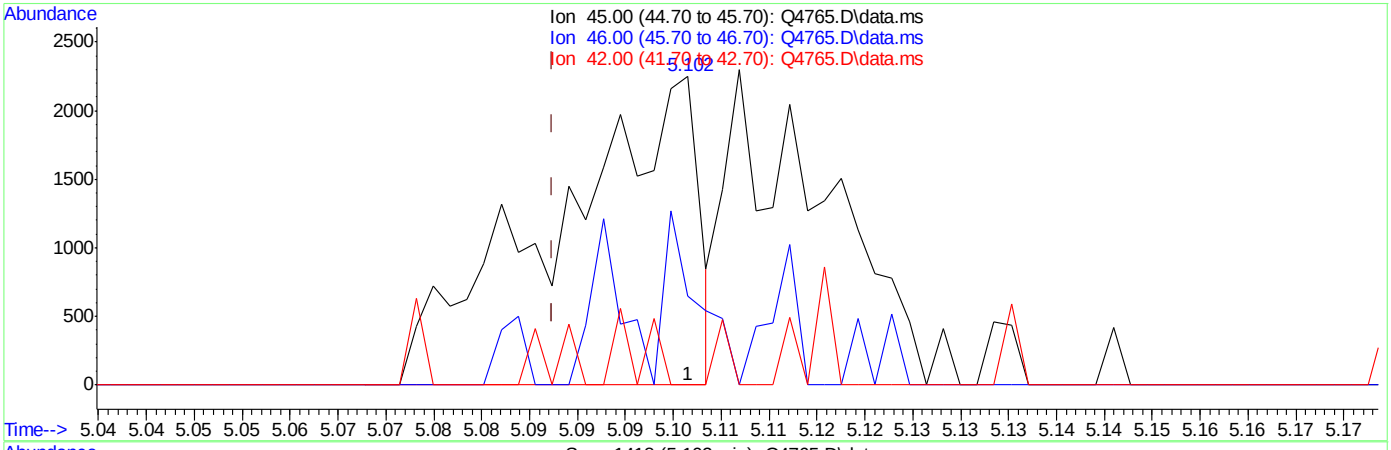
Average of 16.309 to 16.313 min.: Q4765.D\data.ms
ic246-0.5 (M051)
Modified:subtracted

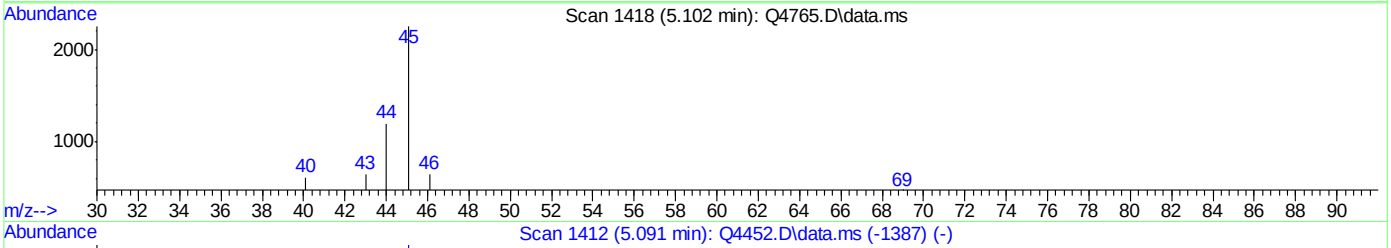
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
177.00	10287						
178.10	152						

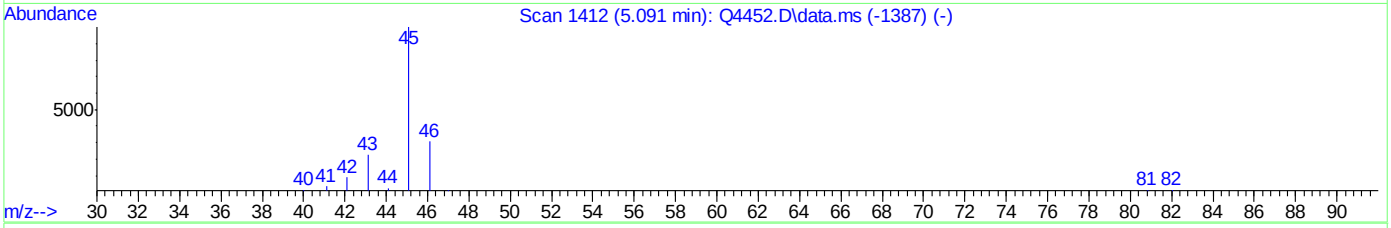
Quantitation Report (Qedit)

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

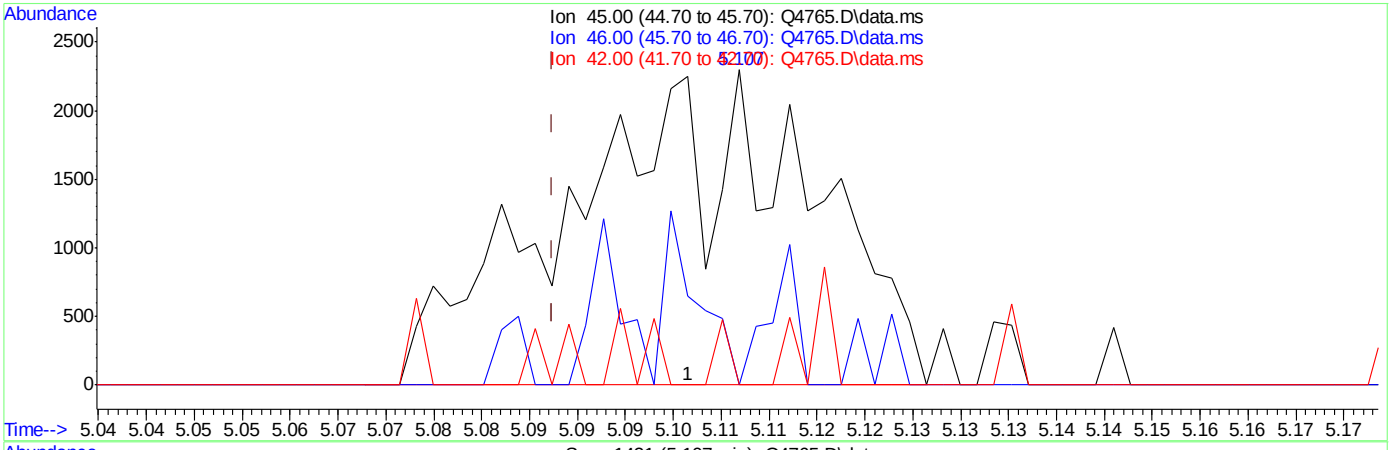
Ion	Exp%	Act%
45.00	100	100
46.00	32.80	38.07
42.00	13.10	6.49
0.00	0.00	0.00

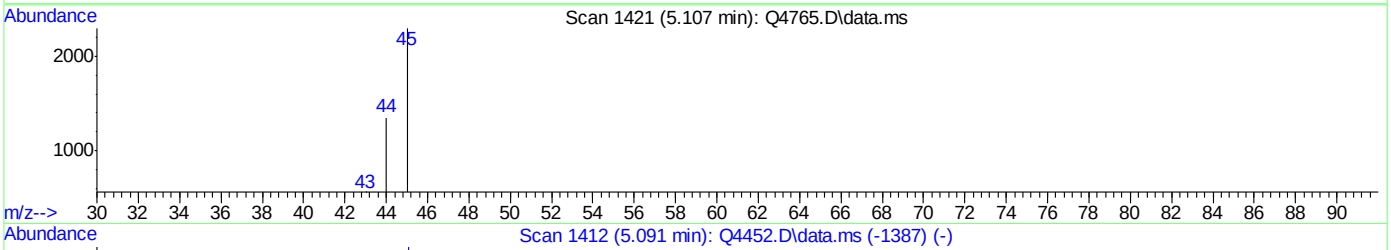
ACCUTEST Laboratories M67847

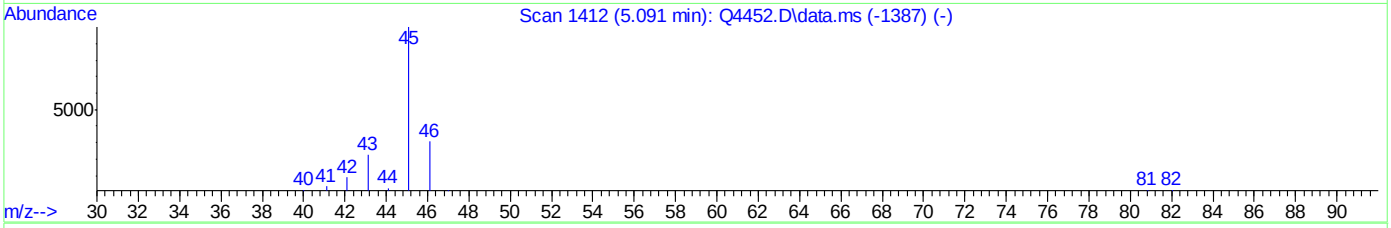
Quantitation Report (Qedit)

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

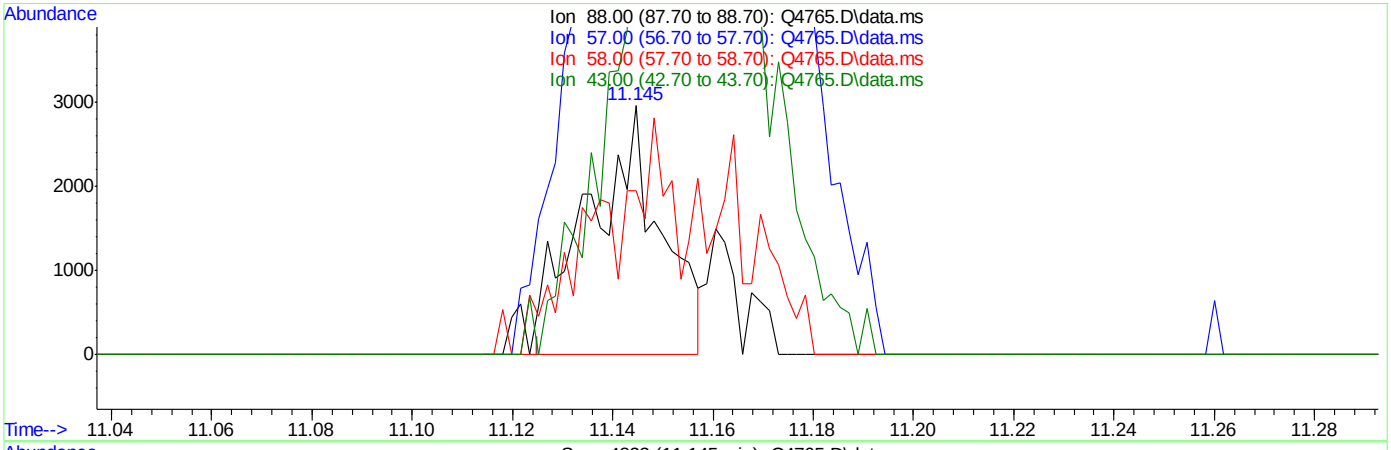
response 3990

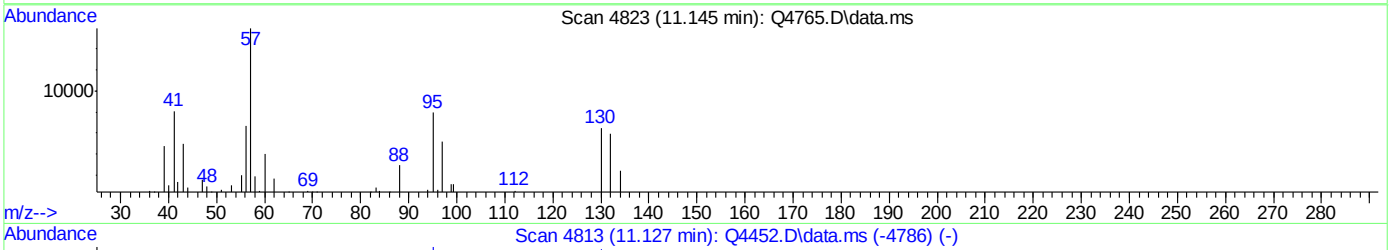
Ion	Exp%	Act%
45.00	100	100
46.00	32.80	22.21
42.00	13.10	3.78
0.00	0.00	0.00

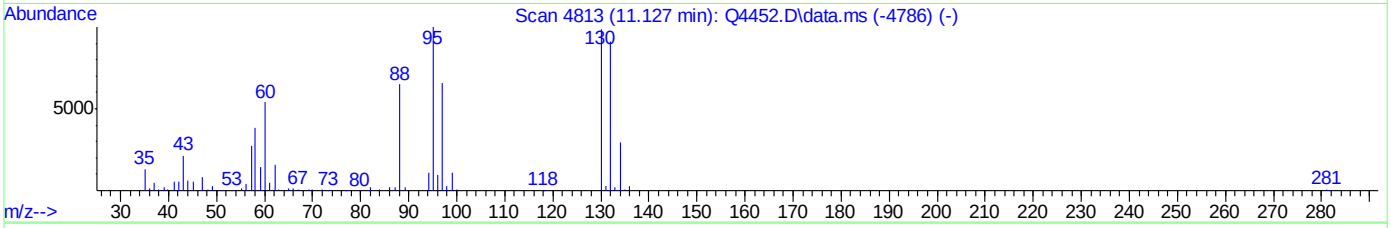
Quantitation Report (Qedit)

```
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

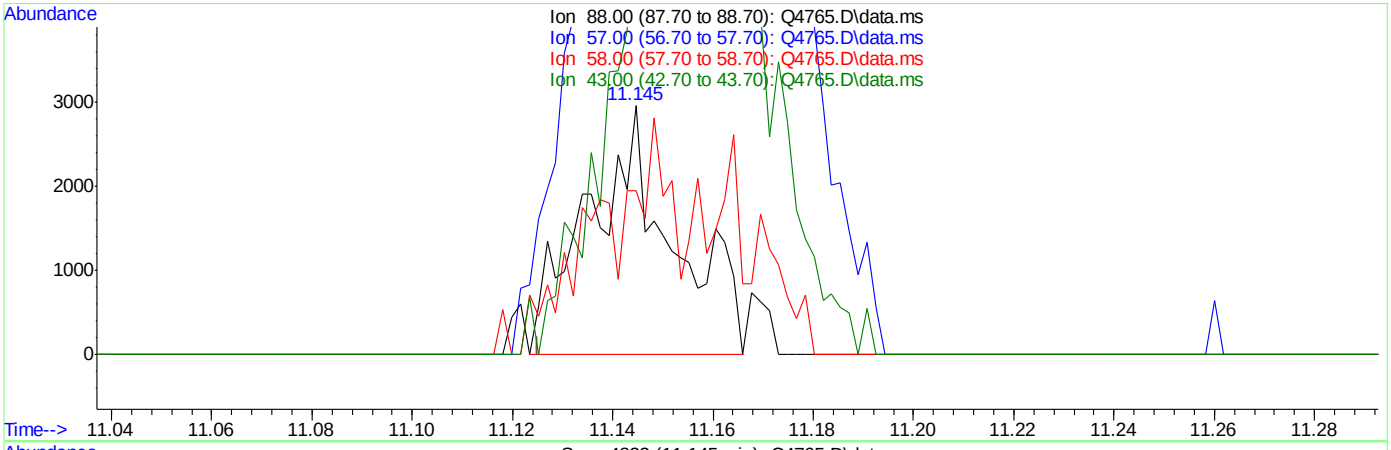
Ion	Exp%	Act%
88.00	100	100
57.00	40.40	538.71#
58.00	66.50	65.62
43.00	55.90	168.15#

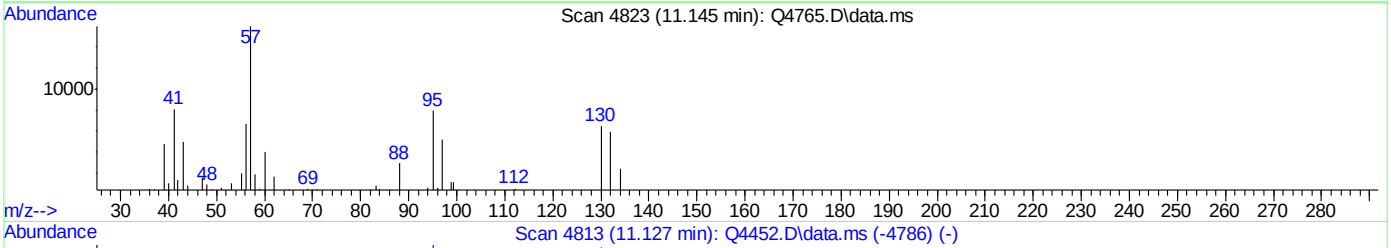
ACCUTEST Laboratories M67847

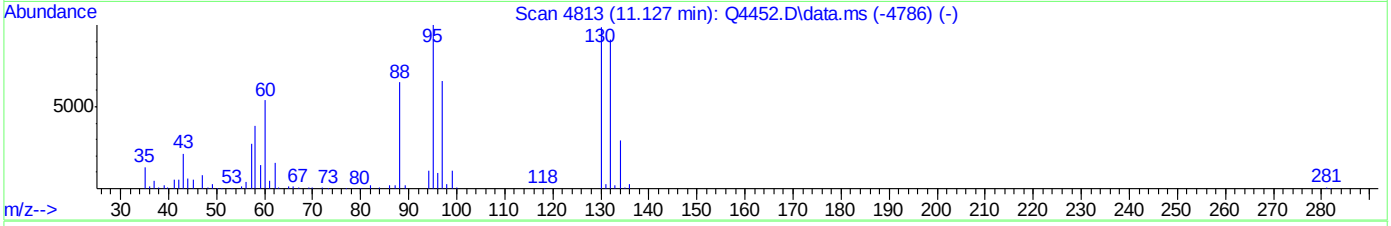
Quantitation Report (Qedit)

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

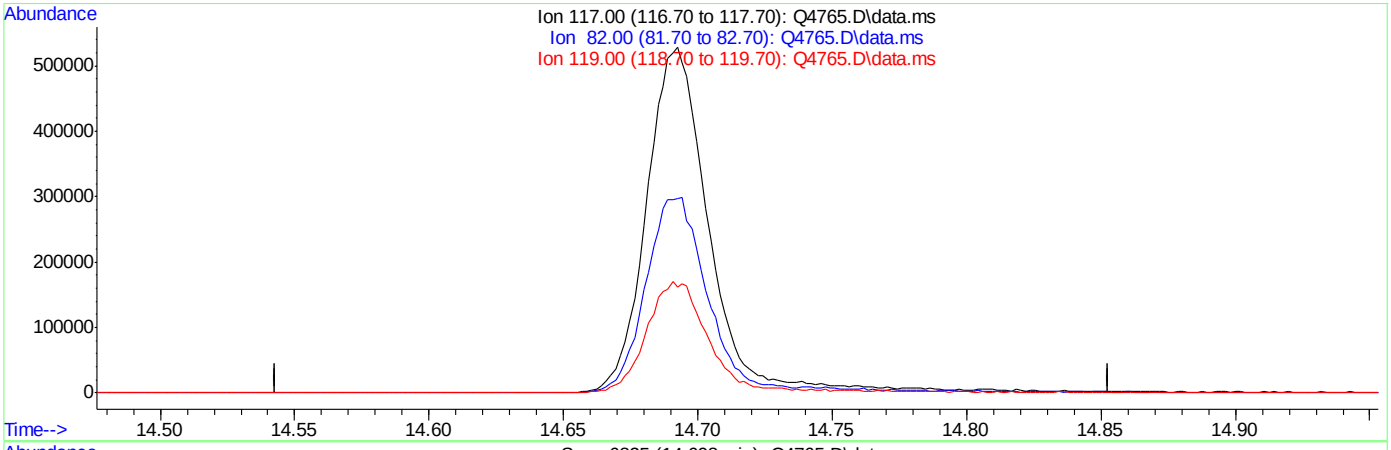
response 3468

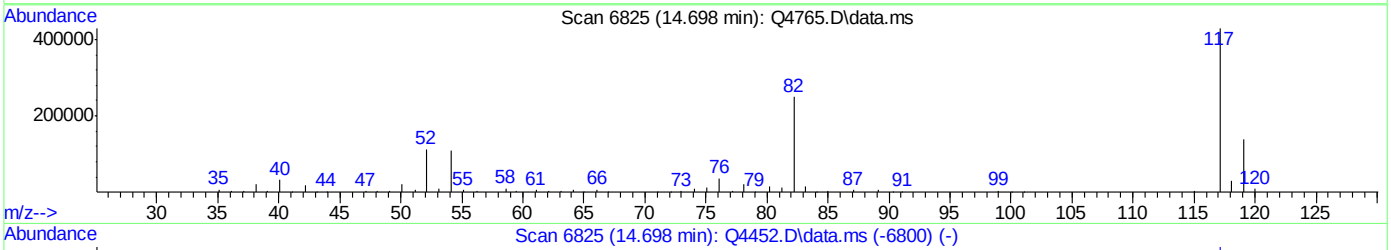
Ion	Exp%	Act%
88.00	100	100
57.00	40.40	538.71#
58.00	66.50	65.62
43.00	55.90	168.15#

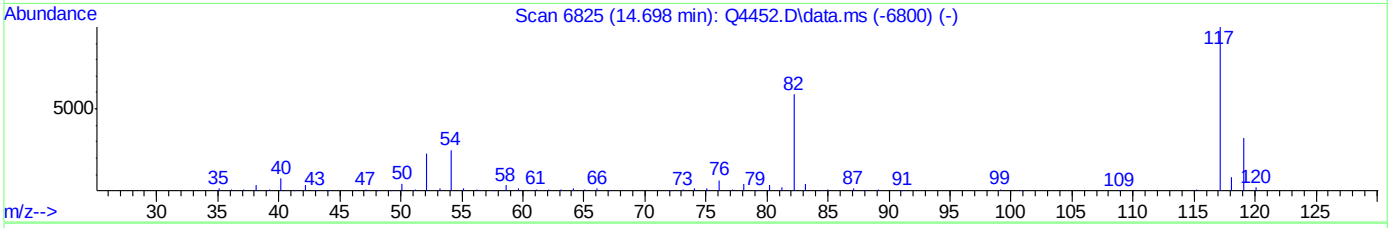
Quantitation Report (Qedit)

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

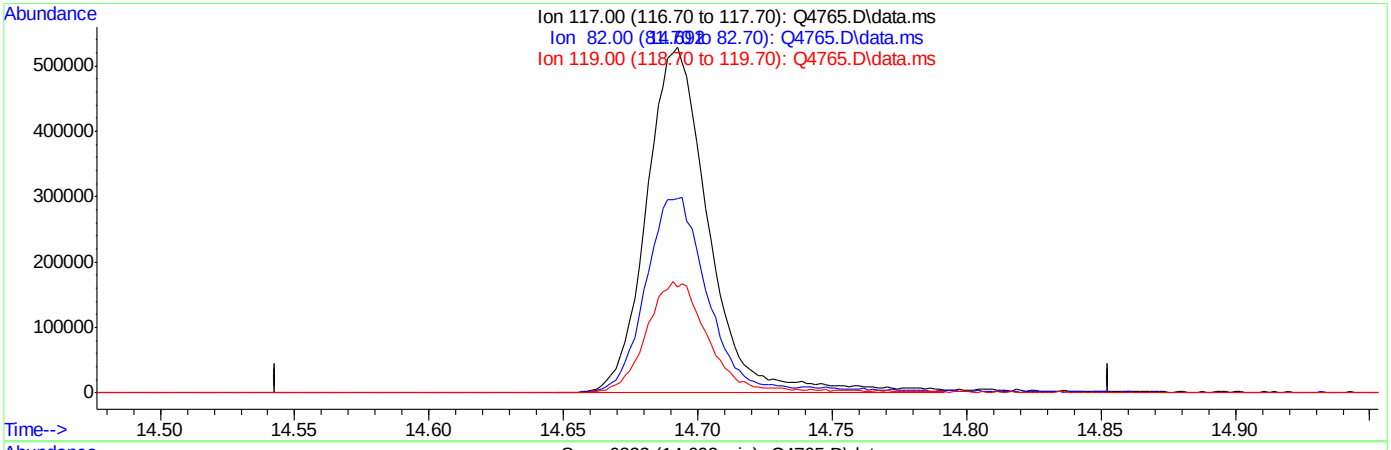
response 0

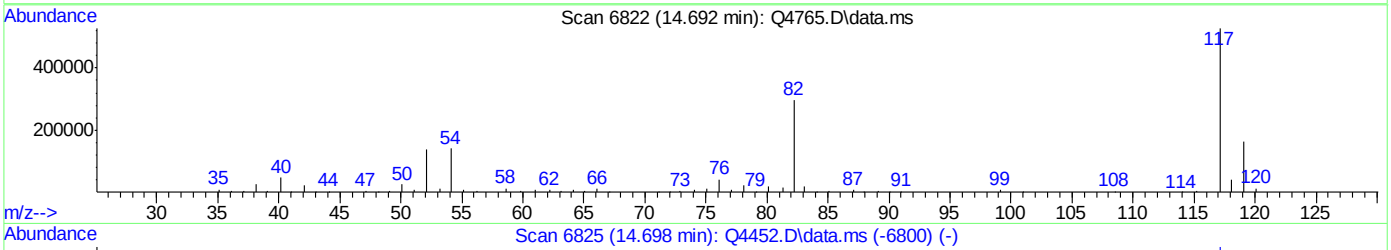
Ion	Exp%	Act%
117.00	100	0.00
82.00	68.40	0.00#
119.00	32.10	0.00#
0.00	0.00	0.00

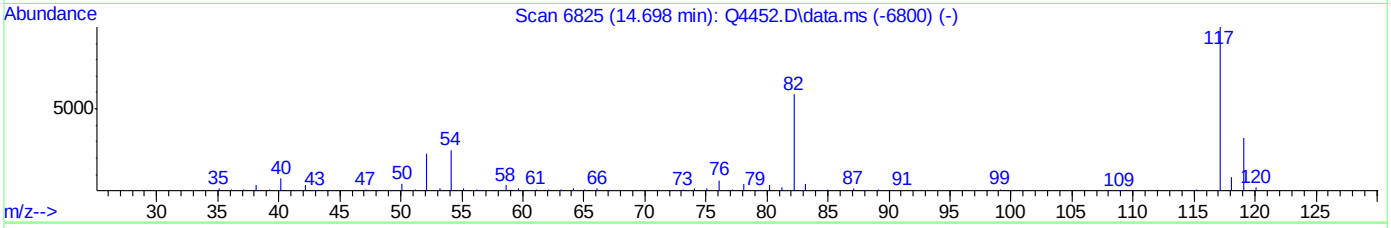
Quantitation Report (Qedit)

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

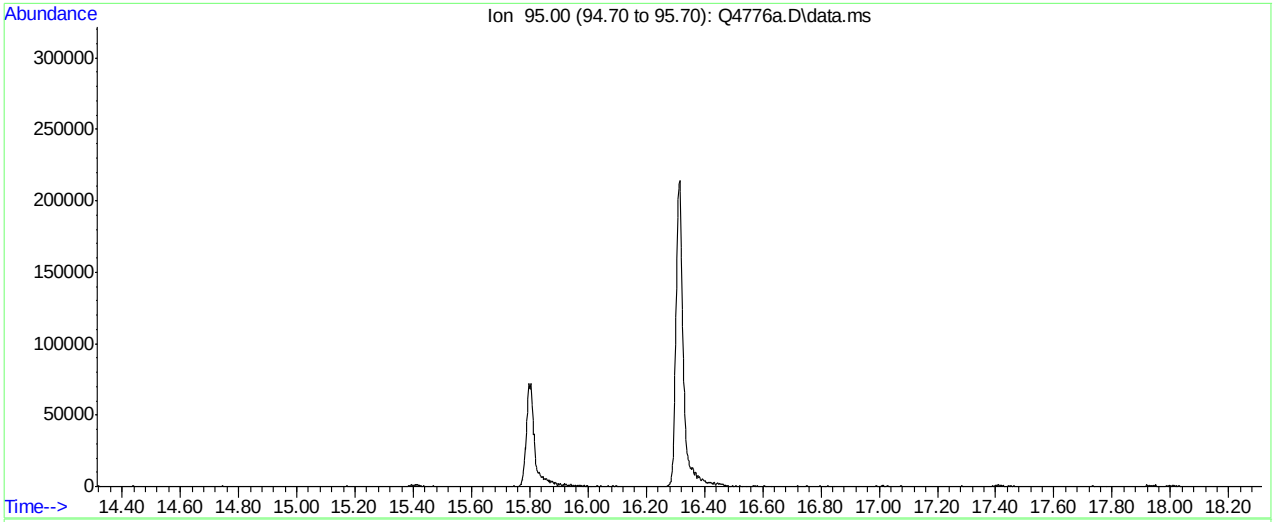
Ion	Exp%	Act%
117.00	100	100
82.00	68.40	0.00#
119.00	32.10	0.00#
0.00	0.00	0.00

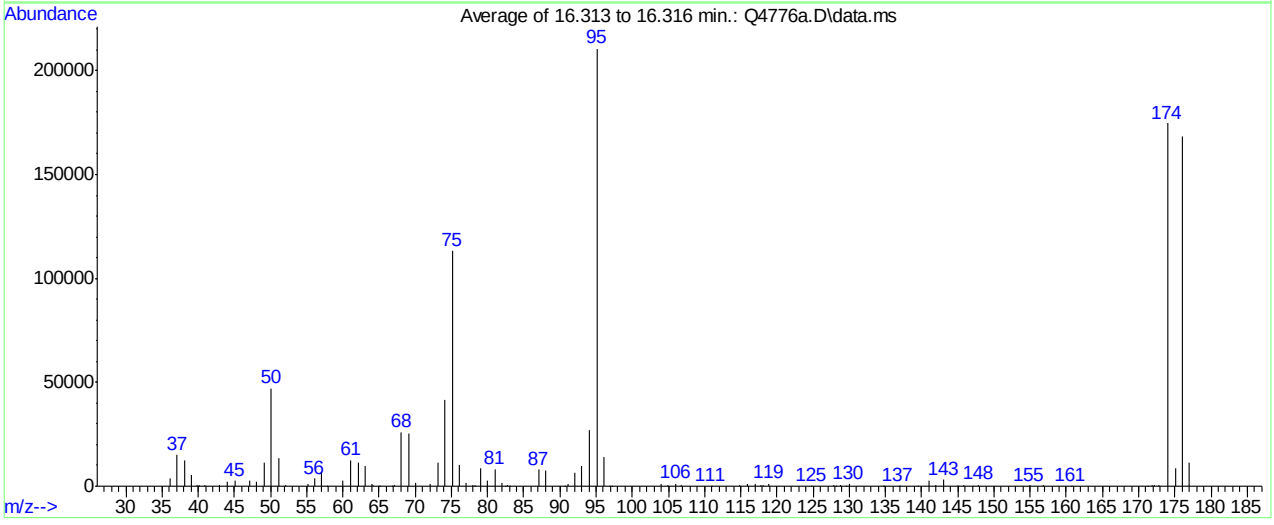
BFB

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

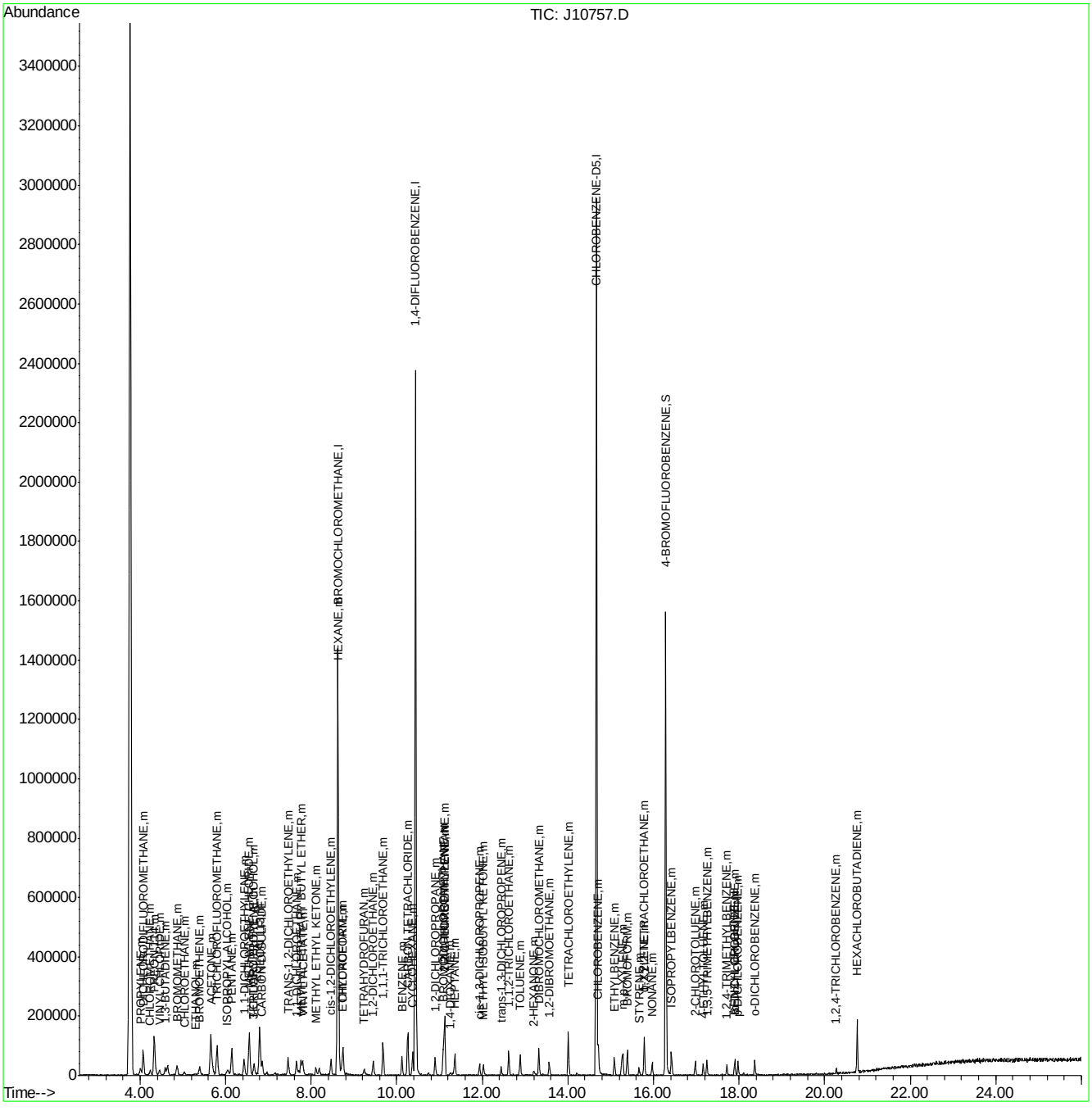
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.02	43	21762	0.37 PPBV #	46
45) cis-1,3-DICHLOROPROPENE	11.93	75	16819	0.34 PPBV	95
46) TOLUENE	12.88	92	27196	0.42 PPBV	98
47) trans-1,3-DICHLOROPROPENE	12.44	75	13551	0.29 PPBV	97
48) 1,1,2-TRICHLOROETHANE	12.61	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

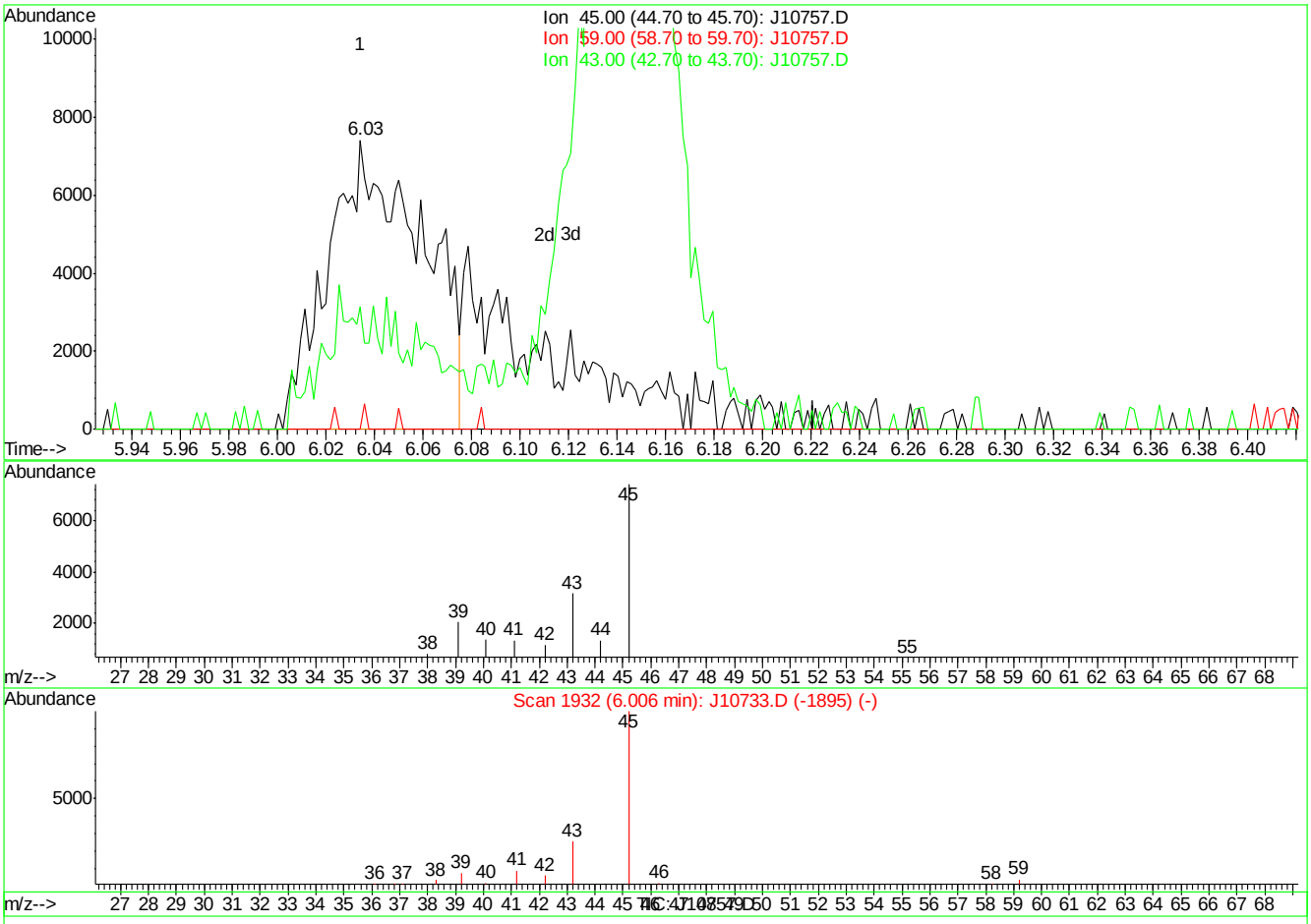


Quantitation Report (Qedit)

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

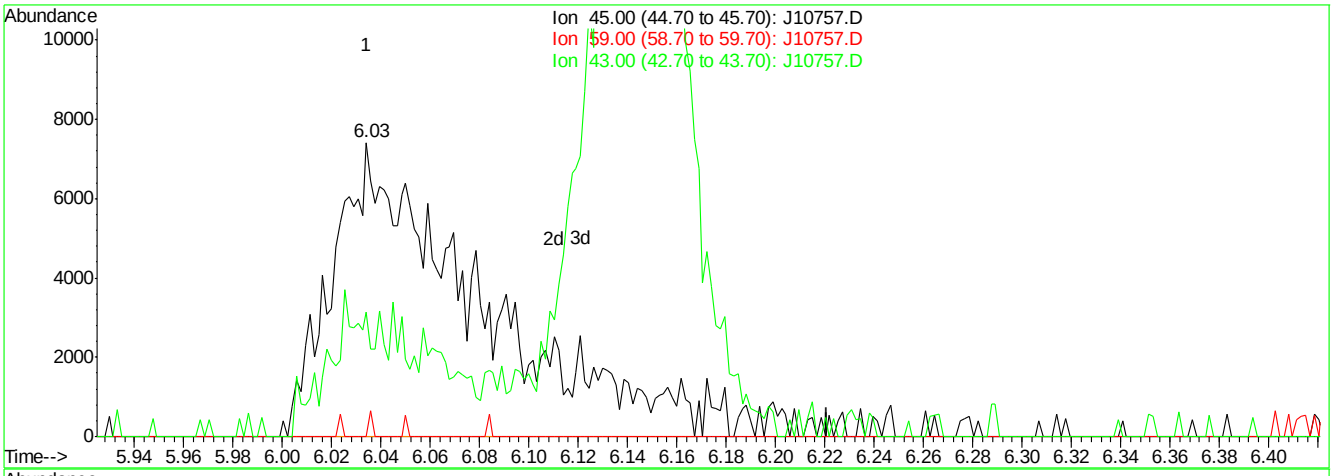
J10757.D J062507T.M Mon Jun 25 10:48:40 2007

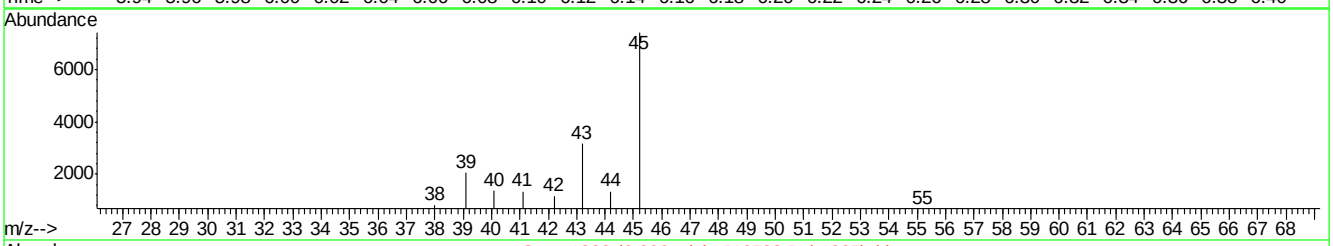
Quantitation Report (Qedit)

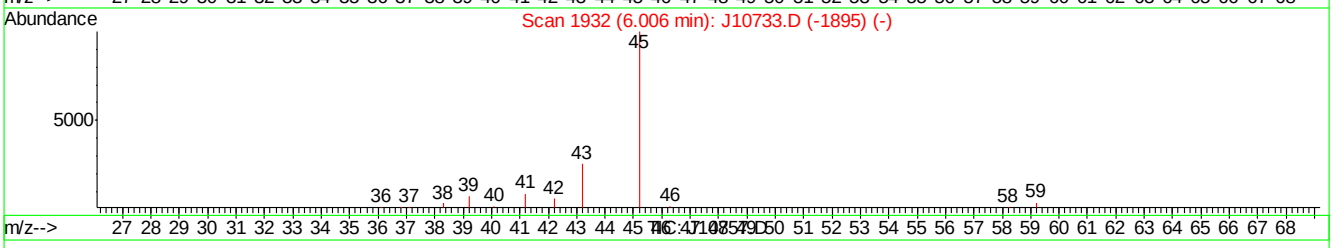
Data File : C:\MSDChem\1\data\J10757.D Vial: 2
Acq On : 25 Jun 2007 10:16 am Operator: danat
Sample : ic557-0.5 (m141) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

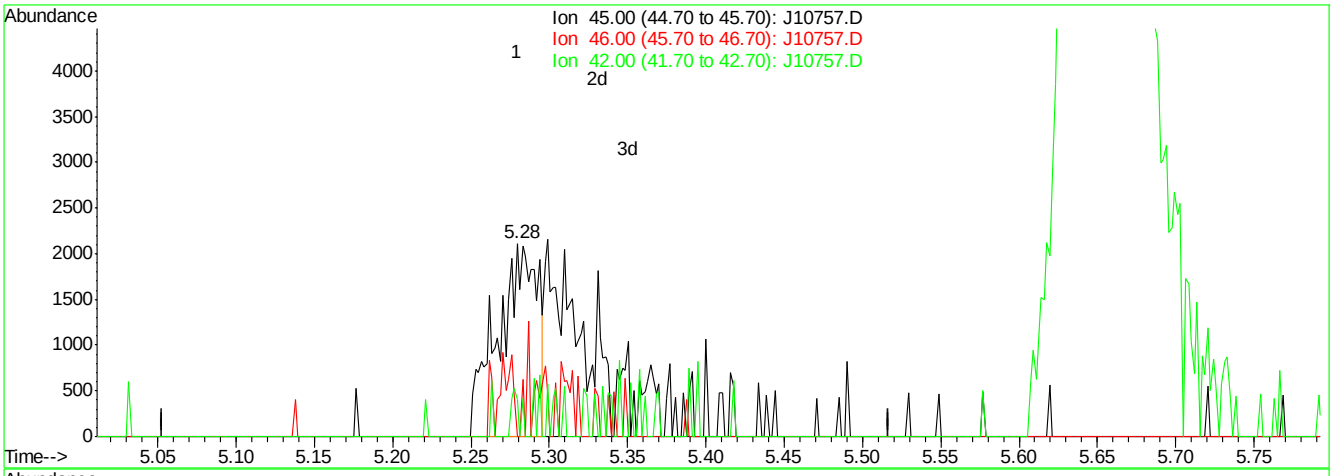
J10757.D J062507T.M Mon Jun 25 10:48:45 2007

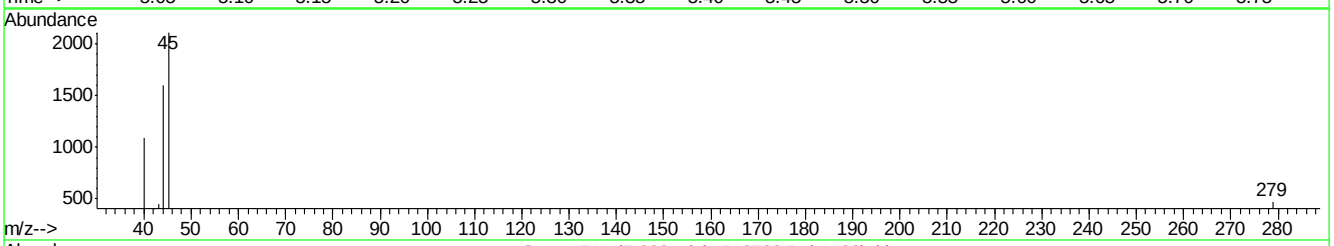
Quantitation Report (Qedit)

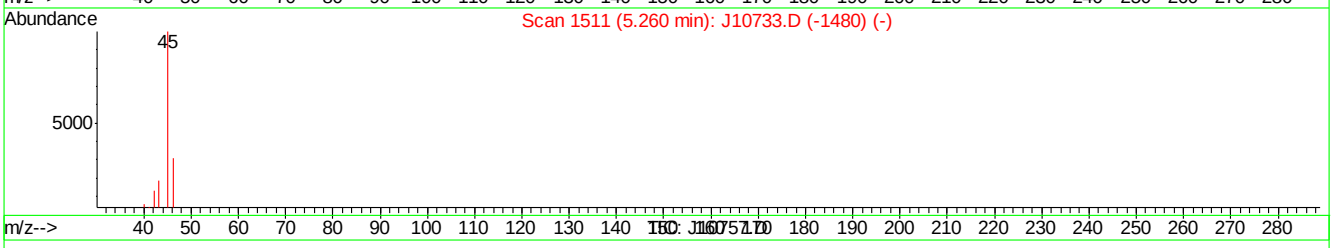
Data File : C:\MSDChem\1\data\J10757.D Vial: 2
Acq On : 25 Jun 2007 10:16 am Operator: danat
Sample : ic557-0.5 (m141) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

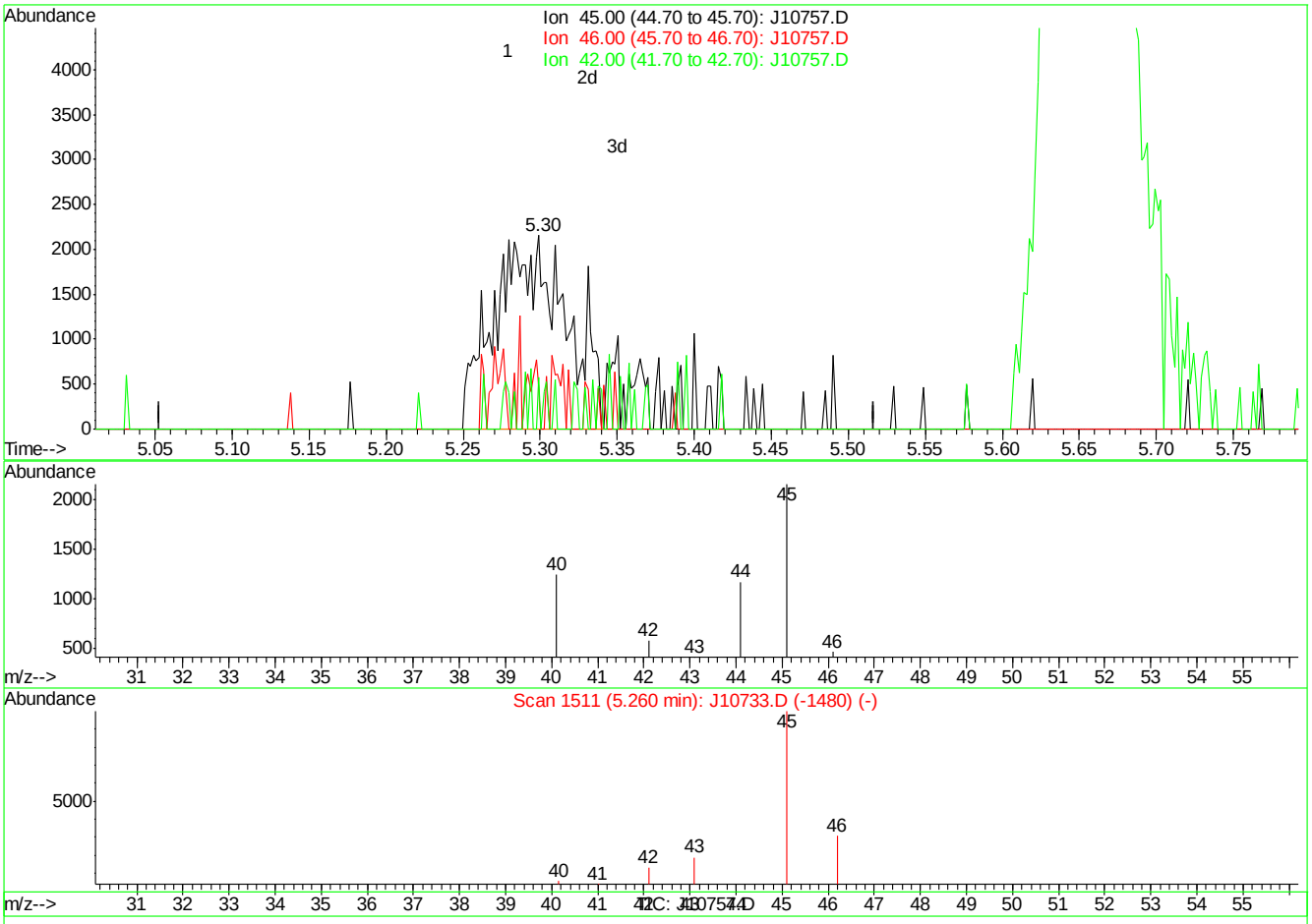
J10757.D J062507T.M Mon Jun 25 10:49:22 2007

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

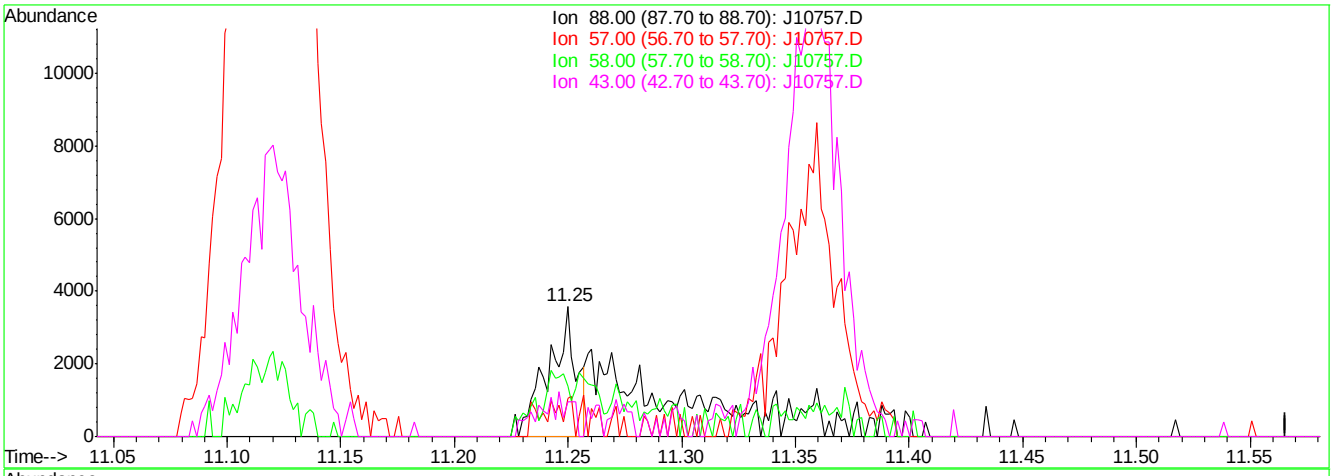
J10757.D J062507T.M Mon Jun 25 10:49:33 2007

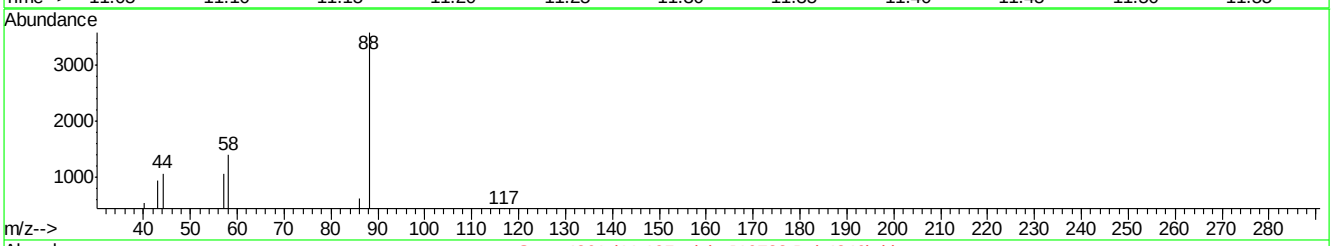
Quantitation Report (Qedit)

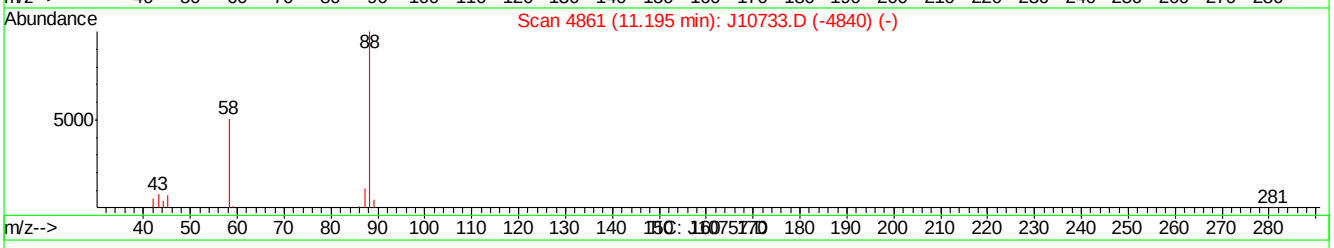
Data File : C:\MSDChem\1\data\J10757.D Vial: 2
Acq On : 25 Jun 2007 10:16 am Operator: danat
Sample : ic557-0.5 (m141) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

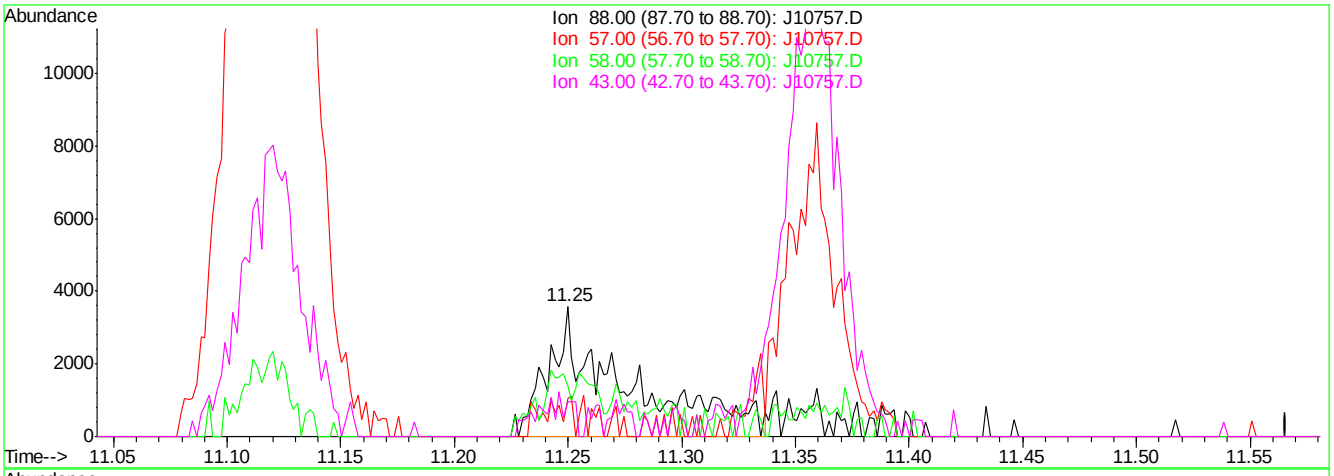
J10757.D J062507T.M Mon Jun 25 10:49:57 2007

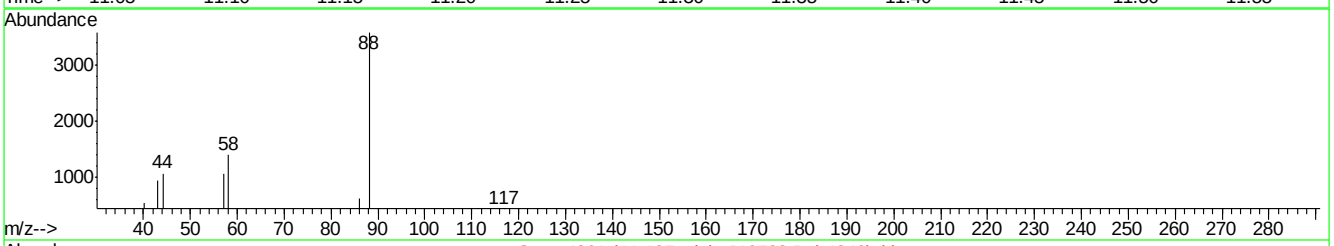
Quantitation Report (Qedit)

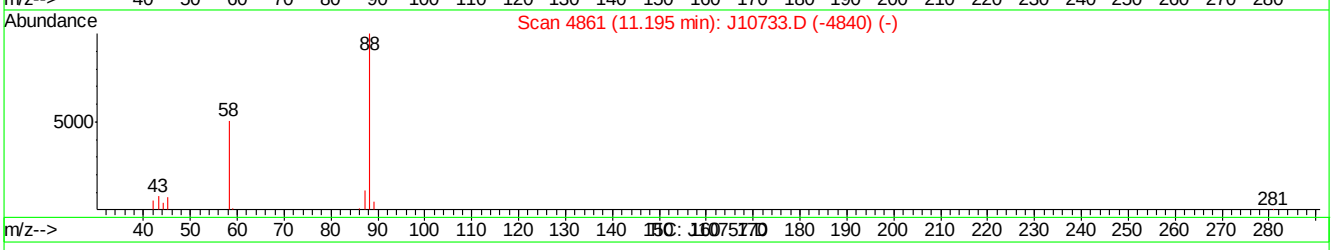
Data File : C:\MSDChem\1\data\J10757.D Vial: 2
Acq On : 25 Jun 2007 10:16 am Operator: danat
Sample : ic557-0.5 (m141) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

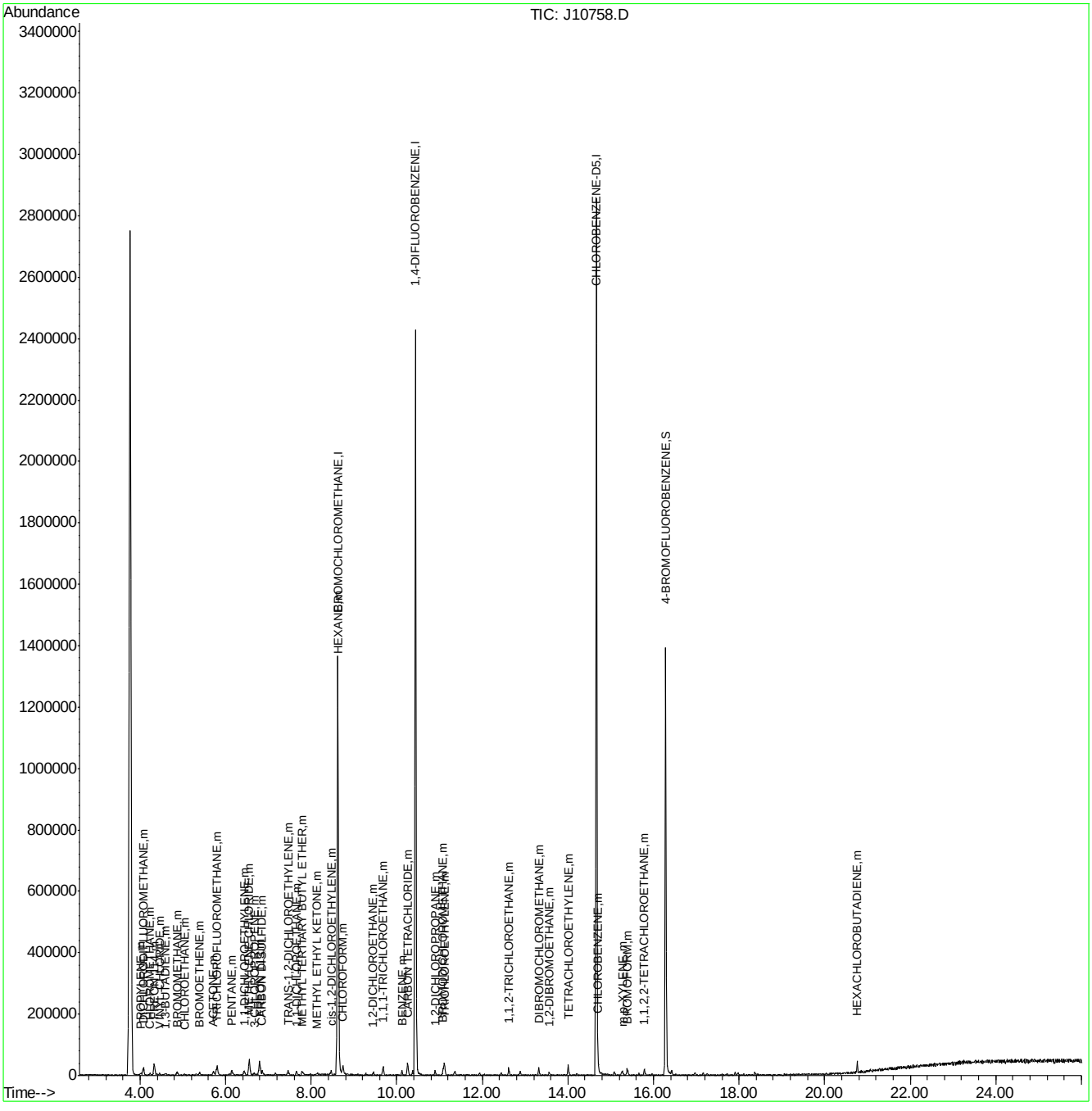
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = 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

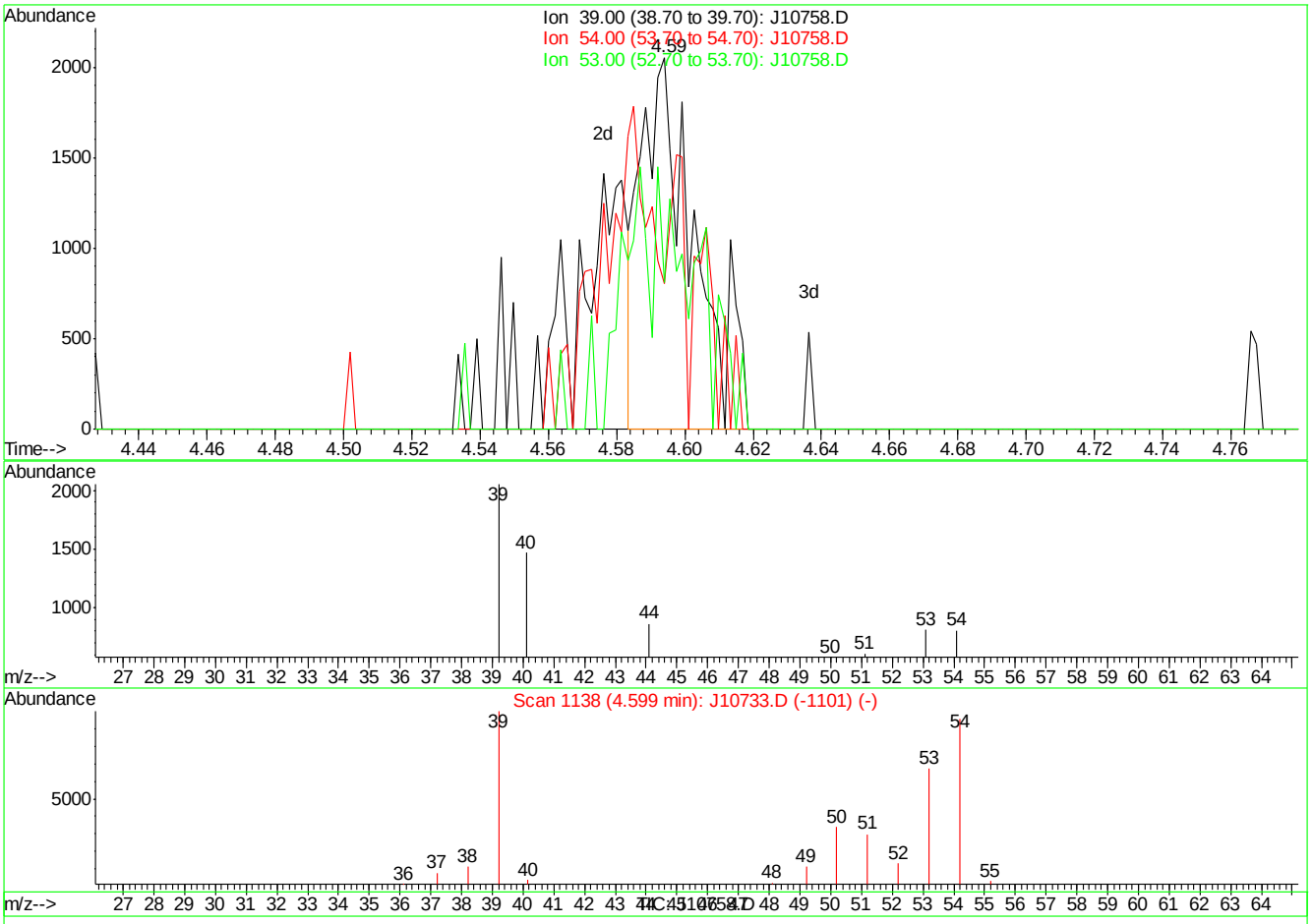


Quantitation Report (Qedit)

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

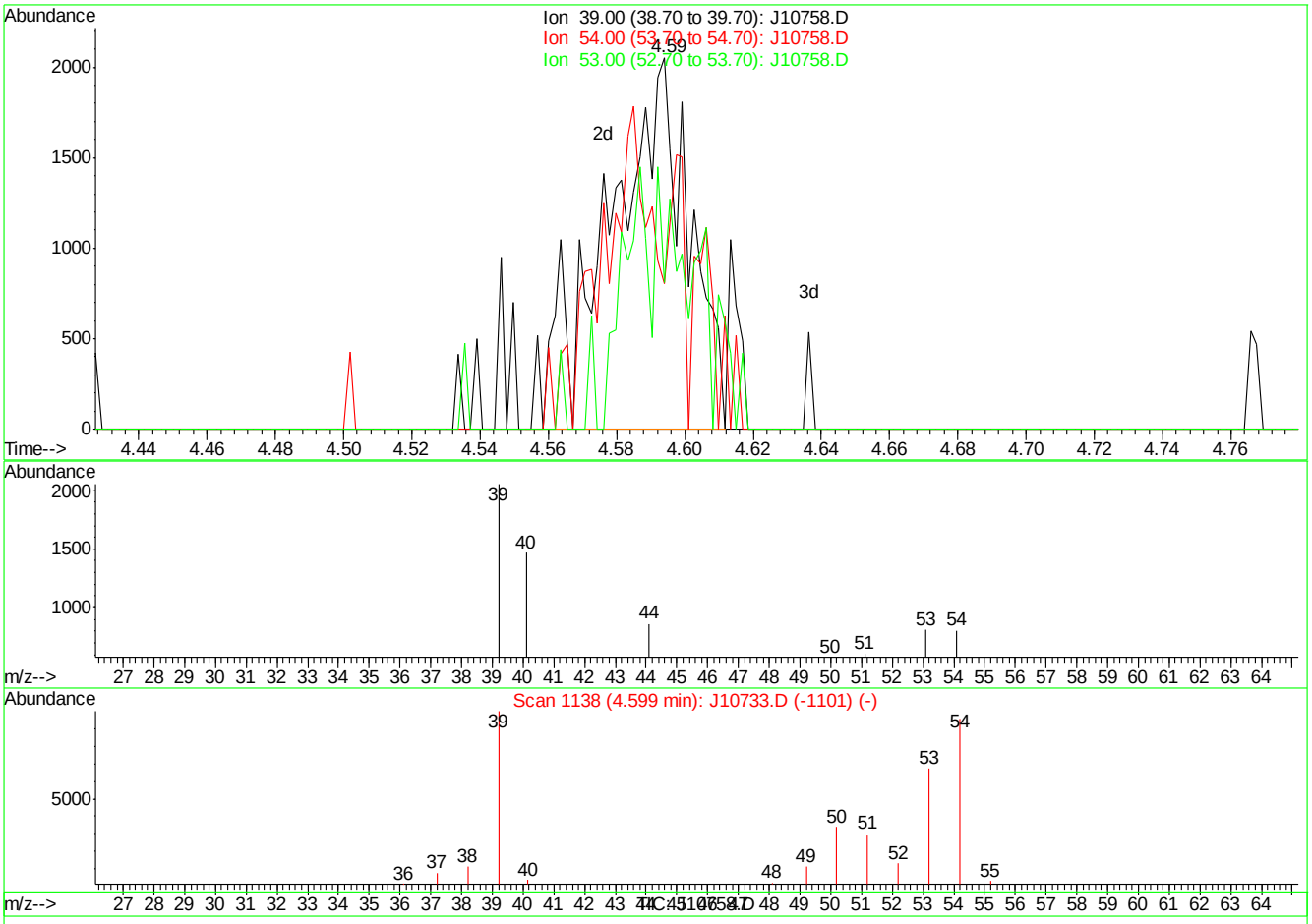
J10758.D J062507T.M Mon Jun 25 11:49:01 2007

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

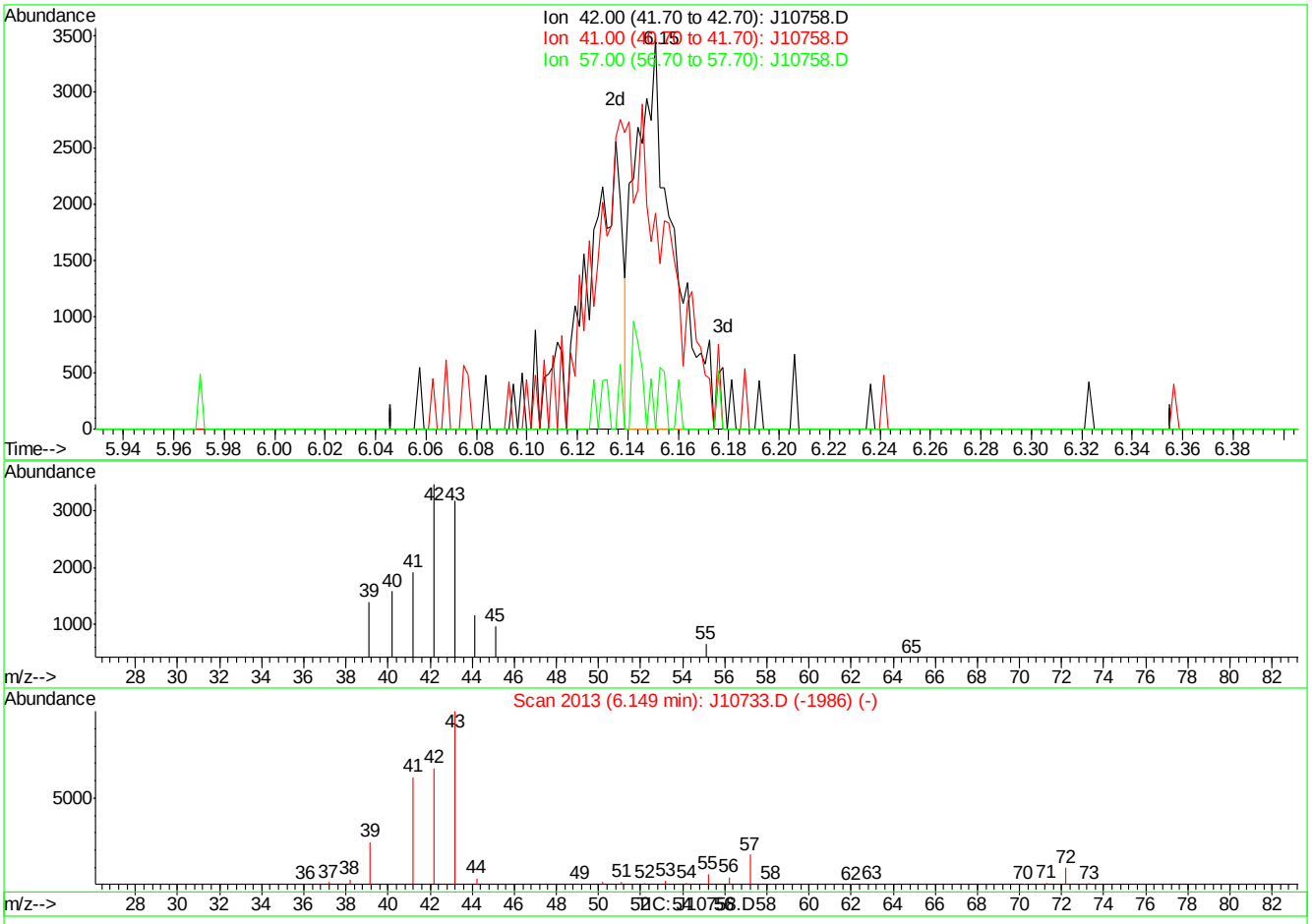
J10758.D J062507T.M Mon Jun 25 11:49:09 2007

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

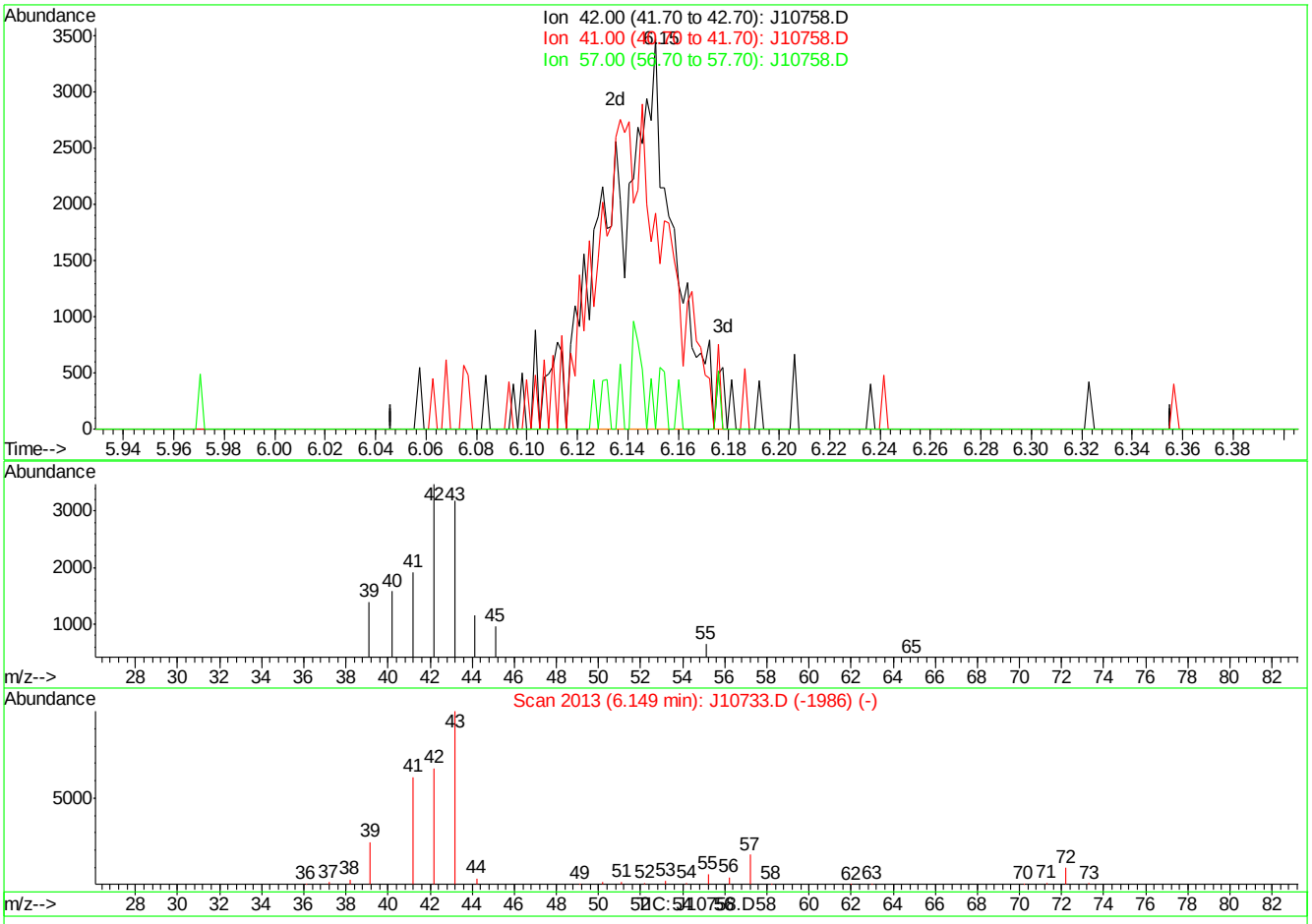
J10758.D J062507T.M Mon Jun 25 11:49:31 2007

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

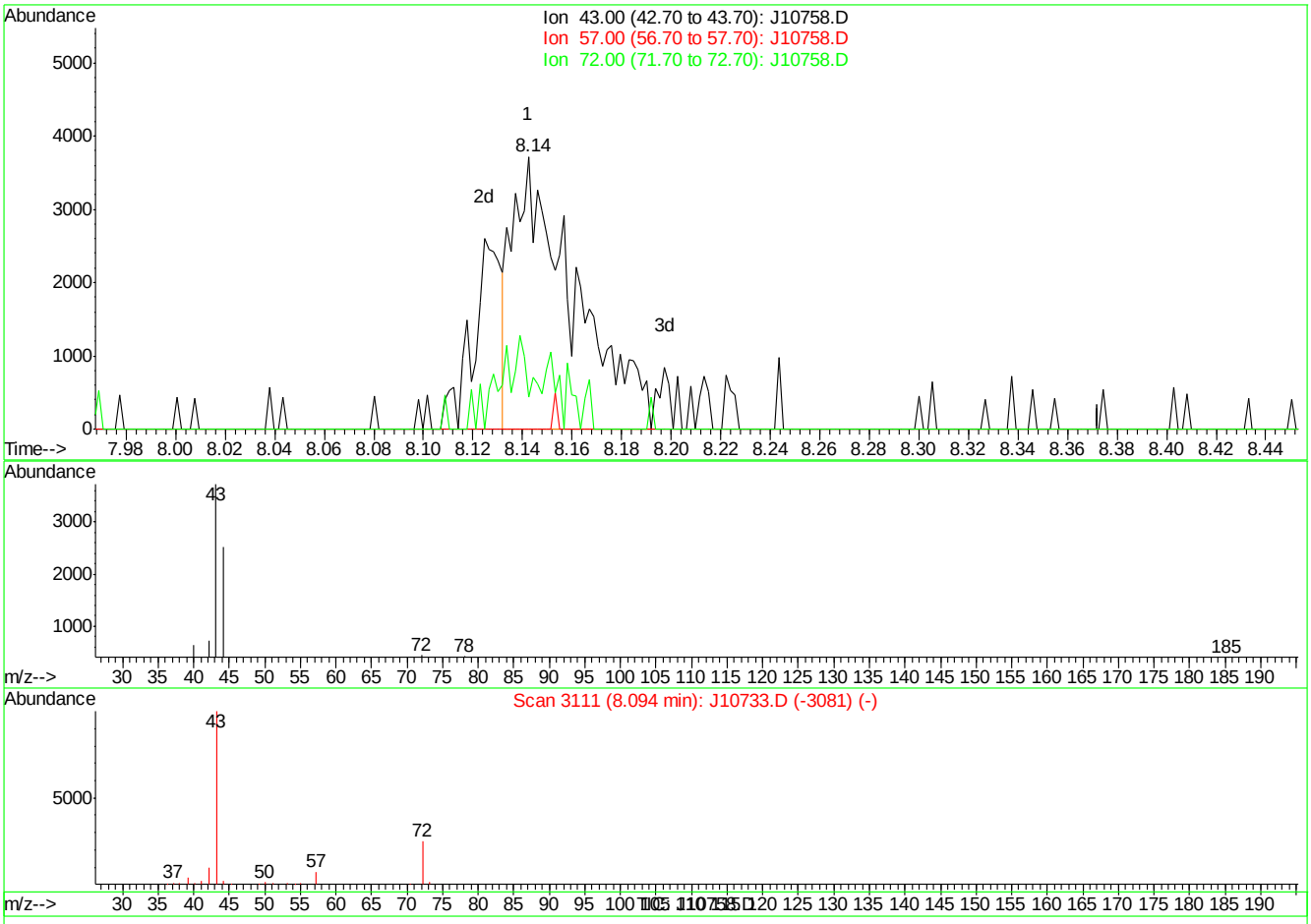
J10758.D J062507T.M Mon Jun 25 11:49:39 2007

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

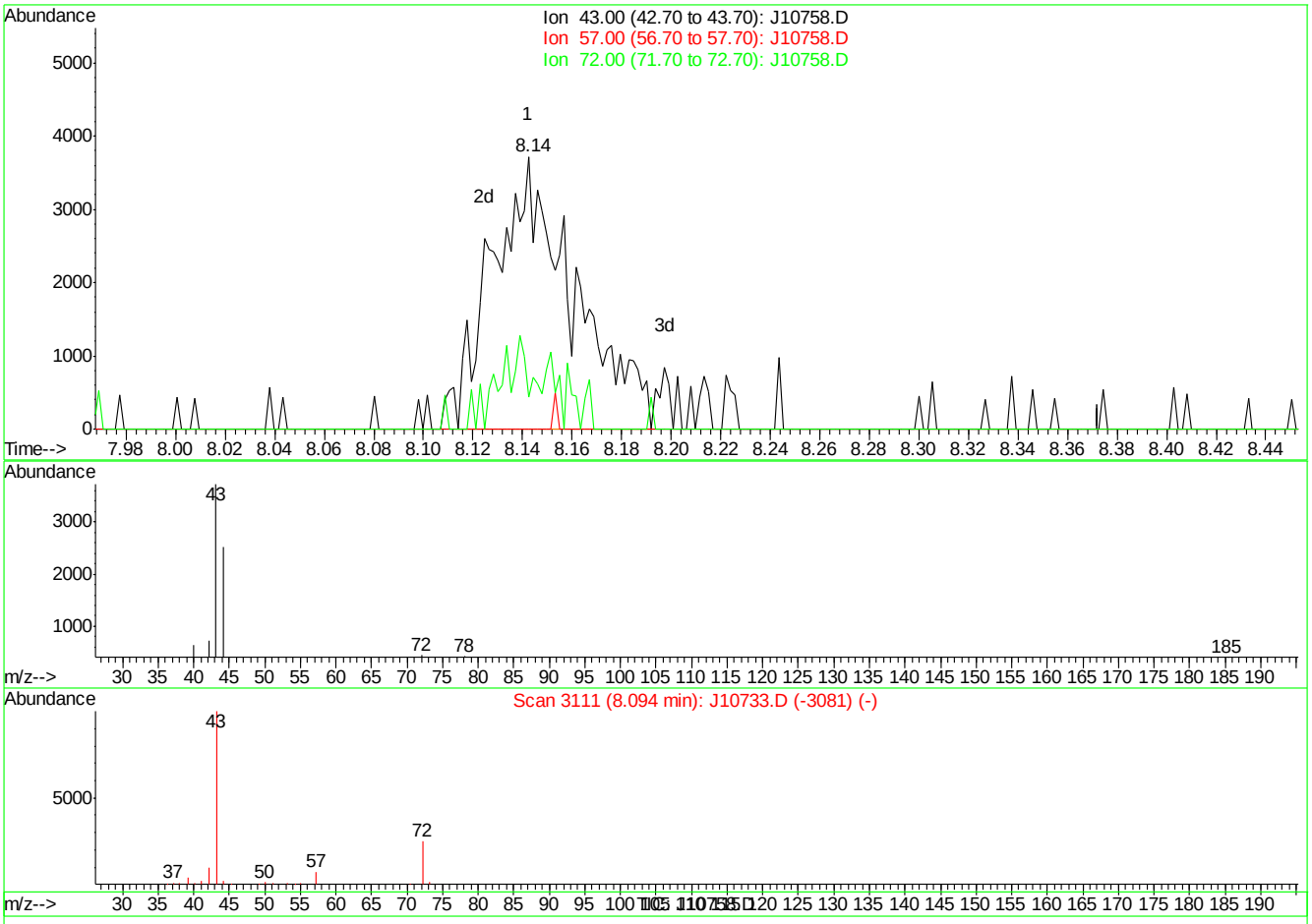
J10758.D J062507T.M Mon Jun 25 11:50:19 2007

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

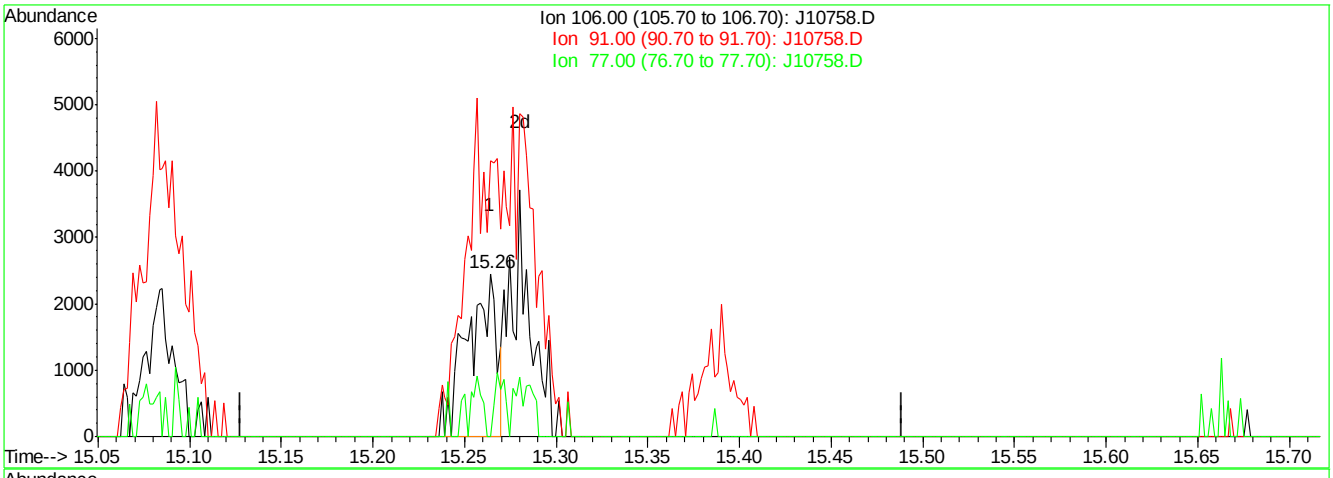
J10758.D J062507T.M Mon Jun 25 11:50:25 2007

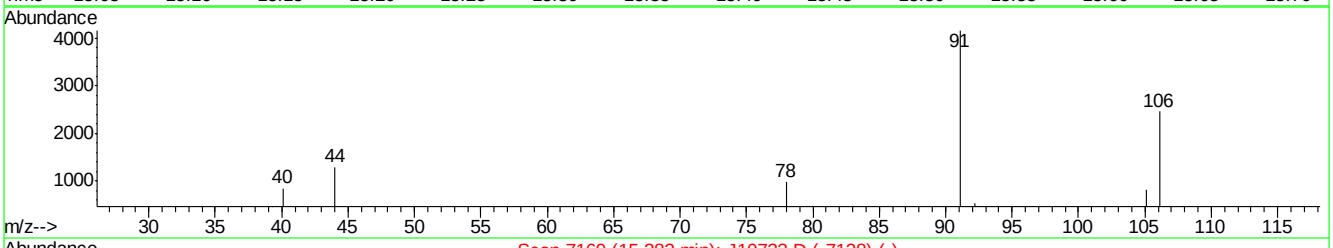
Quantitation Report (Qedit)

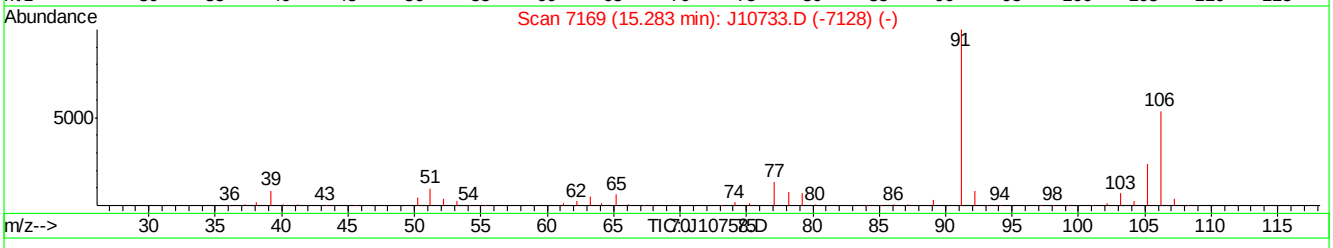
Data File : C:\MSDChem\1\data\J10758.D Vial: 2
Acq On : 25 Jun 2007 11:05 am Operator: danat
Sample : ic557-0.2 (m141) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

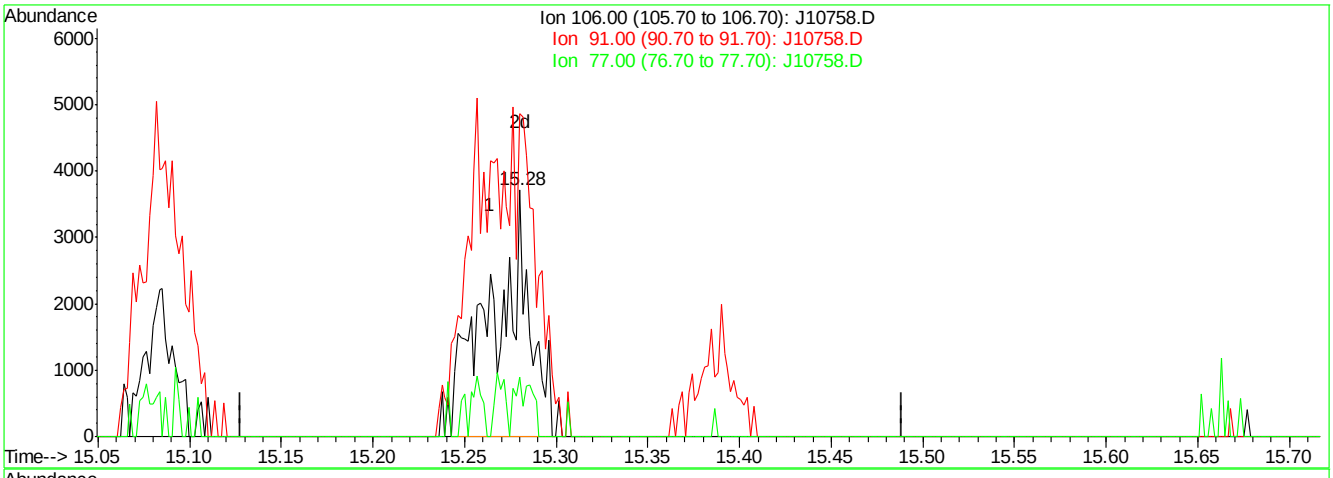
J10758.D J062507T.M Mon Jun 25 11:52:03 2007

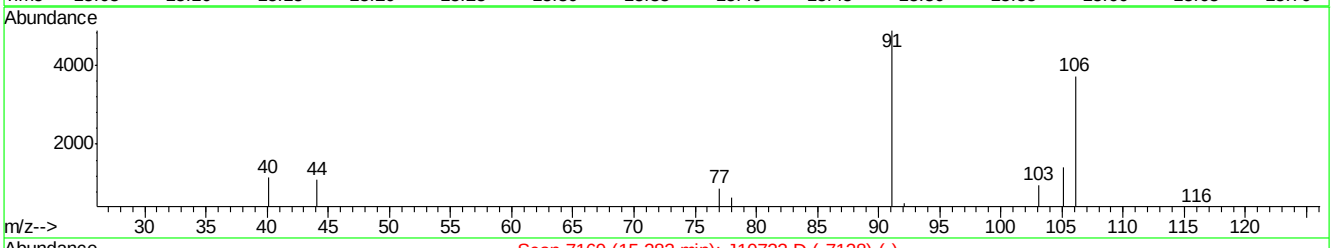
Quantitation Report (Qedit)

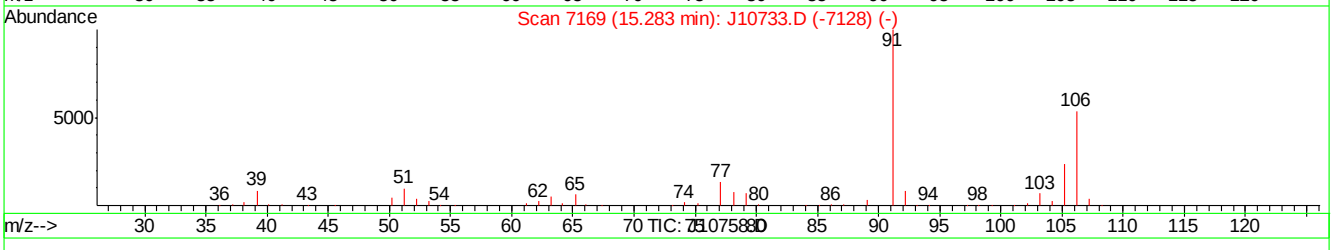
Data File : C:\MSDChem\1\data\J10758.D Vial: 2
Acq On : 25 Jun 2007 11:05 am Operator: danat
Sample : ic557-0.2 (m141) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

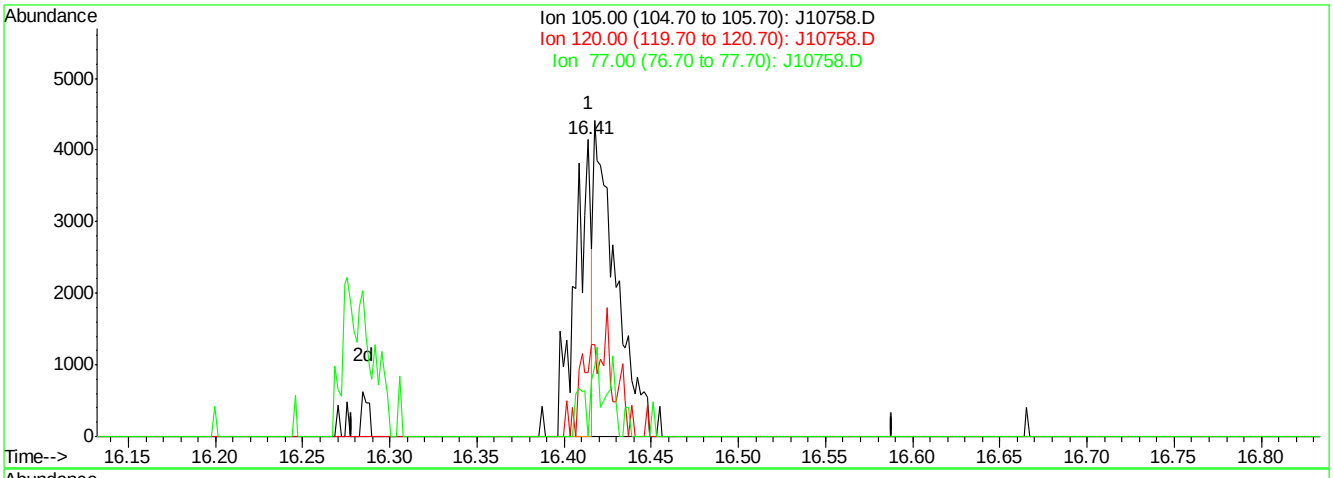
J10758.D J062507T.M Mon Jun 25 11:52:13 2007

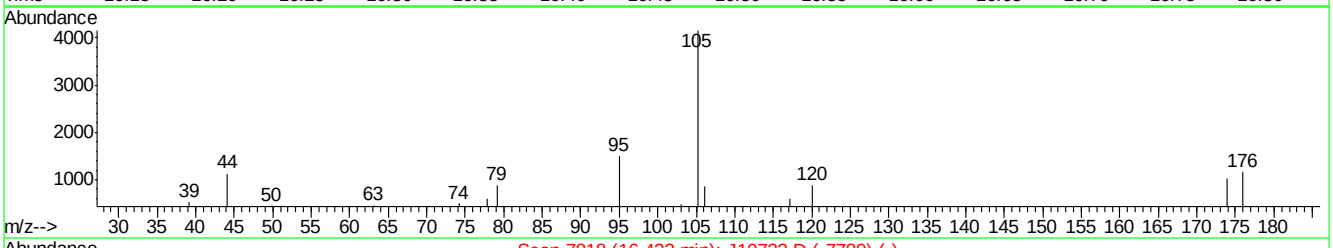
Quantitation Report (Qedit)

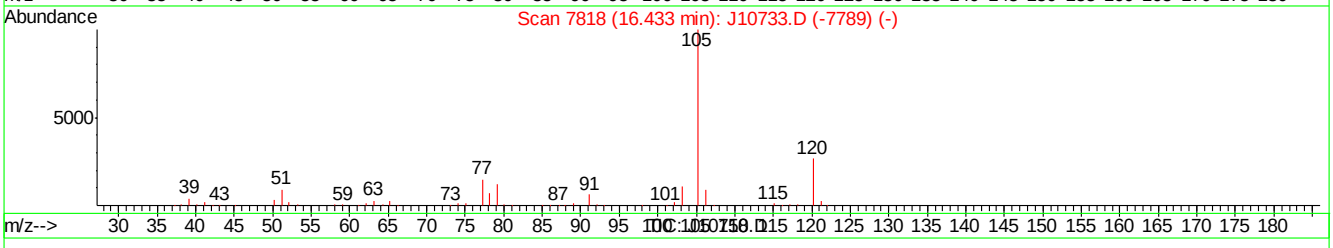
Data File : C:\MSDChem\1\data\J10758.D Vial: 2
Acq On : 25 Jun 2007 11:05 am Operator: danat
Sample : ic557-0.2 (m141) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

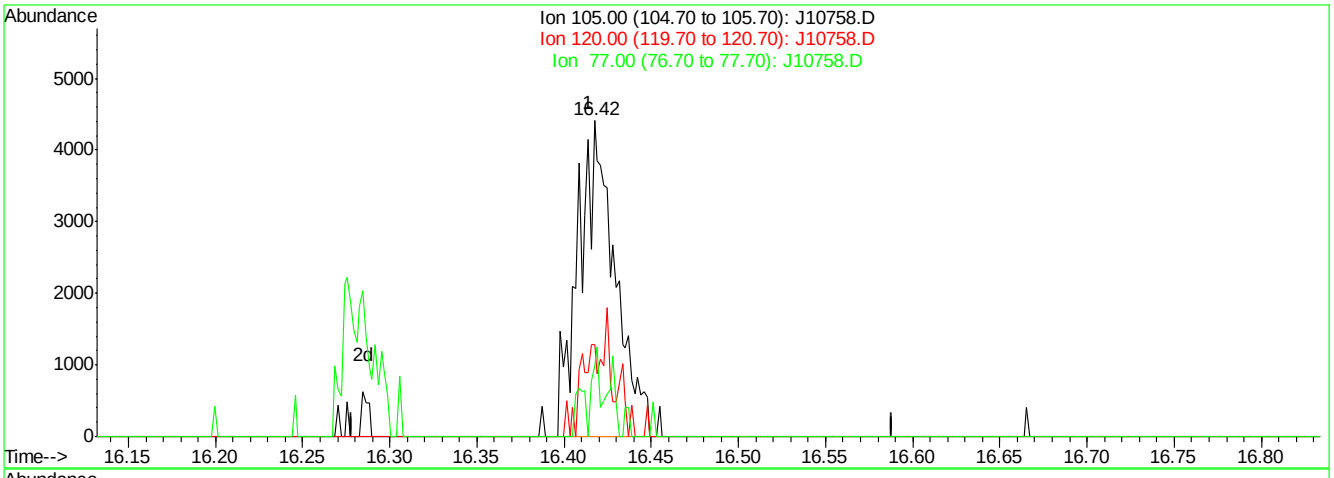
J10758.D J062507T.M Mon Jun 25 11:52:30 2007

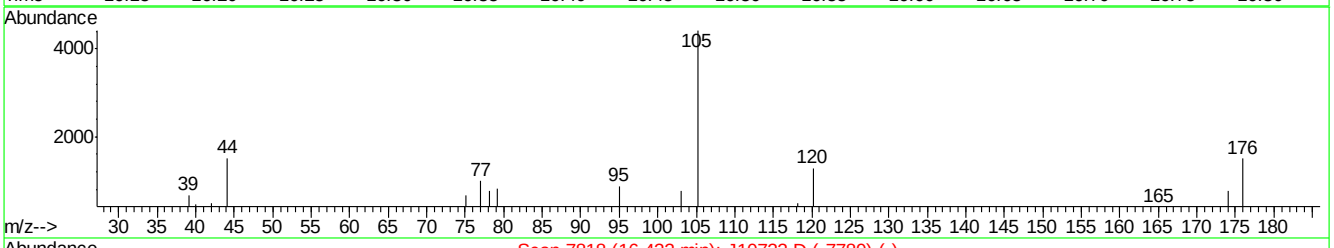
Quantitation Report (Qedit)

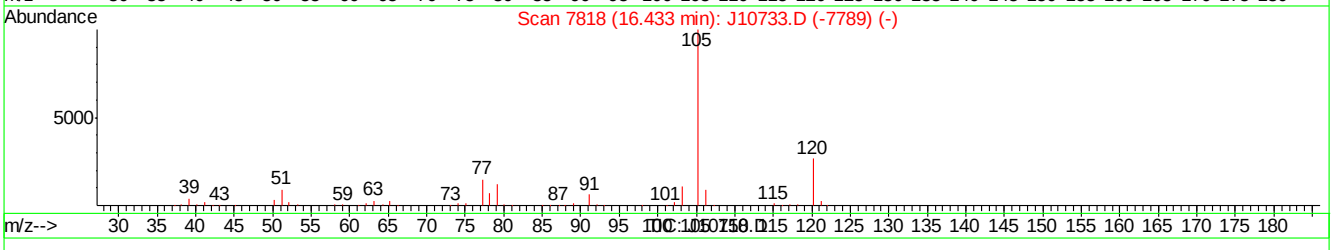
Data File : C:\MSDChem\1\data\J10758.D Vial: 2
Acq On : 25 Jun 2007 11:05 am Operator: danat
Sample : ic557-0.2 (m141) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

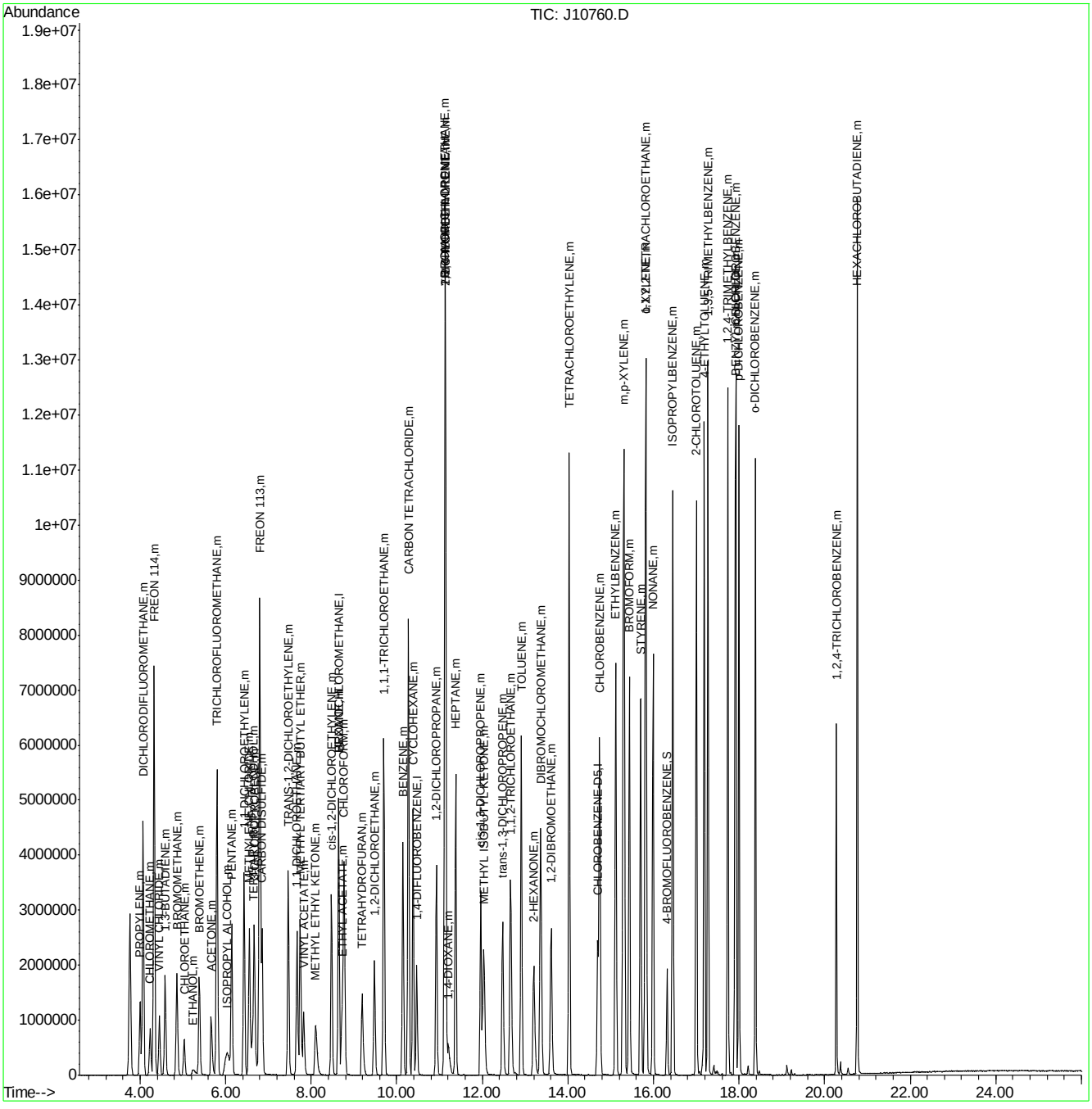
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.03	43	2669104	45.25 PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.96	75	2235612	44.72 PPBV	97
46) TOLUENE	12.91	92	3175409	48.29 PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.47	75	2268217	47.63 PPBV #	76
48) 1,1,2-TRICHLOROETHANE	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



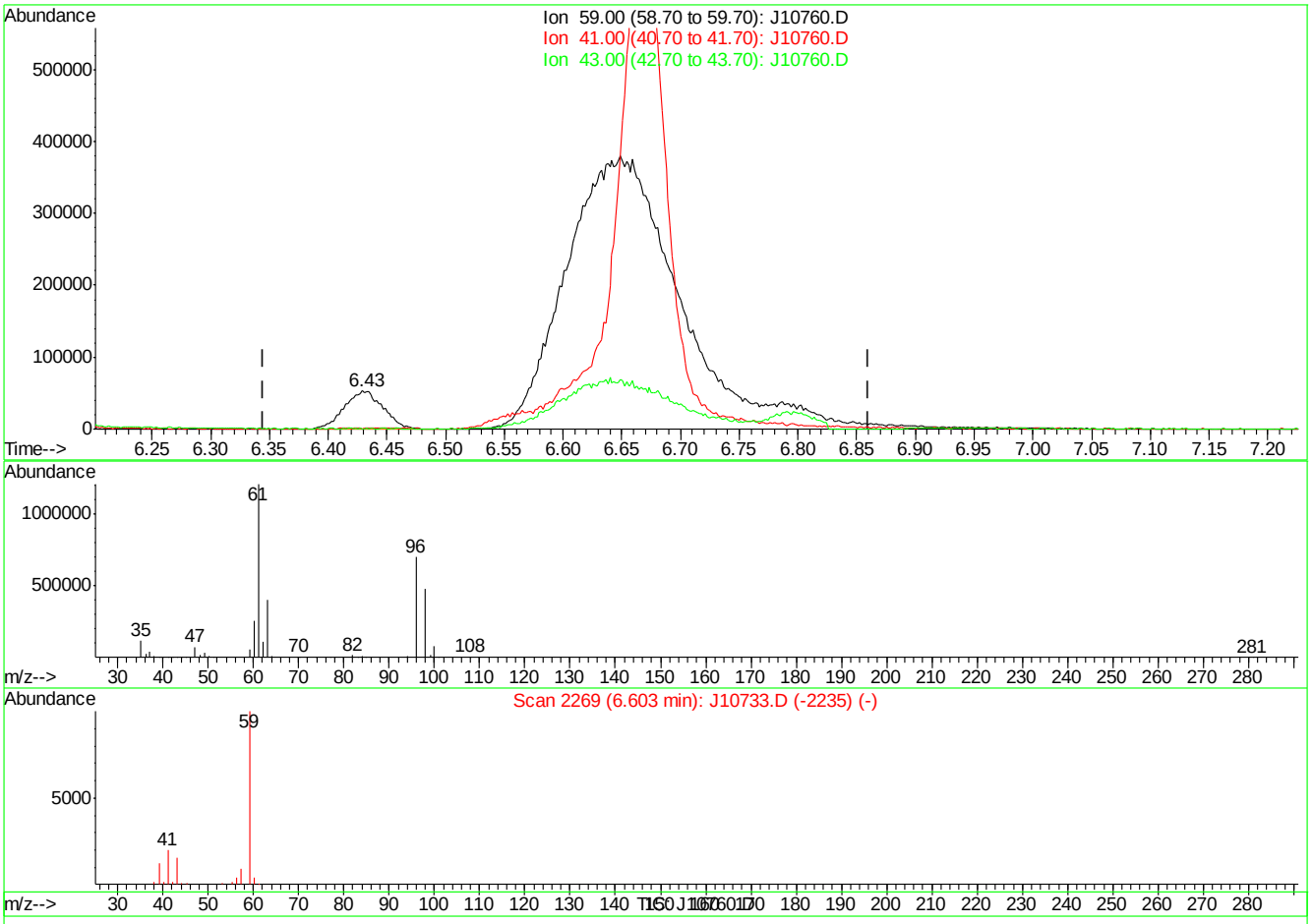
ACCUTEST Laboratories
M67847

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

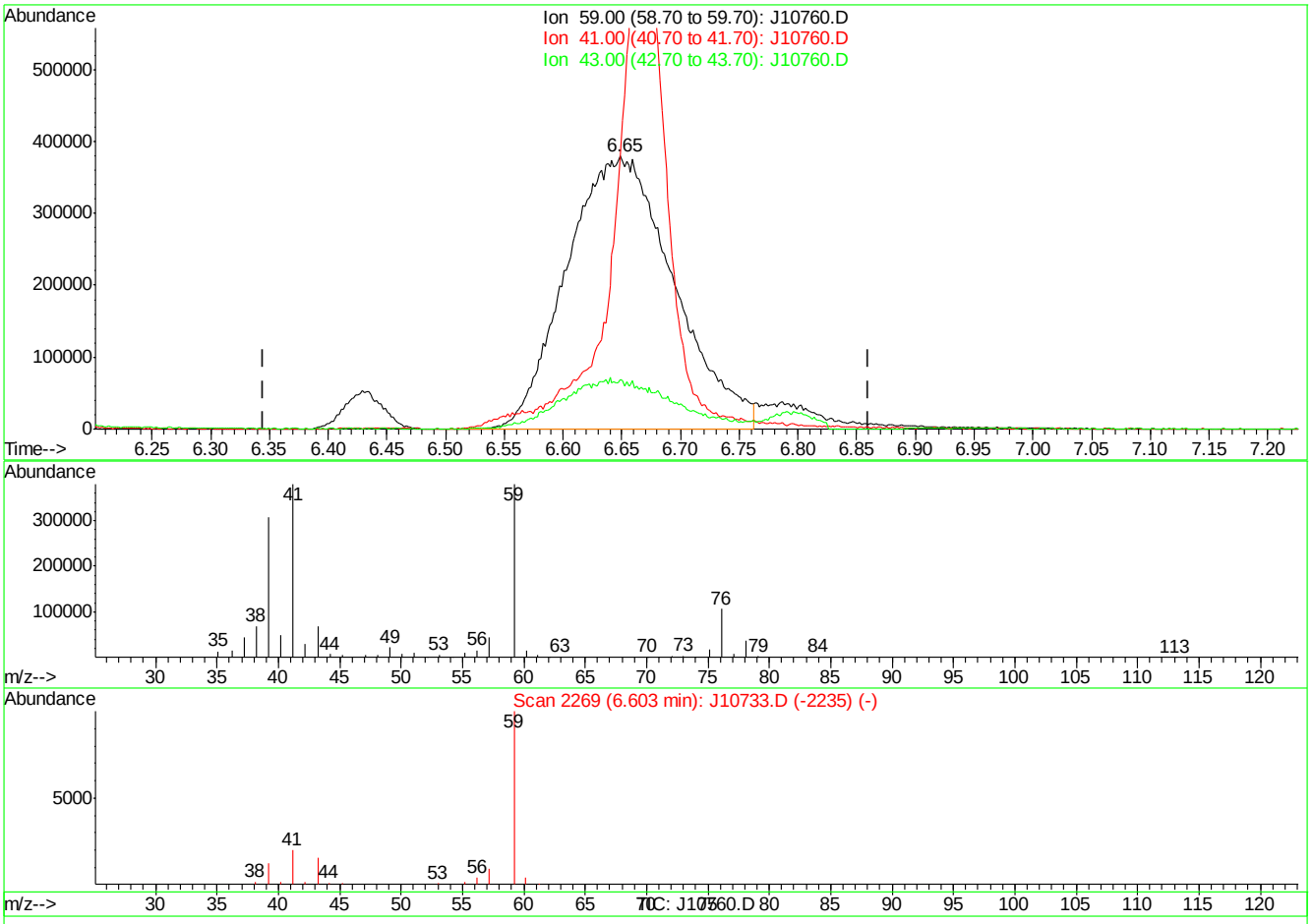
J10760.D J062507T.M Mon Jun 25 13:10:10 2007

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

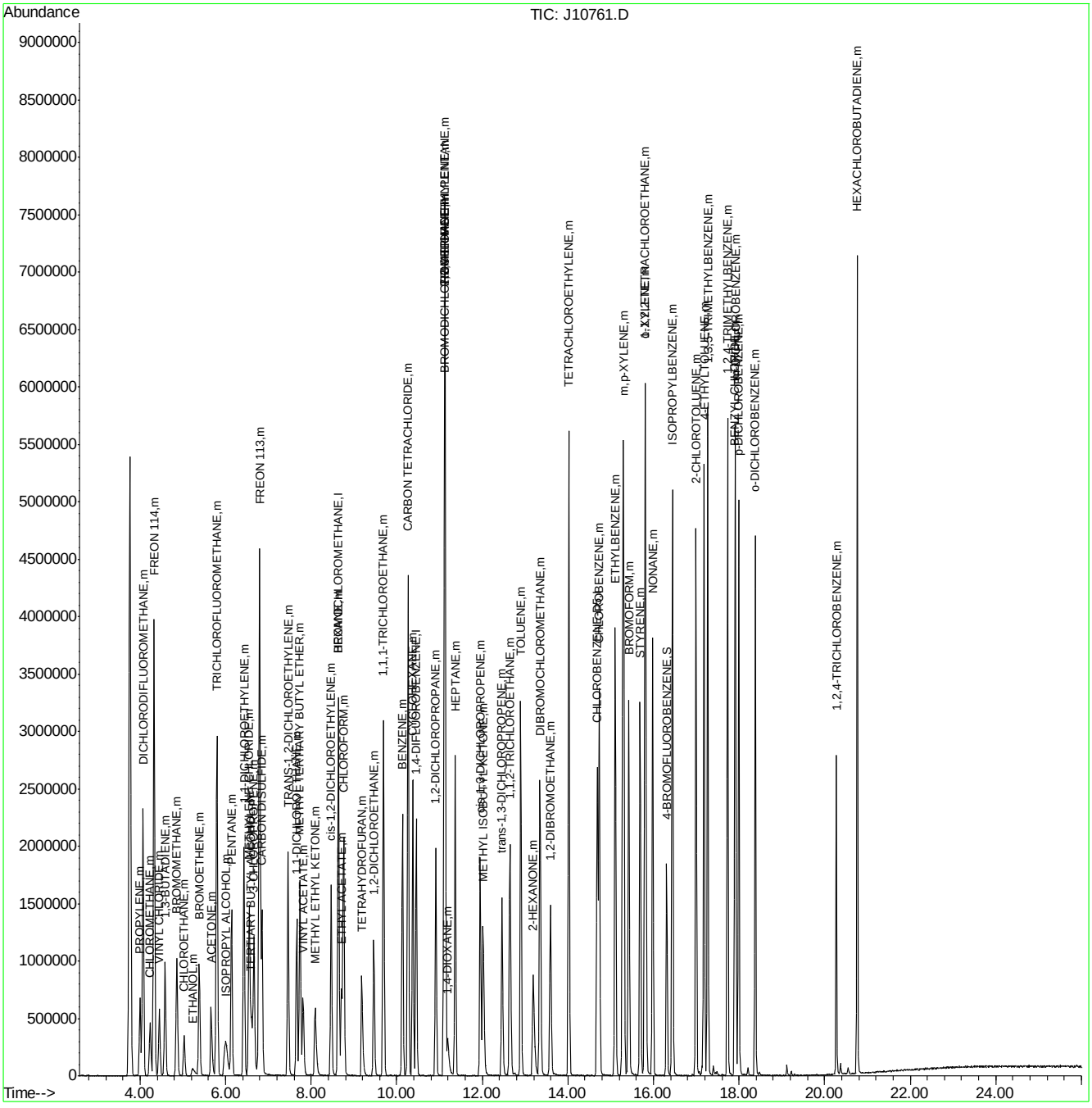
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.01	43	1328709	20.79	PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.95	75	1134927	20.95	PPBV	99
46) TOLUENE	12.90	92	1555485	21.83	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.46	75	1116511	21.64	PPBV	100
48) 1,1,2-TRICHLOROETHANE	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
M67847

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

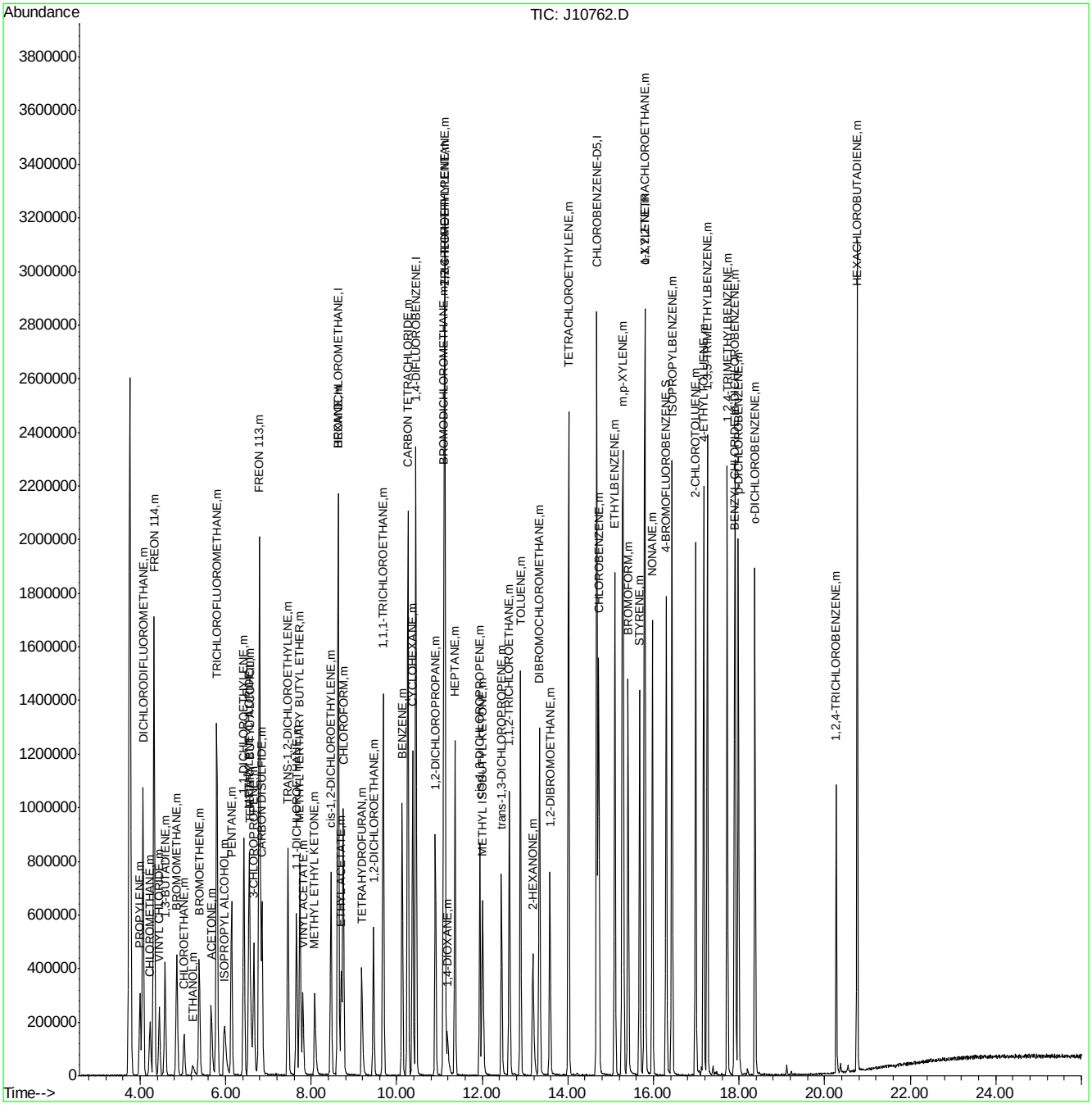
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.00	43	539564	8.93	PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.94	75	453130	10.63	PPBV	99
46) TOLUENE	12.89	92	629342	10.15	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.45	75	434192	10.90	PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.63	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

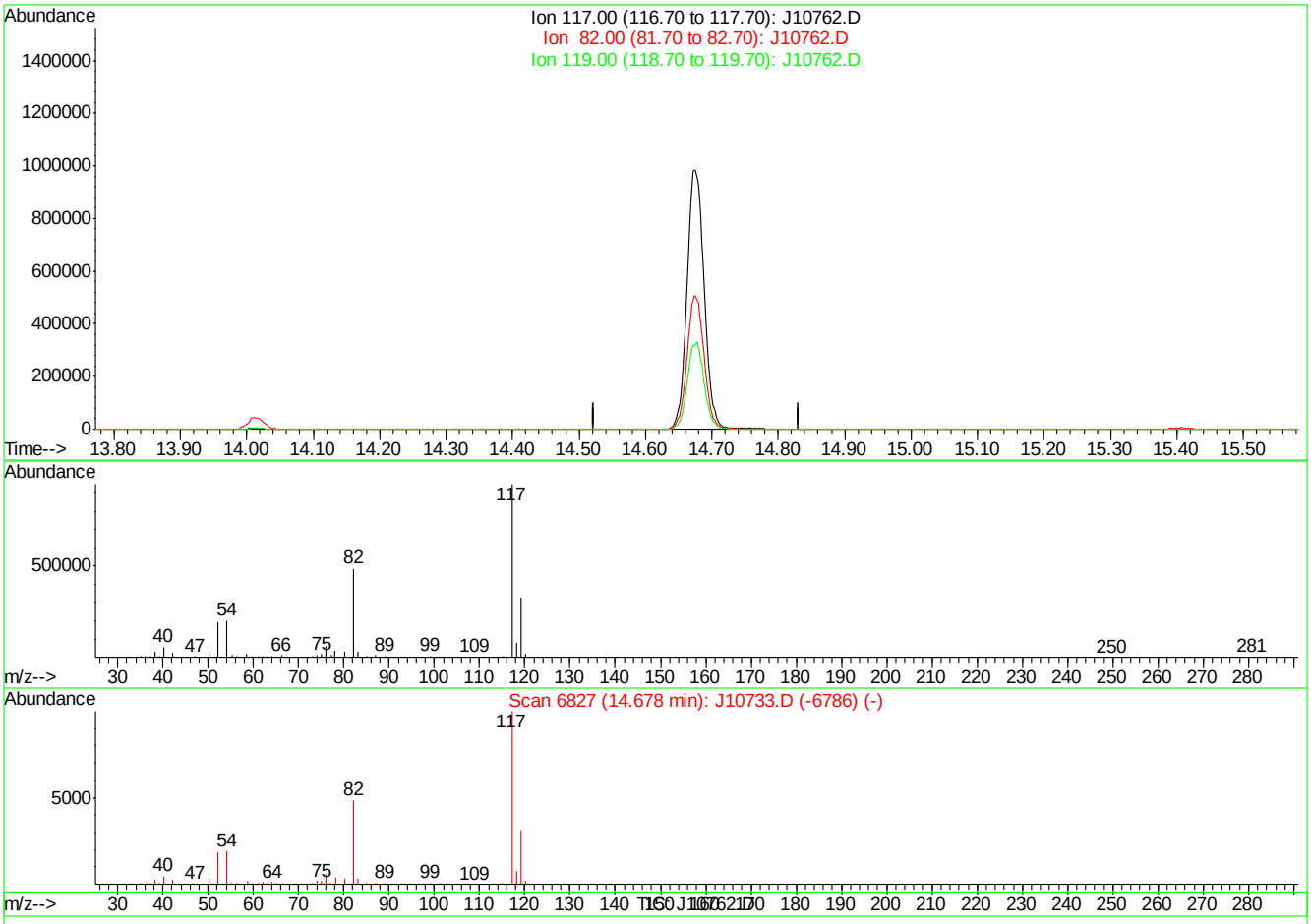


Quantitation Report (Qedit)

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

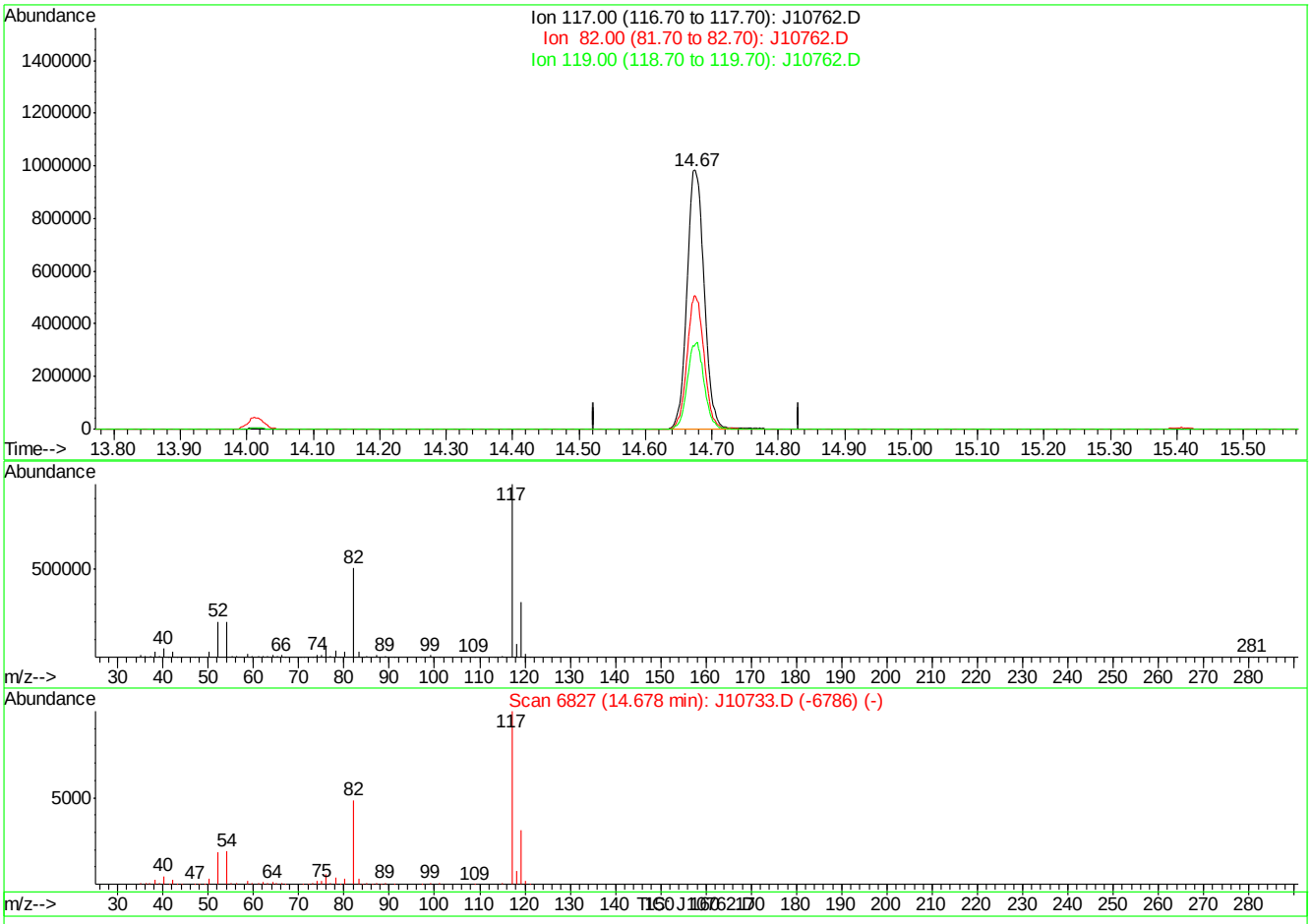
J10762.D J062507T.M Mon Jun 25 15:23:01 2007

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

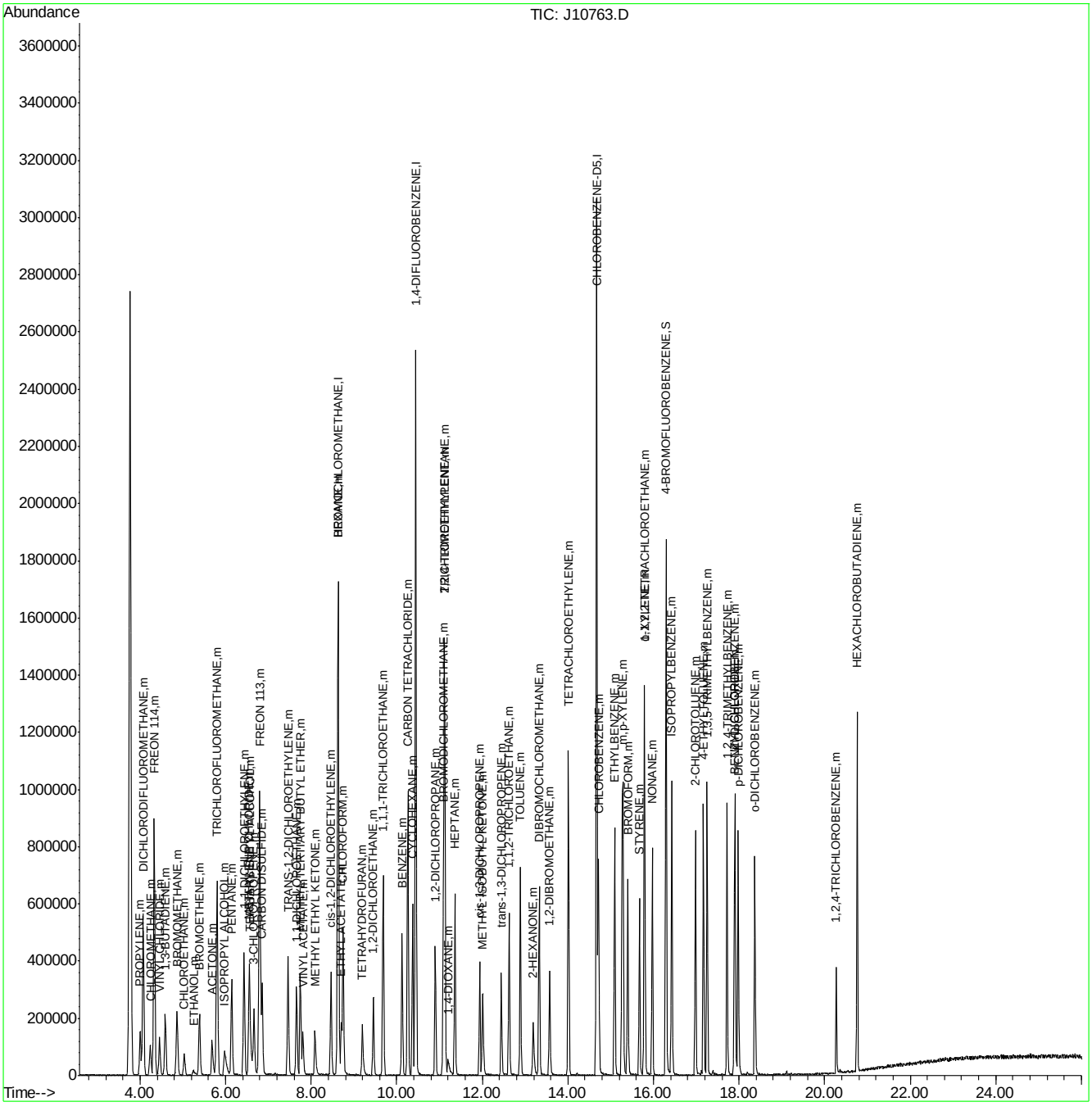
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.01	43	211276	3.49	PPBV	99
45) cis-1,3-DICHLOROPROPENE	11.94	75	196043	4.41	PPBV	98
46) TOLUENE	12.89	92	283875	4.43	PPBV	98
47) trans-1,3-DICHLOROPROPENE	12.44	75	185278	4.43	PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.63	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



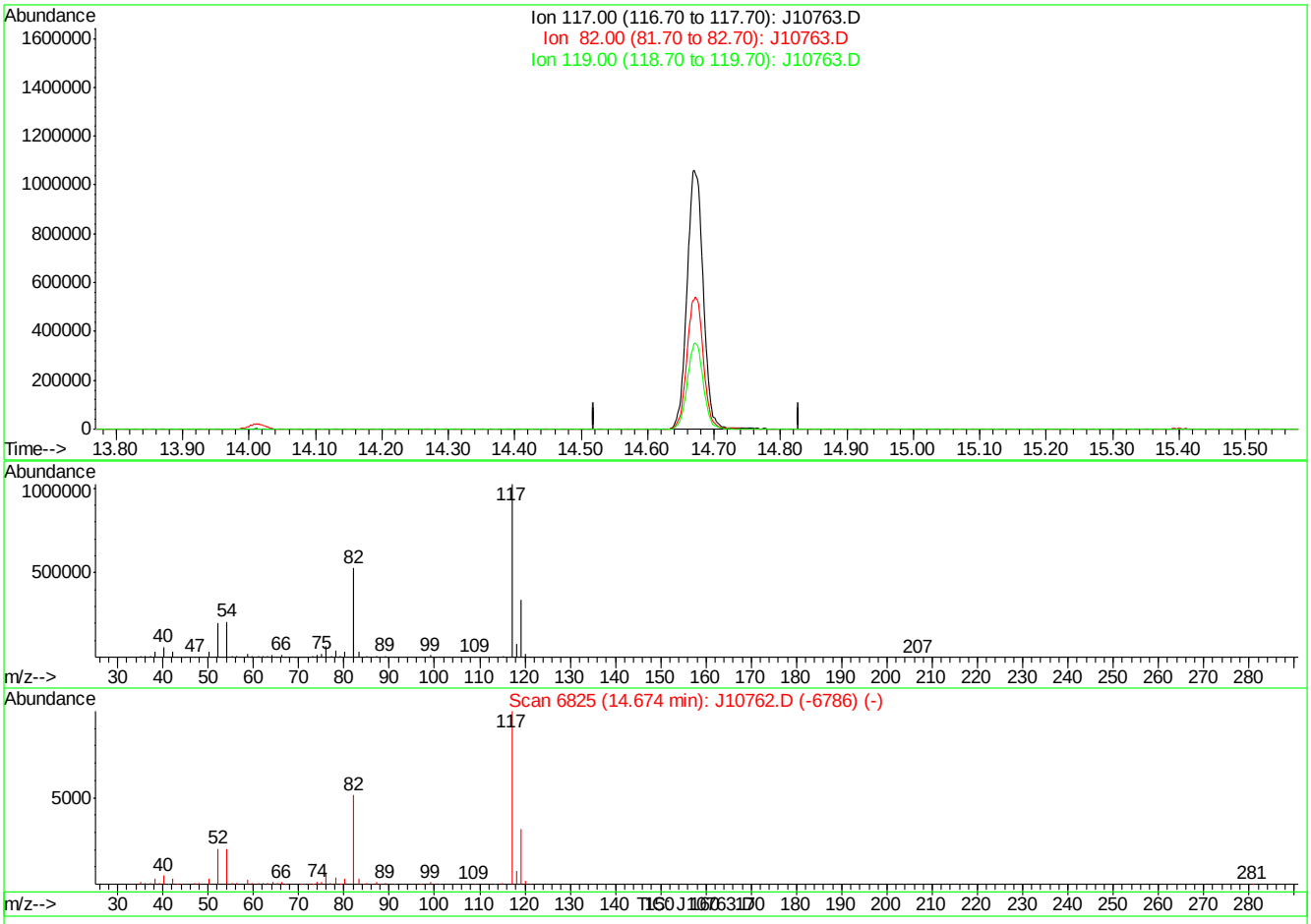
ACCUTEST Laboratories M67847

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

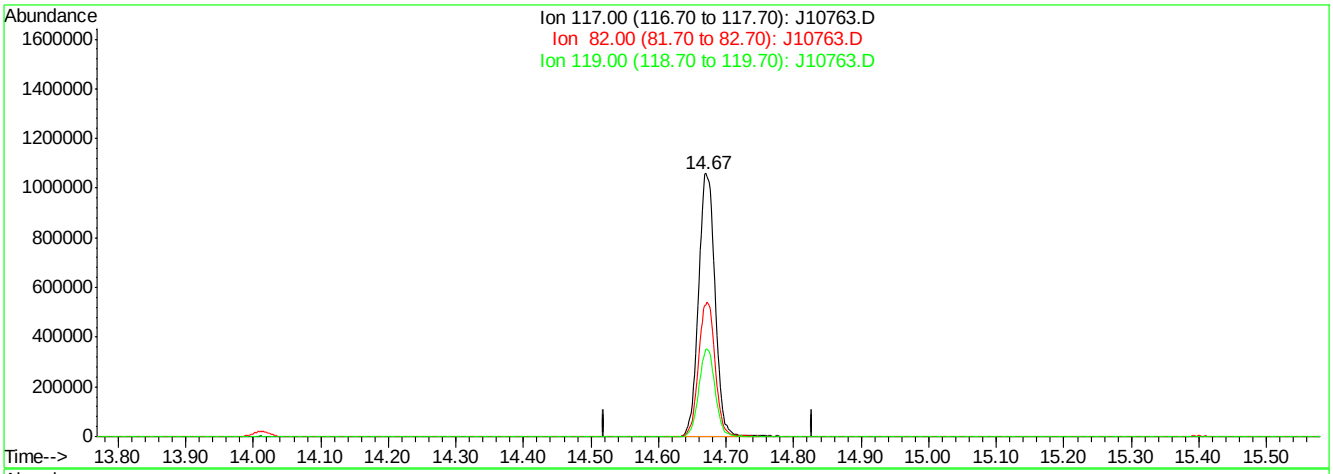
J10763.D J062507T.M Mon Jun 25 16:23:06 2007

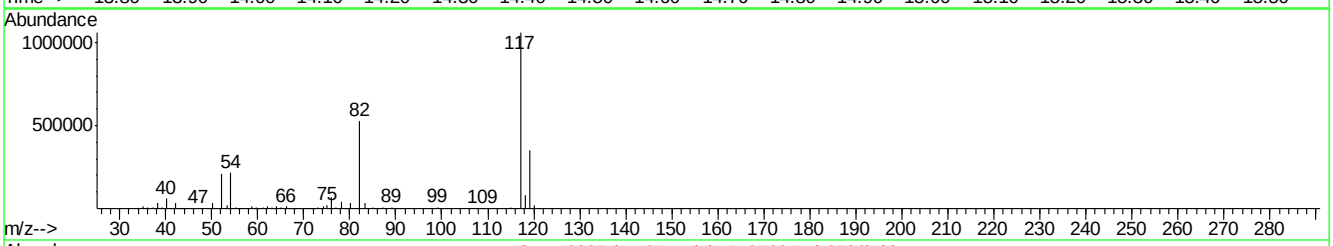
Quantitation Report (Qedit)

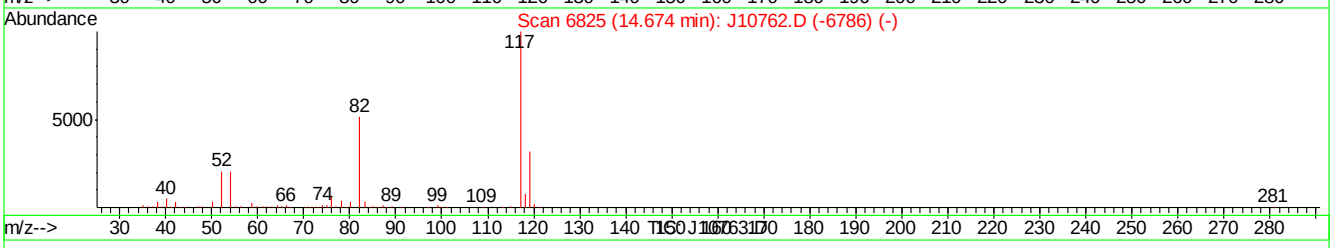
Data File : C:\MSDChem\1\data\J10763.D Vial: 3
Acq On : 25 Jun 2007 3:34 pm Operator: danat
Sample : ic557-5 (m172) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

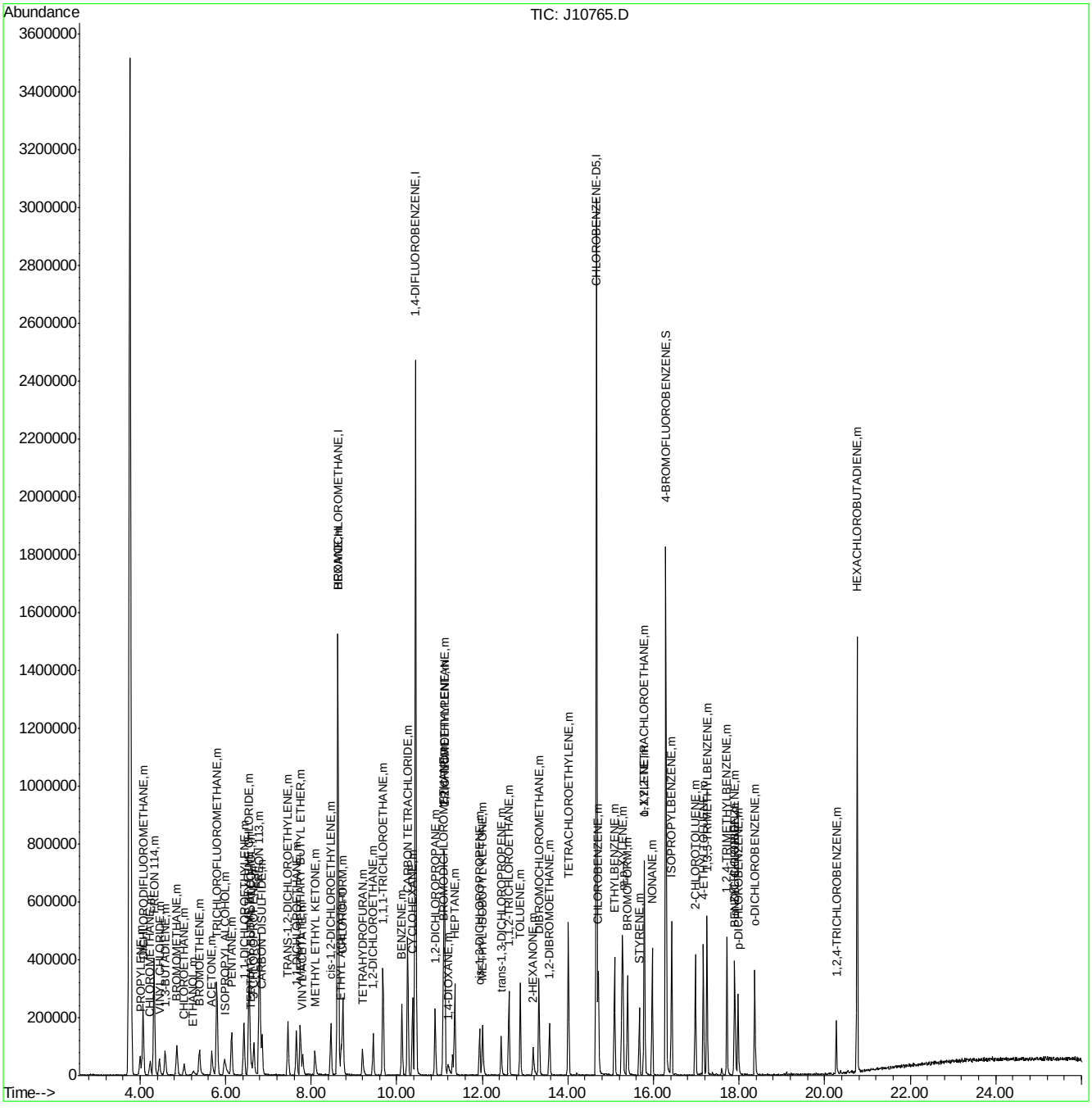
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.00	43	114732	2.11	PPBV	96
45) cis-1,3-DICHLOROPROPENE	11.94	75	78476	2.34	PPBV	98
46) TOLUENE	12.88	92	121156	2.03	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.44	75	66797	2.34	PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.62	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

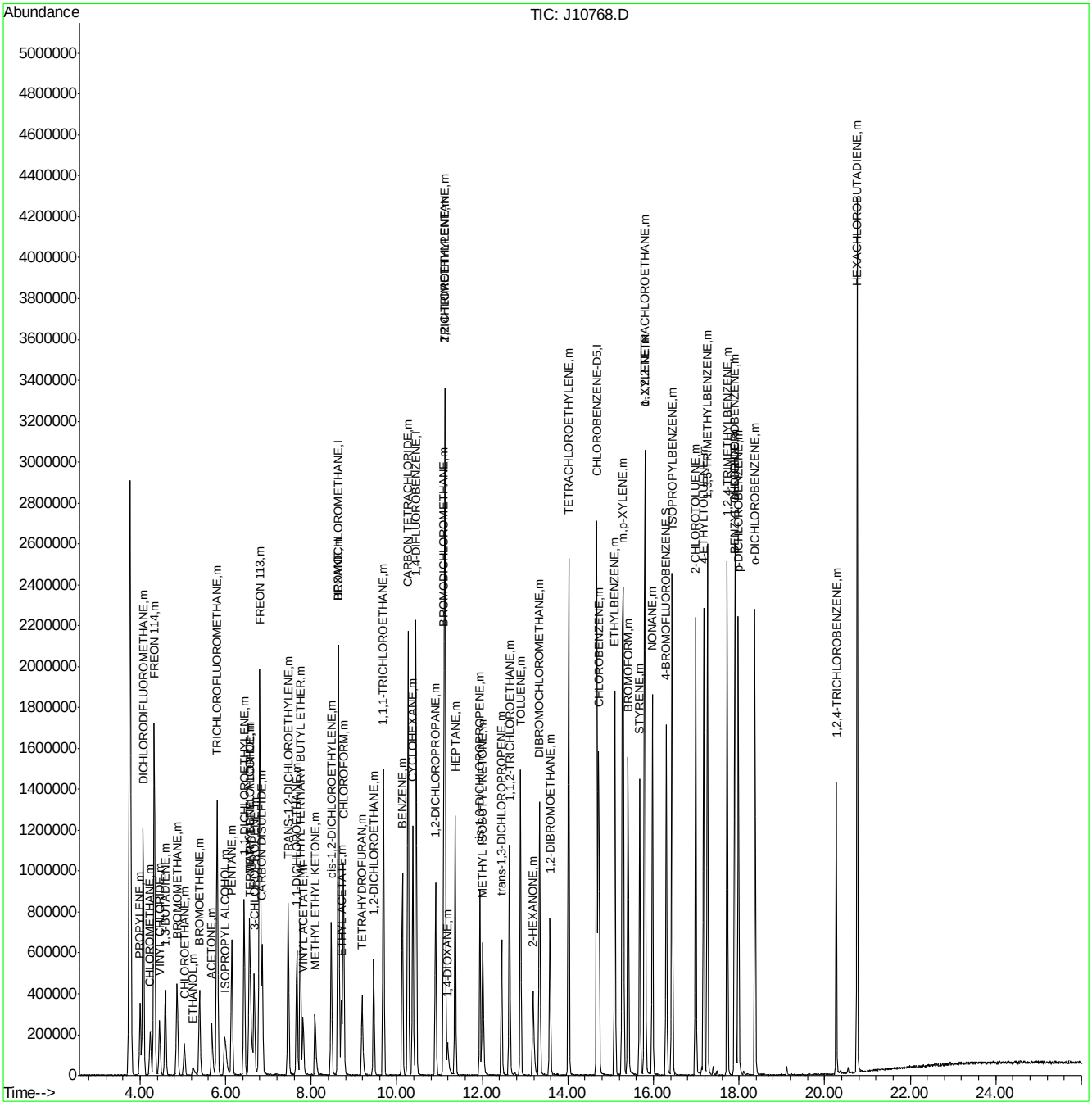
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.01	43	525462	10.45	PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.94	75	449981	9.40	PPBV	98
46) TOLUENE	12.89	92	607046	11.02	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.45	75	363600	8.70	PPBV	98
48) 1,1,2-TRICHLOROETHANE	12.63	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



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

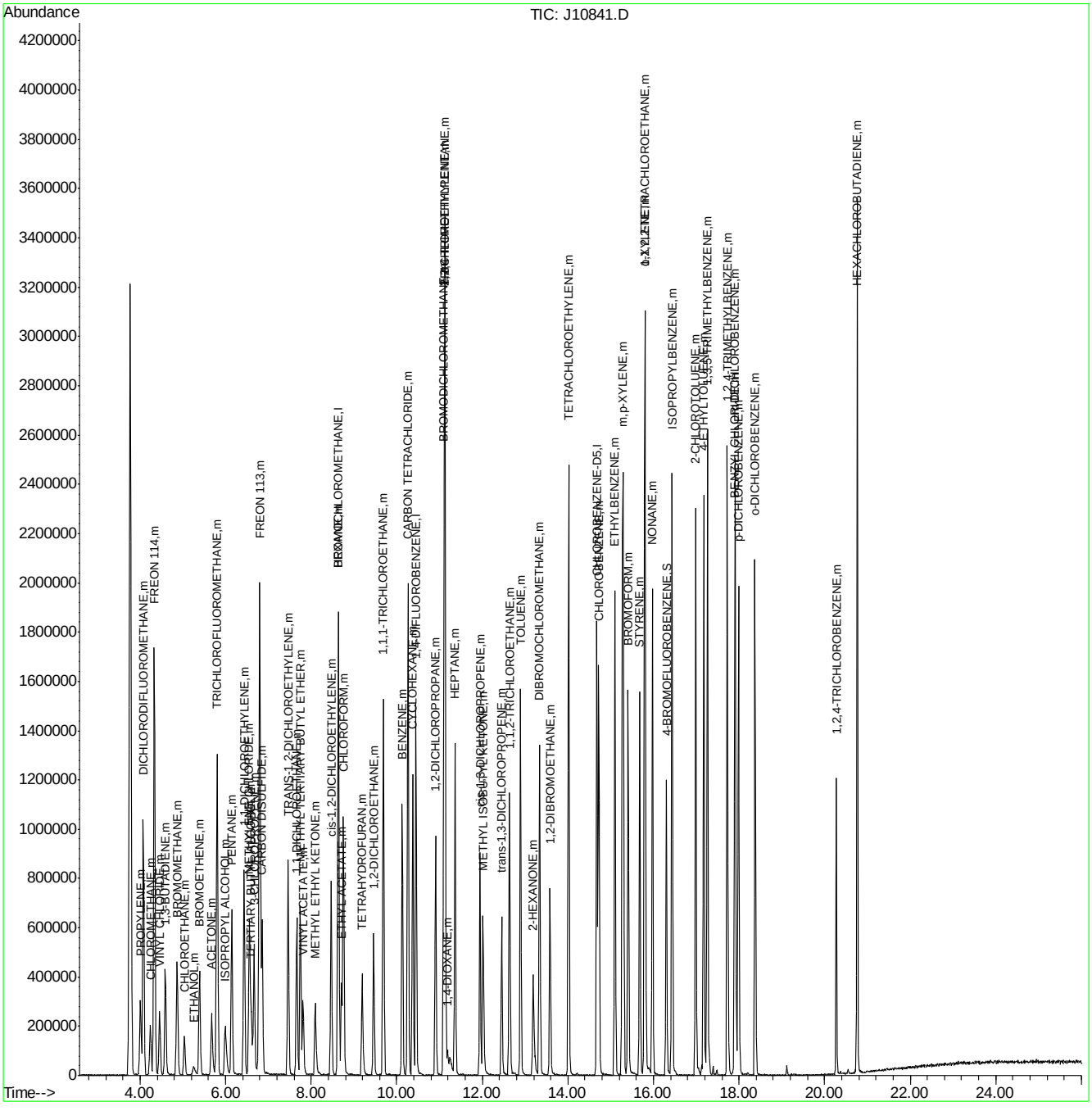
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.01	43	539941	15.25	PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.94	75	468418	13.44	PPBV	99
46) TOLUENE	12.89	92	670460	17.30	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.45	75	367062	10.82	PPBV	100
48) 1,1,2-TRICHLOROETHANE	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

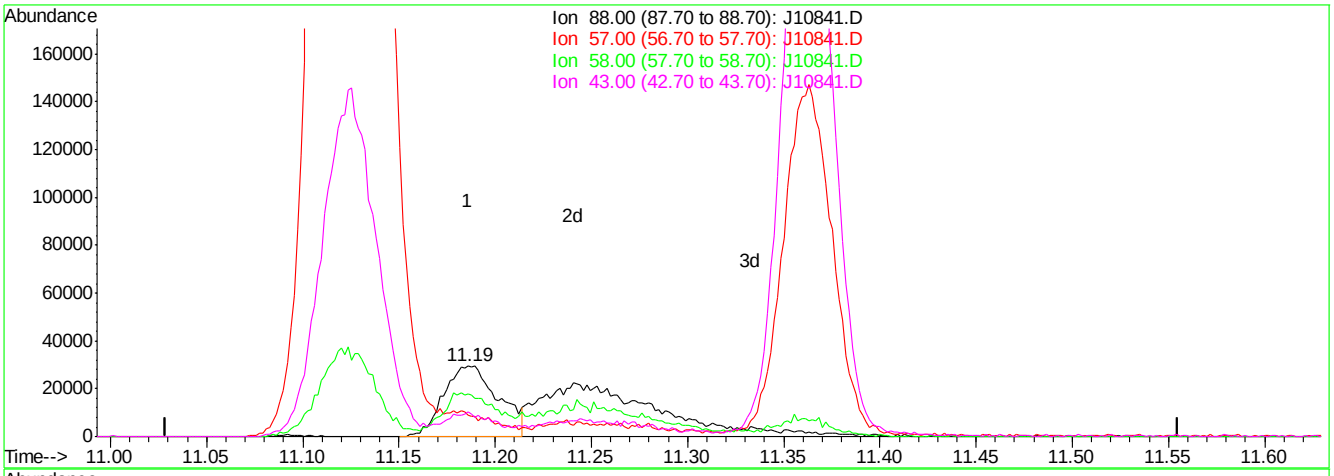


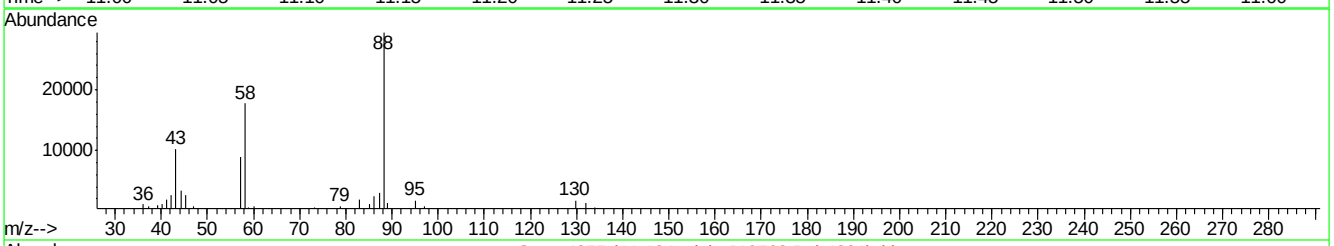
Quantitation Report (Qedit)

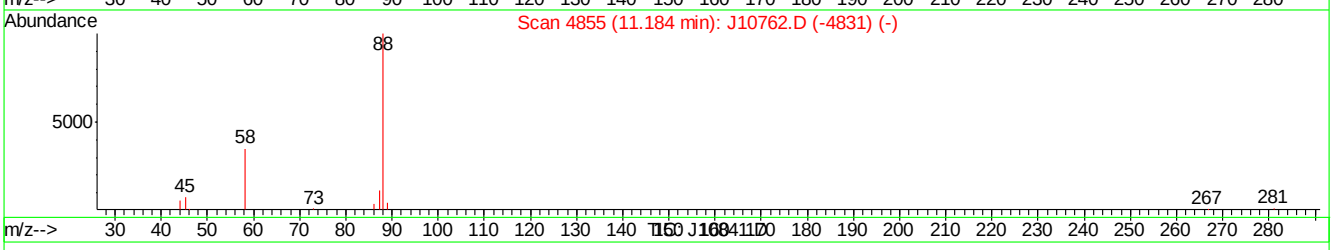
Data File : C:\MSDChem\1\data\J10841.D Vial: 1
Acq On : 3 Jul 2007 11:46 am Operator: danat
Sample : cc557-10 (M080) Inst : MSJ
Misc : MS13762, MSJ561,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

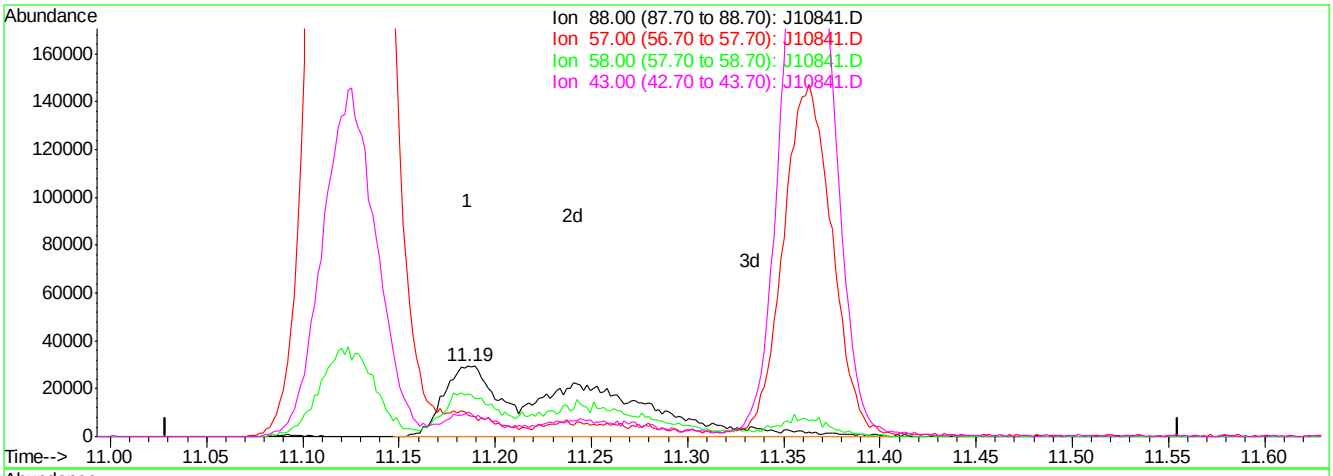
J10841.D J062507T.M Thu Jul 05 17:19:09 2007

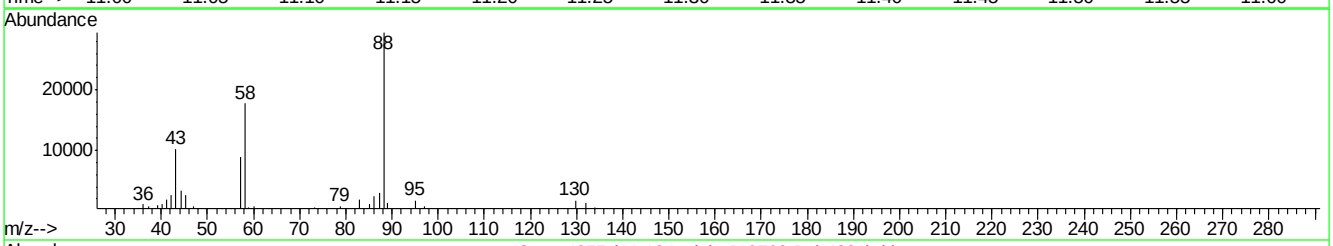
Quantitation Report (Qedit)

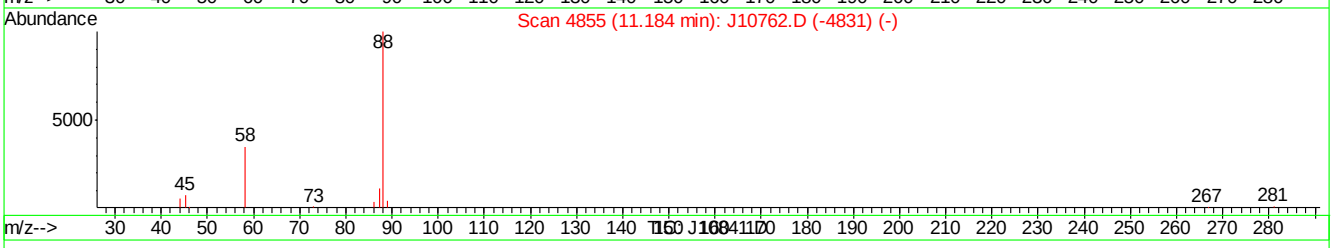
Data File : C:\MSDChem\1\data\J10841.D Vial: 1
Acq On : 3 Jul 2007 11:46 am Operator: danat
Sample : cc557-10 (M080) Inst : MSJ
Misc : MS13762, MSJ561,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

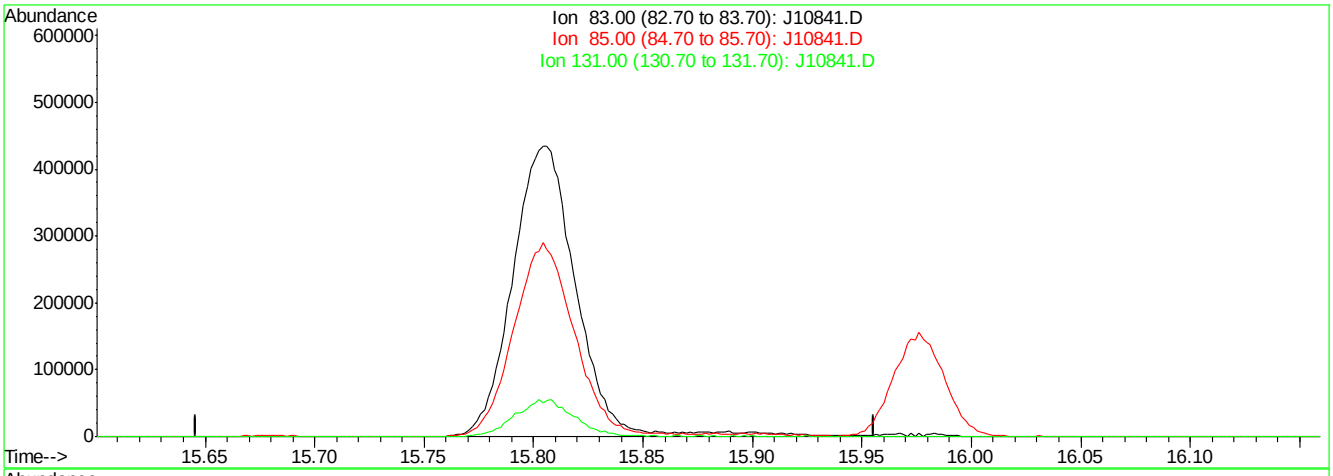
J10841.D J062507T.M Thu Jul 05 17:19:21 2007

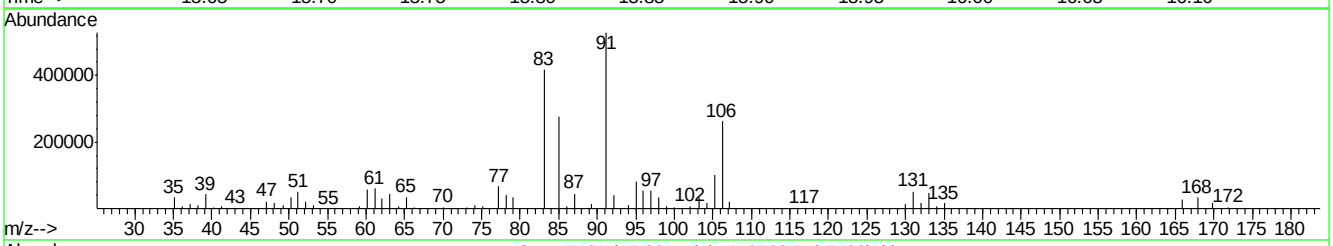
Quantitation Report (Qedit)

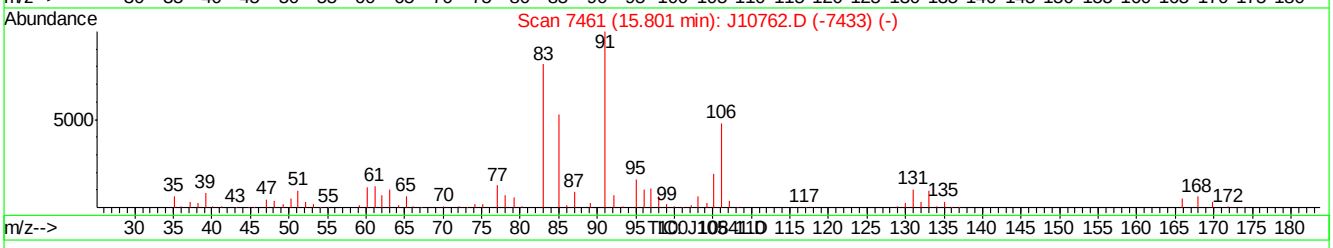
Data File : C:\MSDChem\1\data\J10841.D Vial: 1
Acq On : 3 Jul 2007 11:46 am Operator: danat
Sample : cc557-10 (M080) Inst : MSJ
Misc : MS13762, MSJ561,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

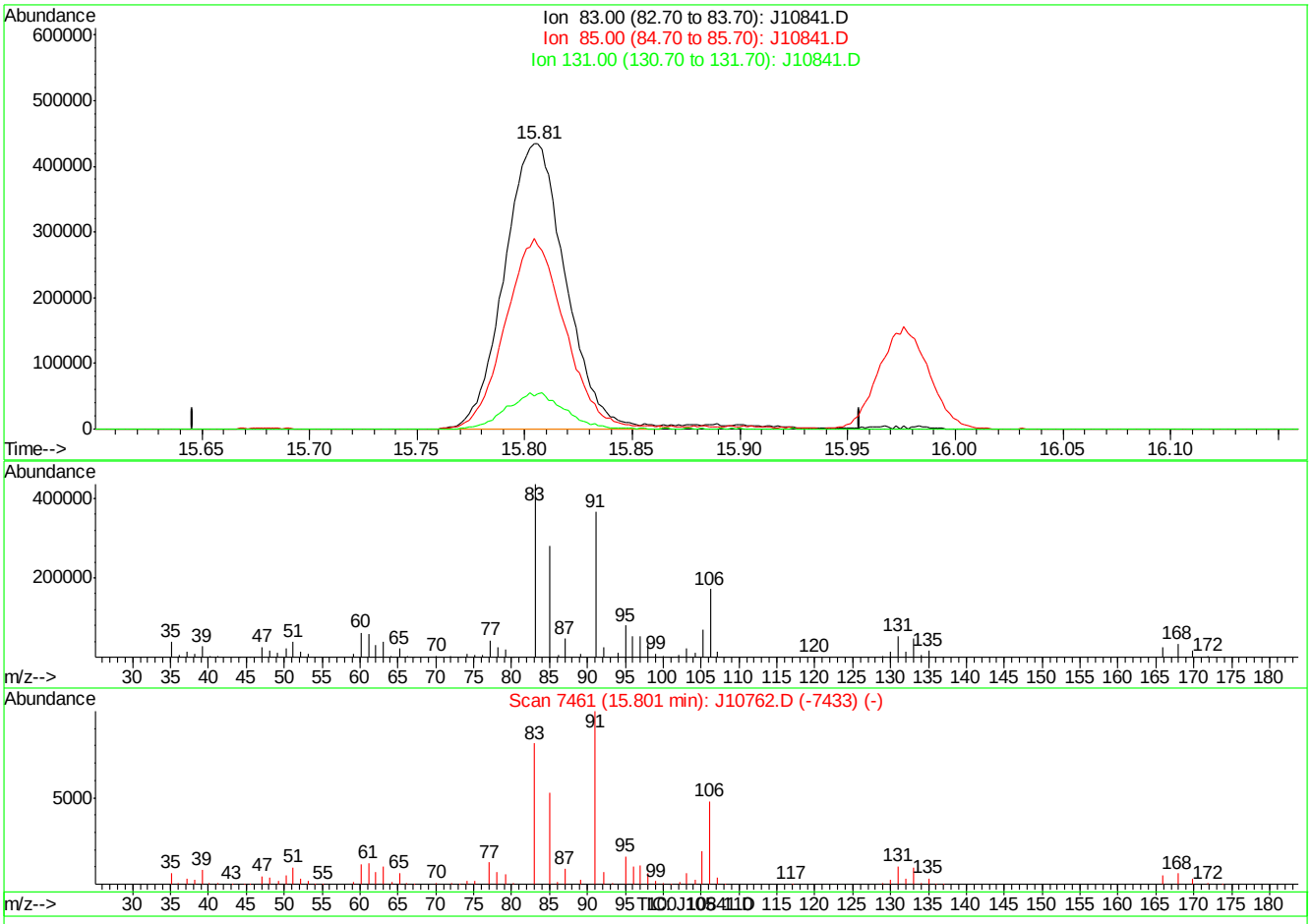
J10841.D J062507T.M Thu Jul 05 17:19:39 2007

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)
Doug Yargeau
07/11/07 09:41

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10860.D
Acq On : 5 Jul 2007 10:47 am
Operator : danat
Sample : ic562-0.5 (M210)
Misc : MS13866, MSJ562,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 05 11:29:12 2007
Quant Method : C:\MSDCHEM\1\METHODS\J070507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jul 05 11:24:31 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	309281	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.44	114	1310708	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.67	117	1115339	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.29	95	310811	4.41	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 88.20%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.06	85	58883	0.53	PPBV	97
3) PROPYLENE	4.00	41	7610	0.47	PPBV	95
4) FREON 114	4.33	85	51934	0.54	PPBV	95
5) CHLOROMETHANE	4.23	50	13702	0.57	PPBV	98
6) VINYL CHLORIDE	4.45	62	15292	0.56	PPBV #	54
7) 1,3-BUTADIENE	4.58	39	9645	0.50	PPBV	90
8) BROMOMETHANE	4.86	94	16317	0.53	PPBV	96
9) CHLOROETHANE	5.03	64	6594	0.52	PPBV	80
10) TRICHLOROFLUOROMETHANE	5.79	101	57690	0.50	PPBV	99
11) ISOPROPYL ALCOHOL	6.07	45	16583m	0.47	PPBV	
12) ACETONE	5.69	43	24290	0.41	PPBV	83
13) PENTANE	6.13	42	12834	0.45	PPBV	91
14) 1,1-DICHLOROETHYLENE	6.43	96	12786	0.43	PPBV	97
15) CARBON DISULFIDE	6.84	76	48612	0.54	PPBV	96
16) ETHANOL	5.32	45	847m	0.14	PPBV	
17) BROMOETHENE	5.38	106	11653	0.39	PPBV	98
18) METHYLENE CHLORIDE	6.55	84	32235	0.58	PPBV	93
19) 3-CHLOROPROPENE	6.66	39	10218	0.44	PPBV	90
20) FREON 113	6.79	151	37857	0.52	PPBV	95
21) TRANS-1,2-DICHLOROETHYLENE	7.45	96	13859	0.49	PPBV	99
22) TERTIARY BUTYL ALCOHOL	6.69	59	12447m	0.32	PPBV	
23) METHYL TERTIARY BUTYL ETHE	7.75	73	20442	0.35	PPBV	95
24) TETRAHYDROFURAN	9.23	42	5371m	0.30	PPBV	
25) HEXANE	8.63	57	18926	0.53	PPBV	87
26) VINYL ACETATE	7.81	43	12485	0.32	PPBV	74
27) 1,1-DICHLOROETHANE	7.65	63	26691	0.54	PPBV	98
28) METHYL ETHYL KETONE	8.10	43	20284m	0.54	PPBV	
29) cis-1,2-DICHLOROETHYLENE	8.46	96	13416	0.49	PPBV	98
30) ETHYL ACETATE	8.71	43	20867	0.54	PPBV #	94
31) CHLOROFORM	8.74	83	38336	0.55	PPBV	98
32) 1,1,1-TRICHLOROETHANE	9.68	97	40329	0.50	PPBV	97
33) CARBON TETRACHLORIDE	10.25	117	51116	0.51	PPBV	96
34) 1,2-DICHLOROETHANE	9.45	62	19128	0.48	PPBV	96
36) BENZENE	10.12	78	26821	0.44	PPBV	98
37) CYCLOHEXANE	10.37	84	8898	0.30	PPBV	94
38) TRICHLOROETHYLENE	11.11	95	16401	0.48	PPBV	91
39) 1,2-DICHLOROPROPANE	10.90	63	9846	0.47	PPBV	97
40) BROMODICHLOROMETHANE	11.09	83	31966	0.52	PPBV	97
41) 2,2,4-TRIMETHYLPENTANE	11.12	57	34764	0.37	PPBV	88
42) 1,4-DIOXANE	11.28	88	1834m	0.16	PPBV	
43) HEPTANE	11.36	43	12719	0.43	PPBV	91

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10860.D
Acq On : 5 Jul 2007 10:47 am
Operator : danat
Sample : ic562-0.5 (M210)
Misc : MS13866, MSJ562,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 05 11:29:12 2007
Quant Method : C:\MSDCHEM\1\METHODS\J070507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jul 05 11:24:31 2007
Response via : Initial Calibration

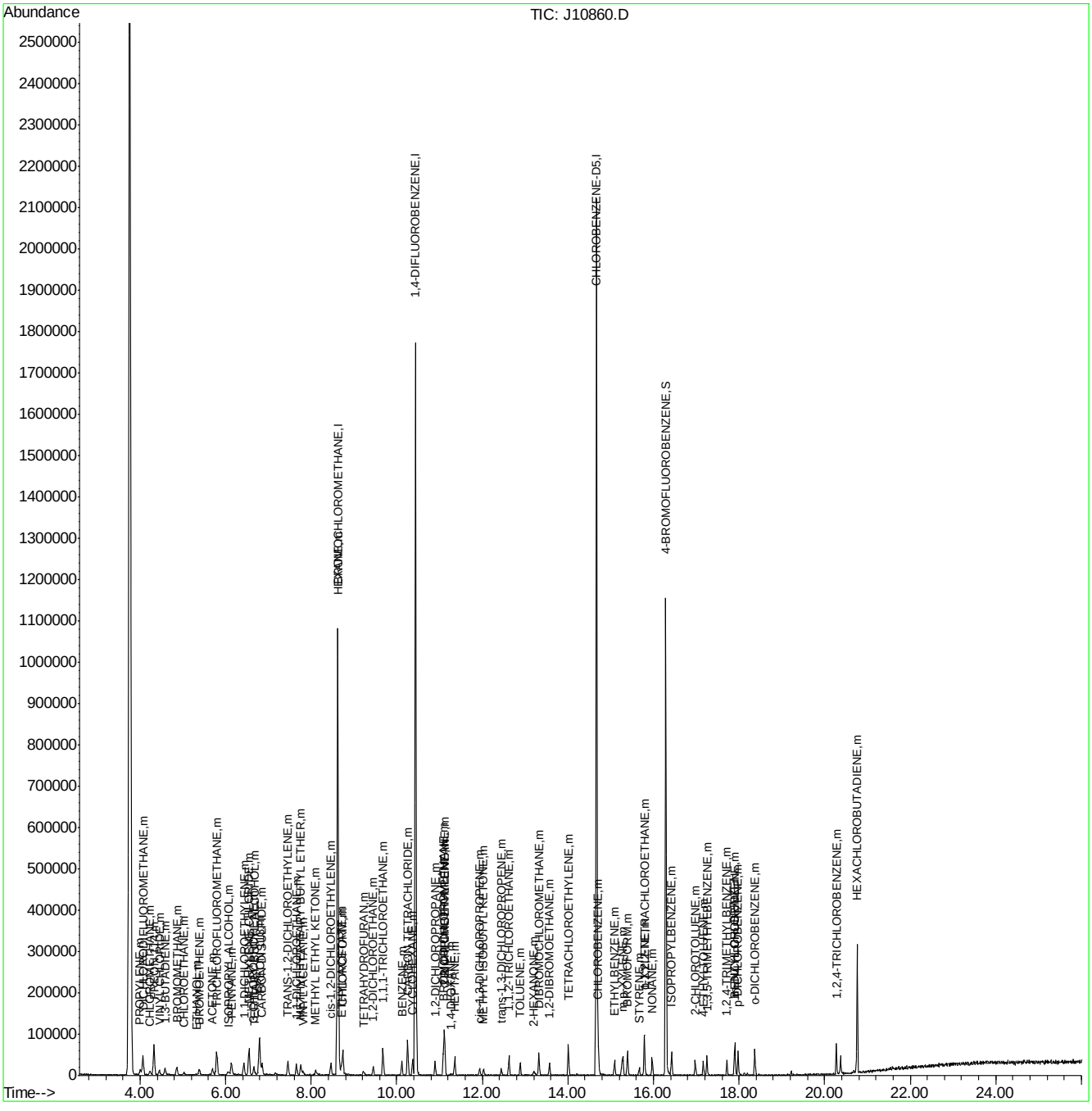
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.02	43	12485	0.34	PPBV	80
45) cis-1,3-DICHLOROPROPENE	11.94	75	9289	0.33	PPBV	92
46) TOLUENE	12.88	92	12463	0.31	PPBV	96
47) trans-1,3-DICHLOROPROPENE	12.44	75	8100	0.31	PPBV	91
48) 1,1,2-TRICHLOROETHANE	12.62	83	10909	0.49	PPBV	96
50) 2-HEXANONE	13.20	43	10674	0.40	PPBV #	70
51) TETRACHLOROETHYLENE	14.01	164	16591	0.45	PPBV	99
52) DIBROMOCHLOROMETHANE	13.32	129	28641	0.52	PPBV	98
53) 1,2-DIBROMOETHANE	13.57	107	18292	0.50	PPBV	98
54) CHLOROBENZENE	14.71	112	31570	0.54	PPBV	99
55) ETHYLBENZENE	15.09	91	23865	0.31	PPBV	94
56) m,p-XYLENE	15.27	106	18708	0.59	PPBV #	81
57) o-XYLENE	15.78	106	9506	0.31	PPBV	96
58) STYRENE	15.67	104	9469	0.25	PPBV	96
59) NONANE	15.97	43	10517	0.29	PPBV	93
60) BROMOFORM	15.39	173	27506	0.52	PPBV	96
62) 1,1,2,2-TETRACHLOROETHANE	15.79	83	31385	0.66	PPBV	92
63) ISOPROPYLBENZENE	16.42	105	31529	0.35	PPBV	96
64) 2-CHLOROTOLUENE	16.98	91	19425	0.32	PPBV	99
65) 4-ETHYLTOLUENE	17.16	105	20141	0.27	PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.25	105	23617	0.34	PPBV	94
67) 1,2,4-TRIMETHYLBENZENE	17.72	105	17005	0.28	PPBV	93
68) m-DICHLOROBENZENE	17.90	146	27431	0.58	PPBV	98
69) BENZYL CHLORIDE	17.89	91	17693	0.48	PPBV	97
70) p-DICHLOROBENZENE	17.98	146	21701	0.51	PPBV	93
71) o-DICHLOROBENZENE	18.37	146	25627	0.61	PPBV	96
72) HEXACHLOROBUTADIENE	20.76	225	51263	1.27	PPBV	98
73) 1,2,4-TRICHLOROBENZENE	20.28	180	20594	1.20	PPBV	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10860.D
Acq On : 5 Jul 2007 10:47 am
Operator : danat
Sample : ic562-0.5 (M210)
Misc : MS13866, MSJ562,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 05 11:29:12 2007
Quant Method : C:\MSDCHEM\1\METHODS\J070507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jul 05 11:24:31 2007
Response via : Initial Calibration



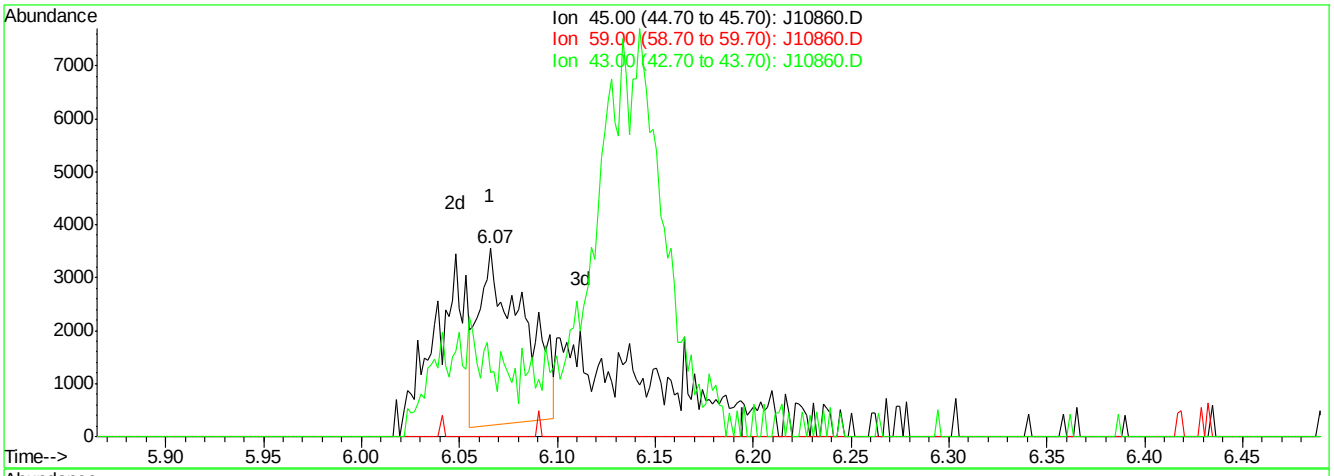
ACCUTEST Laboratories
M67847

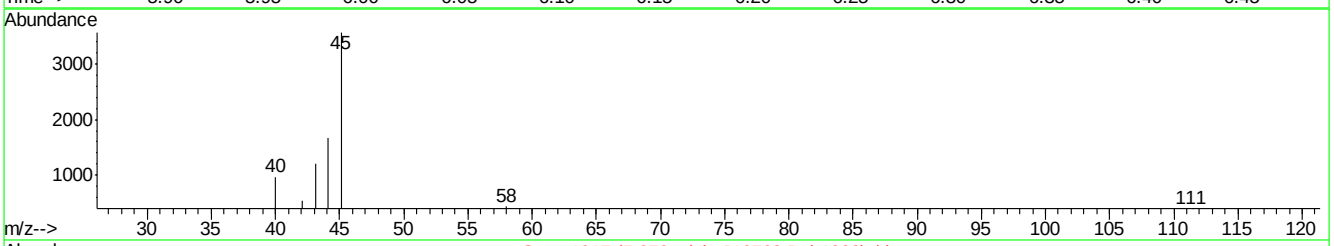
Quantitation Report (Qedit)

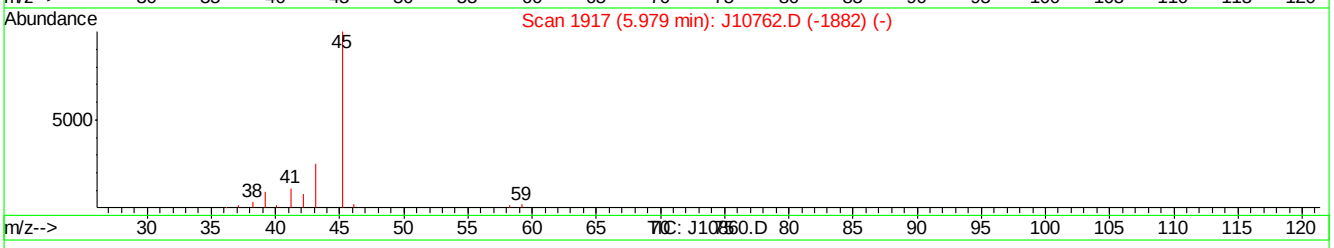
Data File : C:\MSDChem\1\data\J10860.D Vial: 1
Acq On : 5 Jul 2007 10:47 am Operator: danat
Sample : ic562-0.5 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 11:24:40 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration







(11) ISOPROPYL ALCOHOL (m)

6.07min 0.15PPBV

response 5209

Ion	Exp%	Act%
45.00	100	100
59.00	2.20	0.00
43.00	25.50	34.10
0.00	0.00	0.00

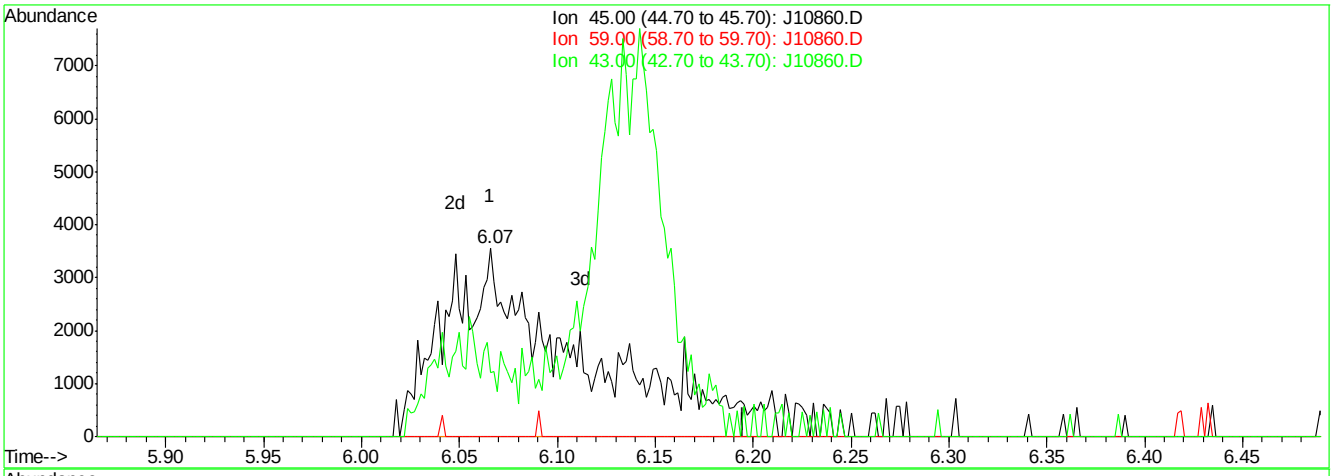
J10860.D J070507T.M Thu Jul 05 11:26:38 2007

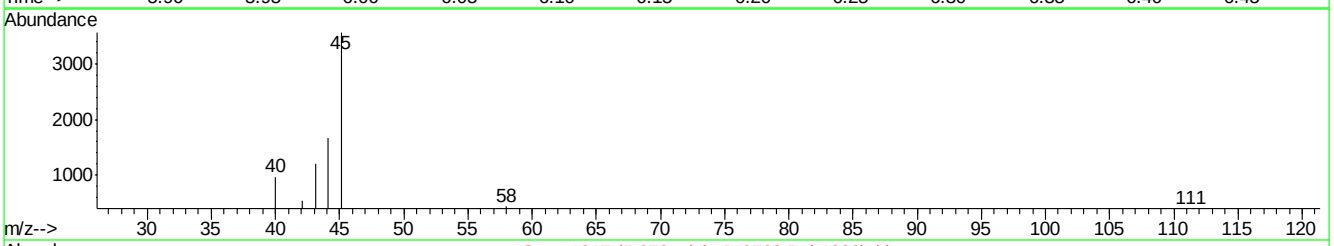
Quantitation Report (Qedit)

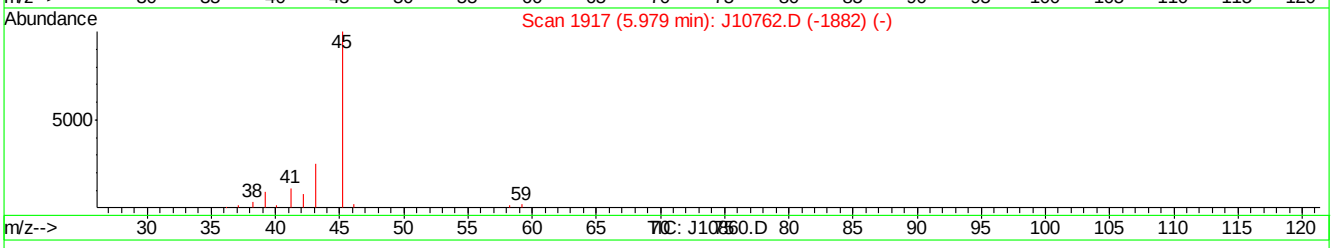
Data File : C:\MSDChem\1\data\J10860.D Vial: 1
Acq On : 5 Jul 2007 10:47 am Operator: danat
Sample : ic562-0.5 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 11:24:40 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration







(11) ISOPROPYL ALCOHOL (m)

6.07min 0.47PPBV m

response 16583

Ion	Exp%	Act%
45.00	100	100
59.00	2.20	0.00
43.00	25.50	34.10
0.00	0.00	0.00

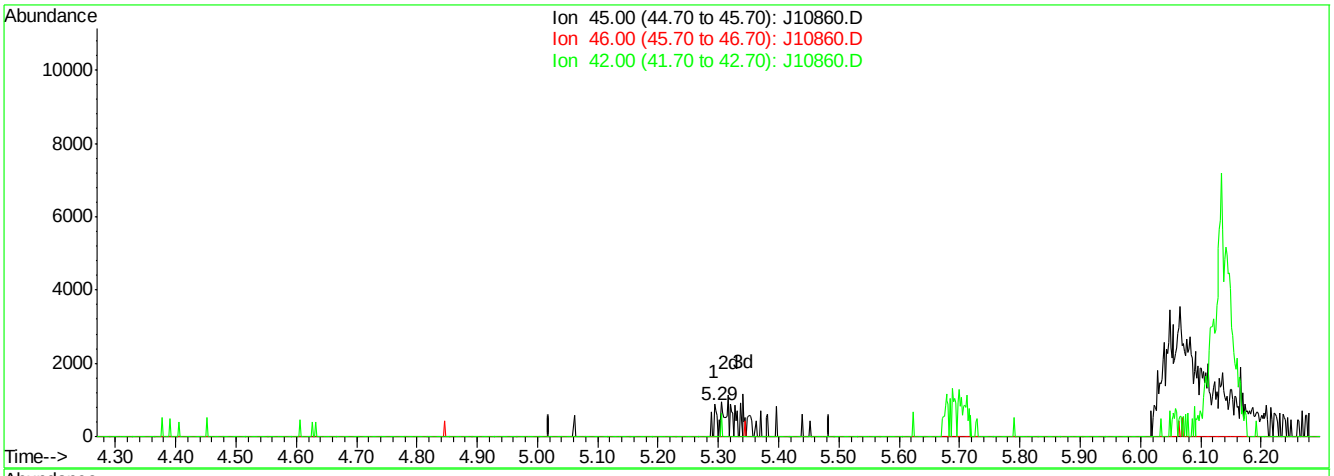
J10860.D J070507T.M Thu Jul 05 11:26:48 2007

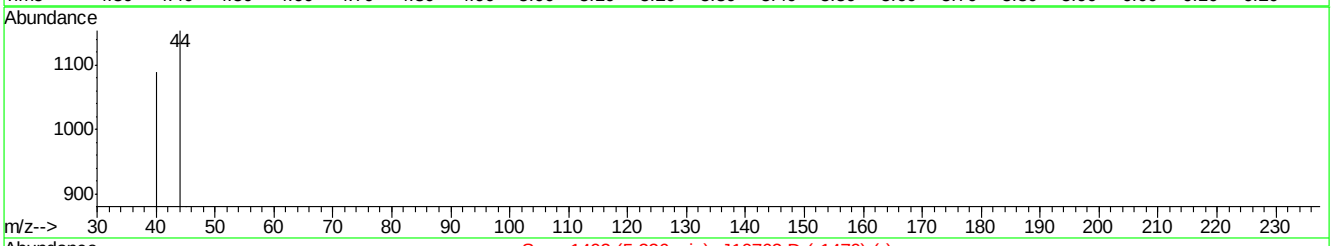
Quantitation Report (Qedit)

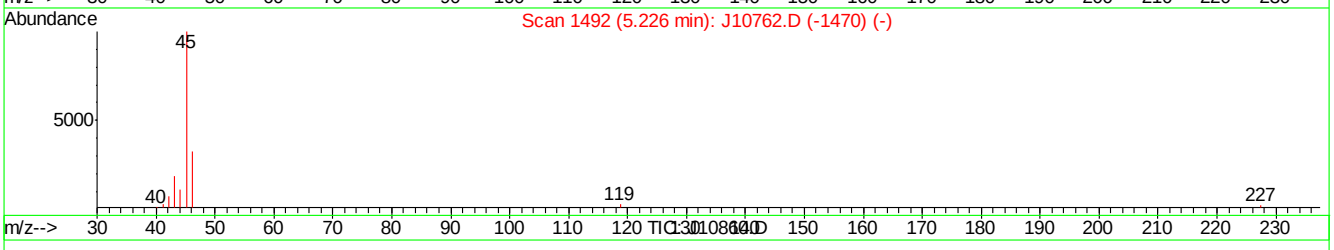
Data File : C:\MSDChem\1\data\J10860.D Vial: 1
Acq On : 5 Jul 2007 10:47 am Operator: danat
Sample : ic562-0.5 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 11:24:40 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration







(16) ETHANOL (m)

5.29min 0.05PPBV

response 306

Ion	Exp%	Act%
45.00	100	100
46.00	34.30	0.00#
42.00	3.50	0.00
0.00	0.00	0.00

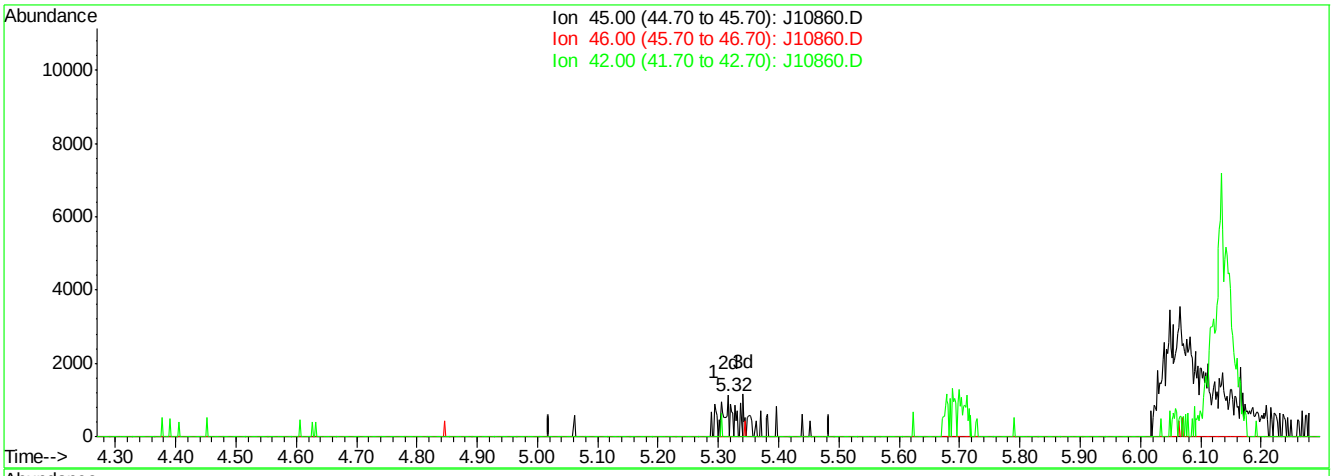
J10860.D J070507T.M Thu Jul 05 11:26:56 2007

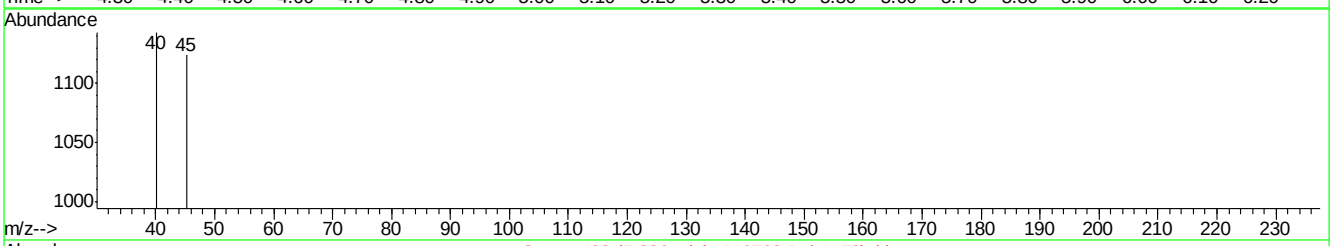
Quantitation Report (Qedit)

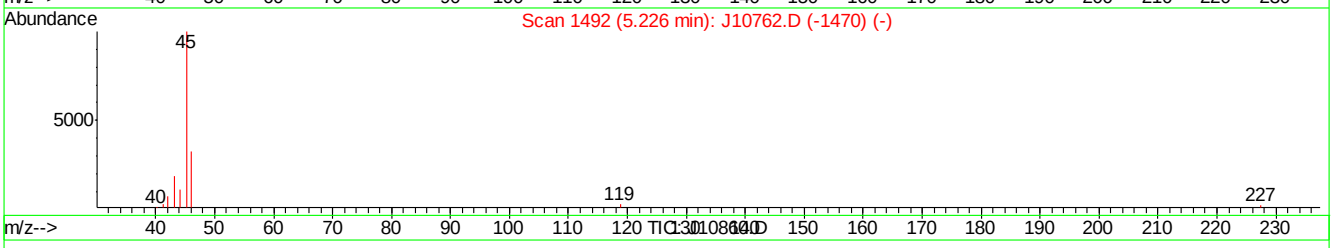
Data File : C:\MSDChem\1\data\J10860.D Vial: 1
Acq On : 5 Jul 2007 10:47 am Operator: danat
Sample : ic562-0.5 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 11:24:40 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration







(16) ETHANOL (m)

5.32min 0.14PPBV m

response 847

Ion	Exp%	Act%
45.00	100	100
46.00	34.30	0.00#
42.00	3.50	0.00
0.00	0.00	0.00

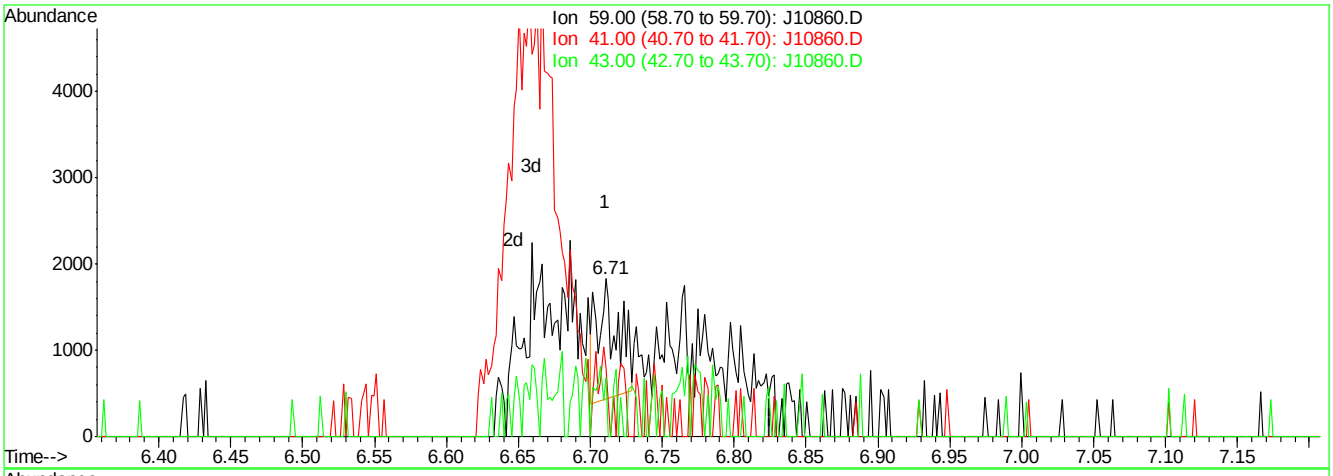
J10860.D J070507T.M Thu Jul 05 11:27:18 2007

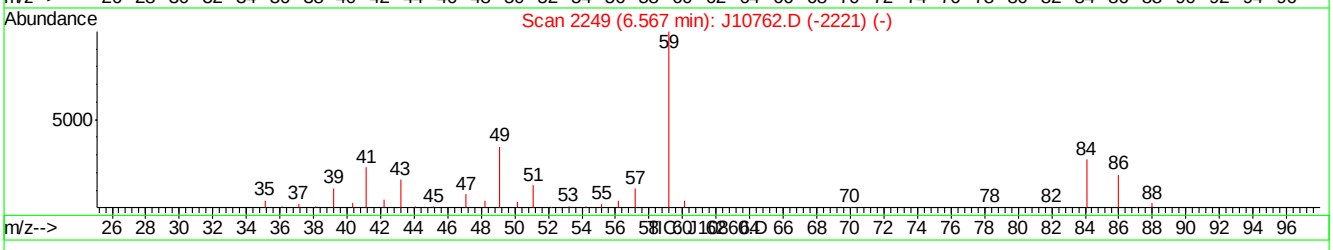
Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10860.D Vial: 1
Acq On : 5 Jul 2007 10:47 am Operator: danat
Sample : ic562-0.5 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 11:24:40 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration





(22) TERTIARY BUTYL ALCOHOL (m)

6.71min 0.03PPBV

response 1343

Ion	Exp%	Act%
59.00	100	100
41.00	22.00	37.97
43.00	17.20	28.82
0.00	0.00	0.00

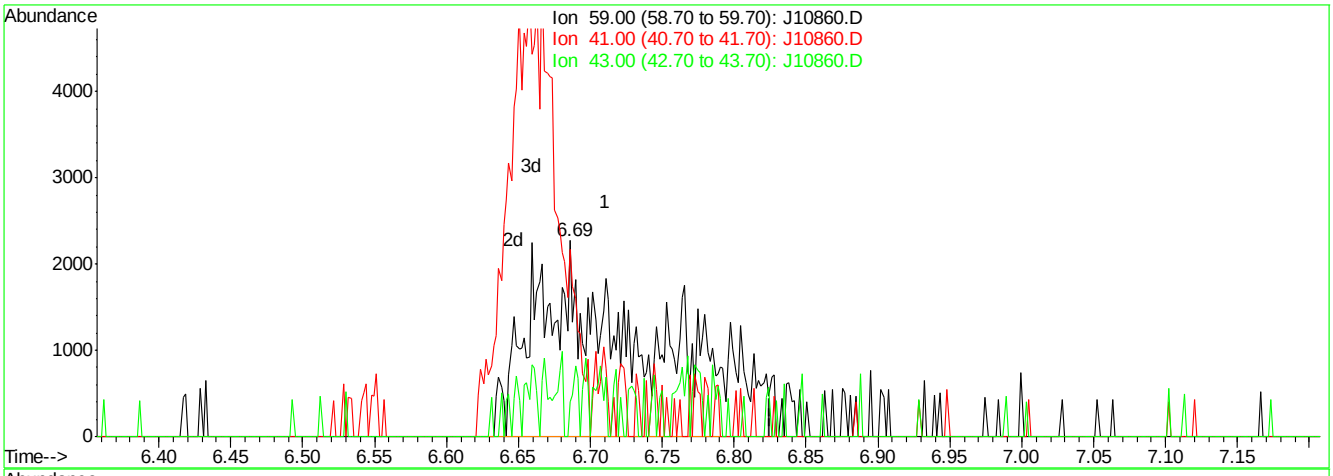
J10860.D J070507T.M Thu Jul 05 11:27:29 2007

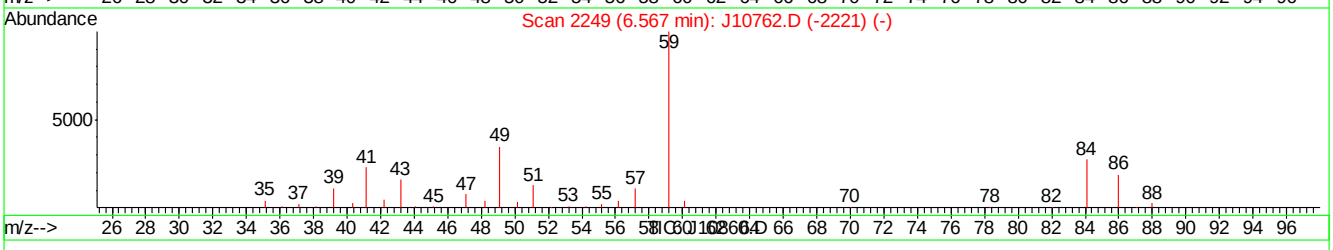
Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10860.D Vial: 1
Acq On : 5 Jul 2007 10:47 am Operator: danat
Sample : ic562-0.5 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 11:24:40 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration





(22) TERTIARY BUTYL ALCOHOL (m)

6.69min 0.32PPBV m

response 12447

Ion	Exp%	Act%
59.00	100	100
41.00	22.00	4.10
43.00	17.20	3.11
0.00	0.00	0.00

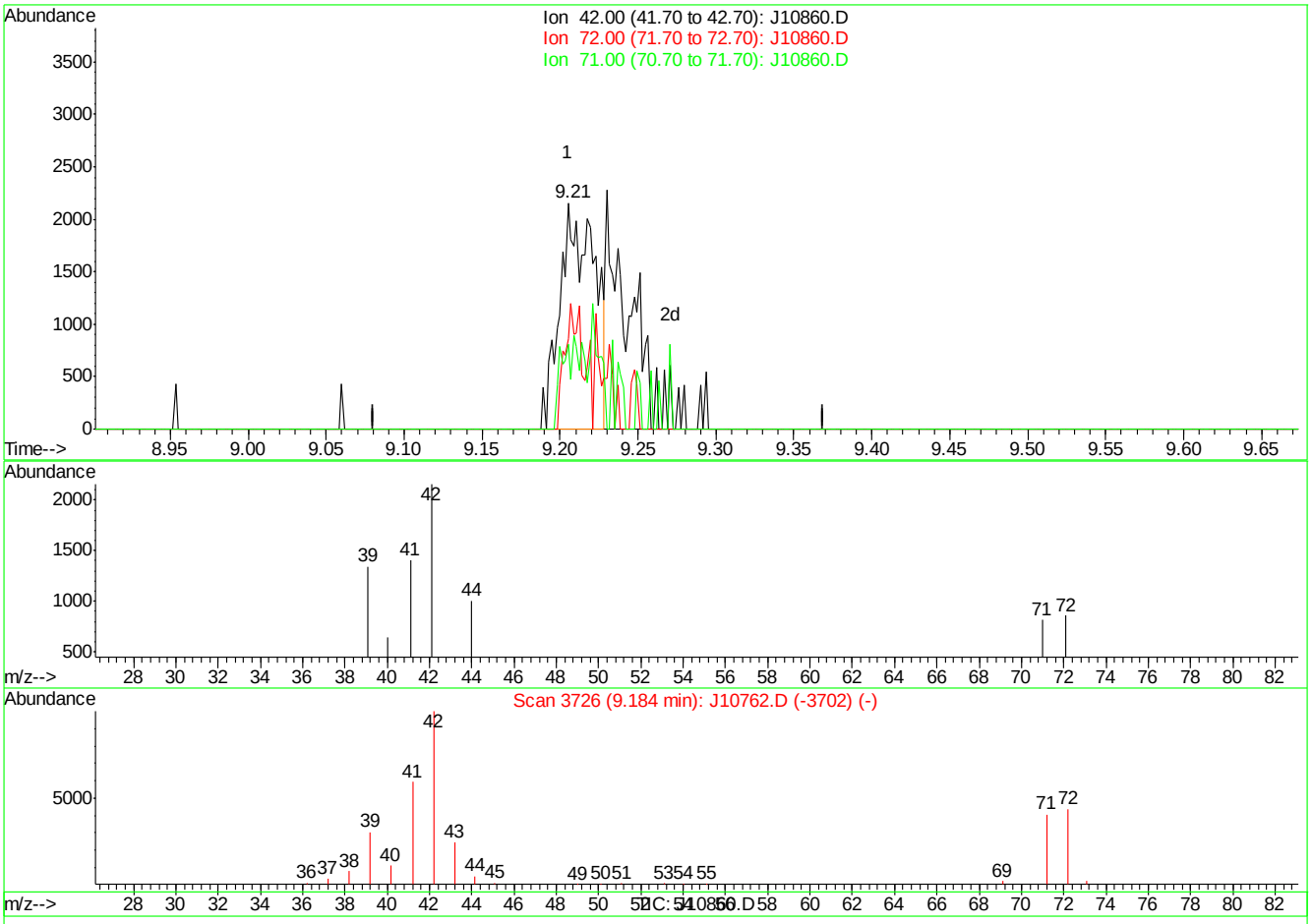
J10860.D J070507T.M Thu Jul 05 11:27:45 2007

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10860.D Vial: 1
Acq On : 5 Jul 2007 10:47 am Operator: danat
Sample : ic562-0.5 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 11:24:40 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration



(24) TETRAHYDROFURAN (m)

9.21min 0.19PPBV

response 3316

Ion	Exp%	Act%
42.00	100	100
72.00	46.60	29.98
71.00	46.70	12.03#
0.00	0.00	0.00

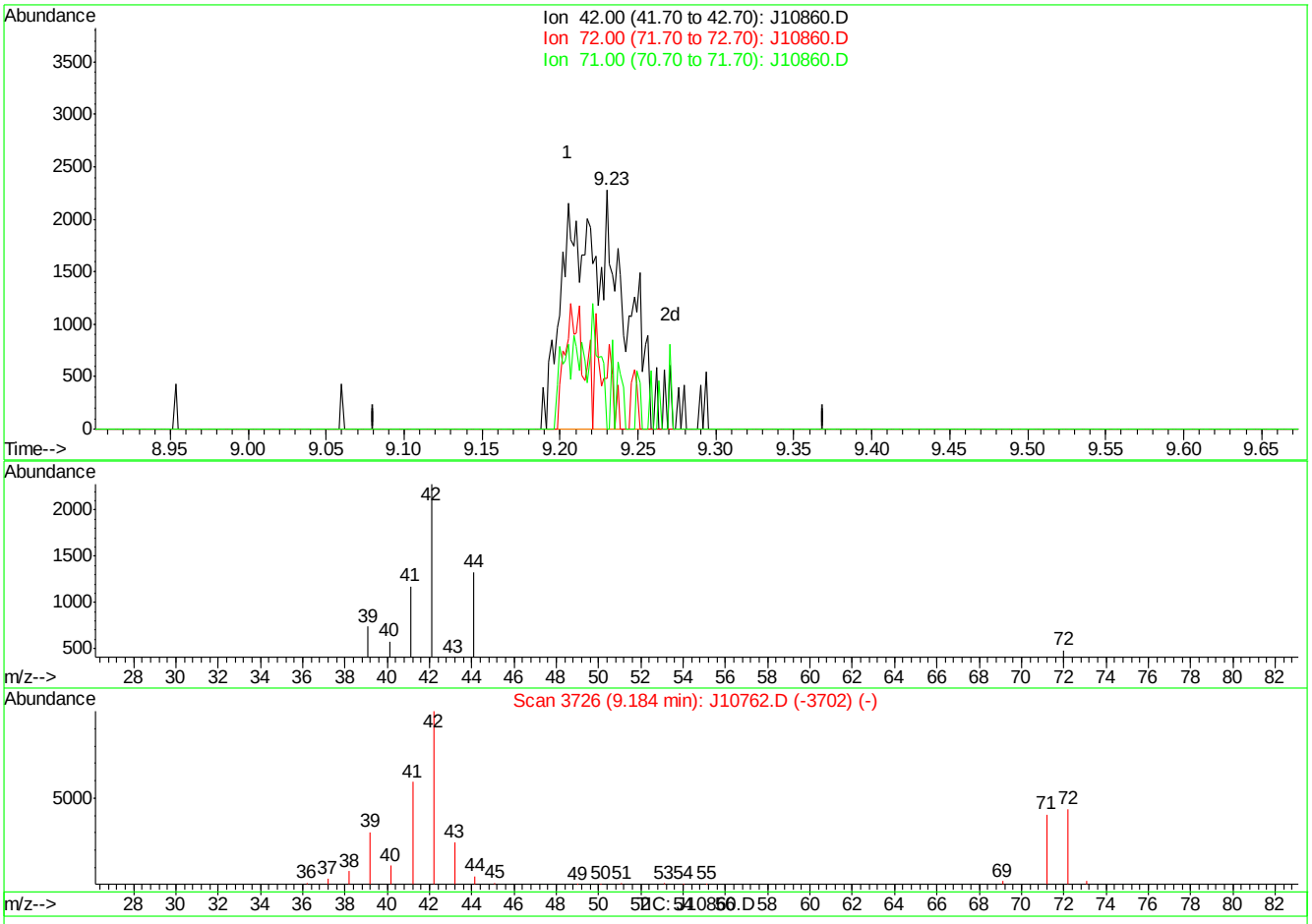
J10860.D J070507T.M Thu Jul 05 11:27:51 2007

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10860.D Vial: 1
Acq On : 5 Jul 2007 10:47 am Operator: danat
Sample : ic562-0.5 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 11:24:40 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration



(24) TETRAHYDROFURAN (m)

9.23min 0.30PPBV m

response 5371

Ion	Exp%	Act%
42.00	100	100
72.00	46.60	18.51#
71.00	46.70	7.43#
0.00	0.00	0.00

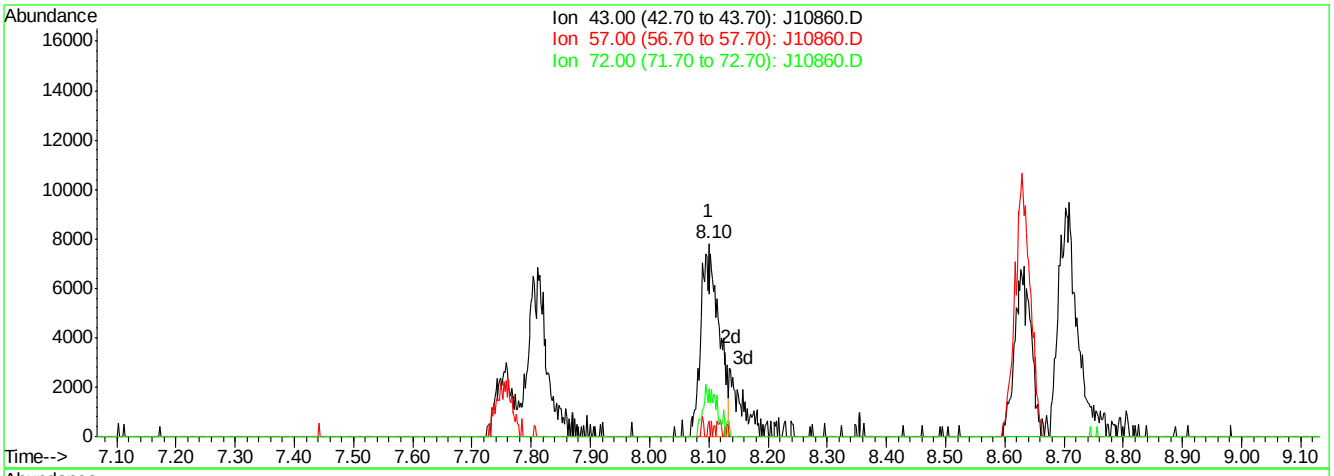
J10860.D J070507T.M Thu Jul 05 11:28:01 2007

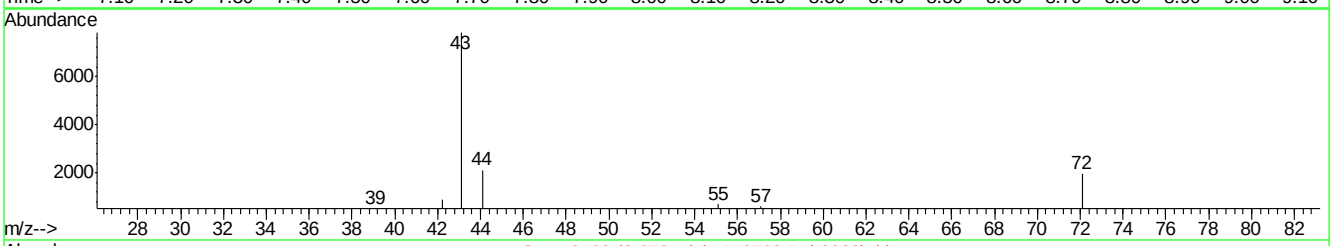
Quantitation Report (Qedit)

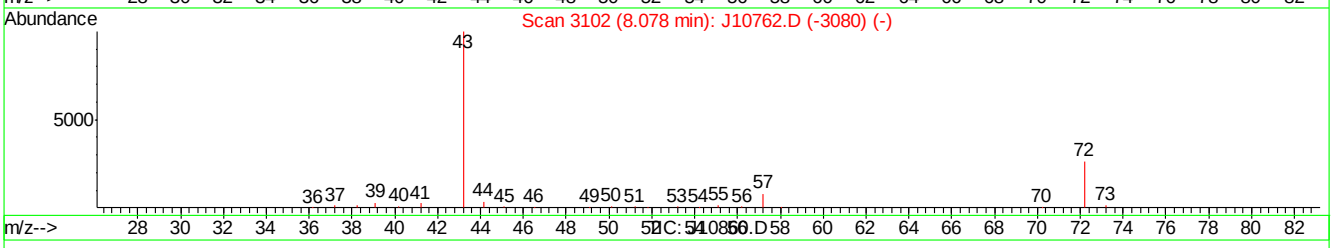
Data File : C:\MSDChem\1\data\J10860.D Vial: 1
Acq On : 5 Jul 2007 10:47 am Operator: danat
Sample : ic562-0.5 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 11:24:40 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration







(28) METHYL ETHYL KETONE (m)

8.10min 0.44PPBV

response 16344

Ion	Exp%	Act%
43.00	100	100
57.00	8.00	7.71
72.00	26.40	24.93
0.00	0.00	0.00

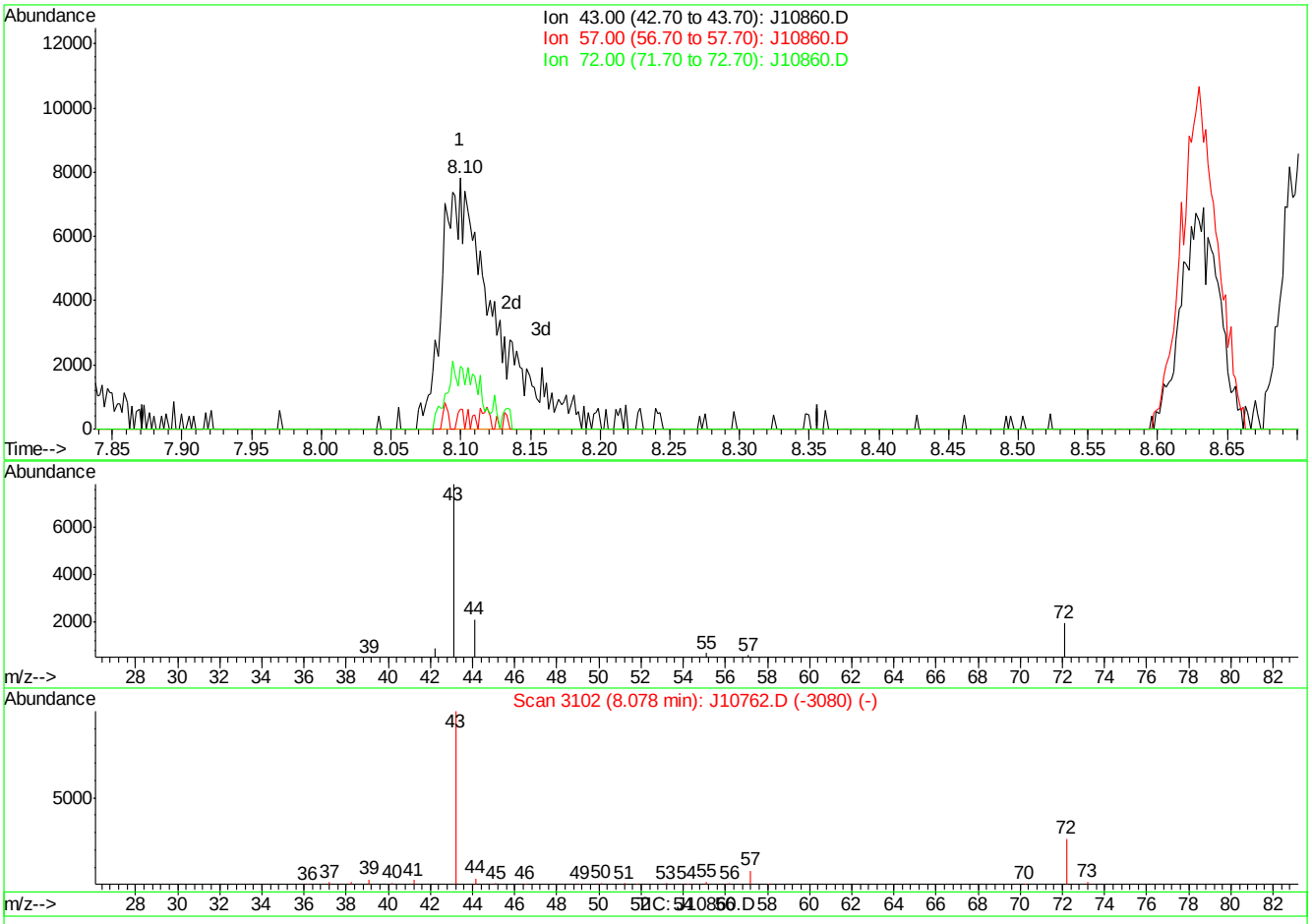
J10860.D J070507T.M Thu Jul 05 11:28:12 2007

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10860.D Vial: 1
Acq On : 5 Jul 2007 10:47 am Operator: danat
Sample : ic562-0.5 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 11:24:40 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration



(28) METHYL ETHYL KETONE (m)

8.10min 0.54PPBV m

response 20284

Ion	Exp%	Act%
43.00	100	100
57.00	8.00	7.71
72.00	26.40	24.93
0.00	0.00	0.00

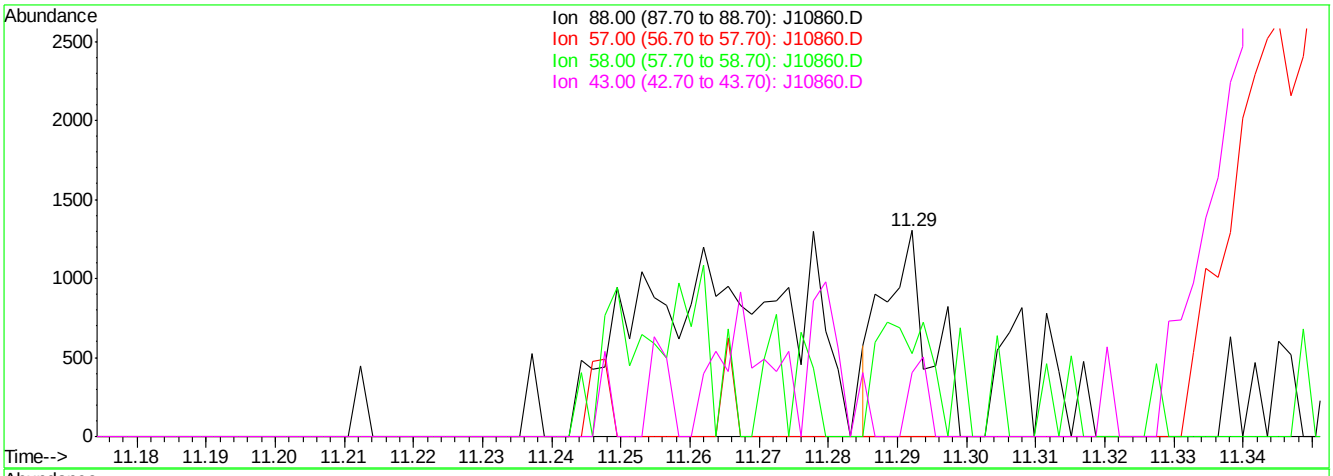
J10860.D J070507T.M Thu Jul 05 11:28:19 2007

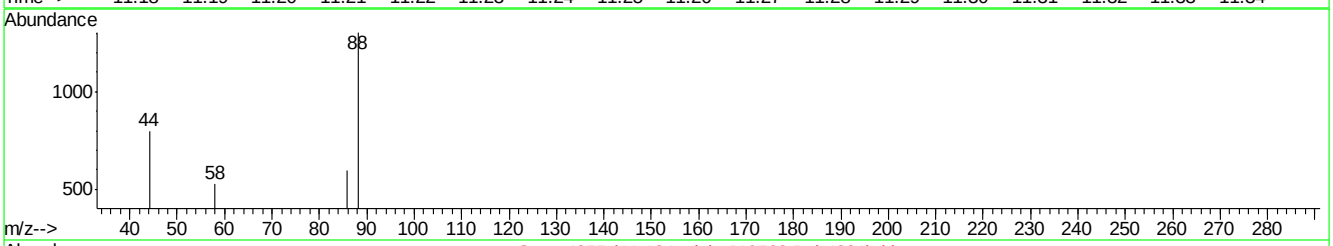
Quantitation Report (Qedit)

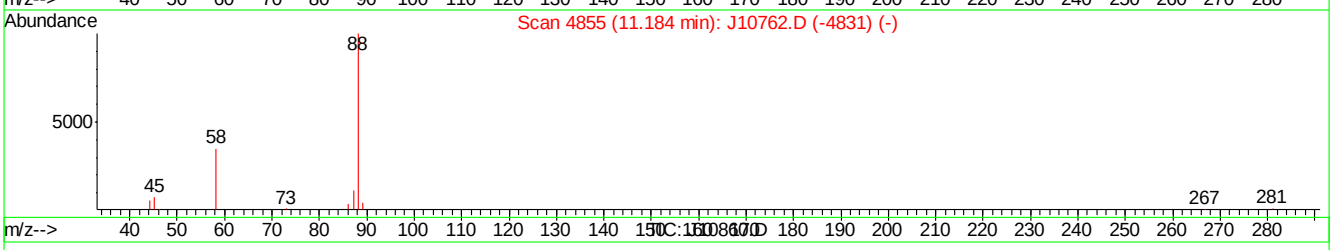
Data File : C:\MSDChem\1\data\J10860.D Vial: 1
Acq On : 5 Jul 2007 10:47 am Operator: danat
Sample : ic562-0.5 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 11:24:40 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration







(42) 1,4-DIOXANE (m)

11.29min 0.05PPBV

response 606

Ion	Exp%	Act%
88.00	100	100
57.00	19.90	0.00
58.00	51.60	40.34
43.00	30.20	30.75

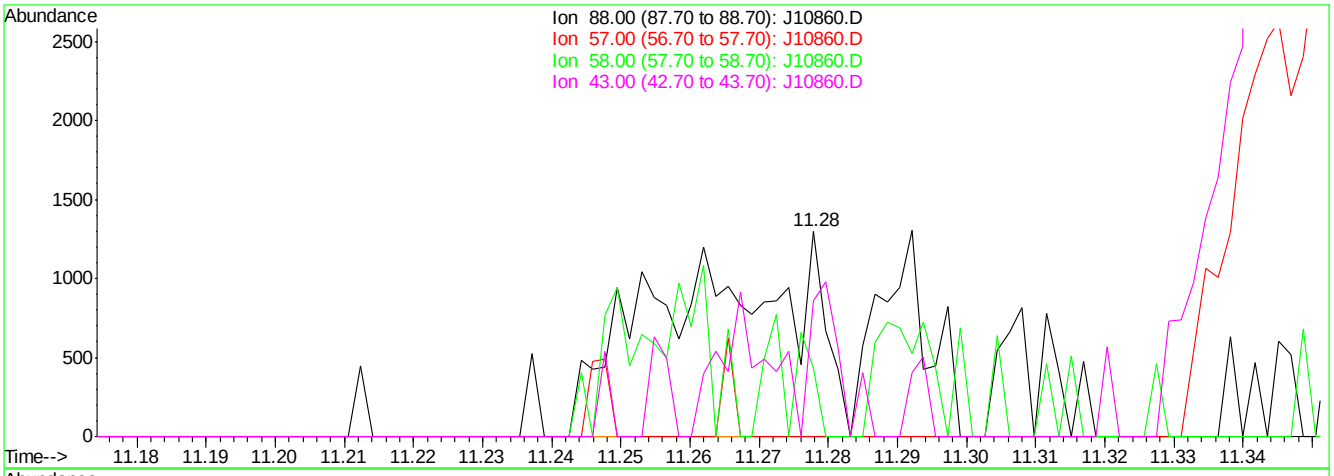
J10860.D J070507T.M Thu Jul 05 11:28:38 2007

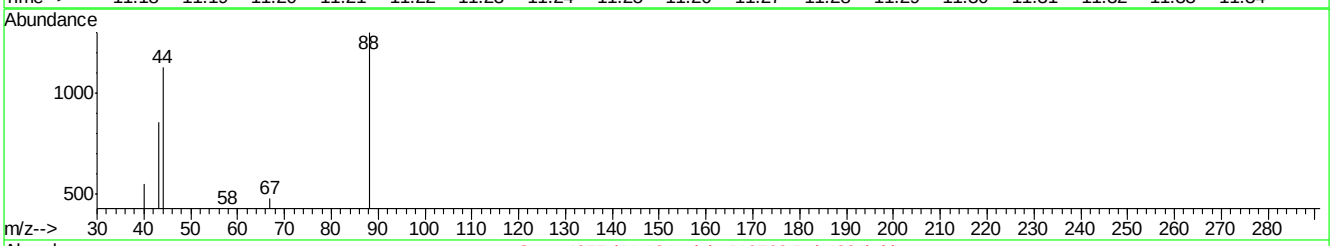
Quantitation Report (Qedit)

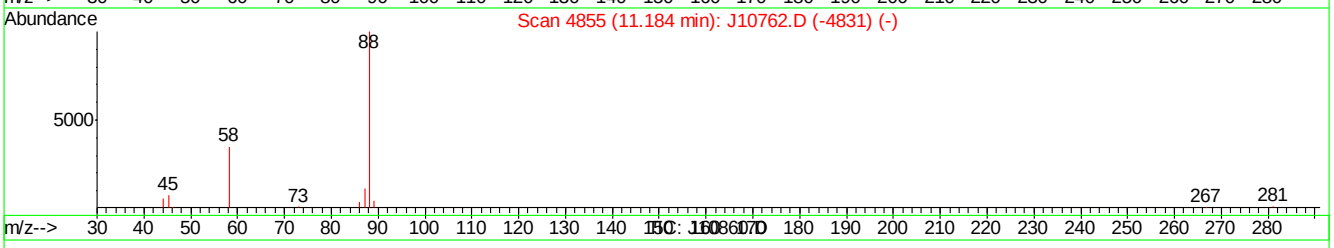
Data File : C:\MSDChem\1\data\J10860.D Vial: 1
Acq On : 5 Jul 2007 10:47 am Operator: danat
Sample : ic562-0.5 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 11:24:40 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration







(42) 1,4-DIOXANE (m)

11.28min 0.16PPBV m

response 1834

Ion	Exp%	Act%
88.00	100	100
57.00	19.90	0.00
58.00	51.60	33.05
43.00	30.20	65.80#

J10860.D J070507T.M Thu Jul 05 11:28:45 2007

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
07/11/07 09:41

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10861.D
Acq On : 5 Jul 2007 11:40 am
Operator : danat
Sample : ic562-0.2 (M210)
Misc : MS13866, MSJ562,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 05 12:10:09 2007
Quant Method : C:\MSDCHEM\1\METHODS\J070507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jul 05 11:24:31 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.61	128	314205	10.00	PPBV	-0.01
35) 1,4-DIFLUOROBENZENE	10.43	114	1315959	10.00	PPBV	-0.01
49) CHLOROBENZENE-D5	14.66	117	1039945	10.00	PPBV	-0.01

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.28	95	267857	4.08	PPBV	-0.01

Spiked Amount 5.000 Range 51 - 142 Recovery = 81.60%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.06	85	21186	0.19	PPBV	95
3) PROPYLENE	4.00	41	2114	0.13	PPBV	87
4) FREON 114	4.32	85	18384	0.19	PPBV	92
5) CHLOROMETHANE	4.23	50	4882	0.20	PPBV #	41
6) VINYL CHLORIDE	4.44	62	4391	0.16	PPBV #	52
7) 1,3-BUTADIENE	4.58	39	2547m	0.13	PPBV	
8) BROMOMETHANE	4.84	94	5275m	0.17	PPBV	
9) CHLOROETHANE	5.02	64	1880m	0.15	PPBV	
10) TRICHLOROFLUOROMETHANE	5.79	101	20139	0.17	PPBV	97
12) ACETONE	5.70	43	9476	0.16	PPBV	69
13) PENTANE	6.14	42	4698	0.16	PPBV #	13
14) 1,1-DICHLOROETHYLENE	6.42	96	3387	0.11	PPBV #	84
15) CARBON DISULFIDE	6.84	76	16228	0.18	PPBV	89
17) BROMOETHENE	5.38	106	3106	0.10	PPBV #	76
18) METHYLENE CHLORIDE	6.54	84	14497	0.26	PPBV	93
20) FREON 113	6.78	151	14135	0.19	PPBV	94
21) TRANS-1,2-DICHLOROETHYLENE	7.46	96	3716	0.13	PPBV #	12
23) METHYL TERTIARY BUTYL ETHE	7.77	73	6299	0.11	PPBV #	65
25) HEXANE	8.62	57	7032	0.19	PPBV	82
27) 1,1-DICHLOROETHANE	7.65	63	8089m	0.16	PPBV	
28) METHYL ETHYL KETONE	8.13	43	5695m	0.15	PPBV	
29) cis-1,2-DICHLOROETHYLENE	8.45	96	3794m	0.14	PPBV	
30) ETHYL ACETATE	8.73	43	6106	0.16	PPBV #	94
31) CHLOROFORM	8.73	83	12578	0.18	PPBV	97
32) 1,1,1-TRICHLOROETHANE	9.67	97	12874	0.16	PPBV	96
33) CARBON TETRACHLORIDE	10.25	117	16993	0.17	PPBV	98
34) 1,2-DICHLOROETHANE	9.44	62	5489	0.13	PPBV	74
36) BENZENE	10.11	78	7215	0.12	PPBV	95
38) TRICHLOROETHYLENE	11.10	95	4041	0.12	PPBV #	54
39) 1,2-DICHLOROPROPANE	10.89	63	3124	0.15	PPBV #	37
40) BROMODICHLOROMETHANE	11.08	83	10388	0.17	PPBV	92
41) 2,2,4-TRIMETHYLPENTANE	11.12	57	8438	0.09	PPBV	85
48) 1,1,2-TRICHLOROETHANE	12.62	83	3088	0.14	PPBV	92
51) TETRACHLOROETHYLENE	14.01	164	5048	0.15	PPBV	92
52) DIBROMOCHLOROMETHANE	13.32	129	7812	0.15	PPBV	94
53) 1,2-DIBROMOETHANE	13.56	107	5001	0.15	PPBV #	97
54) CHLOROBENZENE	14.71	112	9098	0.17	PPBV	97
56) m,p-XYLENE	15.25	106	4070	0.14	PPBV	90
60) BROMOFORM	15.39	173	6630	0.13	PPBV	96
62) 1,1,2,2-TETRACHLOROETHANE	15.79	83	7272	0.17	PPBV	94
68) m-DICHLOROBENZENE	17.91	146	5264	0.12	PPBV	97

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10861.D
Acq On : 5 Jul 2007 11:40 am
Operator : danat
Sample : ic562-0.2 (M210)
Misc : MS13866, MSJ562,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 05 12:10:09 2007
Quant Method : C:\MSDCHEM\1\METHODS\J070507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jul 05 11:24:31 2007
Response via : Initial Calibration

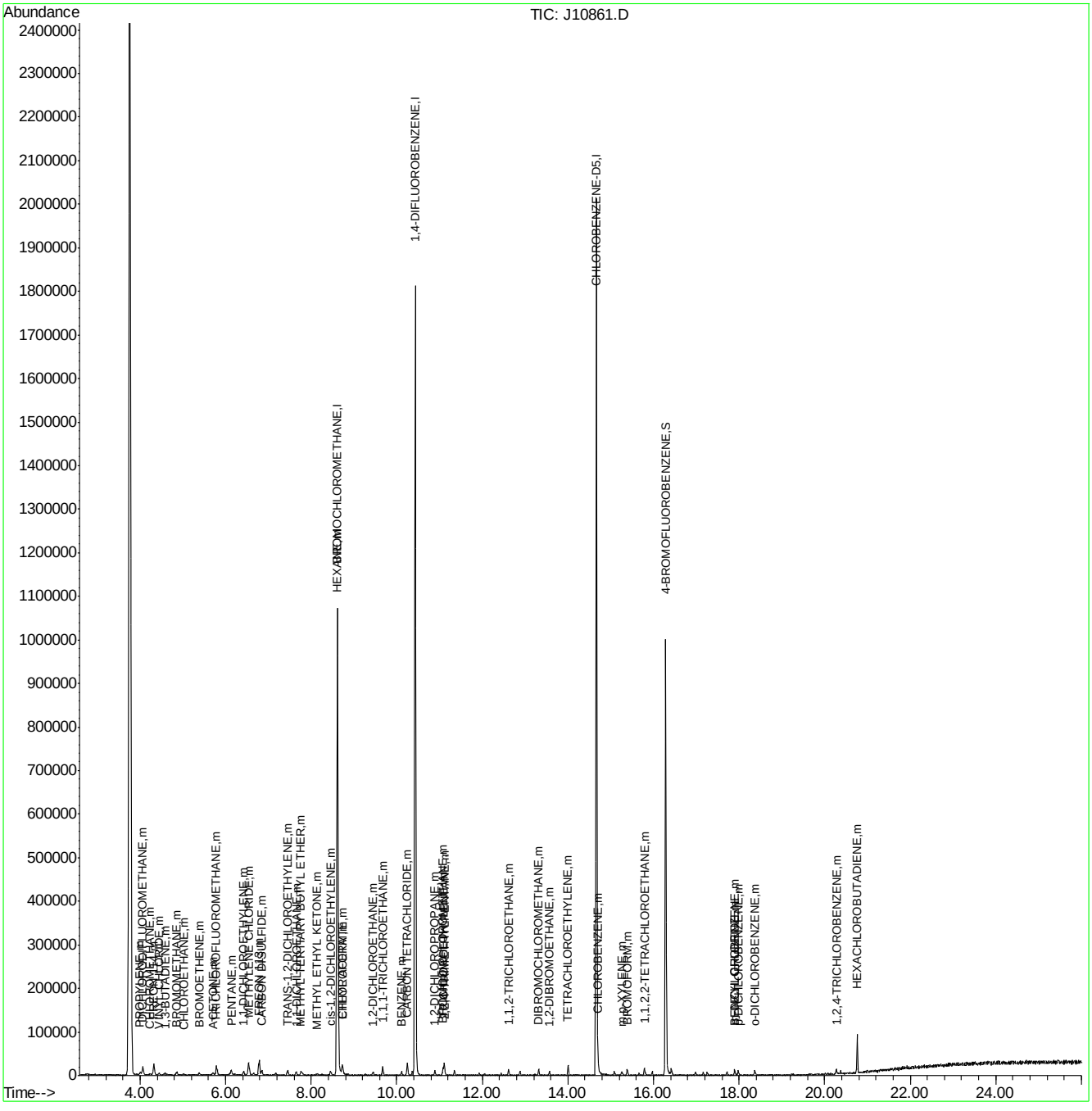
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) BENZYL CHLORIDE	17.89	91	3365	0.10	PPBV	68
70) p-DICHLOROBENZENE	17.98	146	4657	0.12	PPBV	93
71) o-DICHLOROBENZENE	18.37	146	5188	0.13	PPBV	95
72) HEXACHLOROBUTADIENE	20.76	225	14766	0.39	PPBV	97
73) 1,2,4-TRICHLOROBENZENE	20.27	180	4132	0.26	PPBV	93

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10861.D
Acq On : 5 Jul 2007 11:40 am
Operator : danat
Sample : ic562-0.2 (M210)
Misc : MS13866, MSJ562,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 05 12:10:09 2007
Quant Method : C:\MSDCHEM\1\METHODS\J070507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jul 05 11:24:31 2007
Response via : Initial Calibration



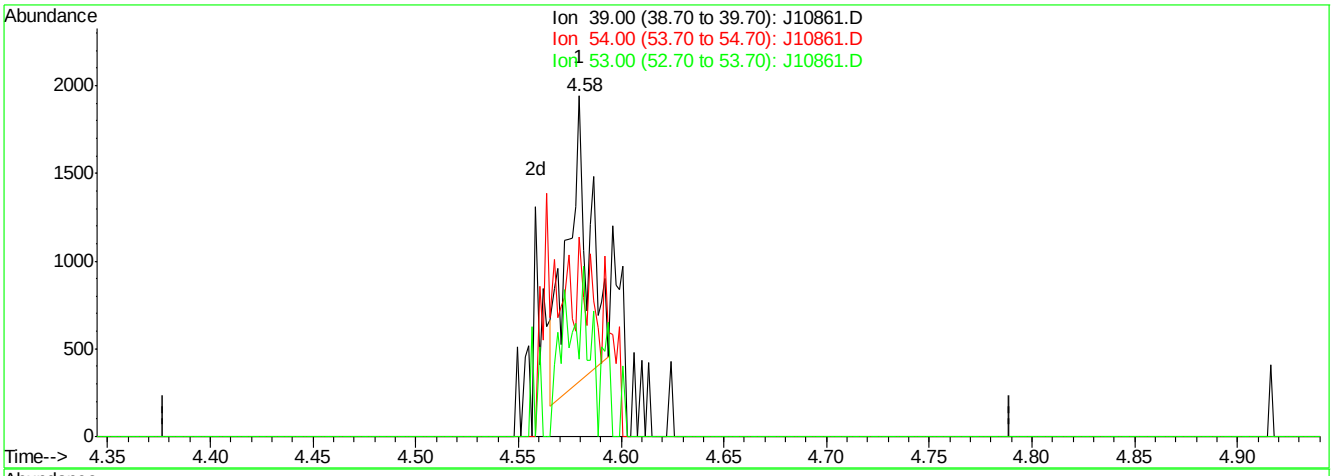
ACCUTEST Laboratories M67847

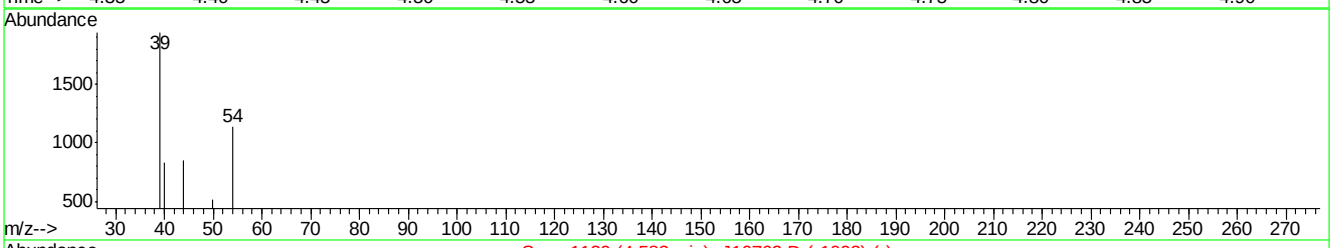
Quantitation Report (Qedit)

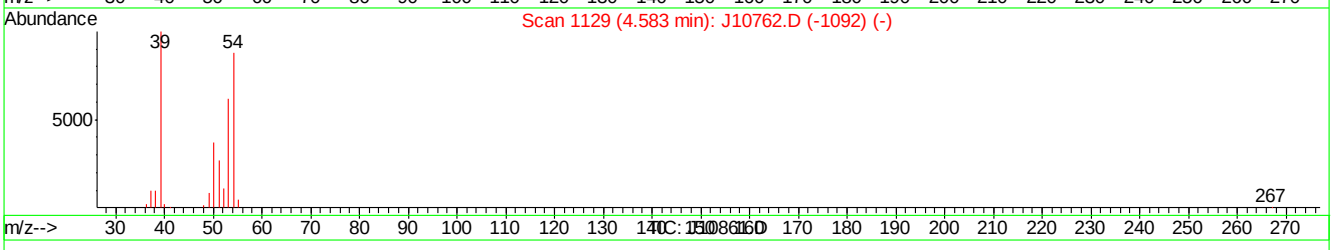
Data File : C:\MSDChem\1\data\J10861.D Vial: 1
Acq On : 5 Jul 2007 11:40 am Operator: danat
Sample : ic562-0.2 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 12:06:13 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration







(7) 1,3-BUTADIENE (m)

4.58min 0.06PPBV

response 1190

Ion	Exp%	Act%
39.00	100	100
54.00	92.50	0.00#
53.00	65.20	52.27
0.00	0.00	0.00

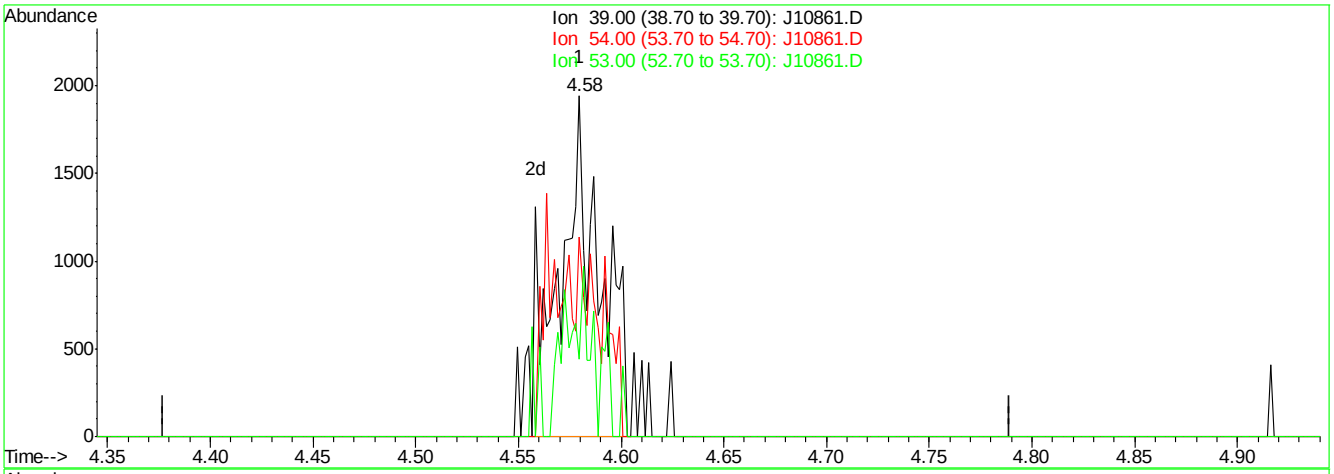
J10861.D J070507T.M Thu Jul 05 12:06:49 2007

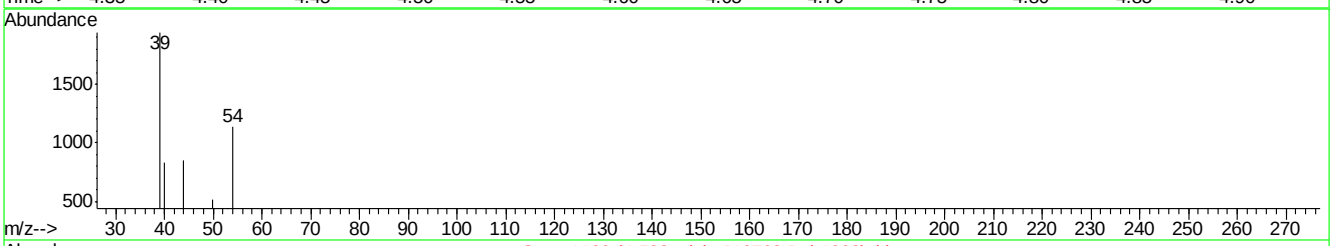
Quantitation Report (Qedit)

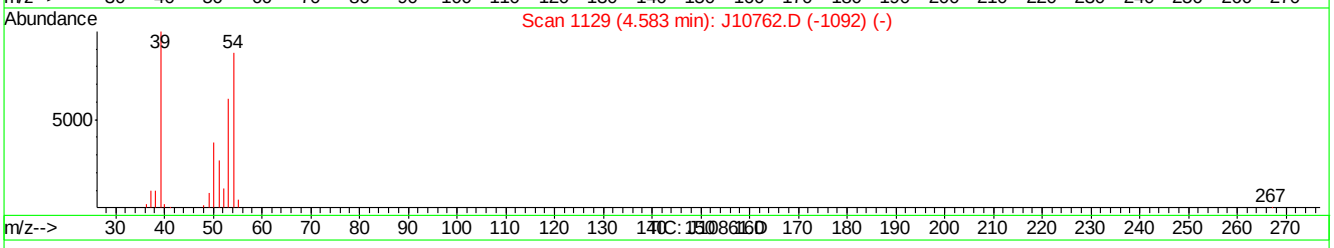
Data File : C:\MSDChem\1\data\J10861.D Vial: 1
Acq On : 5 Jul 2007 11:40 am Operator: danat
Sample : ic562-0.2 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 12:06:13 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration







(7) 1,3-BUTADIENE (m)

4.58min 0.13PPBV m

response 2547

Ion	Exp%	Act%
39.00	100	100
54.00	92.50	0.00#
53.00	65.20	24.42#
0.00	0.00	0.00

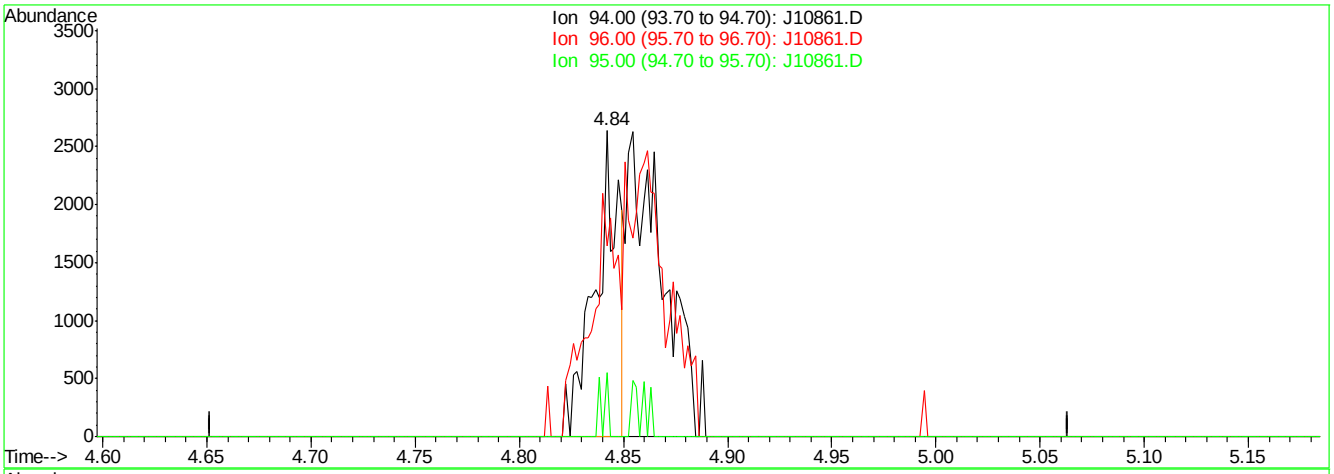
J10861.D J070507T.M Thu Jul 05 12:06:58 2007

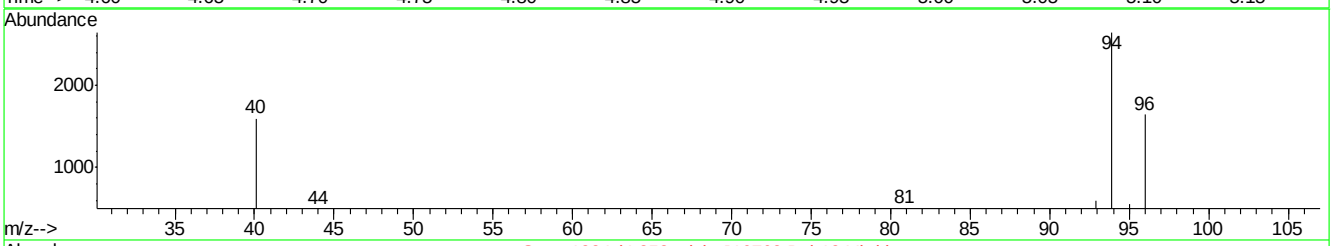
Quantitation Report (Qedit)

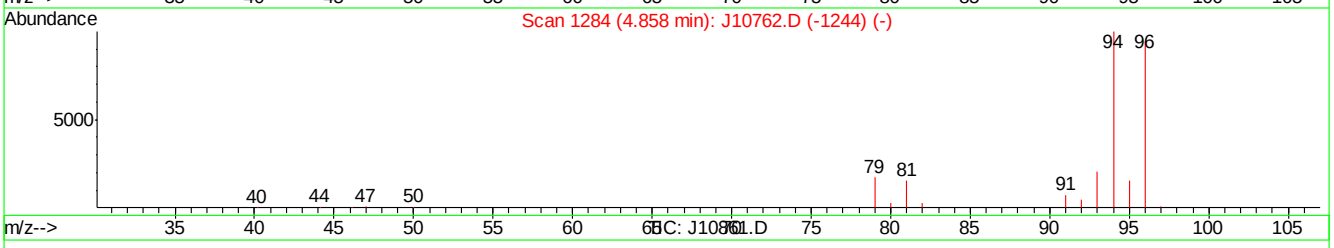
Data File : C:\MSDChem\1\data\J10861.D Vial: 1
Acq On : 5 Jul 2007 11:40 am Operator: danat
Sample : ic562-0.2 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 12:06:13 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration







(8) BROMOMETHANE (m)

4.84min 0.06PPBV

response 2038

Ion	Exp%	Act%
94.00	100	100
96.00	94.50	93.77
95.00	15.50	5.54
0.00	0.00	0.00

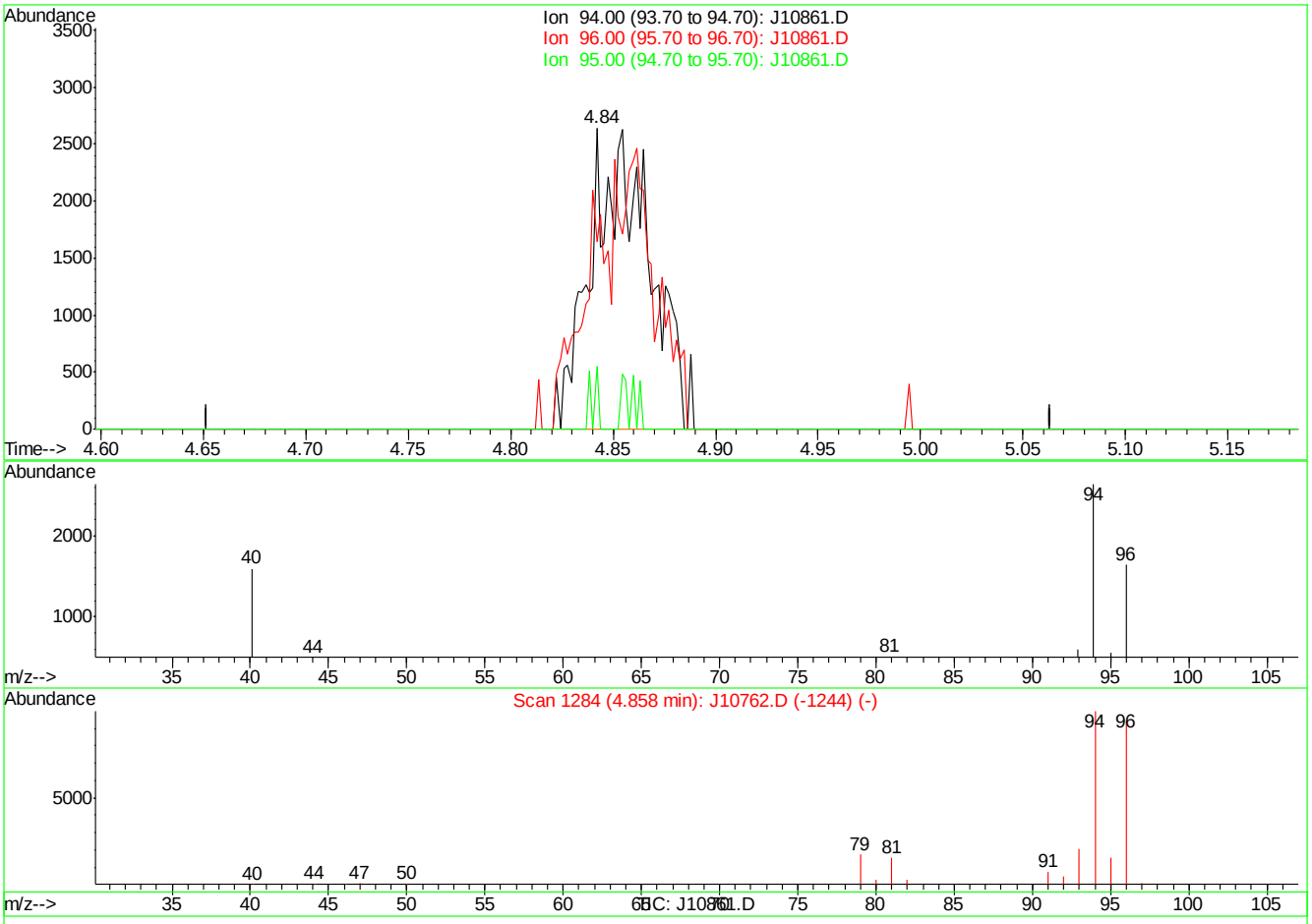
J10861.D J070507T.M Thu Jul 05 12:07:03 2007

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10861.D Vial: 1
Acq On : 5 Jul 2007 11:40 am Operator: danat
Sample : ic562-0.2 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 12:06:13 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration



(8) BROMOMETHANE (m)

4.84min 0.17PPBV m

response 5275

Ion	Exp%	Act%
94.00	100	100
96.00	94.50	36.23#
95.00	15.50	2.14
0.00	0.00	0.00

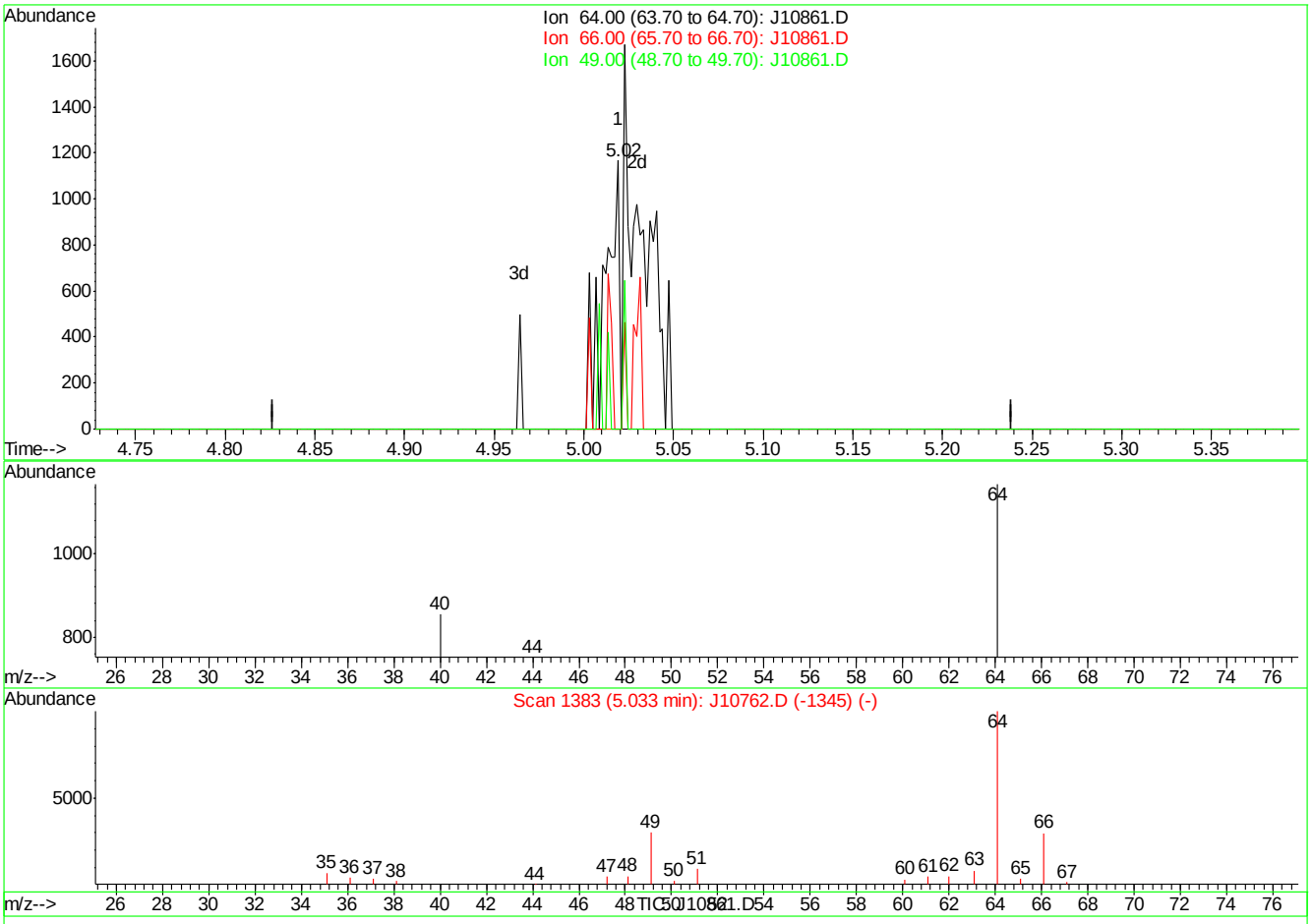
J10861.D J070507T.M Thu Jul 05 12:07:08 2007

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10861.D Vial: 1
Acq On : 5 Jul 2007 11:40 am Operator: danat
Sample : ic562-0.2 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 12:06:13 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration



(9) CHLOROETHANE (m)

5.02min 0.05PPBV

response 658

Ion	Exp%	Act%
64.00	100	100
66.00	33.20	18.24
49.00	30.60	15.65
0.00	0.00	0.00

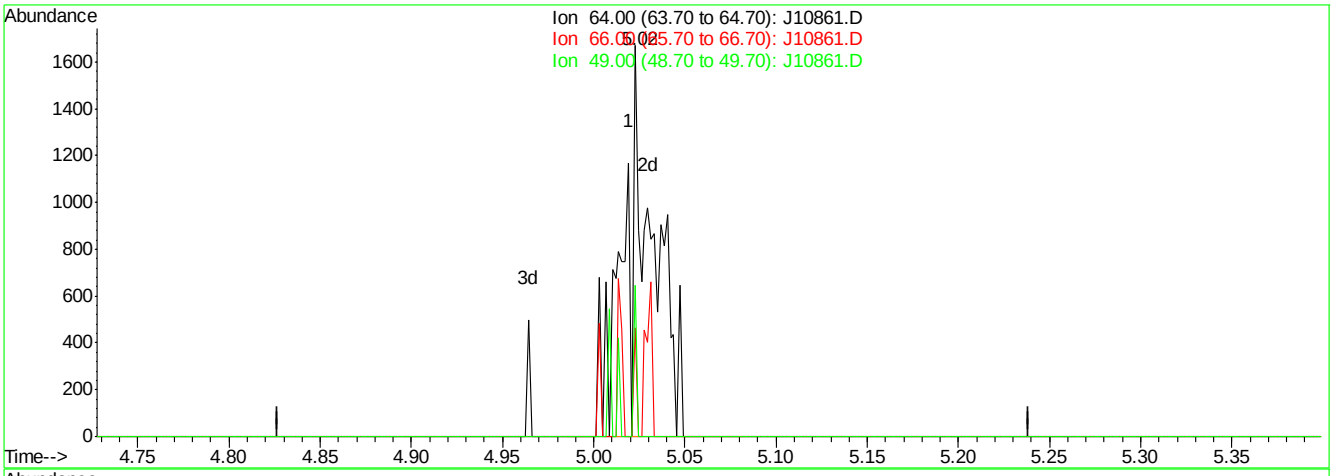
J10861.D J070507T.M Thu Jul 05 12:07:13 2007

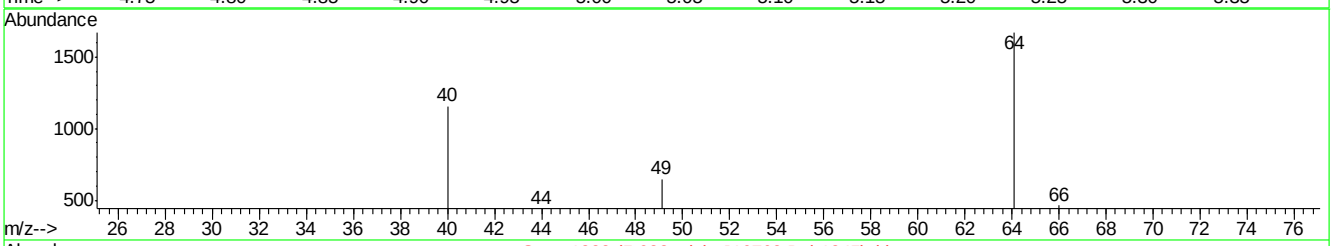
Quantitation Report (Qedit)

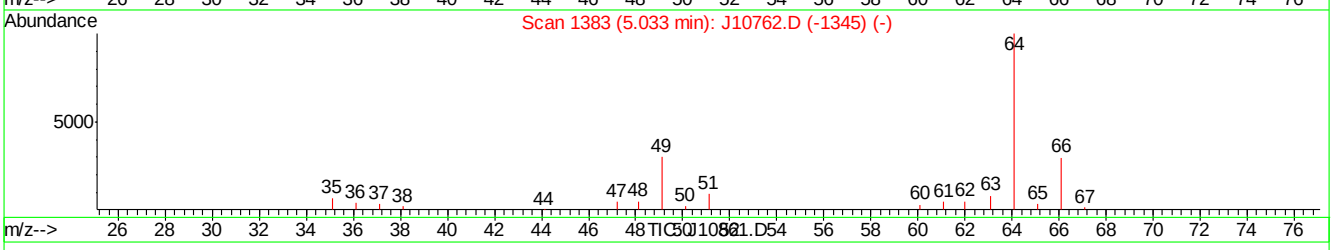
Data File : C:\MSDChem\1\data\J10861.D Vial: 1
Acq On : 5 Jul 2007 11:40 am Operator: danat
Sample : ic562-0.2 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 12:06:13 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration







(9) CHLOROETHANE (m)

5.02min 0.15PPBV m

response 1880

Ion	Exp%	Act%
64.00	100	100
66.00	33.20	6.38#
49.00	30.60	5.48#
0.00	0.00	0.00

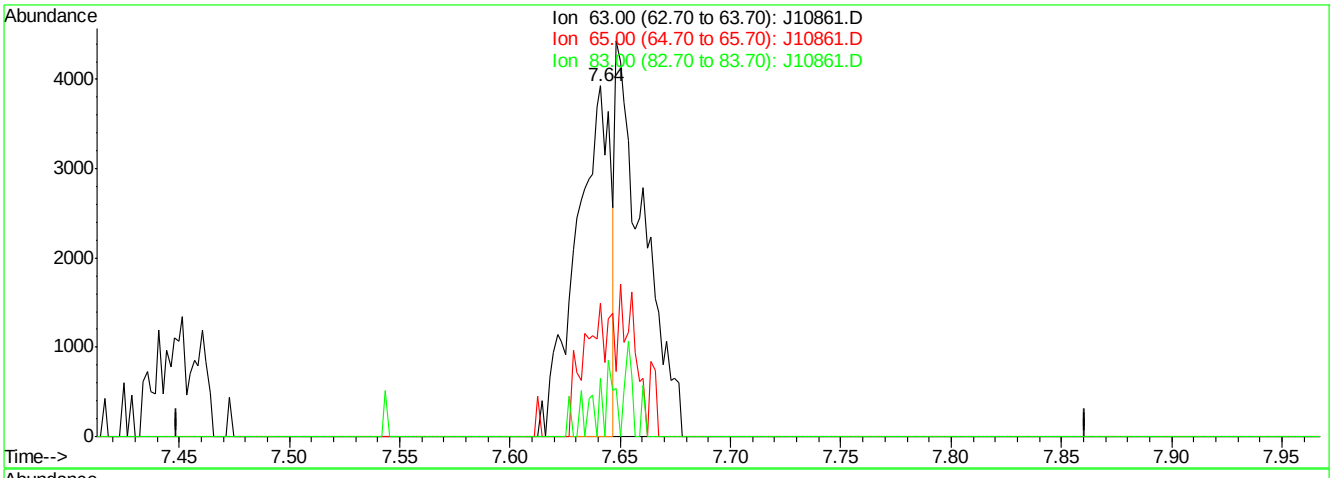
J10861.D J070507T.M Thu Jul 05 12:07:16 2007

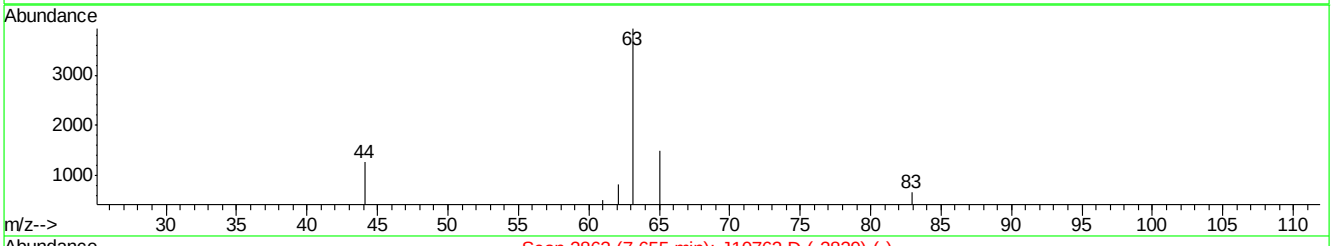
Quantitation Report (Qedit)

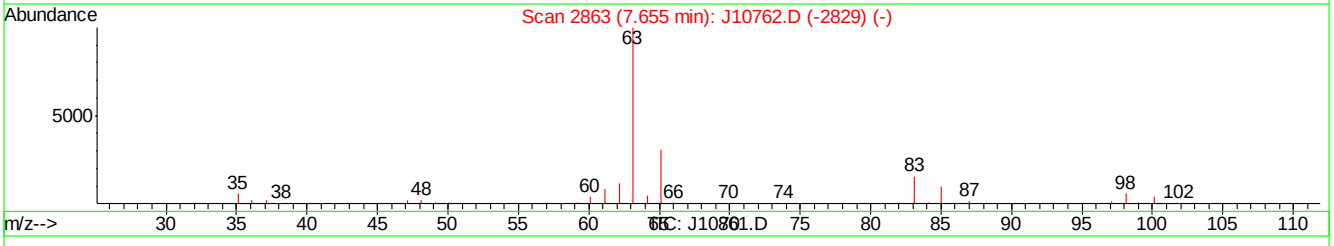
Data File : C:\MSDChem\1\data\J10861.D Vial: 1
Acq On : 5 Jul 2007 11:40 am Operator: danat
Sample : ic562-0.2 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 12:06:13 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration







(27) 1,1-DICHLOROETHANE (m)

7.64min 0.08PPBV

response 4190

Ion	Exp%	Act%
63.00	100	100
65.00	32.30	0.00#
83.00	15.10	4.68
0.00	0.00	0.00

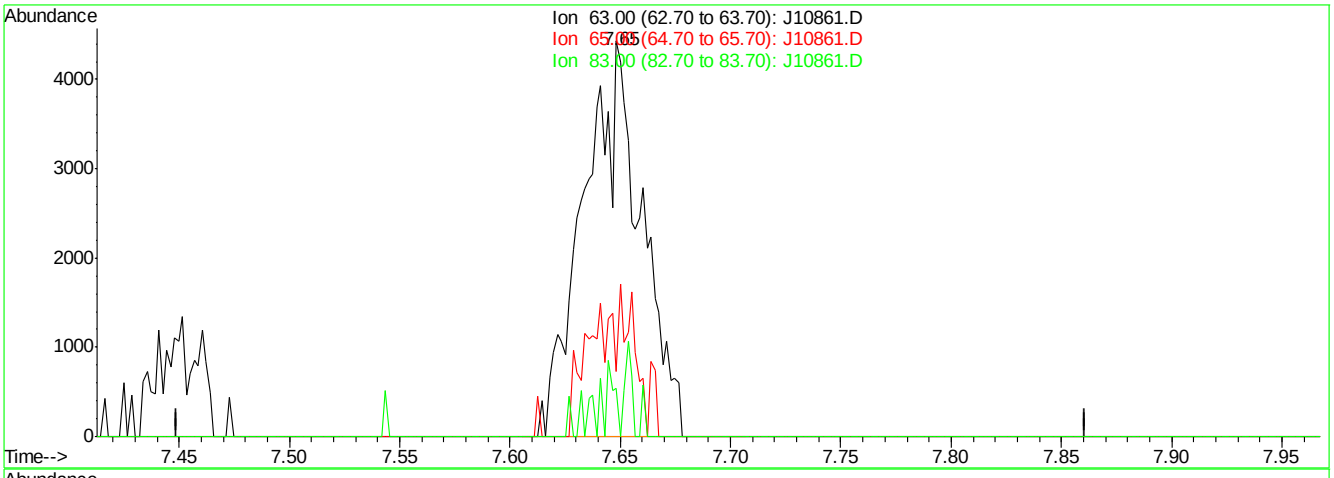
J10861.D J070507T.M Thu Jul 05 12:08:09 2007

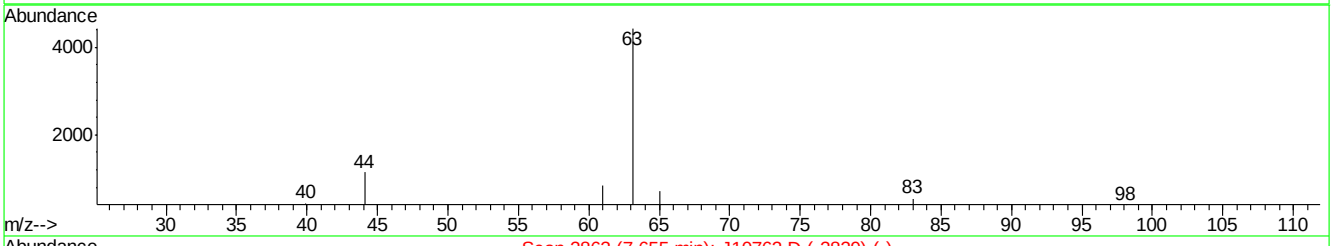
Quantitation Report (Qedit)

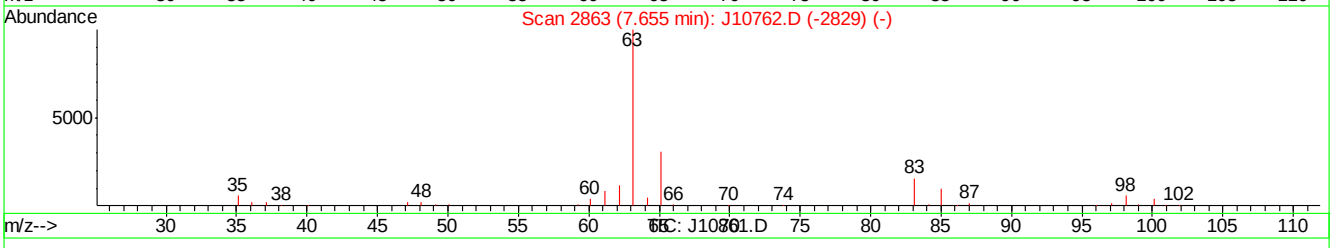
Data File : C:\MSDChem\1\data\J10861.D Vial: 1
Acq On : 5 Jul 2007 11:40 am Operator: danat
Sample : ic562-0.2 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 12:06:13 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration







(27) 1,1-DICHLOROETHANE (m)

7.65min 0.16PPBV m

response 8089

Ion	Exp%	Act%
63.00	100	100
65.00	32.30	0.00#
83.00	15.10	2.42
0.00	0.00	0.00

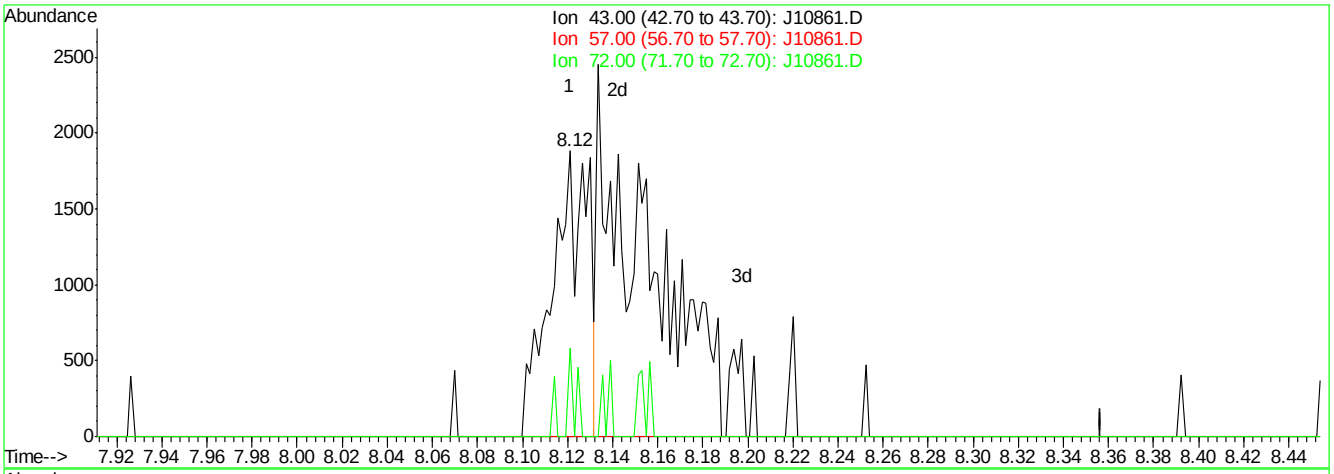
J10861.D J070507T.M Thu Jul 05 12:08:13 2007

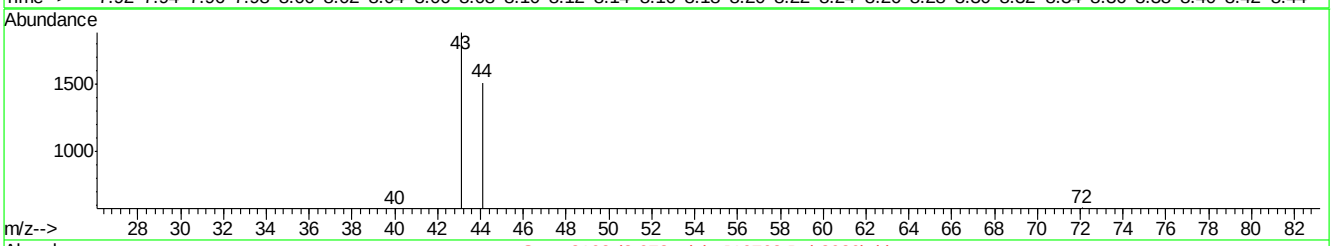
Quantitation Report (Qedit)

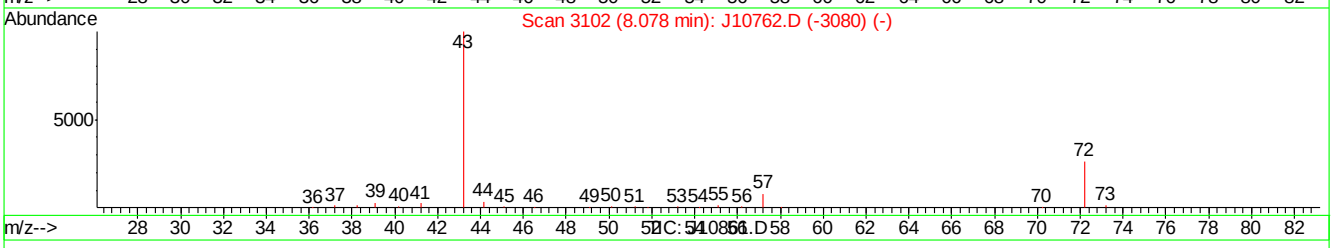
Data File : C:\MSDChem\1\data\J10861.D Vial: 1
Acq On : 5 Jul 2007 11:40 am Operator: danat
Sample : ic562-0.2 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 12:06:13 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration







(28) METHYL ETHYL KETONE (m)

8.12min 0.05PPBV

response 2089

Ion	Exp%	Act%
43.00	100	100
57.00	8.00	0.00
72.00	26.40	30.96
0.00	0.00	0.00

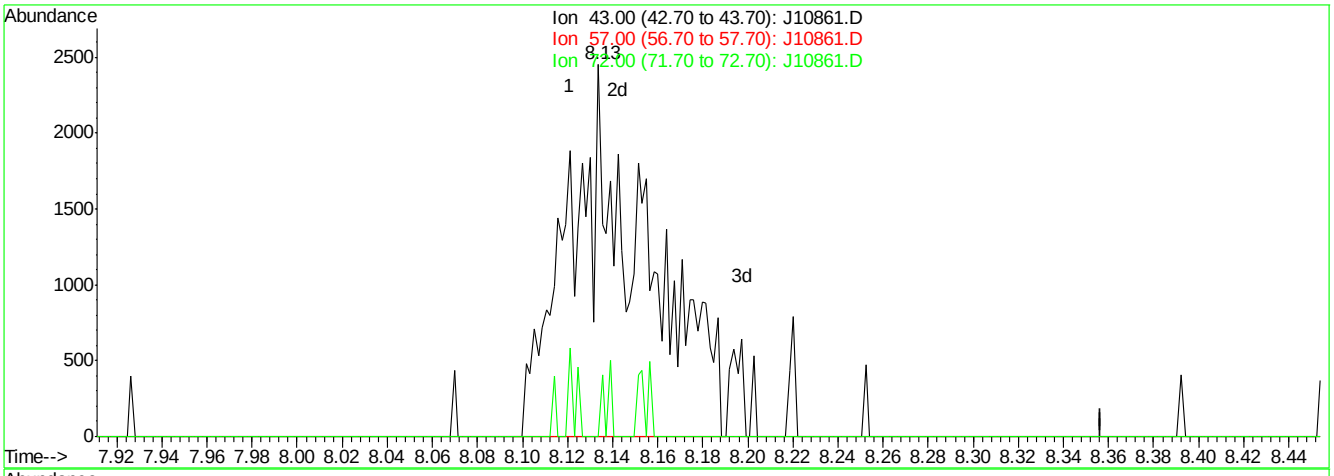
J10861.D J070507T.M Thu Jul 05 12:08:19 2007

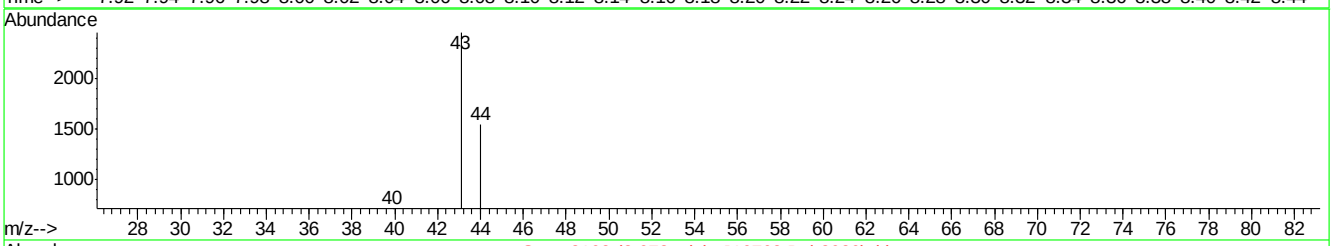
Quantitation Report (Qedit)

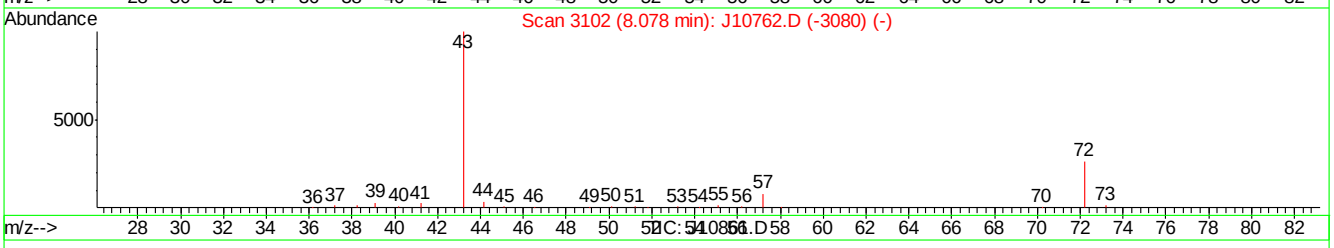
Data File : C:\MSDChem\1\data\J10861.D Vial: 1
Acq On : 5 Jul 2007 11:40 am Operator: danat
Sample : ic562-0.2 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 12:06:13 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration







(28) METHYL ETHYL KETONE (m)

8.13min 0.15PPBV m

response 5695

Ion	Exp%	Act%
43.00	100	100
57.00	8.00	0.00
72.00	26.40	0.00#
0.00	0.00	0.00

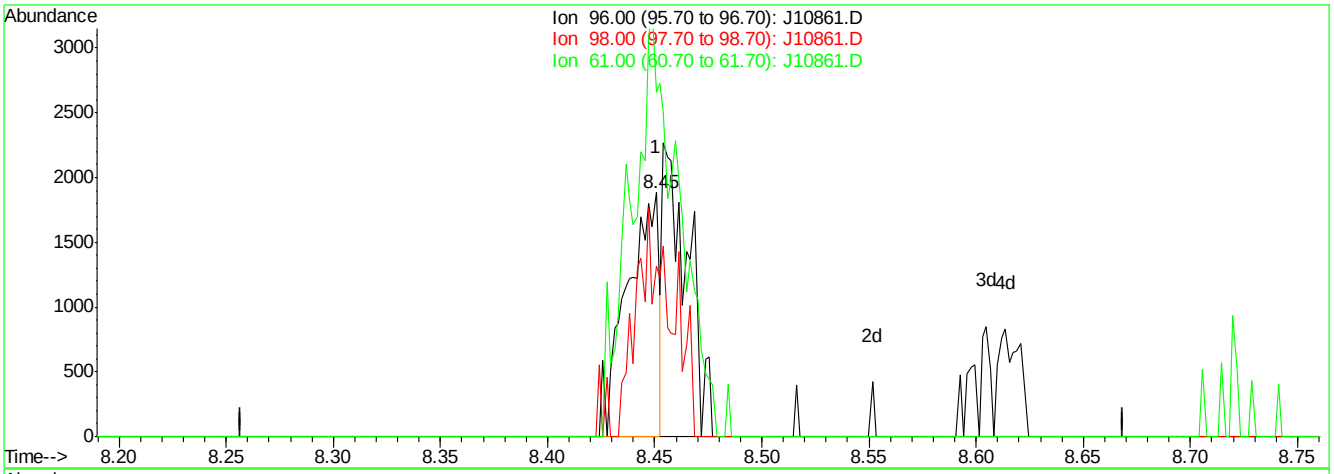
J10861.D J070507T.M Thu Jul 05 12:08:24 2007

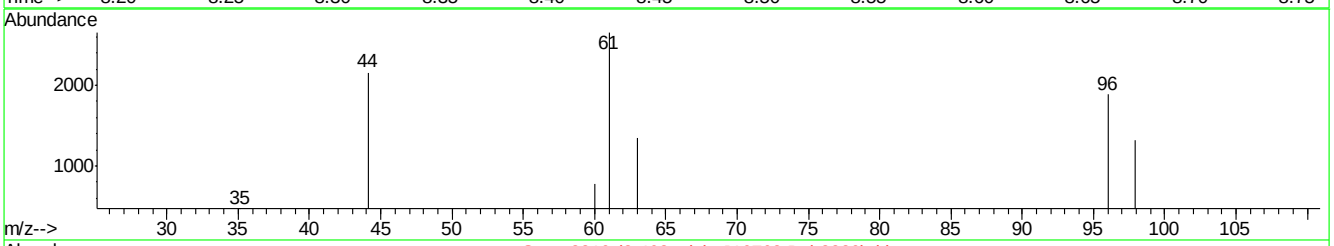
Quantitation Report (Qedit)

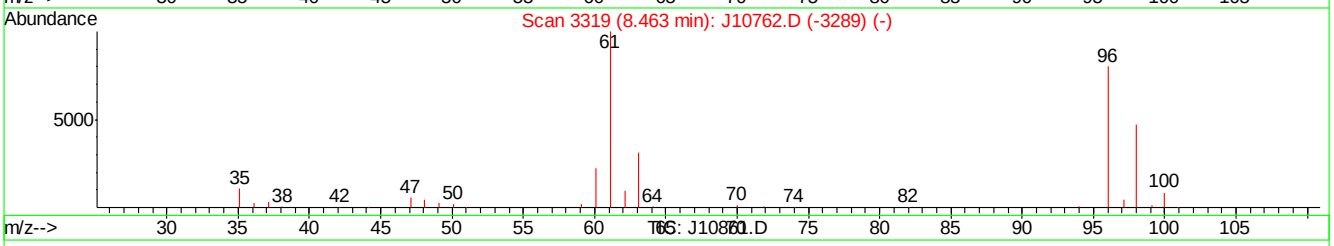
Data File : C:\MSDChem\1\data\J10861.D Vial: 1
Acq On : 5 Jul 2007 11:40 am Operator: danat
Sample : ic562-0.2 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 12:06:13 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration







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

8.45min 0.07PPBV

response 1947

Ion	Exp%	Act%
96.00	100	100
98.00	64.90	103.85#
61.00	125.50	259.42#
0.00	0.00	0.00

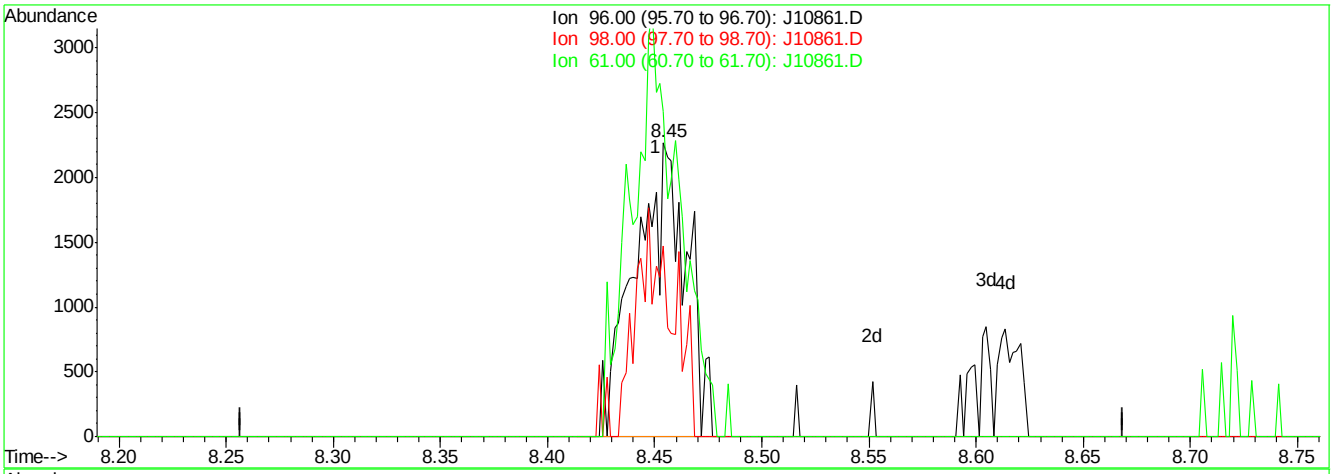
J10861.D J070507T.M Thu Jul 05 12:08:30 2007

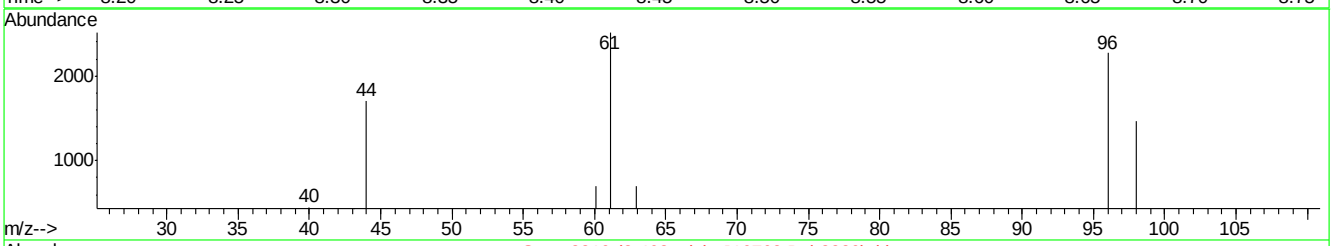
Quantitation Report (Qedit)

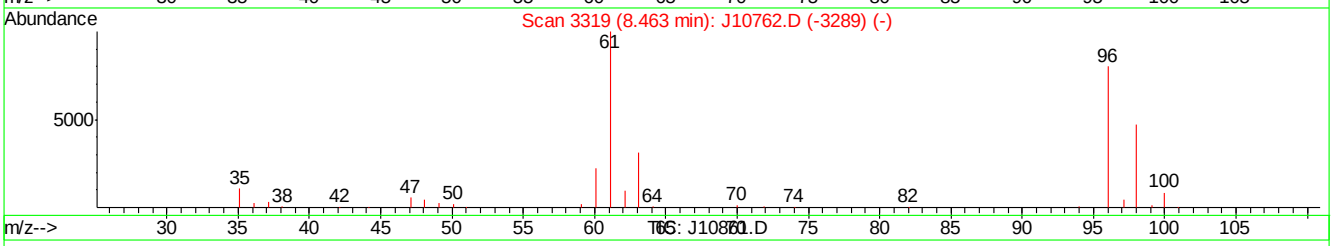
Data File : C:\MSDChem\1\data\J10861.D Vial: 1
Acq On : 5 Jul 2007 11:40 am Operator: danat
Sample : ic562-0.2 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 12:06:13 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration







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

8.45min 0.14PPBV m

response 3794

Ion	Exp%	Act%
96.00	100	100
98.00	64.90	53.29
61.00	125.50	133.13
0.00	0.00	0.00

J10861.D J070507T.M Thu Jul 05 12:08:35 2007

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 07/11/07 09:41

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10863.D
Acq On : 5 Jul 2007 1:26 pm
Operator : danat
Sample : ic562-40 (M210)
Misc : MS13866, MSJ562,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 05 13:58:42 2007
Quant Method : C:\MSDCHEM\1\METHODS\J070507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jul 05 11:24:31 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	350136	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.45	114	1441648	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.70	117	1373333	10.00	PPBV	0.02

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.32	95	492873	5.68	PPBV	0.03

Spiked Amount 5.000 Range 51 - 142 Recovery = 113.60%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.07	85	4444007	35.65	PPBV	99
3) PROPYLENE	3.99	41	815972	44.50	PPBV	100
4) FREON 114	4.32	85	4101699	37.77	PPBV	98
5) CHLOROMETHANE	4.23	50	1068221	39.59	PPBV	97
6) VINYL CHLORIDE	4.44	62	1260210	40.71	PPBV	99
7) 1,3-BUTADIENE	4.57	39	995442	45.46	PPBV	96
8) BROMOMETHANE	4.85	94	1361965	38.79	PPBV	99
9) CHLOROETHANE	5.01	64	596148	41.60	PPBV	99
10) TRICHLOROFLUOROMETHANE	5.78	101	4564557	34.85	PPBV	100
11) ISOPROPYL ALCOHOL	6.04	45	1543457m	38.89	PPBV	
12) ACETONE	5.64	43	1581089	23.31	PPBV	98
13) PENTANE	6.12	42	1150710	35.99	PPBV	99
14) 1,1-DICHLOROETHYLENE	6.41	96	1386047	41.48	PPBV	99
15) CARBON DISULFIDE	6.83	76	3945499	38.93	PPBV	99
16) ETHANOL	5.23	45	276078	39.16	PPBV	87
17) BROMOETHENE	5.37	106	1382133	40.81	PPBV	99
18) METHYLENE CHLORIDE	6.53	84	1229697	19.57	PPBV	97
19) 3-CHLOROPROPENE	6.65	39	1373628	52.05	PPBV	89
20) FREON 113	6.77	151	2904178	35.42	PPBV	96
21) TRANS-1,2-DICHLOROETHYLENE	7.44	96	1377181	42.68	PPBV	99
22) TERTIARY BUTYL ALCOHOL	6.65	59	1955300m	44.82	PPBV	
23) METHYL TERTIARY BUTYL ETHE	7.72	73	2924308	43.75	PPBV	98
24) TETRAHYDROFURAN	9.17	42	964987	47.57	PPBV	98
25) HEXANE	8.62	57	1620784	39.94	PPBV	98
26) VINYL ACETATE	7.80	43	2065370	46.38	PPBV	98
27) 1,1-DICHLOROETHANE	7.65	63	2382057	42.28	PPBV	99
28) METHYL ETHYL KETONE	8.09	43	1890243	44.58	PPBV	95
29) cis-1,2-DICHLOROETHYLENE	8.45	96	1379003	44.82	PPBV	98
30) ETHYL ACETATE	8.70	43	2142500	48.89	PPBV	96
31) CHLOROFORM	8.75	83	3258334	41.25	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.68	97	3768097	41.18	PPBV	99
33) CARBON TETRACHLORIDE	10.26	117	4303561	37.98	PPBV	100
34) 1,2-DICHLOROETHANE	9.46	62	1920339	42.15	PPBV	99
36) BENZENE	10.13	78	3699200	54.81	PPBV	99
37) CYCLOHEXANE	10.36	84	1606095	49.10	PPBV	97
38) TRICHLOROETHYLENE	11.13	95	1903469	51.06	PPBV	100
39) 1,2-DICHLOROPROPANE	10.91	63	1202107	52.61	PPBV	96
40) BROMODICHLOROMETHANE	11.11	83	3256427	48.55	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.13	57	5986544	58.67	PPBV	98
42) 1,4-DIOXANE	11.20	88	646557	51.51	PPBV	94
43) HEPTANE	11.37	43	1890518	58.66	PPBV	99

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10863.D
Acq On : 5 Jul 2007 1:26 pm
Operator : danat
Sample : ic562-40 (M210)
Misc : MS13866, MSJ562,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 05 13:58:42 2007
Quant Method : C:\MSDCHEM\1\METHODS\J070507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jul 05 11:24:31 2007
Response via : Initial Calibration

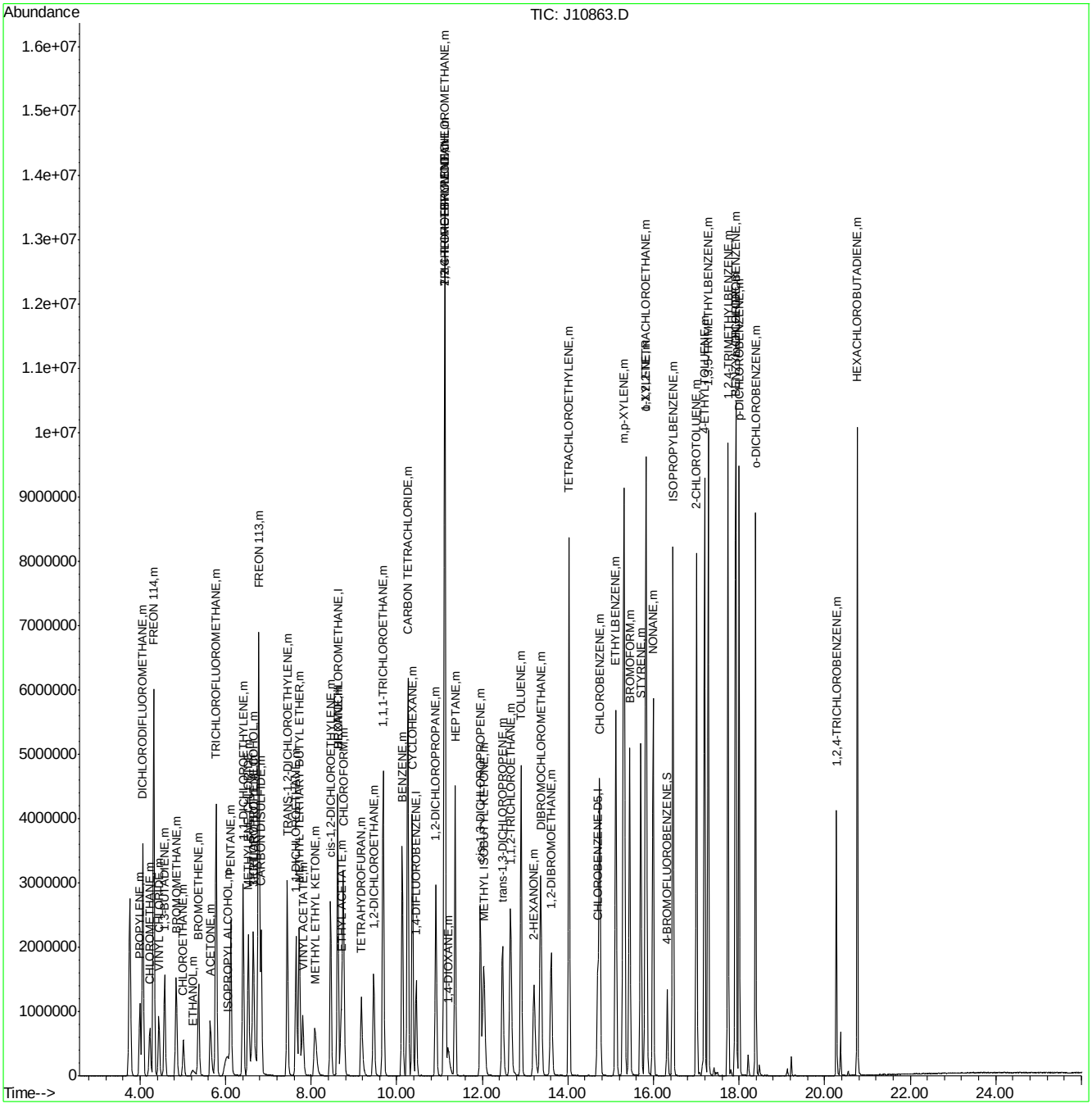
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.03	43	2305916	56.42	PPBV	99
45) cis-1,3-DICHLOROPROPENE	11.95	75	1815083	59.05	PPBV	96
46) TOLUENE	12.90	92	2637403	58.93	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.47	75	1814273	63.58	PPBV	97
48) 1,1,2-TRICHLOROETHANE	12.65	83	1219933	49.46	PPBV	99
50) 2-HEXANONE	13.21	43	1966322	59.45	PPBV	99
51) TETRACHLOROETHYLENE	14.03	164	2213972	48.65	PPBV	99
52) DIBROMOCHLOROMETHANE	13.36	129	3111378	45.75	PPBV	100
53) 1,2-DIBROMOETHANE	13.61	107	2306336	51.13	PPBV	100
54) CHLOROBENZENE	14.74	112	3586892	49.65	PPBV	100
55) ETHYLBENZENE	15.12	91	5764119	61.29	PPBV	100
56) m,p-XYLENE	15.31	106	4830541	124.27	PPBV	99
57) o-XYLENE	15.82	106	2433592	63.87	PPBV	99
58) STYRENE	15.70	104	3465000	75.07	PPBV	99
59) NONANE	15.99	43	2563975	57.85	PPBV	99
60) BROMOFORM	15.44	173	3253840m	49.55	PPBV	
62) 1,1,2,2-TETRACHLOROETHANE	15.83	83	3198938	55.02	PPBV	99
63) ISOPROPYLBENZENE	16.45	105	6811310	62.07	PPBV	100
64) 2-CHLOROTOLUENE	17.01	91	4871458	66.10	PPBV	99
65) 4-ETHYLTOLUENE	17.19	105	6684323	74.07	PPBV	100
66) 1,3,5-TRIMETHYLBENZENE	17.28	105	5920272	68.25	PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.74	105	5542437	72.98	PPBV	99
68) m-DICHLOROBENZENE	17.93	146	4062798	70.10	PPBV	99
69) BENZYL CHLORIDE	17.91	91	3384523	74.10	PPBV	99
70) p-DICHLOROBENZENE	18.00	146	3828818	72.85	PPBV	99
71) o-DICHLOROBENZENE	18.39	146	3460186	66.68	PPBV	98
72) HEXACHLOROBUTADIENE	20.76	225	1703155	34.19	PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.28	180	1097085	51.95	PPBV	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10863.D
Acq On : 5 Jul 2007 1:26 pm
Operator : danat
Sample : ic562-40 (M210)
Misc : MS13866, MSJ562,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 05 13:58:42 2007
Quant Method : C:\MSDCHEM\1\METHODS\J070507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jul 05 11:24:31 2007
Response via : Initial Calibration

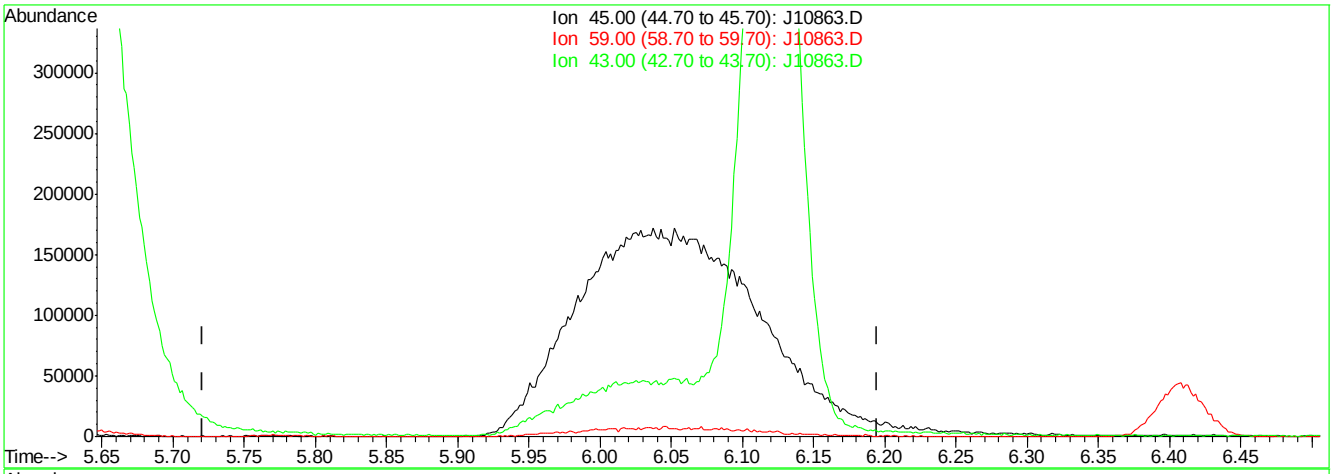


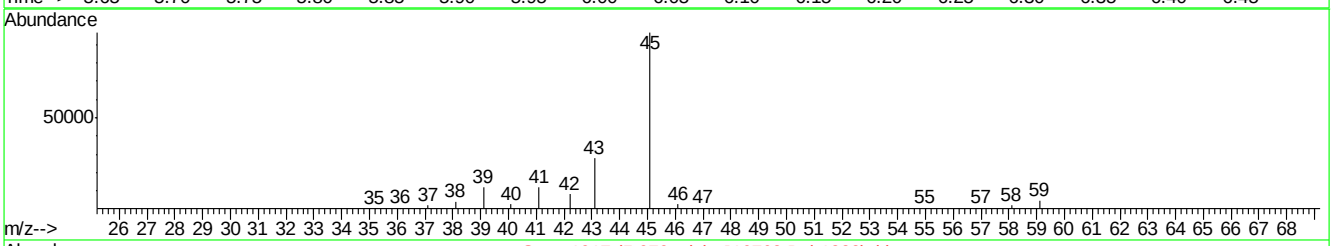
Quantitation Report (Qedit)

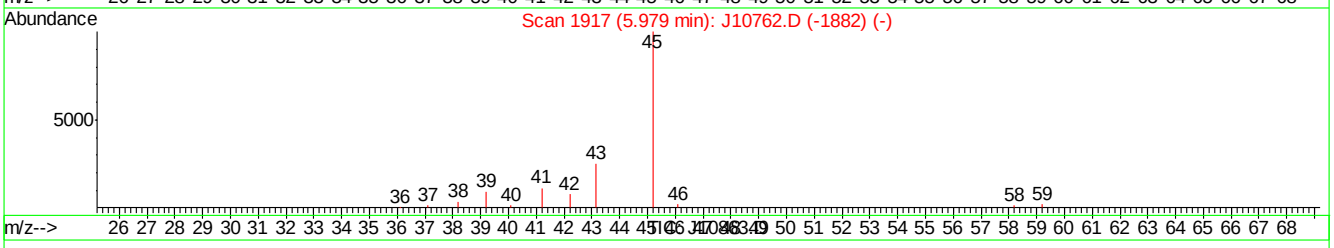
Data File : C:\MSDChem\1\data\J10863.D Vial: 1
Acq On : 5 Jul 2007 1:26 pm Operator: danat
Sample : ic562-40 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 13:56:42 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration







(11) ISOPROPYL ALCOHOL (m)

5.98min 0.00PPBV

response 0

Ion	Exp%	Act%
45.00	100	0.00
59.00	2.20	0.00
43.00	25.50	0.00#
0.00	0.00	0.00

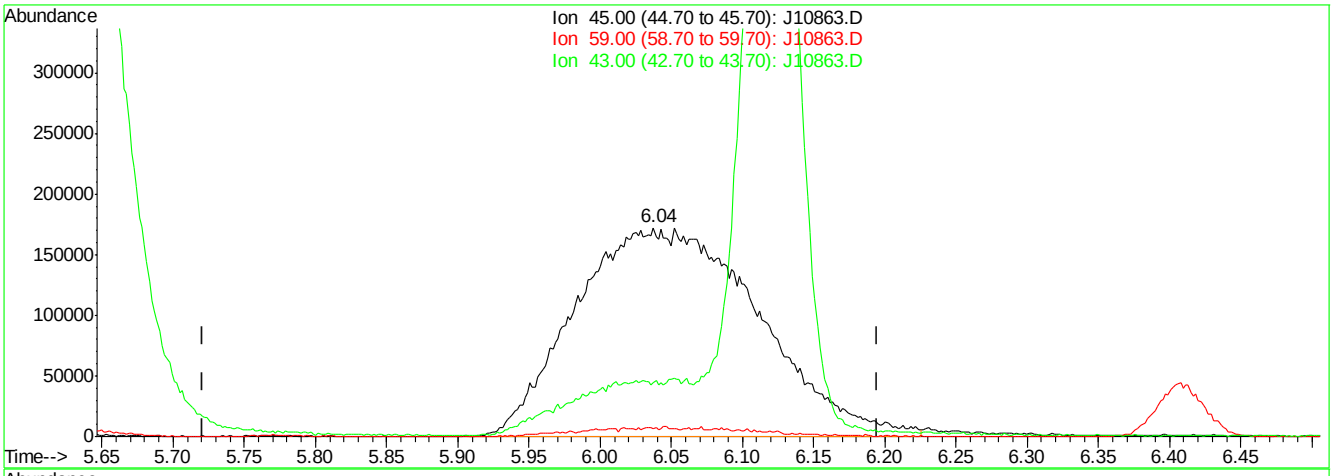
J10863.D J070507T.M Thu Jul 05 13:57:14 2007

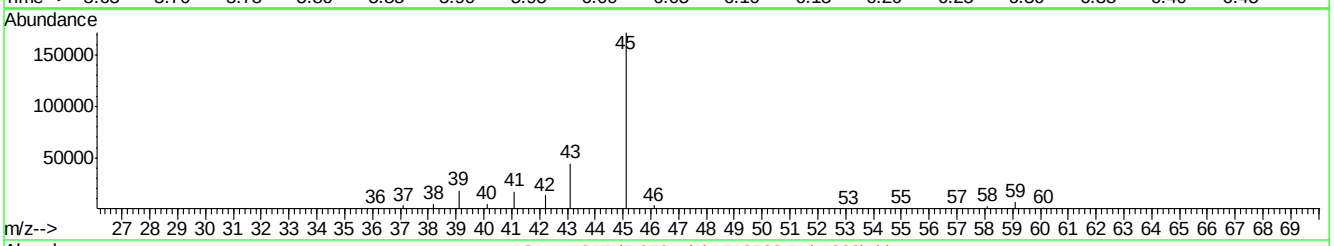
Quantitation Report (Qedit)

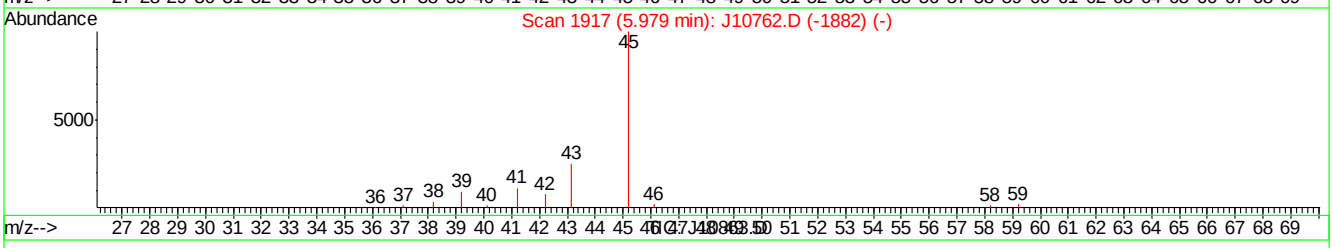
Data File : C:\MSDChem\1\data\J10863.D Vial: 1
Acq On : 5 Jul 2007 1:26 pm Operator: danat
Sample : ic562-40 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 13:56:42 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration







(11) ISOPROPYL ALCOHOL (m)

6.04min 38.89PPBV m

response 1543457

Ion	Exp%	Act%
45.00	100	100
59.00	2.20	4.03
43.00	25.50	25.95
0.00	0.00	0.00

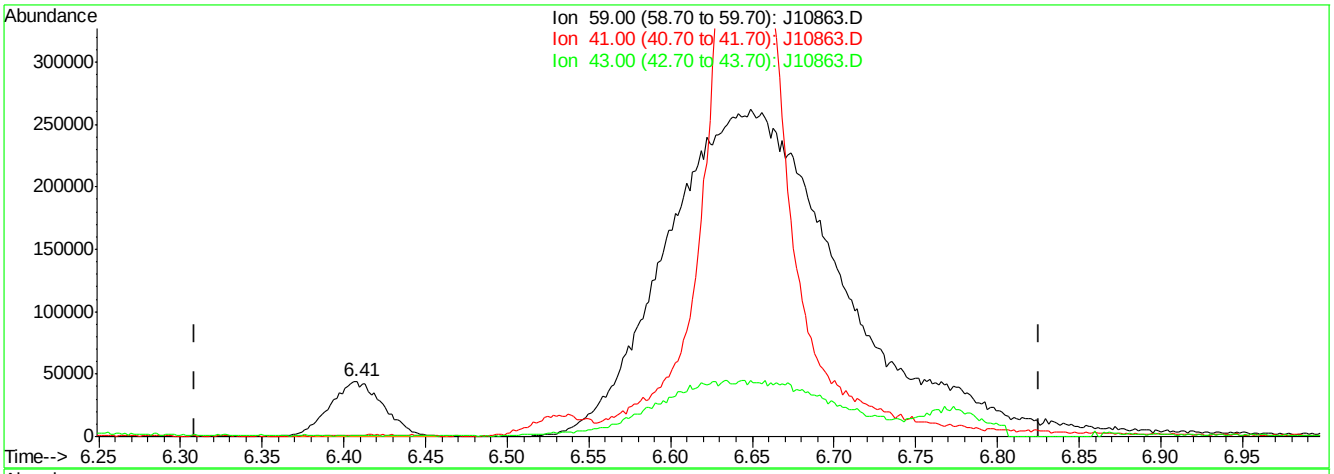
J10863.D J070507T.M Thu Jul 05 13:57:20 2007

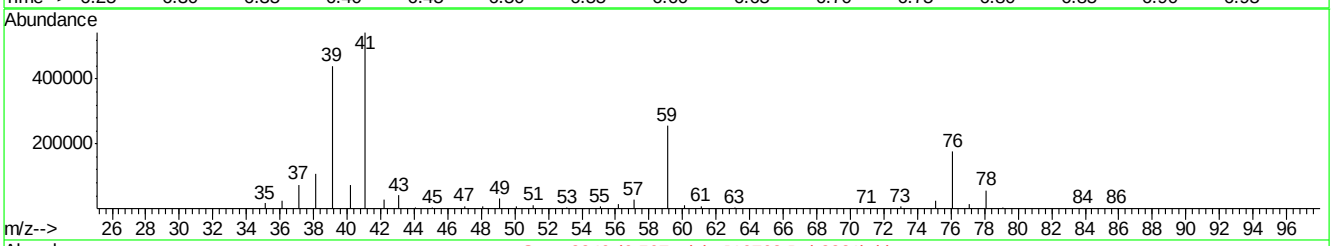
Quantitation Report (Qedit)

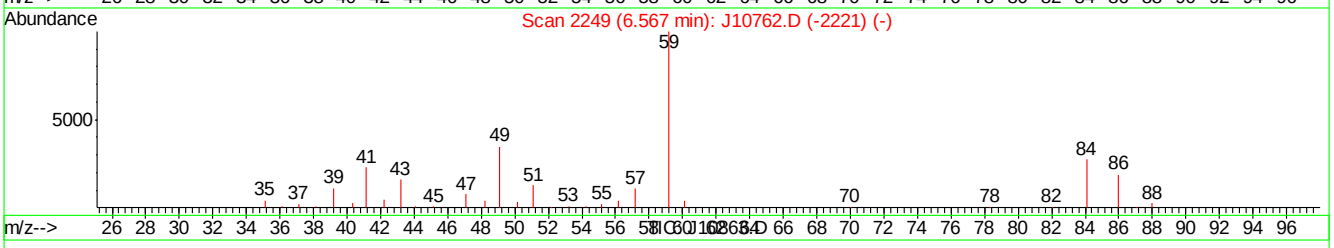
Data File : C:\MSDChem\1\data\J10863.D Vial: 1
Acq On : 5 Jul 2007 1:26 pm Operator: danat
Sample : ic562-40 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 13:56:42 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration







(22) TERTIARY BUTYL ALCOHOL (m)

6.41min 2.31PPBV

response 100889

Ion	Exp%	Act%
59.00	100	100
41.00	22.00	0.00#
43.00	17.20	0.00
0.00	0.00	0.00

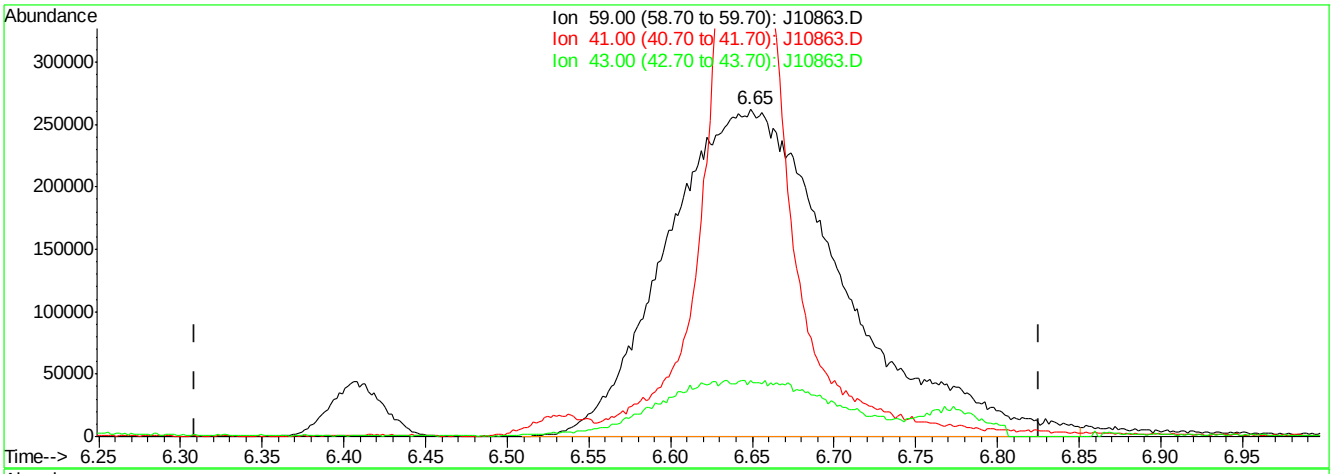
J10863.D J070507T.M Thu Jul 05 13:57:43 2007

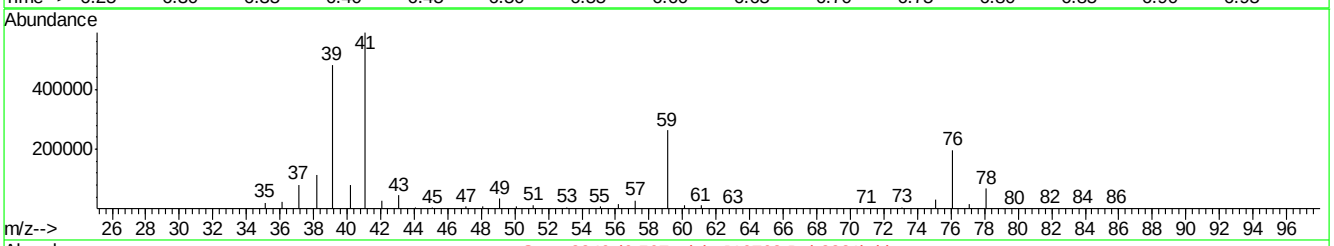
Quantitation Report (Qedit)

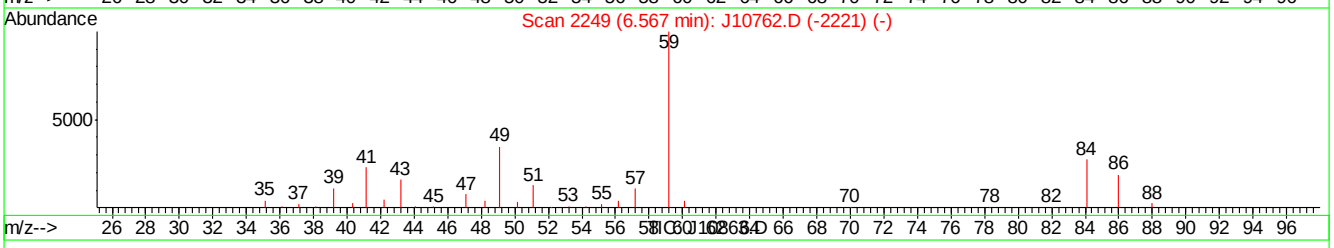
Data File : C:\MSDChem\1\data\J10863.D Vial: 1
Acq On : 5 Jul 2007 1:26 pm Operator: danat
Sample : ic562-40 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 13:56:42 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration







(22) TERTIARY BUTYL ALCOHOL (m)

6.65min 44.82PPBV m

response 1955300

Ion	Exp%	Act%
59.00	100	100
41.00	22.00	0.00#
43.00	17.20	0.00
0.00	0.00	0.00

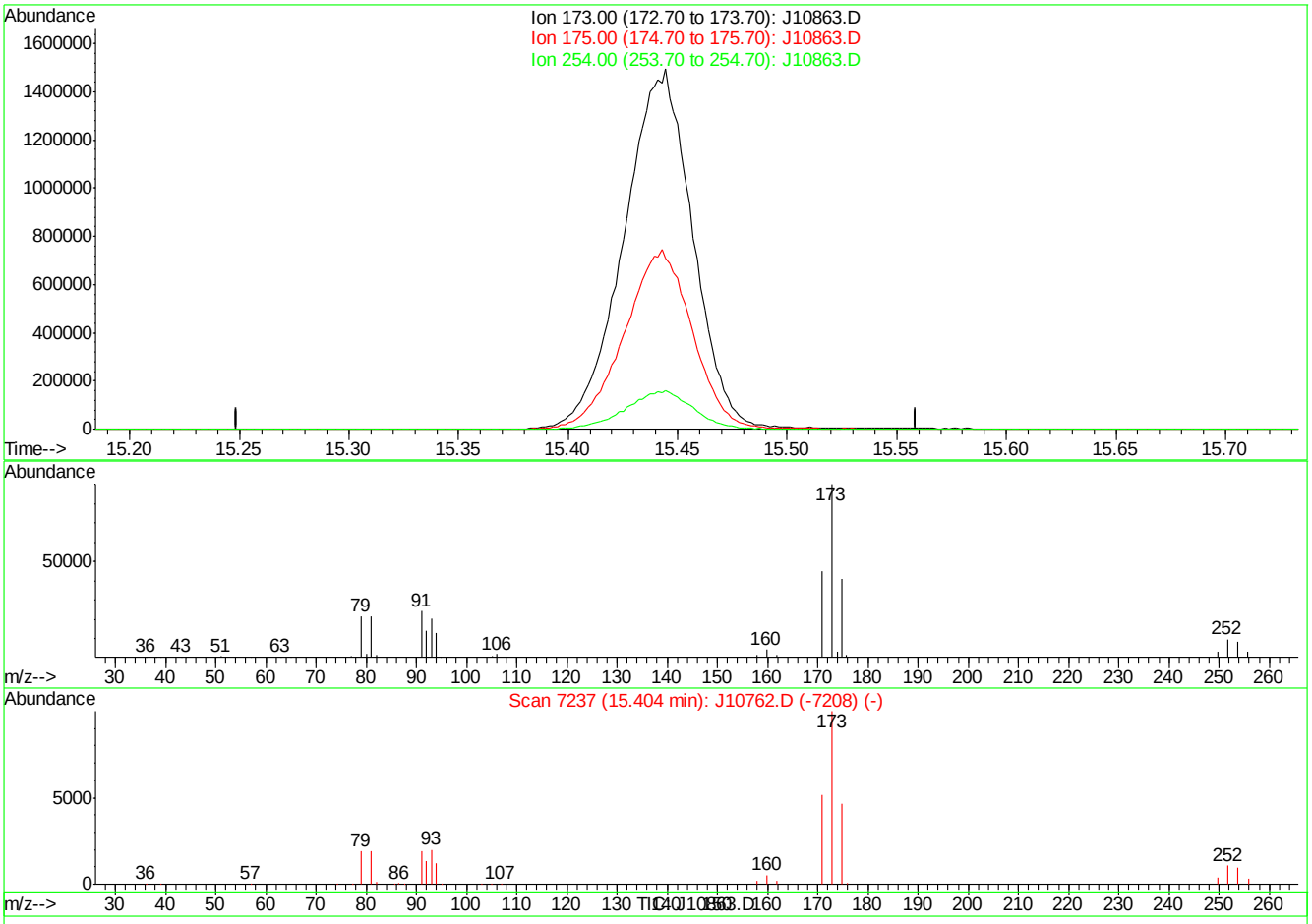
J10863.D J070507T.M Thu Jul 05 13:57:49 2007

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10863.D Vial: 1
Acq On : 5 Jul 2007 1:26 pm Operator: danat
Sample : ic562-40 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 13:56:42 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration



(60) BROMOFORM (m)

15.40min 0.00PPBV

response 0

Ion	Exp%	Act%
173.00	100	0.00
175.00	49.10	0.00#
254.00	9.90	0.00
0.00	0.00	0.00

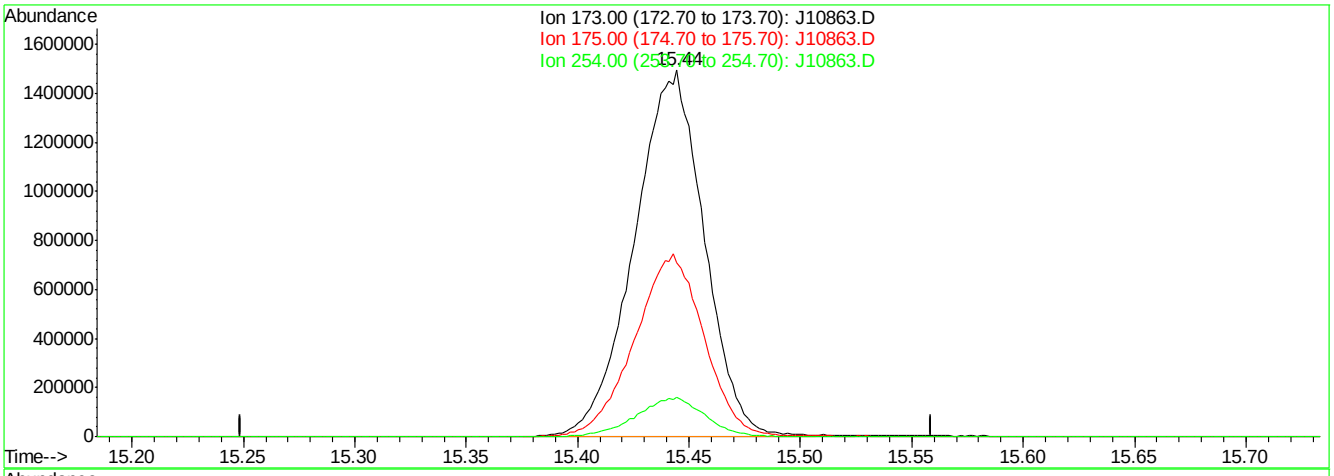
J10863.D J070507T.M Thu Jul 05 13:58:23 2007

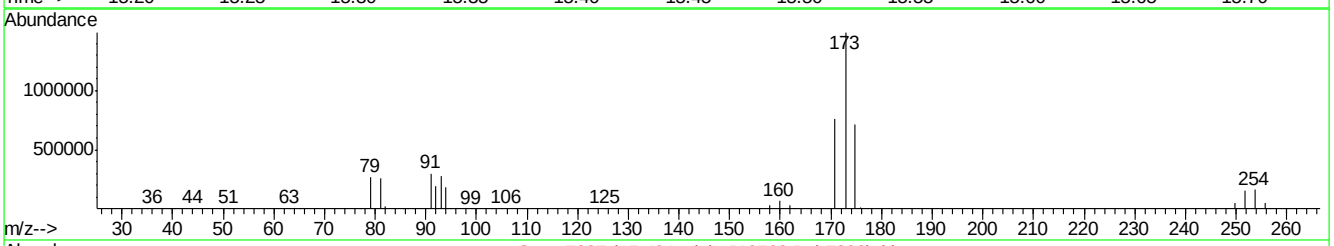
Quantitation Report (Qedit)

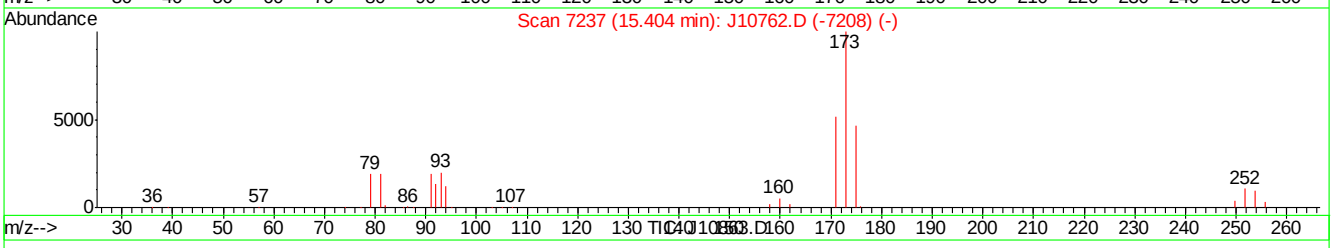
Data File : C:\MSDChem\1\data\J10863.D Vial: 1
Acq On : 5 Jul 2007 1:26 pm Operator: danat
Sample : ic562-40 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 13:56:42 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration







(60) BROMOFORM (m)

15.44min 49.55PPBV m

response 3253840

Ion	Exp%	Act%
173.00	100	100
175.00	49.10	0.00#
254.00	9.90	0.00
0.00	0.00	0.00

J10863.D J070507T.M Thu Jul 05 13:58:29 2007

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 07/11/07 09:41

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10864.D
Acq On : 5 Jul 2007 2:22 pm
Operator : danat
Sample : ic562-20 (M210)
Misc : MS13866, MSJ562,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 05 15:04:41 2007
Quant Method : C:\MSDCHEM\1\METHODS\J070507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jul 05 11:24:31 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.60	128	365307	10.00	PPBV	-0.02
35) 1,4-DIFLUOROBENZENE	10.43	114	1518441	10.00	PPBV	-0.01
49) CHLOROBENZENE-D5	14.68	117	1386139m	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.31	95	477430	5.45	PPBV	0.01
Spiked Amount 5.000	Range 51 - 142		Recovery = 109.00%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.06	85	1535648	11.81	PPBV	100
3) PROPYLENE	3.99	41	268055	14.01	PPBV	97
4) FREON 114	4.31	85	1434256	12.66	PPBV	97
5) CHLOROMETHANE	4.22	50	348958	12.40	PPBV	97
6) VINYL CHLORIDE	4.44	62	439116	13.60	PPBV	94
7) 1,3-BUTADIENE	4.57	39	352245	15.42	PPBV	100
8) BROMOMETHANE	4.84	94	646187	17.64	PPBV	99
9) CHLOROETHANE	5.01	64	278465	18.62	PPBV	99
10) TRICHLOROFLUOROMETHANE	5.77	101	2228889	16.31	PPBV	99
11) ISOPROPYL ALCOHOL	5.97	45	785813m	18.98	PPBV	
12) ACETONE	5.63	43	740790	10.47	PPBV	98
13) PENTANE	6.11	42	545201	16.34	PPBV	98
14) 1,1-DICHLOROETHYLENE	6.40	96	706399	20.26	PPBV	99
15) CARBON DISULFIDE	6.82	76	2008630	18.99	PPBV	99
16) ETHANOL	5.21	45	130953	17.80	PPBV	95
17) BROMOETHENE	5.36	106	678826	19.21	PPBV	99
18) METHYLENE CHLORIDE	6.52	84	611385	9.33	PPBV	98
19) 3-CHLOROPROPENE	6.63	39	577004	20.95	PPBV	94
20) FREON 113	6.76	151	1434964	16.78	PPBV	96
21) TRANS-1,2-DICHLOROETHYLENE	7.43	96	699399	20.78	PPBV	99
22) TERTIARY BUTYL ALCOHOL	6.57	59	1036086	22.77	PPBV	93
23) METHYL TERTIARY BUTYL ETHE	7.70	73	1492765	21.41	PPBV	99
24) TETRAHYDROFURAN	9.15	42	477644	22.57	PPBV	99
25) HEXANE	8.61	57	796209	18.81	PPBV	97
26) VINYL ACETATE	7.78	43	992991	21.37	PPBV	98
27) 1,1-DICHLOROETHANE	7.63	63	1140494	19.40	PPBV	100
28) METHYL ETHYL KETONE	8.06	43	923256	20.87	PPBV	97
29) cis-1,2-DICHLOROETHYLENE	8.44	96	675636	21.05	PPBV	99
30) ETHYL ACETATE	8.68	43	1037724	22.70	PPBV	96
31) CHLOROFORM	8.73	83	1579562	19.17	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.67	97	1761768	18.45	PPBV	100
33) CARBON TETRACHLORIDE	10.24	117	2090440	17.68	PPBV	99
34) 1,2-DICHLOROETHANE	9.44	62	909960	19.14	PPBV	99
36) BENZENE	10.11	78	1699563	23.91	PPBV	99
37) CYCLOHEXANE	10.35	84	783977	22.75	PPBV	98
38) TRICHLOROETHYLENE	11.11	95	863825	22.00	PPBV	99
39) 1,2-DICHLOROPROPANE	10.89	63	540869	22.47	PPBV	96
40) BROMODICHLOROMETHANE	11.08	83	1484426	21.01	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.11	57	2748943	25.58	PPBV	99
42) 1,4-DIOXANE	11.17	88	315947	23.90	PPBV	94
43) HEPTANE	11.35	43	865260	25.49	PPBV	99

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10864.D
Acq On : 5 Jul 2007 2:22 pm
Operator : danat
Sample : ic562-20 (M210)
Misc : MS13866, MSJ562,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 05 15:04:41 2007
Quant Method : C:\MSDCHEM\1\METHODS\J070507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jul 05 11:24:31 2007
Response via : Initial Calibration

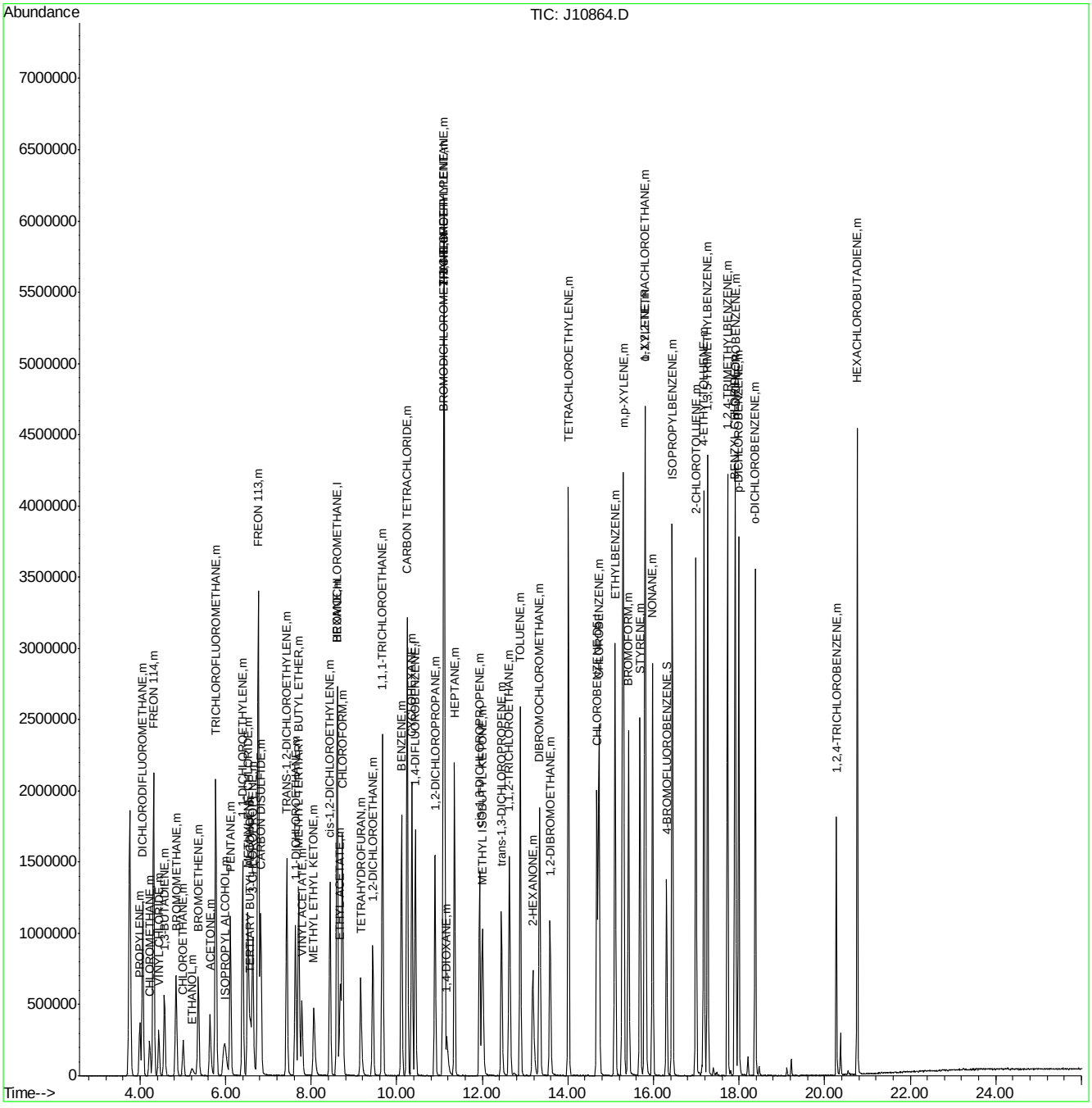
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.00	43	1043161	24.23	PPBV	99
45) cis-1,3-DICHLOROPROPENE	11.93	75	842953	26.03	PPBV	98
46) TOLUENE	12.89	92	1184576	25.13	PPBV	100
47) trans-1,3-DICHLOROPROPENE	12.45	75	814312m	27.09	PPBV	
48) 1,1,2-TRICHLOROETHANE	12.63	83	554837	21.36	PPBV	100
50) 2-HEXANONE	13.18	43	879787	26.35	PPBV	99
51) TETRACHLOROETHYLENE	14.01	164	977744	21.29	PPBV	99
52) DIBROMOCHLOROMETHANE	13.34	129	1454965	21.19	PPBV	100
53) 1,2-DIBROMOETHANE	13.58	107	1049086	23.04	PPBV	100
54) CHLOROBENZENE	14.72	112	1608101	22.05	PPBV	98
55) ETHYLBENZENE	15.10	91	2583679	27.22	PPBV	100
56) m,p-XYLENE	15.29	106	2122882	54.11	PPBV	100
57) o-XYLENE	15.80	106	1058229	27.52	PPBV	99
58) STYRENE	15.68	104	1486315	31.90	PPBV	99
59) NONANE	15.98	43	1127032	25.19	PPBV	99
60) BROMOFORM	15.42	173	1435182m	21.65	PPBV	
62) 1,1,2,2-TETRACHLOROETHANE	15.81	83	1397530m	23.81	PPBV	
63) ISOPROPYLBENZENE	16.44	105	2993529m	27.03	PPBV	
64) 2-CHLOROTOLUENE	16.99	91	2109180	28.35	PPBV	98
65) 4-ETHYLTOLUENE	17.18	105	2774205m	30.46	PPBV	
66) 1,3,5-TRIMETHYLBENZENE	17.27	105	2505745	28.62	PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.73	105	2269340	29.61	PPBV	99
68) m-DICHLOROBENZENE	17.91	146	1619644	27.69	PPBV	99
69) BENZYL CHLORIDE	17.90	91	1347521	29.23	PPBV	99
70) p-DICHLOROBENZENE	17.99	146	1532314	28.89	PPBV	100
71) o-DICHLOROBENZENE	18.38	146	1380046	26.35	PPBV	98
72) HEXACHLOROBUTADIENE	20.76	225	763310	15.18	PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.27	180	477031	22.38	PPBV	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10864.D
Acq On : 5 Jul 2007 2:22 pm
Operator : danat
Sample : ic562-20 (M210)
Misc : MS13866, MSJ562,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 05 15:04:41 2007
Quant Method : C:\MSDCHEM\1\METHODS\J070507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jul 05 11:24:31 2007
Response via : Initial Calibration

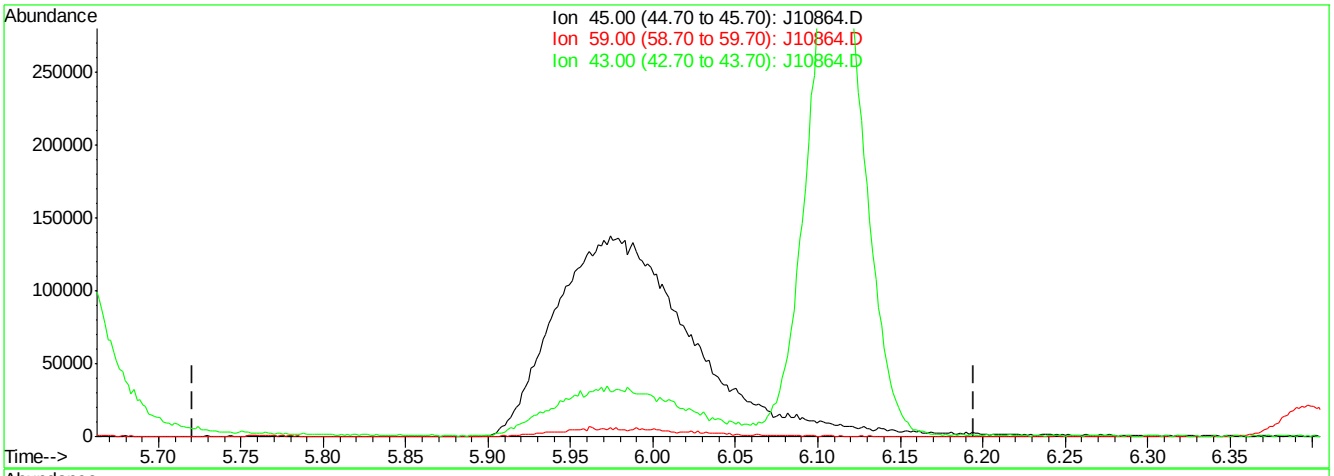


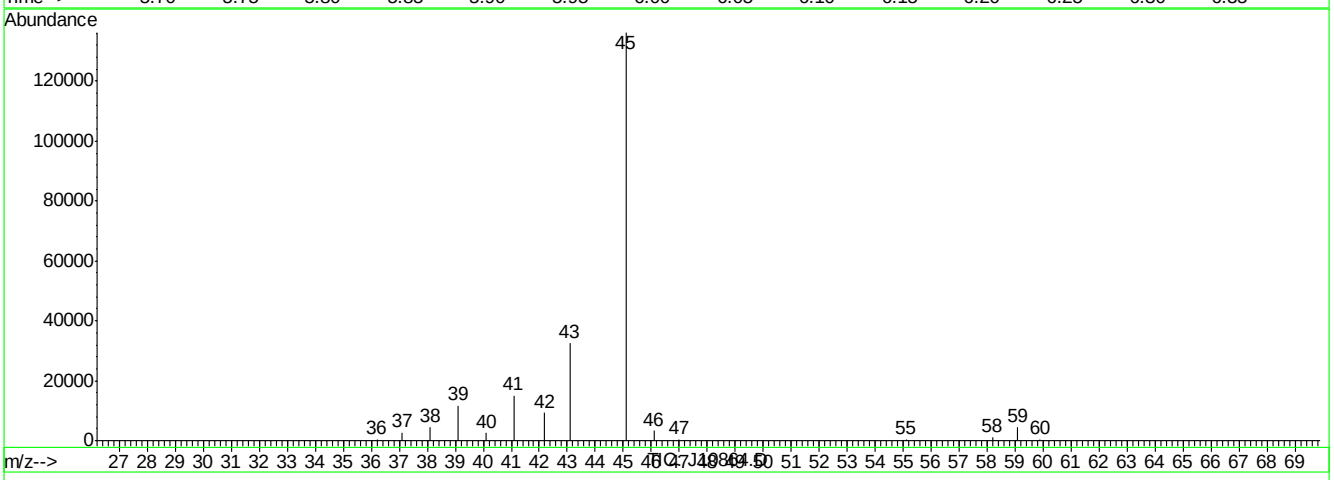
Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10864.D Vial: 1
Acq On : 5 Jul 2007 2:22 pm Operator: danat
Sample : ic562-20 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 15:00:43 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration





(11) ISOPROPYL ALCOHOL (m)

5.98min 0.00PPBV

response 0

Ion	Exp%	Act%
45.00	100	0.00
59.00	2.20	0.00
43.00	25.50	0.00#
0.00	0.00	0.00

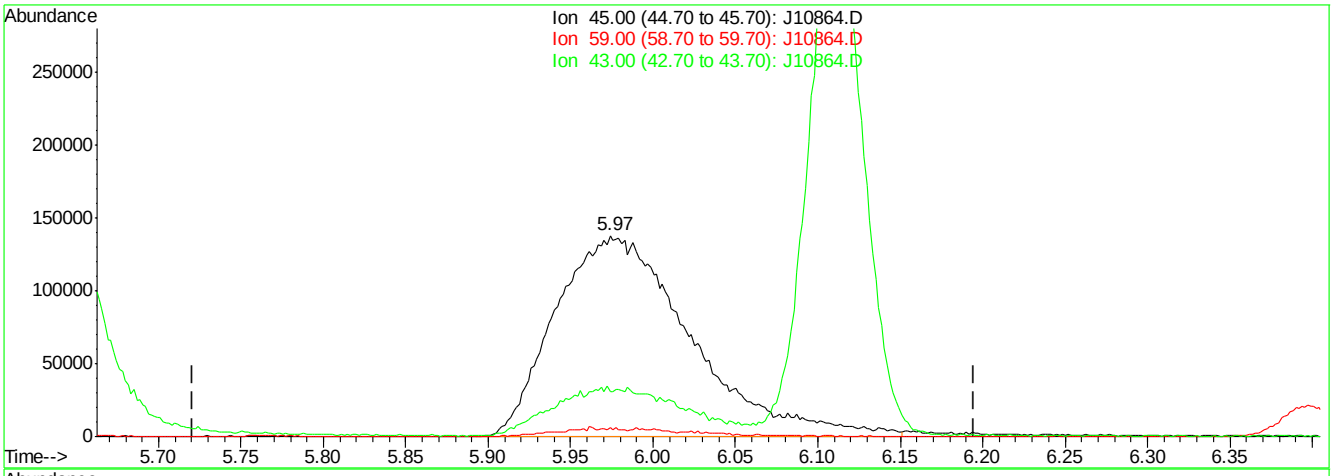
J10864.D J070507T.M Thu Jul 05 15:01:08 2007

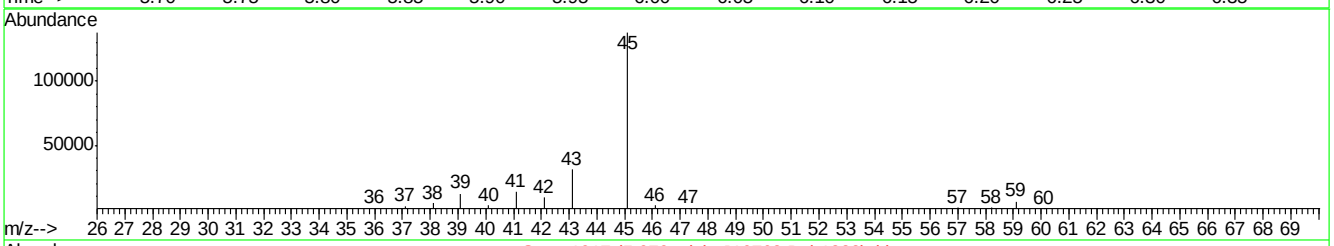
Quantitation Report (Qedit)

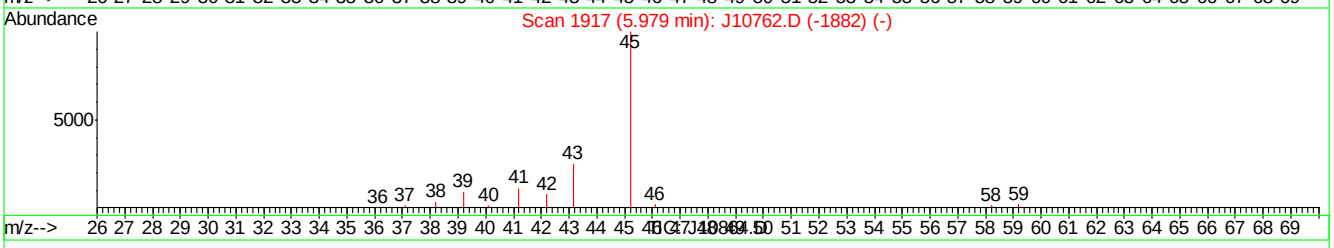
Data File : C:\MSDChem\1\data\J10864.D Vial: 1
Acq On : 5 Jul 2007 2:22 pm Operator: danat
Sample : ic562-20 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 15:00:43 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration







(11) ISOPROPYL ALCOHOL (m)

5.97min 18.98PPBV m

response 785813

Ion	Exp%	Act%
45.00	100	100
59.00	2.20	4.33
43.00	25.50	22.47
0.00	0.00	0.00

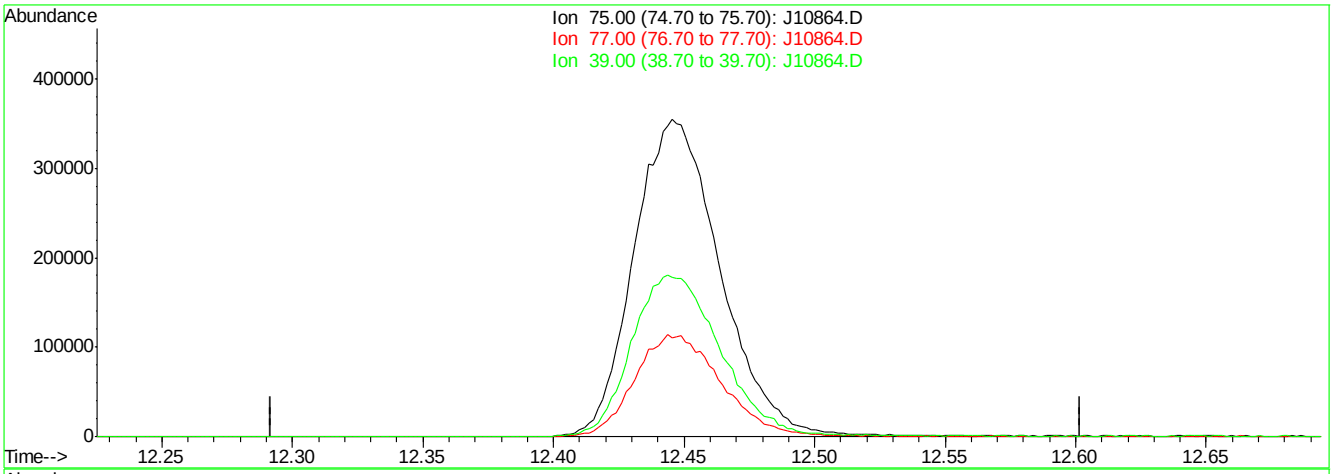
J10864.D J070507T.M Thu Jul 05 15:01:16 2007

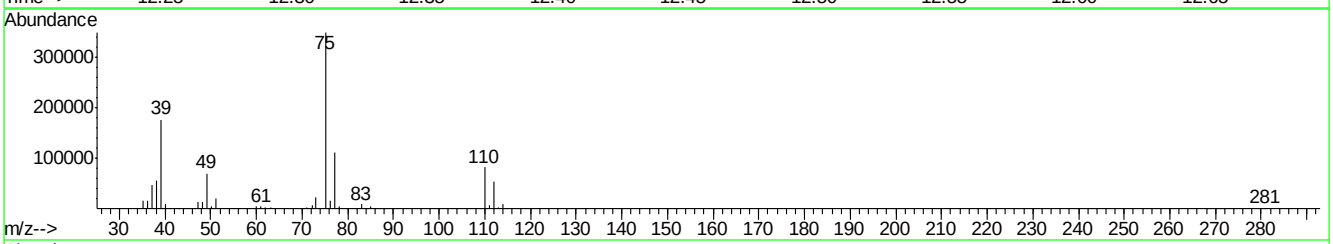
Quantitation Report (Qedit)

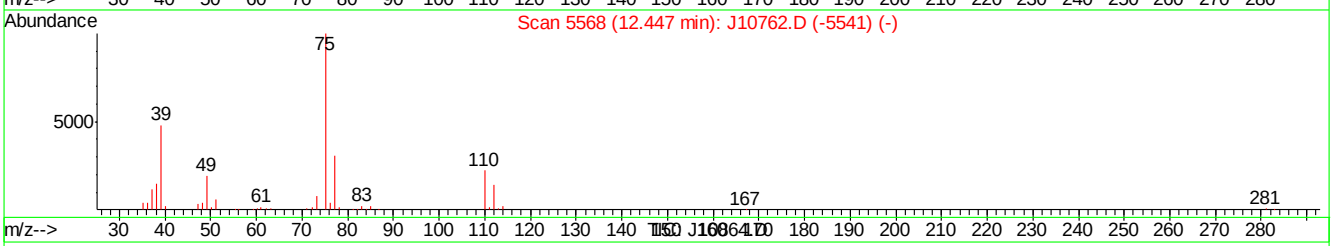
Data File : C:\MSDChem\1\data\J10864.D Vial: 1
Acq On : 5 Jul 2007 2:22 pm Operator: danat
Sample : ic562-20 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 15:00:43 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration







(47) trans-1,3-DICHLOROPROPENE (m)

12.45min 0.00PPBV

response 0

Ion	Exp%	Act%
75.00	100	0.00
77.00	32.00	0.00#
39.00	49.20	0.00#
0.00	0.00	0.00

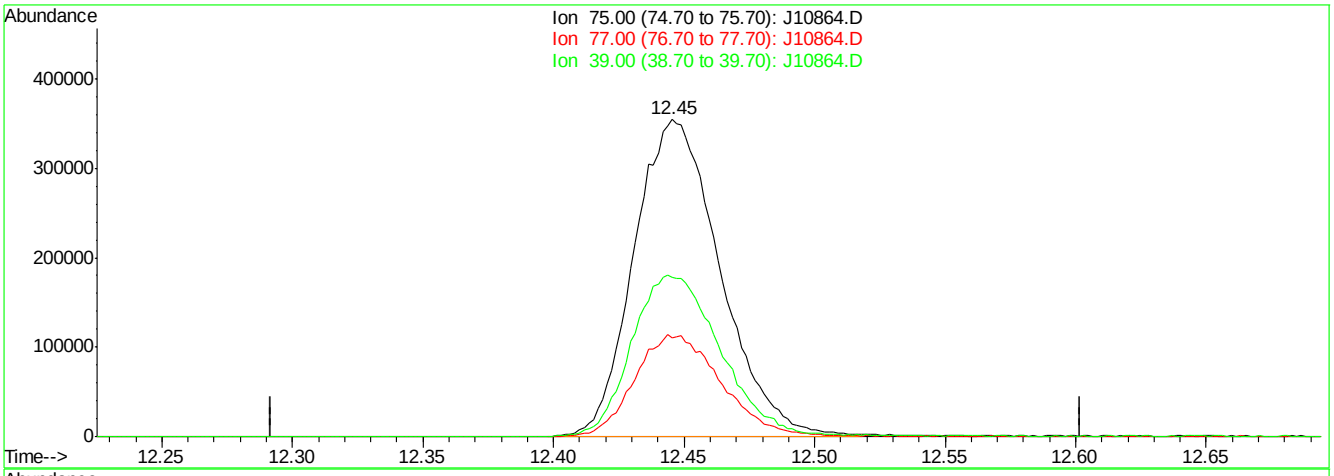
J10864.D J070507T.M Thu Jul 05 15:01:49 2007

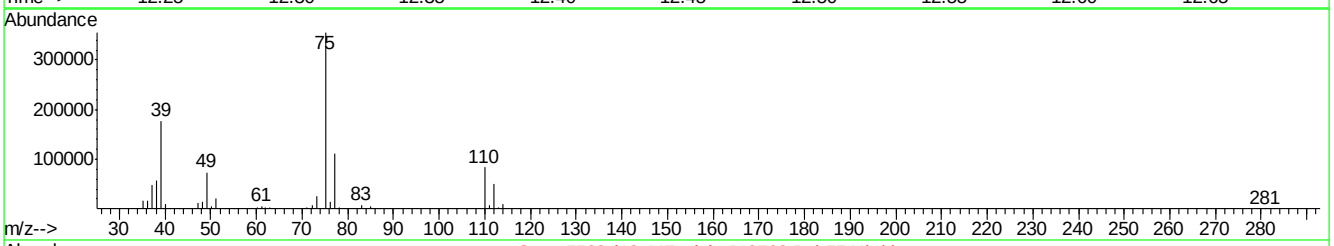
Quantitation Report (Qedit)

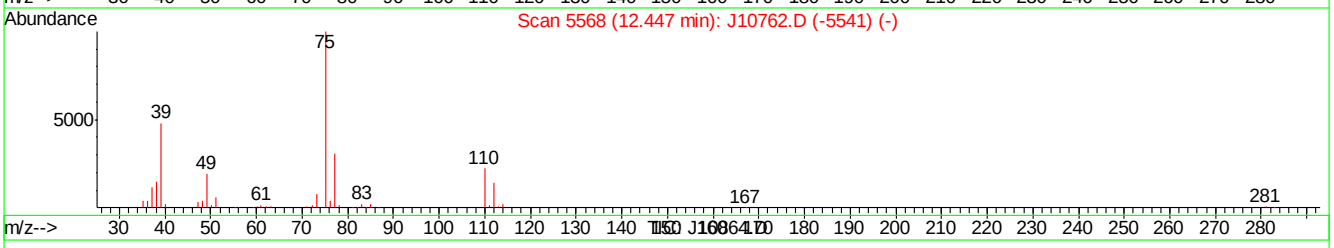
Data File : C:\MSDChem\1\data\J10864.D Vial: 1
Acq On : 5 Jul 2007 2:22 pm Operator: danat
Sample : ic562-20 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 15:00:43 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration







(47) trans-1,3-DICHLOROPROPENE (m)

12.45min 27.09PPBV m

response 814312

Ion	Exp%	Act%
75.00	100	100
77.00	32.00	0.00#
39.00	49.20	0.00#
0.00	0.00	0.00

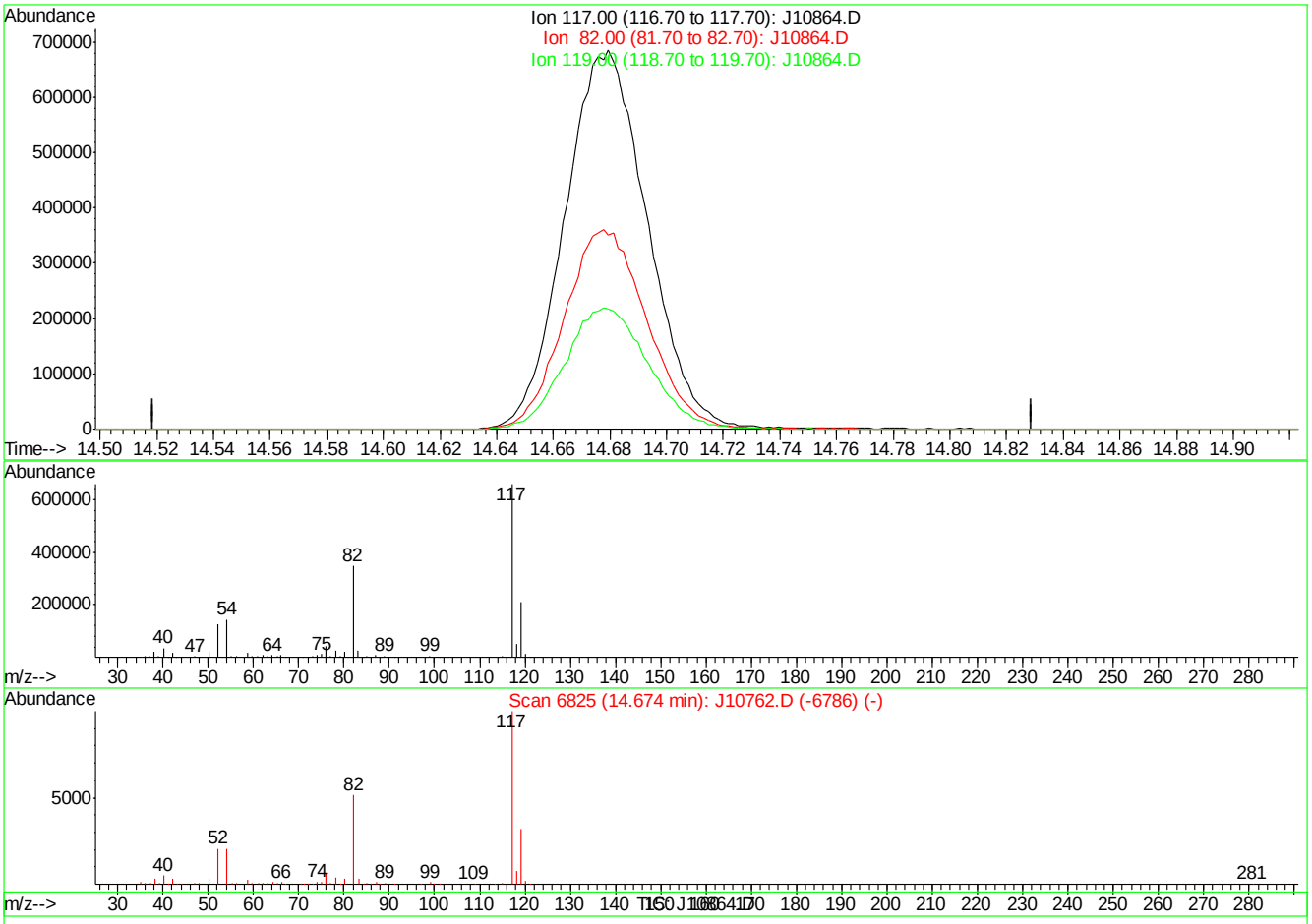
J10864.D J070507T.M Thu Jul 05 15:01:55 2007

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10864.D Vial: 1
Acq On : 5 Jul 2007 2:22 pm Operator: danat
Sample : ic562-20 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 15:00:43 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 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

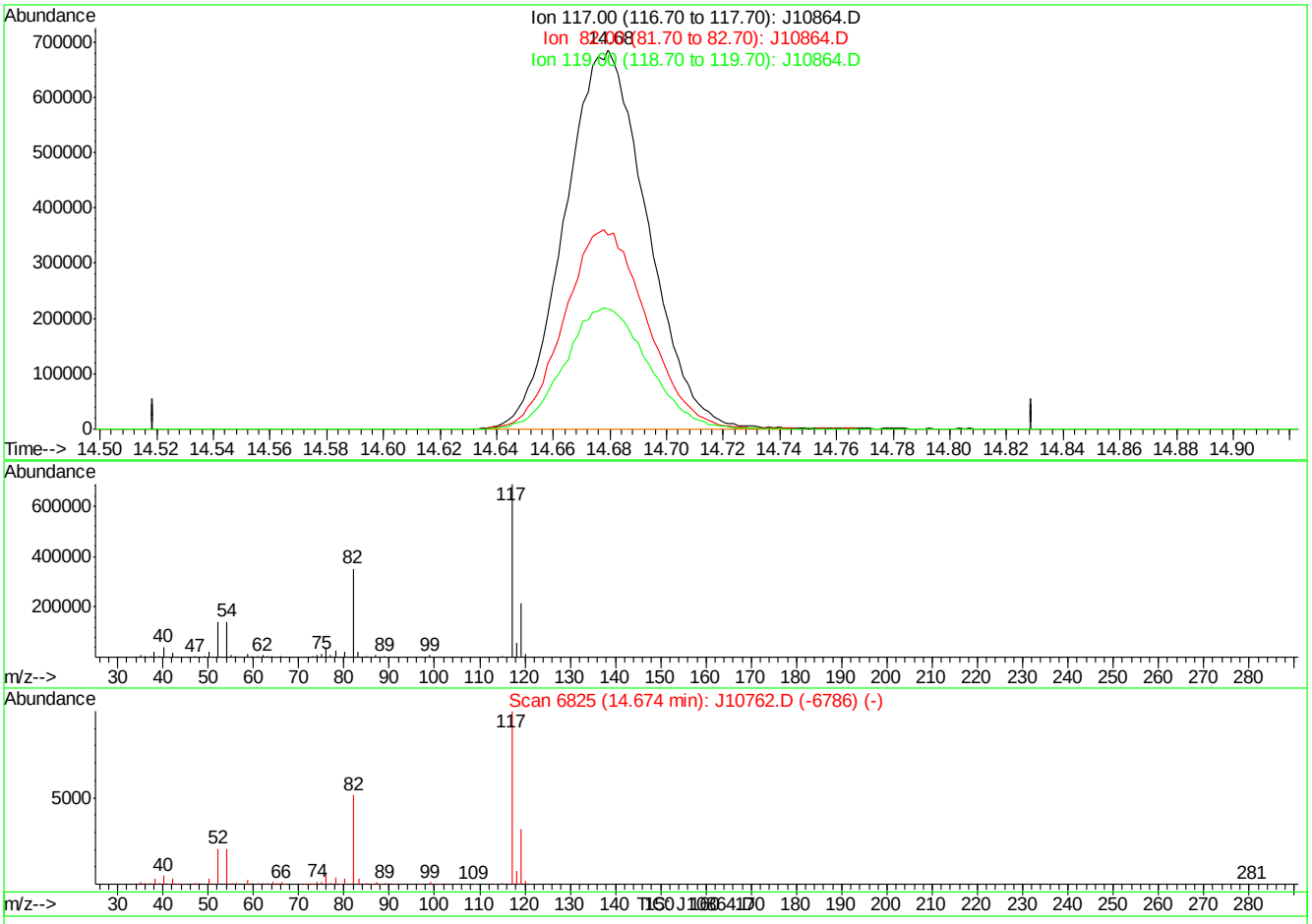
J10864.D J070507T.M Thu Jul 05 15:02:00 2007

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10864.D Vial: 1
Acq On : 5 Jul 2007 2:22 pm Operator: danat
Sample : ic562-20 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 15:00:43 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration



(49) CHLOROBENZENE-D5 (I)

14.68min 10.00PPBV m

response 1386139

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

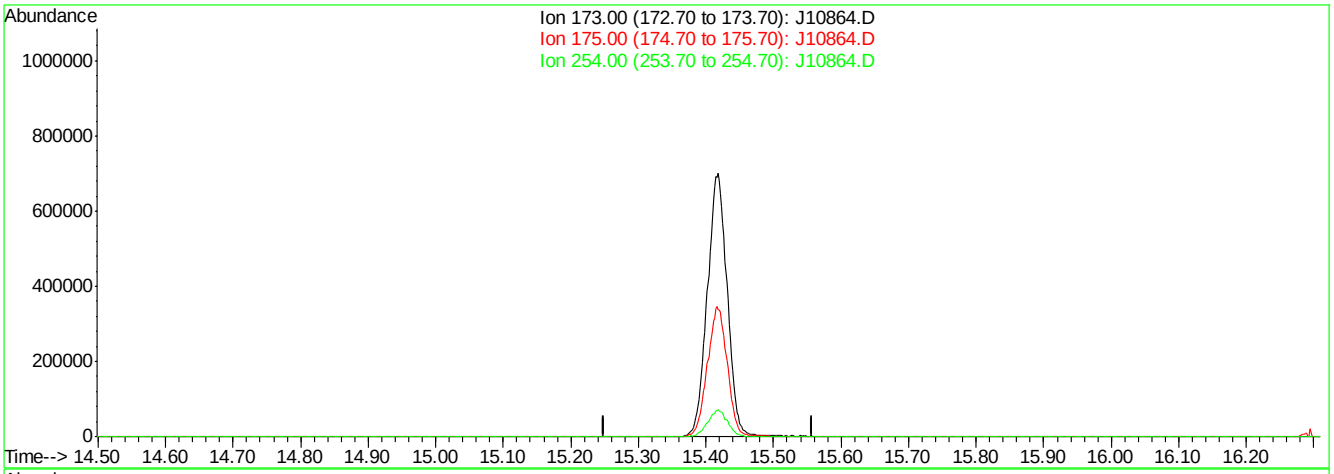
J10864.D J070507T.M Thu Jul 05 15:02:05 2007

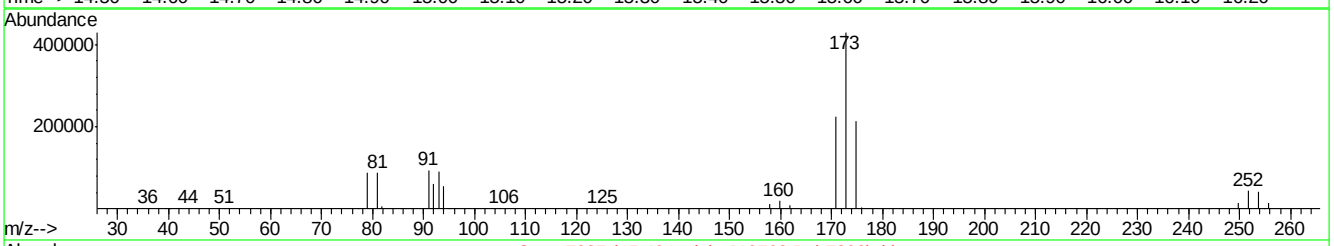
Quantitation Report (Qedit)

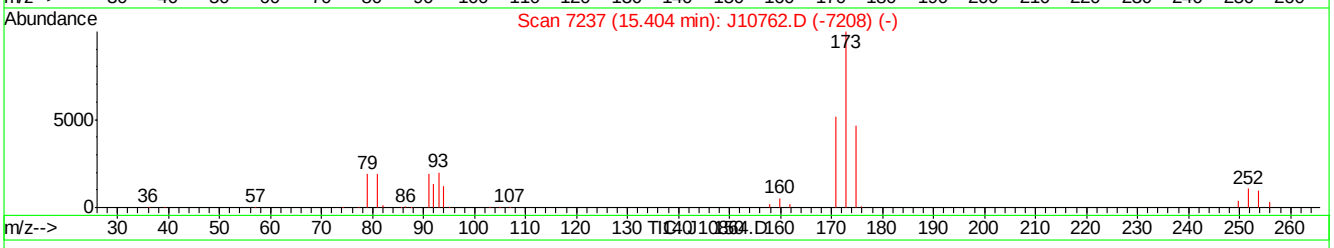
Data File : C:\MSDChem\1\data\J10864.D Vial: 1
Acq On : 5 Jul 2007 2:22 pm Operator: danat
Sample : ic562-20 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 15:00:43 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration







(60) BROMOFORM (m)

15.40min 0.00PPBV

response 0

Ion	Exp%	Act%
173.00	100	0.00
175.00	49.10	0.00#
254.00	9.90	0.00
0.00	0.00	0.00

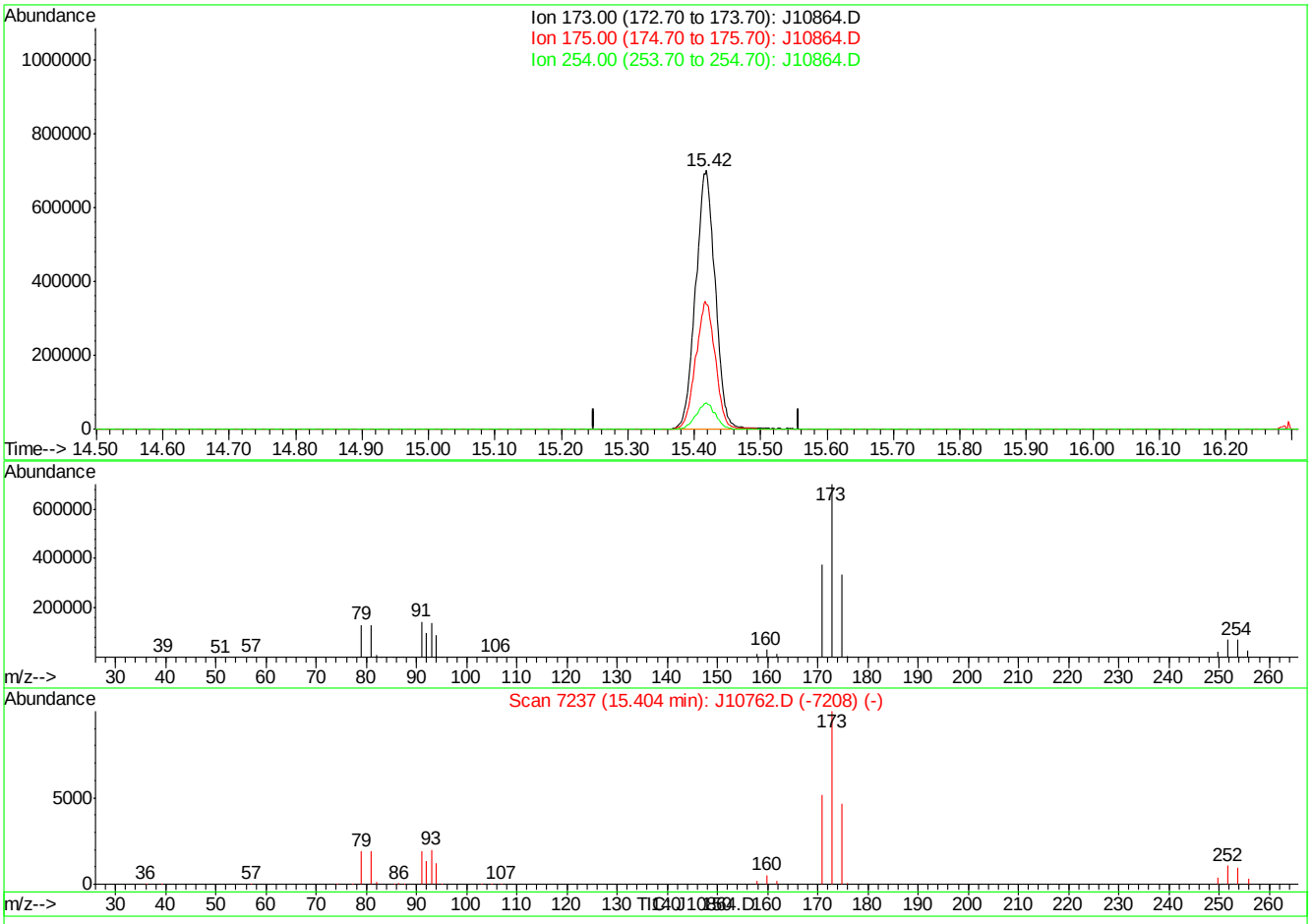
J10864.D J070507T.M Thu Jul 05 15:02:16 2007

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10864.D Vial: 1
Acq On : 5 Jul 2007 2:22 pm Operator: danat
Sample : ic562-20 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 15:00:43 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration



(60) BROMOFORM (m)

15.42min 21.65PPBV m

response 1435182

Ion	Exp%	Act%
173.00	100	100
175.00	49.10	0.00#
254.00	9.90	0.00
0.00	0.00	0.00

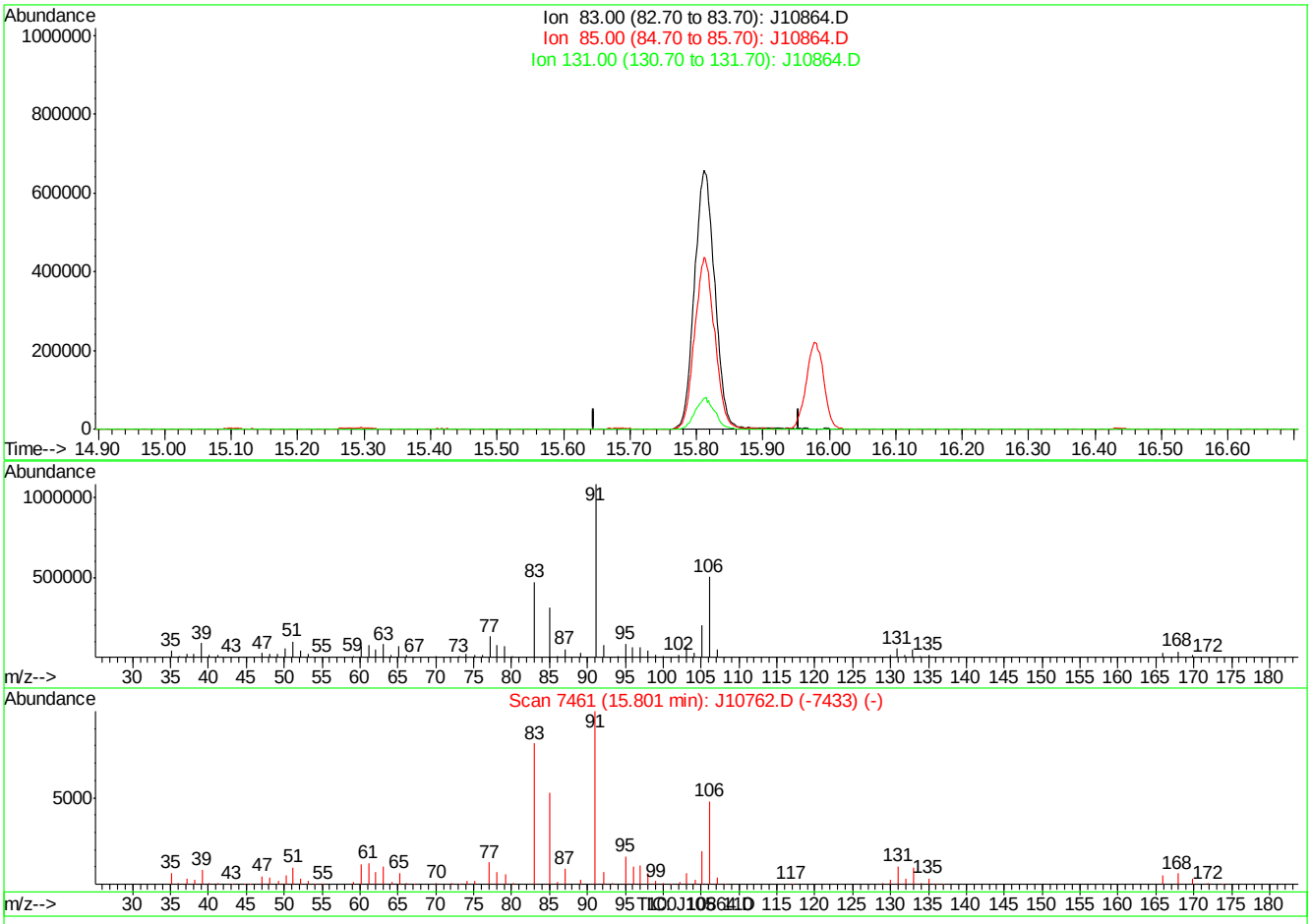
J10864.D J070507T.M Thu Jul 05 15:02:22 2007

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10864.D Vial: 1
Acq On : 5 Jul 2007 2:22 pm Operator: danat
Sample : ic562-20 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 15:00:43 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 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

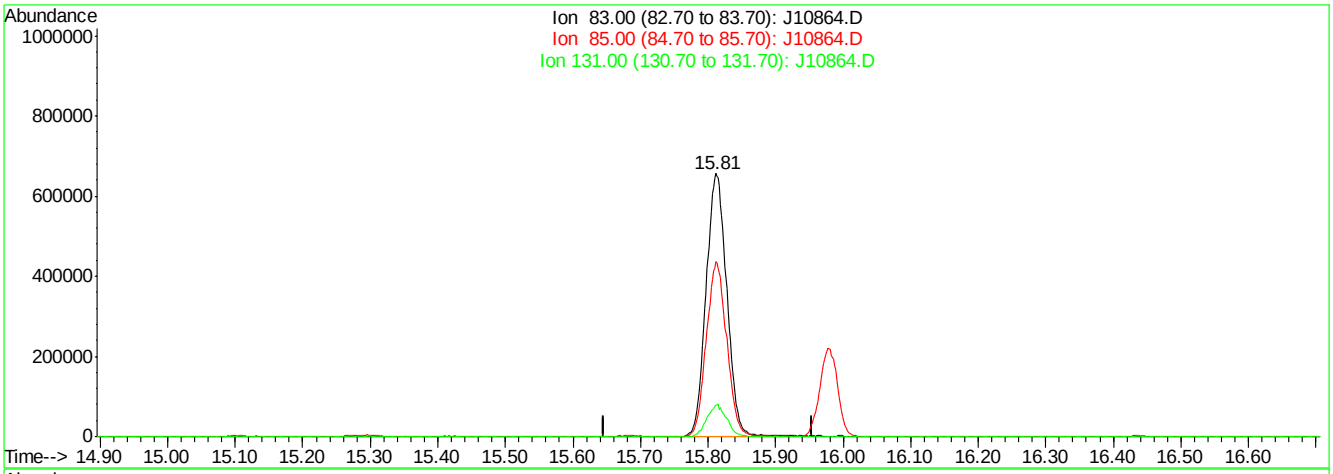
J10864.D J070507T.M Thu Jul 05 15:02:27 2007

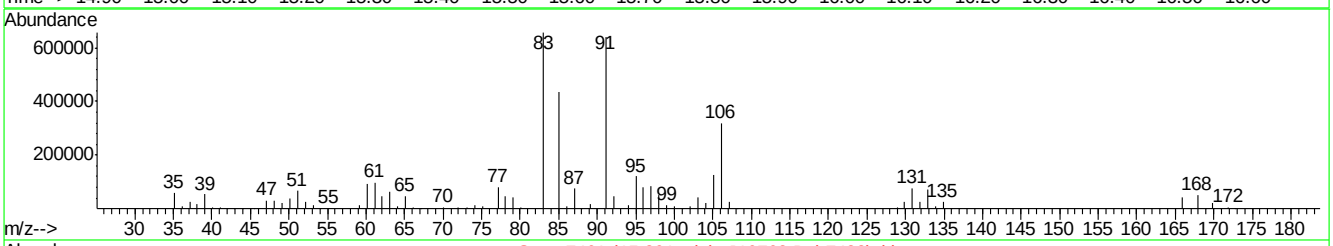
Quantitation Report (Qedit)

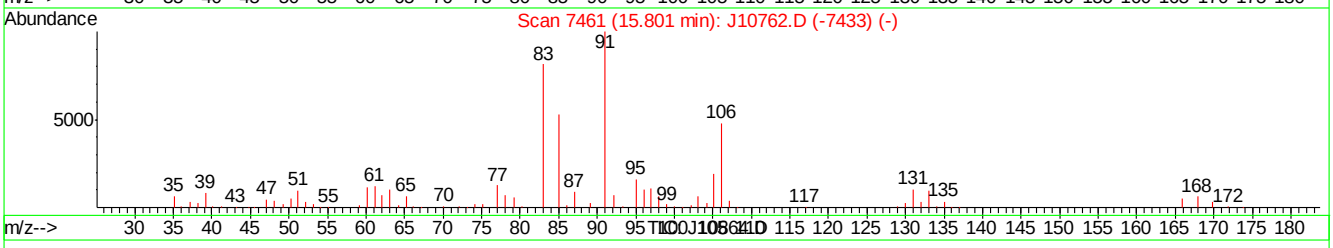
Data File : C:\MSDChem\1\data\J10864.D Vial: 1
Acq On : 5 Jul 2007 2:22 pm Operator: danat
Sample : ic562-20 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 15:00:43 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration







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

15.81min 23.81PPBV m

response 1397530

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

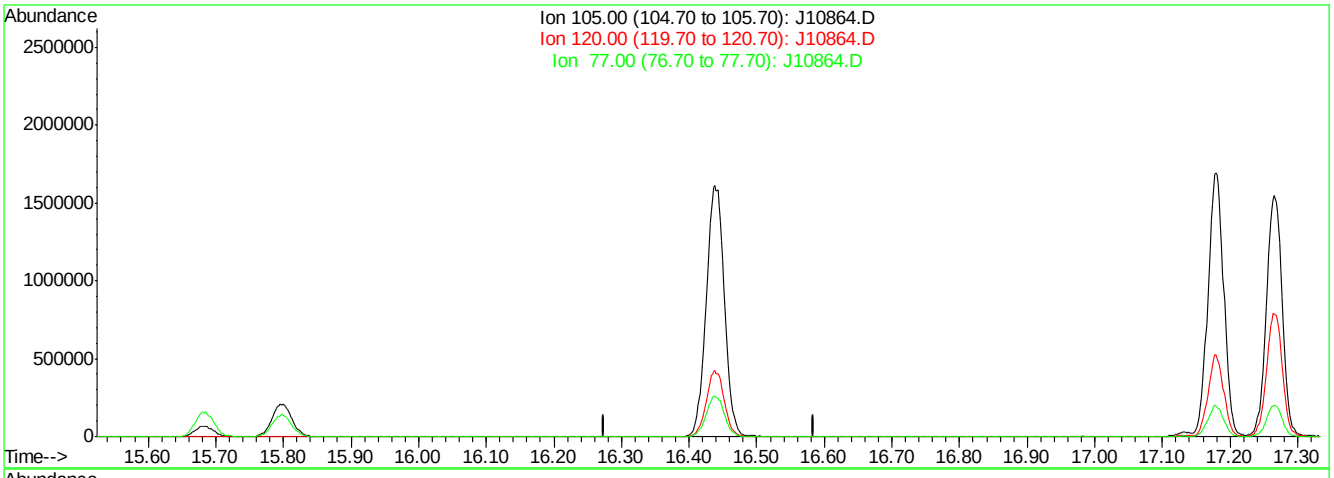
J10864.D J070507T.M Thu Jul 05 15:02:31 2007

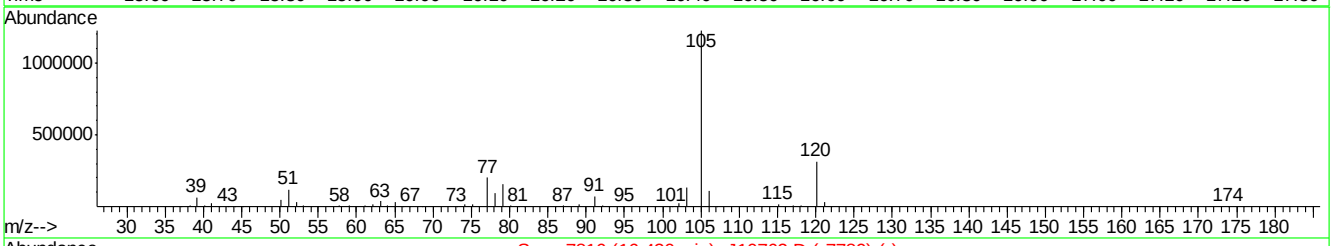
Quantitation Report (Qedit)

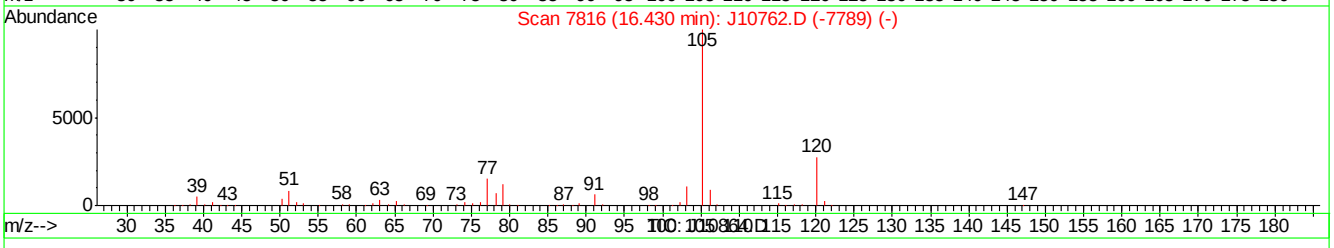
Data File : C:\MSDChem\1\data\J10864.D Vial: 1
Acq On : 5 Jul 2007 2:22 pm Operator: danat
Sample : ic562-20 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 15:00:43 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration







(63) ISOPROPYLBENZENE (m)

16.43min 0.00PPBV

response 0

Ion	Exp%	Act%
105.00	100	0.00
120.00	26.60	0.00#
77.00	15.90	0.00
0.00	0.00	0.00

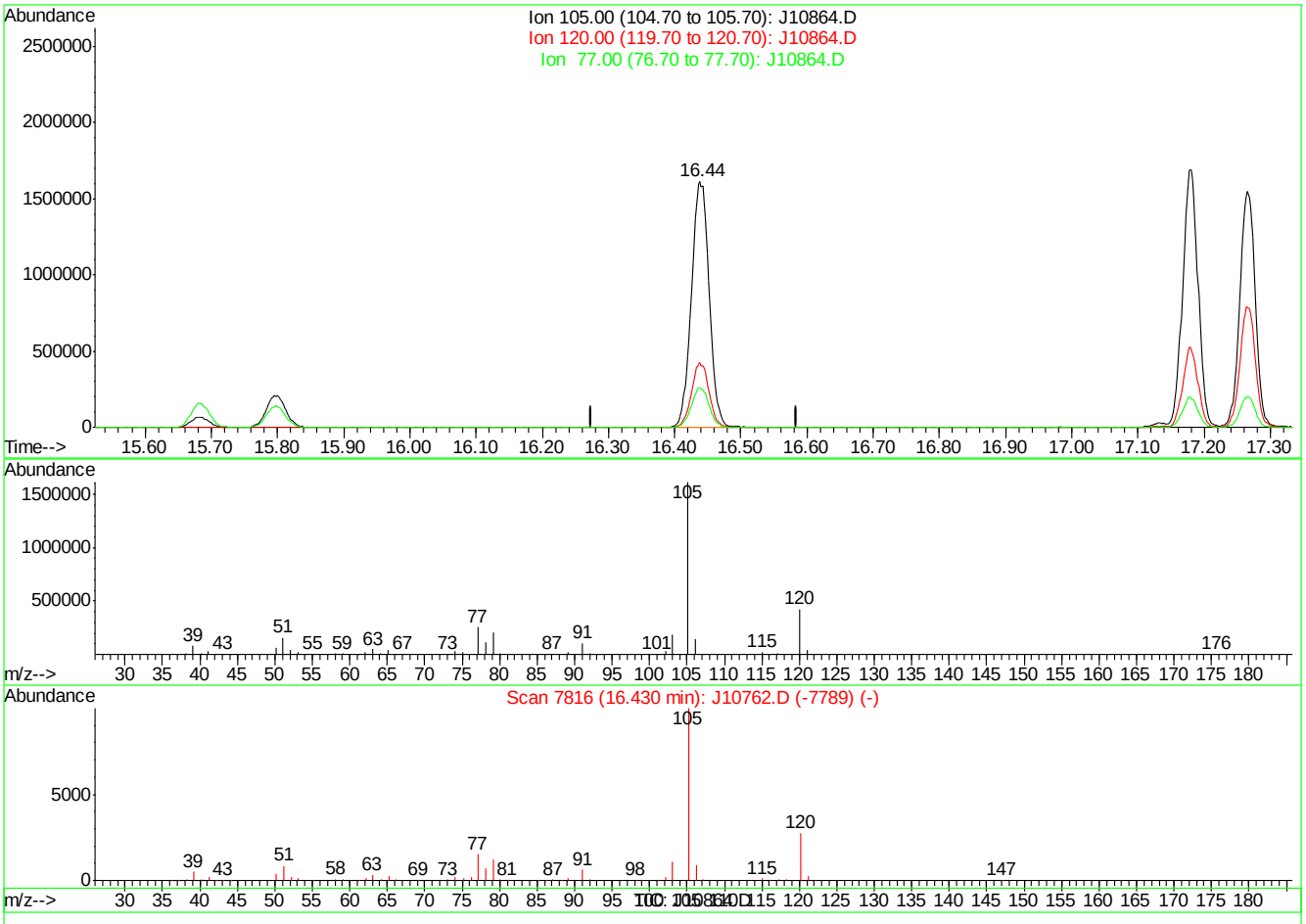
J10864.D J070507T.M Thu Jul 05 15:02:37 2007

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10864.D Vial: 1
Acq On : 5 Jul 2007 2:22 pm Operator: danat
Sample : ic562-20 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 15:00:43 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration



(63) ISOPROPYLBENZENE (m)

16.44min 27.03PPBV m

response 2993529

Ion	Exp%	Act%
105.00	100	100
120.00	26.60	0.00#
77.00	15.90	0.00
0.00	0.00	0.00

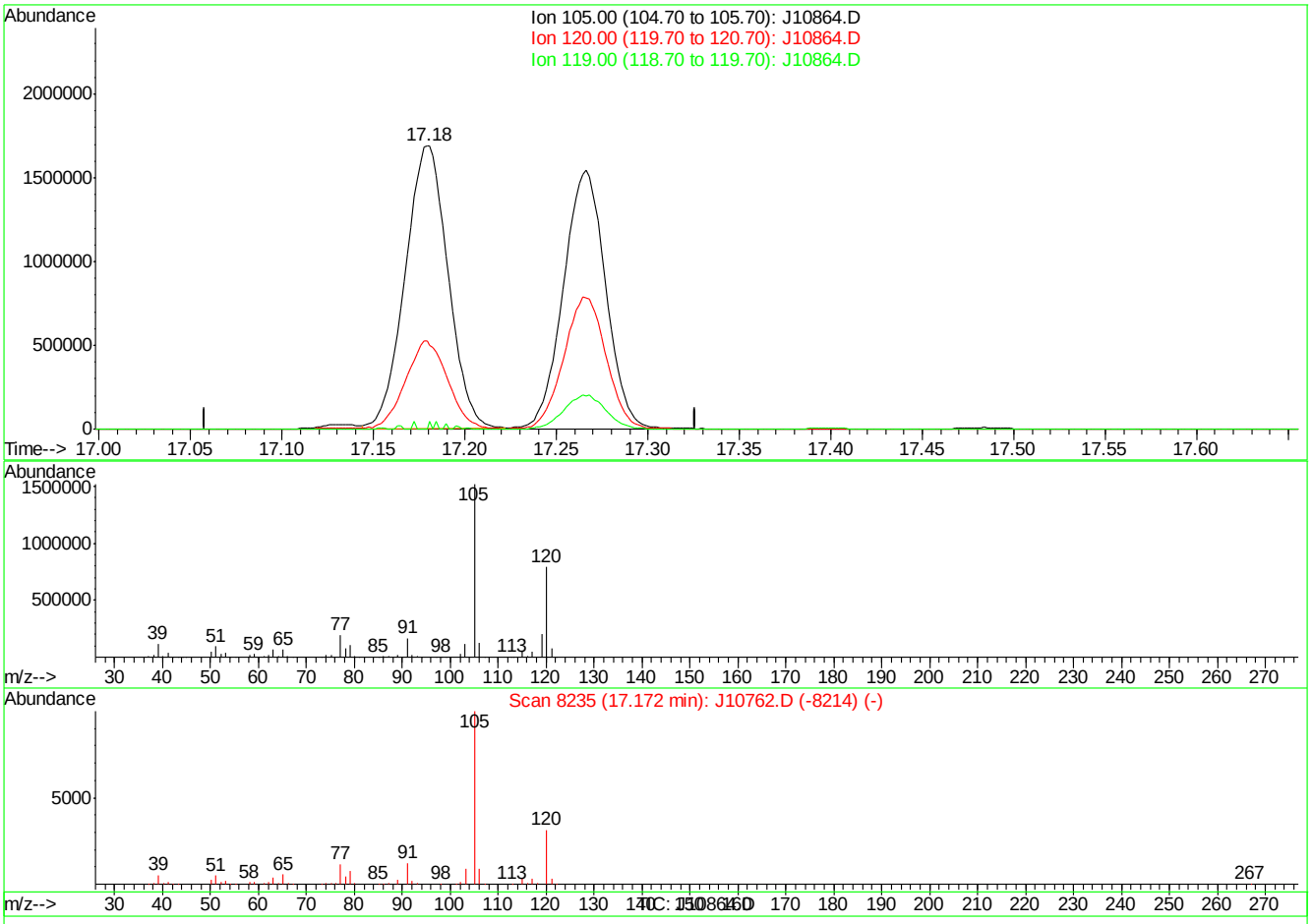
J10864.D J070507T.M Thu Jul 05 15:02:41 2007

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10864.D Vial: 1
Acq On : 5 Jul 2007 2:22 pm Operator: danat
Sample : ic562-20 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 15:00:43 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration



(65) 4-ETHYLTOLUENE (m)

17.18min 30.08PPBV

response 2740052

Ion	Exp%	Act%
105.00	100	100
120.00	31.00	30.47
119.00	0.90	0.49
0.00	0.00	0.00

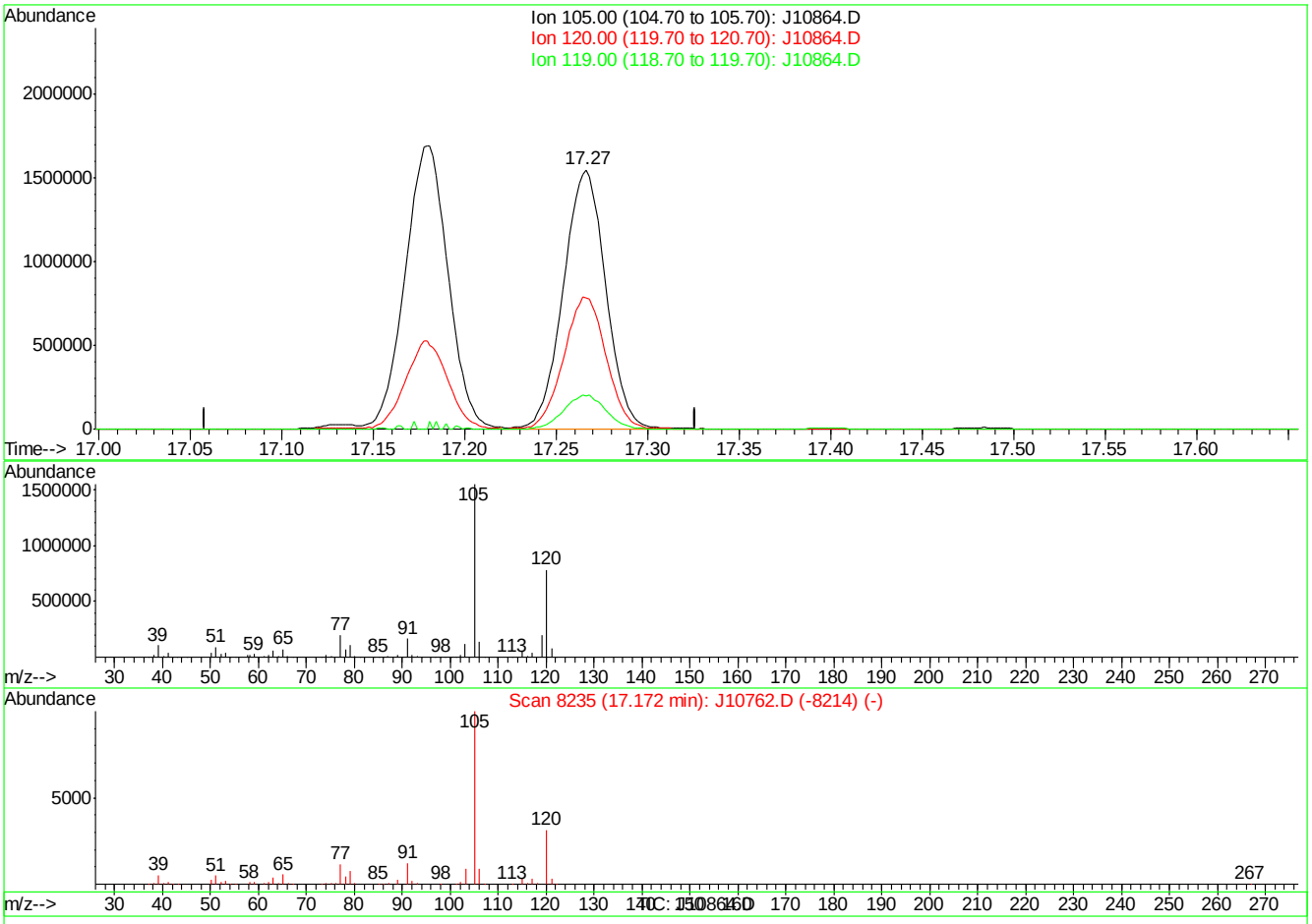
J10864.D J070507T.M Thu Jul 05 15:03:12 2007

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10864.D Vial: 1
Acq On : 5 Jul 2007 2:22 pm Operator: danat
Sample : ic562-20 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 15:00:43 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration



(65) 4-ETHYLTOLUENE (m)

17.27min 27.55PPBV m

response 2509316

Ion	Exp%	Act%
105.00	100	100
120.00	31.00	33.27
119.00	0.90	0.54
0.00	0.00	0.00

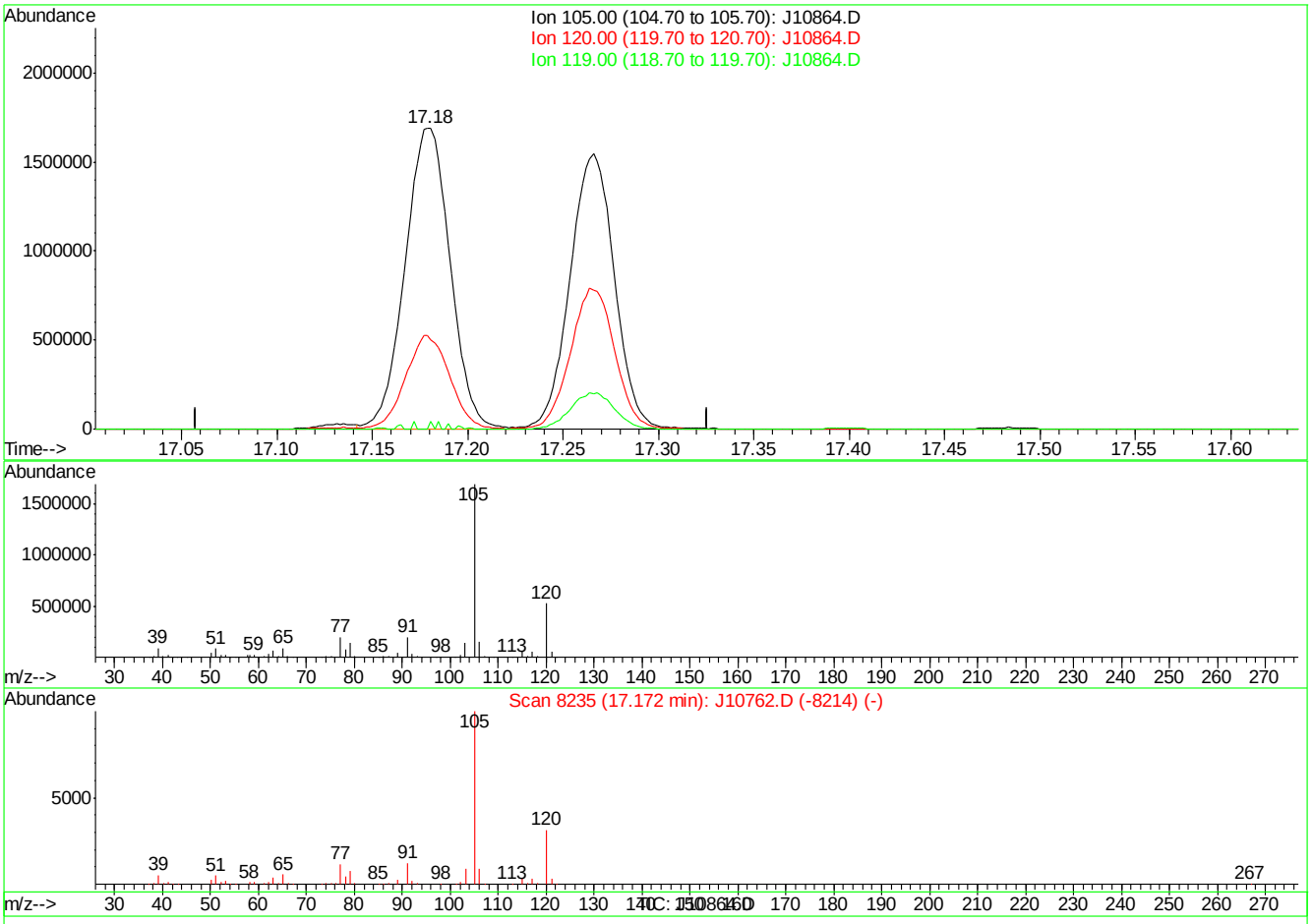
J10864.D J070507T.M Thu Jul 05 15:03:17 2007

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10864.D Vial: 1
Acq On : 5 Jul 2007 2:22 pm Operator: danat
Sample : ic562-20 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 15:00:43 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration



(65) 4-ETHYLTOLUENE (m)

17.18min 30.46PPBV m

response 2774205

Ion	Exp%	Act%
105.00	100	100
120.00	31.00	30.10
119.00	0.90	0.49
0.00	0.00	0.00

J10864.D J070507T.M Thu Jul 05 15:04:18 2007

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10865.D
Acq On : 5 Jul 2007 3:15 pm
Operator : danat
Sample : icc562-10 (M210)
Misc : MS13866, MSJ562,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 05 15:56:35 2007
Quant Method : C:\MSDCHEM\1\METHODS\J070507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jul 05 15:05:53 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	357730	10.00	PPBV	-0.01
35) 1,4-DIFLUOROBENZENE	10.43	114	1553136	10.00	PPBV	-0.01
49) CHLOROBENZENE-D5	14.67	117	1367583	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.30	95	450698	5.27	PPBV	0.00
Spiked Amount 5.000	Range 51 - 142		Recovery = 105.40%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.07	85	1076721	9.52	PPBV	99
3) PROPYLENE	4.00	41	194056	11.86	PPBV	95
4) FREON 114	4.32	85	925238	9.03	PPBV	97
5) CHLOROMETHANE	4.23	50	234686	8.87	PPBV	97
6) VINYL CHLORIDE	4.45	62	277627	9.48	PPBV	99
7) 1,3-BUTADIENE	4.58	39	218238	10.78	PPBV	96
8) BROMOMETHANE	4.85	94	319015	9.42	PPBV	100
9) CHLOROETHANE	5.02	64	134835	9.66	PPBV	99
10) TRICHLOROFLUOROMETHANE	5.78	101	1055126	8.78	PPBV	100
11) ISOPROPYL ALCOHOL	5.97	45	339354	9.16	PPBV	97
12) ACETONE	5.65	43	339867	7.29	PPBV	99
13) PENTANE	6.13	42	259655	9.22	PPBV	98
14) 1,1-DICHLOROETHYLENE	6.41	96	319565	10.85	PPBV	99
15) CARBON DISULFIDE	6.84	76	917919	9.03	PPBV	99
16) ETHANOL	5.22	45	57517	11.16	PPBV	98
17) BROMOETHENE	5.37	106	314720	11.23	PPBV	99
18) METHYLENE CHLORIDE	6.53	84	288840	5.18	PPBV	97
19) 3-CHLOROPROPENE	6.65	39	240728	8.70	PPBV	96
20) FREON 113	6.77	151	667186	8.48	PPBV	97
21) TRANS-1,2-DICHLOROETHYLENE	7.44	96	308958	10.23	PPBV	98
22) TERTIARY BUTYL ALCOHOL	6.57	59	430066	10.86	PPBV	97
23) METHYL TERTIARY BUTYL ETHE	7.72	73	648617	11.42	PPBV	99
24) TETRAHYDROFURAN	9.17	42	204598	10.76	PPBV	99
25) HEXANE	8.62	57	362632	8.86	PPBV	99
26) VINYL ACETATE	7.79	43	422954	10.12	PPBV	98
27) 1,1-DICHLOROETHANE	7.64	63	515933	9.09	PPBV	99
28) METHYL ETHYL KETONE	8.07	43	406111	9.37	PPBV	99
29) cis-1,2-DICHLOROETHYLENE	8.45	96	291022	9.73	PPBV	98
30) ETHYL ACETATE	8.69	43	453029	9.57	PPBV #	96
31) CHLOROFORM	8.74	83	709256	8.74	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.67	97	790106	8.93	PPBV	99
33) CARBON TETRACHLORIDE	10.25	117	974330	9.04	PPBV	100
34) 1,2-DICHLOROETHANE	9.44	62	400572	9.36	PPBV	98
36) BENZENE	10.11	78	719064	9.93	PPBV	99
37) CYCLOHEXANE	10.36	84	351407	10.53	PPBV	98
38) TRICHLOROETHYLENE	11.11	95	372031	9.25	PPBV	98
39) 1,2-DICHLOROPROPANE	10.89	63	229523	9.08	PPBV	98
40) BROMODICHLOROMETHANE	11.08	83	636878	8.48	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.12	57	1173343	10.61	PPBV	98
42) 1,4-DIOXANE	11.17	88	128934	10.23	PPBV	93
43) HEPTANE	11.36	43	377865	9.28	PPBV	98

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10865.D
Acq On : 5 Jul 2007 3:15 pm
Operator : danat
Sample : icc562-10 (M210)
Misc : MS13866, MSJ562,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 05 15:56:35 2007
Quant Method : C:\MSDCHEM\1\METHODS\J070507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jul 05 15:05:53 2007
Response via : Initial Calibration

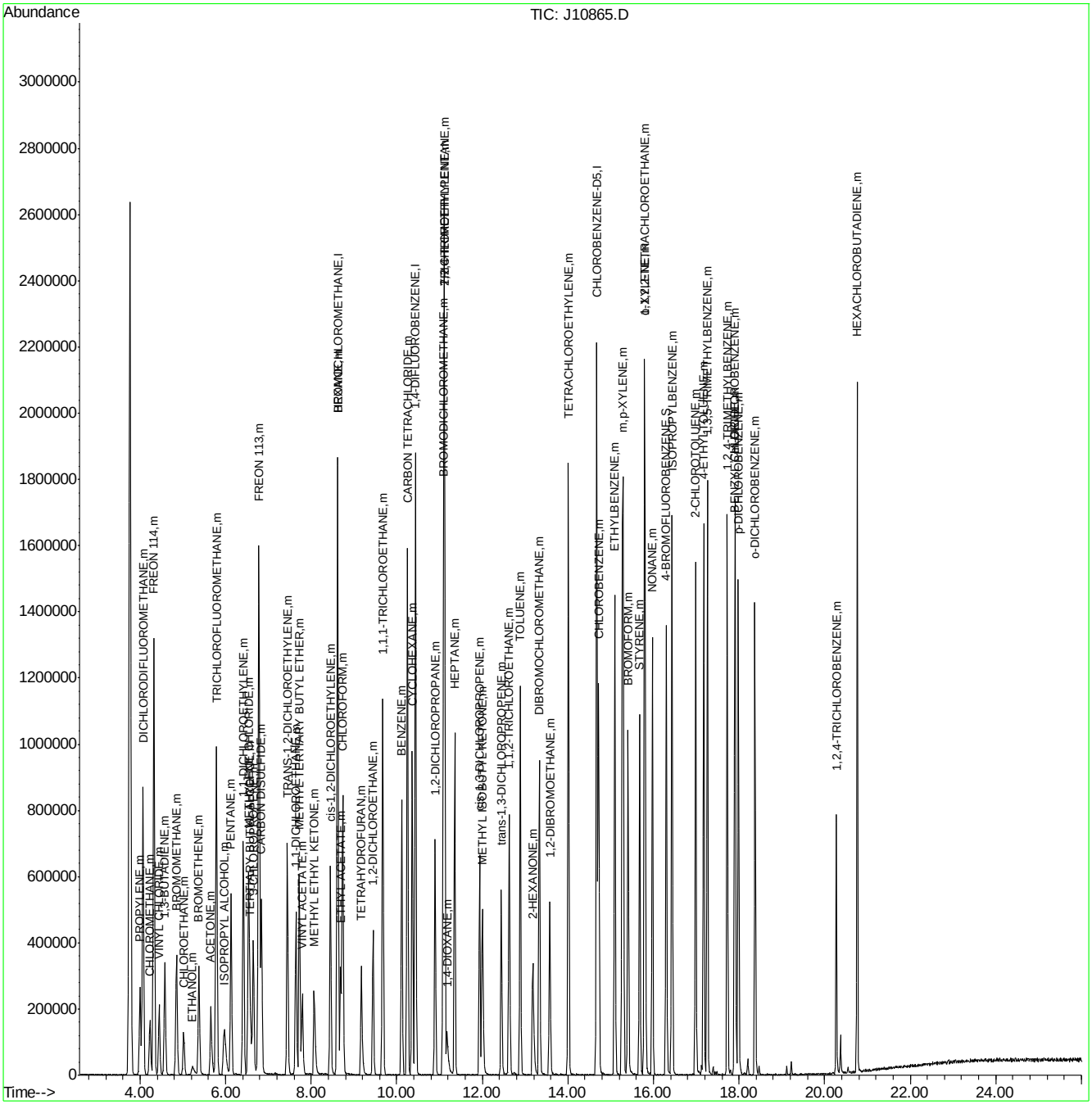
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.00	43	441145	9.32	PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.93	75	340858	11.13	PPBV	98
46) TOLUENE	12.89	92	492562	11.16	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.44	75	328198	11.25	PPBV	97
48) 1,1,2-TRICHLOROETHANE	12.63	83	240240	8.98	PPBV	100
50) 2-HEXANONE	13.18	43	358222	9.19	PPBV	100
51) TETRACHLOROETHYLENE	14.01	164	410408	9.45	PPBV	99
52) DIBROMOCHLOROMETHANE	13.33	129	608765	8.95	PPBV	99
53) 1,2-DIBROMOETHANE	13.57	107	427988	9.19	PPBV	100
54) CHLOROBENZENE	14.72	112	688122	8.98	PPBV	99
55) ETHYLBENZENE	15.10	91	1080019	11.86	PPBV	99
56) m,p-XYLENE	15.28	106	896520	23.64	PPBV	94
57) o-XYLENE	15.79	106	441607	11.65	PPBV	99
58) STYRENE	15.68	104	565869	12.01	PPBV	100
59) NONANE	15.97	43	470369	9.54	PPBV	97
60) BROMOFORM	15.41	173	580762	8.81	PPBV	100
62) 1,1,2,2-TETRACHLOROETHANE	15.80	83	566916	8.01	PPBV	99
63) ISOPROPYLBENZENE	16.43	105	1254810	11.11	PPBV	99
64) 2-CHLOROTOLUENE	16.99	91	840760	11.11	PPBV	98
65) 4-ETHYLTOLUENE	17.17	105	1060550	9.46	PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.26	105	993599	9.11	PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.72	105	878799	9.31	PPBV	99
68) m-DICHLOROBENZENE	17.91	146	630101	8.68	PPBV	99
69) BENZYL CHLORIDE	17.89	91	508860	9.48	PPBV	99
70) p-DICHLOROBENZENE	17.99	146	601901	9.27	PPBV	100
71) o-DICHLOROBENZENE	18.37	146	540883	8.38	PPBV	99
72) HEXACHLOROBUTADIENE	20.76	225	347338	4.03	PPBV	98
73) 1,2,4-TRICHLOROBENZENE	20.27	180	206967	5.98	PPBV	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10865.D
Acq On : 5 Jul 2007 3:15 pm
Operator : danat
Sample : icc562-10 (M210)
Misc : MS13866, MSJ562,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 05 15:56:35 2007
Quant Method : C:\MSDCHEM\1\METHODS\J070507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jul 05 15:05:53 2007
Response via : Initial Calibration



ACCUTEST Laboratories M67847

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 07/11/07 09:41

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10866.D
Acq On : 5 Jul 2007 4:08 pm
Operator : danat
Sample : ic562-5 (M210)
Misc : MS13866, MSJ562,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 05 16:35:37 2007
Quant Method : C:\MSDCHEM\1\METHODS\J070507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jul 05 15:59:14 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	308937	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.43	114	1344037	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.67	117	1158520	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.29	95	339092	4.64	PPBV	0.00
Spiked Amount 5.000	Range 51 - 142		Recovery = 92.80%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.07	85	582729	6.01	PPBV	100
3) PROPYLENE	4.00	41	98294	6.75	PPBV	91
4) FREON 114	4.32	85	536000	6.16	PPBV	100
5) CHLOROMETHANE	4.23	50	138711	6.19	PPBV	94
6) VINYL CHLORIDE	4.45	62	161797	6.45	PPBV	97
7) 1,3-BUTADIENE	4.58	39	118794	6.71	PPBV	99
8) BROMOMETHANE	4.85	94	178086	6.15	PPBV	99
9) CHLOROETHANE	5.02	64	65785	5.49	PPBV	99
10) TRICHLOROFLUOROMETHANE	5.79	101	595728	5.86	PPBV	100
11) ISOPROPYL ALCOHOL	5.95	45	160004	5.09	PPBV	88
12) ACETONE	5.66	43	177681	4.62	PPBV	100
13) PENTANE	6.13	42	139874	5.83	PPBV	99
14) 1,1-DICHLOROETHYLENE	6.42	96	169136	6.56	PPBV	99
15) CARBON DISULFIDE	6.84	76	510584	5.91	PPBV	99
16) ETHANOL	5.22	45	27044m	5.44	PPBV	
17) BROMOETHENE	5.38	106	169125	6.85	PPBV	99
18) METHYLENE CHLORIDE	6.54	84	152118	5.22	PPBV	98
19) 3-CHLOROPROPENE	6.65	39	110392	4.74	PPBV	99
20) FREON 113	6.78	151	336280	5.08	PPBV	99
21) TRANS-1,2-DICHLOROETHYLENE	7.45	96	154290	5.89	PPBV	99
22) TERTIARY BUTYL ALCOHOL	6.56	59	195431	5.62	PPBV	97
23) METHYL TERTIARY BUTYL ETHE	7.73	73	313923	6.25	PPBV	99
24) TETRAHYDROFURAN	9.18	42	95468	5.73	PPBV	98
25) HEXANE	8.63	57	179704	5.18	PPBV	99
26) VINYL ACETATE	7.79	43	199338	5.51	PPBV	97
27) 1,1-DICHLOROETHANE	7.65	63	256128	5.31	PPBV	99
28) METHYL ETHYL KETONE	8.07	43	192895	5.21	PPBV	97
29) cis-1,2-DICHLOROETHYLENE	8.45	96	147584	5.74	PPBV	99
30) ETHYL ACETATE	8.69	43	211407	5.21	PPBV	100
31) CHLOROFORM	8.73	83	360248	5.25	PPBV	100
32) 1,1,1-TRICHLOROETHANE	9.67	97	386510	5.15	PPBV	99
33) CARBON TETRACHLORIDE	10.25	117	480721	5.25	PPBV	99
34) 1,2-DICHLOROETHANE	9.44	62	213484	5.84	PPBV	98
36) BENZENE	10.12	78	374019	5.98	PPBV	99
37) CYCLOHEXANE	10.36	84	172562	5.91	PPBV	98
38) TRICHLOROETHYLENE	11.11	95	197728	5.76	PPBV	98
39) 1,2-DICHLOROPROPANE	10.89	63	120865	5.61	PPBV	100
40) BROMODICHLOROMETHANE	11.08	83	334936	5.29	PPBV	98
41) 2,2,4-TRIMETHYLPENTANE	11.12	57	545596	4.91	PPBV	99
42) 1,4-DIOXANE	11.18	88	56162	4.87	PPBV	94
43) HEPTANE	11.35	43	181333	5.22	PPBV	99

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10866.D
Acq On : 5 Jul 2007 4:08 pm
Operator : danat
Sample : ic562-5 (M210)
Misc : MS13866, MSJ562,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 05 16:35:37 2007
Quant Method : C:\MSDCHEM\1\METHODS\J070507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jul 05 15:59:14 2007
Response via : Initial Calibration

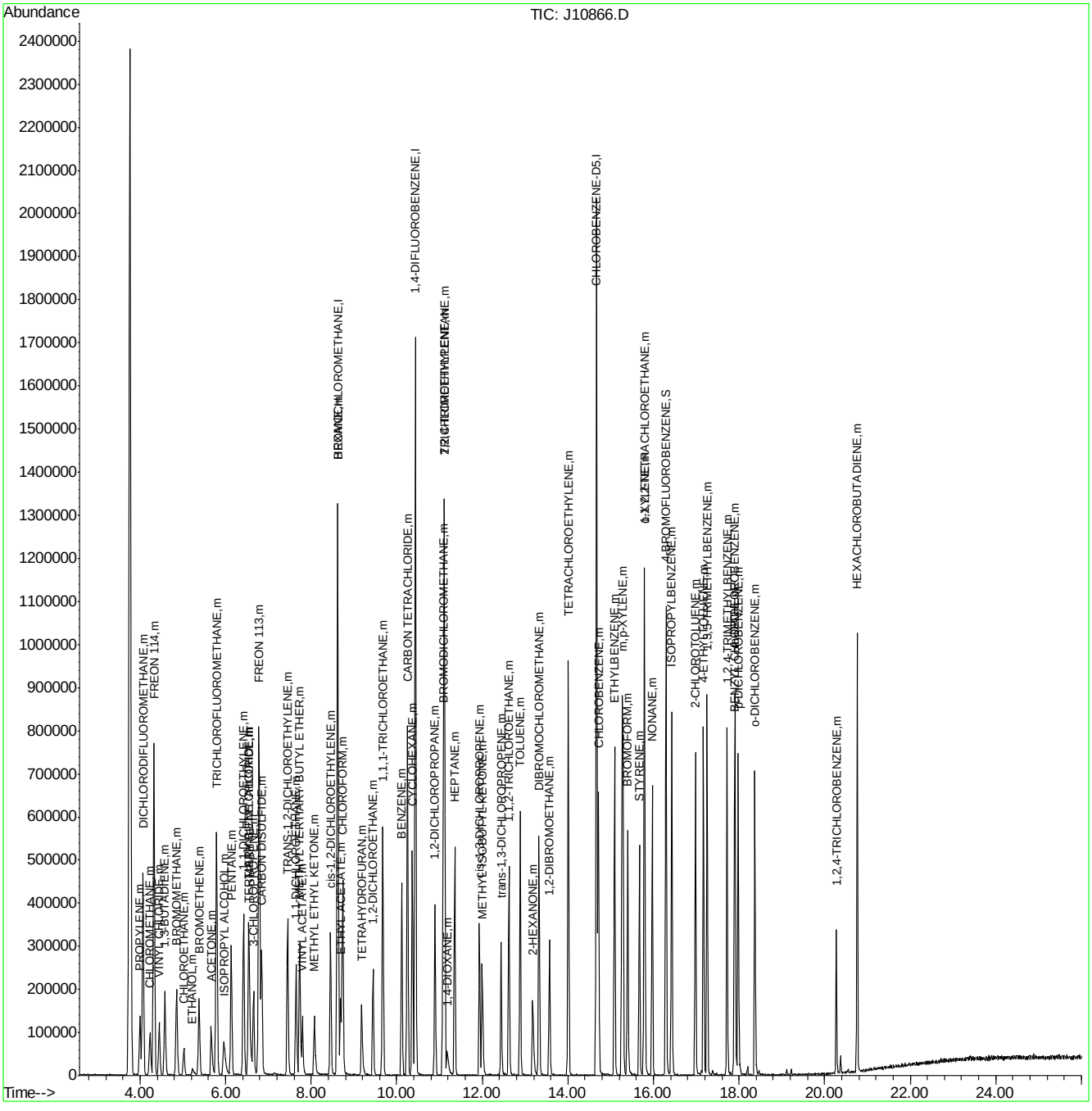
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.00	43	194430	4.81	PPBV	99
45) cis-1,3-DICHLOROPROPENE	11.93	75	172847	5.72	PPBV	98
46) TOLUENE	12.88	92	246964	5.81	PPBV	100
47) trans-1,3-DICHLOROPROPENE	12.44	75	156172	5.49	PPBV	98
48) 1,1,2-TRICHLOROETHANE	12.62	83	124985	5.49	PPBV	99
50) 2-HEXANONE	13.18	43	161027	4.96	PPBV	97
51) TETRACHLOROETHYLENE	14.01	164	210815	5.78	PPBV	100
52) DIBROMOCHLOROMETHANE	13.32	129	313410	5.54	PPBV	100
53) 1,2-DIBROMOETHANE	13.57	107	221216	5.68	PPBV	100
54) CHLOROBENZENE	14.71	112	353690	5.54	PPBV	99
55) ETHYLBENZENE	15.09	91	512167	5.62	PPBV	100
56) m,p-XYLENE	15.28	106	423682	11.30	PPBV	92
57) o-XYLENE	15.78	106	208586	5.64	PPBV	100
58) STYRENE	15.67	104	247110	5.20	PPBV	99
59) NONANE	15.97	43	214630	5.18	PPBV	99
60) BROMOFORM	15.40	173	289411	5.29	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.79	83	275352	4.75	PPBV	98
63) ISOPROPYLBENZENE	16.43	105	566878	5.37	PPBV	100
64) 2-CHLOROTOLUENE	16.98	91	381215	5.35	PPBV	99
65) 4-ETHYLTOLUENE	17.16	105	467174	5.30	PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.25	105	451807	5.36	PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.72	105	392208	5.38	PPBV	100
68) m-DICHLOROBENZENE	17.90	146	312169	5.82	PPBV	98
69) BENZYL CHLORIDE	17.89	91	230130	5.40	PPBV	99
70) p-DICHLOROBENZENE	17.98	146	303681	5.98	PPBV	99
71) o-DICHLOROBENZENE	18.37	146	267229	5.03	PPBV	99
72) HEXACHLOROBUTADIENE	20.76	225	167222	4.21	PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.27	180	89901	4.56	PPBV	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10866.D
Acq On : 5 Jul 2007 4:08 pm
Operator : danat
Sample : ic562-5 (M210)
Misc : MS13866, MSJ562,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 05 16:35:37 2007
Quant Method : C:\MSDCHEM\1\METHODS\J070507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jul 05 15:59:14 2007
Response via : Initial Calibration



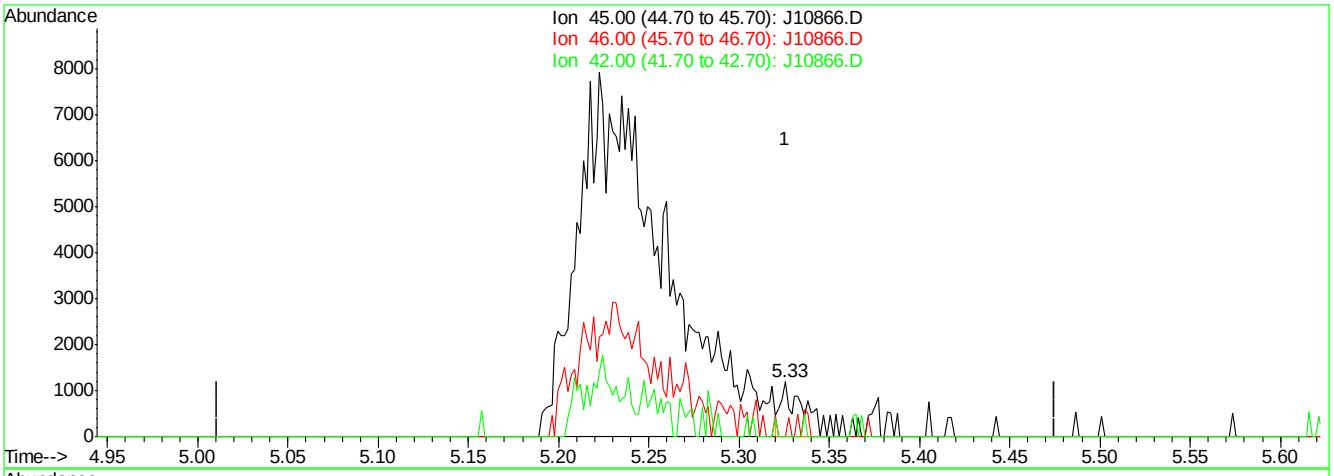
ACCUTEST Laboratories M67847

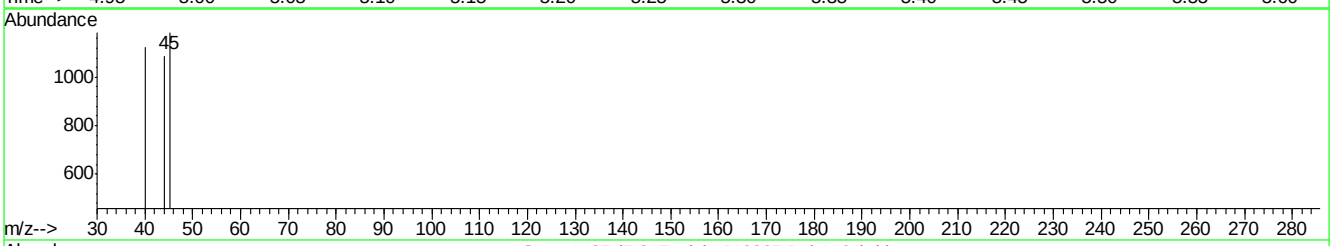
Quantitation Report (Qedit)

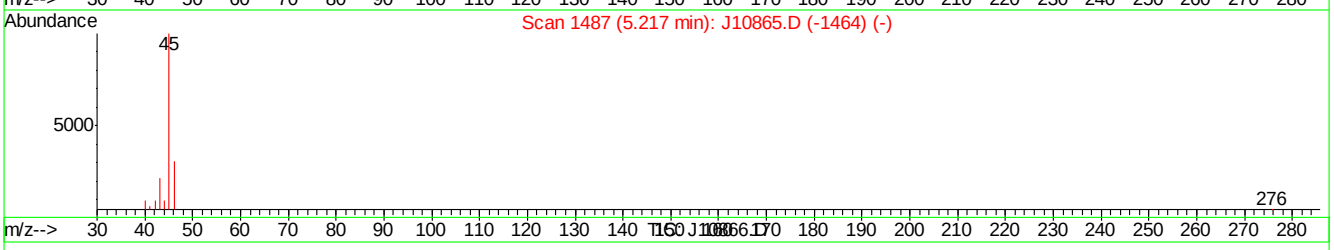
Data File : C:\MSDChem\1\data\J10866.D Vial: 1
Acq On : 5 Jul 2007 4:08 pm Operator: danat
Sample : ic562-5 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 16:34:18 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 15:59:14 2007
Response via : Multiple Level Calibration







(16) ETHANOL (m)

5.33min 1.20PPBV

response 1013

Ion	Exp%	Act%
45.00	100	100
46.00	34.00	17.97
42.00	9.40	4.44
0.00	0.00	0.00

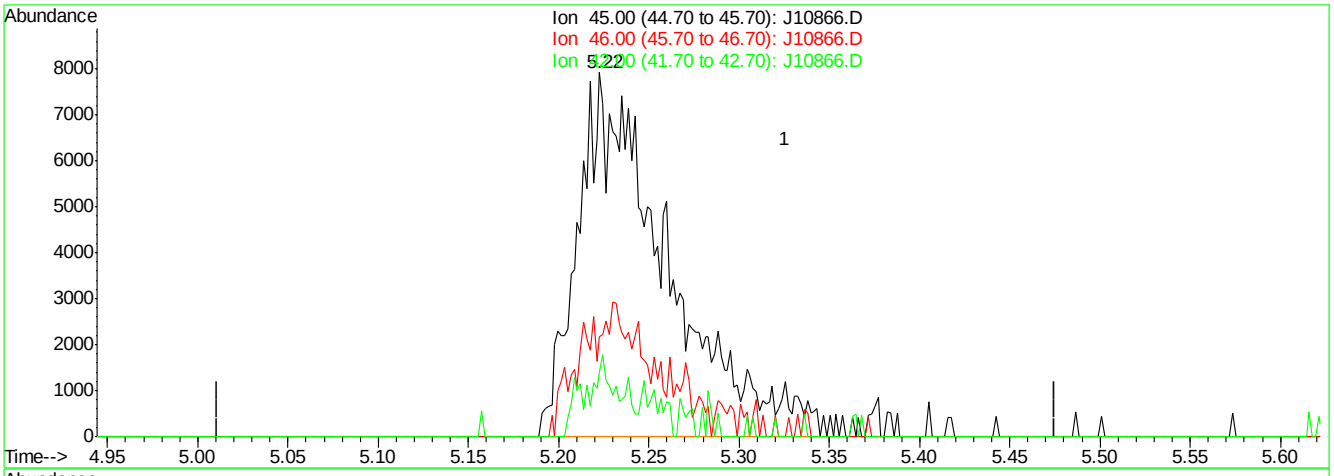
J10866.D J070507T.M Thu Jul 05 16:34:48 2007

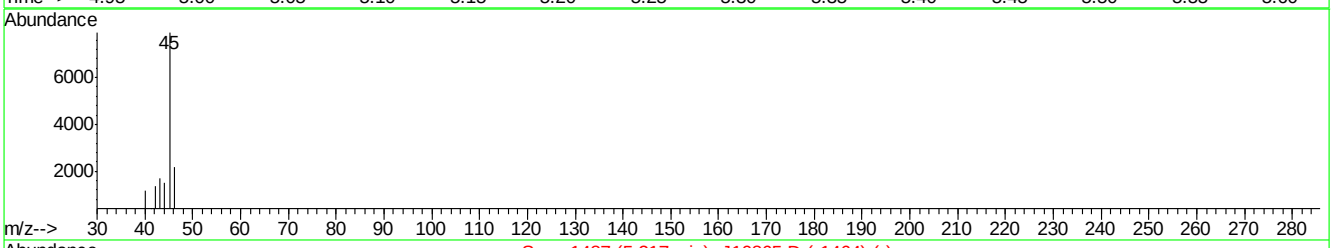
Quantitation Report (Qedit)

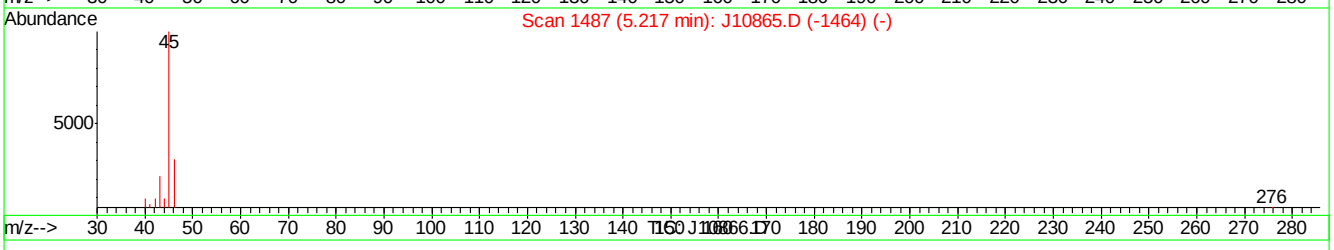
Data File : C:\MSDChem\1\data\J10866.D Vial: 1
Acq On : 5 Jul 2007 4:08 pm Operator: danat
Sample : ic562-5 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 16:34:18 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 15:59:14 2007
Response via : Multiple Level Calibration







(16) ETHANOL (m)

5.22min 5.44PPBV m

response 27044

Ion	Exp%	Act%
45.00	100	100
46.00	34.00	0.67#
42.00	9.40	0.17
0.00	0.00	0.00

J10866.D J070507T.M Thu Jul 05 16:34:55 2007

J10867.D

Manual Integrations APPROVED (compounds with "m" flag)

Doug Yargeau 07/11/07 09:41

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10867.D
Acq On : 5 Jul 2007 4:59 pm
Operator : danat
Sample : ic562-2 (M210)
Misc : MS13866, MSJ562,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 05 17:26:51 2007
Quant Method : C:\MSDCHEM\1\METHODS\J070507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jul 05 16:35:54 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	330127	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.43	114	1414347	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.67	117	1160504	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.29	95	334470	4.62	PPBV	-0.01

Spiked Amount 5.000 Range 51 - 142 Recovery = 92.40%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.06	85	229466	2.15	PPBV	99
3) PROPYLENE	4.00	41	35098	2.15	PPBV	93
4) FREON 114	4.32	85	181482	1.89	PPBV	99
5) CHLOROMETHANE	4.24	50	48637	1.96	PPBV	89
6) VINYL CHLORIDE	4.45	62	51618	1.85	PPBV	97
7) 1,3-BUTADIENE	4.58	39	37084	1.87	PPBV	98
8) BROMOMETHANE	4.86	94	59056	1.85	PPBV	99
9) CHLOROETHANE	5.03	64	22813	1.76	PPBV	98
10) TRICHLOROFLUOROMETHANE	5.79	101	201938	1.81	PPBV	100
11) ISOPROPYL ALCOHOL	5.98	45	48377	1.44	PPBV	81
12) ACETONE	5.69	43	57242	1.41	PPBV	99
13) PENTANE	6.14	42	45140	1.72	PPBV	99
14) 1,1-DICHLOROETHYLENE	6.42	96	52848	1.84	PPBV	99
15) CARBON DISULFIDE	6.85	76	173627	1.83	PPBV	98
16) ETHANOL	5.25	45	5804m	1.81	PPBV	
17) BROMOETHENE	5.39	106	50669	1.82	PPBV	98
18) METHYLENE CHLORIDE	6.55	84	54170	1.32	PPBV	96
19) 3-CHLOROPROPENE	6.66	39	37962	1.54	PPBV	93
20) FREON 113	6.79	151	119737	1.69	PPBV	99
21) TRANS-1,2-DICHLOROETHYLENE	7.45	96	49311	1.72	PPBV	99
22) TERTIARY BUTYL ALCOHOL	6.59	59	46528	1.23	PPBV	82
23) METHYL TERTIARY BUTYL ETHE	7.74	73	96121	1.73	PPBV	98
24) TETRAHYDROFURAN	9.21	42	24851	1.36	PPBV	91
25) HEXANE	8.63	57	58771	1.58	PPBV	93
26) VINYL ACETATE	7.80	43	53072	1.35	PPBV	92
27) 1,1-DICHLOROETHANE	7.65	63	84237	1.62	PPBV	100
28) METHYL ETHYL KETONE	8.09	43	56905	1.43	PPBV	90
29) cis-1,2-DICHLOROETHYLENE	8.45	96	46740	1.67	PPBV	99
30) ETHYL ACETATE	8.71	43	64712	1.48	PPBV #	92
31) CHLOROFORM	8.74	83	122413	1.66	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.67	97	130586	1.62	PPBV	100
33) CARBON TETRACHLORIDE	10.25	117	165237	1.68	PPBV	99
34) 1,2-DICHLOROETHANE	9.45	62	68378	1.71	PPBV	100
36) BENZENE	10.12	78	111788	1.65	PPBV	100
37) CYCLOHEXANE	10.37	84	51554	1.63	PPBV	98
38) TRICHLOROETHYLENE	11.11	95	58790	1.59	PPBV	98
39) 1,2-DICHLOROPROPANE	10.90	63	37078	1.61	PPBV	96
40) BROMODICHLOROMETHANE	11.08	83	108047	1.61	PPBV	97
41) 2,2,4-TRIMETHYLPENTANE	11.12	57	163007	2.12	PPBV	98
42) 1,4-DIOXANE	11.22	88	10728	1.90	PPBV	85
43) HEPTANE	11.36	43	52042	1.41	PPBV	98

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10867.D
Acq On : 5 Jul 2007 4:59 pm
Operator : danat
Sample : ic562-2 (M210)
Misc : MS13866, MSJ562,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 05 17:26:51 2007
Quant Method : C:\MSDCHEM\1\METHODS\J070507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jul 05 16:35:54 2007
Response via : Initial Calibration

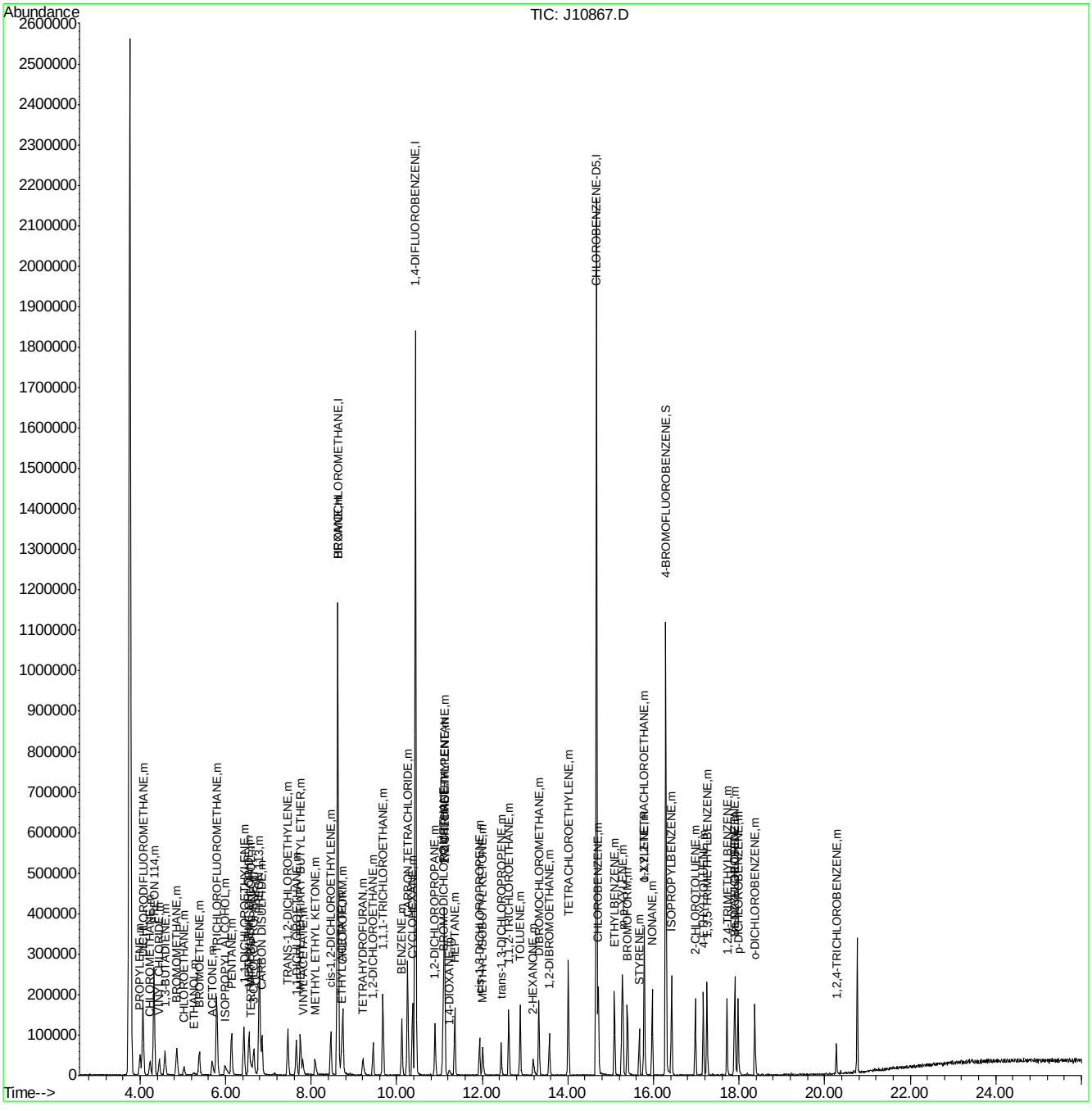
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.01	43	49831	1.18 PPBV	94
45) cis-1,3-DICHLOROPROPENE	11.93	75	42037	1.57 PPBV	96
46) TOLUENE	12.88	92	66487	1.65 PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.44	75	37565	1.53 PPBV	98
48) 1,1,2-TRICHLOROETHANE	12.61	83	38780	1.60 PPBV	98
50) 2-HEXANONE	13.19	43	36294	1.12 PPBV #	36
51) TETRACHLOROETHYLENE	14.01	164	63817	1.71 PPBV	98
52) DIBROMOCHLOROMETHANE	13.32	129	97799	1.70 PPBV	99
53) 1,2-DIBROMOETHANE	13.57	107	61325	1.54 PPBV	99
54) CHLOROBENZENE	14.71	112	107091	1.65 PPBV	98
55) ETHYLBENZENE	15.09	91	127619	1.58 PPBV	99
56) m,p-XYLENE	15.28	106	109943	3.16 PPBV	94
57) o-XYLENE	15.78	106	53449	1.57 PPBV	97
58) STYRENE	15.67	104	48627	1.44 PPBV	99
59) NONANE	15.97	43	55542	1.33 PPBV	98
60) BROMOFORM	15.39	173	82740	1.50 PPBV	98
62) 1,1,2,2-TETRACHLOROETHANE	15.78	83	84884	1.47 PPBV	99
63) ISOPROPYLBENZENE	16.42	105	143311	1.48 PPBV	99
64) 2-CHLOROTOLUENE	16.98	91	90956	1.49 PPBV	99
65) 4-ETHYLTOLUENE	17.16	105	107216	1.52 PPBV	98
66) 1,3,5-TRIMETHYLBENZENE	17.25	105	113765	1.46 PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.72	105	87297	1.40 PPBV	98
68) m-DICHLOROBENZENE	17.90	146	86523	1.48 PPBV	99
69) BENZYL CHLORIDE	17.89	91	48772	1.25 PPBV	99
70) p-DICHLOROBENZENE	17.98	146	81526	1.52 PPBV	98
71) o-DICHLOROBENZENE	18.37	146	69326	1.30 PPBV	99
72) HEXACHLOROBUTADIENE	20.76	225	53969	Below Cal	99
73) 1,2,4-TRICHLOROBENZENE	20.28	180	21611	0.35 PPBV	96

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10867.D
Acq On : 5 Jul 2007 4:59 pm
Operator : danat
Sample : ic562-2 (M210)
Misc : MS13866, MSJ562,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 05 17:26:51 2007
Quant Method : C:\MSDCHEM\1\METHODS\J070507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jul 05 16:35:54 2007
Response via : Initial Calibration



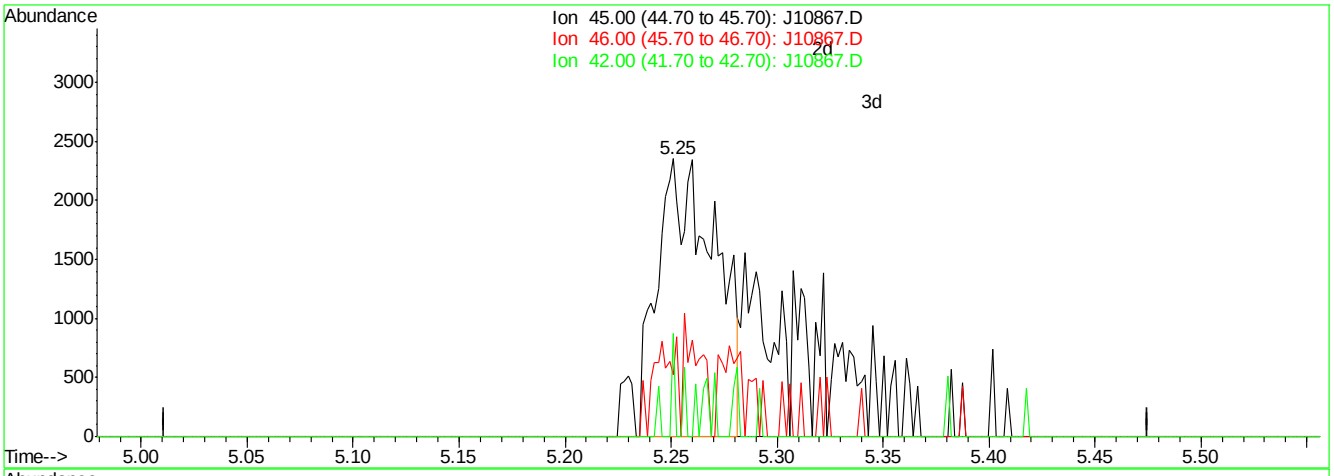
ACCUTEST Laboratories M67847

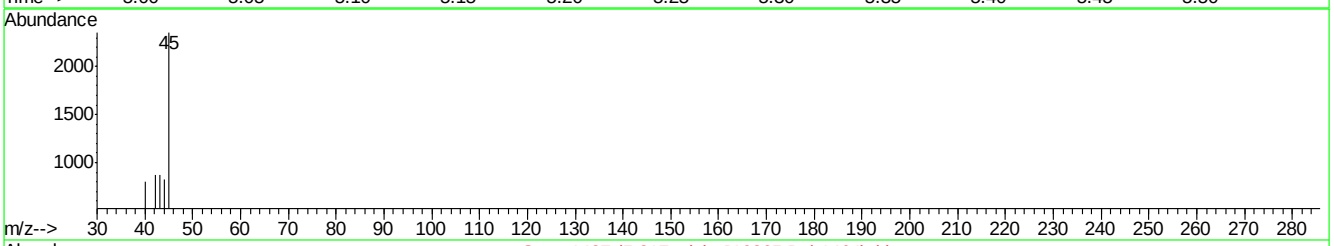
Quantitation Report (Qedit)

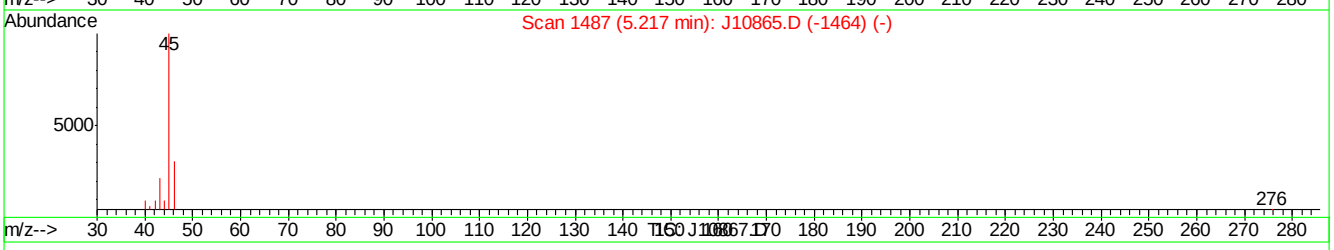
Data File : C:\MSDChem\1\data\J10867.D Vial: 2
Acq On : 5 Jul 2007 4:59 pm Operator: danat
Sample : ic562-2 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 17:26:21 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 16:35:54 2007
Response via : Multiple Level Calibration







(16) ETHANOL (m)

5.25min 1.63PPBV

response 4623

Ion	Exp%	Act%
45.00	100	100
46.00	34.00	24.53
42.00	9.40	3.37
0.00	0.00	0.00

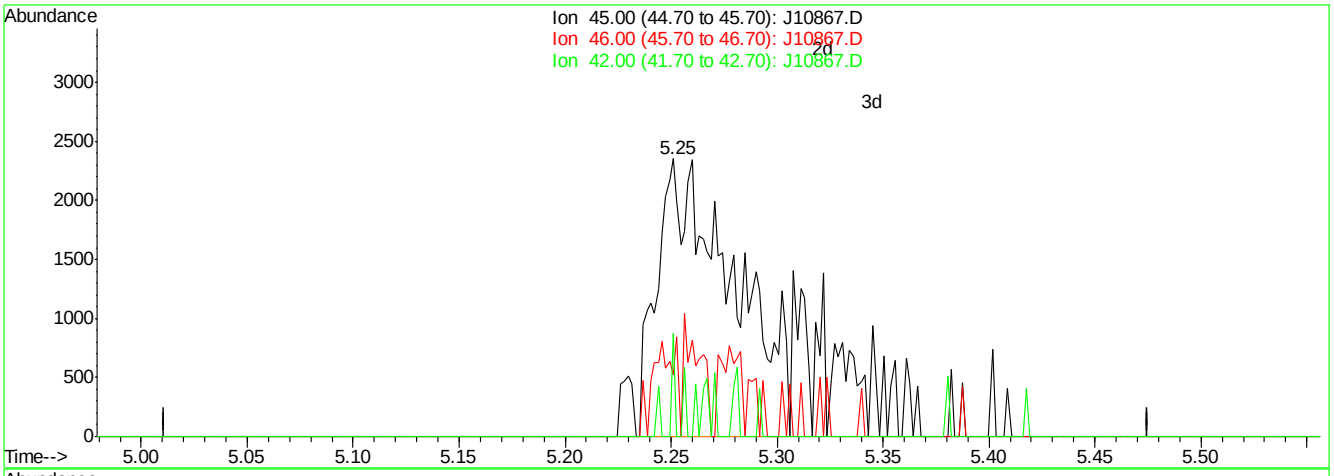
J10867.D J070507T.M Thu Jul 05 17:26:48 2007

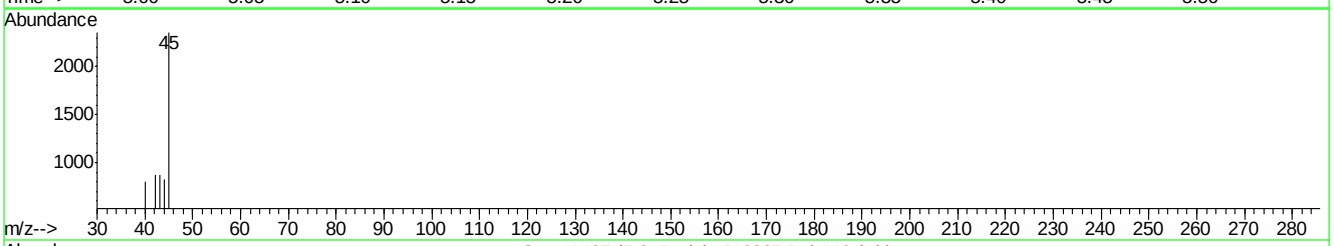
Quantitation Report (Qedit)

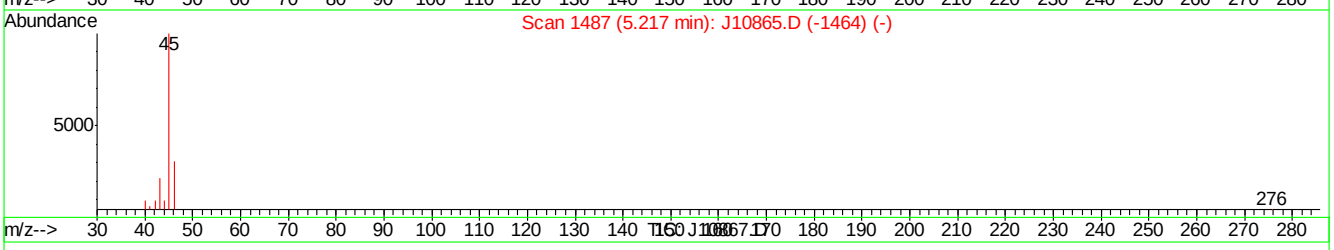
Data File : C:\MSDChem\1\data\J10867.D Vial: 2
Acq On : 5 Jul 2007 4:59 pm Operator: danat
Sample : ic562-2 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 17:26:21 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 16:35:54 2007
Response via : Multiple Level Calibration







(16) ETHANOL (m)

5.25min 1.81PPBV m

response 5804

Ion	Exp%	Act%
45.00	100	100
46.00	34.00	19.54
42.00	9.40	2.69
0.00	0.00	0.00

J10867.D J070507T.M Thu Jul 05 17:26:54 2007

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
07/11/07 09:45

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10868a.D
Acq On : 5 Jul 2007 5:56 pm
Operator : danat
Sample : cc562-10 (M080)
Misc : MS13866, MSJ562,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 05 18:24:49 2007
Quant Method : C:\MSDCHEM\1\METHODS\J070507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jul 05 17:30:53 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.60	128	347038	10.00	PPBV	-0.01
35) 1,4-DIFLUOROBENZENE	10.43	114	1501760	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.67	117	1335133	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.30	95	446244	5.44	PPBV	0.00
Spiked Amount 5.000	Range 51 - 142		Recovery = 108.80%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.06	85	1061110	9.42	PPBV	100
3) PROPYLENE	3.99	41	183358	10.60	PPBV	96
4) FREON 114	4.32	85	975926	9.85	PPBV	99
5) CHLOROMETHANE	4.23	50	255655	9.93	PPBV	94
6) VINYL CHLORIDE	4.44	62	301471	10.50	PPBV	99
7) 1,3-BUTADIENE	4.57	39	232443	11.26	PPBV	98
8) BROMOMETHANE	4.84	94	332070	10.01	PPBV	99
9) CHLOROETHANE	5.01	64	140388	10.56	PPBV	99
10) TRICHLOROFLUOROMETHANE	5.77	101	1134544	9.90	PPBV	100
11) ISOPROPYL ALCOHOL	5.99	45	376740m	10.92	PPBV	
12) ACETONE	5.64	43	394061	9.71	PPBV	99
13) PENTANE	6.12	42	281678	10.41	PPBV	99
14) 1,1-DICHLOROETHYLENE	6.40	96	307939	10.16	PPBV	100
15) CARBON DISULFIDE	6.82	76	926519	9.44	PPBV	99
16) ETHANOL	5.26	45	67215	10.80	PPBV #	65
17) BROMOETHENE	5.36	106	320378	10.94	PPBV	99
18) METHYLENE CHLORIDE	6.52	84	301838	9.92	PPBV	99
19) 3-CHLOROPROPENE	6.63	39	273020	10.74	PPBV	98
20) FREON 113	6.76	151	667835	9.23	PPBV	99
21) TRANS-1,2-DICHLOROETHYLENE	7.43	96	313361	10.47	PPBV	99
22) TERTIARY BUTYL ALCOHOL	6.57	59	462173	11.77	PPBV	93
23) METHYL TERTIARY BUTYL ETHE	7.71	73	685448	11.76	PPBV	99
24) TETRAHYDROFURAN	9.16	42	218377	11.59	PPBV	98
25) HEXANE	8.61	57	365581	9.63	PPBV	97
26) VINYL ACETATE	7.78	43	440550	11.01	PPBV	97
27) 1,1-DICHLOROETHANE	7.63	63	545669	10.33	PPBV	100
28) METHYL ETHYL KETONE	8.07	43	425680	10.63	PPBV	94
29) cis-1,2-DICHLOROETHYLENE	8.44	96	301089	10.37	PPBV	99
30) ETHYL ACETATE	8.67	43	462107	10.49	PPBV	100
31) CHLOROFORM	8.72	83	772083	10.29	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.66	97	843732	10.35	PPBV	99
33) CARBON TETRACHLORIDE	10.24	117	1036248	10.31	PPBV	99
34) 1,2-DICHLOROETHANE	9.43	62	456550	11.14	PPBV	99
36) BENZENE	10.11	78	802906	11.34	PPBV	100
37) CYCLOHEXANE	10.35	84	361468	10.80	PPBV	98
38) TRICHLOROETHYLENE	11.10	95	428230	11.34	PPBV	99
39) 1,2-DICHLOROPROPANE	10.89	63	271622	11.36	PPBV	99
40) BROMODICHLOROMETHANE	11.08	83	736999	10.65	PPBV	98
41) 2,2,4-TRIMETHYLPENTANE	11.10	57	1295156	9.40	PPBV	99
42) 1,4-DIOXANE	11.17	88	136276	9.35	PPBV	92
43) HEPTANE	11.34	43	409530	10.88	PPBV	99

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10868a.D
Acq On : 5 Jul 2007 5:56 pm
Operator : danat
Sample : cc562-10 (M080)
Misc : MS13866, MSJ562,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 05 18:24:49 2007
Quant Method : C:\MSDCHEM\1\METHODS\J070507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jul 05 17:30:53 2007
Response via : Initial Calibration

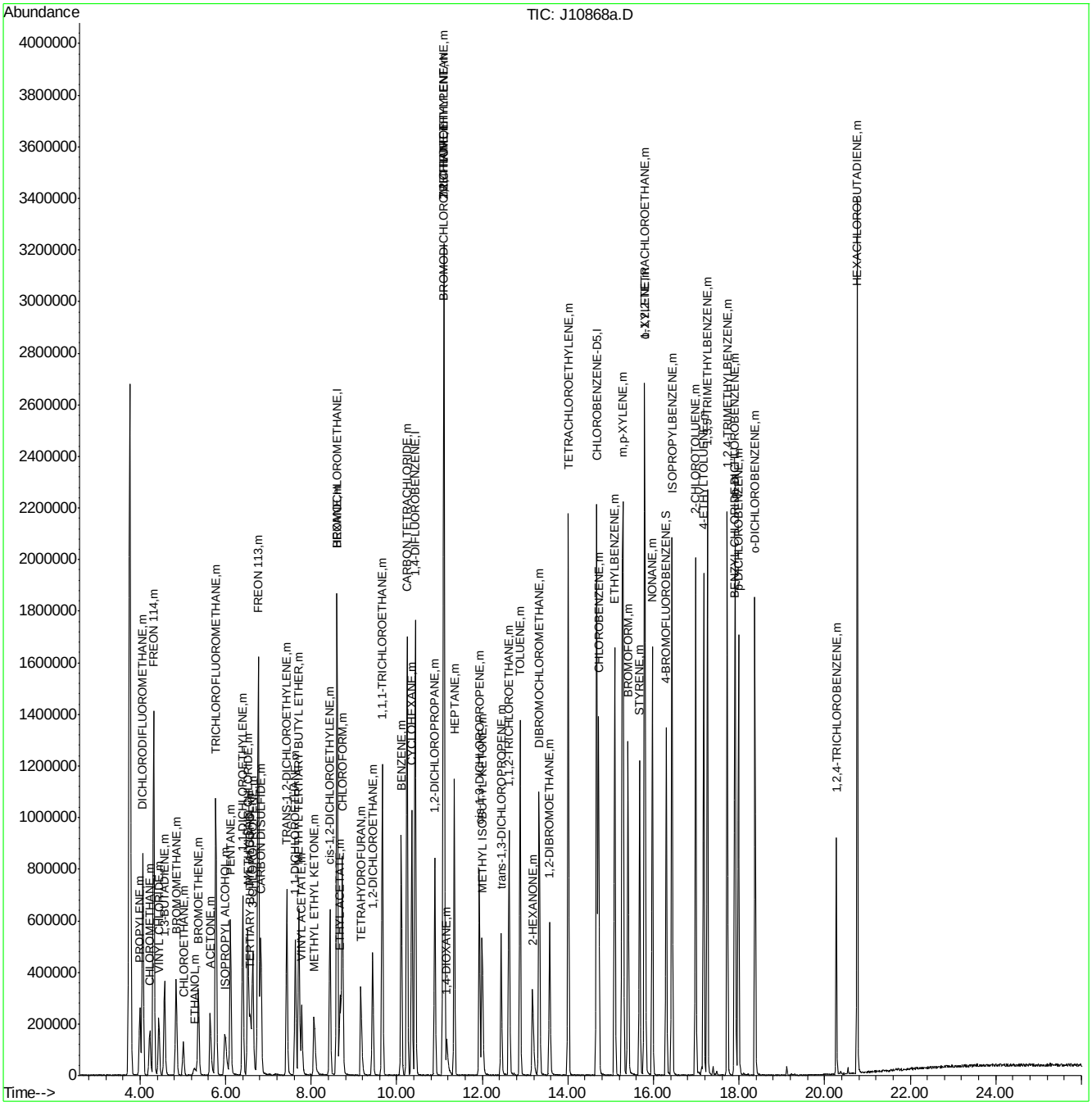
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.99	43	470043	10.33	PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.93	75	407474	10.95	PPBV	98
46) TOLUENE	12.88	92	578281	11.03	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.44	75	315716	9.17	PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.62	83	292867	11.81	PPBV	99
50) 2-HEXANONE	13.17	43	357292	10.27	PPBV	98
51) TETRACHLOROETHYLENE	14.01	164	490819	11.51	PPBV	99
52) DIBROMOCHLOROMETHANE	13.33	129	721652	11.17	PPBV	100
53) 1,2-DIBROMOETHANE	13.57	107	497929	11.22	PPBV	100
54) CHLOROBENZENE	14.72	112	799062	10.99	PPBV	99
55) ETHYLBENZENE	15.09	91	1274341	11.17	PPBV	100
56) m,p-XYLENE	15.28	106	1066459	22.74	PPBV	91
57) o-XYLENE	15.79	106	537195	11.55	PPBV	100
58) STYRENE	15.68	104	641503	10.45	PPBV	99
59) NONANE	15.97	43	589203	11.86	PPBV	99
60) BROMOFORM	15.41	173	710773	11.64	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.80	83	717790	11.56	PPBV	100
63) ISOPROPYLBENZENE	16.43	105	1535173	11.66	PPBV	99
64) 2-CHLOROTOLUENE	16.98	91	1065316	11.72	PPBV	99
65) 4-ETHYLTOLUENE	17.17	105	1222135	10.70	PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.26	105	1242727	11.61	PPBV	100
67) 1,2,4-TRIMETHYLBENZENE	17.72	105	1125219	11.80	PPBV	99
68) m-DICHLOROBENZENE	17.91	146	760499	11.23	PPBV	99
69) BENZYL CHLORIDE	17.89	91	525729	9.80	PPBV	100
70) p-DICHLOROBENZENE	17.98	146	679517	10.63	PPBV	99
71) o-DICHLOROBENZENE	18.37	146	702934	12.32	PPBV	100
72) HEXACHLOROBUTADIENE	20.76	225	565416	15.84	PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.27	180	241387	11.45	PPBV	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10868a.D
Acq On : 5 Jul 2007 5:56 pm
Operator : danat
Sample : cc562-10 (M080)
Misc : MS13866, MSJ562,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 05 18:24:49 2007
Quant Method : C:\MSDCHEM\1\METHODS\J070507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jul 05 17:30:53 2007
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
07/11/07 09:41

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10868.D
Acq On : 5 Jul 2007 5:56 pm
Operator : danat
Sample : icv562-10 (M080)
Misc : MS13866, MSJ562,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 05 18:24:49 2007
Quant Method : C:\MSDCHEM\1\METHODS\J070507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jul 05 17:30:53 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.60	128	347038	10.00	PPBV	-0.01
35) 1,4-DIFLUOROBENZENE	10.43	114	1501760	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.67	117	1335133	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.30	95	446244	5.44	PPBV	0.00
Spiked Amount 5.000	Range 51 - 142		Recovery = 108.80%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.06	85	1061110	9.42	PPBV	100
3) PROPYLENE	3.99	41	183358	10.60	PPBV	96
4) FREON 114	4.32	85	975926	9.85	PPBV	99
5) CHLOROMETHANE	4.23	50	255655	9.93	PPBV	94
6) VINYL CHLORIDE	4.44	62	301471	10.50	PPBV	99
7) 1,3-BUTADIENE	4.57	39	232443	11.26	PPBV	98
8) BROMOMETHANE	4.84	94	332070	10.01	PPBV	99
9) CHLOROETHANE	5.01	64	140388	10.56	PPBV	99
10) TRICHLOROFLUOROMETHANE	5.77	101	1134544	9.90	PPBV	100
11) ISOPROPYL ALCOHOL	5.99	45	376740m	10.92	PPBV	
12) ACETONE	5.64	43	394061	9.71	PPBV	99
13) PENTANE	6.12	42	281678	10.41	PPBV	99
14) 1,1-DICHLOROETHYLENE	6.40	96	307939	10.16	PPBV	100
15) CARBON DISULFIDE	6.82	76	926519	9.44	PPBV	99
16) ETHANOL	5.26	45	67215	10.80	PPBV #	65
17) BROMOETHENE	5.36	106	320378	10.94	PPBV	99
18) METHYLENE CHLORIDE	6.52	84	301838	9.92	PPBV	99
19) 3-CHLOROPROPENE	6.63	39	273020	10.74	PPBV	98
20) FREON 113	6.76	151	667835	9.23	PPBV	99
21) TRANS-1,2-DICHLOROETHYLENE	7.43	96	313361	10.47	PPBV	99
22) TERTIARY BUTYL ALCOHOL	6.57	59	462173	11.77	PPBV	93
23) METHYL TERTIARY BUTYL ETHE	7.71	73	685448	11.76	PPBV	99
24) TETRAHYDROFURAN	9.16	42	218377	11.59	PPBV	98
25) HEXANE	8.61	57	365581	9.63	PPBV	97
26) VINYL ACETATE	7.78	43	440550	11.01	PPBV	97
27) 1,1-DICHLOROETHANE	7.63	63	545669	10.33	PPBV	100
28) METHYL ETHYL KETONE	8.07	43	425680	10.63	PPBV	94
29) cis-1,2-DICHLOROETHYLENE	8.44	96	301089	10.37	PPBV	99
30) ETHYL ACETATE	8.67	43	462107	10.49	PPBV	100
31) CHLOROFORM	8.72	83	772083	10.29	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.66	97	843732	10.35	PPBV	99
33) CARBON TETRACHLORIDE	10.24	117	1036248	10.31	PPBV	99
34) 1,2-DICHLOROETHANE	9.43	62	456550	11.14	PPBV	99
36) BENZENE	10.11	78	802906	11.34	PPBV	100
37) CYCLOHEXANE	10.35	84	361468	10.80	PPBV	98
38) TRICHLOROETHYLENE	11.10	95	428230	11.34	PPBV	99
39) 1,2-DICHLOROPROPANE	10.89	63	271622	11.36	PPBV	99
40) BROMODICHLOROMETHANE	11.08	83	736999	10.65	PPBV	98
41) 2,2,4-TRIMETHYLPENTANE	11.10	57	1295156	9.40	PPBV	99
42) 1,4-DIOXANE	11.17	88	136276	9.35	PPBV	92
43) HEPTANE	11.34	43	409530	10.88	PPBV	99

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10868.D
Acq On : 5 Jul 2007 5:56 pm
Operator : danat
Sample : icv562-10 (M080)
Misc : MS13866, MSJ562,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 05 18:24:49 2007
Quant Method : C:\MSDCHEM\1\METHODS\J070507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jul 05 17:30:53 2007
Response via : Initial Calibration

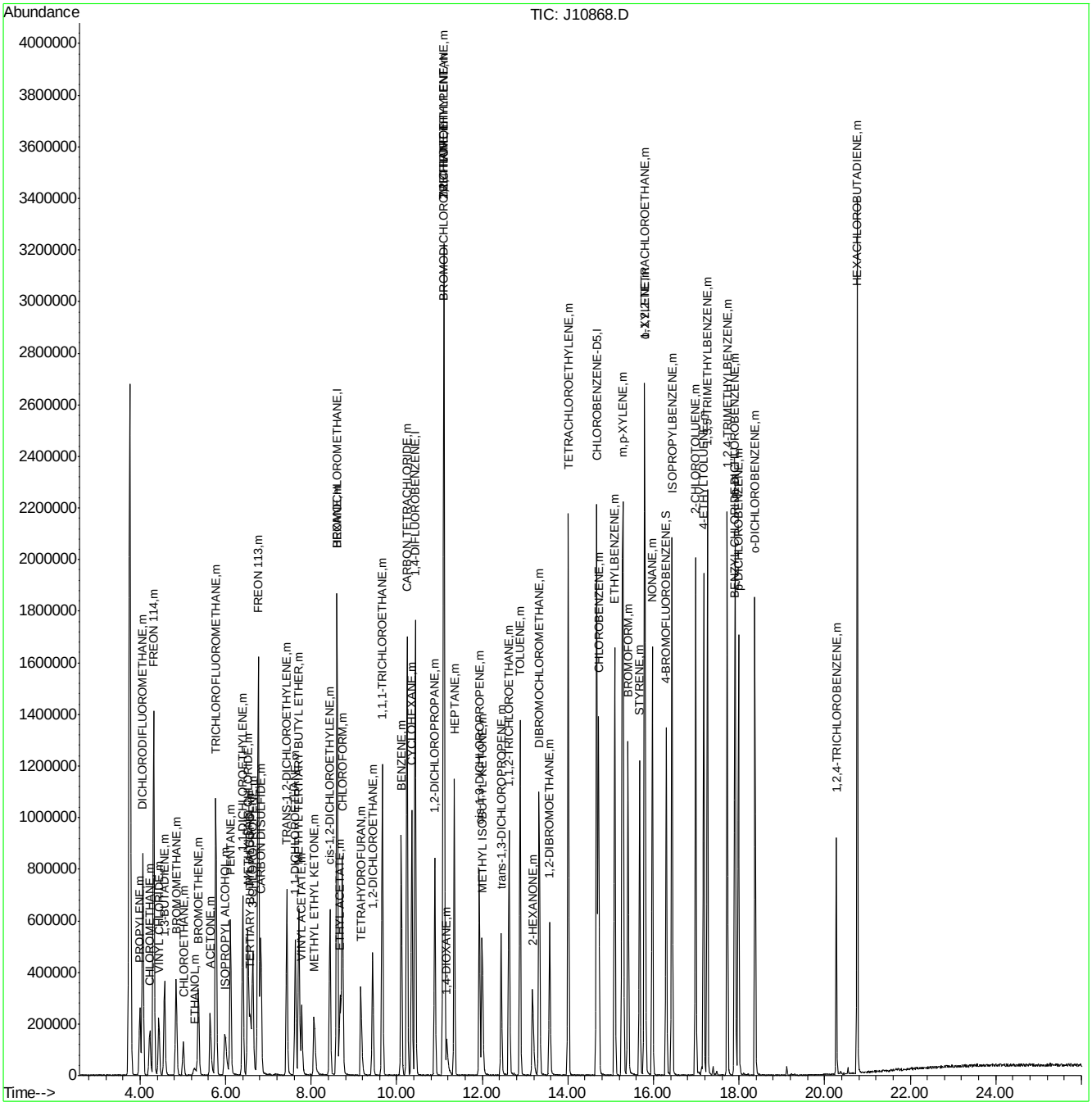
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.99	43	470043	10.33	PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.93	75	407474	10.95	PPBV	98
46) TOLUENE	12.88	92	578281	11.03	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.44	75	315716	9.17	PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.62	83	292867	11.81	PPBV	99
50) 2-HEXANONE	13.17	43	357292	10.27	PPBV	98
51) TETRACHLOROETHYLENE	14.01	164	490819	11.51	PPBV	99
52) DIBROMOCHLOROMETHANE	13.33	129	721652	11.17	PPBV	100
53) 1,2-DIBROMOETHANE	13.57	107	497929	11.22	PPBV	100
54) CHLOROBENZENE	14.72	112	799062	10.99	PPBV	99
55) ETHYLBENZENE	15.09	91	1274341	11.17	PPBV	100
56) m,p-XYLENE	15.28	106	1066459	22.74	PPBV	91
57) o-XYLENE	15.79	106	537195	11.55	PPBV	100
58) STYRENE	15.68	104	641503	10.45	PPBV	99
59) NONANE	15.97	43	589203	11.86	PPBV	99
60) BROMOFORM	15.41	173	710773	11.64	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.80	83	717790	11.56	PPBV	100
63) ISOPROPYLBENZENE	16.43	105	1535173	11.66	PPBV	99
64) 2-CHLOROTOLUENE	16.98	91	1065316	11.72	PPBV	99
65) 4-ETHYLTOLUENE	17.17	105	1222135	10.70	PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.26	105	1242727	11.61	PPBV	100
67) 1,2,4-TRIMETHYLBENZENE	17.72	105	1125219	11.80	PPBV	99
68) m-DICHLOROBENZENE	17.91	146	760499	11.23	PPBV	99
69) BENZYL CHLORIDE	17.89	91	525729	9.80	PPBV	100
70) p-DICHLOROBENZENE	17.98	146	679517	10.63	PPBV	99
71) o-DICHLOROBENZENE	18.37	146	702934	12.32	PPBV	100
72) HEXACHLOROBUTADIENE	20.76	225	565416	15.84	PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.27	180	241387	11.45	PPBV	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10868.D
Acq On : 5 Jul 2007 5:56 pm
Operator : danat
Sample : icv562-10 (M080)
Misc : MS13866, MSJ562,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 05 18:24:49 2007
Quant Method : C:\MSDCHEM\1\METHODS\J070507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jul 05 17:30:53 2007
Response via : Initial Calibration



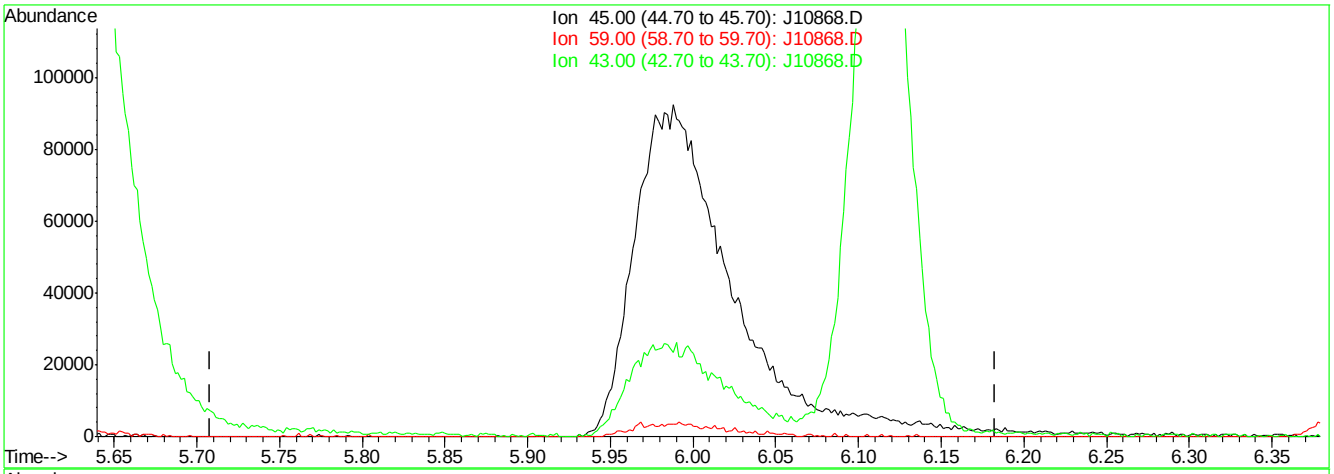
ACCUTEST Laboratories M67847

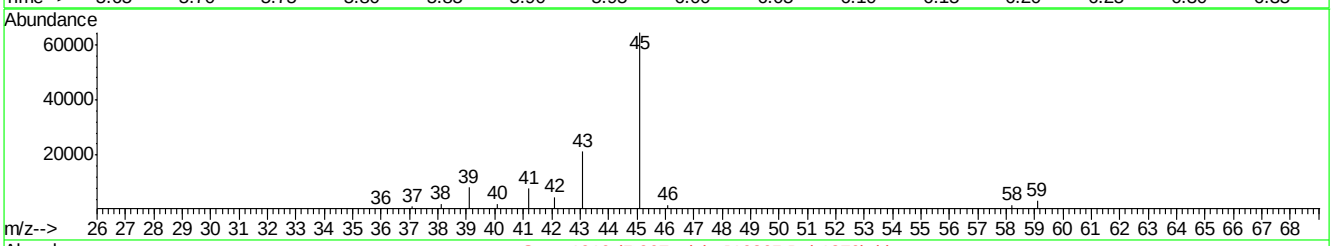
Quantitation Report (Qedit)

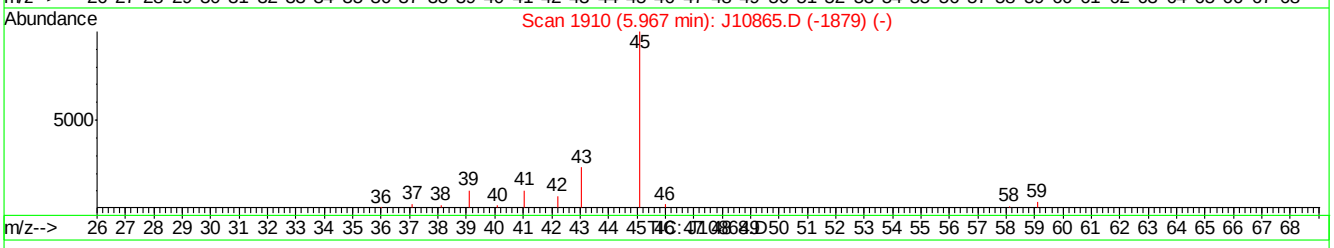
Data File : C:\MSDChem\1\data\J10868.D Vial: 3
Acq On : 5 Jul 2007 5:56 pm Operator: danat
Sample : icv562-10 (M080) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 18:23:26 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 17:30:53 2007
Response via : Multiple Level Calibration







(11) ISOPROPYL ALCOHOL (m)

5.97min 0.00PPBV

response 0

Ion	Exp%	Act%
45.00	100	0.00
59.00	3.60	0.00
43.00	24.20	0.00#
0.00	0.00	0.00

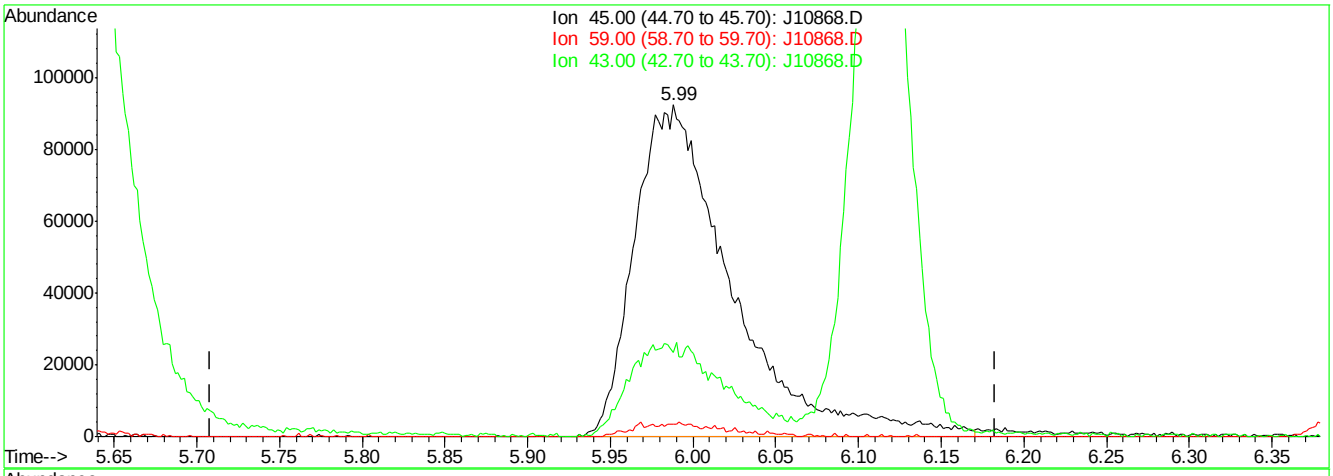
J10868.D J070507T.M Thu Jul 05 18:23:58 2007

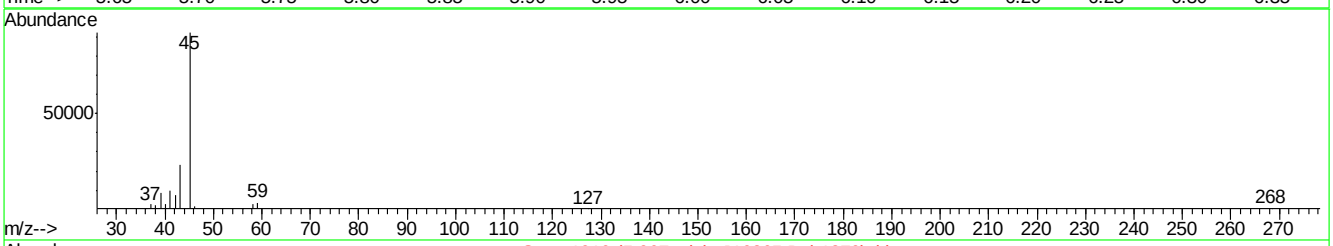
Quantitation Report (Qedit)

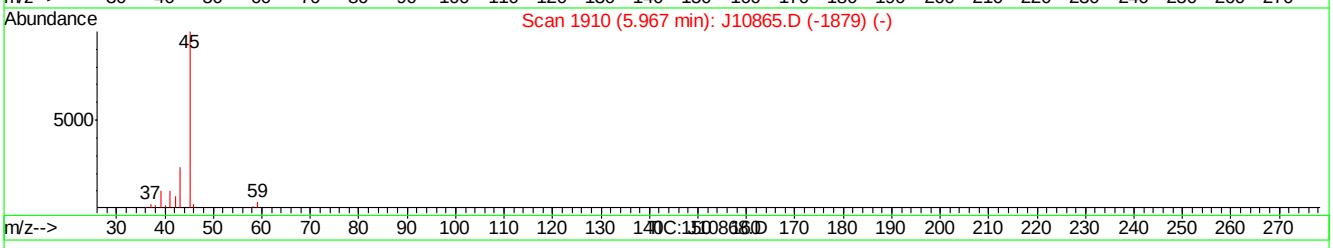
Data File : C:\MSDChem\1\data\J10868.D Vial: 3
Acq On : 5 Jul 2007 5:56 pm Operator: danat
Sample : icv562-10 (M080) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 18:23:26 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 17:30:53 2007
Response via : Multiple Level Calibration







(11) ISOPROPYL ALCOHOL (m)

5.99min 10.92PPBV m

response 376740

Ion	Exp%	Act%
45.00	100	100
59.00	3.60	3.62
43.00	24.20	25.44
0.00	0.00	0.00

J10868.D J070507T.M Thu Jul 05 18:24:05 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

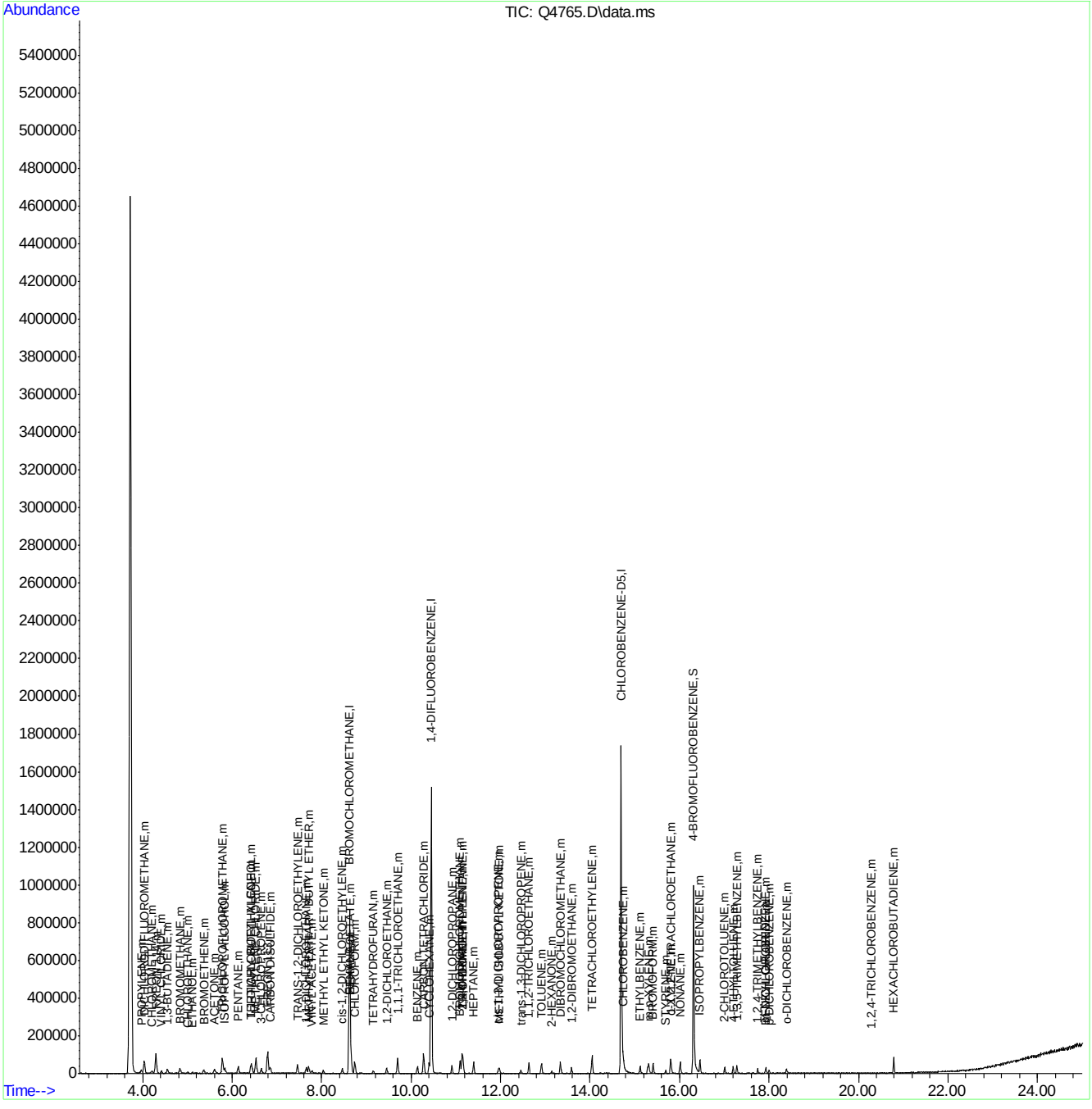
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.977	43	15035	0.32	PPBV	99
45) cis-1,3-DICHLOROPROPENE	11.947	75	10658	0.31	PPBV #	53
46) TOLUENE	12.916	92	19562	0.36	PPBV	98
47) trans-1,3-DICHLOROPROPENE	12.453	75	7964	0.25	PPBV	97
48) 1,1,2-TRICHLOROETHANE	12.635	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

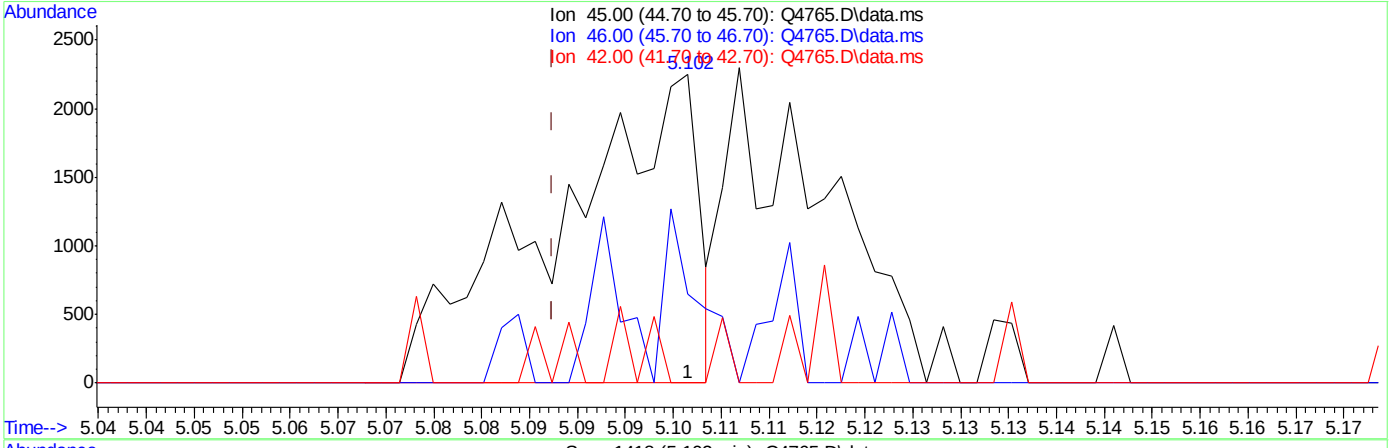
Quant Time: Oct 02 09:26:41 2007
Quant Method : C:\msdchem\1\METHODS\Q100207T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Oct 01 16:26:29 2007
Response via : Initial Calibration

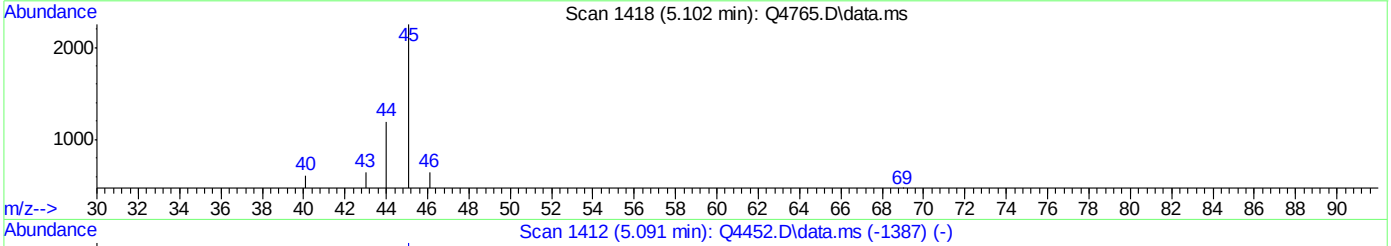


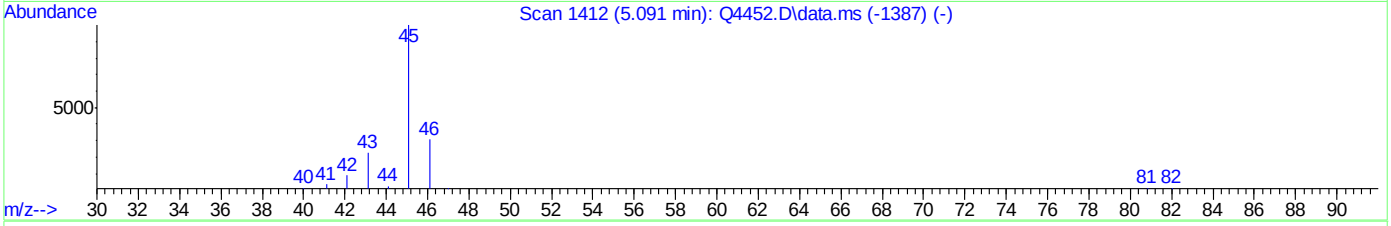
Quantitation Report (Qedit)

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

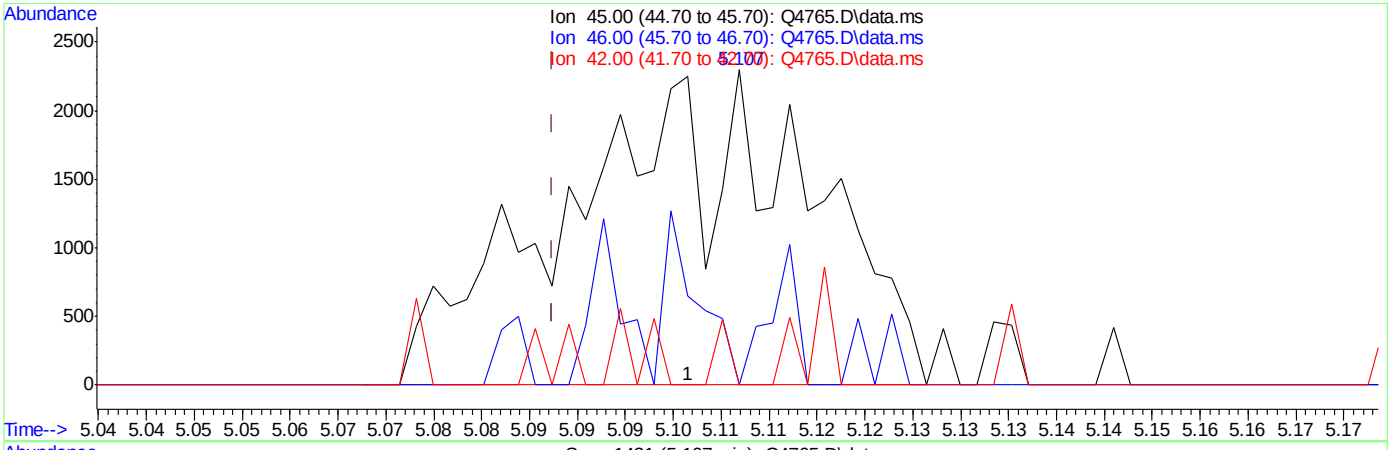
Ion	Exp%	Act%
45.00	100	100
46.00	32.80	38.07
42.00	13.10	6.49
0.00	0.00	0.00

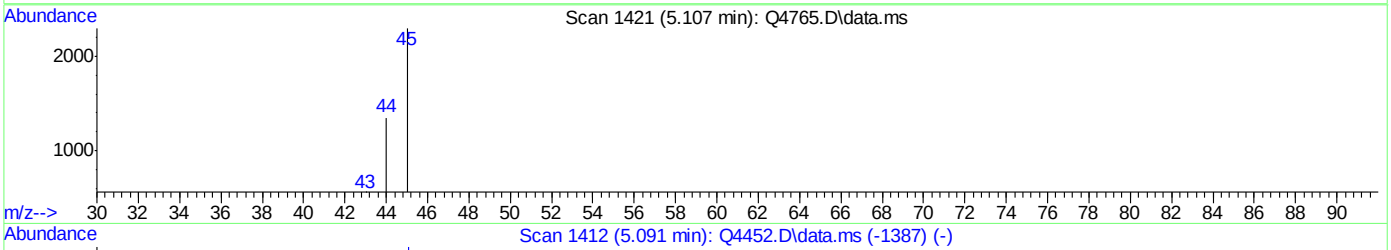
ACCUTEST Laboratories M67847

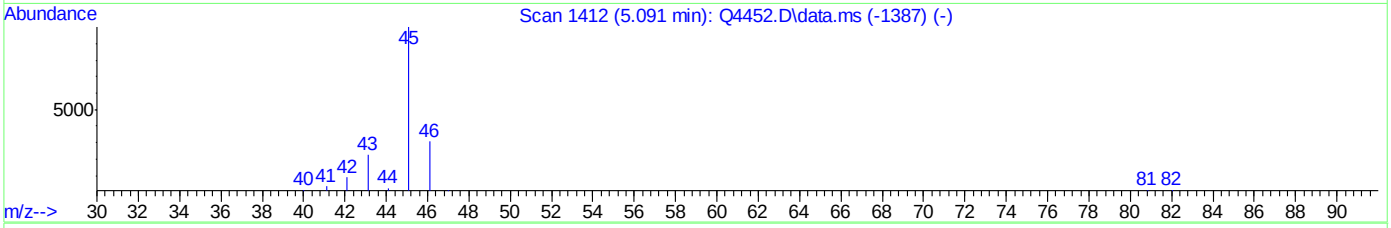
Quantitation Report (Qedit)

```
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

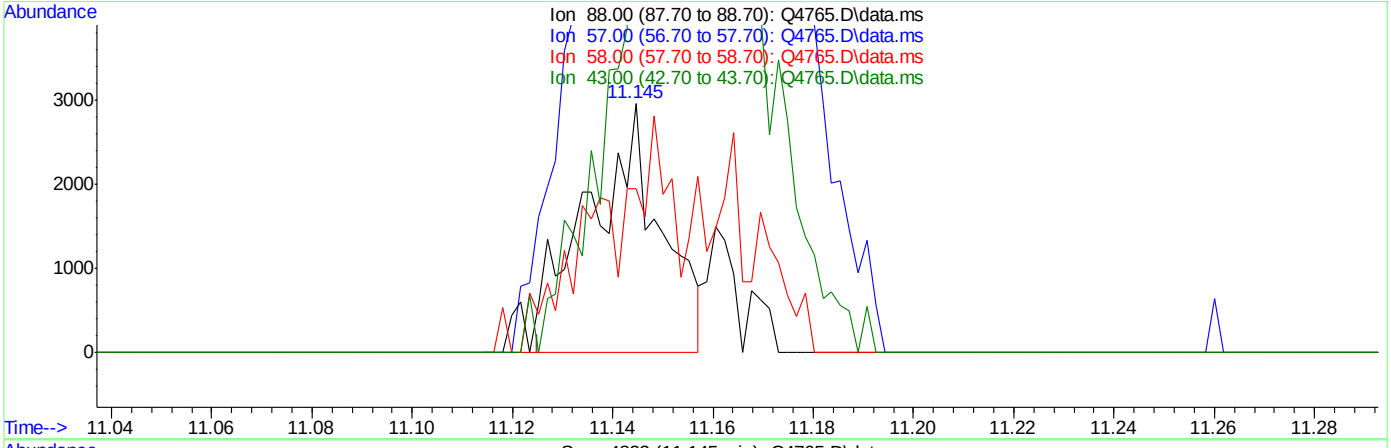
response 3990

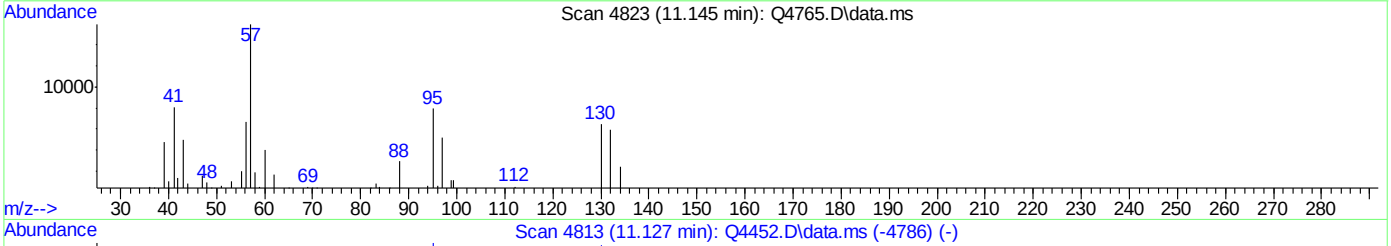
Ion	Exp%	Act%
45.00	100	100
46.00	32.80	22.21
42.00	13.10	3.78
0.00	0.00	0.00

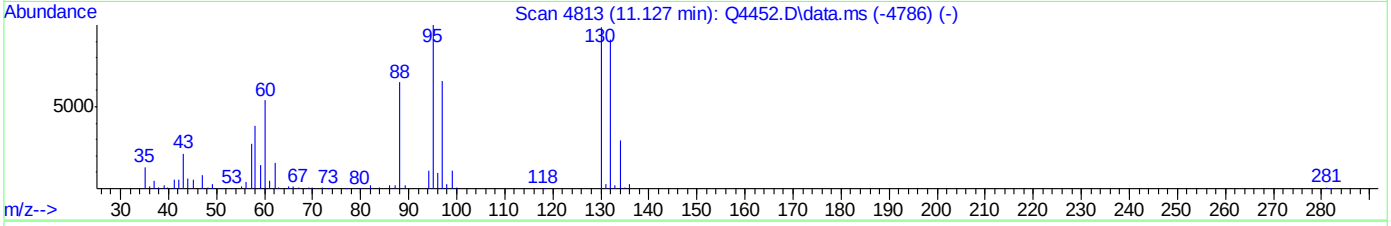
Quantitation Report (Qedit)

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#

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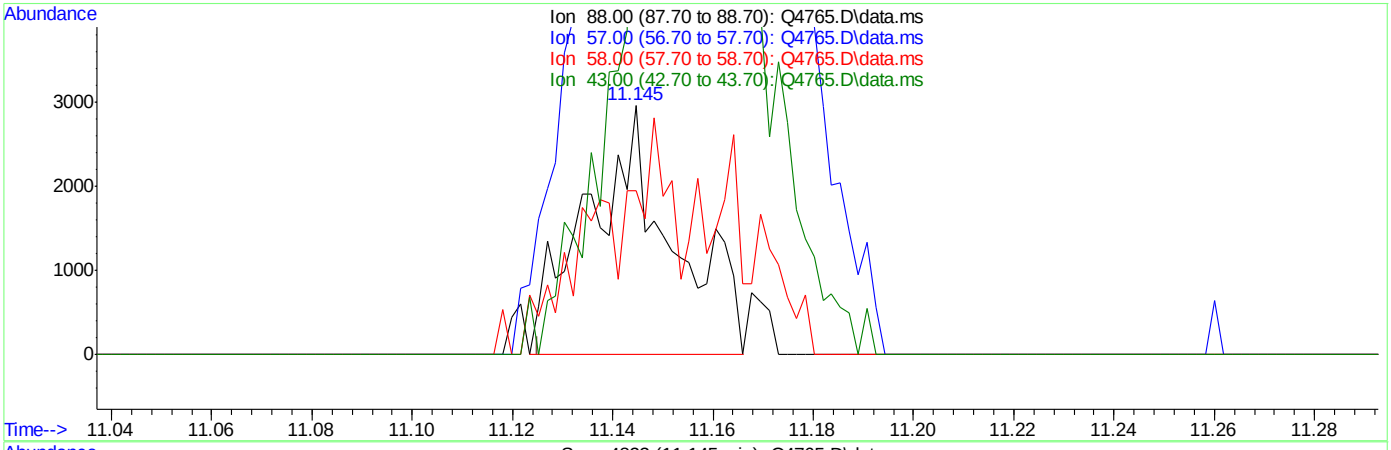
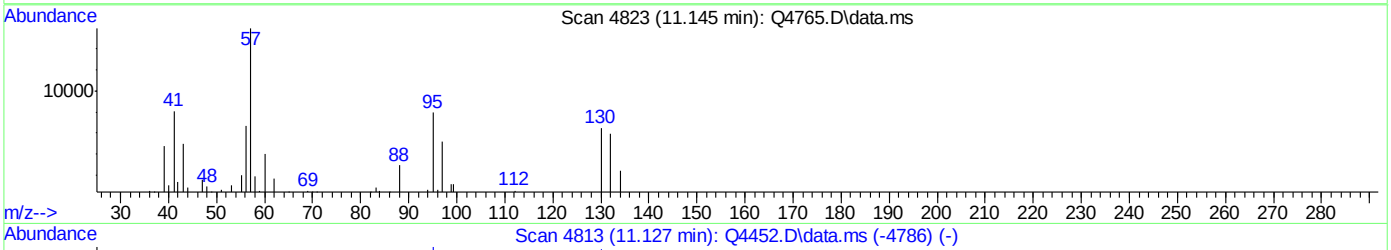
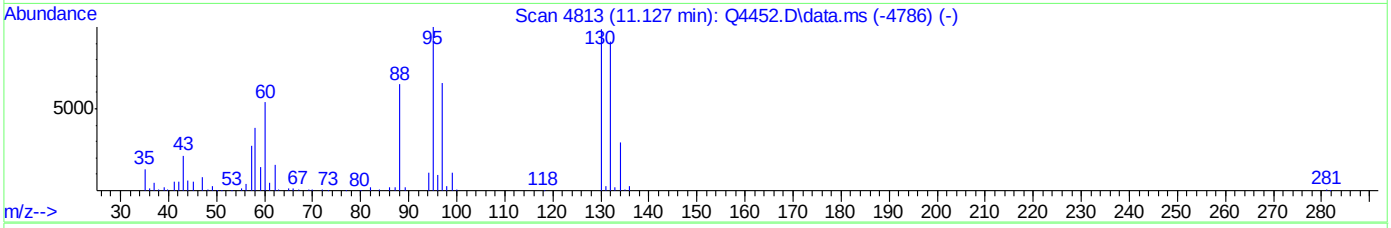
Quantitation Report (Qedit)

```
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

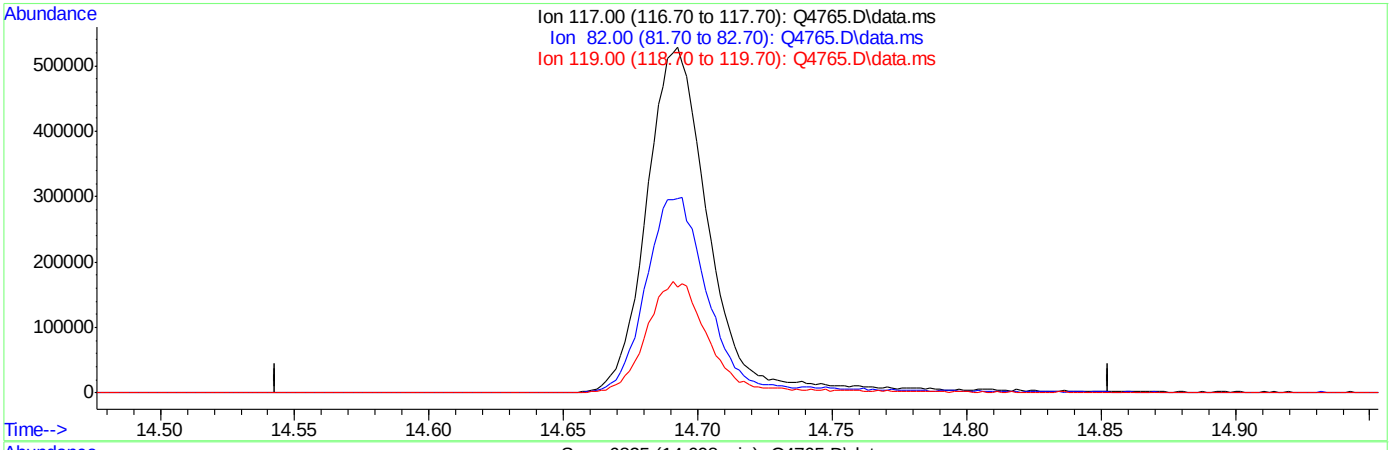
Ion	Exp%	Act%
88.00	100	100
57.00	40.40	538.71#
58.00	66.50	65.62
43.00	55.90	168.15#

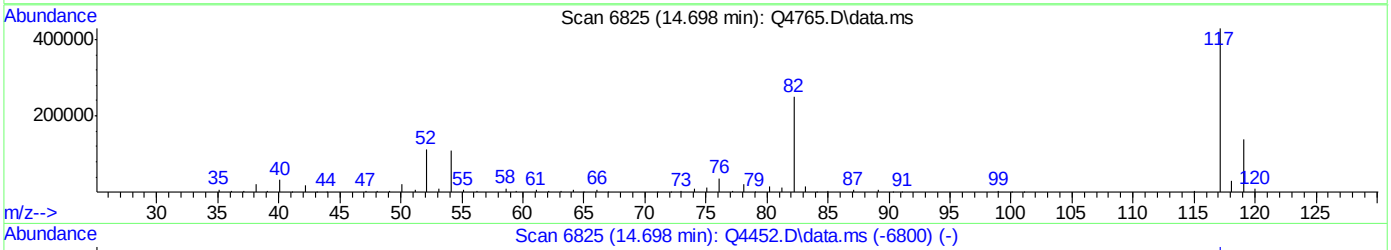
ACCUTEST Laboratories M67847

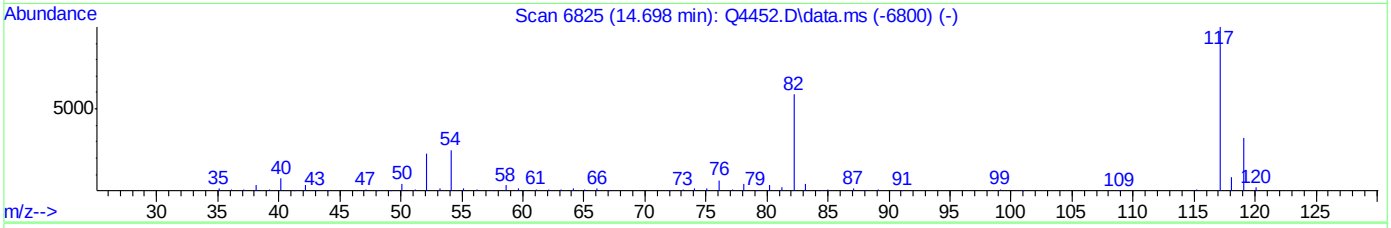
Quantitation Report (Qedit)

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

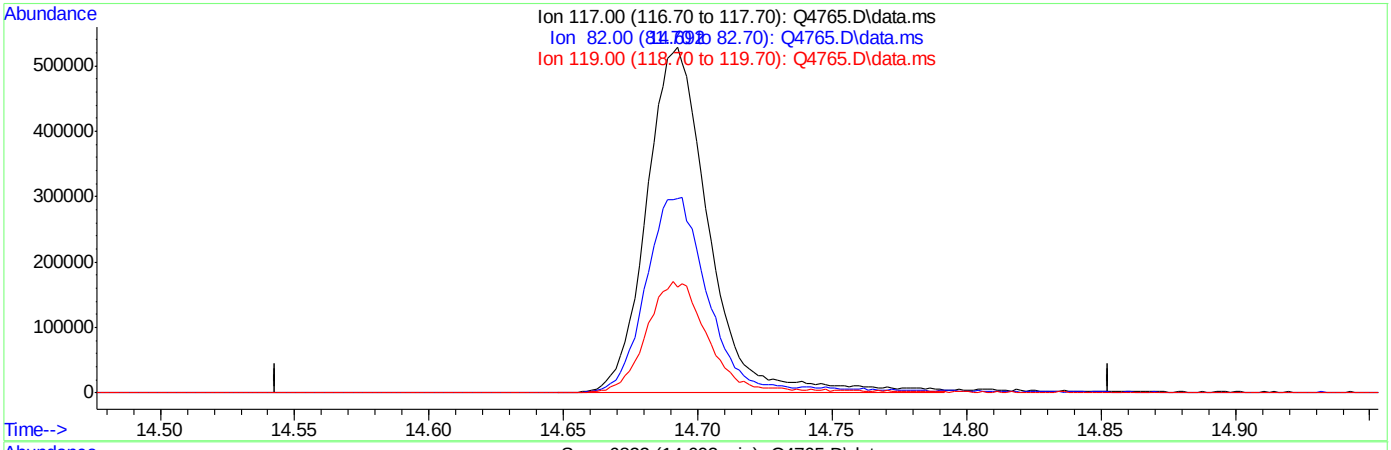
Ion	Exp%	Act%
117.00	100	0.00
82.00	68.40	0.00#
119.00	32.10	0.00#
0.00	0.00	0.00

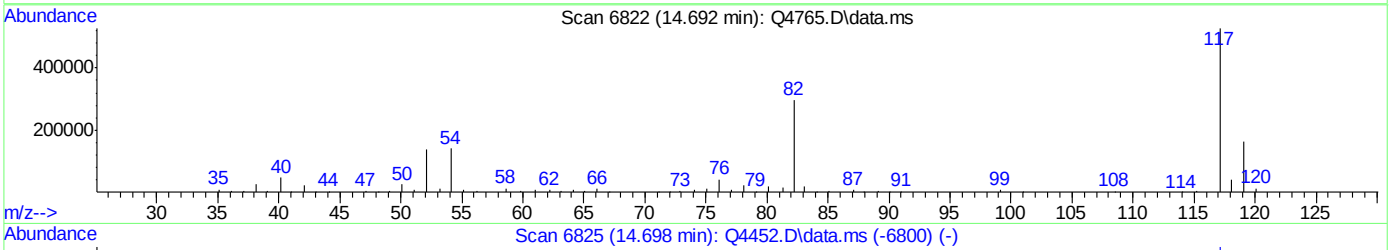
ACCUTEST Laboratories M67847

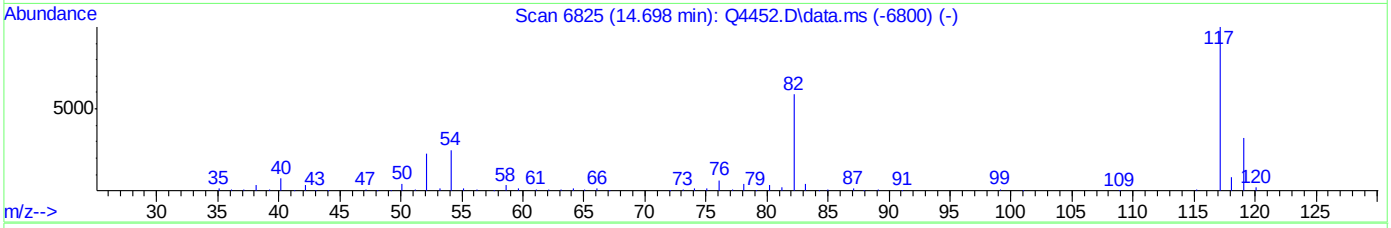
Quantitation Report (Qedit)

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 M67847

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

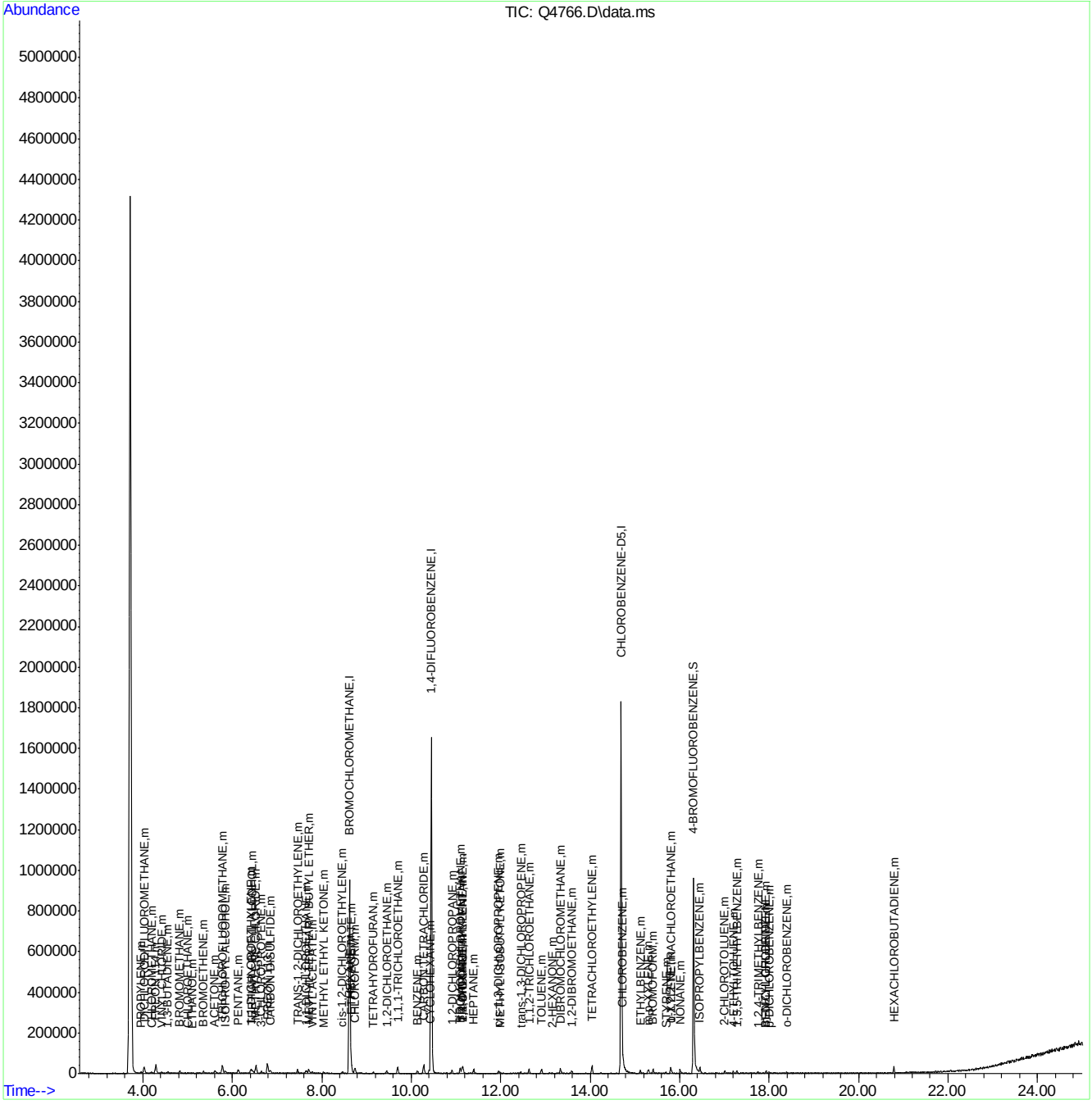
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.982	43	5514	0.11	PPBV	95
45) cis-1,3-DICHLOROPROPENE	11.950	75	4328	0.12	PPBV #	58
46) TOLUENE	12.912	92	7887	0.13	PPBV	96
47) trans-1,3-DICHLOROPROPENE	12.451	75	2999	0.09	PPBV	89
48) 1,1,2-TRICHLOROETHANE	12.634	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



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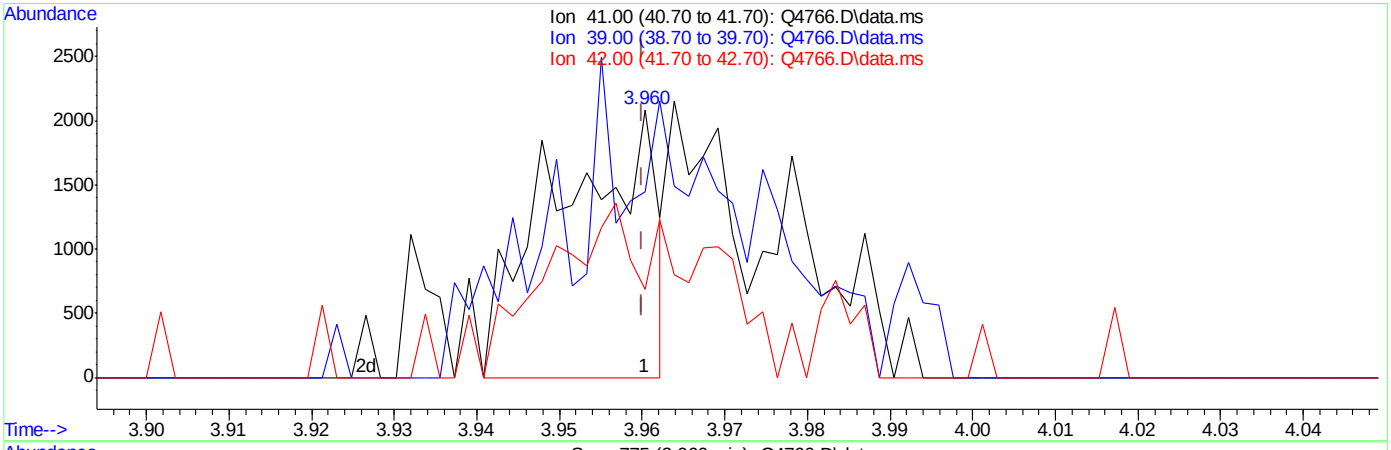
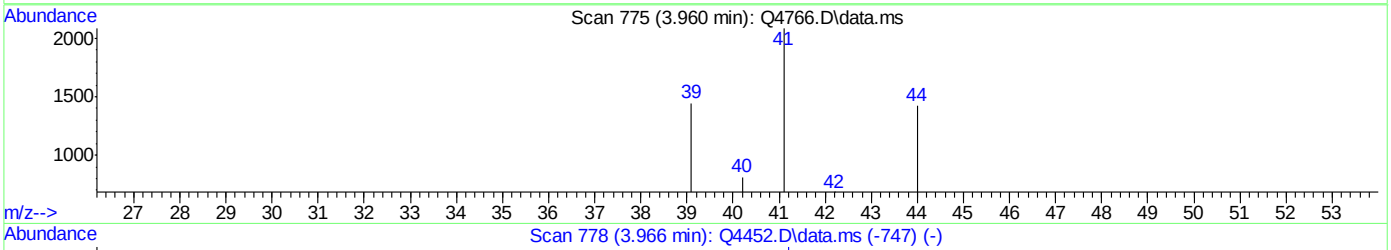
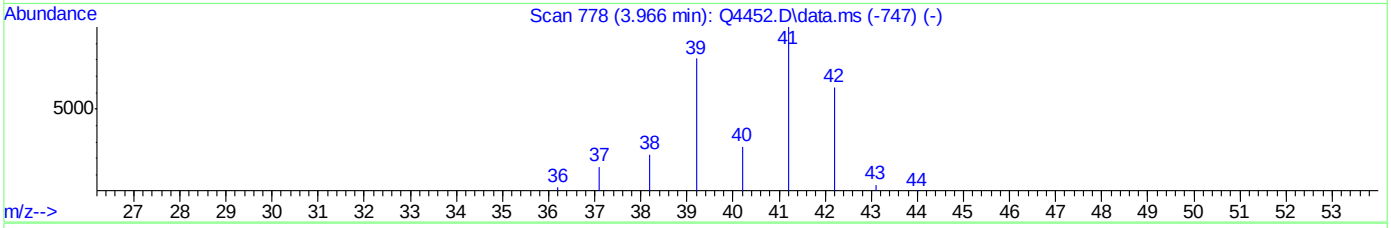
Quantitation Report (Qedit)

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

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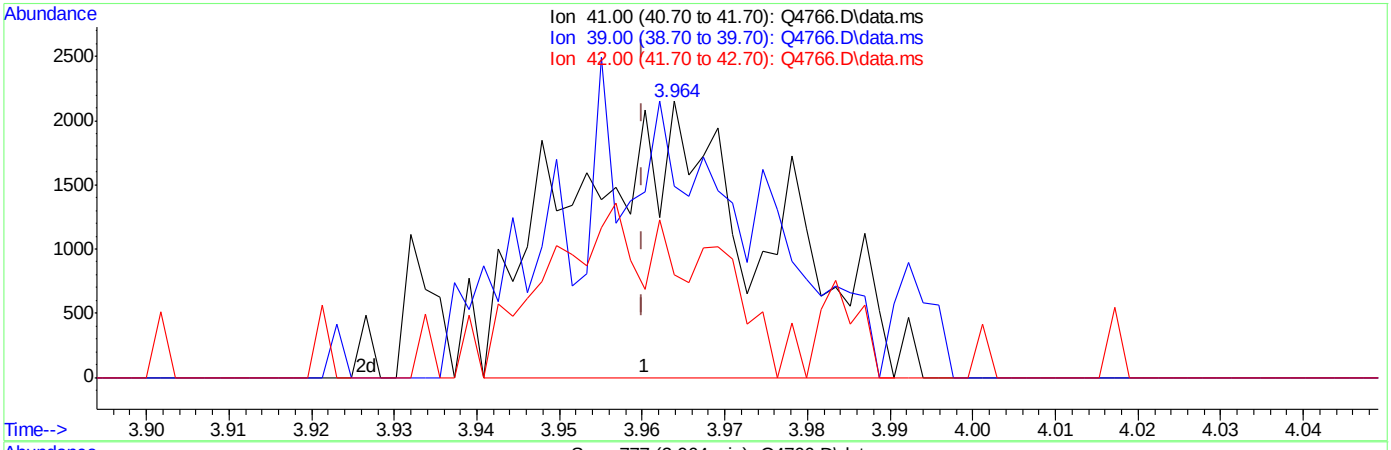
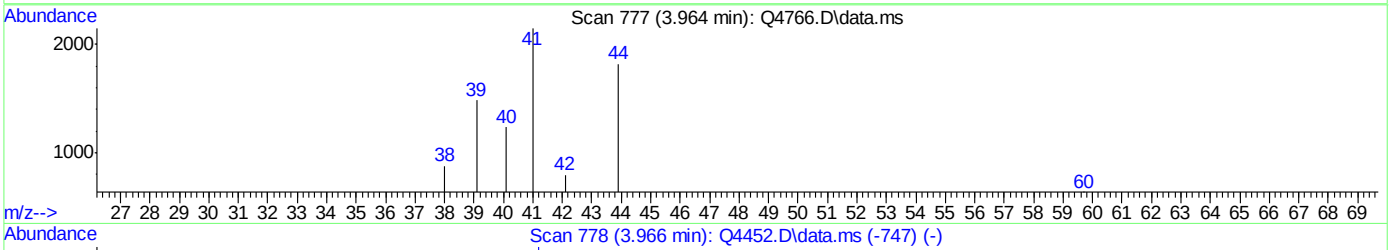
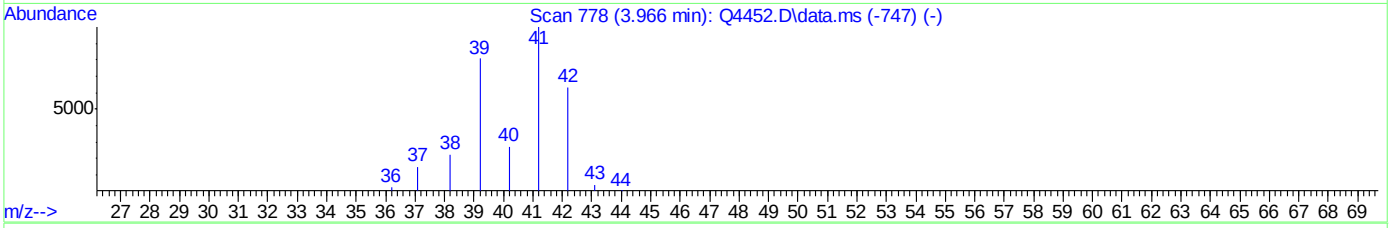
Quantitation Report (Qedit)

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

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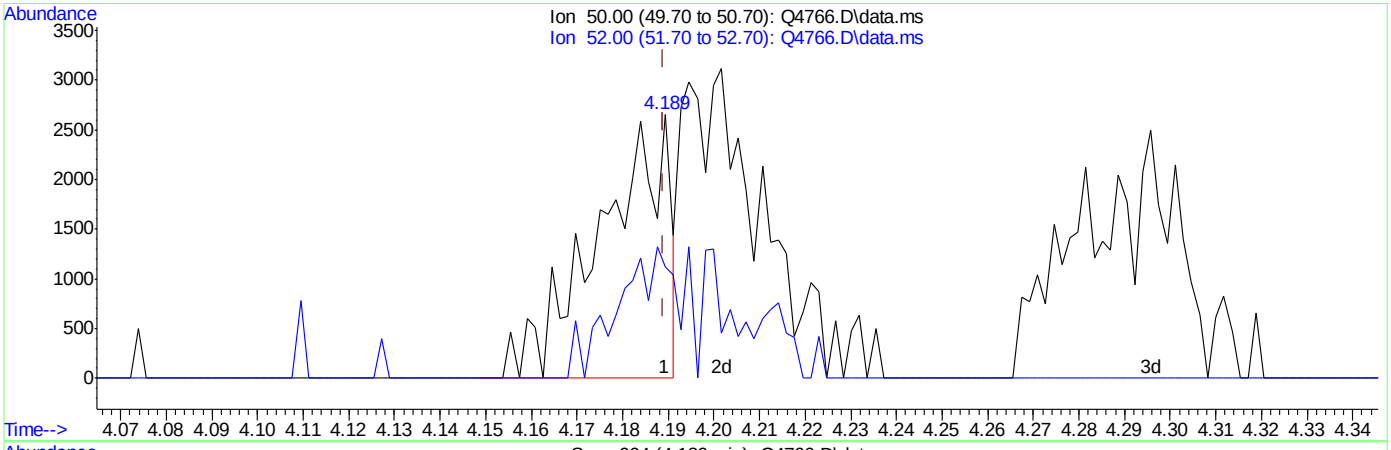
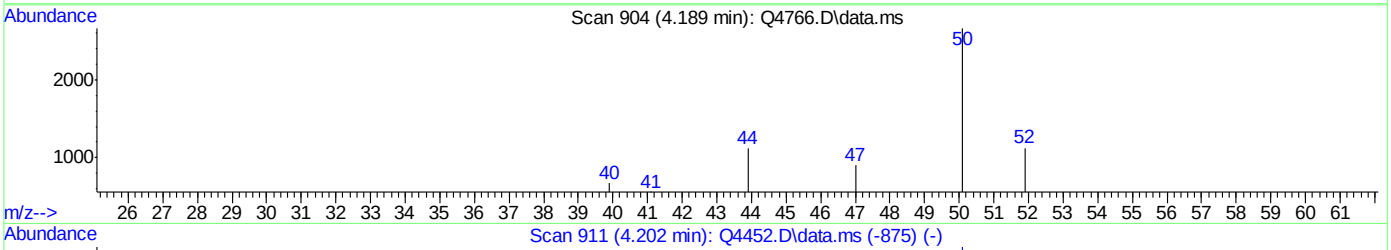
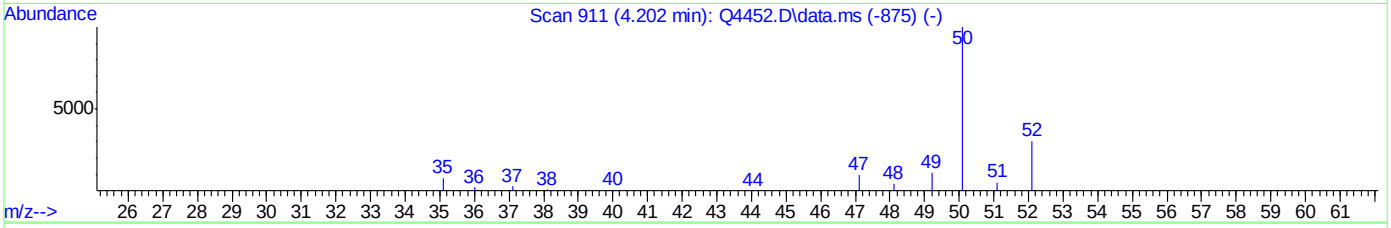
Quantitation Report (Qedit)

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

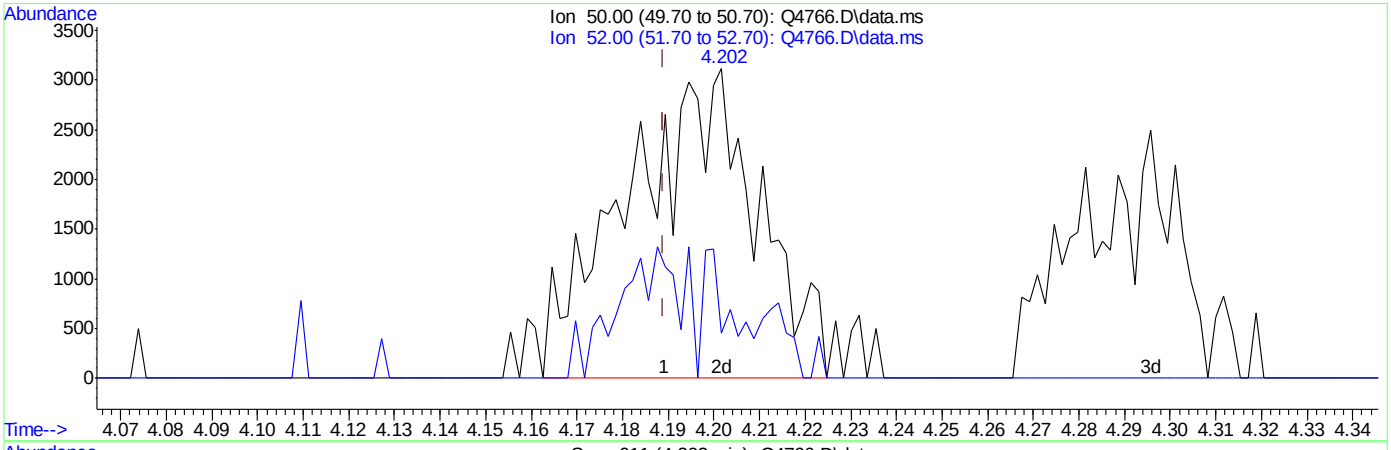
response 2810

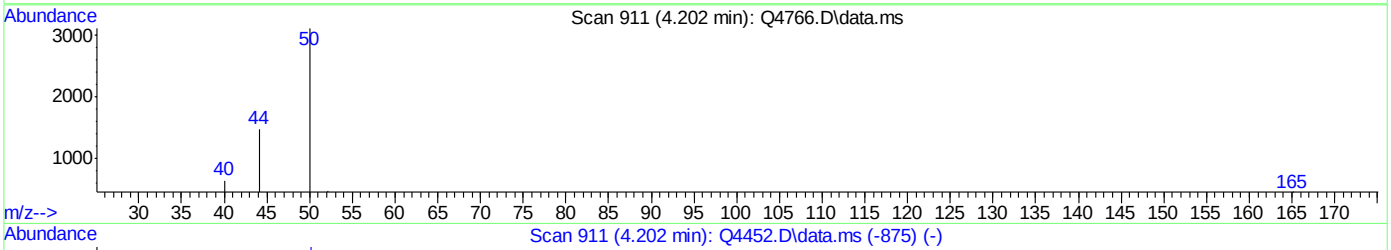
Ion	Exp%	Act%
50.00	100	100
52.00	32.70	31.11
0.00	0.00	0.00
0.00	0.00	0.00

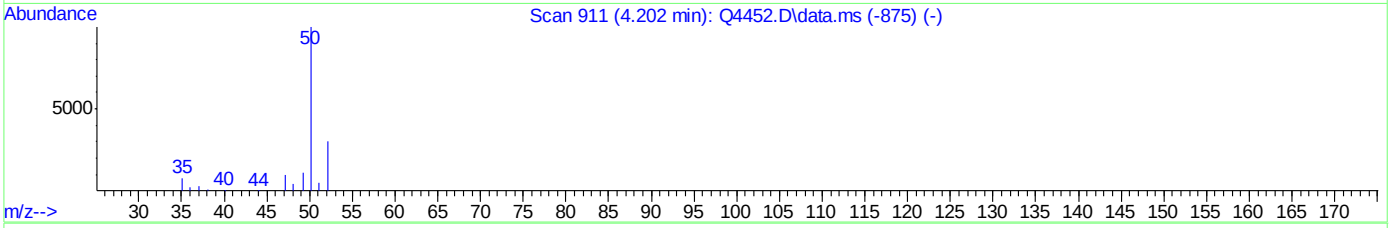
Quantitation Report (Qedit)

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

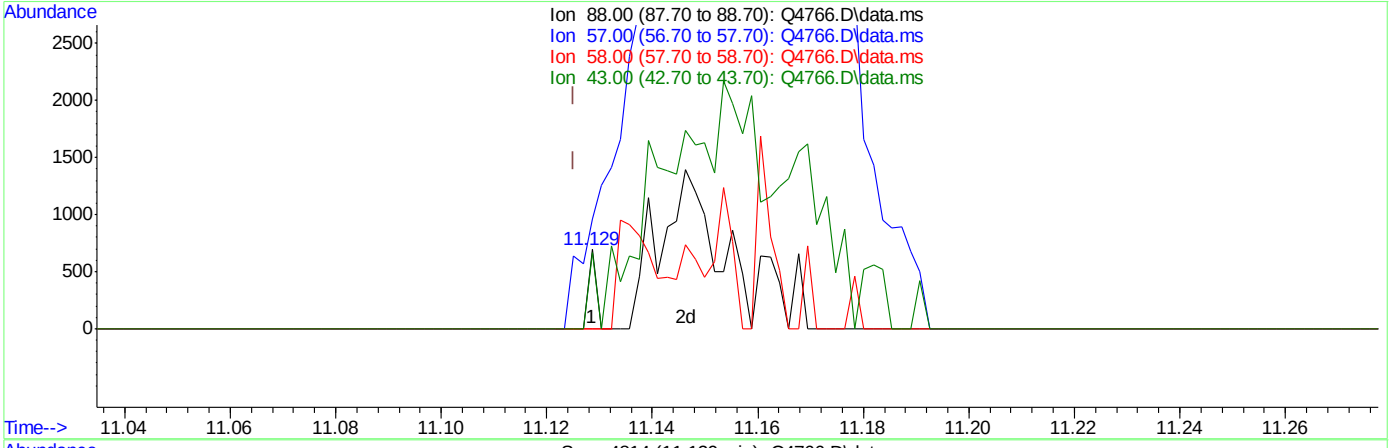
response 6190

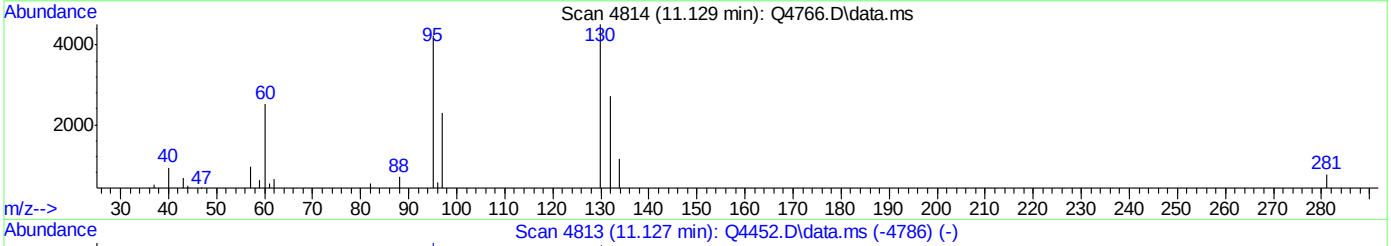
Ion	Exp%	Act%
50.00	100	100
52.00	32.70	14.70
0.00	0.00	0.00
0.00	0.00	0.00

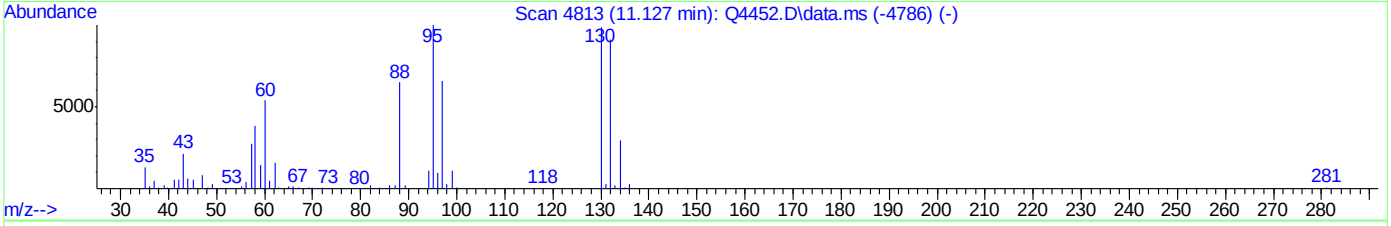
Quantitation Report (Qedit)

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#

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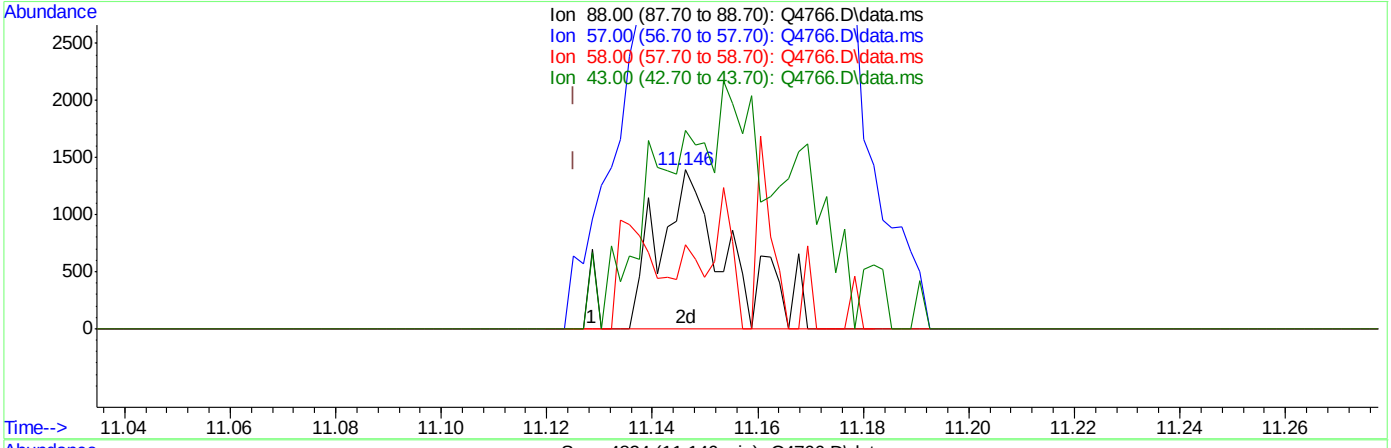
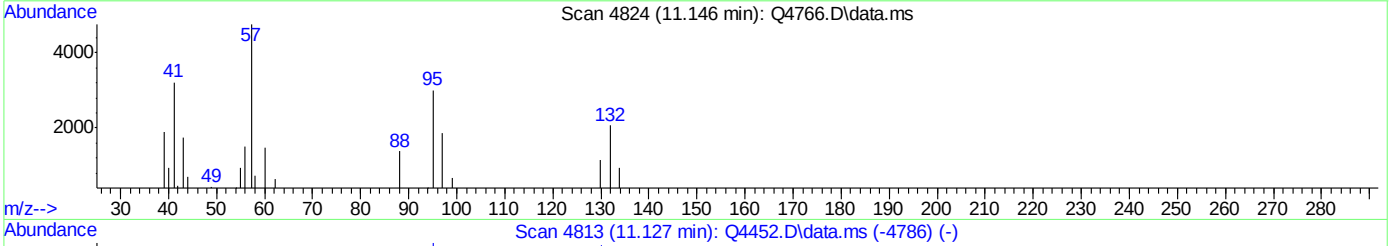
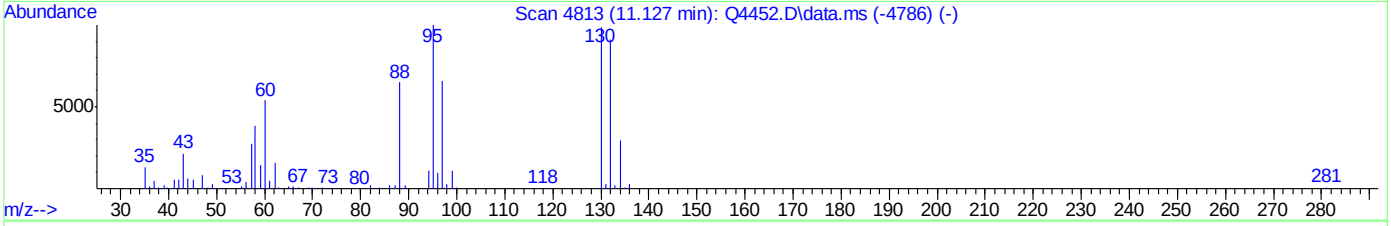
Quantitation Report (Qedit)

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#

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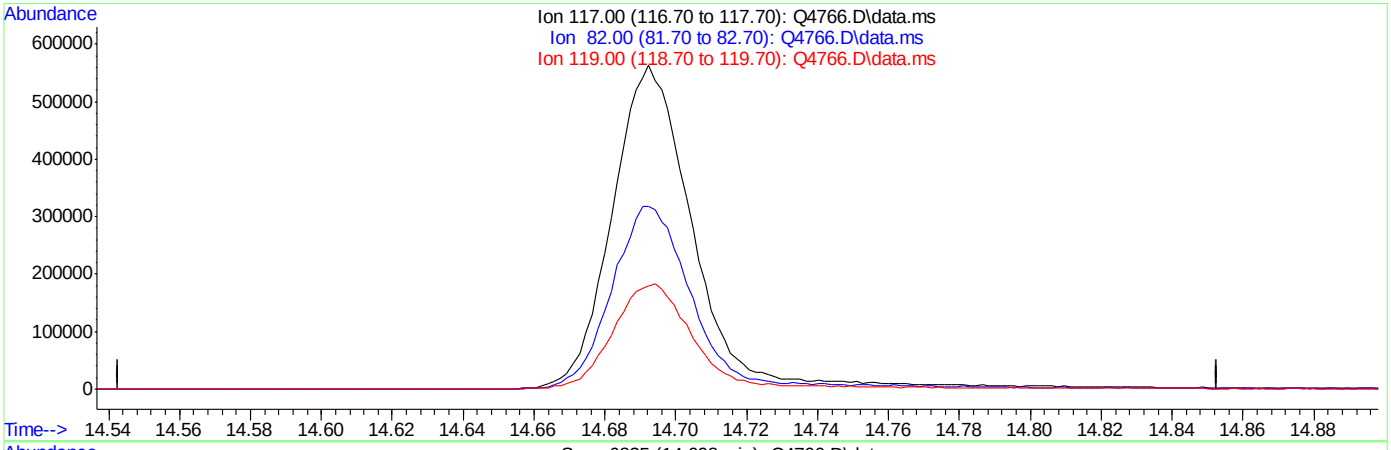
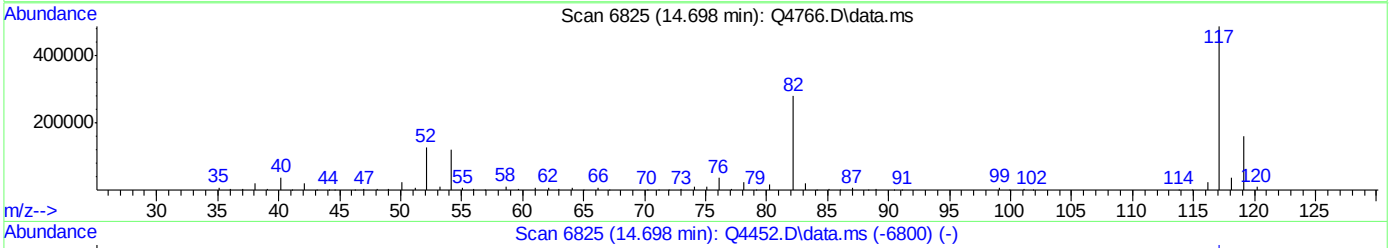
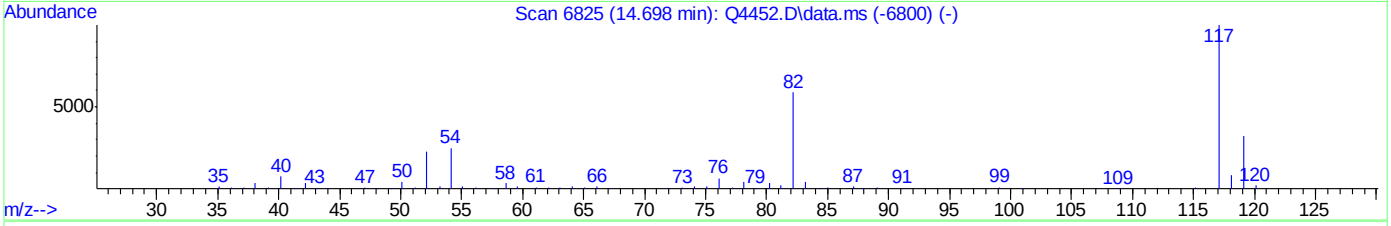
Quantitation Report (Qedit)

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

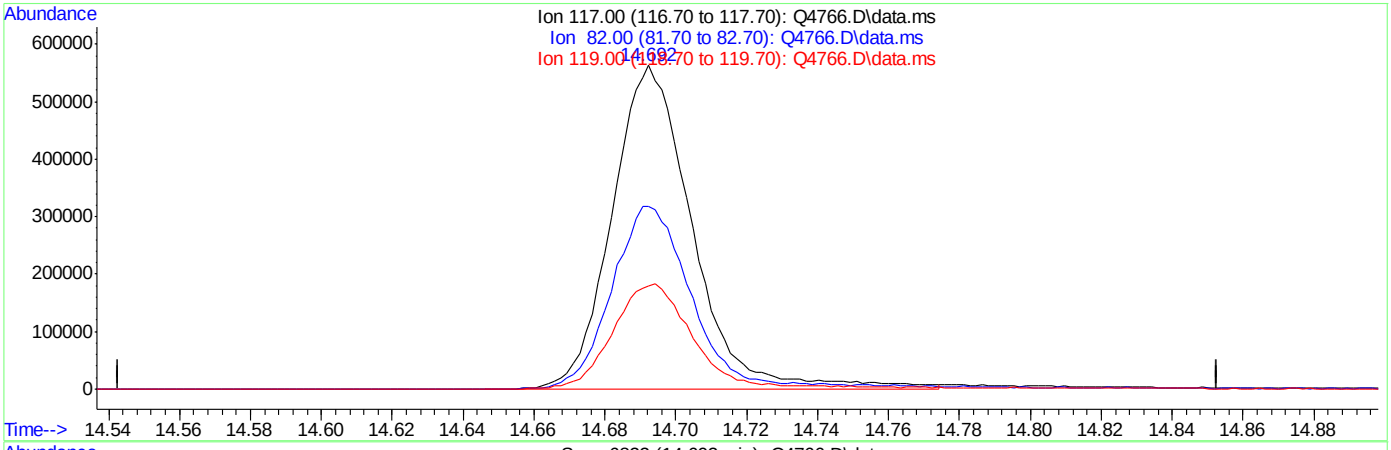
response 0

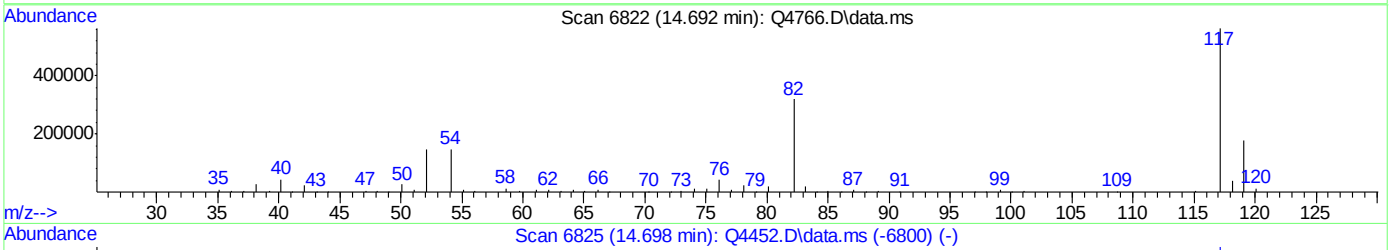
Ion	Exp%	Act%
117.00	100	0.00
82.00	68.40	0.00#
119.00	32.10	0.00#
0.00	0.00	0.00

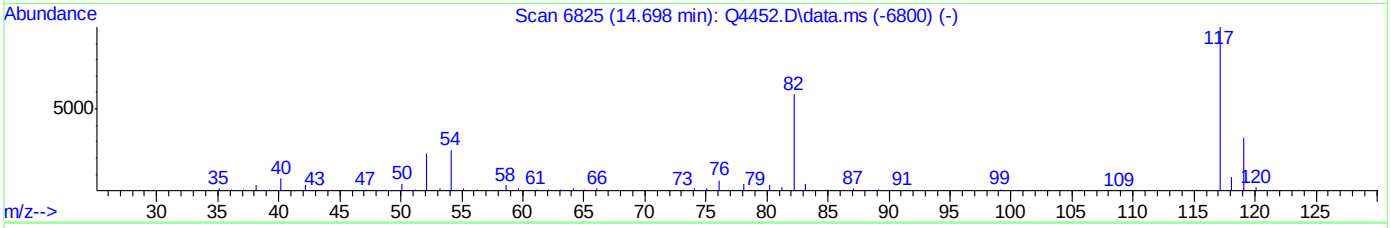
Quantitation Report (Qedit)

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

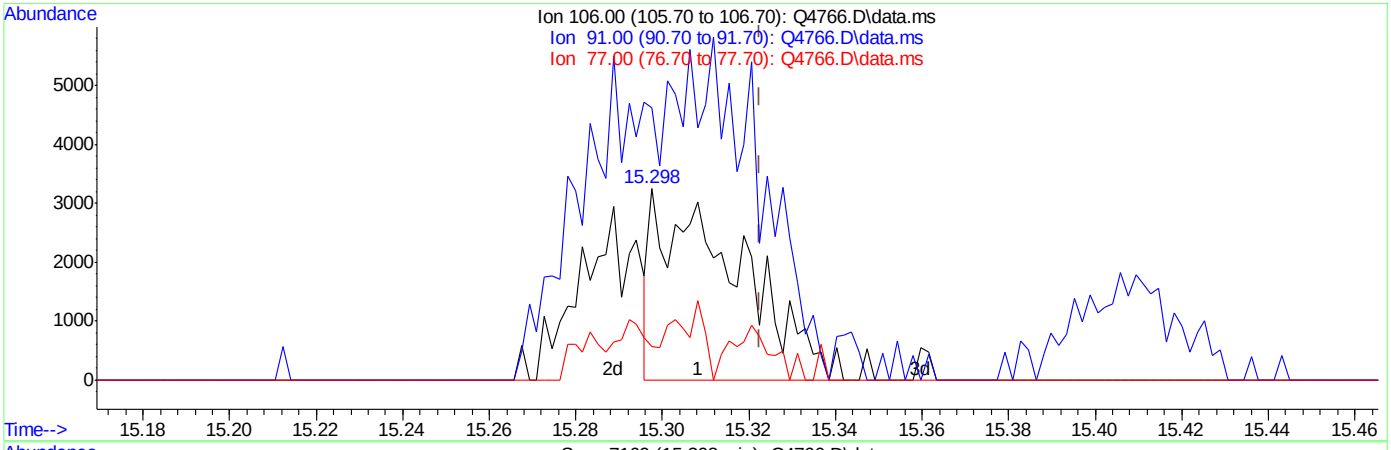
response 889298

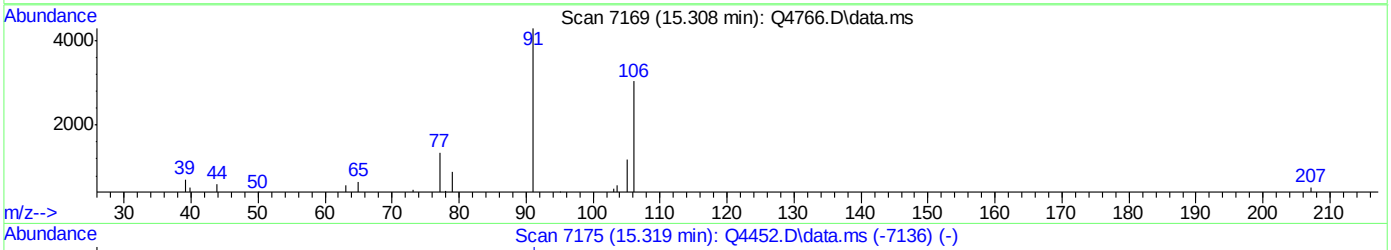
Ion	Exp%	Act%
117.00	100	100
82.00	68.40	0.00#
119.00	32.10	0.00#
0.00	0.00	0.00

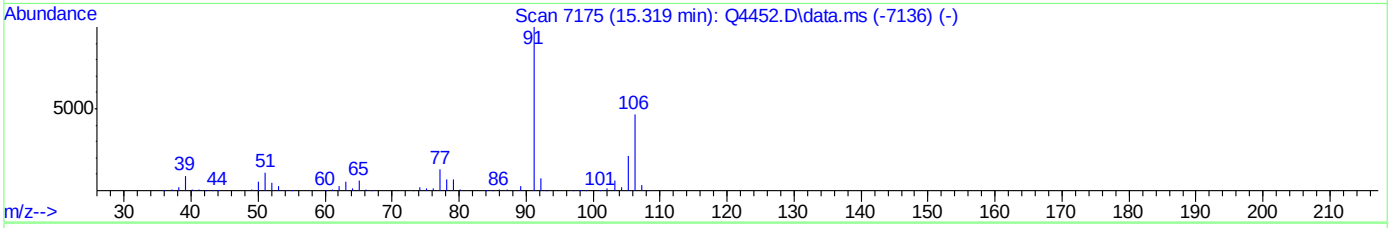
Quantitation Report (Qedit)

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

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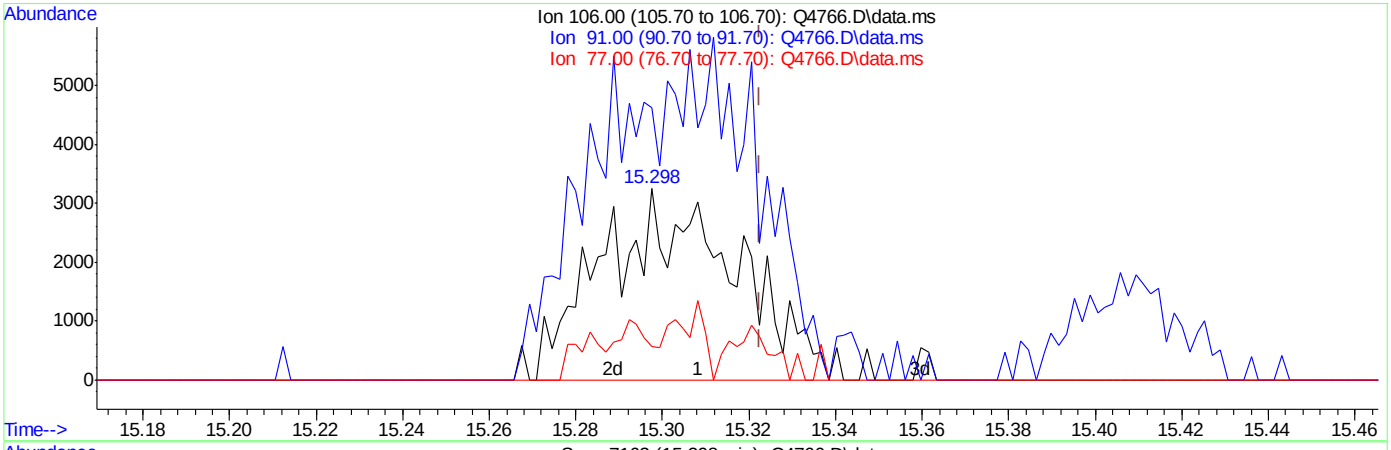
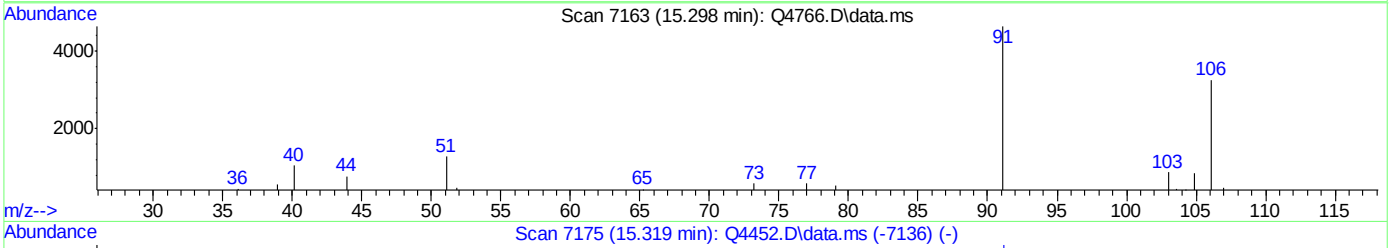
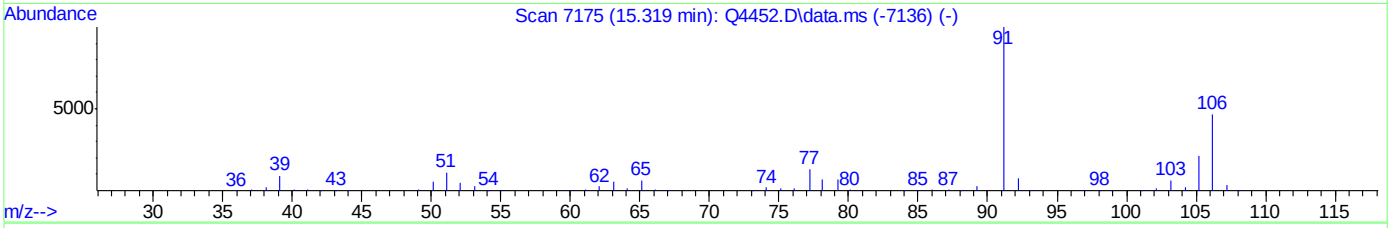
Quantitation Report (Qedit)

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

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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

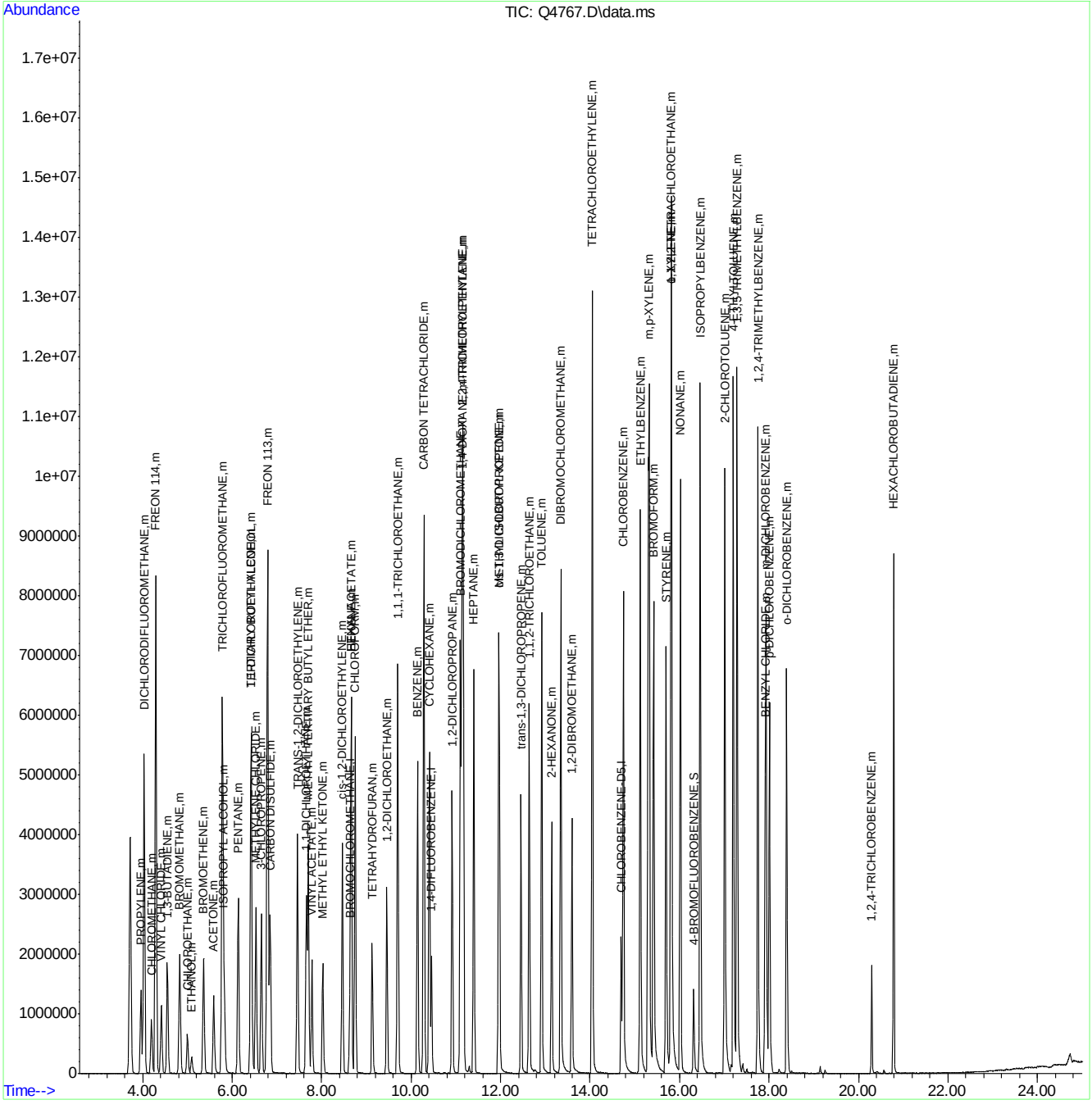
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.970	43	3095055	48.94 PPBV	89
45) cis-1,3-DICHLOROPROPENE	11.956	75	2291157	50.19 PPBV #	80
46) TOLUENE	12.918	92	2919160	40.00 PPBV	98
47) trans-1,3-DICHLOROPROPENE	12.454	75	2172537	51.36 PPBV	92
48) 1,1,2-TRICHLOROETHANE	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 M67847

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

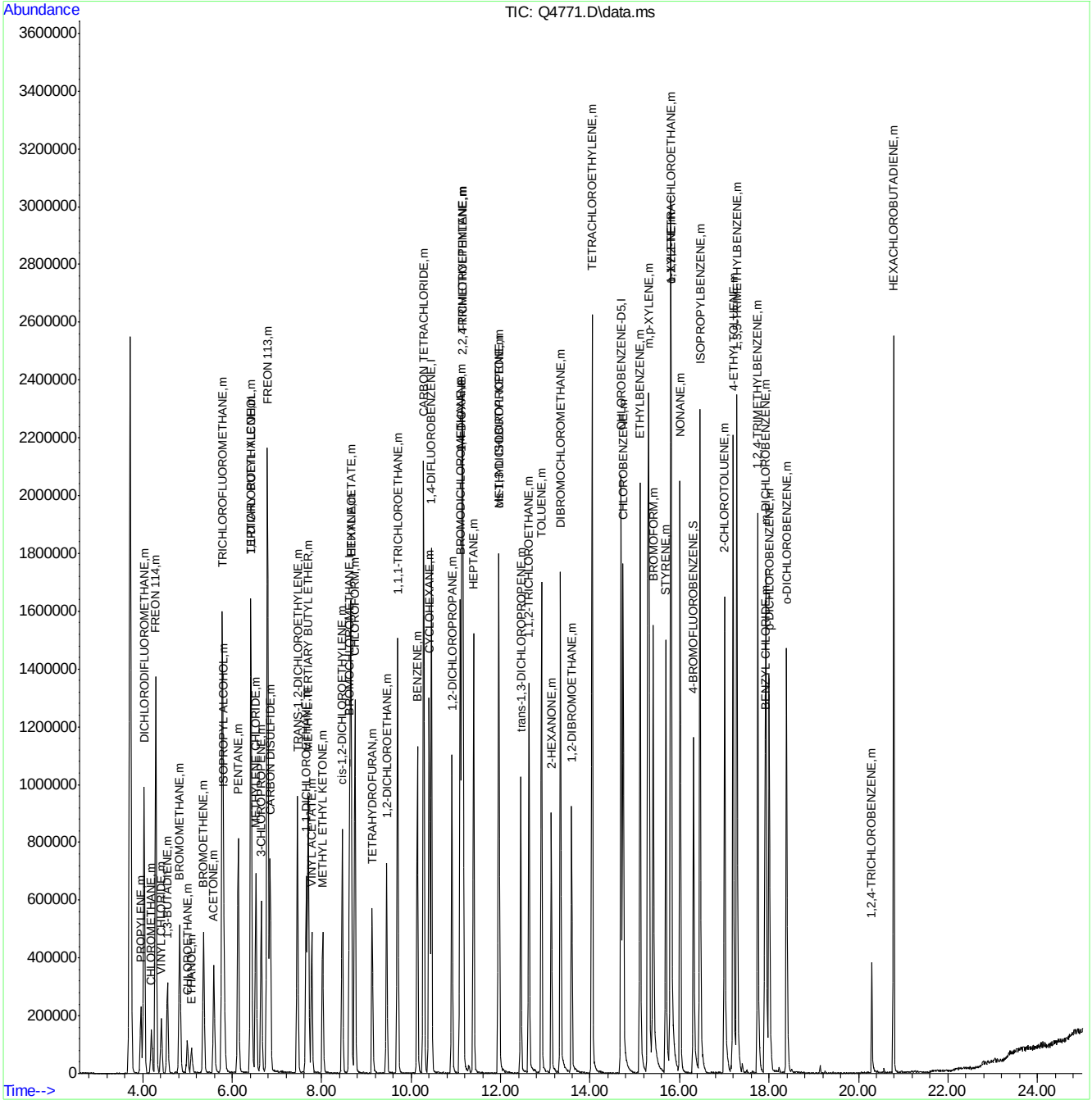
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.965	43	706149	13.98 PPBV	90
45) cis-1,3-DICHLOROPROPENE	11.950	75	489025	13.11 PPBV #	84
46) TOLUENE	12.912	92	619199	11.39 PPBV	96
47) trans-1,3-DICHLOROPROPENE	12.449	75	438736	13.45 PPBV	96
48) 1,1,2-TRICHLOROETHANE	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

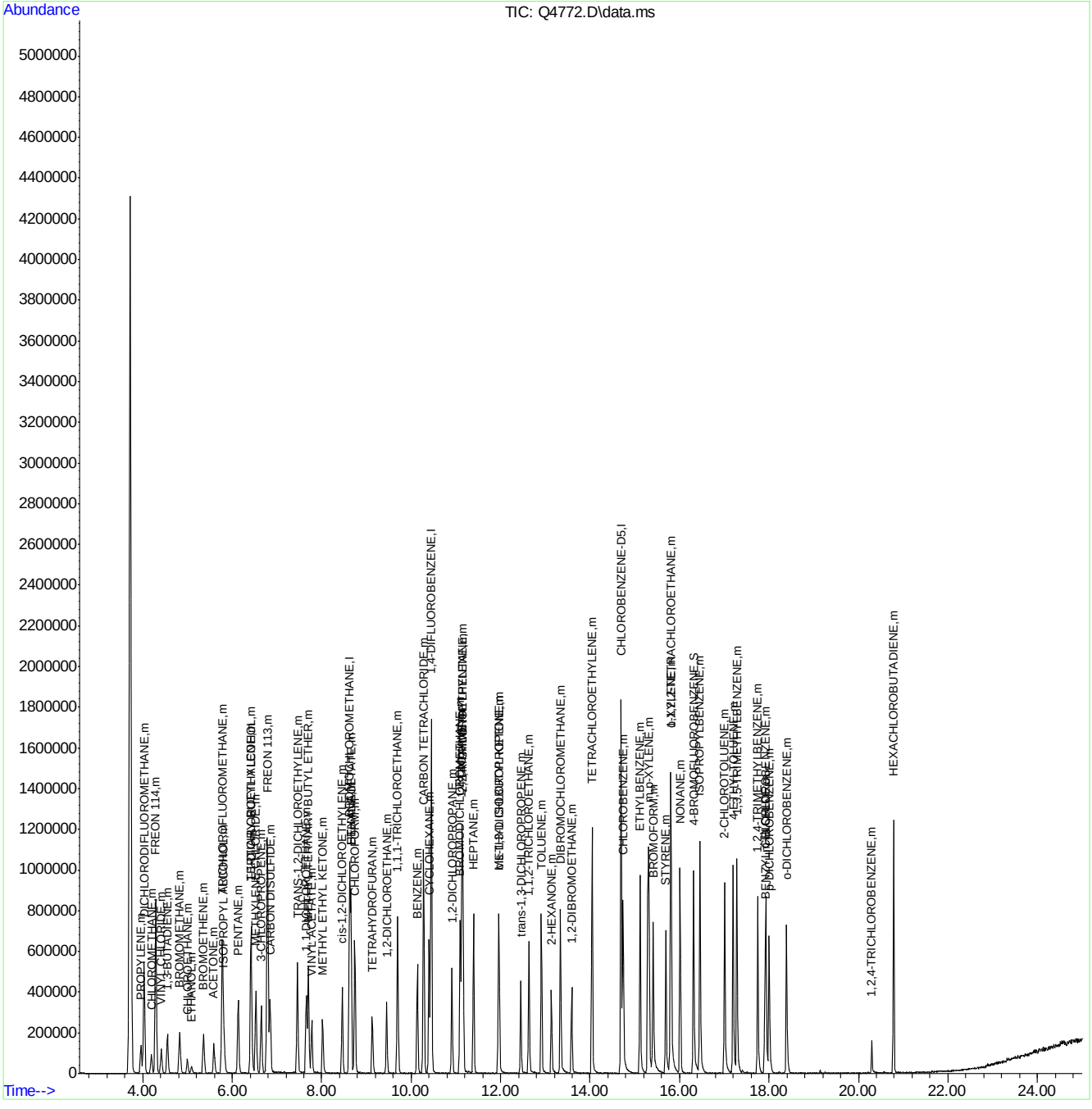
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.968	43	342580	6.54	PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.949	75	214552	5.64	PPBV	97
46) TOLUENE	12.911	92	283419	5.28	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.453	75	196273	5.86	PPBV	99
48) 1,1,2-TRICHLOROETHANE	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



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

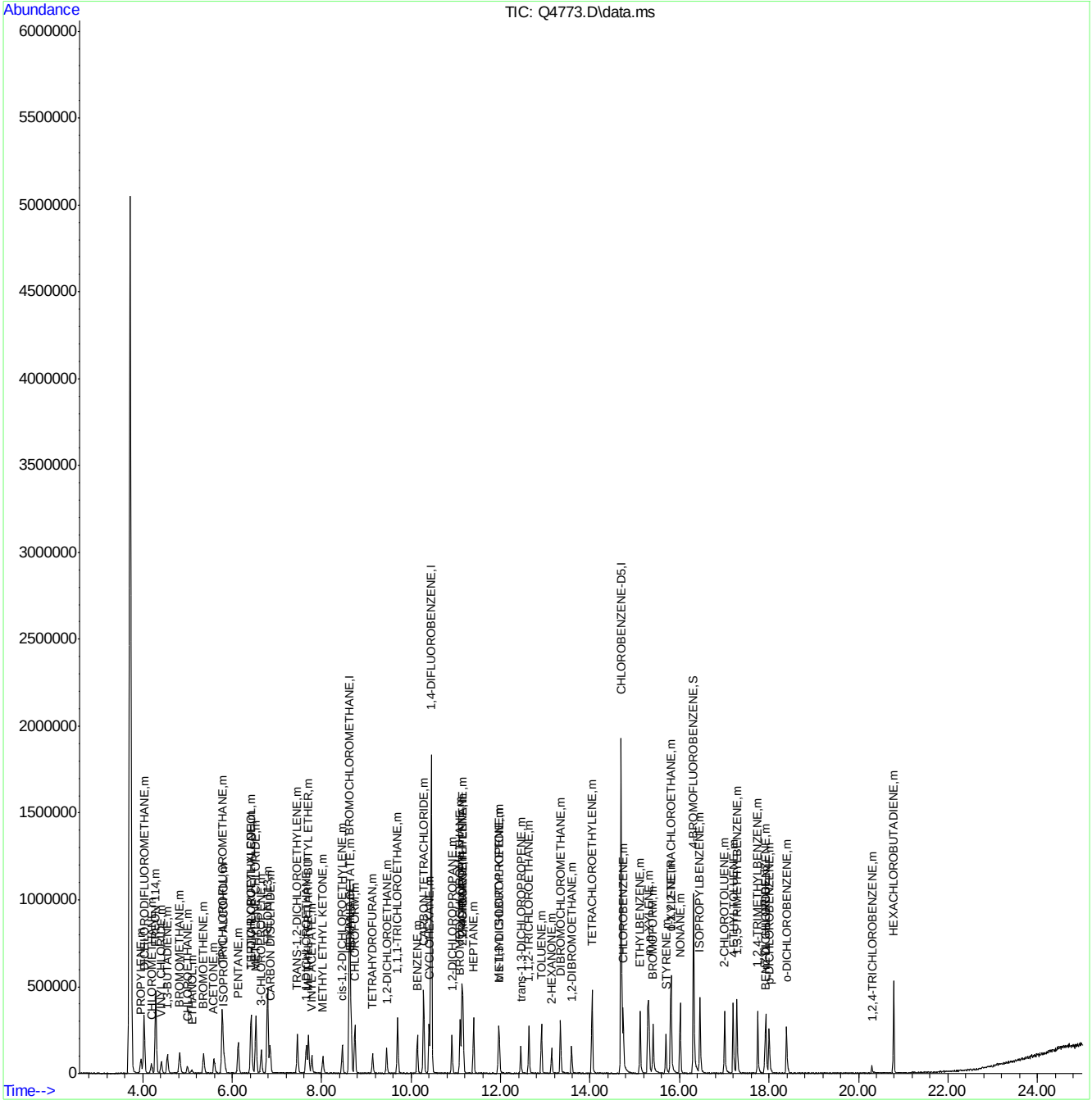
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.972	43	128762	2.26	PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.952	75	77291	1.92	PPBV	94
46) TOLUENE	12.912	92	96133	1.71	PPBV	96
47) trans-1,3-DICHLOROPROPENE	12.449	75	70385	1.97	PPBV	98
48) 1,1,2-TRICHLOROETHANE	12.632	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

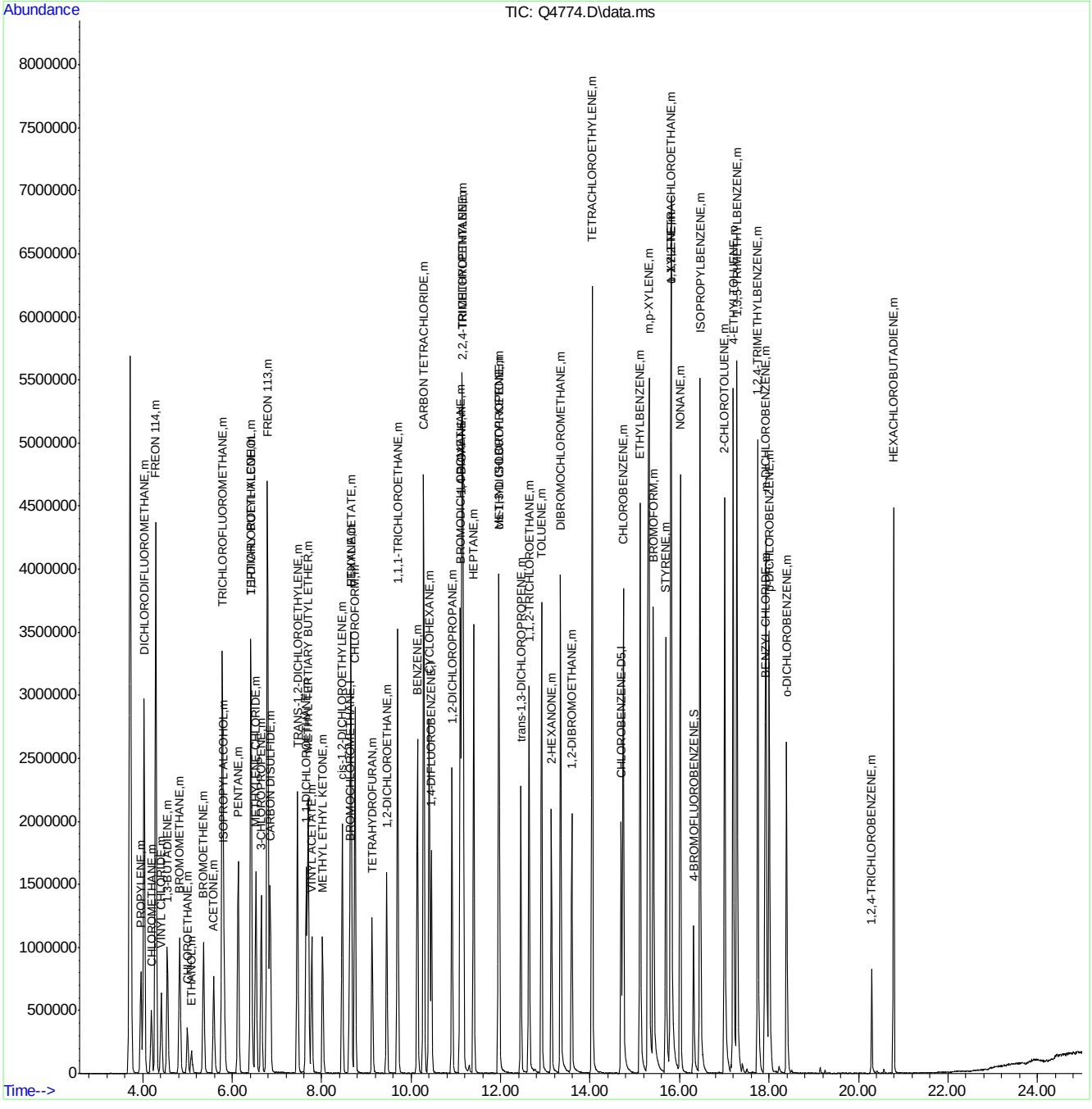
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.966	43	1642457	28.38	PPBV	100
45) cis-1,3-DICHLOROPROPENE	11.952	75	1106520	27.75	PPBV	97
46) TOLUENE	12.912	92	1431526	26.14	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.451	75	1039903	23.05	PPBV	96
48) 1,1,2-TRICHLOROETHANE	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 M67847

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

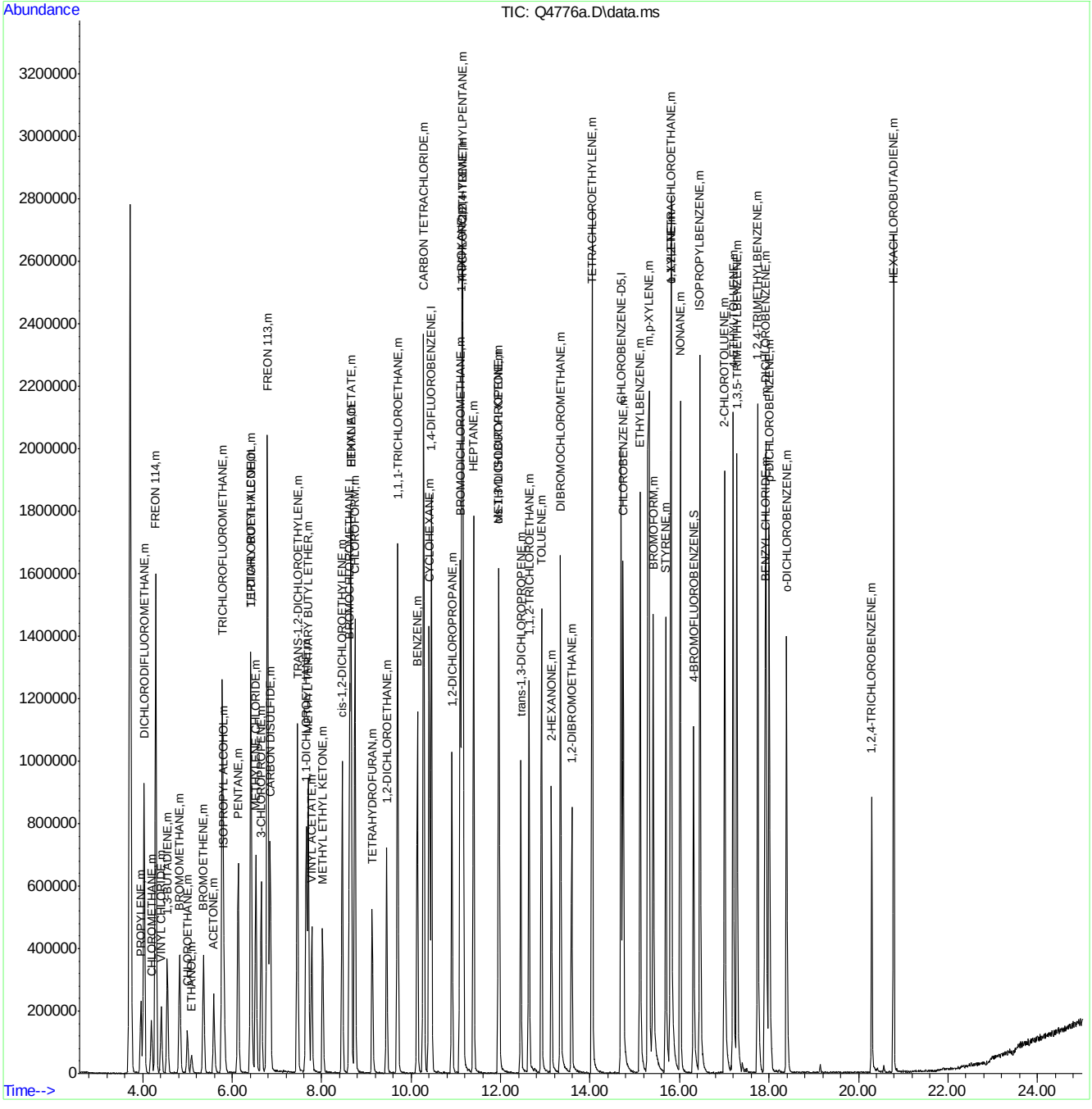
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.965	43	686402	8.51	PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.952	75	446524	10.65	PPBV	99
46) TOLUENE	12.912	92	556592	9.65	PPBV	100
47) trans-1,3-DICHLOROPROPENE	12.451	75	427839	8.77	PPBV	99
48) 1,1,2-TRICHLOROETHANE	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 M67847

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

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64) 2-CHLOROTOLUENE	17.009	91	1087327	9.34	PPBV	100
65) 4-ETHYLTOLUENE	17.195	105	1320570	8.61	PPBV	100
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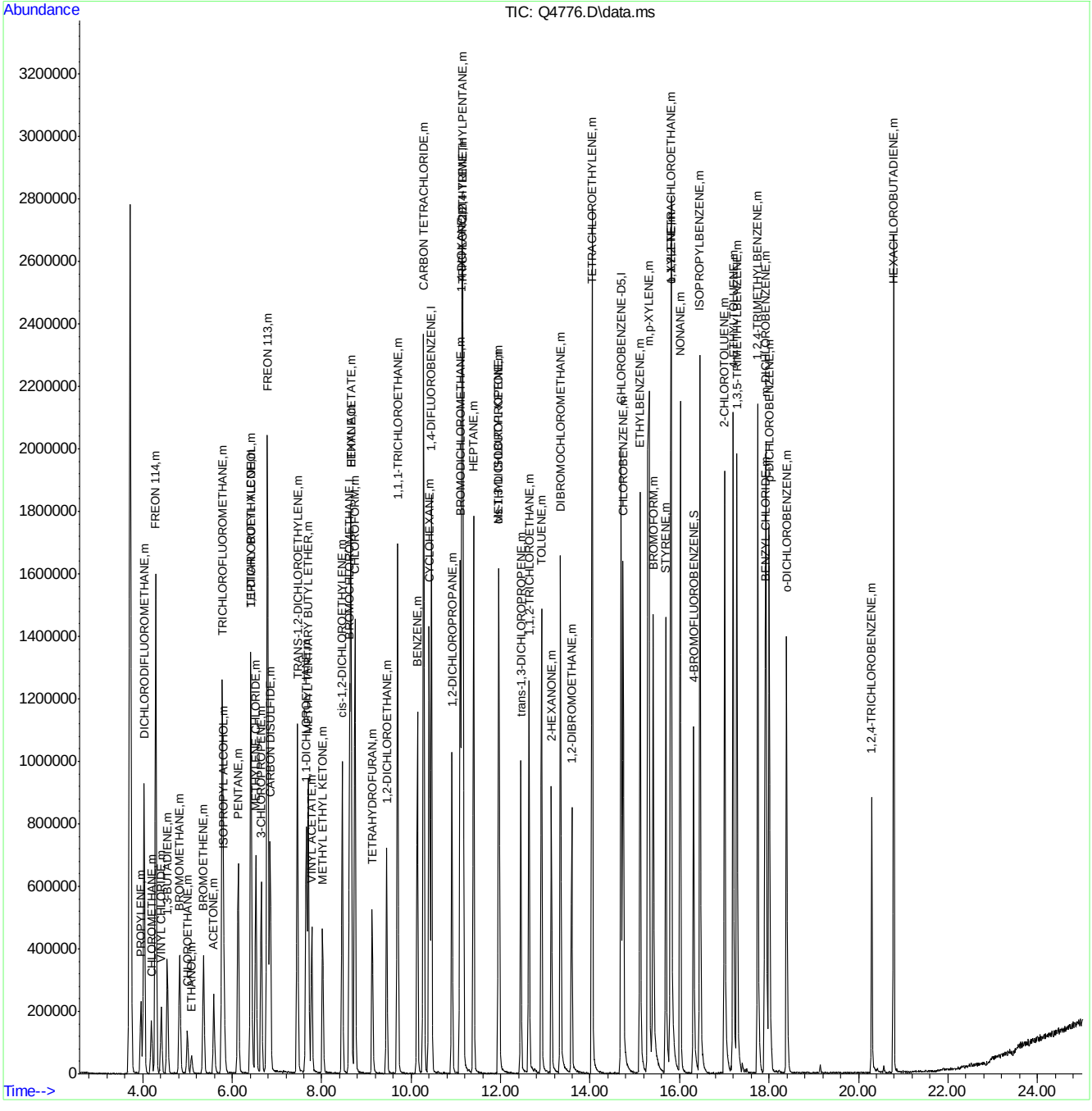
67) 1,2,4-TRIMETHYLBENZENE	17.747	105	1168887	9.52	PPBV	100
68) m-DICHLOROBENZENE	17.930	146	700879	10.15	PPBV	99
69) BENZYL CHLORIDE	17.908	91	789300	10.31	PPBV	99
70) p-DICHLOROBENZENE	18.004	146	690363	10.69	PPBV	100
71) o-DICHLOROBENZENE	18.389	146	537667	10.66	PPBV	99
72) HEXACHLOROBUTADIENE	20.787	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



ACCUTEST Laboratories M67847

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		

Standard Lot #	
Calib STD 1	MSA371
Calib STD 2	MSA372
ICV	MSA366
Inter/Surr STD	MSA218
BS/BSD	MSA366

File ID	
Tune File 1	J10860
Tune File 2	J10868A
Initial Cal.	7/5/07
ID FILE	J070507T.M
Instrument ID	J
ICAL:	J10868
Column Type:	RTX-1
Sequence Verified By:	DT 7/6/07

Date:	7/5/2007
Analyst:	DANAT
Batch ID:	msj562
Matrix:	AIR
Approved By:	DOUGY
Date Approved:	7/11/2007 9:46:28 AM

Data File	Sample ID	Bot #	Work Group #	Test	ALS #	Sample Vol (mls)	Diln Factor	Flow controller ID	Comment
J10860	IC562-0.5	m210	MSA372	VTO15	1		1		
J10861	IC562-0.2	m210	MSA372	VTO15	1		1		
J10862	IC562-2	m210	MSA372	VTO15	2		1		Re-run , hexachlorbutadiene fails high.
J10863	IC562-40	m211	MSA371	VTO15	2		1		
J10864	IC562-20	m211	MSA371	VTO15	2		1		
J10865	ICC562-10	m211	MSA371	VTO15	2		1		
J10866	IC562-5	m211	MSA371	VTO15	2		1		
J10867	IC562-2	m211	MSA371	VTO15	2		1		
J10868	ICV562-10	m080	MSA366	VTO15	3		1		
J10868a	CC562-10	m080	MSA366	VTO15	3		1		
J10868b	BS	m080	M3A366	VTO15	3		1		
J10869	BLANK	m208		VTO15	4		1		
J10870	MB	m208		VTO15	4		1		
J10871	SCC	m217		VTO15	5		1		
J10872	SCC	m218		VTO15	6		1		
J10873	SCC	m018		VTO15	7		1		
J10874	SCC	m125		VTO15	8		1		
J10875	SCC	m041		VTO15	9		1		
J10876	SCC	m048		VTO15	10		1		
J10877	SCC	m219		VTO15	11		1		
J10878	SCC	m039		VTO15	12		1		
J10879	SCC	m095		VTO15	13		1		
J10880	SCC	m031		VTO15	14		1		
J10881	SCC	m222		VTO15	15		1		
J10882	SCC	m147		VTO15	16		1		
J10883	SCC	m220		VTO15	1		1		
J10884	SCC	m145		VTO15	2		1		Re-run , possible carryover from previous can on postion 2.
J10885	SCC	m158		VTO15	3		1		
J10886	SCC	m145		VTO15	2		1		
J10887	SCC	m202		VTO15	1		1		
J10888	M65994-1	m025	MS13894	VTO15STD	4		20		Re-run @ 5x , too dilute.
J10889	M65994-2	m124	MS13894	VTO15STD	5		20		Re-run @ 1x , too dilute.
J10890	M65994-1	m025	MS13894	VTO15STD	4		5		Over calibration , combine with previous run.

J10891	M65994-2	m124	MS13894	VTO15STD	5		1			
J10892	M65994-1DUP	m025	MS13894	VTO15STD	4		5			

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 ppb
MSA419	TO15 Std	40 ppbv
MSA421	TO15 Std	2 ppbv
MSA418	TO15 LCS	40 ppbv
MSA423	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	MSA421	1	100		
Q4766	IC246-0.2	M051		MSA421	1	40		
Q4767	IC246-40	M010		MSA419	2	400		
Q4768	IC246-20	M010		MSA419	2	200		RR Int ↓
Q4769	ICC246-10	M010		MSA419	2	~~200~~ 400		RR Int ↓
Q4770	~~blank~~ ~~IC246-5~~	~~M055~~ ~~M010~~		MSA419	~~2~~ 1	~~50~~ 400		
Q4771	~~ICC246-10~~ ~~IC246-2~~	M010		MSA419	2	~~20~~ 100		
Q4772	IC246-5	M010		MSA419	2	50		
Q4773	IC246-2	M010		MSA419	2	20		
Q4774	IC246-20	M010		MSA419	2	200		
Q4775	ICV246-10	M002		MSA418	3	100		compounds # 5,8,67,68,69,70,73 fail low, Remake Std & RR
Q4776	ICV246-10	M112		MSA423	3	100		Compounds # 2,3,5,8,10,11,12,16 fail low, Good for GEI Short list
Q4776A	~~CC246-10~~ ~~ICV246-10~~	M112		MSA423	3	100		
Q4776B	BS	M112		MSA423	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	

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