New England ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

09/06/07

Technical Report for

GEI Consultants, Inc.

GEI Tufts Street Somerville MA

045162

Accutest Job Number: M67337

Sampling Date: 08/28/07

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: M67337

GEI Tufts Street Somerville MA
Project No: 045162

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
M67337-1	08/28/07	14:02	RS	08/29/07	AIR	Air	045162-13KNOW-B
M67337-2	08/28/07	14:35	RS	08/29/07	AIR	Air	045162-13KNOW-1

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	GEI Consultants, Inc.	**Job No**	M67337
Site:	GEI Tufts Street Somerville MA	**Report Date**	9/6/2007 11:14:04 AM

2 Sample(s) were collected on 08/28/2007 and were received at Accutest on 08/29/2007. These Samples received an Accutest job number of M67337. 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:**	MSQ235

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) M67405-1DUP were used as the QC samples indicated.

The Accutest Laboratories of New England certifies that all analysis were performed within method specification. It is further recommended that this report to be used in its entirety.The Accutest Laboratories of NE, Laboratory Director or assignee as verified by the signature on the cover page has authorized the release of this report(M67337).

Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Client Sample ID:	045162-13KNOW-B		
Lab Sample ID:	M67337-1	**Date Sampled:**	08/28/07
Matrix:	AIR - Air Summa ID: M031	**Date Received:**	08/29/07
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	Q4493.D	1	09/04/07	DFT	n/a	n/a	MSQ235
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	0.11	0.20	ppbv	J	0.69	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	0.77	0.20	ppbv		3.1	0.81	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.89	0.20	ppbv		6.0	1.4	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.20	ppbv		ND	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	ppbv		ND	0.51	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	82%		57-139%

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

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	045162-13KNOW-1		
Lab Sample ID:	M67337-2	**Date Sampled:**	08/28/07
Matrix:	AIR - Air Summa ID: M165	**Date Received:**	08/29/07
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	Q4494.D	1	09/04/07	DFT	n/a	n/a	MSQ235
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	0.096	0.20	ppbv	J	0.60	1.3	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.67	0.20	ppbv		4.5	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	84%		57-139%

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

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

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

ACCUTEST Laboratories

CHAIN OF CUSTODY

Air Sampling Field Data Sheet

FED-EX Tracking #: | Bottle Order Control #: | Lab Quote #: | Lab Job #: M67337

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):

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

Weather Parameters

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

Requested Analysis

Lab Sample #	Field ID / Point of Collection	Air Type: Indoor(I) Soil Vap(SV) Ambient(A)	Sampling Equipment Info: Canister Serial #	Canister Size 6L or 1L	Flow Controller Serial #	Start Sampling Information: Date	Time (24hr clock)	Canister Pressure (" Hg)	Interior Temp (F)	Sampler Init.	Stop Sampling Information: Date	Time (24hr clock)	Canister Pressure (" Hg)	Interior Temp (F)	Sampler Init.	Standard TO-15 Reporting List	MA DEP APH
-1	045162-13KNOW-B	I	M031	6L	MC020	8/28/07	1019	28.5	75	RS	8/28/07	1402	6	83	RS		
-2	045162-13KNOW-1	I	M165	6L	MFC040	8/28/07	1037	30.0	78	RS	8/28/07	1435	6	83	RS		

Turnaround Time / Business days

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

Approved By:
Date:

Data Deliverable Information

Comm A
Comm B
Full T1
Other:

Comments / Remarks

Please 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 Tony Sugrue	8/28/07 1501	1 GEI Sample Storage.	2 Kevin Dad	8/29/07 11:00	2 Willie Akili
Relinquished By: 3 Willie Akili	Date Time: 8/29/07 1250 pm	Received By: 3 Willie Akili	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by: 5	Date Time:	Received By: 5	Custody Seal #		

SM013-01 (07/07/06)

4.1

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M67337: Chain of Custody
Page 1 of 1

Summa Canister and Flow Controller Log

Job Number: M67337
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA
Received: 08/29/07

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
M031	6	29.4	07/12/07	DFT	CP442	J10883.D	M67337-1	09/04/07	DFT	6.6			1
M165	6	29.4	07/12/07	DFT	CP440	J10843A.D	M67337-2	09/04/07	DFT	5.4			1

FLOW CONTROLLERS

Shipping					Receiving		
Flow Crtl ID	Date Out	By	cc/ min	Time hrs.	Date In	By	cc/ min
MC020	08/21/07	DFT	20	4	09/04/07	DFT	20.8
MC040	08/21/07	DFT	20	4	09/04/07	DFT	20.7

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: M67337

GEI Tufts Street Somerville MA
Project No: 045162

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
M67337-1	Collected: 28-AUG-07 14:02 By: RS		Received: 29-AUG-07 By: RS			
045162-13KNOW-B						
M67337-1	TO-15	04-SEP-07 21:01	DFT			VTO15STD
M67337-2	Collected: 28-AUG-07 14:35 By: RS		Received: 29-AUG-07 By: RS			
045162-13KNOW-1						
M67337-2	TO-15	04-SEP-07 21:42	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: M67337
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSQ235-MB	Q4490.D	1	09/04/07	DFT	n/a	n/a	MSQ235

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

M67337-1, M67337-2

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	70%	57-139%

Method Blank Summary

Job Number: M67337
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: M67337
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: M67337
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSQ235-BS	Q4488B.D	1	09/04/07	DFT	n/a	n/a	MSQ235

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

M67337-1, M67337-2

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	Limits
75-00-3	Chloroethane	10	9.7	97	70-130
56-23-5	Carbon tetrachloride	10	10.6	106	70-130
75-34-3	1,1-Dichloroethane	10	9.5	95	70-130
75-35-4	1,1-Dichloroethylene	10	10.1	101	70-130
107-06-2	1,2-Dichloroethane	10	9.6	96	70-130
156-60-5	trans-1,2-Dichloroethylene	10	10.4	104	70-130
156-59-2	cis-1,2-Dichloroethylene	10	9.4	94	70-130
71-55-6	1,1,1-Trichloroethane	10	10.2	102	70-130
79-34-5	1,1,2,2-Tetrachloroethane	10	10.6	106	70-130
79-00-5	1,1,2-Trichloroethane	10	9.9	99	70-130
127-18-4	Tetrachloroethylene	10	10.9	109	70-130
79-01-6	Trichloroethylene	10	11.7	117	70-130
75-01-4	Vinyl chloride	10	8.9	89	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	110%	57-139%

Blank Spike Summary

Job Number: M67337
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: M67337
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: M67337
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
M67405-1DUP	Q4492.D	1	09/04/07	DFT	n/a	n/a	MSQ235
M67405-1	Q4491.D	1	09/04/07	DFT	n/a	n/a	MSQ235

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

M67337-1, M67337-2

CAS No.	Compound	M67405-1 ppbv	Q	DUP ppbv	Q	RPD	Limits
75-00-3	Chloroethane	ND		ND		nc	25
56-23-5	Carbon tetrachloride	0.35		0.38		8	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	1.1		1.2		9	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	22.9		24.6		7	25
79-01-6	Trichloroethylene	ND		ND		nc	25
75-01-4	Vinyl chloride	ND		ND		nc	25

CAS No.	Surrogate Recoveries	DUP	M67405-1	Limits
460-00-4	4-Bromofluorobenzene	66%	67%	57-139%

Summa Cleaning Certification

Job Number: M67337
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	J10850.D	1	07/03/07	DFT	n/a	n/a	MSJ561

The QC reported here (Summa M165) applies to the following samples: **Method:** TO-15

Batch CP440 cleaned 06/28/07: M67337-2(M165)

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	82%	57-139%

Summa Cleaning Certification

Job Number: M67337
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	J10880.D	1	07/06/07	DFT	n/a	n/a	MSJ562

The QC reported here (Summa M031) applies to the following samples: **Method:** TO-15

Batch CP442 cleaned 07/03/07: M67337-1(M031)

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%

Instrument Performance Check (BFB)

Job Number: M67337
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: M67337
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 M67337)
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: M67337
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: M67337
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 M67337)
M65994-1	J10890.D	07/06/07	14:05	20:09	(used for QC only; not part of job M67337)
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: M67337
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ235-BFB
Lab File ID: Q4480.D
Instrument ID: GCMSQ
Injection Date: 09/04/07
Injection Time: 11:35

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	47368	21.2		Pass
75	30.0 - 66.0% of mass 95	110152	49.2		Pass
95	Base peak, 100% relative abundance	223722	100.0		Pass
96	5.0 - 9.0% of mass 95	14822	6.6		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 120.0% of mass 95	177258	79.2		Pass
175	4.0 - 9.0% of mass 174	12212	5.5	(6.9) [a]	Pass
176	93.0 - 101.0% of mass 174	171797	76.8	(96.9) [a]	Pass
177	5.0 - 9.0% of mass 176	10033	4.5	(5.8) [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
MSQ235-IC235	Q4480.D	09/04/07	11:35	00:00	Initial cal 0.5
MSQ235-IC235	Q4481.D	09/04/07	12:19	00:44	Initial cal 0.2
MSQ235-IC235	Q4482.D	09/04/07	13:01	01:26	Initial cal 40
MSQ235-IC235	Q4483.D	09/04/07	13:44	02:09	Initial cal 20
MSQ235-ICC235	Q4484.D	09/04/07	14:27	02:52	Initial cal 10
MSQ235-IC235	Q4485.D	09/04/07	15:10	03:35	Initial cal 5
MSQ235-IC235	Q4486.D	09/04/07	15:54	04:19	Initial cal 2
MSQ235-ICV235	Q4488.D	09/04/07	17:27	05:52	Initial cal verification 10

Instrument Performance Check (BFB)

Job Number: M67337
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ235-BFB
Lab File ID: Q4488A.D
Instrument ID: GCMSQ
Injection Date: 09/04/07
Injection Time: 17:27

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	43618	19.6		Pass
75	30.0 - 66.0% of mass 95	107478	48.2		Pass
95	Base peak, 100% relative abundance	222976	100.0		Pass
96	5.0 - 9.0% of mass 95	14640	6.6		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 120.0% of mass 95	185856	83.4		Pass
175	4.0 - 9.0% of mass 174	12993	5.8	(7.0) [a]	Pass
176	93.0 - 101.0% of mass 174	181600	81.4	(97.7) [a]	Pass
177	5.0 - 9.0% of mass 176	12169	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
MSQ235-CC235	Q4488A.D	09/04/07	17:27	00:00	Continuing cal 10
MSQ235-BS	Q4488B.D	09/04/07	17:27	00:00	Blank Spike
MSQ235-MB	Q4490.D	09/04/07	18:54	01:27	Method Blank
M67405-1	Q4491.D	09/04/07	19:36	02:09	(used for QC only; not part of job M67337)
M67405-1DUP	Q4492.D	09/04/07	20:19	02:52	Duplicate
M67337-1	Q4493.D	09/04/07	21:01	03:34	045162-13KNOW-B
M67337-2	Q4494.D	09/04/07	21:42	04:15	045162-13KNOW-1

Volatile Internal Standard Area Summary

Job Number: M67337
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: M67337
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: M67337
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Check Std:	MSQ235-CC235	**Injection Date:**	09/04/07
Lab File ID:	Q4488A.D	**Injection Time:**	17:27
Instrument ID:	GCMSQ	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	289743	8.63	1342350	10.45	1072731	14.70
Upper Limit [a]	405640	8.96	1879290	10.78	1501823	15.03
Lower Limit [b]	173846	8.30	805410	10.12	643639	14.37

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
MSQ235-BS	289743	8.63	1342350	10.45	1072731	14.70
MSQ235-MB	260688	8.63	1140458	10.45	827386	14.70
M67405-1	247687	8.64	1052473	10.46	767464	14.70
M67405-1DUP	233035	8.65	993246	10.47	720057	14.70
M67337-1	275678	8.63	1221711	10.45	969142	14.70
M67337-2	305873	8.63	1386592	10.45	1130748	14.70

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

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

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67337
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: M67337
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: M67337
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: M67337
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: M67337
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: M67337
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: M67337
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: M67337
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: M67337
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: M67337
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: M67337
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: M67337
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: M67337
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: M67337
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: M67337
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: M67337
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: M67337
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: M67337
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: M67337
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: M67337
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: M67337
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: M67337
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: M67337
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: M67337
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: M67337
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: M67337
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: M67337
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: M67337
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: M67337
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ235-IC235	Q4480.D	09/04/07 11:35	DFT	0.5	GCMSQ	TO-15	Reporting this level
MSQ235-IC235	Q4481.D	09/04/07 12:19	DFT	0.2	GCMSQ	TO-15	
MSQ235-IC235	Q4482.D	09/04/07 13:01	DFT	40	GCMSQ	TO-15	
MSQ235-IC235	Q4483.D	09/04/07 13:44	DFT	20	GCMSQ	TO-15	
MSQ235-ICC235	Q4484.D	09/04/07 14:27	DFT	10	GCMSQ	TO-15	
MSQ235-IC235	Q4485.D	09/04/07 15:10	DFT	5	GCMSQ	TO-15	
MSQ235-IC235	Q4486.D	09/04/07 15:54	DFT	2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.61	8.63	0.650	ok	0.649	0.589-0.709
1,3-Butadiene	4.56	8.63	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	14.70	1.048	ok	1.048	0.988-1.108
Bromomethane	4.83	8.63	0.560	ok	0.560	0.500-0.620
Bromoethene	5.36	8.63	0.621	ok	0.622	0.562-0.682
Benzyl Chloride	17.91	14.70	1.218	ok	1.218	1.158-1.278
Carbon disulfide	6.85	8.63	0.794	ok	0.794	0.734-0.854
Chlorobenzene	14.75	14.70	1.003	ok	1.003	0.943-1.063
Chloroethane	5.00	8.63	0.579	ok	0.580	0.520-0.640
Chloroform	8.75	8.63	1.014	ok	1.014	0.954-1.074
Chloromethane	4.20	8.63	0.487	ok	0.487	0.427-0.547
3-Chloropropene	6.65	8.63	0.771	ok	0.771	0.711-0.831
2-Chlorotoluene	17.01	14.70	1.157	ok	1.157	1.097-1.217
Carbon tetrachloride	10.29	8.63	1.192	ok	1.192	1.132-1.252
Cyclohexane	10.40	10.45	0.995	ok	0.995	0.935-1.055
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	0.744	0.684-0.804
1,2-Dibromoethane	13.60	14.70	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	10.92	10.45	1.045	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	8.63	0.467	ok	0.468	0.408-0.528
Dibromochloromethane	13.34	14.70	0.907	ok	0.908	0.848-0.968
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	11.96	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	18.40	14.70	1.252	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	5.11	8.63	0.592	ok	0.591	0.531-0.651
Ethylbenzene	15.12	14.70	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.67	8.63	1.005	ok	1.004	0.944-1.064
4-Ethyltoluene	17.20	14.70	1.170	ok	1.170	1.110-1.230
Freon 113	6.79	8.63	0.787	ok	0.787	0.727-0.847
Freon 114	4.29	8.63	0.497	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	1.414	1.354-1.474
Hexane	8.66	8.63	1.003	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67337
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ235-IC235	Q4480.D	09/04/07 11:35	DFT	0.5	GCMSQ	TO-15	Reporting this level
MSQ235-IC235	Q4481.D	09/04/07 12:19	DFT	0.2	GCMSQ	TO-15	
MSQ235-IC235	Q4482.D	09/04/07 13:01	DFT	40	GCMSQ	TO-15	
MSQ235-IC235	Q4483.D	09/04/07 13:44	DFT	20	GCMSQ	TO-15	
MSQ235-ICC235	Q4484.D	09/04/07 14:27	DFT	10	GCMSQ	TO-15	
MSQ235-IC235	Q4485.D	09/04/07 15:10	DFT	5	GCMSQ	TO-15	
MSQ235-IC235	Q4486.D	09/04/07 15:54	DFT	2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.15	14.70	0.895	ok	0.894	0.834-0.954
Isopropylbenzene	16.46	14.70	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.84	8.63	0.677	ok	0.676	0.616-0.736
Methylene chloride	6.54	8.63	0.758	ok	0.758	0.698-0.818
Methyl ethyl ketone	8.04	8.63	0.932	ok	0.931	0.871-0.991
Methyl Isobutyl Ketone	11.98	10.45	1.146	ok	1.145	1.085-1.205
Methyl Tert Butyl Ether	7.71	8.63	0.893	ok	0.893	0.833-0.953
Nonane	16.02	14.70	1.090	ok	1.090	1.030-1.150
Pentane	6.15	8.63	0.713	ok	0.712	0.652-0.772
Propylene	3.97	8.63	0.460	ok	0.460	0.400-0.520
Styrene	15.70	14.70	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.70	8.63	1.124	ok	1.124	1.064-1.184
1,1,2,2-Tetrachloroethane	15.81	14.70	1.076	ok	1.075	1.015-1.135
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	1.381	1.321-1.441
1,2,4-Trimethylbenzene	17.75	14.70	1.207	ok	1.207	1.147-1.267
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	1.067	1.007-1.127
Tertiary Butyl Alcohol	6.45	8.63	0.747	ok	0.746	0.686-0.806
Tetrachloroethylene	14.04	14.70	0.955	ok	0.956	0.896-1.016
Tetrahydrofuran	9.16	8.63	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	1.065	1.005-1.125
Trichlorofluoromethane	5.79	8.63	0.671	ok	0.671	0.611-0.731
Vinyl chloride	4.41	8.63	0.511	ok	0.512	0.452-0.572
Vinyl Acetate	7.79	8.63	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	8.63	ok	8.63	8.30-8.96	326729	ok	293578	176147-411009
1,4-Difluorobenzene	10.45	ok	10.46	10.13-10.79	1565031	ok	1391932	835159-1948705
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	1184895	ok	1085625	651375-1519875

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67337
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ235-IC235	Q4480.D	09/04/07 11:35	DFT	0.5	GCMSQ	TO-15	
MSQ235-IC235	Q4481.D	09/04/07 12:19	DFT	0.2	GCMSQ	TO-15	Reporting this level
MSQ235-IC235	Q4482.D	09/04/07 13:01	DFT	40	GCMSQ	TO-15	
MSQ235-IC235	Q4483.D	09/04/07 13:44	DFT	20	GCMSQ	TO-15	
MSQ235-ICC235	Q4484.D	09/04/07 14:27	DFT	10	GCMSQ	TO-15	
MSQ235-IC235	Q4485.D	09/04/07 15:10	DFT	5	GCMSQ	TO-15	
MSQ235-IC235	Q4486.D	09/04/07 15:54	DFT	2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.61	8.63	0.650	ok	0.649	0.589-0.709
1,3-Butadiene	4.56	8.63	0.528	ok	0.528	0.468-0.588
Benzene	10.14	10.46	0.969	ok	0.970	0.910-1.030
Bromodichloromethane	11.10	10.46	1.061	ok	1.062	1.002-1.122
Bromoform	15.41	14.70	1.048	ok	1.048	0.988-1.108
Bromomethane	4.83	8.63	0.560	ok	0.560	0.500-0.620
Bromoethene	5.37	8.63	0.622	ok	0.622	0.562-0.682
Benzyl Chloride	17.92	14.70	1.219	ok	1.218	1.158-1.278
Carbon disulfide	6.85	8.63	0.794	ok	0.794	0.734-0.854
Chlorobenzene	14.74	14.70	1.003	ok	1.003	0.943-1.063
Chloroethane	5.00	8.63	0.579	ok	0.580	0.520-0.640
Chloroform	8.75	8.63	1.014	ok	1.014	0.954-1.074
Chloromethane	4.21	8.63	0.488	ok	0.487	0.427-0.547
3-Chloropropene	6.66	8.63	0.772	ok	0.771	0.711-0.831
2-Chlorotoluene	17.01	14.70	1.157	ok	1.157	1.097-1.217
Carbon tetrachloride	10.28	8.63	1.191	ok	1.192	1.132-1.252
Cyclohexane	10.41	10.46	0.995	ok	0.995	0.935-1.055
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	0.744	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	8.63	1.096	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.92	10.46	1.044	ok	1.044	0.984-1.104
1,4-Dioxane	11.16	10.46	1.067	ok	1.065	1.005-1.125
Dichlorodifluoromethane	4.03	8.63	0.467	ok	0.468	0.408-0.528
Dibromochloromethane	13.34	14.70	0.907	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.47	8.63	0.866	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	11.96	10.46	1.143	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.94	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	10.46	1.190	ok	1.191	1.131-1.251
Ethanol	5.11	8.63	0.592	ok	0.591	0.531-0.651
Ethylbenzene	15.12	14.70	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.67	8.63	1.005	ok	1.004	0.944-1.064
4-Ethyltoluene	17.20	14.70	1.170	ok	1.170	1.110-1.230
Freon 113	6.80	8.63	0.788	ok	0.787	0.727-0.847
Freon 114	4.30	8.63	0.498	ok	0.498	0.438-0.558
Heptane	11.39	10.46	1.089	ok	1.090	1.030-1.150
Hexachlorobutadiene	20.79	14.70	1.414	ok	1.414	1.354-1.474
Hexane	8.66	8.63	1.003	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67337
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ235-IC235	Q4480.D	09/04/07 11:35	DFT	0.5	GCMSQ	TO-15	
MSQ235-IC235	Q4481.D	09/04/07 12:19	DFT	0.2	GCMSQ	TO-15	Reporting this level
MSQ235-IC235	Q4482.D	09/04/07 13:01	DFT	40	GCMSQ	TO-15	
MSQ235-IC235	Q4483.D	09/04/07 13:44	DFT	20	GCMSQ	TO-15	
MSQ235-ICC235	Q4484.D	09/04/07 14:27	DFT	10	GCMSQ	TO-15	
MSQ235-IC235	Q4485.D	09/04/07 15:10	DFT	5	GCMSQ	TO-15	
MSQ235-IC235	Q4486.D	09/04/07 15:54	DFT	2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.15	14.70	0.895	ok	0.894	0.834-0.954
Isopropylbenzene	16.46	14.70	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.85	8.63	0.678	ok	0.676	0.616-0.736
Methylene chloride	6.53	8.63	0.757	ok	0.758	0.698-0.818
Methyl ethyl ketone	8.05	8.63	0.933	ok	0.931	0.871-0.991
Methyl Isobutyl Ketone	11.99	10.46	1.146	ok	1.145	1.085-1.205
Methyl Tert Butyl Ether	7.72	8.63	0.895	ok	0.893	0.833-0.953
Nonane	16.02	14.70	1.090	ok	1.090	1.030-1.150
Pentane	6.14	8.63	0.711	ok	0.712	0.652-0.772
Propylene	3.96	8.63	0.459	ok	0.460	0.400-0.520
Styrene	15.70	14.70	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.70	8.63	1.124	ok	1.124	1.064-1.184
1,1,2,2-Tetrachloroethane	15.81	14.70	1.076	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	12.64	10.46	1.208	ok	1.209	1.149-1.269
1,2,4-Trimethylbenzene	17.75	14.70	1.207	ok	1.207	1.147-1.267
1,3,5-Trimethylbenzene	17.29	14.70	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.16	10.46	1.067	ok	1.067	1.007-1.127
Tertiary Butyl Alcohol	6.46	8.63	0.749	ok	0.746	0.686-0.806
Tetrachloroethylene	14.05	14.70	0.956	ok	0.956	0.896-1.016
Tetrahydrofuran	9.16	8.63	1.061	ok	1.060	1.000-1.120
Toluene	12.91	10.46	1.234	ok	1.236	1.176-1.296
Trichloroethylene	11.14	10.46	1.065	ok	1.065	1.005-1.125
Trichlorofluoromethane	5.79	8.63	0.671	ok	0.671	0.611-0.731
Vinyl chloride	4.42	8.63	0.512	ok	0.512	0.452-0.572
Vinyl Acetate	7.79	8.63	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	15.81	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	8.63	ok	8.63	8.30-8.96	268261	ok	293578	176147-411009
1,4-Difluorobenzene	10.46	ok	10.46	10.13-10.79	1157431	ok	1391932	835159-1948705
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	863406	ok	1085625	651375-1519875

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67337
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ235-IC235	Q4480.D	09/04/07 11:35	DFT	0.5	GCMSQ	TO-15	
MSQ235-IC235	Q4481.D	09/04/07 12:19	DFT	0.2	GCMSQ	TO-15	
MSQ235-IC235	Q4482.D	09/04/07 13:01	DFT	40	GCMSQ	TO-15	Reporting this level
MSQ235-IC235	Q4483.D	09/04/07 13:44	DFT	20	GCMSQ	TO-15	
MSQ235-ICC235	Q4484.D	09/04/07 14:27	DFT	10	GCMSQ	TO-15	
MSQ235-IC235	Q4485.D	09/04/07 15:10	DFT	5	GCMSQ	TO-15	
MSQ235-IC235	Q4486.D	09/04/07 15:54	DFT	2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.59	8.63	0.648	ok	0.649	0.589-0.709
1,3-Butadiene	4.56	8.63	0.528	ok	0.528	0.468-0.588
Benzene	10.14	10.46	0.969	ok	0.970	0.910-1.030
Bromodichloromethane	11.10	10.46	1.061	ok	1.062	1.002-1.122
Bromoform	15.42	14.70	1.049	ok	1.048	0.988-1.108
Bromomethane	4.83	8.63	0.560	ok	0.560	0.500-0.620
Bromoethene	5.37	8.63	0.622	ok	0.622	0.562-0.682
Benzyl Chloride	17.91	14.70	1.218	ok	1.218	1.158-1.278
Carbon disulfide	6.85	8.63	0.794	ok	0.794	0.734-0.854
Chlorobenzene	14.75	14.70	1.003	ok	1.003	0.943-1.063
Chloroethane	5.01	8.63	0.581	ok	0.580	0.520-0.640
Chloroform	8.75	8.63	1.014	ok	1.014	0.954-1.074
Chloromethane	4.20	8.63	0.487	ok	0.487	0.427-0.547
3-Chloropropene	6.65	8.63	0.771	ok	0.771	0.711-0.831
2-Chlorotoluene	17.01	14.70	1.157	ok	1.157	1.097-1.217
Carbon tetrachloride	10.29	8.63	1.192	ok	1.192	1.132-1.252
Cyclohexane	10.41	10.46	0.995	ok	0.995	0.935-1.055
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	0.744	0.684-0.804
1,2-Dibromoethane	13.60	14.70	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	10.92	10.46	1.044	ok	1.044	0.984-1.104
1,4-Dioxane	11.13	10.46	1.064	ok	1.065	1.005-1.125
Dichlorodifluoromethane	4.04	8.63	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	8.63	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	11.96	10.46	1.143	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.94	14.70	1.220	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.40	14.70	1.252	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	12.46	10.46	1.191	ok	1.191	1.131-1.251
Ethanol	5.09	8.63	0.590	ok	0.591	0.531-0.651
Ethylbenzene	15.13	14.70	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.66	8.63	1.003	ok	1.004	0.944-1.064
4-Ethyltoluene	17.20	14.70	1.170	ok	1.170	1.110-1.230
Freon 113	6.79	8.63	0.787	ok	0.787	0.727-0.847
Freon 114	4.30	8.63	0.498	ok	0.498	0.438-0.558
Heptane	11.40	10.46	1.090	ok	1.090	1.030-1.150
Hexachlorobutadiene	20.79	14.70	1.414	ok	1.414	1.354-1.474
Hexane	8.66	8.63	1.003	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67337
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ235-IC235	Q4480.D	09/04/07 11:35	DFT	0.5	GCMSQ	TO-15	
MSQ235-IC235	Q4481.D	09/04/07 12:19	DFT	0.2	GCMSQ	TO-15	
MSQ235-IC235	Q4482.D	09/04/07 13:01	DFT	40	GCMSQ	TO-15	Reporting this level
MSQ235-IC235	Q4483.D	09/04/07 13:44	DFT	20	GCMSQ	TO-15	
MSQ235-ICC235	Q4484.D	09/04/07 14:27	DFT	10	GCMSQ	TO-15	
MSQ235-IC235	Q4485.D	09/04/07 15:10	DFT	5	GCMSQ	TO-15	
MSQ235-IC235	Q4486.D	09/04/07 15:54	DFT	2	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	16.47	14.70	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.82	8.63	0.674	ok	0.676	0.616-0.736
Methylene chloride	6.54	8.63	0.758	ok	0.758	0.698-0.818
Methyl ethyl ketone	8.02	8.63	0.929	ok	0.931	0.871-0.991
Methyl Isobutyl Ketone	11.97	10.46	1.144	ok	1.145	1.085-1.205
Methyl Tert Butyl Ether	7.70	8.63	0.892	ok	0.893	0.833-0.953
Nonane	16.02	14.70	1.090	ok	1.090	1.030-1.150
Pentane	6.14	8.63	0.711	ok	0.712	0.652-0.772
Propylene	3.96	8.63	0.459	ok	0.460	0.400-0.520
Styrene	15.70	14.70	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.70	8.63	1.124	ok	1.124	1.064-1.184
1,1,2,2-Tetrachloroethane	15.81	14.70	1.076	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	12.64	10.46	1.208	ok	1.209	1.149-1.269
1,2,4-Trichlorobenzene	20.30	14.70	1.381	ok	1.381	1.321-1.441
1,2,4-Trimethylbenzene	17.75	14.70	1.207	ok	1.207	1.147-1.267
1,3,5-Trimethylbenzene	17.29	14.70	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.16	10.46	1.067	ok	1.067	1.007-1.127
Tertiary Butyl Alcohol	6.43	8.63	0.745	ok	0.746	0.686-0.806
Tetrachloroethylene	14.05	14.70	0.956	ok	0.956	0.896-1.016
Tetrahydrofuran	9.13	8.63	1.058	ok	1.060	1.000-1.120
Toluene	12.92	10.46	1.235	ok	1.236	1.176-1.296
Trichloroethylene	11.14	10.46	1.065	ok	1.065	1.005-1.125
Trichlorofluoromethane	5.79	8.63	0.671	ok	0.671	0.611-0.731
Vinyl chloride	4.42	8.63	0.512	ok	0.512	0.452-0.572
Vinyl Acetate	7.78	8.63	0.902	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	8.63	ok	8.63	8.30-8.96	293673	ok	293578	176147-411009
1,4-Difluorobenzene	10.46	ok	10.46	10.13-10.79	1408392	ok	1391932	835159-1948705
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	1134947	ok	1085625	651375-1519875

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67337
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ235-IC235	Q4480.D	09/04/07 11:35	DFT	0.5	GCMSQ	TO-15	
MSQ235-IC235	Q4481.D	09/04/07 12:19	DFT	0.2	GCMSQ	TO-15	
MSQ235-IC235	Q4482.D	09/04/07 13:01	DFT	40	GCMSQ	TO-15	
MSQ235-IC235	Q4483.D	09/04/07 13:44	DFT	20	GCMSQ	TO-15	Reporting this level
MSQ235-ICC235	Q4484.D	09/04/07 14:27	DFT	10	GCMSQ	TO-15	
MSQ235-IC235	Q4485.D	09/04/07 15:10	DFT	5	GCMSQ	TO-15	
MSQ235-IC235	Q4486.D	09/04/07 15:54	DFT	2	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	0.649	0.589-0.709
1,3-Butadiene	4.55	8.62	0.528	ok	0.528	0.468-0.588
Benzene	10.14	10.46	0.969	ok	0.970	0.910-1.030
Bromodichloromethane	11.10	10.46	1.061	ok	1.062	1.002-1.122
Bromoform	15.42	14.70	1.049	ok	1.048	0.988-1.108
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	1.218	1.158-1.278
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	5.01	8.62	0.581	ok	0.580	0.520-0.640
Chloroform	8.75	8.62	1.015	ok	1.014	0.954-1.074
Chloromethane	4.20	8.62	0.487	ok	0.487	0.427-0.547
3-Chloropropene	6.65	8.62	0.771	ok	0.771	0.711-0.831
2-Chlorotoluene	17.01	14.70	1.157	ok	1.157	1.097-1.217
Carbon tetrachloride	10.28	8.62	1.193	ok	1.192	1.132-1.252
Cyclohexane	10.40	10.46	0.994	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	14.70	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	10.46	1.044	ok	1.044	0.984-1.104
1,4-Dioxane	11.13	10.46	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	14.70	0.907	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	10.46	1.143	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.93	14.70	1.220	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.40	14.70	1.252	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	12.46	10.46	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	1.170	1.110-1.230
Freon 113	6.79	8.62	0.788	ok	0.787	0.727-0.847
Freon 114	4.29	8.62	0.498	ok	0.498	0.438-0.558
Heptane	11.40	10.46	1.090	ok	1.090	1.030-1.150
Hexachlorobutadiene	20.79	14.70	1.414	ok	1.414	1.354-1.474
Hexane	8.66	8.62	1.005	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67337
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ235-IC235	Q4480.D	09/04/07 11:35	DFT	0.5	GCMSQ	TO-15	
MSQ235-IC235	Q4481.D	09/04/07 12:19	DFT	0.2	GCMSQ	TO-15	
MSQ235-IC235	Q4482.D	09/04/07 13:01	DFT	40	GCMSQ	TO-15	
MSQ235-IC235	Q4483.D	09/04/07 13:44	DFT	20	GCMSQ	TO-15	Reporting this level
MSQ235-ICC235	Q4484.D	09/04/07 14:27	DFT	10	GCMSQ	TO-15	
MSQ235-IC235	Q4485.D	09/04/07 15:10	DFT	5	GCMSQ	TO-15	
MSQ235-IC235	Q4486.D	09/04/07 15:54	DFT	2	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	10.46	1.144	ok	1.145	1.085-1.205
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	6.14	8.62	0.712	ok	0.712	0.652-0.772
Propylene	3.96	8.62	0.459	ok	0.460	0.400-0.520
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	1.124	1.064-1.184
1,1,2,2-Tetrachloroethane	15.81	14.70	1.076	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	12.64	10.46	1.208	ok	1.209	1.149-1.269
1,2,4-Trichlorobenzene	20.30	14.70	1.381	ok	1.381	1.321-1.441
1,2,4-Trimethylbenzene	17.75	14.70	1.207	ok	1.207	1.147-1.267
1,3,5-Trimethylbenzene	17.29	14.70	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.16	10.46	1.067	ok	1.067	1.007-1.127
Tertiary Butyl Alcohol	6.42	8.62	0.745	ok	0.746	0.686-0.806
Tetrachloroethylene	14.05	14.70	0.956	ok	0.956	0.896-1.016
Tetrahydrofuran	9.13	8.62	1.059	ok	1.060	1.000-1.120
Toluene	12.92	10.46	1.235	ok	1.236	1.176-1.296
Trichloroethylene	11.14	10.46	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	4.42	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	15.32	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	8.63	8.30-8.96	270845	ok	293578	176147-411009
1,4-Difluorobenzene	10.46	ok	10.46	10.13-10.79	1339992	ok	1391932	835159-1948705
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	1069763	ok	1085625	651375-1519875

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67337
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ235-IC235	Q4480.D	09/04/07 11:35	DFT	0.5	GCMSQ	TO-15	
MSQ235-IC235	Q4481.D	09/04/07 12:19	DFT	0.2	GCMSQ	TO-15	
MSQ235-IC235	Q4482.D	09/04/07 13:01	DFT	40	GCMSQ	TO-15	
MSQ235-IC235	Q4483.D	09/04/07 13:44	DFT	20	GCMSQ	TO-15	
MSQ235-ICC235	Q4484.D	09/04/07 14:27	DFT	10	GCMSQ	TO-15	Reporting this level
MSQ235-IC235	Q4485.D	09/04/07 15:10	DFT	5	GCMSQ	TO-15	
MSQ235-IC235	Q4486.D	09/04/07 15:54	DFT	2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.59	8.63	0.648	ok	0.649	0.589-0.709
1,3-Butadiene	4.56	8.63	0.528	ok	0.528	0.468-0.588
Benzene	10.14	10.46	0.969	ok	0.970	0.910-1.030
Bromodichloromethane	11.10	10.46	1.061	ok	1.062	1.002-1.122
Bromoform	15.41	14.70	1.048	ok	1.048	0.988-1.108
Bromomethane	4.83	8.63	0.560	ok	0.560	0.500-0.620
Bromoethene	5.37	8.63	0.622	ok	0.622	0.562-0.682
Benzyl Chloride	17.91	14.70	1.218	ok	1.218	1.158-1.278
Carbon disulfide	6.85	8.63	0.794	ok	0.794	0.734-0.854
Chlorobenzene	14.74	14.70	1.003	ok	1.003	0.943-1.063
Chloroethane	5.01	8.63	0.581	ok	0.580	0.520-0.640
Chloroform	8.75	8.63	1.014	ok	1.014	0.954-1.074
Chloromethane	4.20	8.63	0.487	ok	0.487	0.427-0.547
3-Chloropropene	6.65	8.63	0.771	ok	0.771	0.711-0.831
2-Chlorotoluene	17.01	14.70	1.157	ok	1.157	1.097-1.217
Carbon tetrachloride	10.28	8.63	1.191	ok	1.192	1.132-1.252
Cyclohexane	10.41	10.46	0.995	ok	0.995	0.935-1.055
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	0.744	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	8.63	1.096	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.92	10.46	1.044	ok	1.044	0.984-1.104
1,4-Dioxane	11.13	10.46	1.064	ok	1.065	1.005-1.125
Dichlorodifluoromethane	4.04	8.63	0.468	ok	0.468	0.408-0.528
Dibromochloromethane	13.34	14.70	0.907	ok	0.908	0.848-0.968
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	11.95	10.46	1.142	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.93	14.70	1.220	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.40	14.70	1.252	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	10.46	1.190	ok	1.191	1.131-1.251
Ethanol	5.10	8.63	0.591	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	8.63	1.003	ok	1.004	0.944-1.064
4-Ethyltoluene	17.20	14.70	1.170	ok	1.170	1.110-1.230
Freon 113	6.79	8.63	0.787	ok	0.787	0.727-0.847
Freon 114	4.30	8.63	0.498	ok	0.498	0.438-0.558
Heptane	11.40	10.46	1.090	ok	1.090	1.030-1.150
Hexachlorobutadiene	20.79	14.70	1.414	ok	1.414	1.354-1.474
Hexane	8.66	8.63	1.003	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67337
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ235-IC235	Q4480.D	09/04/07 11:35	DFT	0.5	GCMSQ	TO-15	
MSQ235-IC235	Q4481.D	09/04/07 12:19	DFT	0.2	GCMSQ	TO-15	
MSQ235-IC235	Q4482.D	09/04/07 13:01	DFT	40	GCMSQ	TO-15	
MSQ235-IC235	Q4483.D	09/04/07 13:44	DFT	20	GCMSQ	TO-15	
MSQ235-ICC235	Q4484.D	09/04/07 14:27	DFT	10	GCMSQ	TO-15	Reporting this level
MSQ235-IC235	Q4485.D	09/04/07 15:10	DFT	5	GCMSQ	TO-15	
MSQ235-IC235	Q4486.D	09/04/07 15:54	DFT	2	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	8.63	0.674	ok	0.676	0.616-0.736
Methylene chloride	6.54	8.63	0.758	ok	0.758	0.698-0.818
Methyl ethyl ketone	8.02	8.63	0.929	ok	0.931	0.871-0.991
Methyl Isobutyl Ketone	11.97	10.46	1.144	ok	1.145	1.085-1.205
Methyl Tert Butyl Ether	7.70	8.63	0.892	ok	0.893	0.833-0.953
Nonane	16.02	14.70	1.090	ok	1.090	1.030-1.150
Pentane	6.14	8.63	0.711	ok	0.712	0.652-0.772
Propylene	3.96	8.63	0.459	ok	0.460	0.400-0.520
Styrene	15.70	14.70	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.70	8.63	1.124	ok	1.124	1.064-1.184
1,1,2,2-Tetrachloroethane	15.80	14.70	1.075	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	12.64	10.46	1.208	ok	1.209	1.149-1.269
1,2,4-Trichlorobenzene	20.30	14.70	1.381	ok	1.381	1.321-1.441
1,2,4-Trimethylbenzene	17.75	14.70	1.207	ok	1.207	1.147-1.267
1,3,5-Trimethylbenzene	17.28	14.70	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.16	10.46	1.067	ok	1.067	1.007-1.127
Tertiary Butyl Alcohol	6.42	8.63	0.744	ok	0.746	0.686-0.806
Tetrachloroethylene	14.05	14.70	0.956	ok	0.956	0.896-1.016
Tetrahydrofuran	9.13	8.63	1.058	ok	1.060	1.000-1.120
Toluene	12.92	10.46	1.235	ok	1.236	1.176-1.296
Trichloroethylene	11.14	10.46	1.065	ok	1.065	1.005-1.125
Trichlorofluoromethane	5.79	8.63	0.671	ok	0.671	0.611-0.731
Vinyl chloride	4.42	8.63	0.512	ok	0.512	0.452-0.572
Vinyl Acetate	7.78	8.63	0.902	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	15.81	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	8.63	ok	8.63	8.30-8.96	273100	ok	293578	176147-411009
1,4-Difluorobenzene	10.46	ok	10.46	10.13-10.79	1337813	ok	1391932	835159-1948705
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	1045380	ok	1085625	651375-1519875

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67337
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ235-IC235	Q4480.D	09/04/07 11:35	DFT	0.5	GCMSQ	TO-15	
MSQ235-IC235	Q4481.D	09/04/07 12:19	DFT	0.2	GCMSQ	TO-15	
MSQ235-IC235	Q4482.D	09/04/07 13:01	DFT	40	GCMSQ	TO-15	
MSQ235-IC235	Q4483.D	09/04/07 13:44	DFT	20	GCMSQ	TO-15	
MSQ235-ICC235	Q4484.D	09/04/07 14:27	DFT	10	GCMSQ	TO-15	
MSQ235-IC235	Q4485.D	09/04/07 15:10	DFT	5	GCMSQ	TO-15	Reporting this level
MSQ235-IC235	Q4486.D	09/04/07 15:54	DFT	2	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	0.649	0.589-0.709
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	14.70	1.048	ok	1.048	0.988-1.108
Bromomethane	4.84	8.62	0.561	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	1.218	1.158-1.278
Carbon disulfide	6.85	8.62	0.795	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	0.580	0.520-0.640
Chloroform	8.75	8.62	1.015	ok	1.014	0.954-1.074
Chloromethane	4.20	8.62	0.487	ok	0.487	0.427-0.547
3-Chloropropene	6.66	8.62	0.773	ok	0.771	0.711-0.831
2-Chlorotoluene	17.01	14.70	1.157	ok	1.157	1.097-1.217
Carbon tetrachloride	10.28	8.62	1.193	ok	1.192	1.132-1.252
Cyclohexane	10.41	10.45	0.996	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	14.70	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	10.92	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	4.04	8.62	0.469	ok	0.468	0.408-0.528
Dibromochloromethane	13.34	14.70	0.907	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	8.47	8.62	0.983	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	18.40	14.70	1.252	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	12.46	10.45	1.192	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	1.170	1.110-1.230
Freon 113	6.80	8.62	0.789	ok	0.787	0.727-0.847
Freon 114	4.30	8.62	0.499	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	1.414	1.354-1.474
Hexane	8.66	8.62	1.005	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67337
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ235-IC235	Q4480.D	09/04/07 11:35	DFT	0.5	GCMSQ	TO-15	
MSQ235-IC235	Q4481.D	09/04/07 12:19	DFT	0.2	GCMSQ	TO-15	
MSQ235-IC235	Q4482.D	09/04/07 13:01	DFT	40	GCMSQ	TO-15	
MSQ235-IC235	Q4483.D	09/04/07 13:44	DFT	20	GCMSQ	TO-15	
MSQ235-ICC235	Q4484.D	09/04/07 14:27	DFT	10	GCMSQ	TO-15	
MSQ235-IC235	Q4485.D	09/04/07 15:10	DFT	5	GCMSQ	TO-15	Reporting this level
MSQ235-IC235	Q4486.D	09/04/07 15:54	DFT	2	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	6.54	8.62	0.759	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	1.145	1.085-1.205
Methyl Tert Butyl Ether	7.71	8.62	0.894	ok	0.893	0.833-0.953
Nonane	16.01	14.70	1.089	ok	1.090	1.030-1.150
Pentane	6.14	8.62	0.712	ok	0.712	0.652-0.772
Propylene	3.97	8.62	0.461	ok	0.460	0.400-0.520
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	1.124	1.064-1.184
1,1,2,2-Tetrachloroethane	15.80	14.70	1.075	ok	1.075	1.015-1.135
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	1.381	1.321-1.441
1,2,4-Trimethylbenzene	17.75	14.70	1.207	ok	1.207	1.147-1.267
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	1.067	1.007-1.127
Tertiary Butyl Alcohol	6.43	8.62	0.746	ok	0.746	0.686-0.806
Tetrachloroethylene	14.05	14.70	0.956	ok	0.956	0.896-1.016
Tetrahydrofuran	9.14	8.62	1.060	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	1.065	1.005-1.125
Trichlorofluoromethane	5.79	8.62	0.672	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	15.32	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	8.63	8.30-8.96	300031	ok	293578	176147-411009
1,4-Difluorobenzene	10.45	ok	10.46	10.13-10.79	1354315	ok	1391932	835159-1948705
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	1088766	ok	1085625	651375-1519875

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67337
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ235-IC235	Q4480.D	09/04/07 11:35	DFT	0.5	GCMSQ	TO-15	
MSQ235-IC235	Q4481.D	09/04/07 12:19	DFT	0.2	GCMSQ	TO-15	
MSQ235-IC235	Q4482.D	09/04/07 13:01	DFT	40	GCMSQ	TO-15	
MSQ235-IC235	Q4483.D	09/04/07 13:44	DFT	20	GCMSQ	TO-15	
MSQ235-ICC235	Q4484.D	09/04/07 14:27	DFT	10	GCMSQ	TO-15	
MSQ235-IC235	Q4485.D	09/04/07 15:10	DFT	5	GCMSQ	TO-15	
MSQ235-IC235	Q4486.D	09/04/07 15:54	DFT	2	GCMSQ	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.60	8.63	0.649	ok	0.649	0.589-0.709
1,3-Butadiene	4.56	8.63	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	14.70	1.048	ok	1.048	0.988-1.108
Bromomethane	4.83	8.63	0.560	ok	0.560	0.500-0.620
Bromoethene	5.37	8.63	0.622	ok	0.622	0.562-0.682
Benzyl Chloride	17.91	14.70	1.218	ok	1.218	1.158-1.278
Carbon disulfide	6.85	8.63	0.794	ok	0.794	0.734-0.854
Chlorobenzene	14.74	14.70	1.003	ok	1.003	0.943-1.063
Chloroethane	5.00	8.63	0.579	ok	0.580	0.520-0.640
Chloroform	8.74	8.63	1.013	ok	1.014	0.954-1.074
Chloromethane	4.20	8.63	0.487	ok	0.487	0.427-0.547
3-Chloropropene	6.66	8.63	0.772	ok	0.771	0.711-0.831
2-Chlorotoluene	17.01	14.70	1.157	ok	1.157	1.097-1.217
Carbon tetrachloride	10.28	8.63	1.191	ok	1.192	1.132-1.252
Cyclohexane	10.41	10.45	0.996	ok	0.995	0.935-1.055
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	0.744	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	8.63	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	4.04	8.63	0.468	ok	0.468	0.408-0.528
Dibromochloromethane	13.34	14.70	0.907	ok	0.908	0.848-0.968
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	11.96	10.45	1.144	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.94	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	5.10	8.63	0.591	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	8.63	1.003	ok	1.004	0.944-1.064
4-Ethyltoluene	17.21	14.70	1.171	ok	1.170	1.110-1.230
Freon 113	6.79	8.63	0.787	ok	0.787	0.727-0.847
Freon 114	4.29	8.63	0.497	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	1.414	1.354-1.474
Hexane	8.67	8.63	1.005	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67337
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ235-IC235	Q4480.D	09/04/07 11:35	DFT	0.5	GCMSQ	TO-15	
MSQ235-IC235	Q4481.D	09/04/07 12:19	DFT	0.2	GCMSQ	TO-15	
MSQ235-IC235	Q4482.D	09/04/07 13:01	DFT	40	GCMSQ	TO-15	
MSQ235-IC235	Q4483.D	09/04/07 13:44	DFT	20	GCMSQ	TO-15	
MSQ235-ICC235	Q4484.D	09/04/07 14:27	DFT	10	GCMSQ	TO-15	
MSQ235-IC235	Q4485.D	09/04/07 15:10	DFT	5	GCMSQ	TO-15	
MSQ235-IC235	Q4486.D	09/04/07 15:54	DFT	2	GCMSQ	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.15	14.70	0.895	ok	0.894	0.834-0.954
Isopropylbenzene	16.46	14.70	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.83	8.63	0.676	ok	0.676	0.616-0.736
Methylene chloride	6.54	8.63	0.758	ok	0.758	0.698-0.818
Methyl ethyl ketone	8.04	8.63	0.932	ok	0.931	0.871-0.991
Methyl Isobutyl Ketone	11.98	10.45	1.146	ok	1.145	1.085-1.205
Methyl Tert Butyl Ether	7.71	8.63	0.893	ok	0.893	0.833-0.953
Nonane	16.02	14.70	1.090	ok	1.090	1.030-1.150
Pentane	6.14	8.63	0.711	ok	0.712	0.652-0.772
Propylene	3.97	8.63	0.460	ok	0.460	0.400-0.520
Styrene	15.70	14.70	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.70	8.63	1.124	ok	1.124	1.064-1.184
1,1,2,2-Tetrachloroethane	15.80	14.70	1.075	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	12.64	10.45	1.210	ok	1.209	1.149-1.269
1,2,4-Trichlorobenzene	20.31	14.70	1.382	ok	1.381	1.321-1.441
1,2,4-Trimethylbenzene	17.75	14.70	1.207	ok	1.207	1.147-1.267
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	1.067	1.007-1.127
Tertiary Butyl Alcohol	6.43	8.63	0.745	ok	0.746	0.686-0.806
Tetrachloroethylene	14.04	14.70	0.955	ok	0.956	0.896-1.016
Tetrahydrofuran	9.14	8.63	1.059	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	1.065	1.005-1.125
Trichlorofluoromethane	5.78	8.63	0.670	ok	0.671	0.611-0.731
Vinyl chloride	4.42	8.63	0.512	ok	0.512	0.452-0.572
Vinyl Acetate	7.79	8.63	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	8.63	ok	8.63	8.30-8.96	322404	ok	293578	176147-411009
1,4-Difluorobenzene	10.45	ok	10.46	10.13-10.79	1580552	ok	1391932	835159-1948705
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	1212216	ok	1085625	651375-1519875

Volatile Surrogate Recovery Summary

Job Number: M67337
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
M67337-1	Q4493.D	82.0
M67337-2	Q4494.D	84.0
M67405-1DUP	Q4492.D	66.0
MSJ561-SCC	J10850.D	82.0
MSJ562-SCC	J10880.D	90.0
MSQ235-BS	Q4488B.D	110.0
MSQ235-MB	Q4490.D	70.0
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: M67337
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: M67337
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: M67337
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: M67337
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: M67337
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: M67337
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: M67337
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: M67337
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: M67337
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: M67337
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: M67337
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: M67337
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: M67337
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: M67337
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: M67337
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSJ562-CC562
Lab FileID: J10868A.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 11:51:03 2007
```

Initial Calibration Verification

Job Number: M67337
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: M67337
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: M67337
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: M67337
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ235-ICC235
Lab FileID: Q4484.D

Response Factor Report MAMSQ

```
Method       : C:\msdchem\1\METHODS\Q090407T.m (RTE Integrator)
Title        :  TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update  : Tue Sep 04 16:25:31 2007
Response via : Initial Calibration

Calibration Files
.2     =Q4481.D      .5     =Q4480.D      2      =Q4486.D
5    =Q4485.D     10   =Q4484.D     20   =Q4483.D     40   =Q4482.D

    Compound           .2    .5    2     5     10    20    40     Avg   %RSD
-------------------------------------------------------------------------------

1) I   BROMOCHLOROMETHANE    ----------------ISTD---------------------
2)m DICHLORODIFLUOROM 5.743 4.073 3.012 3.123 4.020 3.685 4.246 3.986  22.78
3)m PROPYLENE         0.942 0.759 0.571 0.623 0.775 0.727 0.863 0.751  17.07
4)m FREON 114         4.685 4.053 2.963 3.331 4.034 3.746 4.106 3.845  14.65
5)m CHLOROMETHANE     1.281 1.090 0.812 0.881 1.140 0.930 1.059 1.028  15.88
6)m VINYL CHLORIDE    1.245 1.173 0.911 1.028 1.271 1.173 1.232 1.147  11.45
7)m 1,3-BUTADIENE     0.978 0.911 0.673 0.779 1.036 0.888 0.961 0.889  14.05
8)m BROMOMETHANE      1.474 1.277 0.972 1.085 1.279 1.310 1.307 1.243  13.23
9)m CHLOROETHANE      0.449 0.549 0.379 0.459 0.535 0.596 0.576 0.506  15.59
10)m TRICHLOROFLUOROME 4.668 3.899 2.981 3.377 3.929 4.039 4.001 3.842  13.91
11)m ISOPROPYL ALCOHOL 1.567 1.549 1.256 1.527 1.806 1.979 1.684 1.624  14.13
12)m ACETONE          2.786 2.199 1.232 1.384 1.638 1.719 1.639 1.800  29.46
13)m PENTANE          1.301 1.260 0.896 1.049 1.306 1.313 1.222 1.193  13.40
14)m 1,1-DICHLOROETHYL 1.187 1.094 0.873 1.034 1.221 1.319 1.242 1.139  13.20
15)m CARBON DISULFIDE  4.312 3.392 2.737 3.101 3.591 3.752 3.701 3.512  14.34
16)m ETHANOL          0.475 0.418 0.316 0.355 0.407 0.432 0.404 0.401  12.95
17)m BROMOETHENE      0.992 1.137 0.870 1.001 1.113 1.240 1.224 1.082  12.45
18)m METHYLENE CHLORID 4.090 3.211 1.054 0.929 1.076 1.168 1.195 1.818  70.45
  ----- Linear regression  (equal Weighting)-----  Coefficient =  0.9975
             Response Ratio = -0.01660 + 1.18764 *A

19)m 3-CHLOROPROPENE   0.935 0.907 0.678 0.871 1.186 1.333 1.220 1.019  22.85
20)m FREON 113         2.714 2.187 1.638 1.912 2.141 2.221 2.323 2.162  15.48
21)m TRANS-1,2-DICHLOR 1.135 1.076 0.816 1.011 1.153 1.223 1.246 1.094  13.42
22)m TERTIARY BUTYL AL 1.758 1.698 1.680 2.014 2.244 2.556 0.826 1.825  29.89
23)m METHYL TERTIARY B 1.733 1.713 1.742 2.157 2.537 2.803 2.787 2.210  22.53
24)m TETRAHYDROFURAN   0.278 0.404 0.482 0.729 1.021 1.111 1.058 0.726  47.35
  ----- Linear regression  (equal Weighting)-----  Coefficient =  0.9977
             Response Ratio = -0.06815 + 1.08626 *A

25)m HEXANE            1.330 1.251 1.042 1.353 1.744 1.807 1.755 1.469  20.33
26)m VINYL ACETATE     1.351 1.414 1.244 1.618 2.342 2.392 2.451 1.831  29.54
27)m 1,1-DICHLOROETHAN 2.064 2.017 1.457 1.739 2.365 2.492 2.495 2.090  18.84
28)m METHYL ETHYL KETO 1.147 1.286 1.214 1.611 2.026 2.178 2.066 1.647  26.82
29)m cis-1,2-DICHLOROE 0.542 0.666 0.590 0.788 1.056 1.189 1.275 0.872  34.22
         ----- Quadratic regression -----  Coefficient =  0.9991
             Response Ratio = -0.06758 + 1.09145 *A + 0.05082 *A^2

30)m ETHYL ACETATE     2.183 2.294 2.063 2.592 3.246 3.429 3.241 2.721  21.05
31)m CHLOROFORM        2.817 2.539 1.829 2.216 2.772 3.015 3.096 2.612  17.41
32)m 1,1,1-TRICHLOROET 2.523 2.354 1.753 2.048 2.743 2.965 3.139 2.503  19.76
33)m CARBON TETRACHLOR 3.090 2.782 2.219 2.504 3.133 3.346 3.482 2.937  15.56
34)m 1,2-DICHLOROETHAN 1.187 1.257 1.069 1.235 1.778 1.951 1.978 1.494  26.25

35) I   1,4-DIFLUOROBENZENE   ----------------ISTD---------------------
36)m BENZENE           0.356 0.399 0.344 0.445 0.656 0.670 0.794 0.523  34.38
```

Initial Calibration Summary

Job Number: M67337
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ235-ICC235
Lab FileID: Q4484.D

```
          ----- Quadratic regression -----  Coefficient =  0.9992
               Response Ratio = -0.02555 + 0.57583 *A + 0.05600 *A^2

 37)m CYCLOHEXANE       0.122 0.119 0.154 0.230 0.287 0.299 0.327 0.220  40.05
          ----- Quadratic regression -----  Coefficient =  0.9996
               Response Ratio = -0.01399 + 0.28044 *A + 0.01250 *A^2

 38)m TRICHLOROETHYLENE 0.236 0.227 0.206 0.270 0.327 0.369 0.401 0.291  25.99
 39)m 1,2-DICHLOROPROPA 0.162 0.159 0.134 0.176 0.227 0.255 0.277 0.199  27.48
 40)m BROMODICHLOROMETH 0.502 0.471 0.352 0.447 0.582 0.650 0.716 0.531  23.63
 41)m 2,2,4-TRIMETHYLPE 0.515 0.621 0.648 0.920 1.171 1.262 1.311 0.921  36.01
          ----- Quadratic regression -----  Coefficient =  0.9993
               Response Ratio = -0.07085 + 1.21760 *A + 0.02848 *A^2

 42)m 1,4-DIOXANE       0.032 0.061 0.067 0.099 0.119 0.134 0.146 0.094  44.74
          ----- Quadratic regression -----  Coefficient =  0.9996
               Response Ratio = -0.00675 + 0.12153 *A + 0.00657 *A^2

 43)m HEPTANE           0.169 0.178 0.197 0.327 0.404 0.446 0.478 0.314  42.24
          ----- Quadratic regression -----  Coefficient =  0.9994
               Response Ratio = -0.02546 + 0.41622 *A + 0.01715 *A^2

 44)m METHYL ISOBUTYL K 0.178 0.194 0.273 0.423 0.517 0.561 0.568 0.388  44.06
          ----- Quadratic regression -----  Coefficient =  0.9992
               Response Ratio = -0.03500 + 0.55535 *A + 0.00573 *A^2

 45)m cis-1,3-DICHLOROP 0.135 0.134 0.147 0.229 0.318 0.372 0.419 0.251  47.77
          ----- Quadratic regression -----  Coefficient =  0.9991
               Response Ratio = -0.02337 + 0.32202 *A + 0.02603 *A^2

 46)m TOLUENE           0.165 0.172 0.185 0.287 0.407 0.460 0.562 0.320  49.59
          ----- Quadratic regression -----  Coefficient =  0.9995
               Response Ratio = -0.02226 + 0.36783 *A + 0.04995 *A^2

 47)m trans-1,3-DICHLOR 0.113 0.115 0.126 0.200 0.281 0.331 0.384 0.221  50.45
          ----- Quadratic regression -----  Coefficient =  0.9992
               Response Ratio = -0.01998 + 0.27654 *A + 0.02843 *A^2

 48)m 1,1,2-TRICHLOROET 0.162 0.162 0.147 0.173 0.218 0.241 0.282 0.198  25.39

 49) I   CHLOROBENZENE-D5      ----------------ISTD---------------------
 50)m 2-HEXANONE        0.173 0.179 0.236 0.412 0.518 0.588 0.633 0.391  50.08
          ----- Quadratic regression -----  Coefficient =  0.9992
               Response Ratio = -0.03749 + 0.54240 *A + 0.02532 *A^2

 51)m TETRACHLOROETHYLE 0.265 0.260 0.223 0.279 0.350 0.430 0.493 0.328  30.49
          ----- Quadratic regression -----  Coefficient =  0.9992
               Response Ratio = -0.01947 + 0.35257 *A + 0.03669 *A^2

 52)m DIBROMOCHLOROMETH 0.516 0.467 0.394 0.474 0.633 0.689 0.826 0.571  26.52
 53)m 1,2-DIBROMOETHANE 0.300 0.281 0.264 0.326 0.417 0.492 0.575 0.379  31.22
          ----- Quadratic regression -----  Coefficient =  0.9995
               Response Ratio = -0.01993 + 0.40185 *A + 0.04474 *A^2

 54)m CHLOROBENZENE     0.563 0.501 0.463 0.543 0.692 0.766 0.906 0.633  25.40
 55)m ETHYLBENZENE      0.350 0.359 0.487 0.743 1.096 1.216 1.486 0.820  55.19
          ----- Quadratic regression -----  Coefficient =  0.9995
               Response Ratio = -0.06167 + 0.98055 *A + 0.13057 *A^2

 56)m m,p-XYLENE        0.119 0.133 0.218 0.296 0.419 0.476 0.549 0.316  53.70
```

Initial Calibration Summary

Job Number: M67337
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ235-ICC235
Lab FileID: Q4484.D

```
          ----- Quadratic regression -----  Coefficient =  0.9994
               Response Ratio = -0.05456 + 0.40730 *A + 0.01863 *A^2

57)m o-XYLENE          0.109 0.123 0.215 0.325 0.425 0.449 0.531 0.311  53.47
          ----- Quadratic regression -----  Coefficient =  0.9996
               Response Ratio = -0.01912 + 0.38471 *A + 0.03786 *A^2

58)m STYRENE           0.120 0.125 0.198 0.369 0.520 0.654 0.775 0.394  66.73
          ----- Quadratic regression -----  Coefficient =  0.9991
               Response Ratio = -0.04511 + 0.52334 *A + 0.06625 *A^2

59)m NONANE            0.171 0.208 0.344 0.534 0.744 0.794 0.841 0.520  54.34
          ----- Quadratic regression -----  Coefficient =  0.9991
               Response Ratio = -0.05319 + 0.76091 *A + 0.02376 *A^2

60)m BROMOFORM         0.388 0.369 0.347 0.398 0.537 0.631 0.754 0.489  31.88
          ----- Quadratic regression -----  Coefficient =  0.9995
               Response Ratio = -0.02428 + 0.50122 *A + 0.06508 *A^2

61)S 4-BROMOFLUOROBENZ 0.471 0.573 0.592 0.638 0.653 0.676 0.686 0.613  12.24
62)m 1,1,2,2-TETRACHLO 0.545 0.503 0.468 0.549 0.663 0.712 0.810 0.607  20.42
63)m ISOPROPYLBENZENE  0.465 0.477 0.676 0.935 1.265 1.394 1.586 0.971  46.68
          ----- Quadratic regression -----  Coefficient =  0.9995
               Response Ratio = -0.07227 + 1.22125 *A + 0.09629 *A^2

64)m 2-CHLOROTOLUENE   0.250 0.289 0.416 0.671 0.903 1.033 1.086 0.664  53.06
          ----- Quadratic regression -----  Coefficient =  0.9988
               Response Ratio = -0.07433 + 0.97066 *A + 0.03431 *A^2

65)m 4-ETHYLTOLUENE    0.233 0.263 0.512 0.857 1.062 1.231 1.370 0.790  58.36
          ----- Quadratic regression -----  Coefficient =  0.9994
               Response Ratio = -0.07498 + 1.09182 *A + 0.07486 *A^2

66)m 1,3,5-TRIMETHYLBE 0.220 0.301 0.543 0.841 1.037 1.214 1.205 0.766  54.29
          ----- Quadratic regression -----  Coefficient =  0.9984
               Response Ratio = -0.09181 + 1.19208 *A + 0.01008 *A^2

67)m 1,2,4-TRIMETHYLBE 0.186 0.196 0.374 0.624 0.923 1.052 1.116 0.639  62.34
          ----- Quadratic regression -----  Coefficient =  0.9986
               Response Ratio = -0.08387 + 0.98410 *A + 0.03904 *A^2

68)m m-DICHLOROBENZENE 0.208 0.235 0.342 0.417 0.489 0.615 0.647 0.422  41.03
          ----- Quadratic regression -----  Coefficient =  0.9984
               Response Ratio = -0.03698 + 0.55239 *A + 0.02667 *A^2

69)m BENZYL CHLORIDE   0.168 0.199 0.296 0.437 0.556 0.713 0.740 0.444  52.86
          ----- Quadratic regression -----  Coefficient =  0.9977
               Response Ratio = -0.05529 + 0.64980 *A + 0.02675 *A^2

70)m p-DICHLOROBENZENE 0.178 0.191 0.304 0.401 0.435 0.568 0.596 0.382  43.77
          ----- Quadratic regression -----  Coefficient =  0.9981
               Response Ratio = -0.03445 + 0.50586 *A + 0.02539 *A^2

71)m o-DICHLOROBENZENE 0.184 0.213 0.286 0.373 0.493 0.563 0.592 0.386  43.04
          ----- Quadratic regression -----  Coefficient =  0.9989
               Response Ratio = -0.03562 + 0.52623 *A + 0.01911 *A^2

72)m HEXACHLOROBUTADIE 0.417 0.352 0.208 0.251 0.233 0.257 0.190 0.272  30.15
          ----- Quadratic regression -----  Coefficient =  0.9954
               Response Ratio = -0.01009 + 0.30199 *A + -0.02707 *A^2
```

Initial Calibration Summary

Job Number: M67337
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ235-ICC235
Lab FileID: Q4484.D

```
73)m 1,2,4-TRICHLOROBE       0.044 0.045 0.083 0.112 0.142 0.125 0.092  45.15
         ----- Quadratic regression -----  Coefficient =  0.9947
              Response Ratio = -0.02168 + 0.15676 *A + -0.00627 *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

          Q090407T.m        Wed Sep 05 13:38:08 2007   RPT1
```

Continuing Calibration Summary

Job Number: M67337
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ235-CC235
Lab FileID: Q4488A.D

Evaluate Continuing Calibration Report

```
Data File : C:\msdchem\1\DATA\Q4488a.D                    Vial: 3
Acq On    :  4 Sep 2007   5:27 pm                    Operator: danat
Sample    : cc235-10 (M217)                          Inst    : MAMSQ
Misc      : MS14204, MSQ235,,,,,1                    Multiplr: 1.00
MS Integration Params: LSCINT.P

Method       : C:\msdchem\1\METHODS\Q090407T.m (RTE Integrator)
Title        :  TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update  : Tue Sep 04 16:25:31 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	106	0.00	8.42- 8.83
2	m	DICHLORODIFLUOROMETHAN	3.986	3.574	10.3	94	0.00	3.83- 4.24
3	m	PROPYLENE	0.751	0.633	15.7	87	0.00	3.76- 4.17
4	m	FREON 114	3.845	3.483	9.4	92	0.00	4.09- 4.50
5	m	CHLOROMETHANE	1.028	0.830	19.3	77	0.00	3.99- 4.41
6	m	VINYL CHLORIDE	1.147	1.022	10.9	85	0.00	4.21- 4.63
7	m	1,3-BUTADIENE	0.889	0.764	14.1	78	0.00	4.35- 4.77
8	m	BROMOMETHANE	1.243	1.151	7.4	95	0.00	4.63- 5.04
9	m	CHLOROETHANE	0.506	0.490	3.2	97	0.00	4.80- 5.21
10	m	TRICHLOROFLUOROMETHANE	3.842	3.489	9.2	94	0.00	5.58- 5.99
11	m	ISOPROPYL ALCOHOL	1.624	1.451	10.7	85	0.00	5.59- 6.06
12	m	ACETONE	1.800	1.249	30.6#	81	0.00	5.39- 5.80
13	m	PENTANE	1.193	1.007	15.6	82	0.00	5.98- 6.29
14	m	1,1-DICHLOROETHYLENE	1.139	1.147	-0.7	100	0.00	6.22- 6.63
15	m	CARBON DISULFIDE	3.512	3.365	4.2	99	0.00	6.65- 7.06
16	m	ETHANOL	0.401	0.329	18.0	86	0.00	4.86- 5.33
17	m	BROMOETHENE	1.082	1.099	-1.6	105	0.00	5.16- 5.57
		----------	True	Calc.	% Drift		----------	
18	m	METHYLENE CHLORIDE	10.000	8.860	11.4	102	0.00	6.39- 6.69
		----------	AvgRF	CCRF	% Dev		----------	
19	m	3-CHLOROPROPENE	1.019	0.971	4.7	87	0.00	6.45- 6.86
20	m	FREON 113	2.162	2.146	0.7	106	0.00	6.59- 7.00
21	m	TRANS-1,2-DICHLOROETHY	1.094	1.134	-3.7	104	0.00	7.26- 7.67
22	m	TERTIARY BUTYL ALCOHOL	1.825	1.948	-6.7	92	0.00	6.17- 6.68
23	m	METHYL TERTIARY BUTYL	2.210	2.077	6.0	87	0.00	7.50- 7.91
		----------	True	Calc.	% Drift		----------	
24	m	TETRAHYDROFURAN	10.000	6.750	32.5#	69	0.00	8.99- 9.28
		----------	AvgRF	CCRF	% Dev		----------	
25	m	HEXANE	1.469	1.439	2.0	88	0.00	8.46- 8.87
26	m	VINYL ACETATE	1.831	1.643	10.3	74	0.00	7.60- 7.96
27	m	1,1-DICHLOROETHANE	2.090	1.994	4.6	89	0.00	7.45- 7.87
28	m	METHYL ETHYL KETONE	1.647	1.461	11.3	77	0.00	7.78- 8.27
		----------	True	Calc.	% Drift		----------	
29	m	cis-1,2-DICHLOROETHYLE	10.000	9.383	6.2	101	0.00	8.26- 8.67
		----------	AvgRF	CCRF	% Dev		----------	
30	m	ETHYL ACETATE	2.721	2.416	11.2	79	0.00	8.44- 8.87

Continuing Calibration Summary

Job Number: M67337
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ235-CC235
Lab FileID: Q4488A.D

31	m	CHLOROFORM	2.612	2.601	0.4	100	0.00	8.54- 8.95
32	m	1,1,1-TRICHLOROETHANE	2.503	2.554	-2.0	99	0.00	9.50- 9.91
33	m	CARBON TETRACHLORIDE	2.937	3.106	-5.8	105	0.00	10.08-10.49
34	m	1,2-DICHLOROETHANE	1.494	1.437	3.8	86	0.00	9.25- 9.66
35	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	100	0.00	10.25-10.66
		----------	True	Calc.	% Drift		----------	
36	m	BENZENE	10.000	9.239	7.6	85	0.00	9.94-10.35
37	m	CYCLOHEXANE	10.000	10.211	-2.1	100	0.00	10.20-10.61
		----------	AvgRF	CCRF	% Dev		----------	
38	m	TRICHLOROETHYLENE	0.291	0.341	-17.2	105	0.00	10.98-11.29
39	m	1,2-DICHLOROPROPANE	0.199	0.182	8.5	80	0.00	10.71-11.12
40	m	BROMODICHLOROMETHANE	0.531	0.560	-5.5	97	0.00	10.95-11.26
		----------	True	Calc.	% Drift		----------	
41	m	2,2,4-TRIMETHYLPENTANE	10.000	8.813	11.9	88	0.00	10.96-11.37
42	m	1,4-DIOXANE	10.000	5.730	42.7#	55	0.00	10.87-11.40
43	m	HEPTANE	10.000	9.011	9.9	90	0.00	11.25-11.56
44	m	METHYL ISOBUTYL KETONE	10.000	6.312	36.9#	62	0.00	11.75-12.19
45	m	cis-1,3-DICHLOROPROPEN	10.000	8.684	13.2	87	0.00	11.75-12.16
46	m	TOLUENE	10.000	9.188	8.1	88	0.00	12.71-13.13
47	m	trans-1,3-DICHLOROPROP	10.000	9.218	7.8	93	0.00	12.30-12.61
		----------	AvgRF	CCRF	% Dev		----------	
48	m	1,1,2-TRICHLOROETHANE	0.198	0.196	1.0	90	0.00	12.46-12.82
49	I	CHLOROBENZENE-D5	1.000	1.000	0.0	103	0.00	14.54-14.85
		----------	True	Calc.	% Drift		----------	
50	m	2-HEXANONE	10.000	6.079	39.2#	60	0.00	12.94-13.34
51	m	TETRACHLOROETHYLENE	10.000	10.904	-9.0	120	0.00	13.84-14.26
		----------	AvgRF	CCRF	% Dev		----------	
52	m	DIBROMOCHLOROMETHANE	0.571	0.608	-6.5	99	0.00	13.16-13.52
		----------	True	Calc.	% Drift		----------	
53	m	1,2-DIBROMOETHANE	10.000	9.666	3.3	101	0.00	13.44-13.75
		----------	AvgRF	CCRF	% Dev		----------	
54	m	CHLOROBENZENE	0.633	0.667	-5.4	99	0.00	14.59-14.90
		----------	True	Calc.	% Drift		----------	
55	m	ETHYLBENZENE	10.000	9.746	2.5	95	0.00	14.94-15.30
56	m	m,p-XYLENE	20.000	19.648	1.8	100	0.00	15.14-15.50
57	m	o-XYLENE	10.000	10.072	-0.7	98	0.00	15.64-16.00
58	m	STYRENE	10.000	10.295	-2.9	111	0.00	15.54-15.85
59	m	NONANE	10.000	7.518	24.8	73	0.00	15.86-16.17
60	m	BROMOFORM	10.000	10.291	-2.9	107	0.00	15.26-15.57
		----------	AvgRF	CCRF	% Dev		----------	
61	S	4-BROMOFLUOROBENZENE	0.613	0.671	-9.5	105	0.00	16.16-16.47
62	m	1,1,2,2-TETRACHLOROETH	0.607	0.643	-5.9	100	0.00	15.65-15.96
		----------	True	Calc.	% Drift		----------	
63	m	ISOPROPYLBENZENE	10.000	9.807	1.9	99	0.00	16.31-16.62
64	m	2-CHLOROTOLUENE	10.000	9.564	4.4	101	0.00	16.80-17.22
65	m	4-ETHYLTOLUENE	10.000	10.577	-5.8	112	0.00	17.07-17.33
66	m	1,3,5-TRIMETHYLBENZENE	10.000	9.610	3.9	105	0.00	17.15-17.41

Continuing Calibration Summary

Job Number: M67337
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ235-CC235
Lab FileID: Q4488A.D

67	m	1,2,4-TRIMETHYLBENZENE	10.000	9.989	0.1	104	0.00	17.60-17.91
68	m	m-DICHLOROBENZENE	10.000	11.281	-12.8	130	0.00	17.77-18.10
69	m	BENZYL CHLORIDE	10.000	10.840	-8.4	126	0.00	17.76-18.06
70	m	p-DICHLOROBENZENE	10.000	12.027	-20.3	144	0.00	17.89-18.13
71	m	o-DICHLOROBENZENE	10.000	10.702	-7.0	114	0.00	18.24-18.55
72	m	HEXACHLOROBUTADIENE	10.000	12.422	-24.2	142	0.00	20.58-21.00
73	m	1,2,4-TRICHLOROBENZENE	10.000	15.372	-53.7#	187	0.00	20.09-20.50

			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
Q4484.D Q090407T.m Wed Sep 05 13:46:22 2007 RPT1

Initial Calibration Verification

Job Number: M67337
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ235-ICV235
Lab FileID: Q4488.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\Q4488.D Vial: 3
Acq On : 4 Sep 2007 5:27 pm Operator: danat
Sample : icv235-10 (M217) Inst : MAMSQ
Misc : MS14204, MSQ235,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\msdchem\1\METHODS\Q090407T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Tue Sep 04 16:25:31 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	106	0.00	8.42- 8.83
2	m	DICHLORODIFLUOROMETHAN	3.986	3.574	10.3	94	0.00	3.83- 4.24
3	m	PROPYLENE	0.751	0.633	15.7	87	0.00	3.76- 4.17
4	m	FREON 114	3.845	3.483	9.4	92	0.00	4.09- 4.50
5	m	CHLOROMETHANE	1.028	0.830	19.3	77	0.00	3.99- 4.41
6	m	VINYL CHLORIDE	1.147	1.022	10.9	85	0.00	4.21- 4.63
7	m	1,3-BUTADIENE	0.889	0.764	14.1	78	0.00	4.35- 4.77
8	m	BROMOMETHANE	1.243	1.151	7.4	95	0.00	4.63- 5.04
9	m	CHLOROETHANE	0.506	0.490	3.2	97	0.00	4.80- 5.21
10	m	TRICHLOROFLUOROMETHANE	3.842	3.489	9.2	94	0.00	5.58- 5.99
11	m	ISOPROPYL ALCOHOL	1.624	1.451	10.7	85	0.00	5.59- 6.06
12	m	ACETONE	1.800	1.249	30.6#	81	0.00	5.39- 5.80
13	m	PENTANE	1.193	1.007	15.6	82	0.00	5.98- 6.29
14	m	1,1-DICHLOROETHYLENE	1.139	1.147	-0.7	100	0.00	6.22- 6.63
15	m	CARBON DISULFIDE	3.512	3.365	4.2	99	0.00	6.65- 7.06
16	m	ETHANOL	0.401	0.329	18.0	86	0.00	4.86- 5.33
17	m	BROMOETHENE	1.082	1.099	-1.6	105	0.00	5.16- 5.57
		----------	True	Calc.	% Drift		----------	
18	m	METHYLENE CHLORIDE	10.000	8.860	11.4	102	0.00	6.39- 6.69
		----------	AvgRF	CCRF	% Dev		----------	
19	m	3-CHLOROPROPENE	1.019	0.971	4.7	87	0.00	6.45- 6.86
20	m	FREON 113	2.162	2.146	0.7	106	0.00	6.59- 7.00
21	m	TRANS-1,2-DICHLOROETHY	1.094	1.134	-3.7	104	0.00	7.26- 7.67
22	m	TERTIARY BUTYL ALCOHOL	1.825	1.948	-6.7	92	0.00	6.17- 6.68
23	m	METHYL TERTIARY BUTYL	2.210	2.077	6.0	87	0.00	7.50- 7.91
		----------	True	Calc.	% Drift		----------	
24	m	TETRAHYDROFURAN	10.000	6.750	32.5#	69	0.00	8.99- 9.28
		----------	AvgRF	CCRF	% Dev		----------	
25	m	HEXANE	1.469	1.439	2.0	88	0.00	8.46- 8.87
26	m	VINYL ACETATE	1.831	1.643	10.3	74	0.00	7.60- 7.96
27	m	1,1-DICHLOROETHANE	2.090	1.994	4.6	89	0.00	7.45- 7.87
28	m	METHYL ETHYL KETONE	1.647	1.461	11.3	77	0.00	7.78- 8.27
		----------	True	Calc.	% Drift		----------	
29	m	cis-1,2-DICHLOROETHYLE	10.000	9.383	6.2	101	0.00	8.26- 8.67
		----------	AvgRF	CCRF	% Dev		----------	
30	m	ETHYL ACETATE	2.721	2.416	11.2	79	0.00	8.44- 8.87

Initial Calibration Verification

Job Number: M67337
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ235-ICV235
Lab FileID: Q4488.D

31	m	CHLOROFORM	2.612	2.601	0.4	100	0.00	8.54- 8.95
32	m	1,1,1-TRICHLOROETHANE	2.503	2.554	-2.0	99	0.00	9.50- 9.91
33	m	CARBON TETRACHLORIDE	2.937	3.106	-5.8	105	0.00	10.08-10.49
34	m	1,2-DICHLOROETHANE	1.494	1.437	3.8	86	0.00	9.25- 9.66
35	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	100	0.00	10.25-10.66
		----------	True	Calc.	% Drift		----------	
36	m	BENZENE	10.000	9.239	7.6	85	0.00	9.94-10.35
37	m	CYCLOHEXANE	10.000	10.211	-2.1	100	0.00	10.20-10.61
		----------	AvgRF	CCRF	% Dev		----------	
38	m	TRICHLOROETHYLENE	0.291	0.341	-17.2	105	0.00	10.98-11.29
39	m	1,2-DICHLOROPROPANE	0.199	0.182	8.5	80	0.00	10.71-11.12
40	m	BROMODICHLOROMETHANE	0.531	0.560	-5.5	97	0.00	10.95-11.26
		----------	True	Calc.	% Drift		----------	
41	m	2,2,4-TRIMETHYLPENTANE	10.000	8.813	11.9	88	0.00	10.96-11.37
42	m	1,4-DIOXANE	10.000	5.730	42.7#	55	0.00	10.87-11.40
43	m	HEPTANE	10.000	9.011	9.9	90	0.00	11.25-11.56
44	m	METHYL ISOBUTYL KETONE	10.000	6.312	36.9#	62	0.00	11.75-12.19
45	m	cis-1,3-DICHLOROPROPEN	10.000	8.684	13.2	87	0.00	11.75-12.16
46	m	TOLUENE	10.000	9.188	8.1	88	0.00	12.71-13.13
47	m	trans-1,3-DICHLOROPROP	10.000	9.218	7.8	93	0.00	12.30-12.61
		----------	AvgRF	CCRF	% Dev		----------	
48	m	1,1,2-TRICHLOROETHANE	0.198	0.196	1.0	90	0.00	12.46-12.82
49	I	CHLOROBENZENE-D5	1.000	1.000	0.0	103	0.00	14.54-14.85
		----------	True	Calc.	% Drift		----------	
50	m	2-HEXANONE	10.000	6.079	39.2#	60	0.00	12.94-13.34
51	m	TETRACHLOROETHYLENE	10.000	10.904	-9.0	120	0.00	13.84-14.26
		----------	AvgRF	CCRF	% Dev		----------	
52	m	DIBROMOCHLOROMETHANE	0.571	0.608	-6.5	99	0.00	13.16-13.52
		----------	True	Calc.	% Drift		----------	
53	m	1,2-DIBROMOETHANE	10.000	9.666	3.3	101	0.00	13.44-13.75
		----------	AvgRF	CCRF	% Dev		----------	
54	m	CHLOROBENZENE	0.633	0.667	-5.4	99	0.00	14.59-14.90
		----------	True	Calc.	% Drift		----------	
55	m	ETHYLBENZENE	10.000	9.746	2.5	95	0.00	14.94-15.30
56	m	m,p-XYLENE	20.000	19.648	1.8	100	0.00	15.14-15.50
57	m	o-XYLENE	10.000	10.072	-0.7	98	0.00	15.64-16.00
58	m	STYRENE	10.000	10.295	-2.9	111	0.00	15.54-15.85
59	m	NONANE	10.000	7.518	24.8	73	0.00	15.86-16.17
60	m	BROMOFORM	10.000	10.291	-2.9	107	0.00	15.26-15.57
		----------	AvgRF	CCRF	% Dev		----------	
61	S	4-BROMOFLUOROBENZENE	0.613	0.671	-9.5	105	0.00	16.16-16.47
62	m	1,1,2,2-TETRACHLOROETH	0.607	0.643	-5.9	100	0.00	15.65-15.96
		----------	True	Calc.	% Drift		----------	
63	m	ISOPROPYLBENZENE	10.000	9.807	1.9	99	0.00	16.31-16.62
64	m	2-CHLOROTOLUENE	10.000	9.564	4.4	101	0.00	16.80-17.22
65	m	4-ETHYLTOLUENE	10.000	10.577	-5.8	112	0.00	17.07-17.33
66	m	1,3,5-TRIMETHYLBENZENE	10.000	9.610	3.9	105	0.00	17.15-17.41

Initial Calibration Verification

Job Number: M67337
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ235-ICV235
Lab FileID: Q4488.D

67	m	1,2,4-TRIMETHYLBENZENE	10.000	9.989	0.1	104	0.00	17.60-17.91
68	m	m-DICHLOROBENZENE	10.000	11.281	-12.8	130	0.00	17.77-18.10
69	m	BENZYL CHLORIDE	10.000	10.863	-8.6	126	0.00	17.76-18.06
70	m	p-DICHLOROBENZENE	10.000	12.027	-20.3	144	0.00	17.89-18.13
71	m	o-DICHLOROBENZENE	10.000	10.702	-7.0	114	0.00	18.24-18.55
72	m	HEXACHLOROBUTADIENE	10.000	12.422	-24.2	142	0.00	20.58-21.00
73	m	1,2,4-TRICHLOROBENZENE	10.000	15.372	-53.7#	187	0.00	20.09-20.50

			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
Q4484.D Q090407T.m Wed Sep 05 13:39:35 2007 RPT1

GC/MS Volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4493.D
Acq On : 4 Sep 2007 9:01 pm
Operator : danat
Sample : m67337-1 (M031)
Misc : MS14236, MSQ235,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 05 13:58:25 2007
Quant Method : C:\msdchem\1\METHODS\Q090407T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Sep 04 16:25:31 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.630	128	275678	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.454	114	1221711	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.696	117	969142	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.318	95	244237	4.11	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 82.20%

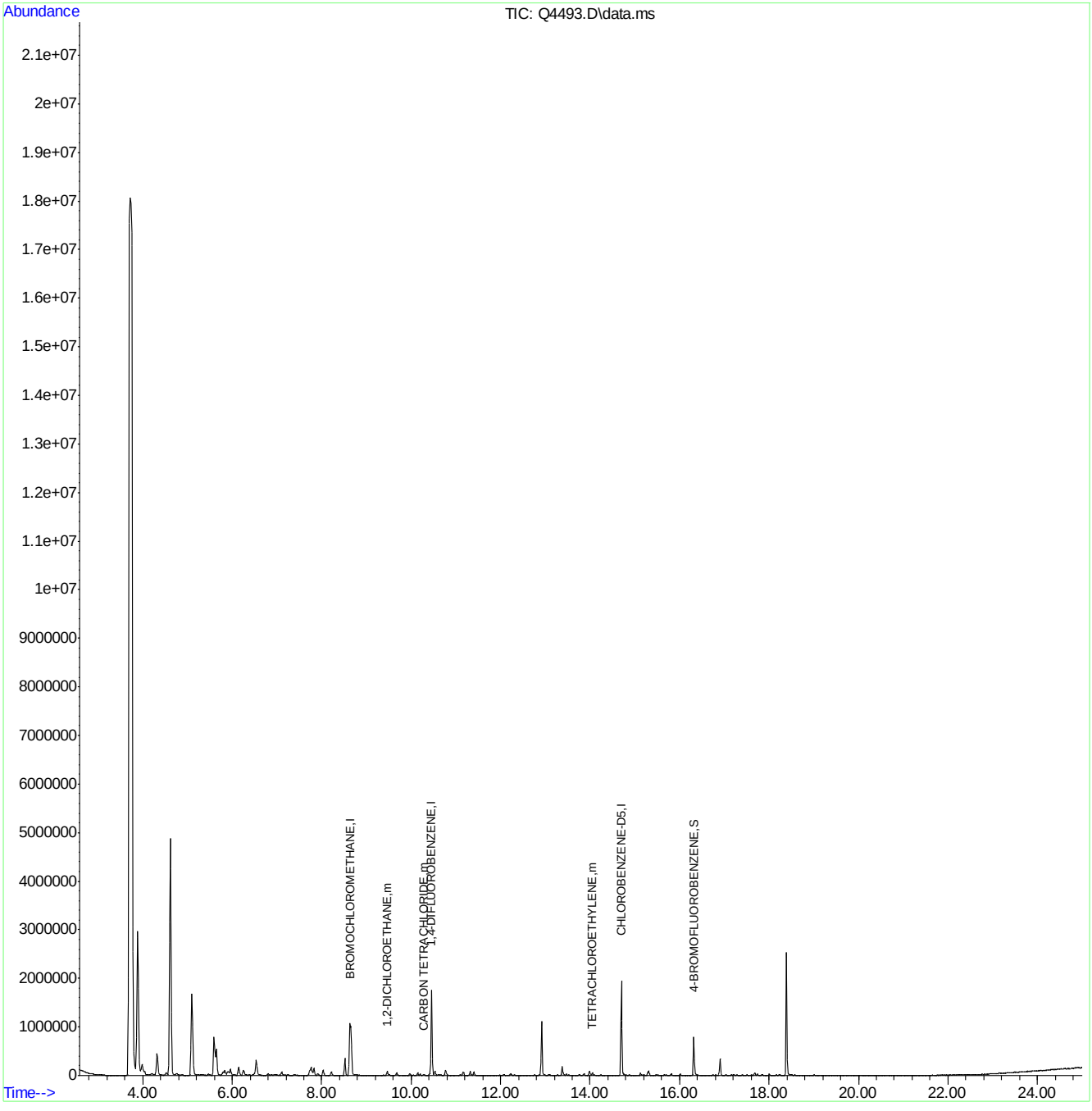
Target Compounds						Qvalue
33) CARBON TETRACHLORIDE	10.287	117	9004	0.11	PPBV	98
34) 1,2-DICHLOROETHANE	9.460	62	31800	0.77	PPBV	97
51) TETRACHLOROETHYLENE	14.048	164	11716	0.89	PPBV	95

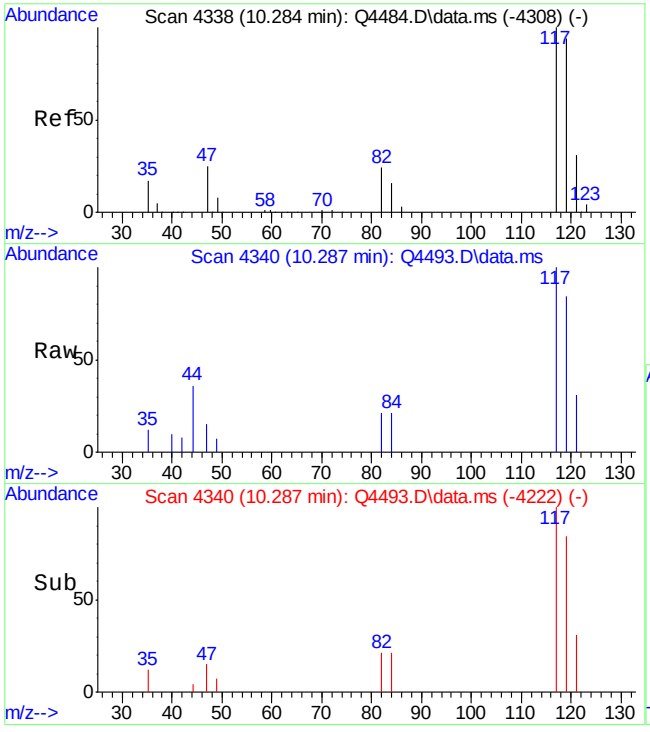
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4493.D
Acq On : 4 Sep 2007 9:01 pm
Operator : danat
Sample : m67337-1 (M031)
Misc : MS14236, MSQ235,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 05 13:58:25 2007
Quant Method : C:\msdchem\1\METHODS\Q090407T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Sep 04 16:25:31 2007
Response via : Initial Calibration

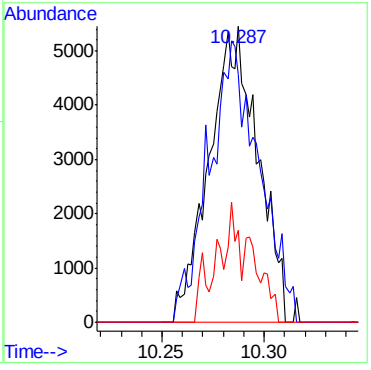


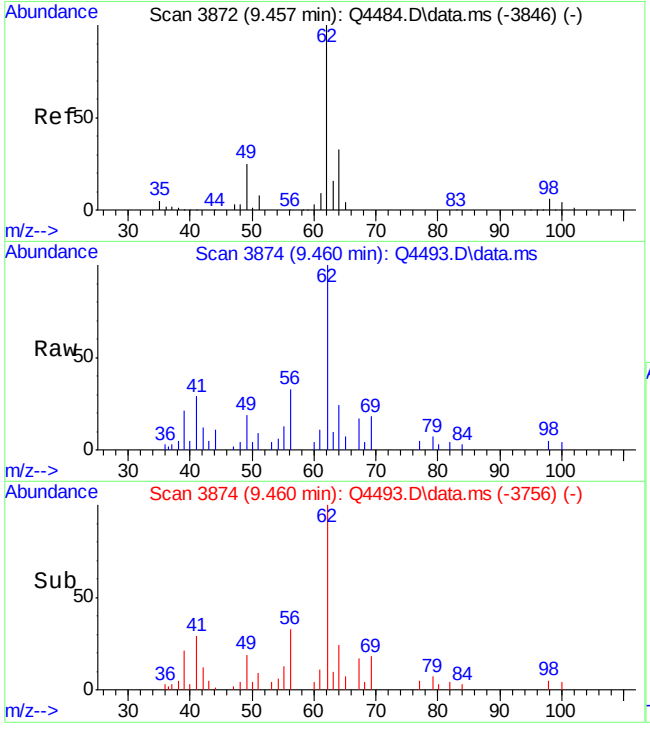


#33
CARBON TETRACHLORIDE
Concen: 0.11 PPBV
RT: 10.287 min Scan# 4340
Delta R.T. 0.004 min
Lab File: Q4493.D
Acq: 4 Sep 2007 9:01 pm

Tgt Ion:117 Resp: 9004

Ion	Ratio	Lower	Upper
117	100		
119	97.7	76.2	116.2
121	29.0	10.9	50.9

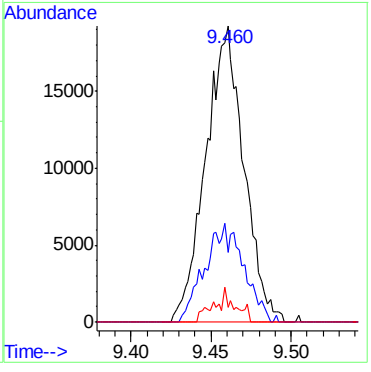


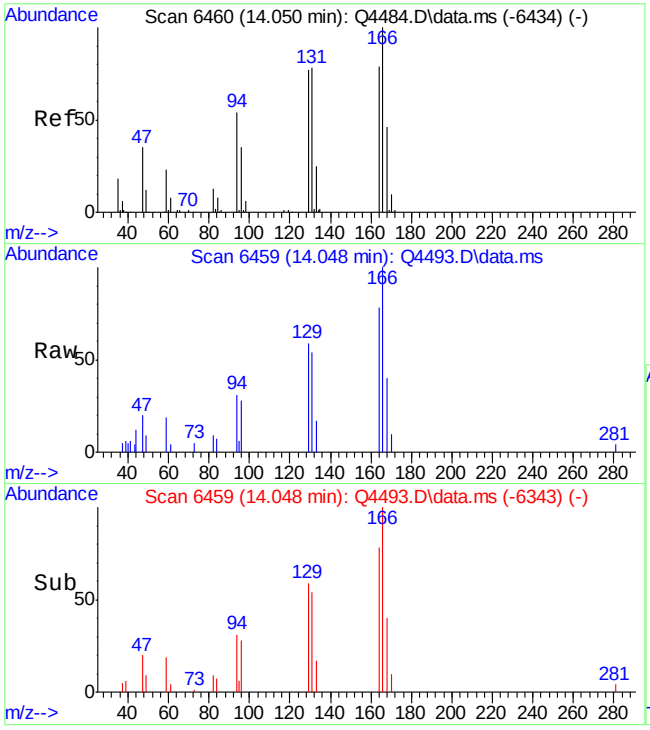


#34
1,2-DICHLOROETHANE
Concen: 0.77 PPBV
RT: 9.460 min Scan# 3874
Delta R.T. 0.004 min
Lab File: Q4493.D
Acq: 4 Sep 2007 9:01 pm

Tgt Ion: 62 Resp: 31800

Ion	Ratio	Lower	Upper
62	100		
64	33.9	12.0	52.0
98	6.1	0.0	26.0

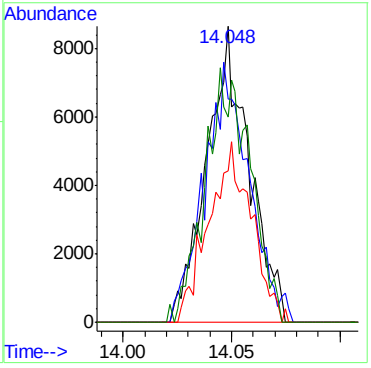




#51
TETRACHLOROETHYLENE
Concen: 0.89 PPBV
RT: 14.048 min Scan# 6459
Delta R.T. -0.001 min
Lab File: Q4493.D
Acq: 4 Sep 2007 9:01 pm

Tgt Ion:164 Resp: 11716

Ion	Ratio	Lower	Upper
164	100		
129	92.6	81.2	121.2
168	61.1	40.7	80.7
131	92.0	77.3	117.3



ACCUTEST Laboratories M67337

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4494.D
Acq On : 4 Sep 2007 9:42 pm
Operator : danat
Sample : m67337-2 (M165)
Misc : MS14236, MSQ235,,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 05 13:59:39 2007
Quant Method : C:\msdchem\1\METHODS\Q090407T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Sep 04 16:25:31 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.628	128	305873	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.454	114	1386592	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.698	117	1130748	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.318	95	291684	4.21	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 84.20%

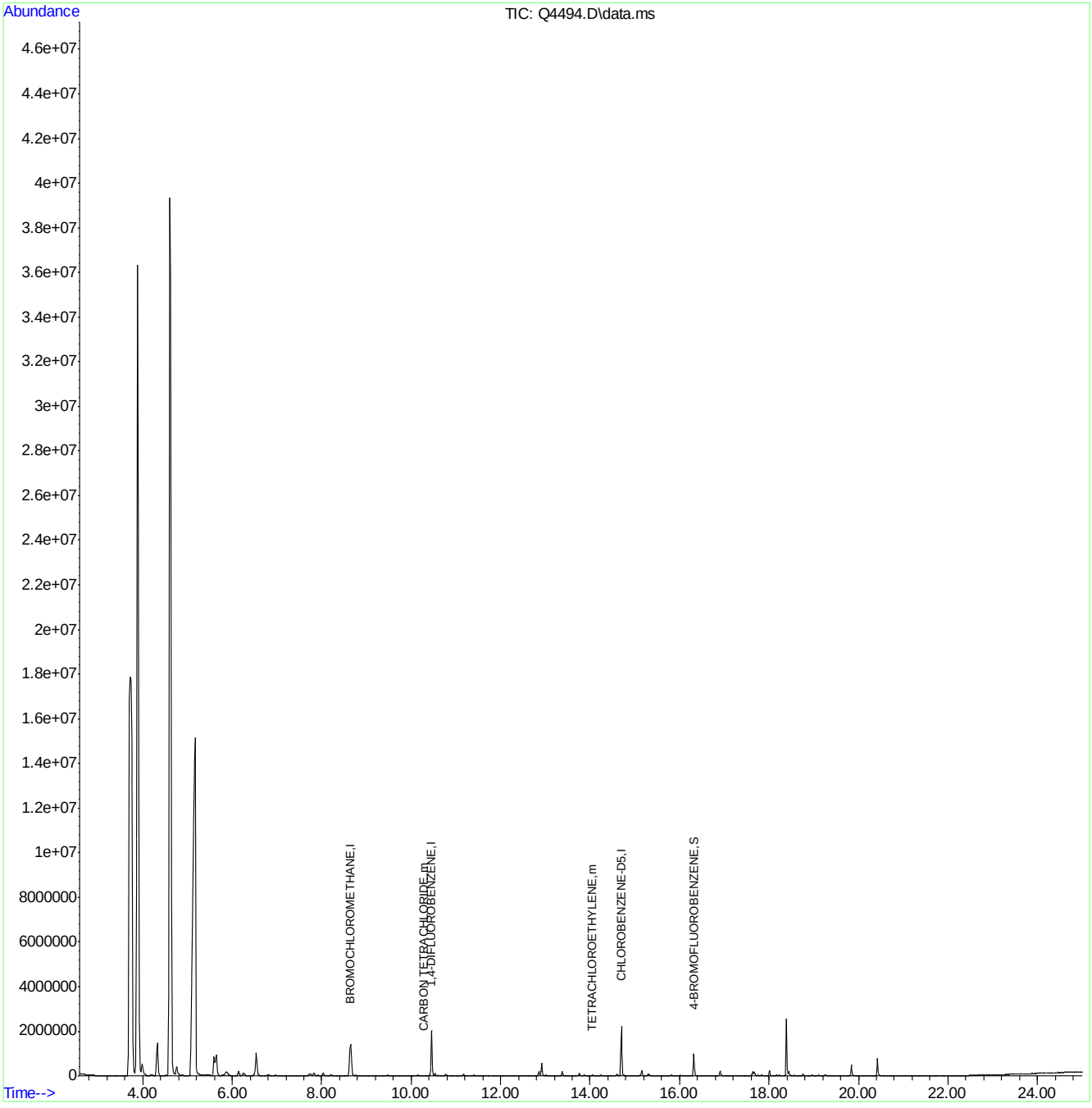
Target Compounds						Qvalue
33) CARBON TETRACHLORIDE	10.286	117	8657	0.10	PPBV	94
51) TETRACHLOROETHYLENE	14.054	164	5040	0.67	PPBV	94

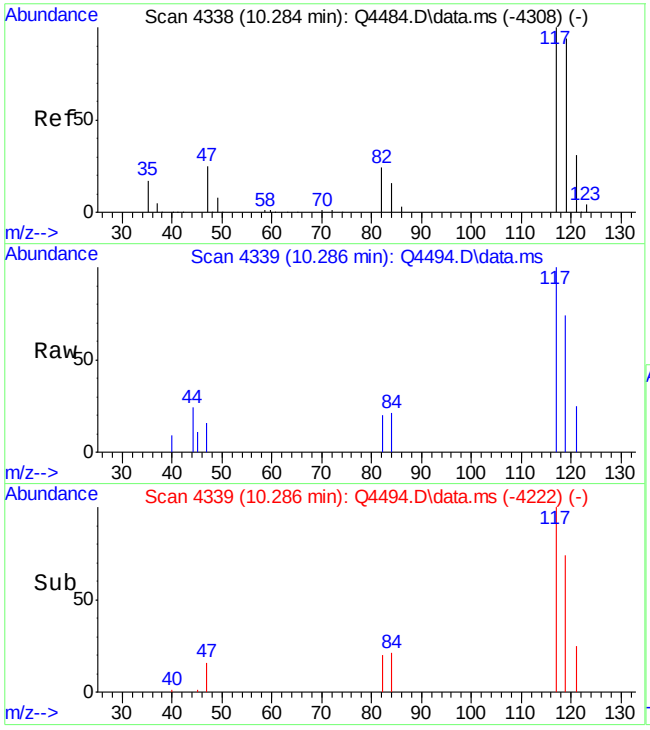
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4494.D
Acq On : 4 Sep 2007 9:42 pm
Operator : danat
Sample : m67337-2 (M165)
Misc : MS14236, MSQ235,,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 05 13:59:39 2007
Quant Method : C:\msdchem\1\METHODS\Q090407T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Sep 04 16:25:31 2007
Response via : Initial Calibration

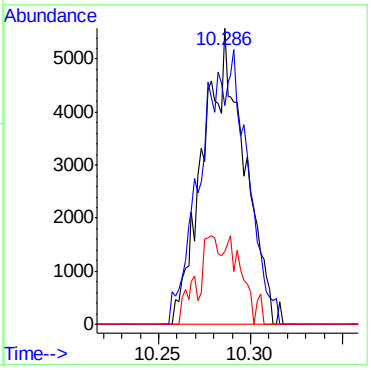


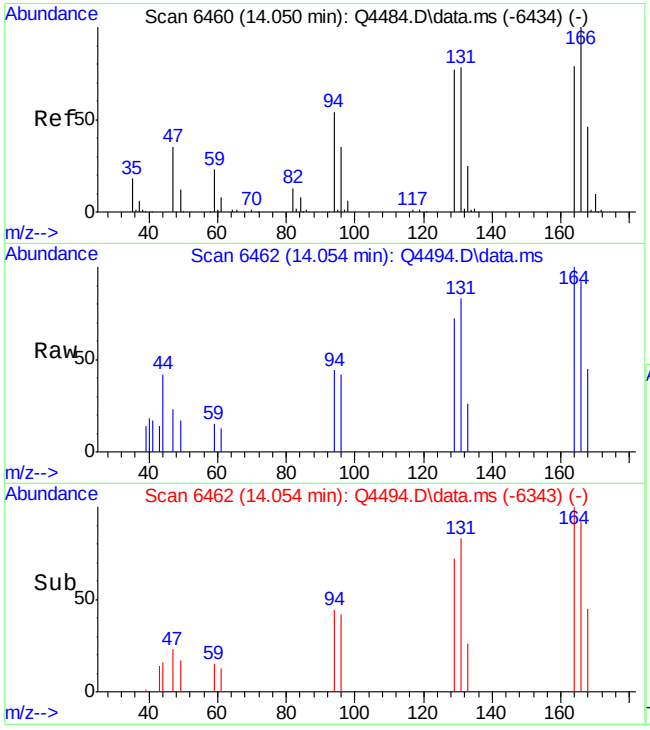


#33
CARBON TETRACHLORIDE
Concen: 0.10 PPBV
RT: 10.286 min Scan# 4339
Delta R.T. 0.002 min
Lab File: Q4494.D
Acq: 4 Sep 2007 9:42 pm

Tgt Ion:117 Resp: 8657

Ion	Ratio	Lower	Upper
117	100		
119	104.4	76.2	116.2
121	30.5	10.9	50.9

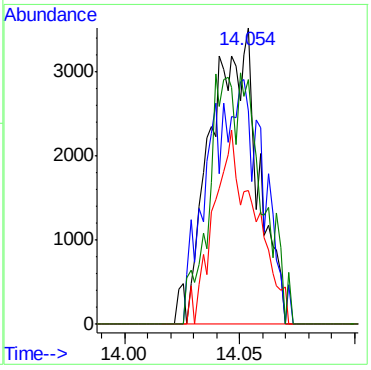




#51
TETRACHLOROETHYLENE
Concen: 0.67 PPBV
RT: 14.054 min Scan# 6462
Delta R.T. 0.005 min
Lab File: Q4494.D
Acq: 4 Sep 2007 9:42 pm

Tgt Ion:164 Resp: 5040

Ion	Ratio	Lower	Upper
164	100		
129	93.7	81.2	121.2
168	57.2	40.7	80.7
131	91.0	77.3	117.3



Manual Integrations
APPROVED
(compounds with "m" flag)
Doug Yargeau
09/05/07 15:11

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4490.D
Acq On : 4 Sep 2007 6:54 pm
Operator : danat
Sample : mb (M113)
Misc : MS14204, MSQ235,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 05 13:48:09 2007
Quant Method : C:\msdchem\1\METHODS\Q090407T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Sep 04 16:25:31 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.628	128	260688	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.454	114	1140458	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.700	117	827386m	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.322	95	178283	3.52	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 70.40%

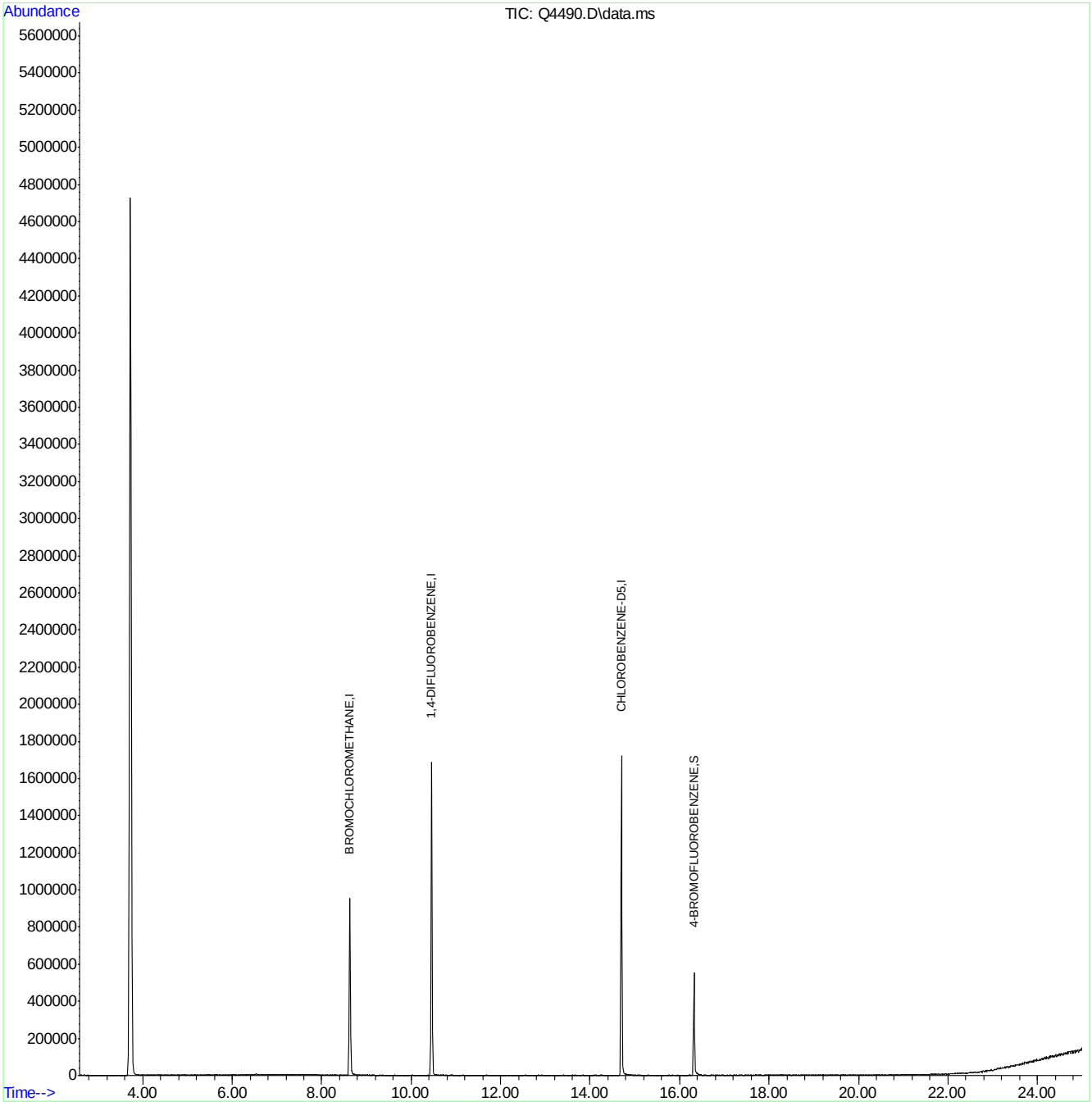
Target Compounds	Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4490.D
Acq On : 4 Sep 2007 6:54 pm
Operator : danat
Sample : mb (M113)
Misc : MS14204, MSQ235,,,,,1
ALS Vial : 4 Sample Multiplier: 1

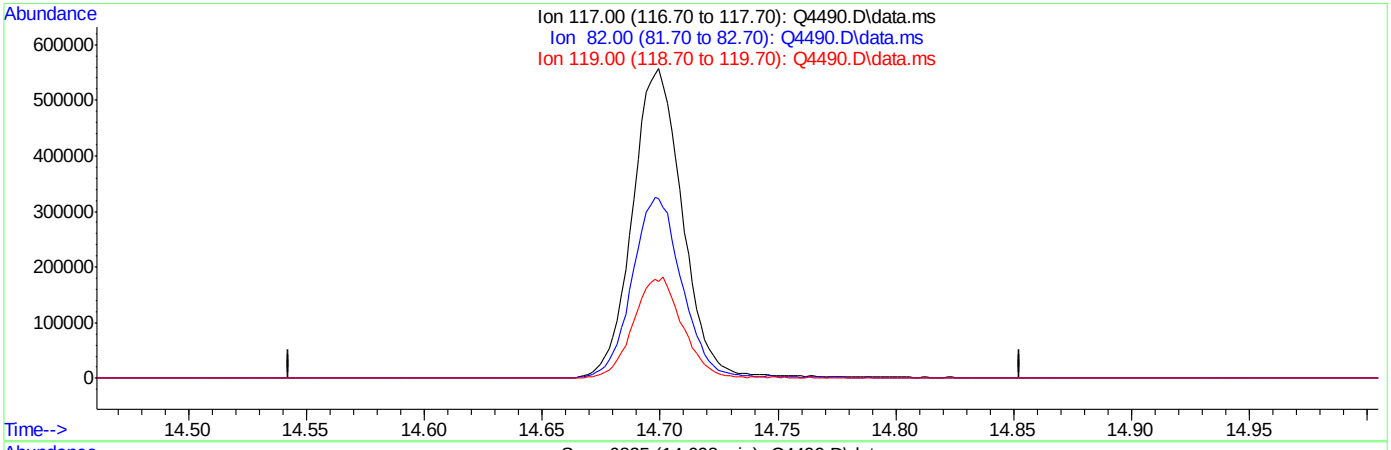
Quant Time: Sep 05 13:48:09 2007
Quant Method : C:\msdchem\1\METHODS\Q090407T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Sep 04 16:25:31 2007
Response via : Initial Calibration

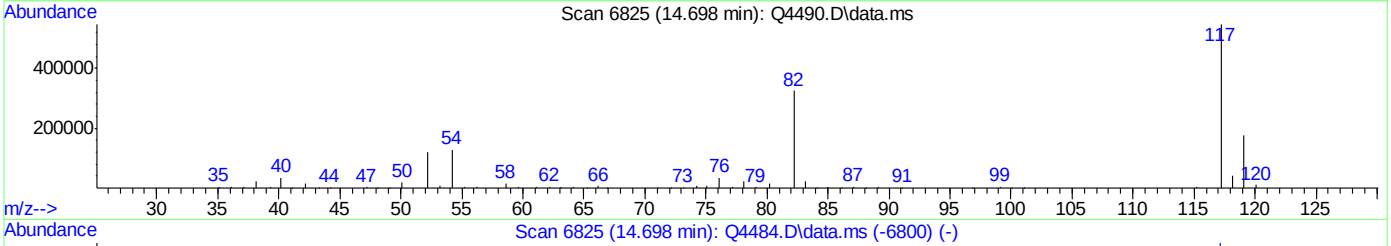


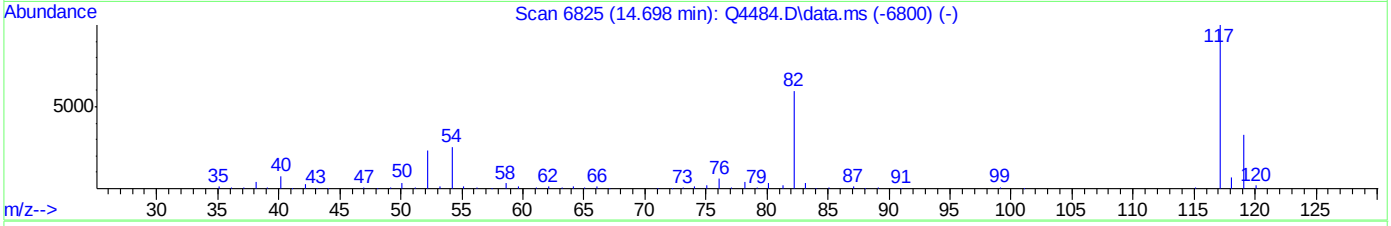
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4490.D
Acq On : 4 Sep 2007 6:54 pm
Operator : danat
Sample : mb (M113)
Misc : MS14204, MSQ235,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 05 08:50:31 2007
Quant Method : C:\msdchem\1\METHODS\Q090407T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Sep 04 16:25:31 2007
Response via : Initial Calibration







TIC: Q4490.D\data.ms

(49) CHLOROBENZENE-D5 (I)

14.698min (-14.698) 0.00PPBV

response 0

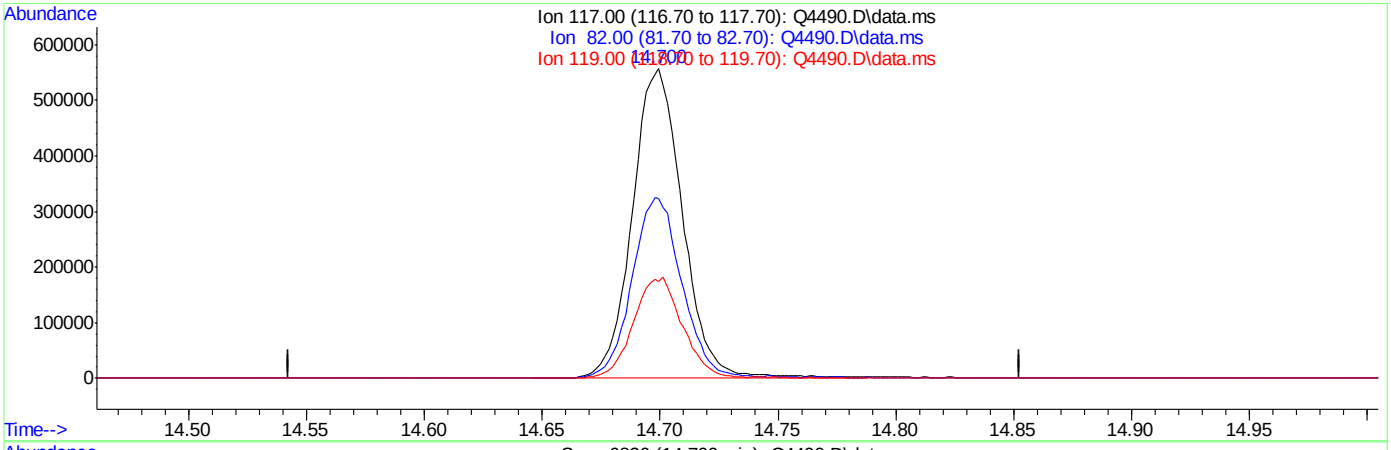
Ion	Exp%	Act%
117.00	100	0.00
82.00	59.90	0.00#
119.00	31.80	0.00#
0.00	0.00	0.00

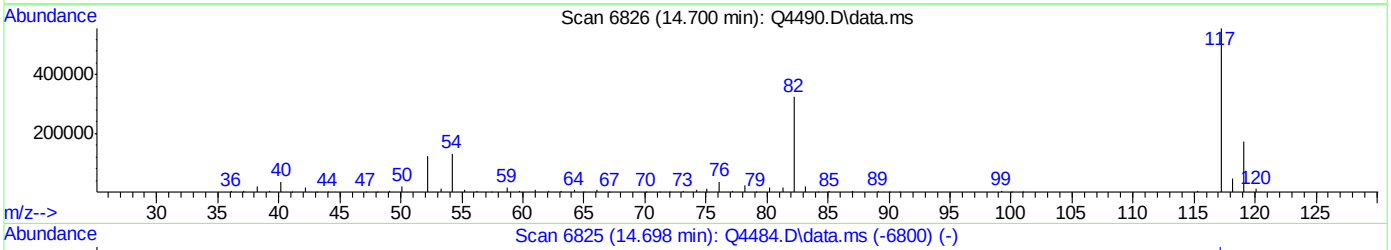
ACCUTEST Laboratories M67337

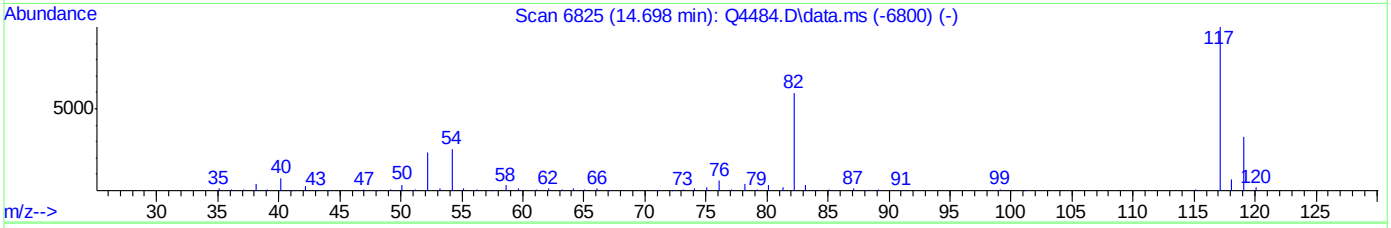
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4490.D
Acq On : 4 Sep 2007 6:54 pm
Operator : danat
Sample : mb (M113)
Misc : MS14204, MSQ235,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 05 08:50:31 2007
Quant Method : C:\msdchem\1\METHODS\Q090407T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Sep 04 16:25:31 2007
Response via : Initial Calibration







TIC: Q4490.D\data.ms

(49) CHLOROBENZENE-D5 (I)

14.700min (+0.002) 10.00PPBV m

response 827386

Ion	Exp%	Act%
117.00	100	100
82.00	59.90	0.00#
119.00	31.80	0.00#
0.00	0.00	0.00

ACCUTEST Laboratories M67337

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

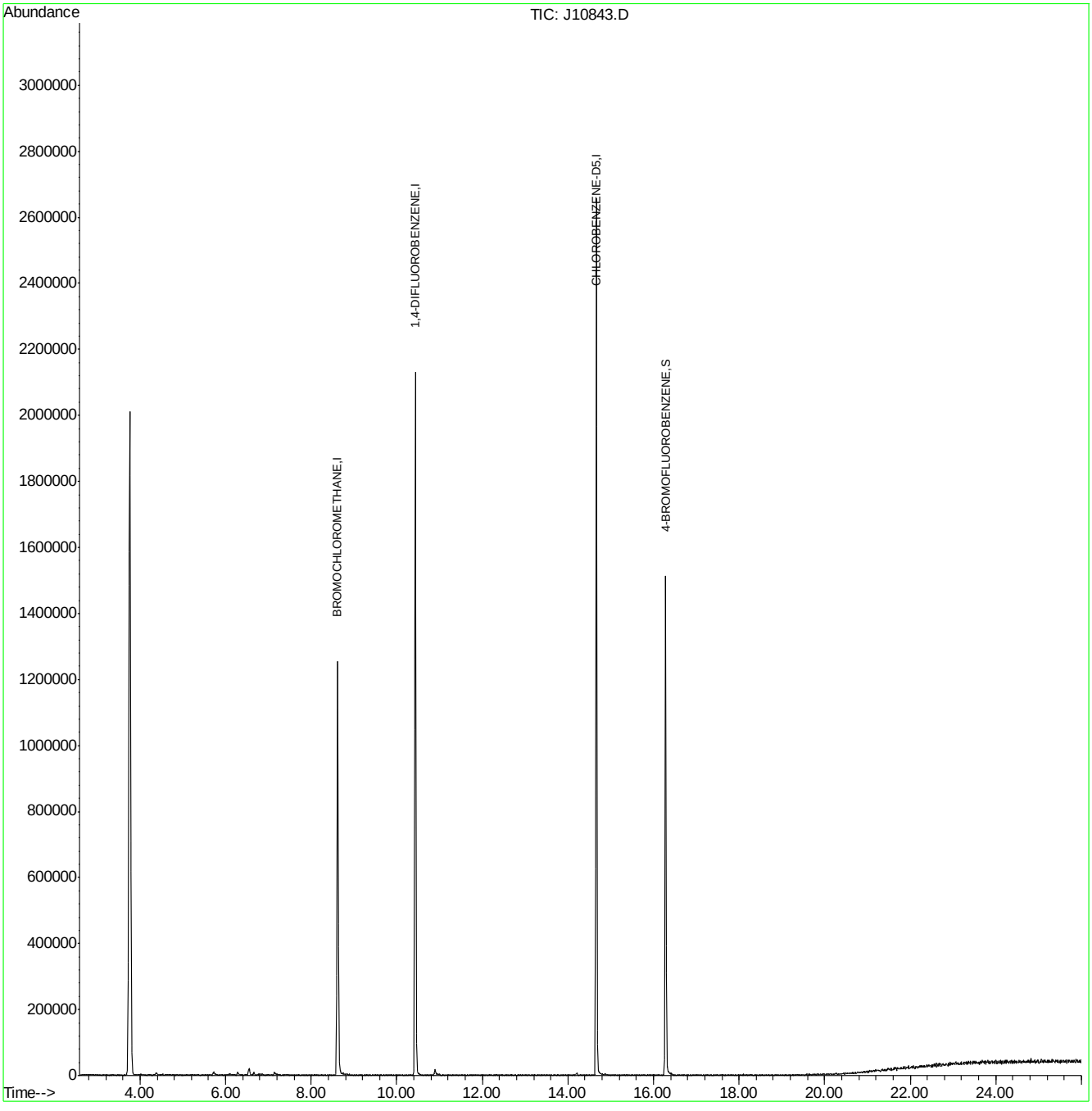
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ACCUTEST Laboratories M67337

Quantitation Report (QT Reviewed)

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

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



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : 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%

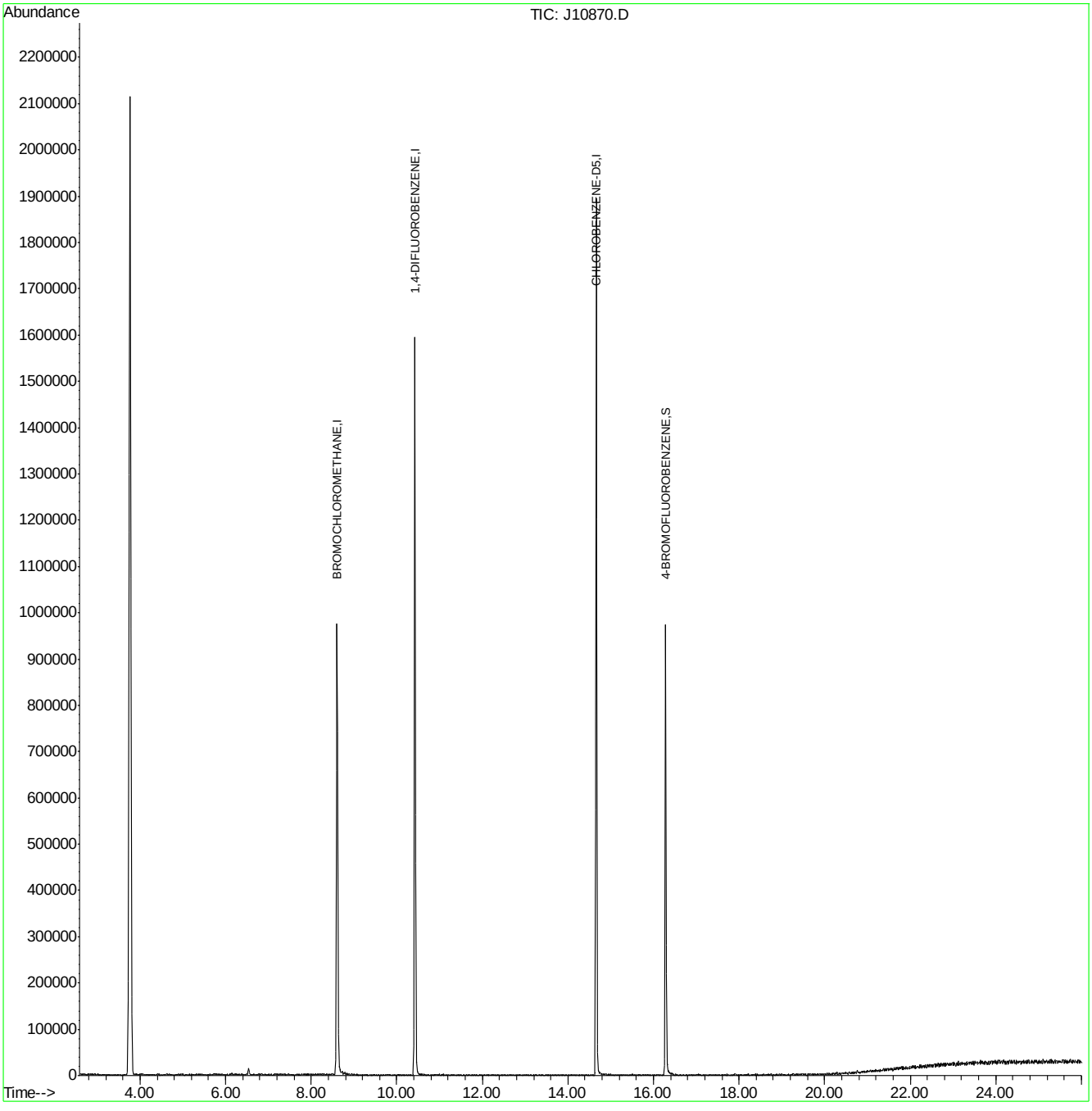
Target Compounds Qvalue

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

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

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
09/05/07 15:11

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4488b.D
Acq On : 4 Sep 2007 5:27 pm
Operator : danat
Sample : bs (M217)
Misc : MS14204, MSQ235,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 05 13:47:07 2007
Quant Method : C:\msdchem\1\METHODS\Q090407T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Sep 04 16:25:31 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.628	128	289743	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.454	114	1342350	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.698	117	1072731	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.316	95	359996	5.48	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 109.60%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.037	85	1035534	8.97	PPBV	100
3) PROPYLENE	3.966	41	183458	8.43	PPBV	92
4) FREON 114	4.296	85	1009228	9.06	PPBV	97
5) CHLOROMETHANE	4.200	50	240562	8.08	PPBV	96
6) VINYL CHLORIDE	4.420	62	296003	8.90	PPBV	99
7) 1,3-BUTADIENE	4.560	39	221391	8.59	PPBV	98
8) BROMOMETHANE	4.835	94	333568	9.26	PPBV	99
9) CHLOROETHANE	5.006	64	141984	9.68	PPBV	97
10) TRICHLOROFLUOROMETHANE	5.788	101	1010951	9.08	PPBV	100
11) ISOPROPYL ALCOHOL	5.824	45	420560	8.94	PPBV	92
12) ACETONE	5.595	43	361776	6.94	PPBV	99
13) PENTANE	6.138	42	291883	8.45	PPBV	96
14) 1,1-DICHLOROETHYLENE	6.425	96	332252	10.07	PPBV	92
15) CARBON DISULFIDE	6.855	76	975105	9.58	PPBV	96
16) ETHANOL	5.094	45	95236	8.20	PPBV	98
17) BROMOETHENE	5.368	106	318350	10.15	PPBV	98
18) METHYLENE CHLORIDE	6.537	84	300067	8.86	PPBV	91
19) 3-CHLOROPROPENE	6.653	39	281238	9.53	PPBV	97
20) FREON 113	6.793	151	621671	9.92	PPBV	95
21) TRANS-1,2-DICHLOROETHY...	7.464	96	328426	10.36	PPBV	95
22) TERTIARY BUTYL ALCOHOL	6.424	59	564558	10.68	PPBV	99
23) METHYL TERTIARY BUTYL ...	7.705	73	601875	9.40	PPBV	97
24) TETRAHYDROFURAN	9.136	42	192703	6.75	PPBV	88
25) HEXANE	8.662	57	416963	9.80	PPBV	99
26) VINYL ACETATE	7.780	43	475940	8.97	PPBV	94
27) 1,1-DICHLOROETHANE	7.661	63	577868	9.54	PPBV	99
28) METHYL ETHYL KETONE	8.025	43	423394	8.87	PPBV	95
29) cis-1,2-DICHLOROETHYLENE	8.466	96	290109	9.38	PPBV	91
30) ETHYL ACETATE	8.656	43	700096	8.88	PPBV	99
31) CHLOROFORM	8.749	83	753753	9.96	PPBV	98
32) 1,1,1-TRICHLOROETHANE	9.703	97	739936	10.20	PPBV	98
33) CARBON TETRACHLORIDE	10.286	117	899797	10.57	PPBV	100
34) 1,2-DICHLOROETHANE	9.457	62	416483	9.62	PPBV	99
36) BENZENE	10.142	78	744008	9.24	PPBV	97
37) CYCLOHEXANE	10.406	84	383124	10.21	PPBV	93
38) TRICHLOROETHYLENE	11.139	95	458067	11.73	PPBV	97
39) 1,2-DICHLOROPROPANE	10.916	63	243919	9.15	PPBV	96
40) BROMODICHLOROMETHANE	11.100	83	751939	10.54	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.164	57	1374961	8.81	PPBV	98
42) 1,4-DIOXANE	11.132	88	87315	5.73	PPBV #	58
43) HEPTANE	11.400	43	487991	9.01	PPBV	91

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4488b.D
Acq On : 4 Sep 2007 5:27 pm
Operator : danat
Sample : bs (M217)
Misc : MS14204, MSQ235,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 05 13:47:07 2007
Quant Method : C:\msdchem\1\METHODS\Q090407T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Sep 04 16:25:31 2007
Response via : Initial Calibration

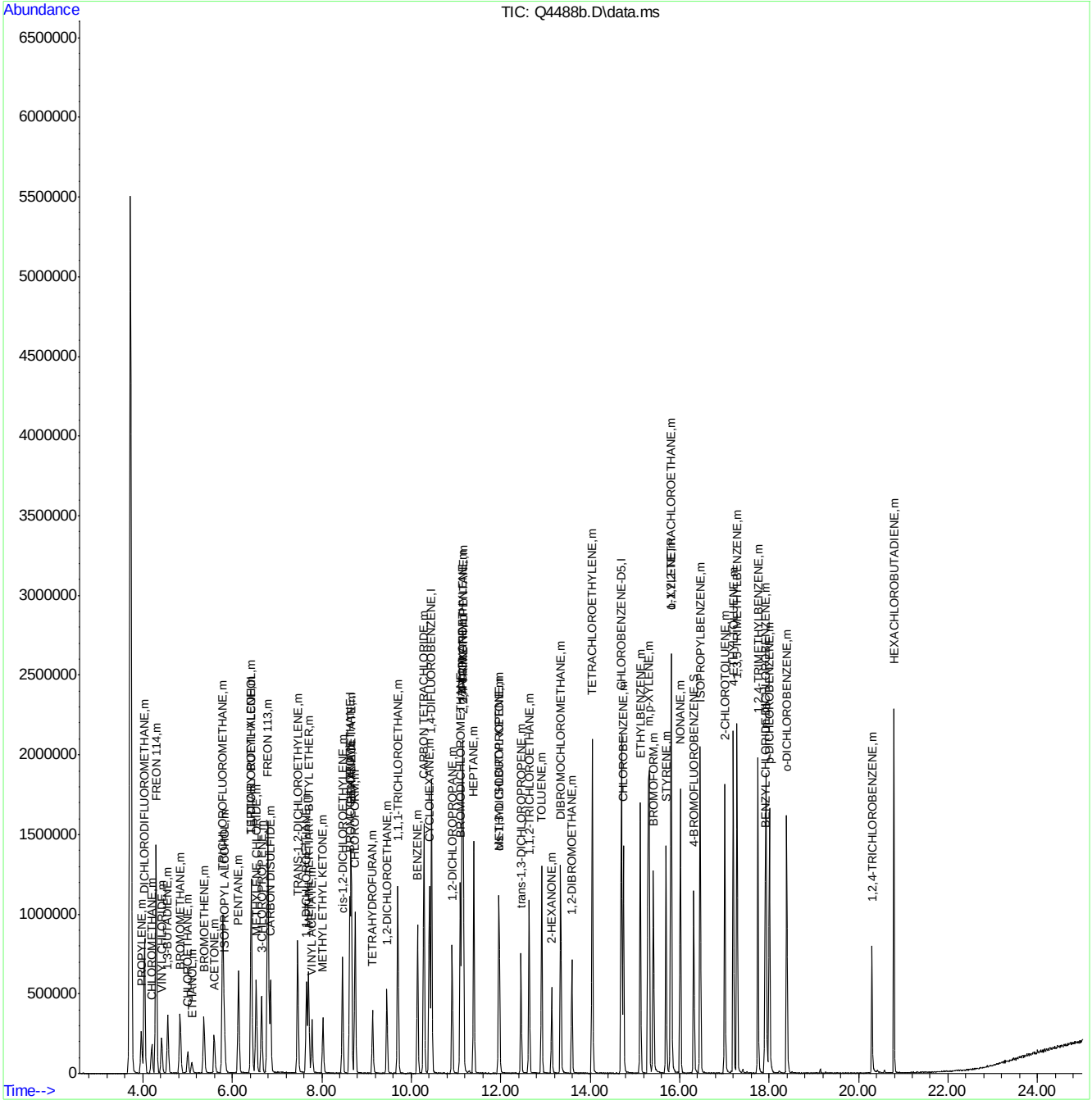
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.970	43	426658	6.31	PPBV	95
45) cis-1,3-DICHLOROPROPENE	11.956	75	370328	8.68	PPBV	91
46) TOLUENE	12.919	92	480394	9.19	PPBV	96
47) trans-1,3-DICHLOROPROPENE	12.454	75	347778	9.22	PPBV	97
48) 1,1,2-TRICHLOROETHANE	12.637	83	263527	9.92	PPBV	98
50) 2-HEXANONE	13.141	43	323524	6.08	PPBV	97
51) TETRACHLOROETHYLENE	14.050	164	438317	10.90	PPBV	96
52) DIBROMOCHLOROMETHANE	13.342	129	651715	10.64	PPBV	100
53) 1,2-DIBROMOETHANE	13.594	107	440119	9.67	PPBV	100
54) CHLOROBENZENE	14.742	112	715633	10.53	PPBV	99
55) ETHYLBENZENE	15.122	91	1091996	9.75	PPBV	100
56) m,p-XYLENE	15.317	106	877058	19.65	PPBV	96
57) o-XYLENE	15.816	106	436349	10.07	PPBV	99
58) STYRENE	15.697	104	604909	10.30	PPBV	98
59) NONANE	16.018	43	571003	7.52	PPBV	96
60) BROMOFORM	15.413	173	601229	10.29	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.802	83	690182	10.60	PPBV	99
63) ISOPROPYLBENZENE	16.460	105	1306584	9.81	PPBV	100
64) 2-CHLOROTOLUENE	17.010	91	949796	9.56	PPBV	98
65) 4-ETHYLTOLUENE	17.200	105	1248246	10.58	PPBV	100
66) 1,3,5-TRIMETHYLBENZENE	17.284	105	1140426	9.61	PPBV	100
67) 1,2,4-TRIMETHYLBENZENE	17.750	105	1006391	9.99	PPBV	99
68) m-DICHLOROBENZENE	17.933	146	665195	11.28	PPBV	99
69) BENZYL CHLORIDE	17.910	91	730000m	10.84	PPBV	
70) p-DICHLOROBENZENE	18.008	146	655101	12.03	PPBV	98
71) o-DICHLOROBENZENE	18.396	146	589389	10.70	PPBV	99
72) HEXACHLOROBUTADIENE	20.790	225	346773	12.42	PPBV	100
73) 1,2,4-TRICHLOROBENZENE	20.299	180	219346	15.37	PPBV	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4488b.D
Acq On : 4 Sep 2007 5:27 pm
Operator : danat
Sample : bs (M217)
Misc : MS14204, MSQ235,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 05 13:47:07 2007
Quant Method : C:\msdchem\1\METHODS\Q090407T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Sep 04 16:25:31 2007
Response via : Initial Calibration

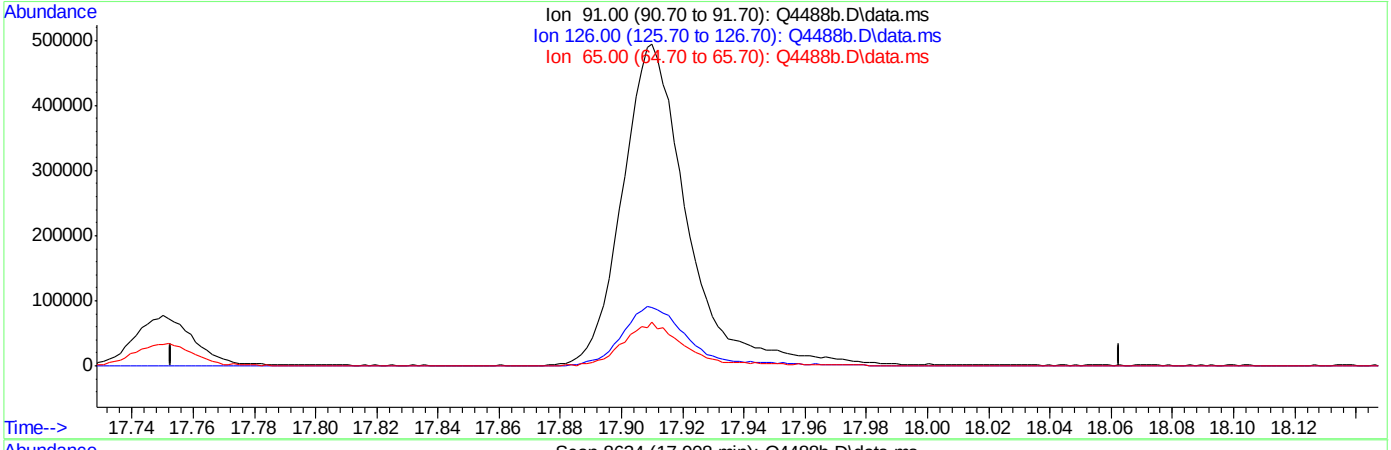


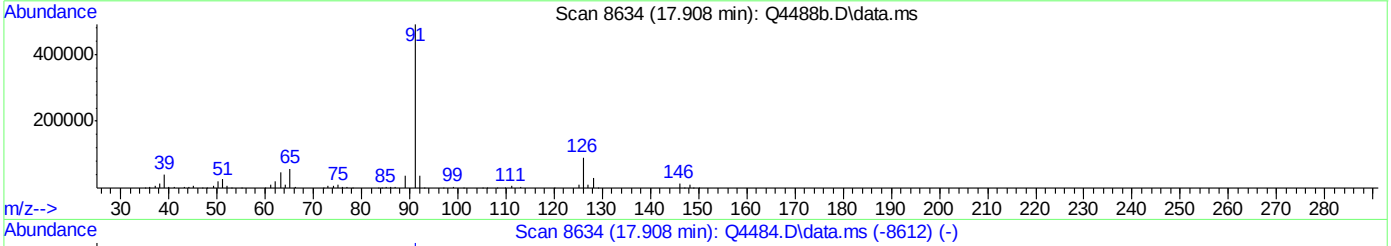
ACCUTEST Laboratories
M67337

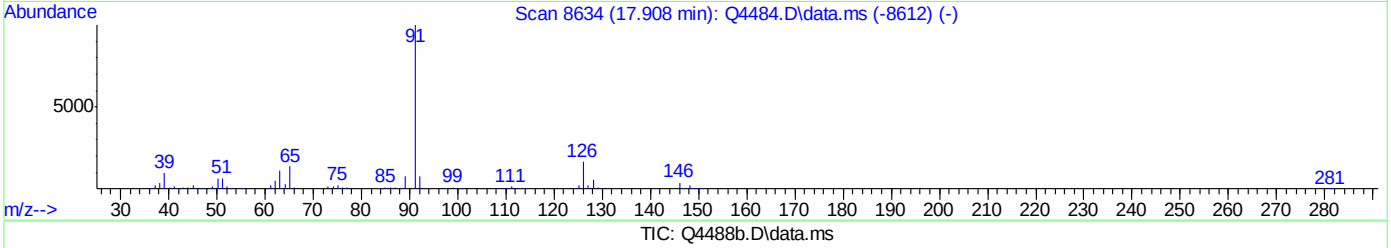
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4488b.D
Acq On : 4 Sep 2007 5:27 pm
Operator : danat
Sample : bs (M217)
Misc : MS14204, MSQ235,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 04 17:53:53 2007
Quant Method : C:\msdchem\1\METHODS\Q090407T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Sep 04 16:25:31 2007
Response via : Initial Calibration







TIC: Q4488b.D\data.ms

(69) BENZYL CHLORIDE (m)

17.908min (-17.908) 0.00PPBV

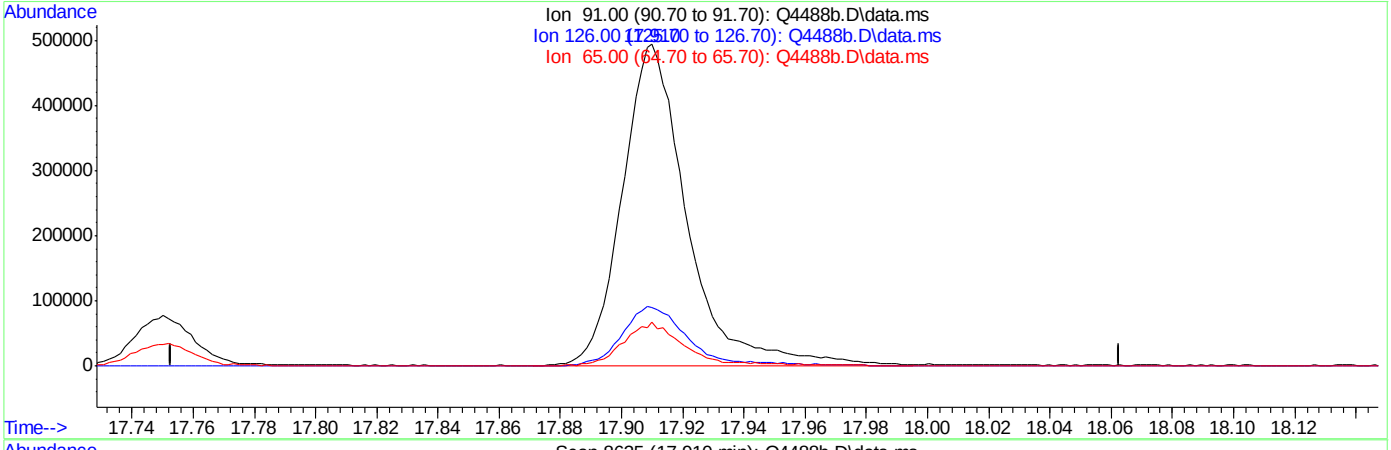
response 0

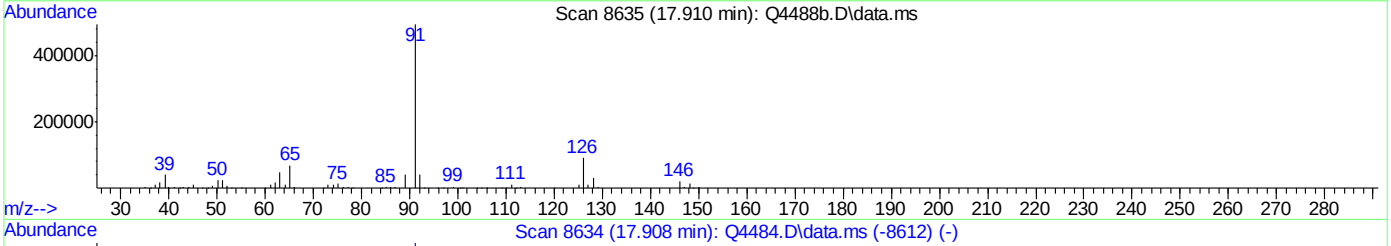
Ion	Exp%	Act%
91.00	100	0.00
126.00	17.50	0.00
65.00	13.40	0.00
0.00	0.00	0.00

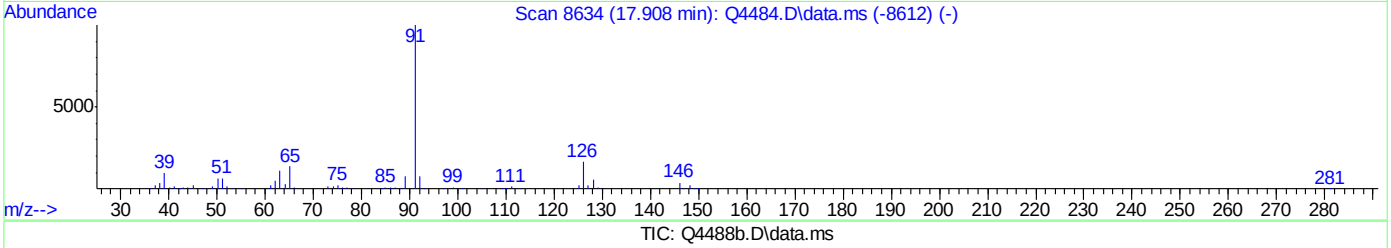
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4488b.D
Acq On : 4 Sep 2007 5:27 pm
Operator : danat
Sample : bs (M217)
Misc : MS14204, MSQ235,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 04 17:53:53 2007
Quant Method : C:\msdchem\1\METHODS\Q090407T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Sep 04 16:25:31 2007
Response via : Initial Calibration







TIC: Q4488b.D\data.ms

(69) BENZYL CHLORIDE (m)

17.910min (+0.002) 10.84PPBV m

response 730000

Ion	Exp%	Act%
91.00	100	100
126.00	17.50	0.00
65.00	13.40	0.00
0.00	0.00	0.00

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

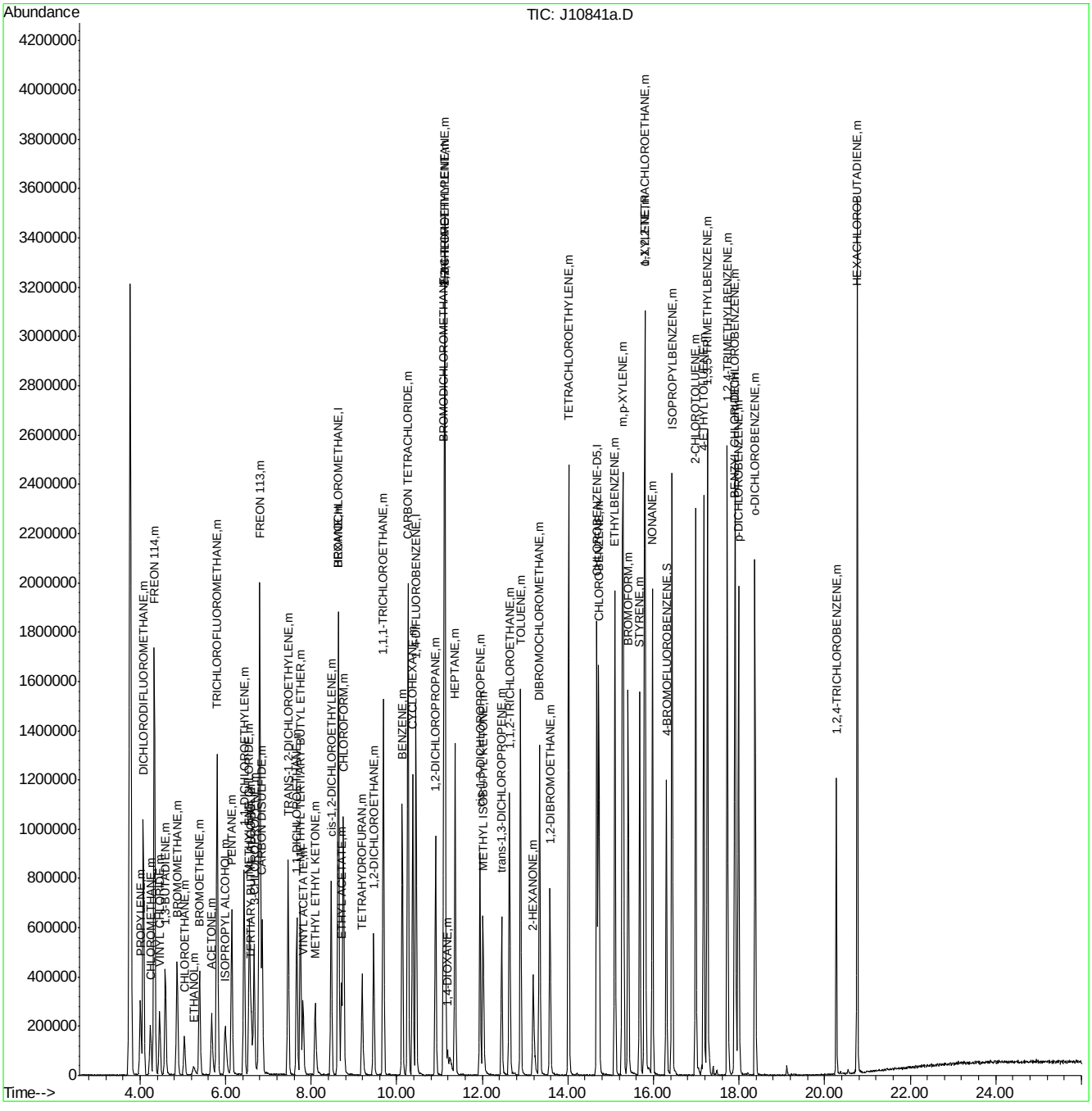
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.01	43	539941	15.25	PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.94	75	468418	13.44	PPBV	99
46) TOLUENE	12.89	92	670460	17.30	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.45	75	367062	10.82	PPBV	100
48) 1,1,2-TRICHLOROETHANE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



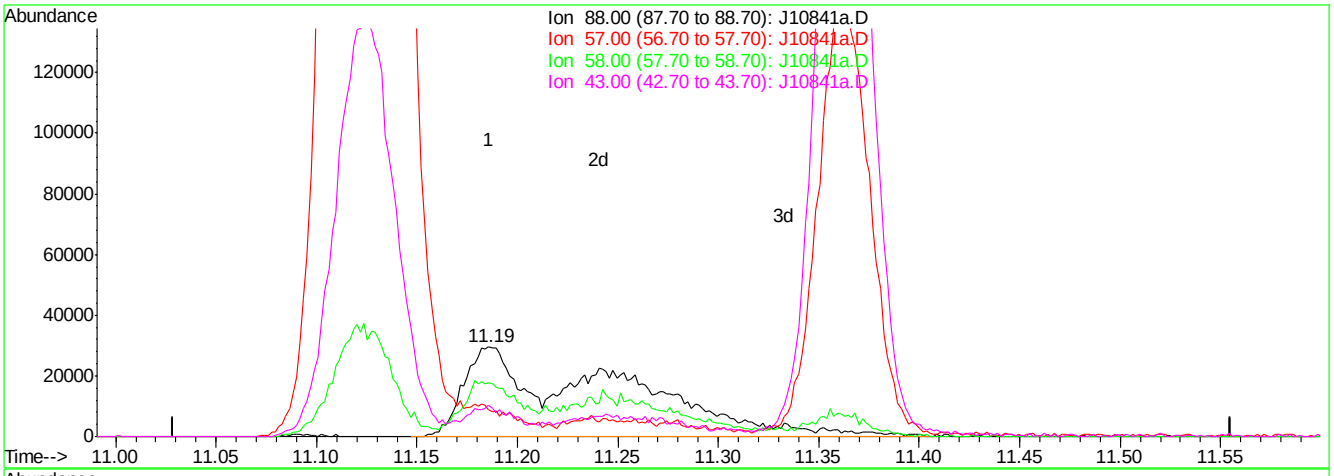
ACCUTEST Laboratories
M67337

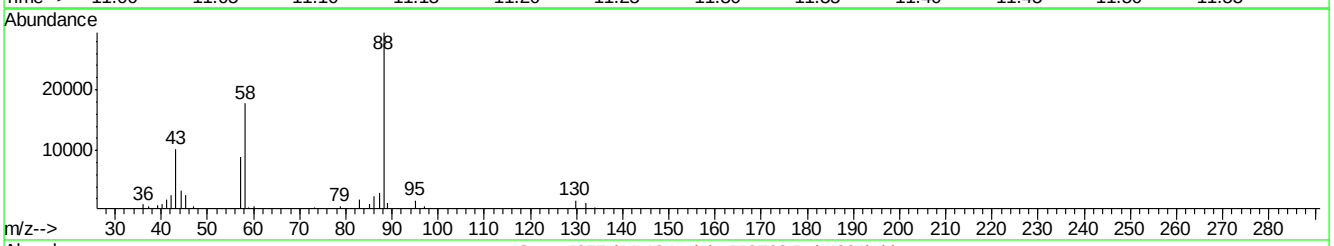
Quantitation Report (Qedit)

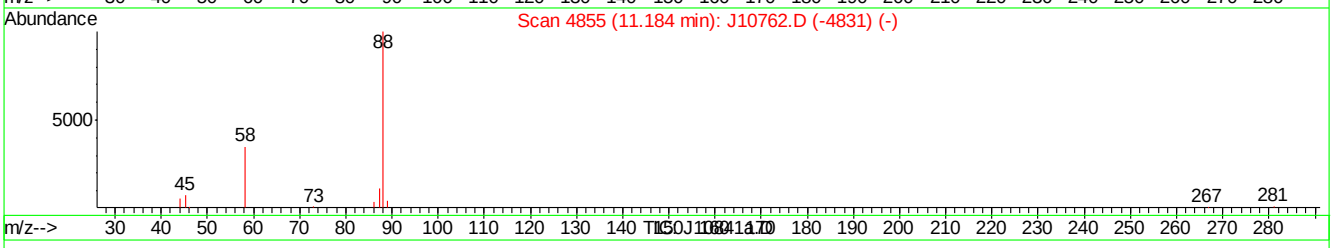
Data File : C:\MSDCHEM\1\DATA\J10841a.D Vial: 1
Acq On : 3 Jul 2007 11:46 am Operator: danat
Sample : bs (M080) Inst : MSJ
Misc : MS13762, MSJ561,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

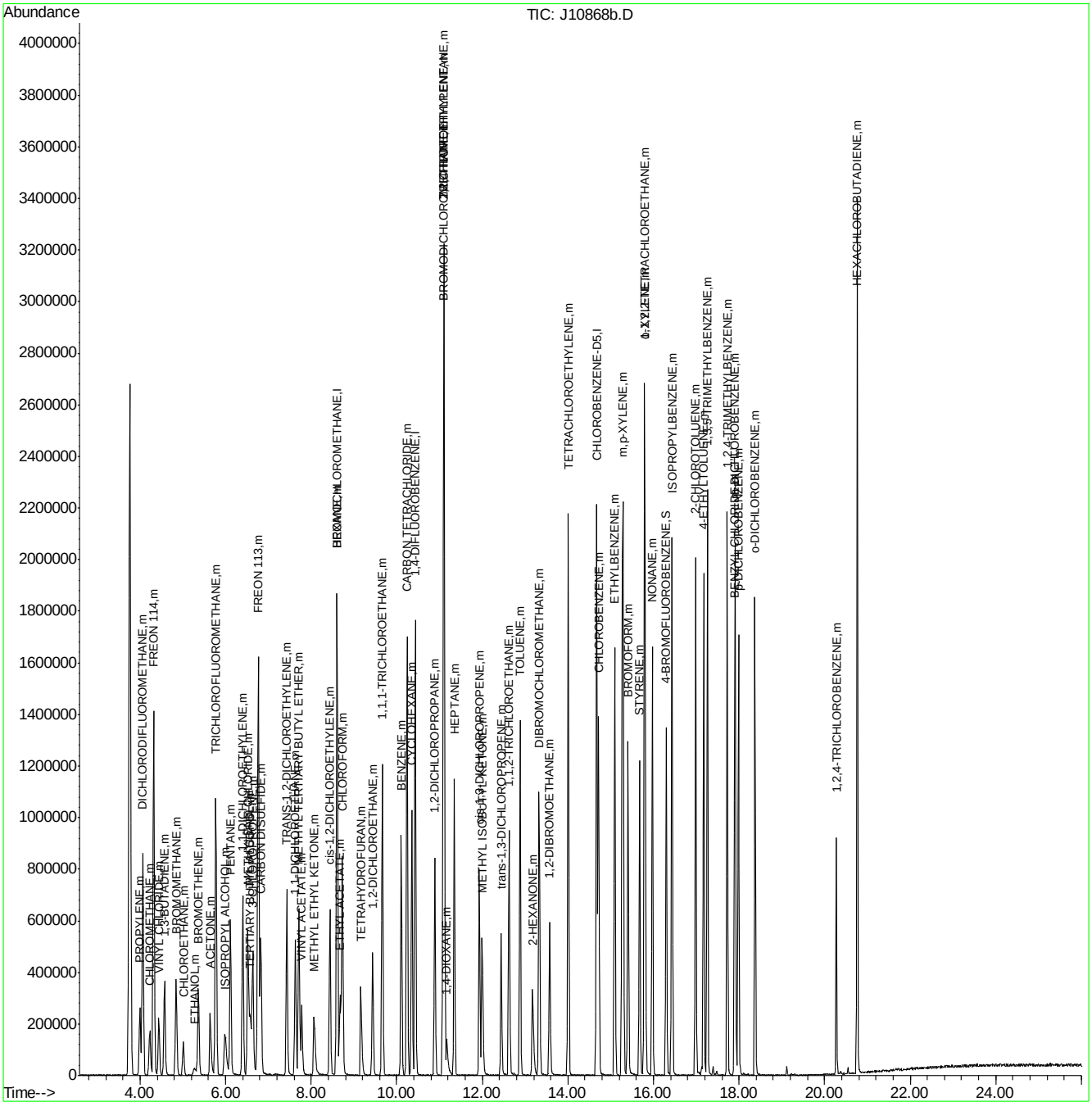
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.99	43	470043	10.33	PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.93	75	407474	10.95	PPBV	98
46) TOLUENE	12.88	92	578281	11.03	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.44	75	315716	9.17	PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.62	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



ACCUTEST Laboratories M67337

Manual Integrations
APPROVED
(compounds with "m" flag)
Doug Yargeau
09/05/07 15:11

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4492.D
Acq On : 4 Sep 2007 8:19 pm
Operator : danat
Sample : m67405-1dup (M095)
Misc : MS14236, MSQ235,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 05 13:56:57 2007
Quant Method : C:\msdchem\1\METHODS\Q090407T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Sep 04 16:25:31 2007
Response via : Initial Calibration

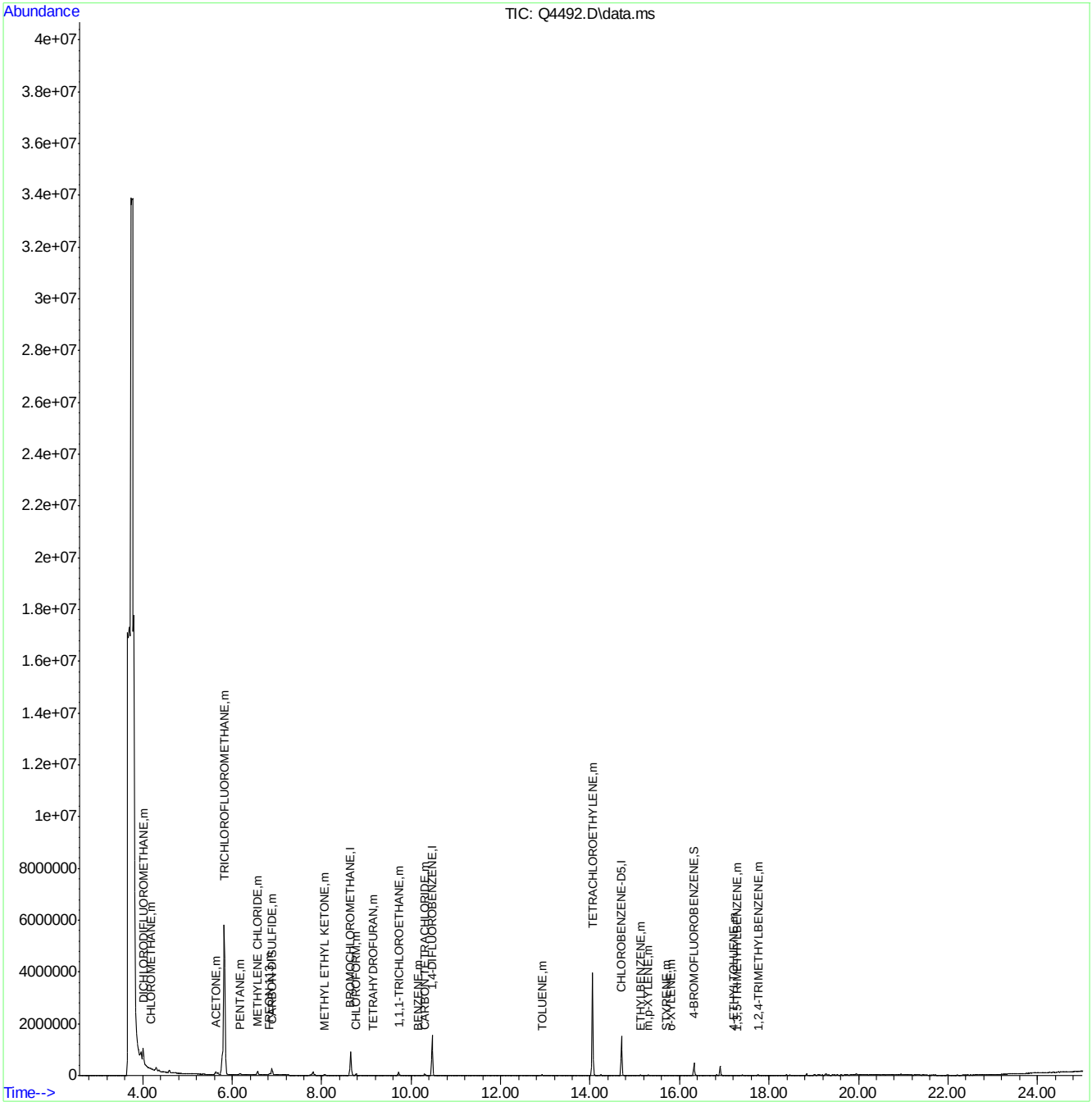
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.649	128	233035	10.00	PPBV	0.02
35) 1,4-DIFLUOROBENZENE	10.468	114	993246	10.00	PPBV	0.01
49) CHLOROBENZENE-D5	14.701	117	720057	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.322	95	144789	3.28	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 65.60%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.008	85	597327	6.43	PPBV	99
5) CHLOROMETHANE	4.184	50	16351	0.68	PPBV	92
10) TRICHLOROFLUOROMETHANE	5.820	101	6247073	69.77	PPBV	99
12) ACETONE	5.634	43	150169	3.58	PPBV	98
13) PENTANE	6.175	42	18304	0.66	PPBV	97
15) CARBON DISULFIDE	6.885	76	436883	5.34	PPBV	96
18) METHYLENE CHLORIDE	6.568	84	70305	2.68	PPBV	90
20) FREON 113	6.836	151	11540	0.23	PPBV	92
24) TETRAHYDROFURAN	9.166	42	2719	0.73	PPBV #	75
28) METHYL ETHYL KETONE	8.058	43	24810	0.65	PPBV	97
31) CHLOROFORM	8.766	83	35465	0.58	PPBV	98
32) 1,1,1-TRICHLOROETHANE	9.718	97	70386	1.21	PPBV	98
33) CARBON TETRACHLORIDE	10.298	117	26137	0.38	PPBV	99
36) BENZENE	10.156	78	4423	0.52	PPBV	84
46) TOLUENE	12.919	92	13029	0.95	PPBV #	81
51) TETRACHLOROETHYLENE	14.052	164	769416	24.58	PPBV	96
55) ETHYLBENZENE	15.120	91	11322	0.78	PPBV	92
56) m,p-XYLENE	15.296	106	4746	1.49	PPBV	94
57) o-XYLENE	15.811	106	1804	0.56	PPBV #	74
58) STYRENE	15.699	104	5870	1.00	PPBV	95
65) 4-ETHYLTOLUENE	17.200	105	2595m	0.72	PPBV	
66) 1,3,5-TRIMETHYLBENZENE	17.282	105	2541	0.80	PPBV	84
67) 1,2,4-TRIMETHYLBENZENE	17.750	105	8899	0.97	PPBV	94

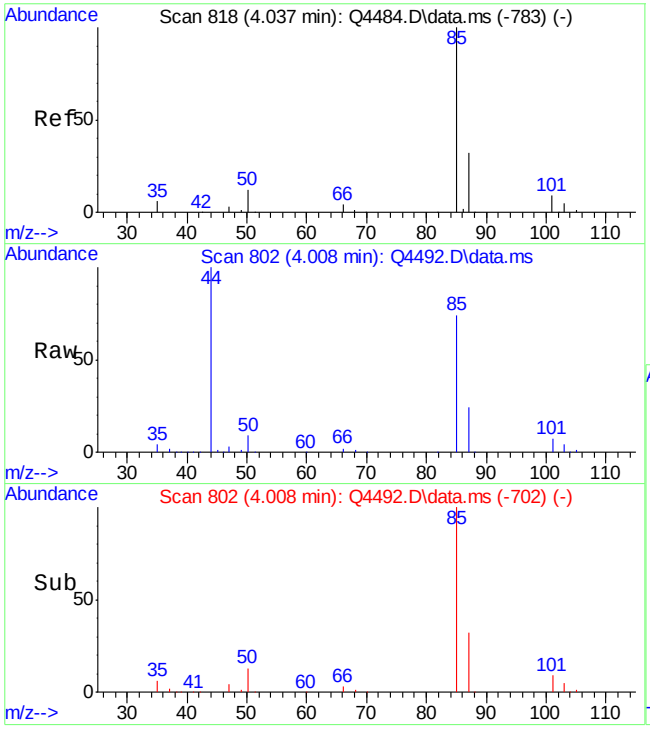
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4492.D
Acq On : 4 Sep 2007 8:19 pm
Operator : danat
Sample : m67405-1dup (M095)
Misc : MS14236, MSQ235,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 05 13:56:57 2007
Quant Method : C:\msdchem\1\METHODS\Q090407T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Sep 04 16:25:31 2007
Response via : Initial Calibration

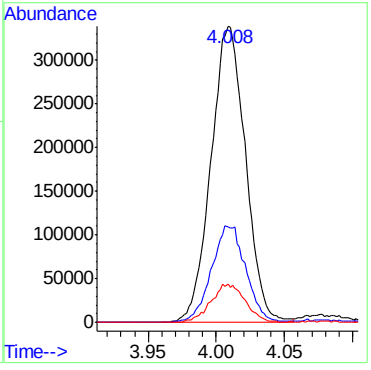


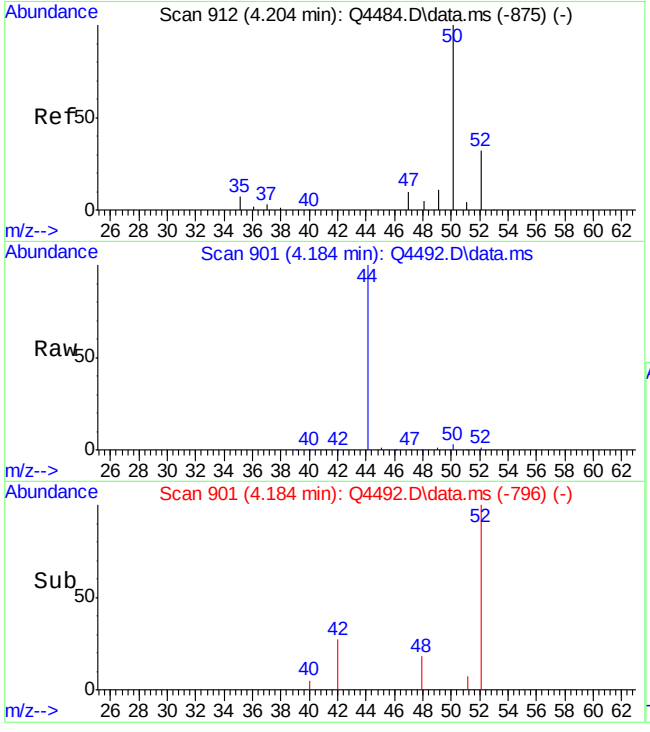


#2
DICHLORODIFLUOROMETHANE
Concen: 6.43 PPBV
RT: 4.008 min Scan# 802
Delta R.T. -0.028 min
Lab File: Q4492.D
Acq: 4 Sep 2007 8:19 pm

Tgt Ion: 85 Resp: 597327

Ion	Ratio	Lower	Upper
85	100		
87	32.3	12.0	52.0
50	12.7	0.0	32.3

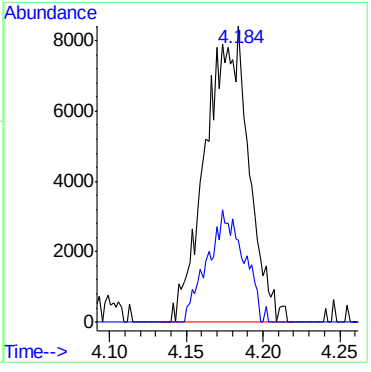


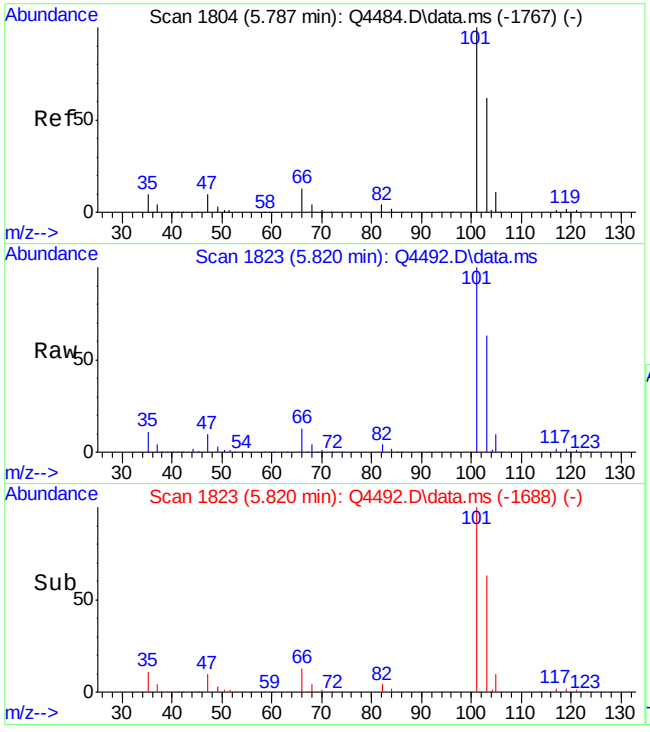


#5
CHLOROMETHANE
Concen: 0.68 PPBV
RT: 4.184 min Scan# 901
Delta R.T. -0.020 min
Lab File: Q4492.D
Acq: 4 Sep 2007 8:19 pm

Tgt Ion: 50 Resp: 16351

Ion	Ratio	Lower	Upper
50	100		
52	27.7	12.4	52.4

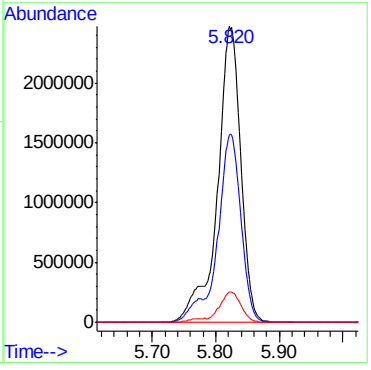


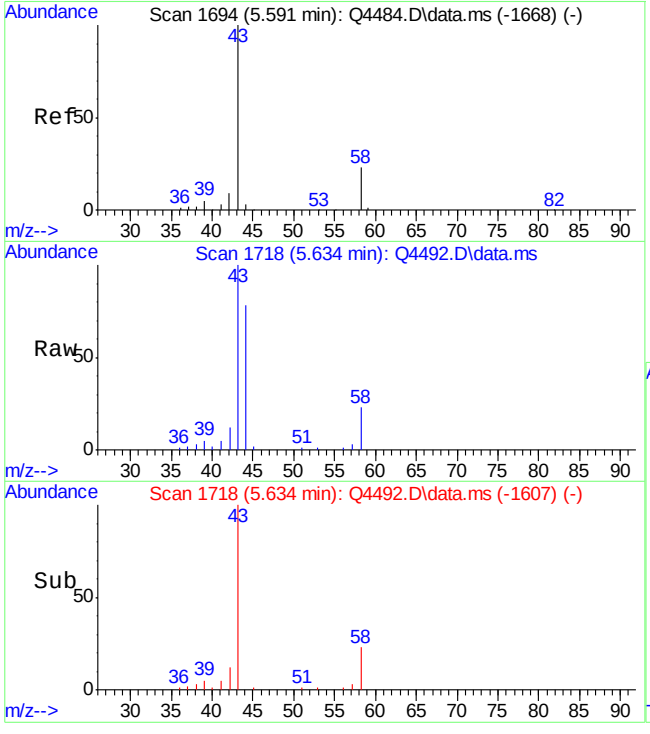


#10
TRICHLOROFLUOROMETHANE
Concen: 69.77 PPBV
RT: 5.820 min Scan# 1823
Delta R.T. 0.034 min
Lab File: Q4492.D
Acq: 4 Sep 2007 8:19 pm

Tgt Ion:101 Resp: 6247073

Ion	Ratio	Lower	Upper
101	100		
103	64.0	44.3	84.3
105	9.6	0.0	30.4

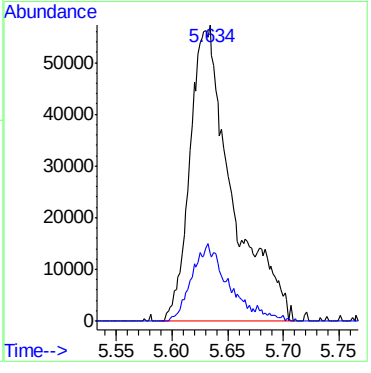


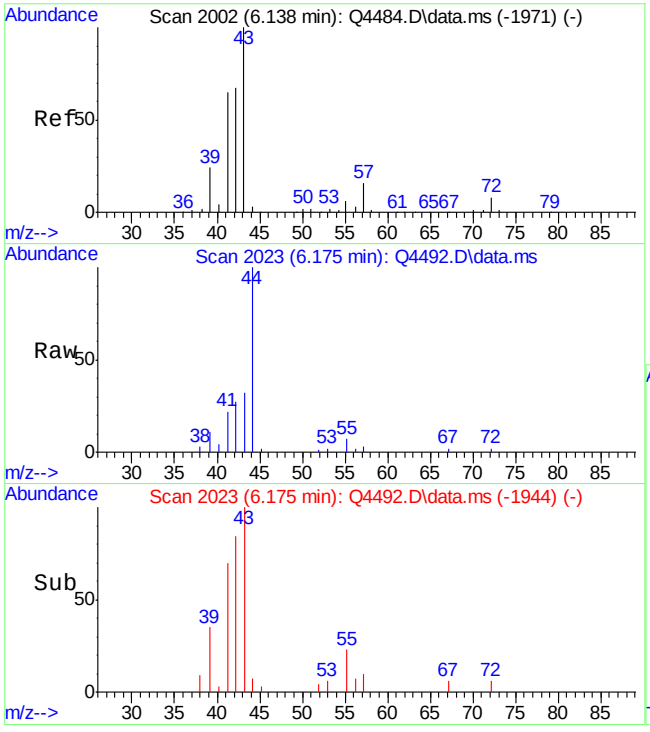


#12
ACETONE
Concen: 3.58 PPBV
RT: 5.634 min Scan# 1718
Delta R.T. 0.043 min
Lab File: Q4492.D
Acq: 4 Sep 2007 8:19 pm

Tgt Ion: 43 Resp: 150169

Ion	Ratio	Lower	Upper
43	100		
58	23.1	4.0	44.0

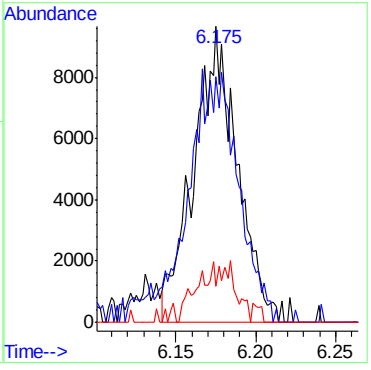


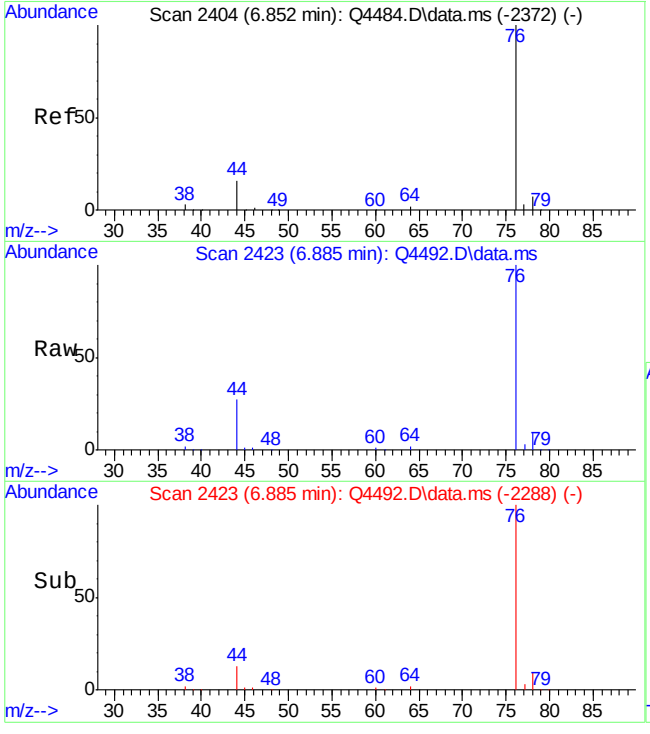


#13
PENTANE
Concen: 0.66 PPBV
RT: 6.175 min Scan# 2023
Delta R.T. 0.037 min
Lab File: Q4492.D
Acq: 4 Sep 2007 8:19 pm

Tgt Ion: 42 Resp: 18304

Ion	Ratio	Lower	Upper
42	100		
41	94.6	76.4	116.4
57	18.4	3.2	43.2

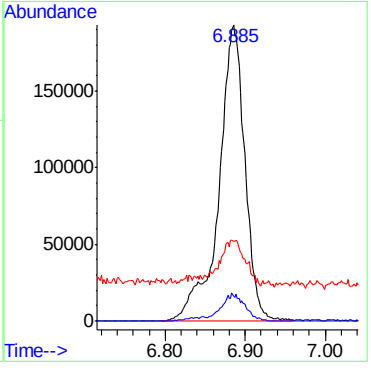


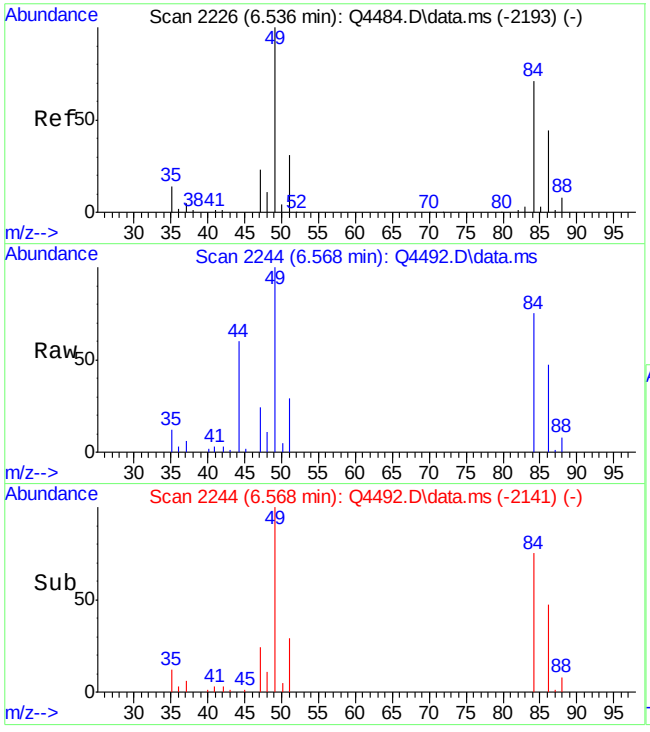


#15
CARBON DISULFIDE
Concen: 5.34 PPBV
RT: 6.885 min Scan# 2423
Delta R.T. 0.034 min
Lab File: Q4492.D
Acq: 4 Sep 2007 8:19 pm

Tgt Ion: 76 Resp: 436883

Ion	Ratio	Lower	Upper
76	100		
78	9.2	0.0	29.1
44	14.5	0.0	36.8

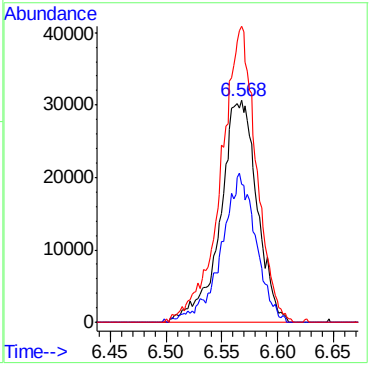


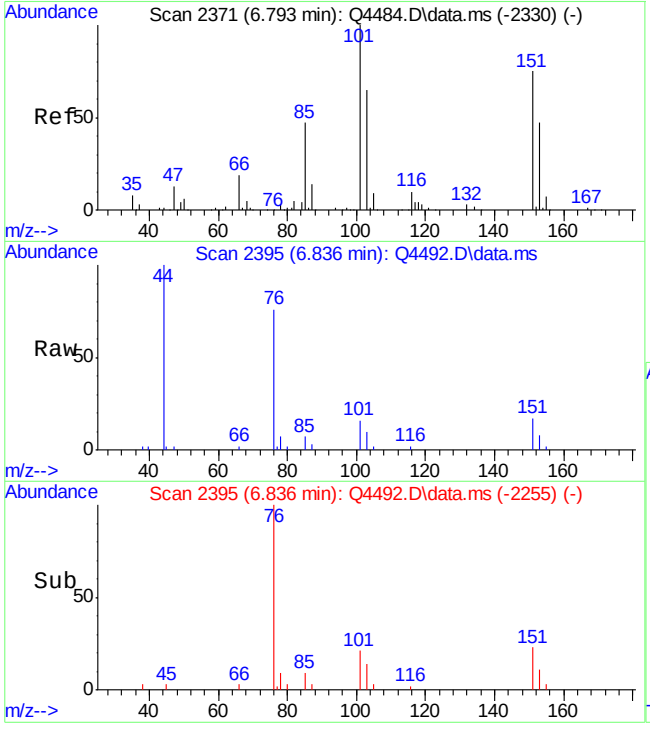


#18
METHYLENE CHLORIDE
Concen: 2.68 PPBV
RT: 6.568 min Scan# 2244
Delta R.T. 0.033 min
Lab File: Q4492.D
Acq: 4 Sep 2007 8:19 pm

Tgt Ion: 84 Resp: 70305

Ion	Ratio	Lower	Upper
84	100		
86	63.3	45.3	85.3
49	129.2	0.0	345.0

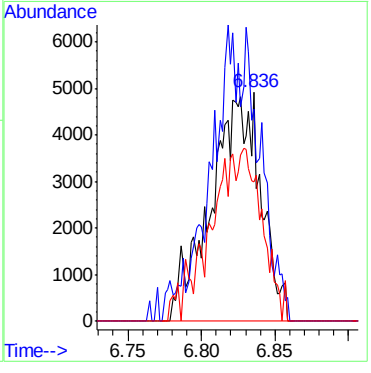


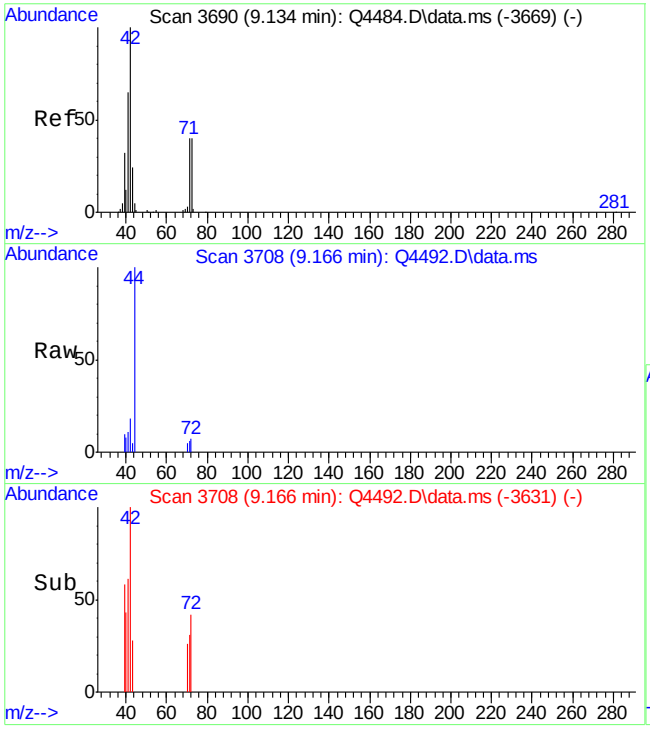


#20
FREON 113
Concen: 0.23 PPBV
RT: 6.836 min Scan# 2395
Delta R.T. 0.043 min
Lab File: Q4492.D
Acq: 4 Sep 2007 8:19 pm

Tgt Ion:151 Resp: 11540

Ion	Ratio	Lower	Upper
151	100		
101	123.7	112.9	152.9
103	78.7	65.3	105.3

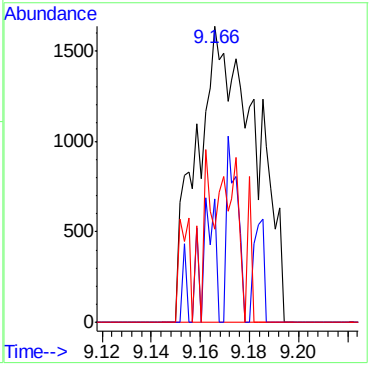


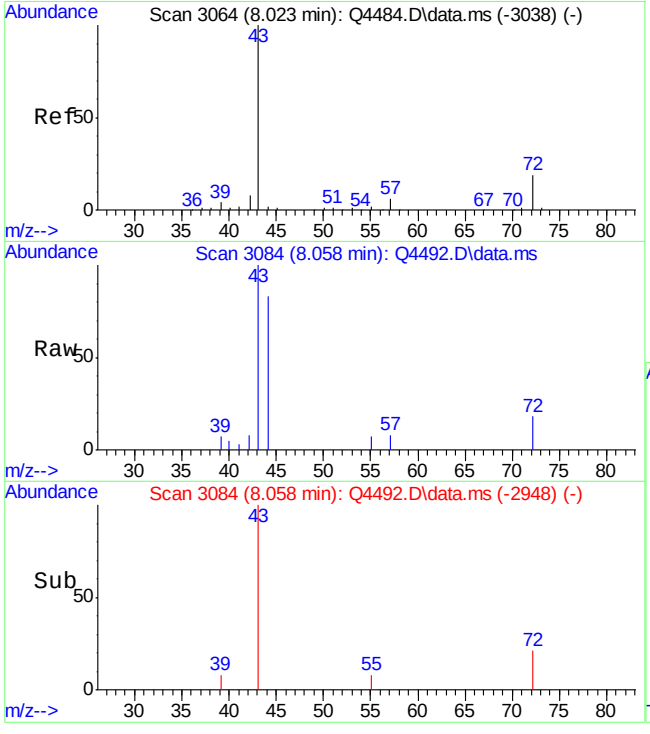


#24
TETRAHYDROFURAN
Concen: 0.73 PPBV
RT: 9.166 min Scan# 3708
Delta R.T. 0.033 min
Lab File: Q4492.D
Acq: 4 Sep 2007 8:19 pm

Tgt Ion: 42 Resp: 2719

Ion	Ratio	Lower	Upper
42	100		
72	10.8	18.7	58.7#
71	36.0	19.0	59.0

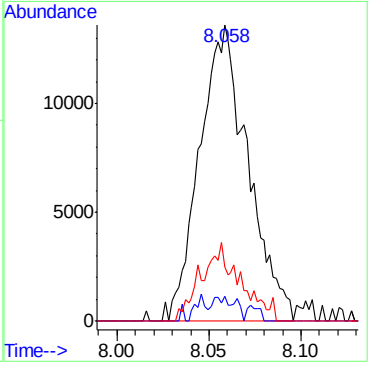


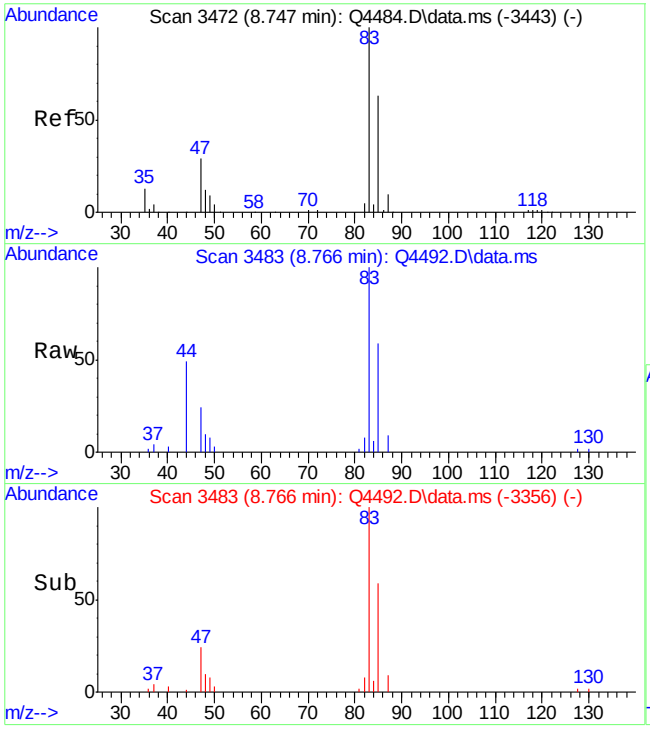


#28
METHYL ETHYL KETONE
Concen: 0.65 PPBV
RT: 8.058 min Scan# 3084
Delta R.T. 0.035 min
Lab File: Q4492.D
Acq: 4 Sep 2007 8:19 pm

Tgt Ion: 43 Resp: 24810

Ion	Ratio	Lower	Upper
43	100		
57	8.2	0.0	26.0
72	18.2	0.0	38.9

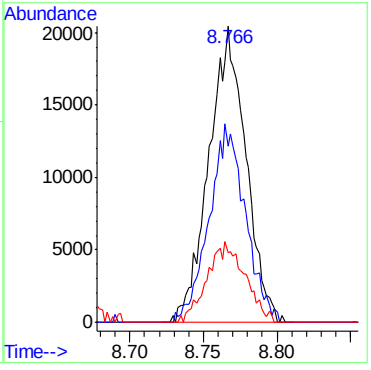


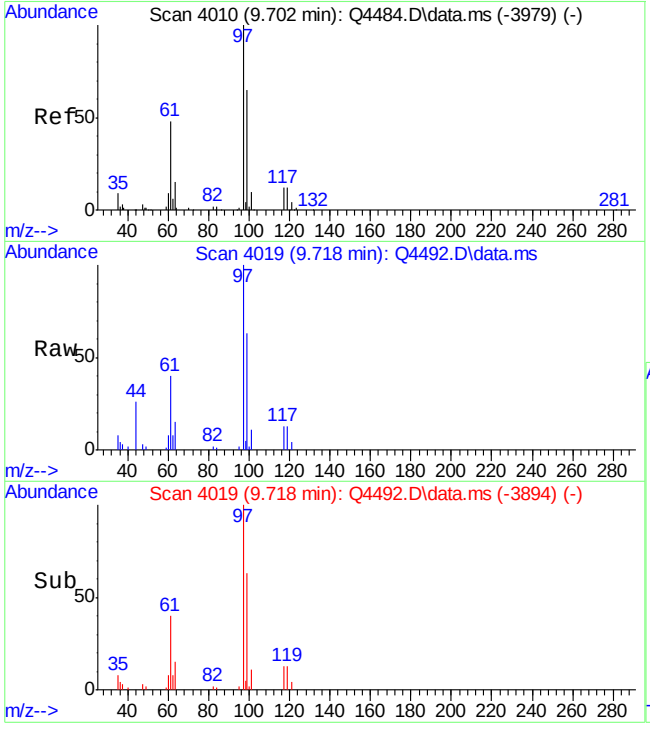


#31
CHLOROFORM
Concen: 0.58 PPBV
RT: 8.766 min Scan# 3483
Delta R.T. 0.019 min
Lab File: Q4492.D
Acq: 4 Sep 2007 8:19 pm

Tgt Ion: 83 Resp: 35465

Ion	Ratio	Lower	Upper
83	100		
85	66.0	44.5	84.5
47	27.9	8.4	48.4

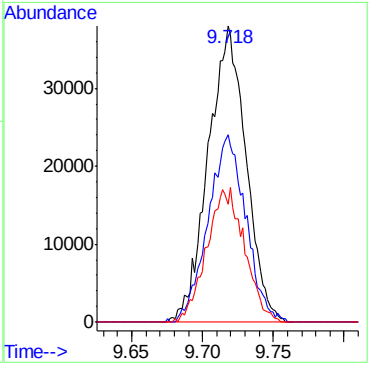




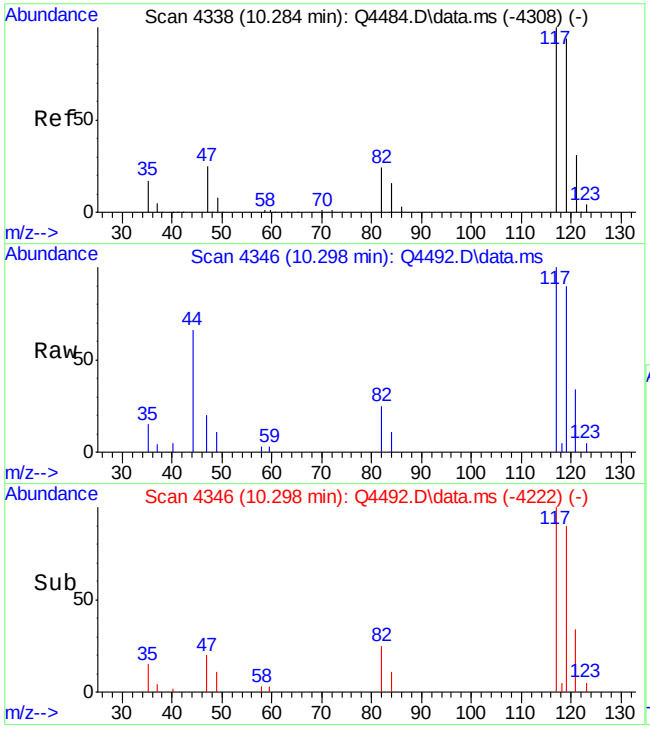
#32
1,1,1-TRICHLOROETHANE
Concen: 1.21 PPBV
RT: 9.718 min Scan# 4019
Delta R.T. 0.016 min
Lab File: Q4492.D
Acq: 4 Sep 2007 8:19 pm

Tgt Ion: 97 Resp: 70386

Ion	Ratio	Lower	Upper
97	100		
99	63.3	43.9	83.9
61	45.2	28.4	68.4



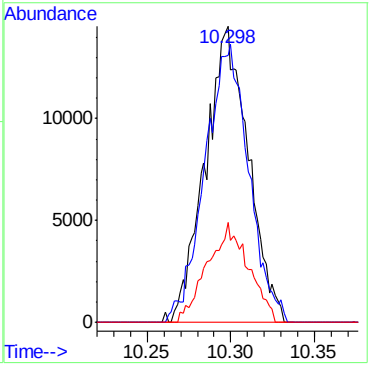
ACCUTEST Laboratories M67337

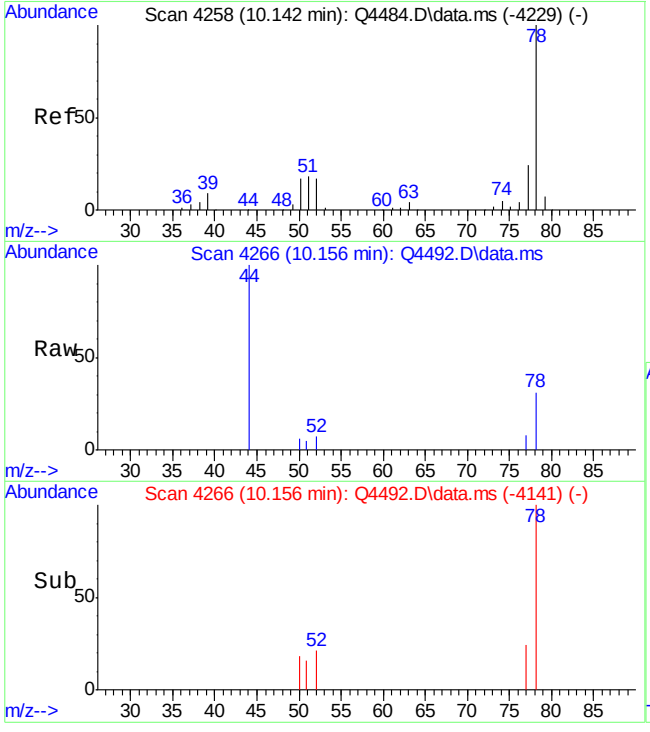


#33
CARBON TETRACHLORIDE
Concen: 0.38 PPBV
RT: 10.298 min Scan# 4346
Delta R.T. 0.014 min
Lab File: Q4492.D
Acq: 4 Sep 2007 8:19 pm

Tgt Ion:117 Resp: 26137

Ion	Ratio	Lower	Upper
117	100		
119	94.9	76.2	116.2
121	31.6	10.9	50.9

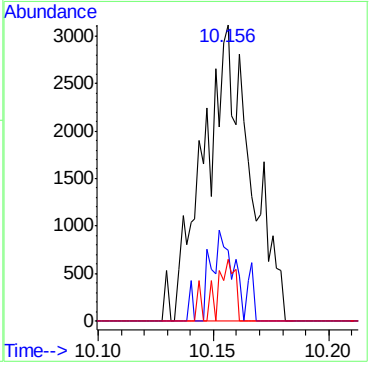


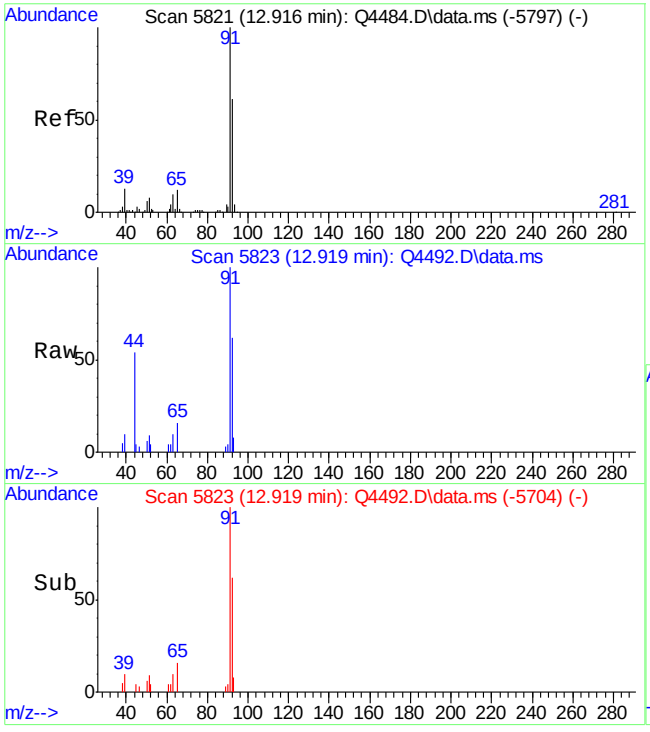


#36
BENZENE
Concen: 0.52 PPBV
RT: 10.156 min Scan# 4266
Delta R.T. 0.015 min
Lab File: Q4492.D
Acq: 4 Sep 2007 8:19 pm

Tgt Ion: 78 Resp: 4423

Ion	Ratio	Lower	Upper
78	100		
77	16.6	3.2	43.2
52	8.5	0.0	37.0

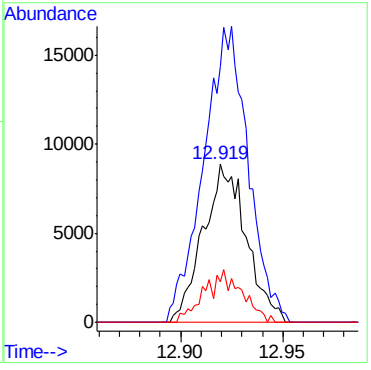


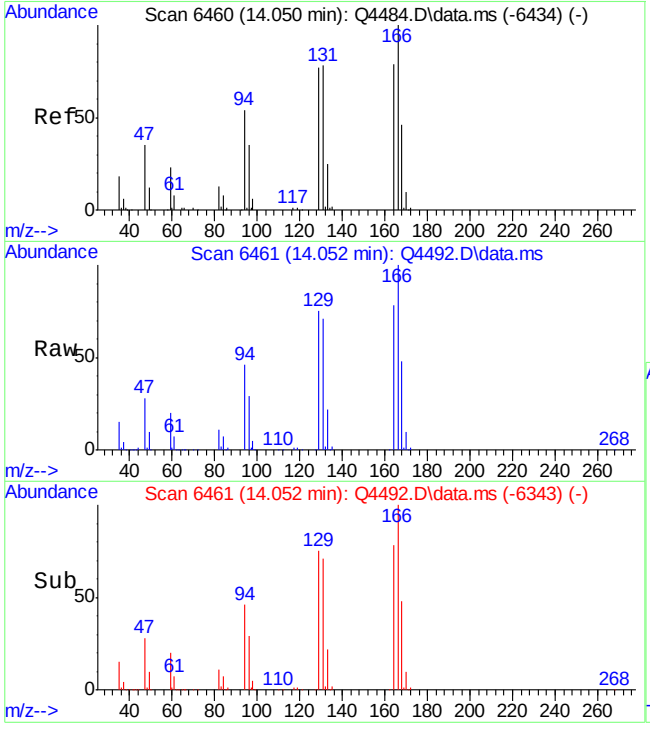


#46
TOLUENE
Concen: 0.95 PPBV
RT: 12.919 min Scan# 5823
Delta R.T. 0.004 min
Lab File: Q4492.D
Acq: 4 Sep 2007 8:19 pm

Tgt Ion: 92 Resp: 13029

Ion	Ratio	Lower	Upper
92	100		
91	193.1	147.3	187.3#
65	28.8	1.3	41.3

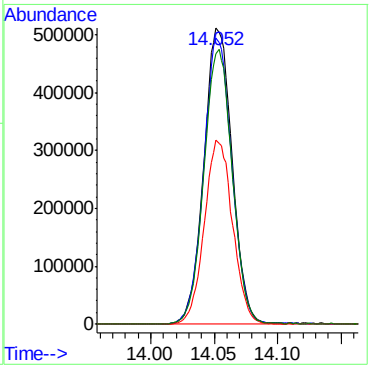




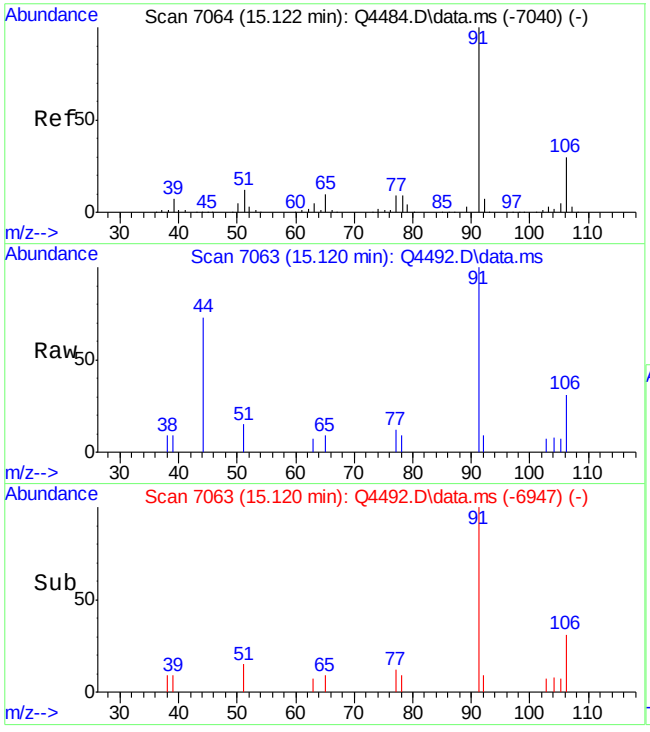
#51
TETRACHLOROETHYLENE
Concen: 24.58 PPBV
RT: 14.052 min Scan# 6461
Delta R.T. 0.003 min
Lab File: Q4492.D
Acq: 4 Sep 2007 8:19 pm

Tgt Ion:164 Resp: 769416

Ion	Ratio	Lower	Upper
164	100		
129	96.7	81.2	121.2
168	62.0	40.7	80.7
131	93.1	77.3	117.3



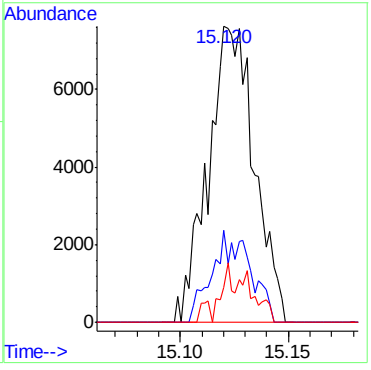
ACCUTEST Laboratories M67337

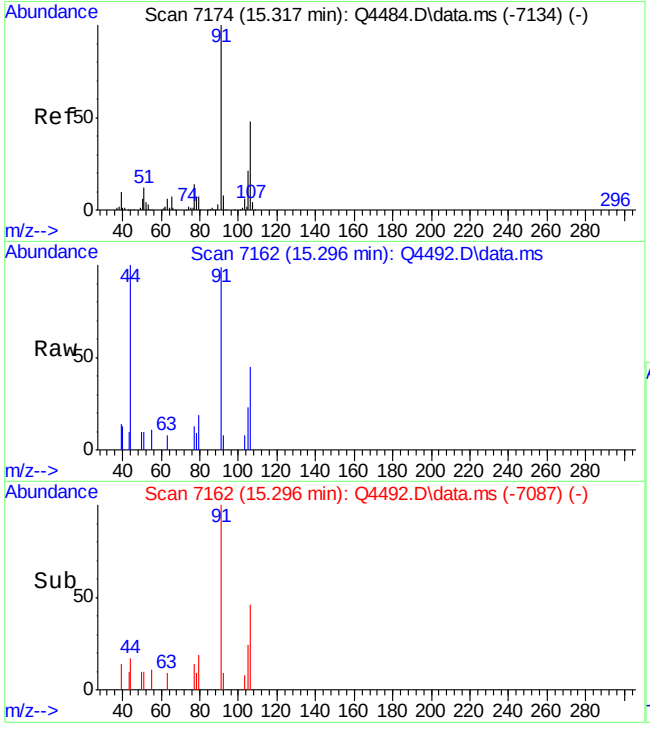


#55
ETHYLBENZENE
Concen: 0.78 PPBV
RT: 15.120 min Scan# 7063
Delta R.T. -0.001 min
Lab File: Q4492.D
Acq: 4 Sep 2007 8:19 pm

Tgt Ion: 91 Resp: 11322

Ion	Ratio	Lower	Upper
91	100		
106	25.6	9.5	49.5
77	12.6	0.0	29.3

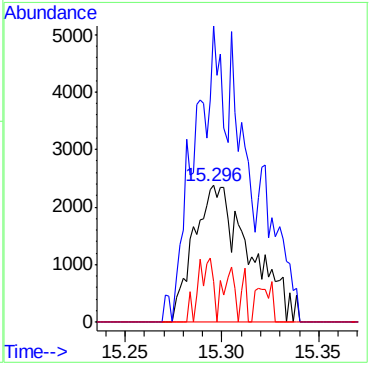


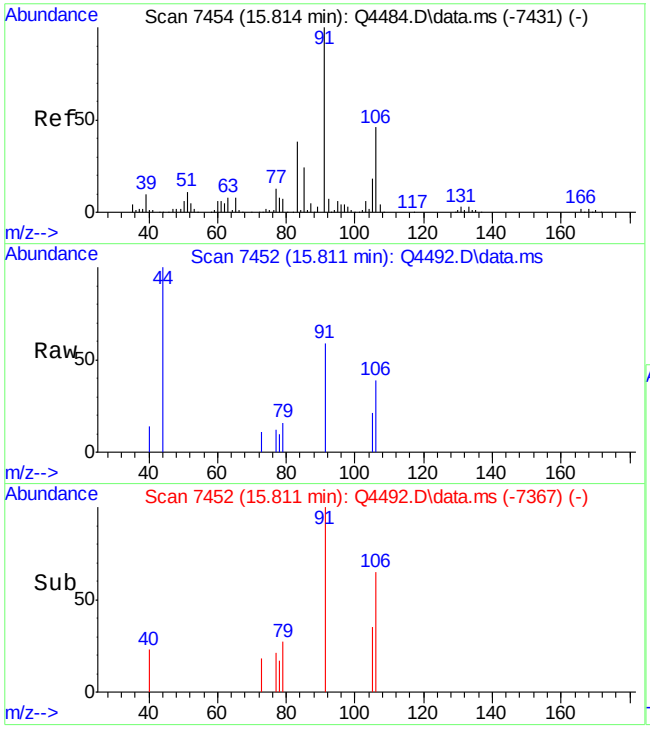


#56
m,p-XYLENE
Concen: 1.49 PPBV
RT: 15.296 min Scan# 7162
Delta R.T. -0.021 min
Lab File: Q4492.D
Acq: 4 Sep 2007 8:19 pm

Tgt Ion:106 Resp: 4746

Ion	Ratio	Lower	Upper
106	100		
91	217.0	165.6	248.4
77	29.3	23.4	35.0

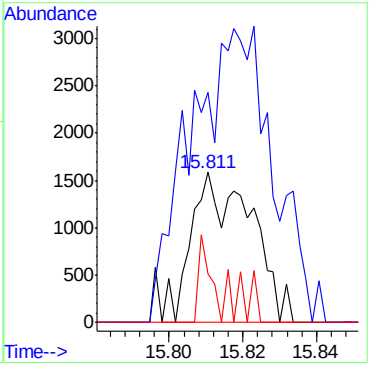


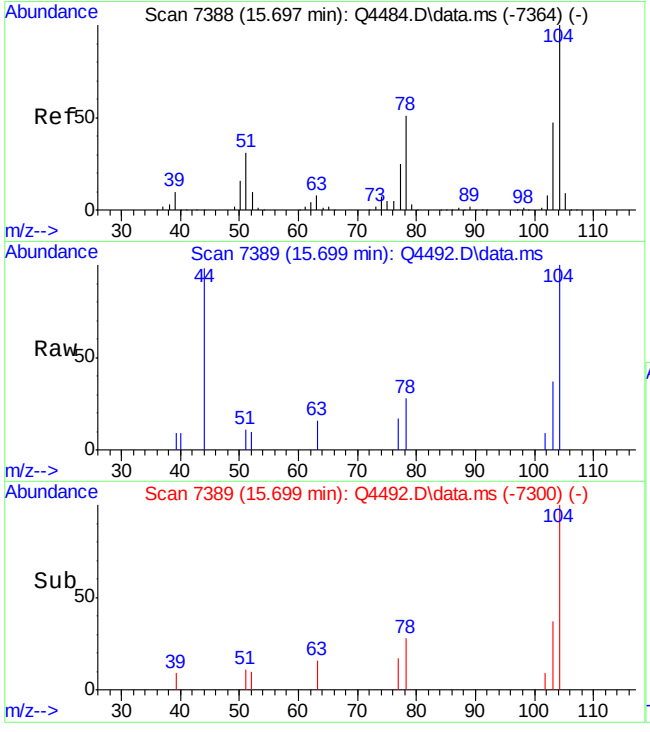


#57
o-XYLENE
Concen: 0.56 PPBV
RT: 15.811 min Scan# 7452
Delta R.T. -0.003 min
Lab File: Q4492.D
Acq: 4 Sep 2007 8:19 pm

Tgt Ion:106 Resp: 1804

Ion	Ratio	Lower	Upper
106	100		
91	268.8	203.8	243.8#
77	20.5	9.8	49.8

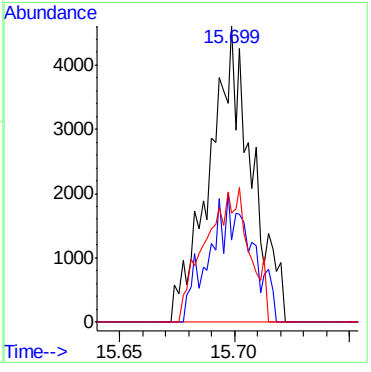


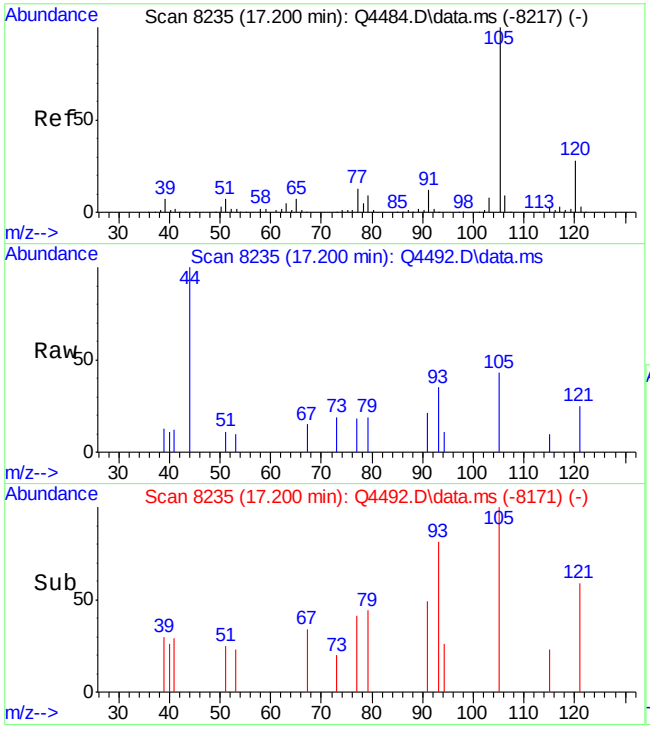


#58
STYRENE
Concen: 1.00 PPBV
RT: 15.699 min Scan# 7389
Delta R.T. 0.003 min
Lab File: Q4492.D
Acq: 4 Sep 2007 8:19 pm

Tgt Ion:104 Resp: 5870

Ion	Ratio	Lower	Upper
104	100		
78	43.1	29.0	69.0
103	47.4	26.2	66.2

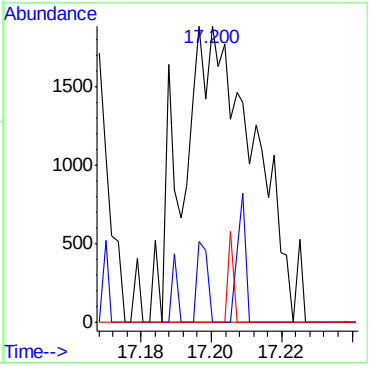


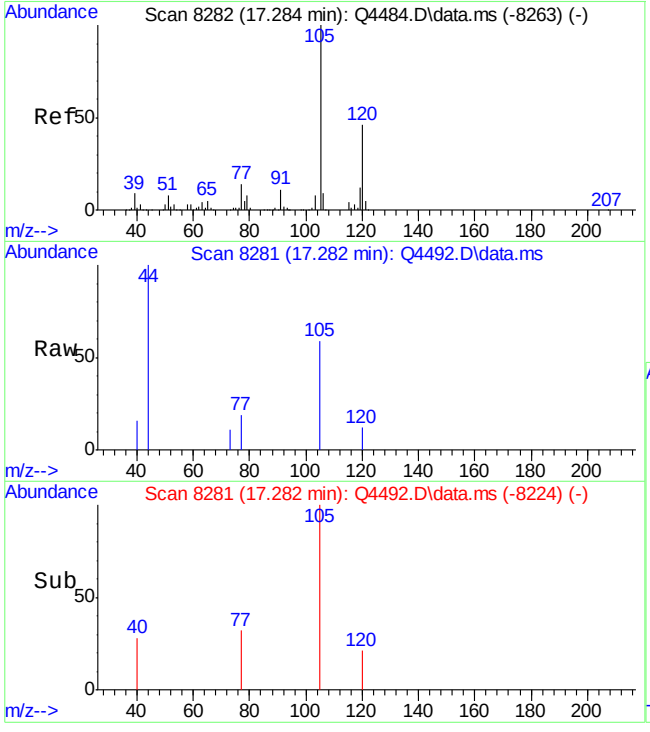


#65
4-ETHYLTOLUENE
Concen: 0.72 PPBV m
RT: 17.200 min Scan# 8235
Delta R.T. 0.000 min
Lab File: Q4492.D
Acq: 4 Sep 2007 8:19 pm

Tgt Ion:105 Resp: 2595

Ion	Ratio	Lower	Upper
105	100		
120	36.1	7.8	47.8
119	6.8	0.0	22.4

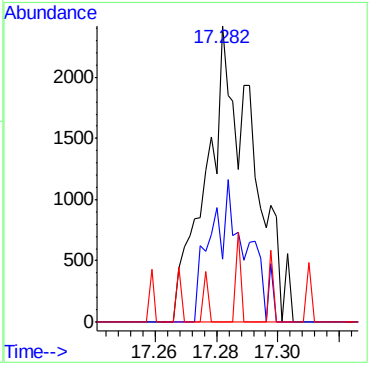


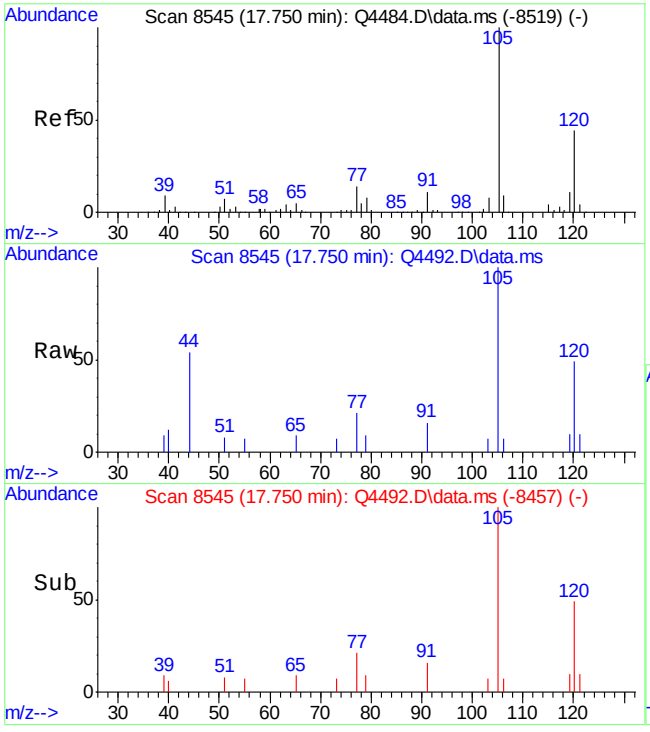


#66
1,3,5-TRIMETHYLBENZENE
Concen: 0.80 PPBV
RT: 17.282 min Scan# 8281
Delta R.T. -0.001 min
Lab File: Q4492.D
Acq: 4 Sep 2007 8:19 pm

Tgt Ion:105 Resp: 2541

Ion	Ratio	Lower	Upper
105	100		
120	36.8	26.3	66.3
91	3.1	0.0	31.3

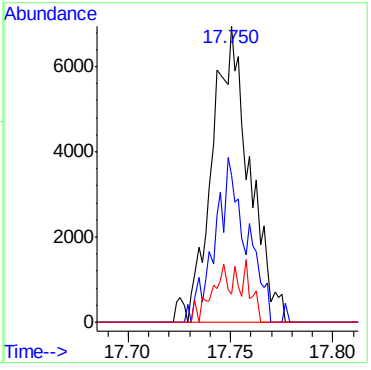




#67
1,2,4-TRIMETHYLBENZENE
Concen: 0.97 PPBV
RT: 17.750 min Scan# 8545
Delta R.T. 0.000 min
Lab File: Q4492.D
Acq: 4 Sep 2007 8:19 pm

Tgt Ion:105 Resp: 8899

Ion	Ratio	Lower	Upper
105	100		
120	46.9	24.1	64.1
119	16.4	0.0	31.4



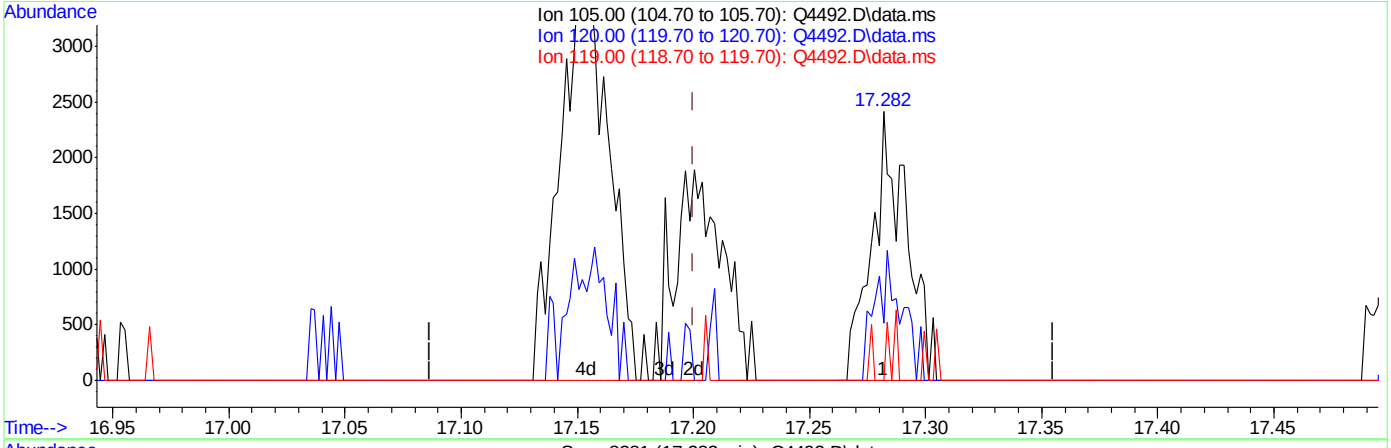
6.4.1

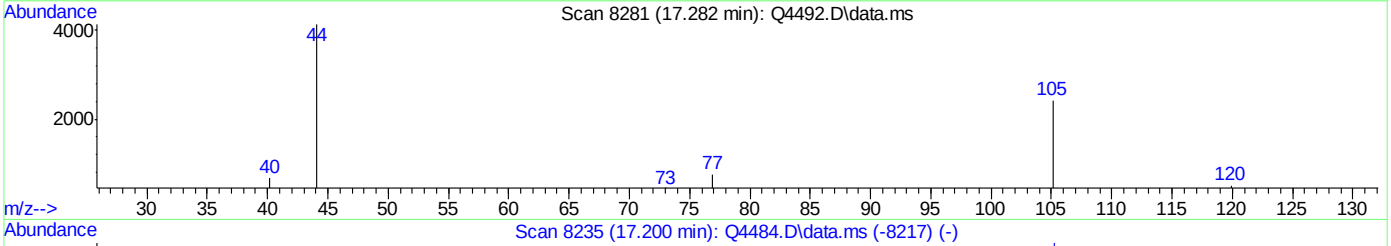
6

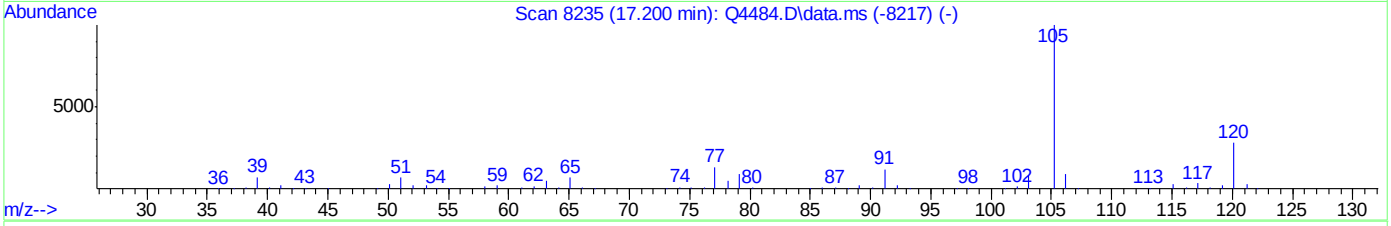
Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q4492.D
Acq On    :  4 Sep 2007   8:19 pm
Operator  : danat
Sample    : m67405-1dup (M095)
Misc      : MS14236, MSQ235,,,,,1
ALS Vial  : 5   Sample Multiplier: 1

Quant Time: Sep 05 13:54:19 2007
Quant Method : C:\msdchem\1\METHODS\Q090407T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Sep 04 16:25:31 2007
Response via : Initial Calibration
```





TIC: Q4492.D\data.ms

(65) 4-ETHYLTOLUENE (m)

17.282min (+0.082) 0.72PPBV

response 2541

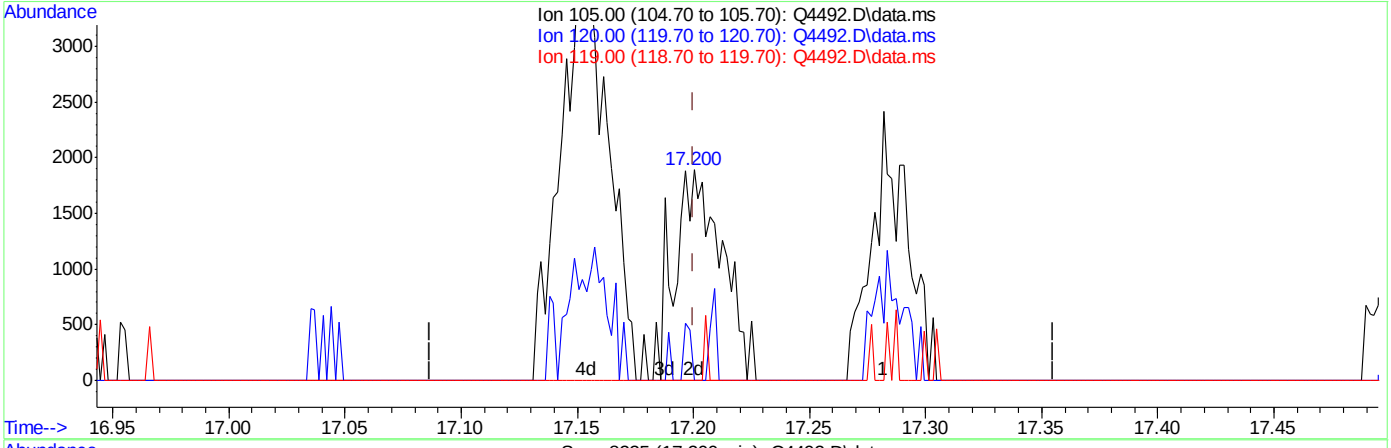
Ion	Exp%	Act%
105.00	100	100
120.00	27.80	36.84
119.00	2.40	6.93
0.00	0.00	0.00

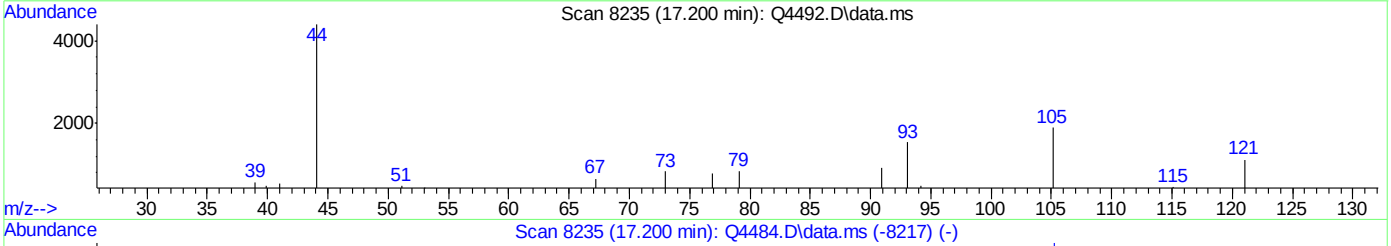
ACCUTEST Laboratories M67337

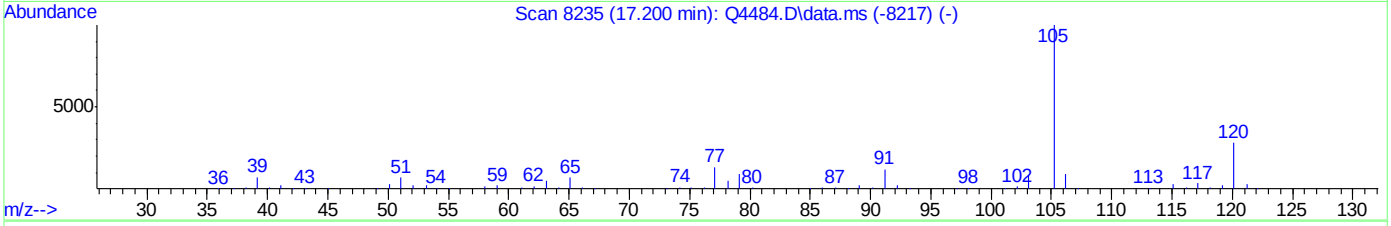
Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q4492.D
Acq On    :  4 Sep 2007   8:19 pm
Operator  : danat
Sample    : m67405-1dup (M095)
Misc      : MS14236, MSQ235,,,,,1
ALS Vial  : 5   Sample Multiplier: 1

Quant Time: Sep 05 13:54:19 2007
Quant Method : C:\msdchem\1\METHODS\Q090407T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Sep 04 16:25:31 2007
Response via : Initial Calibration
```





TIC: Q4492.D\data.ms

(65) 4-ETHYLTOLUENE (m)

17.200min (+0.000) 0.72PPBV m

response 2595

Ion	Exp%	Act%
105.00	100	100
120.00	27.80	36.07
119.00	2.40	6.78
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10850.D
Acq On : 3 Jul 2007 6:55 pm
Operator : danat
Sample : scc (M165)
Misc : MS13857, MSJ561,,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 05 17:39:39 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

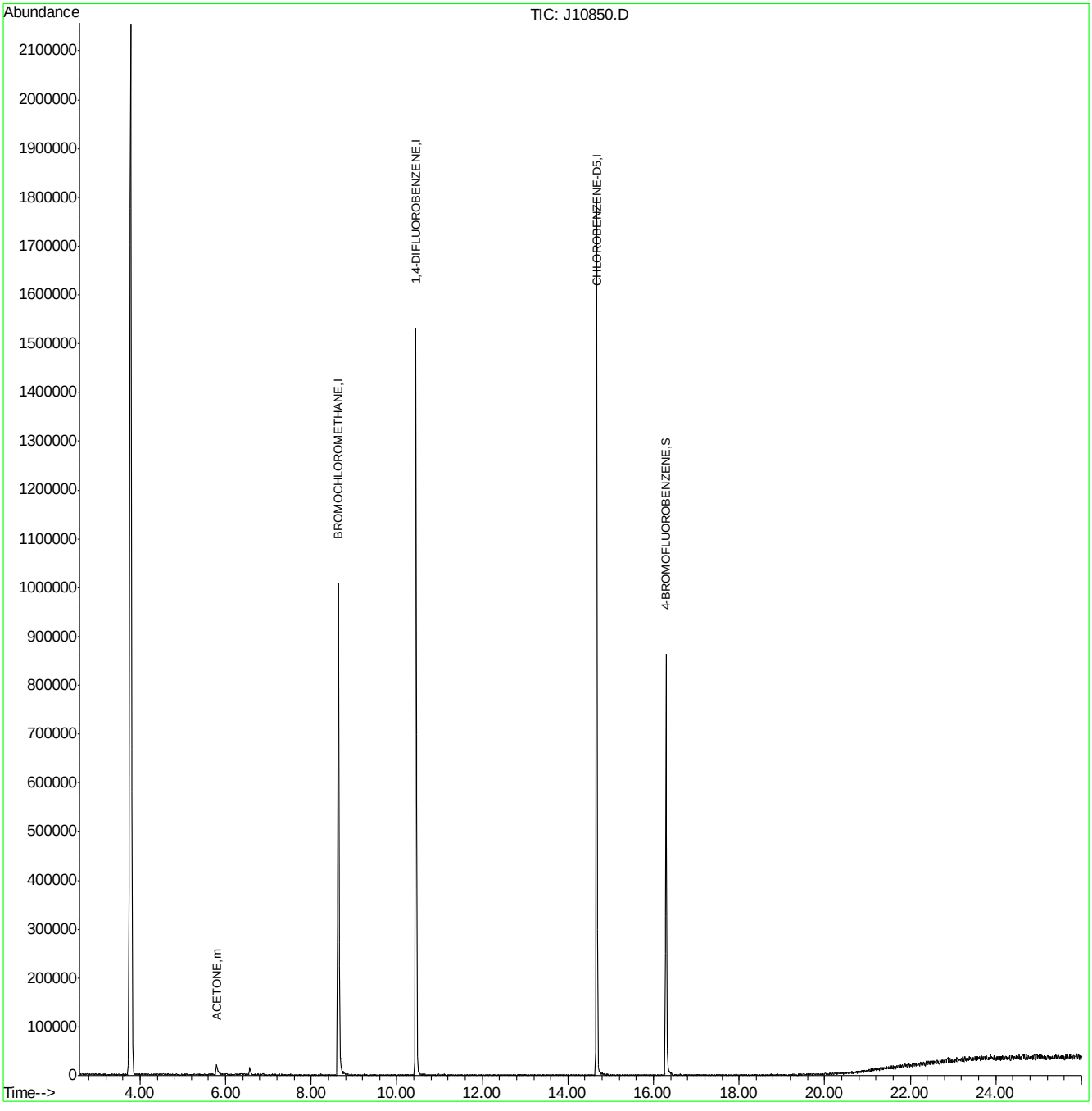
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.64	128	310070	10.00	PPBV	0.01
35) 1,4-DIFLUOROBENZENE	10.45	114	1077981	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.67	117	923750	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.29	95	238652	4.09	PPBV	0.00
Spiked Amount 5.000	Range 51 - 142		Recovery = 81.80%			
Target Compounds						Qvalue
12) ACETONE	5.79	43	39476	0.71	PPBV	94

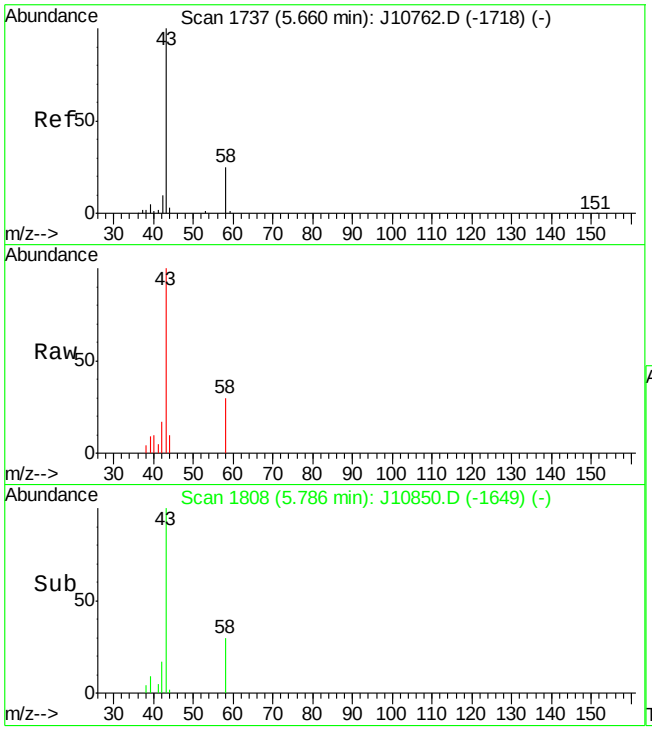
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10850.D
Acq On : 3 Jul 2007 6:55 pm
Operator : danat
Sample : scc (M165)
Misc : MS13857, MSJ561,,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 05 17:39:39 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

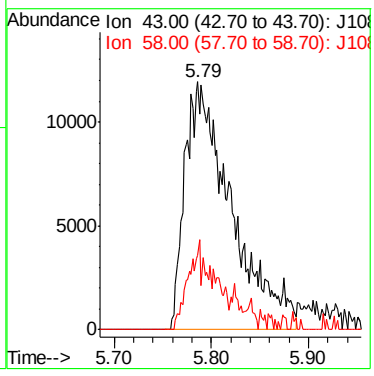




#12
ACETONE
Concen: 0.71 PPBV
RT: 5.79 min Scan# 1808
Delta R.T. 0.13 min
Lab File: J10850.D
Acq: 3 Jul 2007 6:55 pm

Tgt Ion: 43 Resp: 39476

Ion	Ratio	Lower	Upper
43	100		
58	22.9	6.2	46.2



6.5.1

6

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10880.D
Acq On : 6 Jul 2007 4:44 am
Operator : danat
Sample : scc (M031)
Misc : MS13866, MSJ562,,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jul 06 13:25:23 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	326597	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.43	114	1277512	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.66	117	1140663	10.00	PPBV	-0.01

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.28	95	313640	4.48	PPBV	-0.02

Spiked Amount 5.000 Range 51 - 142 Recovery = 89.60%

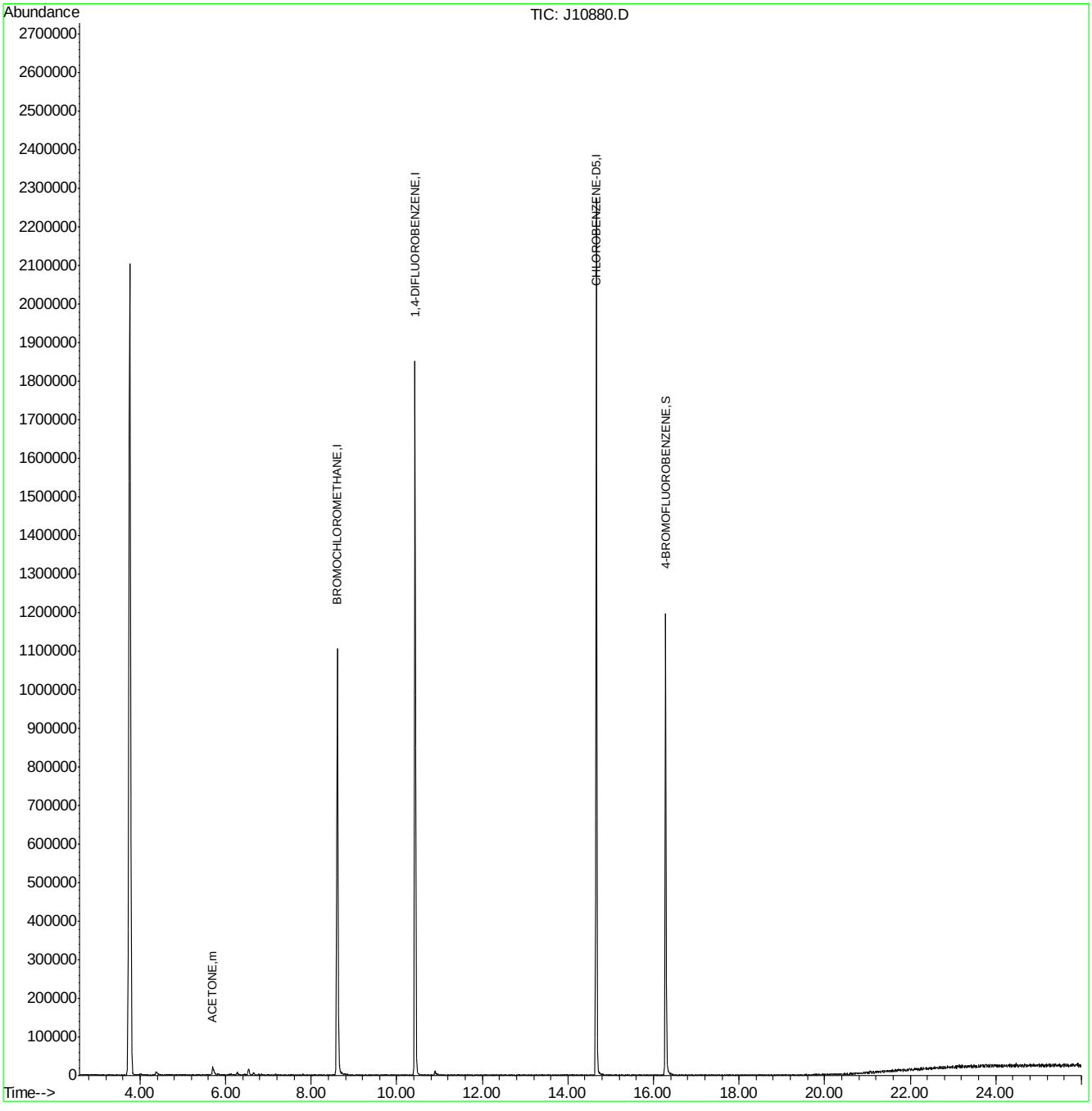
Target Compounds						Qvalue
12) ACETONE	5.70	43	27428	0.72	PPBV	73

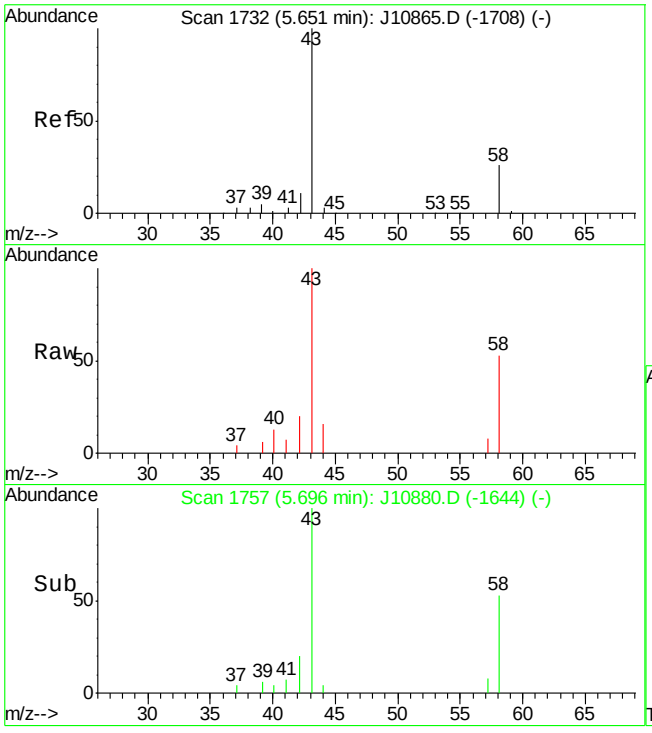
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10880.D
Acq On : 6 Jul 2007 4:44 am
Operator : danat
Sample : scc (M031)
Misc : MS13866, MSJ562,,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jul 06 13:25:23 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

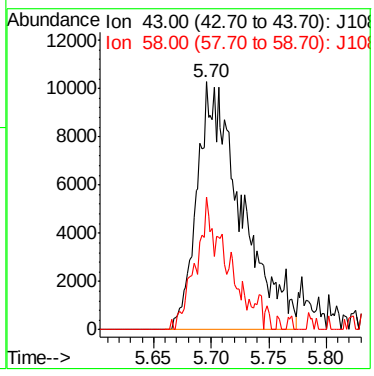




#12
ACETONE
Concen: 0.72 PPBV
RT: 5.70 min Scan# 1757
Delta R.T. 0.04 min
Lab File: J10880.D
Acq: 6 Jul 2007 4:44 am

Tgt Ion: 43 Resp: 27428

Ion	Ratio	Lower	Upper
43	100		
58	39.5	5.6	45.6

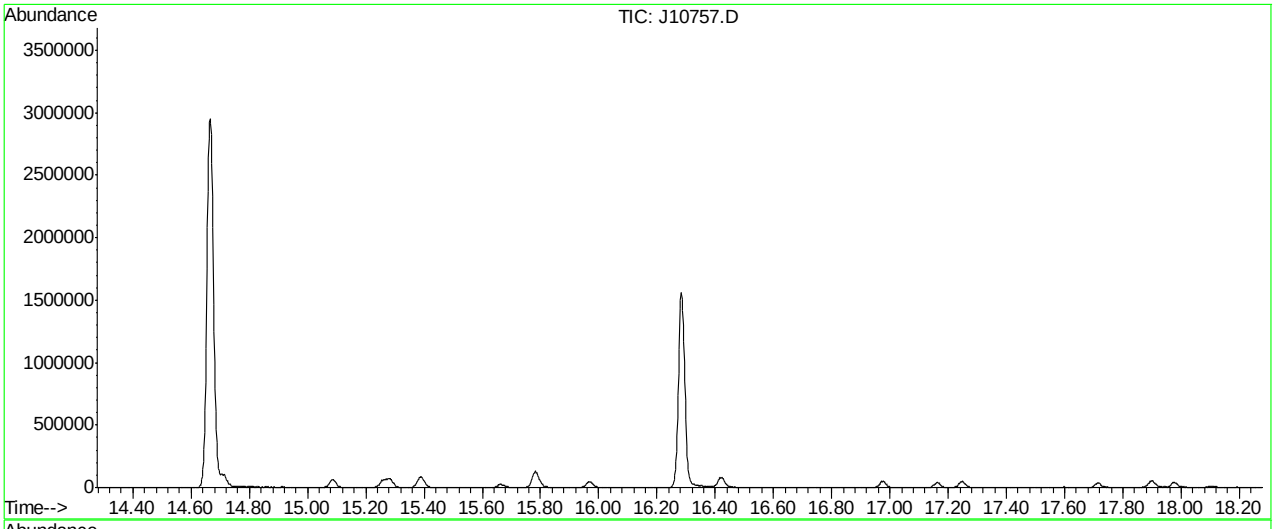


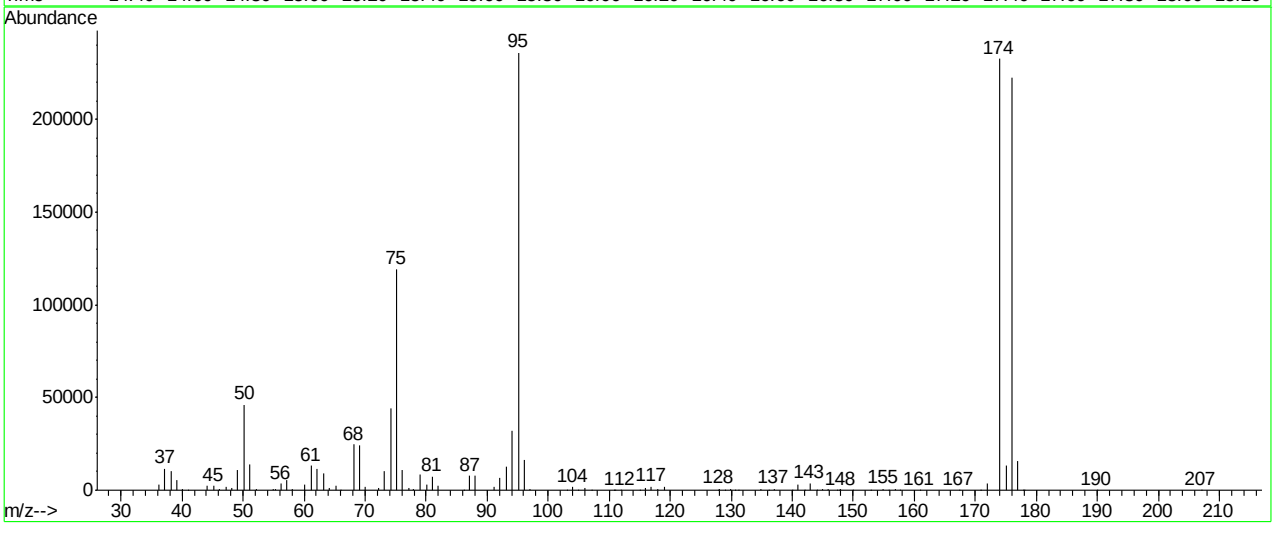
BFB

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)

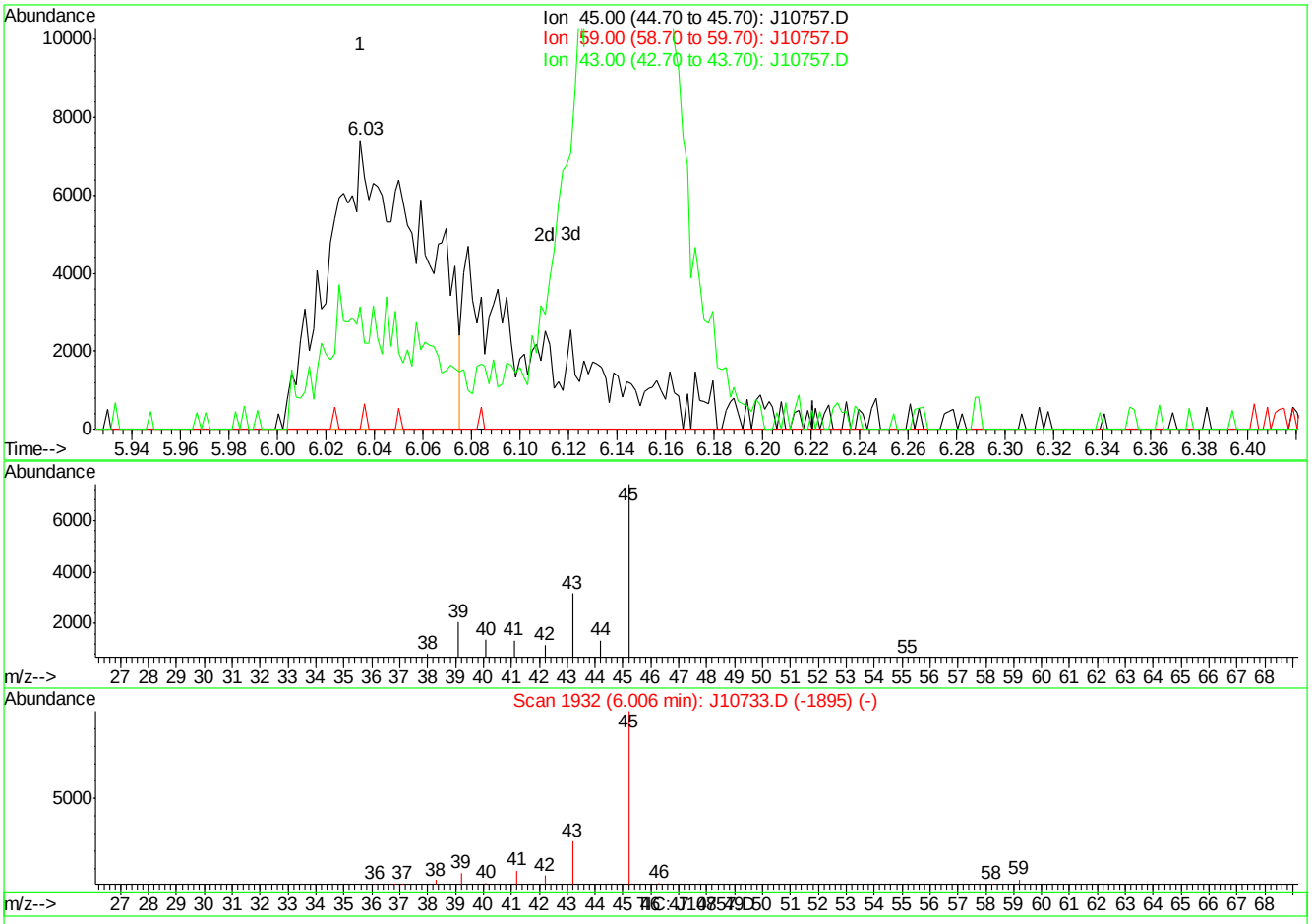
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
157.70	216	189.90	149				
160.90	252	207.00	144				
167.30	185						
170.90	169						
172.00	3719						
174.00	232533						
175.10	13538						
176.00	222378						
177.00	15745						
177.80	173						
178.10	138						

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

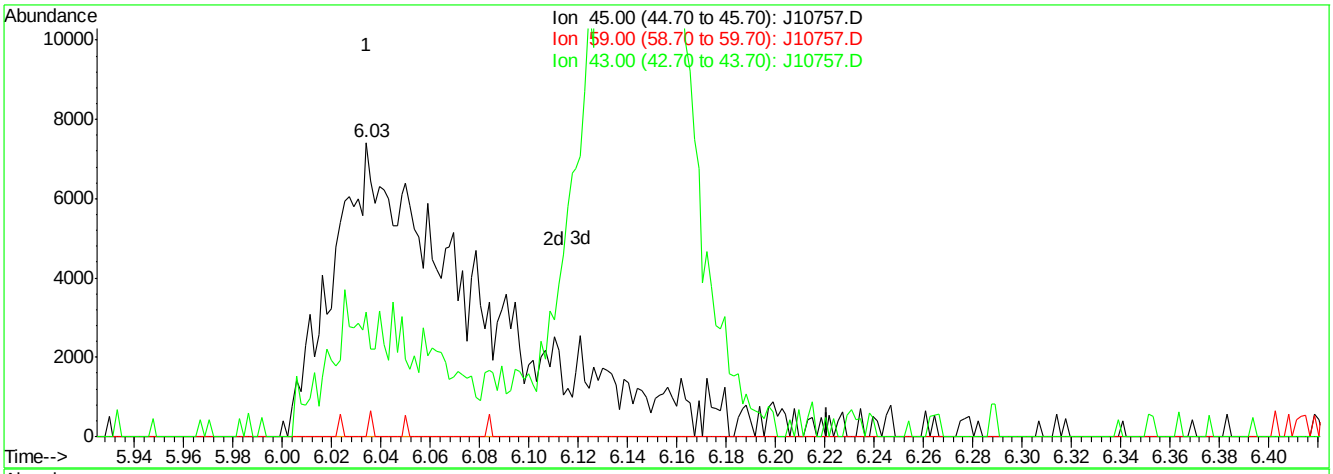
J10757.D J062507T.M Mon Jun 25 10:48:40 2007

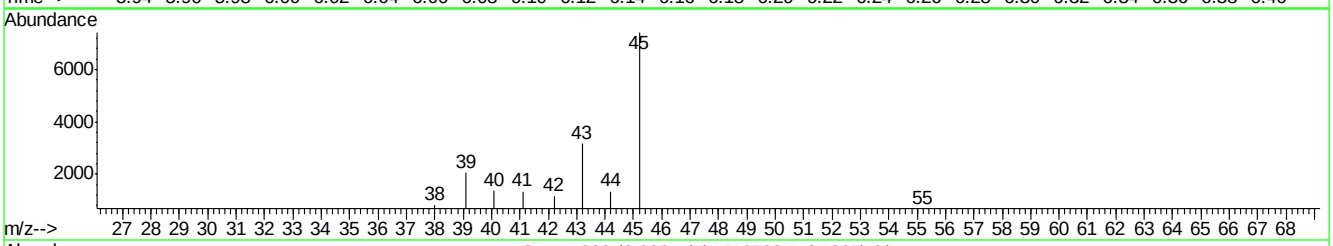
Quantitation Report (Qedit)

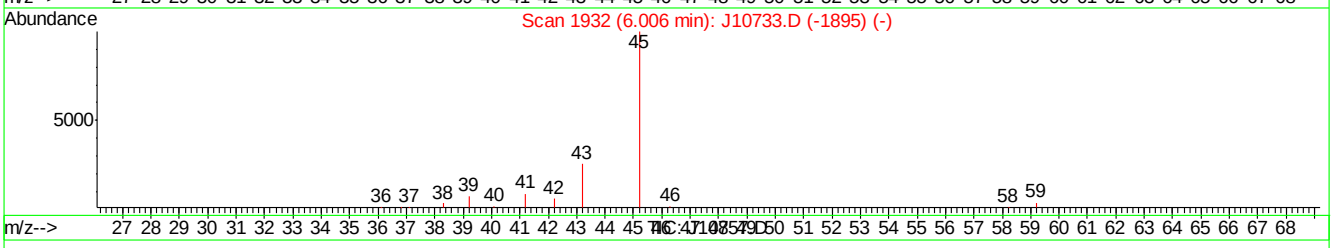
Data File : C:\MSDChem\1\data\J10757.D Vial: 2
Acq On : 25 Jun 2007 10:16 am Operator: danat
Sample : ic557-0.5 (m141) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

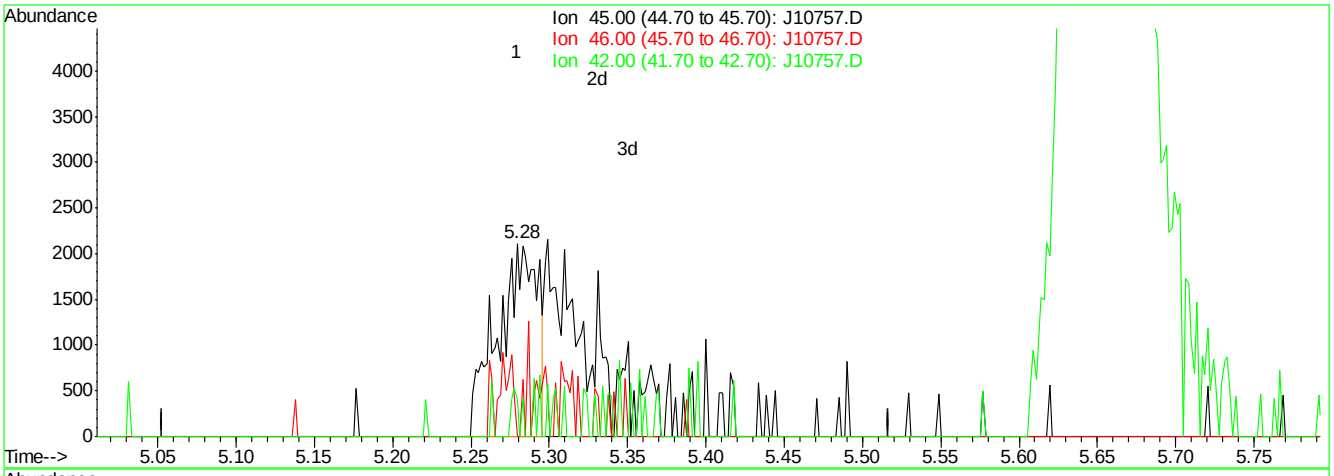
J10757.D J062507T.M Mon Jun 25 10:48:45 2007

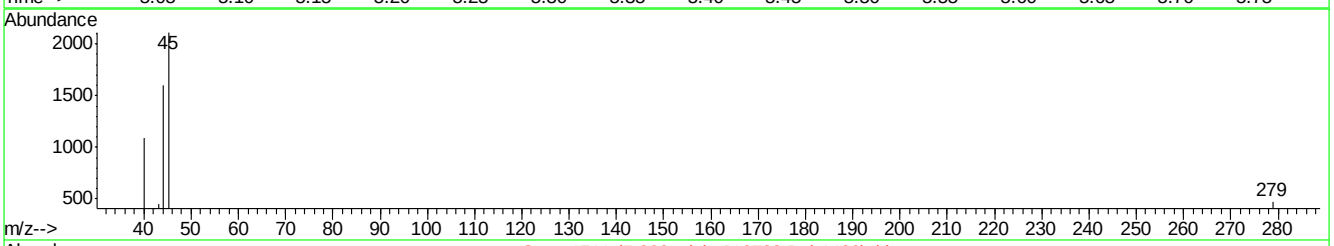
Quantitation Report (Qedit)

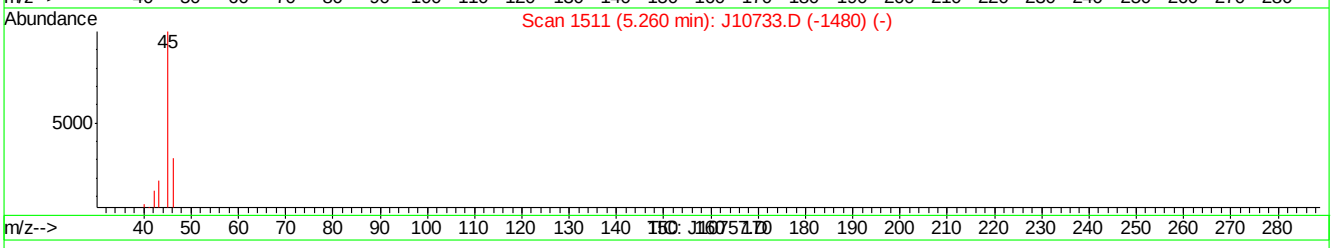
Data File : C:\MSDChem\1\data\J10757.D Vial: 2
Acq On : 25 Jun 2007 10:16 am Operator: danat
Sample : ic557-0.5 (m141) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

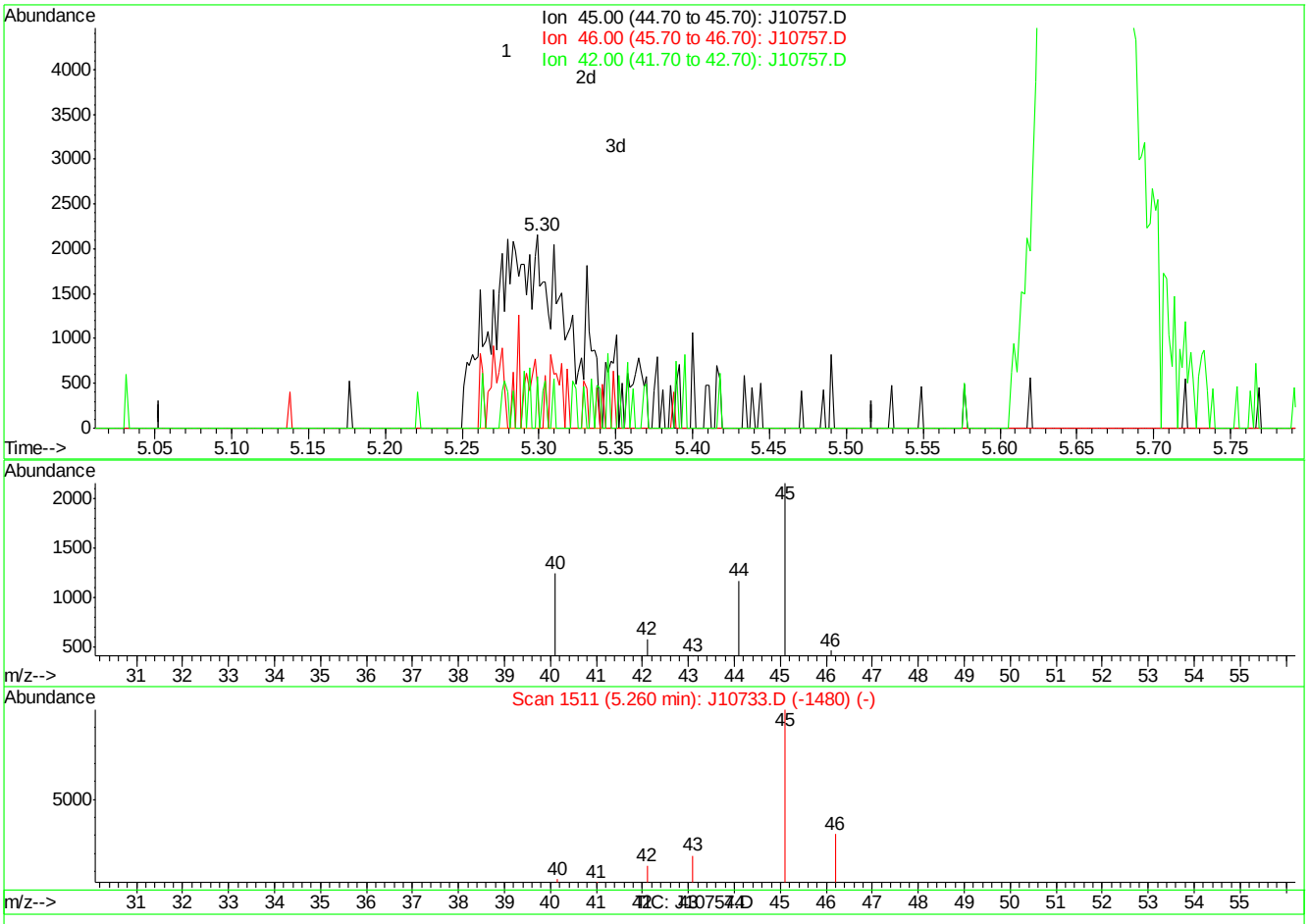
J10757.D J062507T.M Mon Jun 25 10:49:22 2007

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

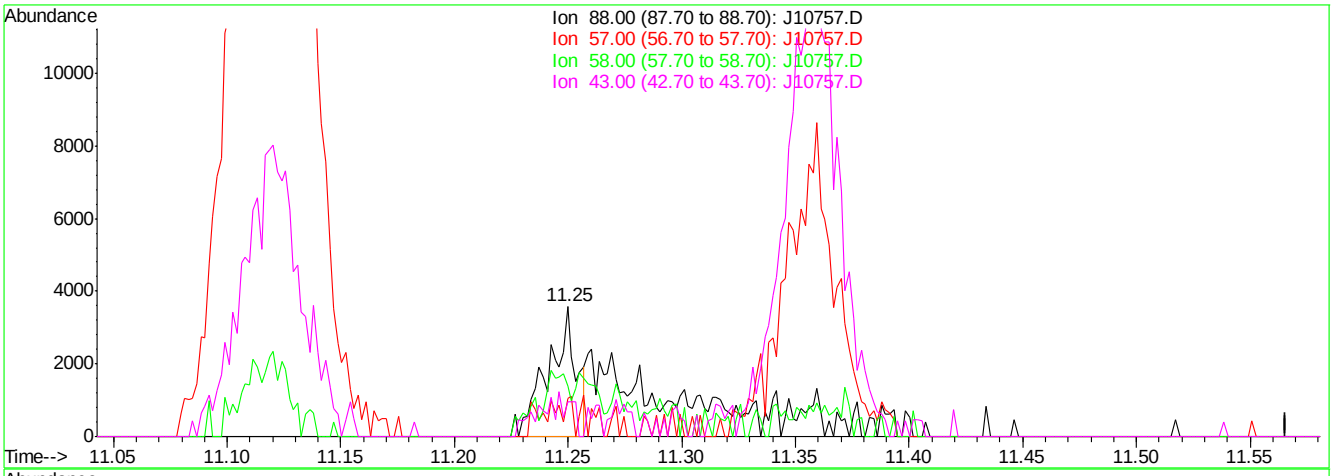
J10757.D J062507T.M Mon Jun 25 10:49:33 2007

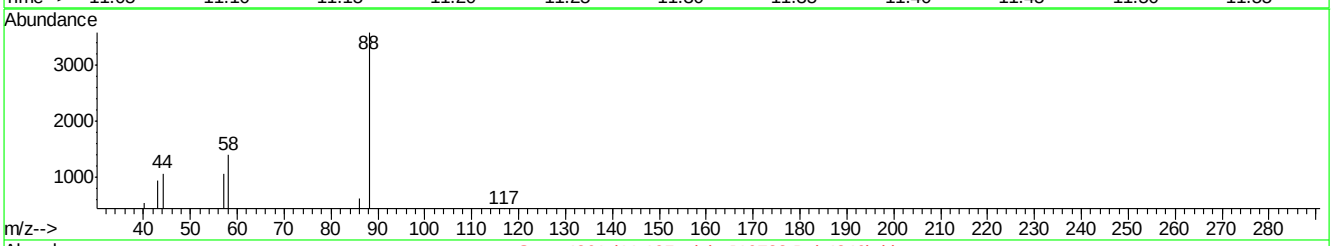
Quantitation Report (Qedit)

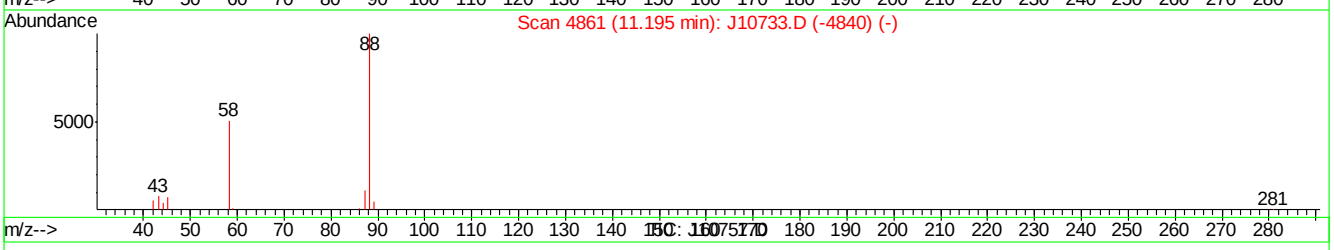
Data File : C:\MSDChem\1\data\J10757.D Vial: 2
Acq On : 25 Jun 2007 10:16 am Operator: danat
Sample : ic557-0.5 (m141) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

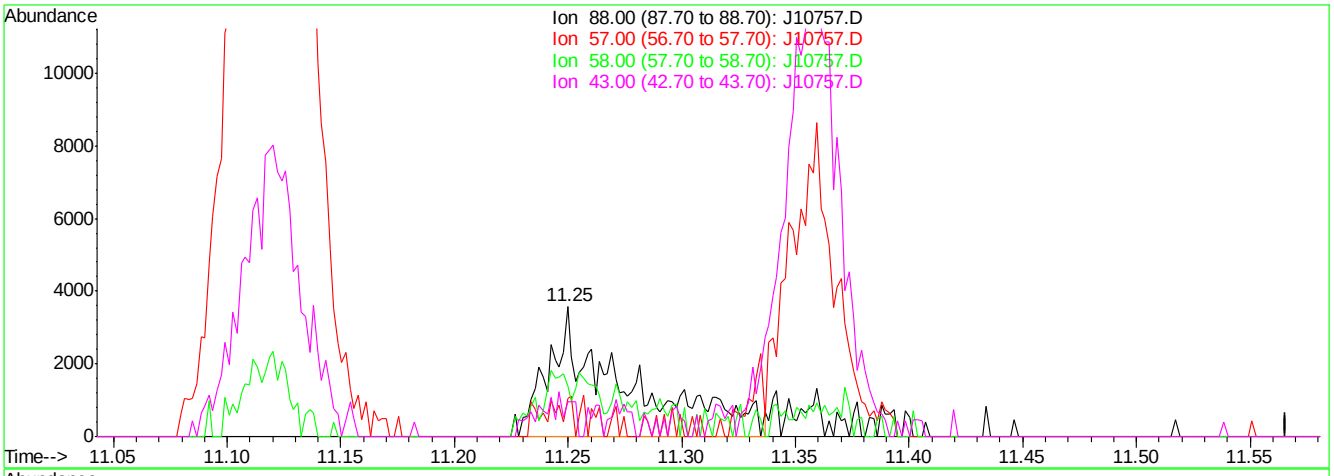
J10757.D J062507T.M Mon Jun 25 10:49:57 2007

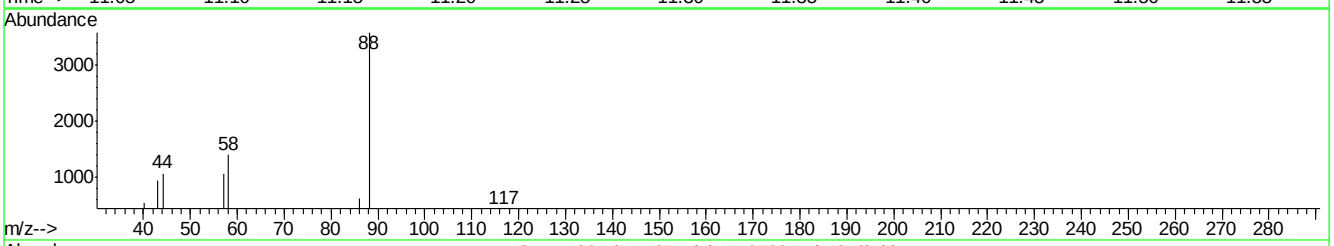
Quantitation Report (Qedit)

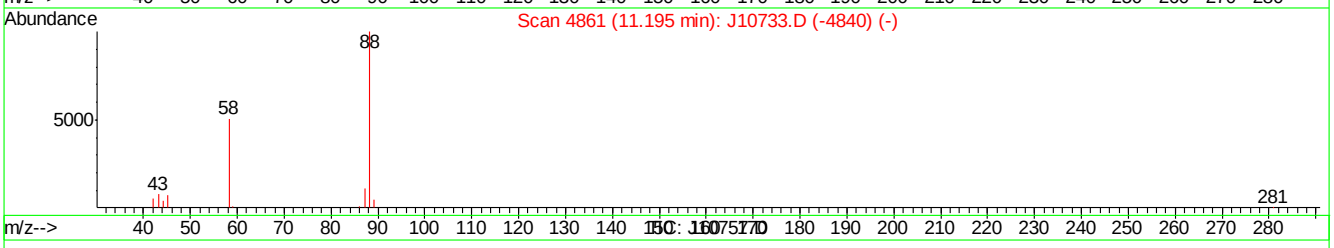
Data File : C:\MSDChem\1\data\J10757.D Vial: 2
Acq On : 25 Jun 2007 10:16 am Operator: danat
Sample : ic557-0.5 (m141) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

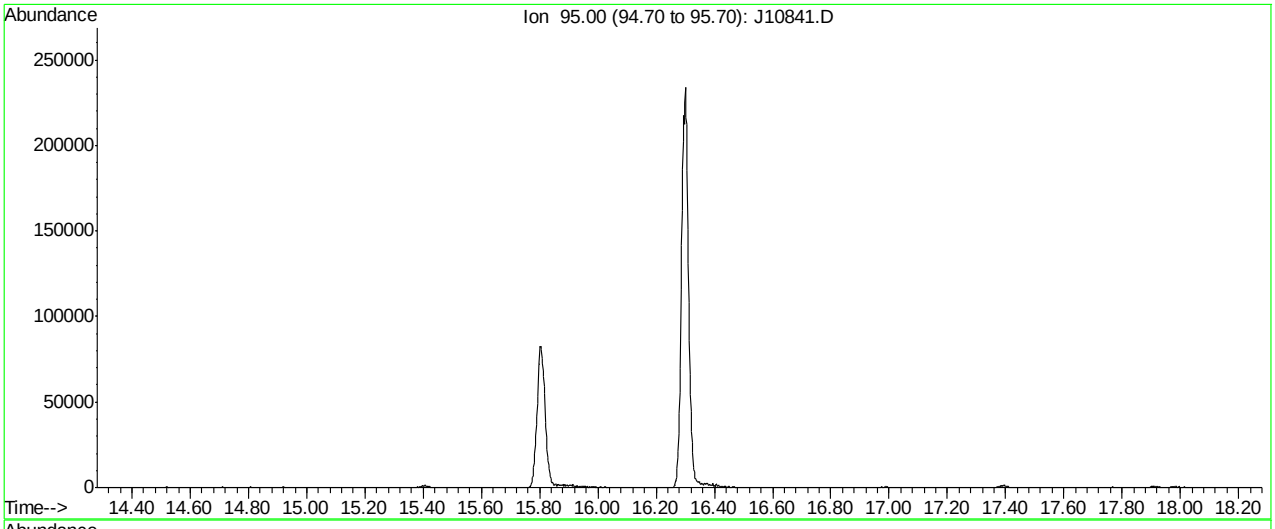
J10757.D J062507T.M Mon Jun 25 10:50:10 2007

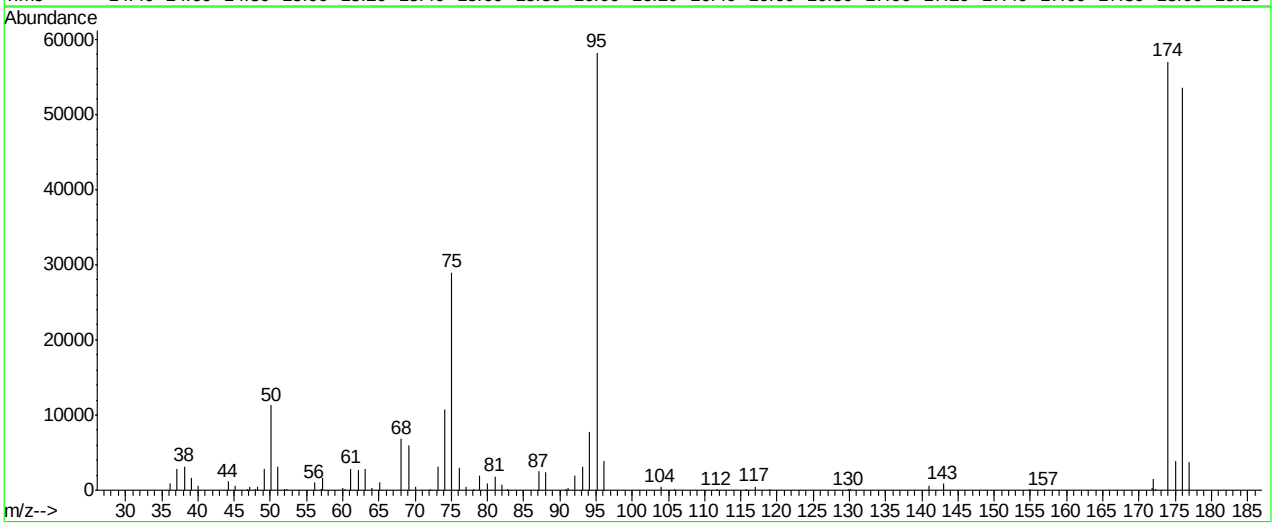
BFB

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)

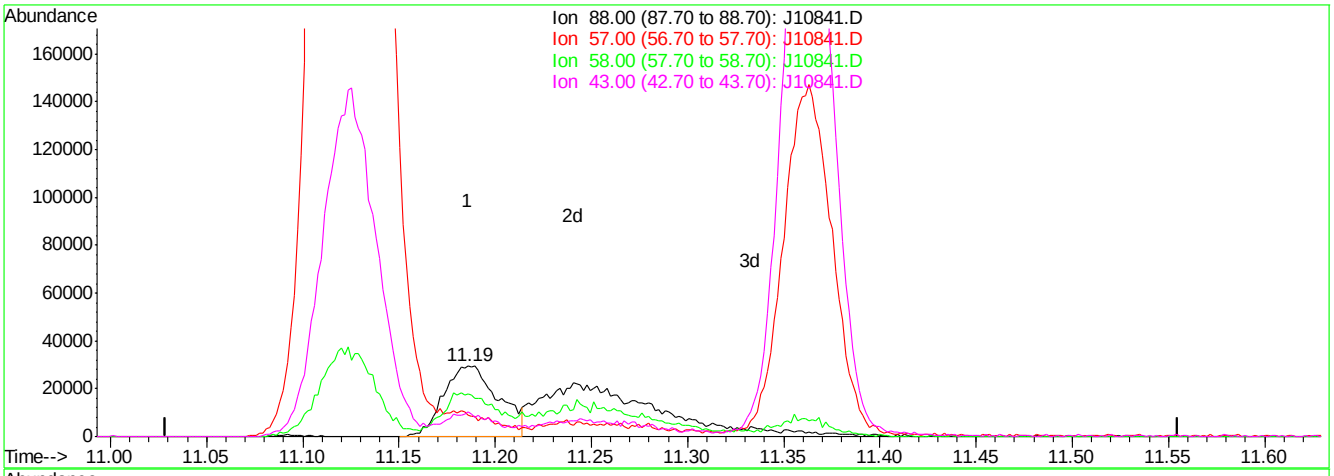
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
91.15	285	119.00	197	175.05	3920		
92.10	1937	129.90	101	176.00	53480		
93.10	3154	130.10	93	177.00	3704		
94.15	7686	140.95	610				
95.10	58224	142.95	887				
96.10	3957	154.90	108				
103.95	403	156.90	113				
105.90	184	171.80	243				
111.70	93	172.00	1560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

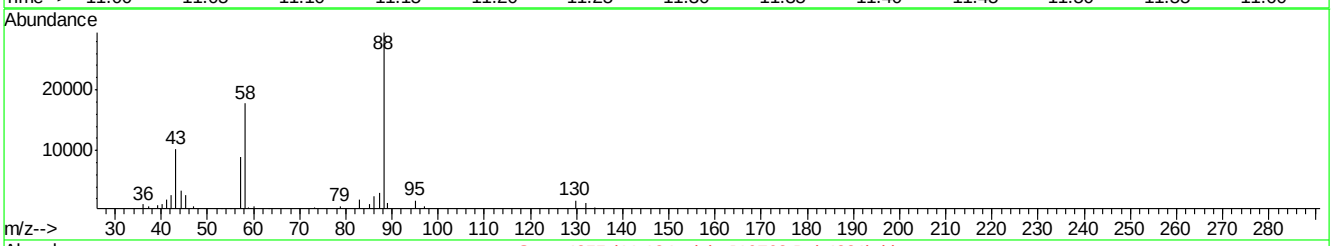
Quantitation Report (Qedit)

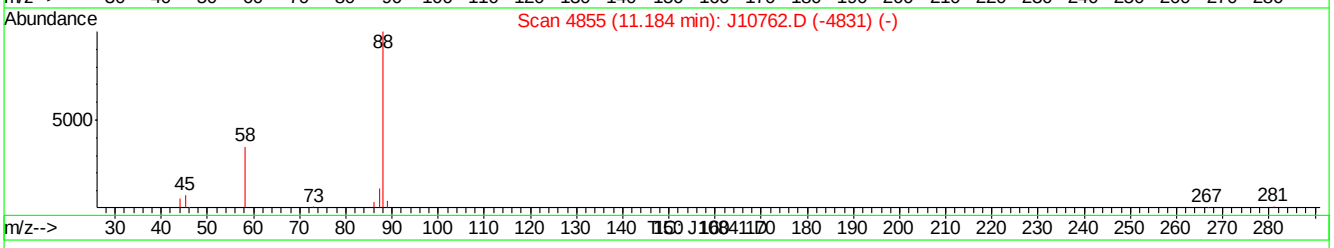
Data File : C:\MSDChem\1\data\J10841.D Vial: 1
Acq On : 3 Jul 2007 11:46 am Operator: danat
Sample : cc557-10 (M080) Inst : MSJ
Misc : MS13762, MSJ561,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

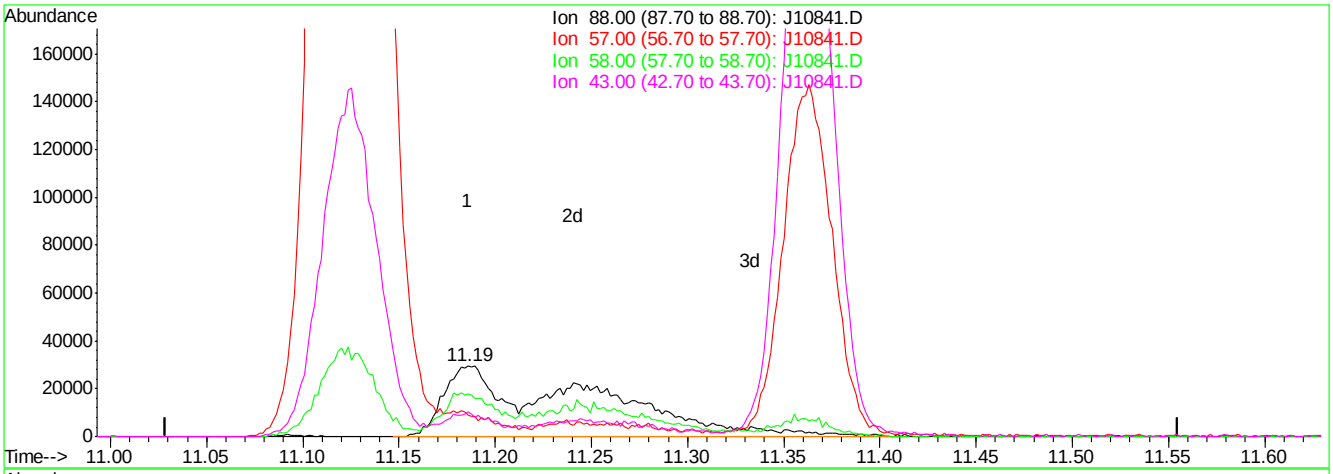
J10841.D J062507T.M Thu Jul 05 17:19:09 2007

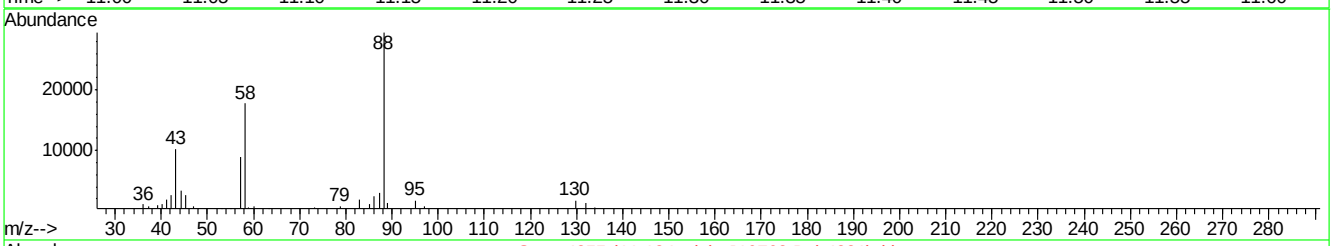
Quantitation Report (Qedit)

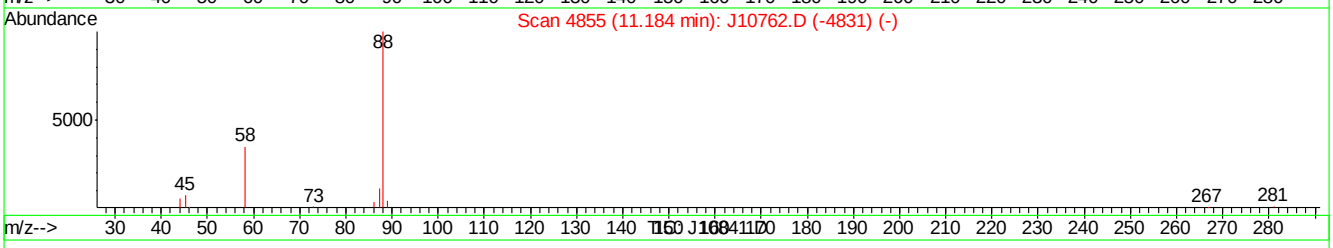
Data File : C:\MSDChem\1\data\J10841.D Vial: 1
Acq On : 3 Jul 2007 11:46 am Operator: danat
Sample : cc557-10 (M080) Inst : MSJ
Misc : MS13762, MSJ561,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

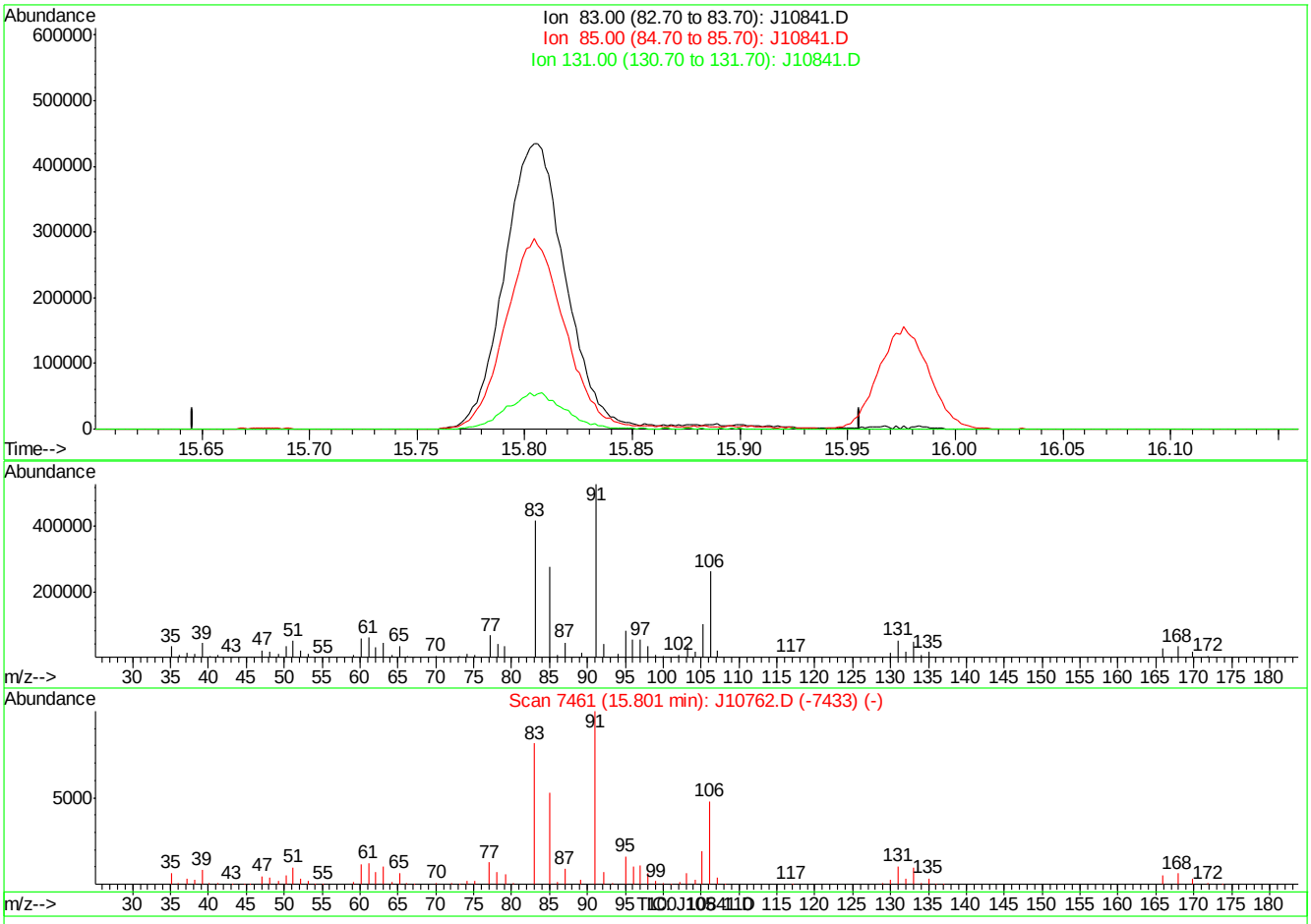
J10841.D J062507T.M Thu Jul 05 17:19:21 2007

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

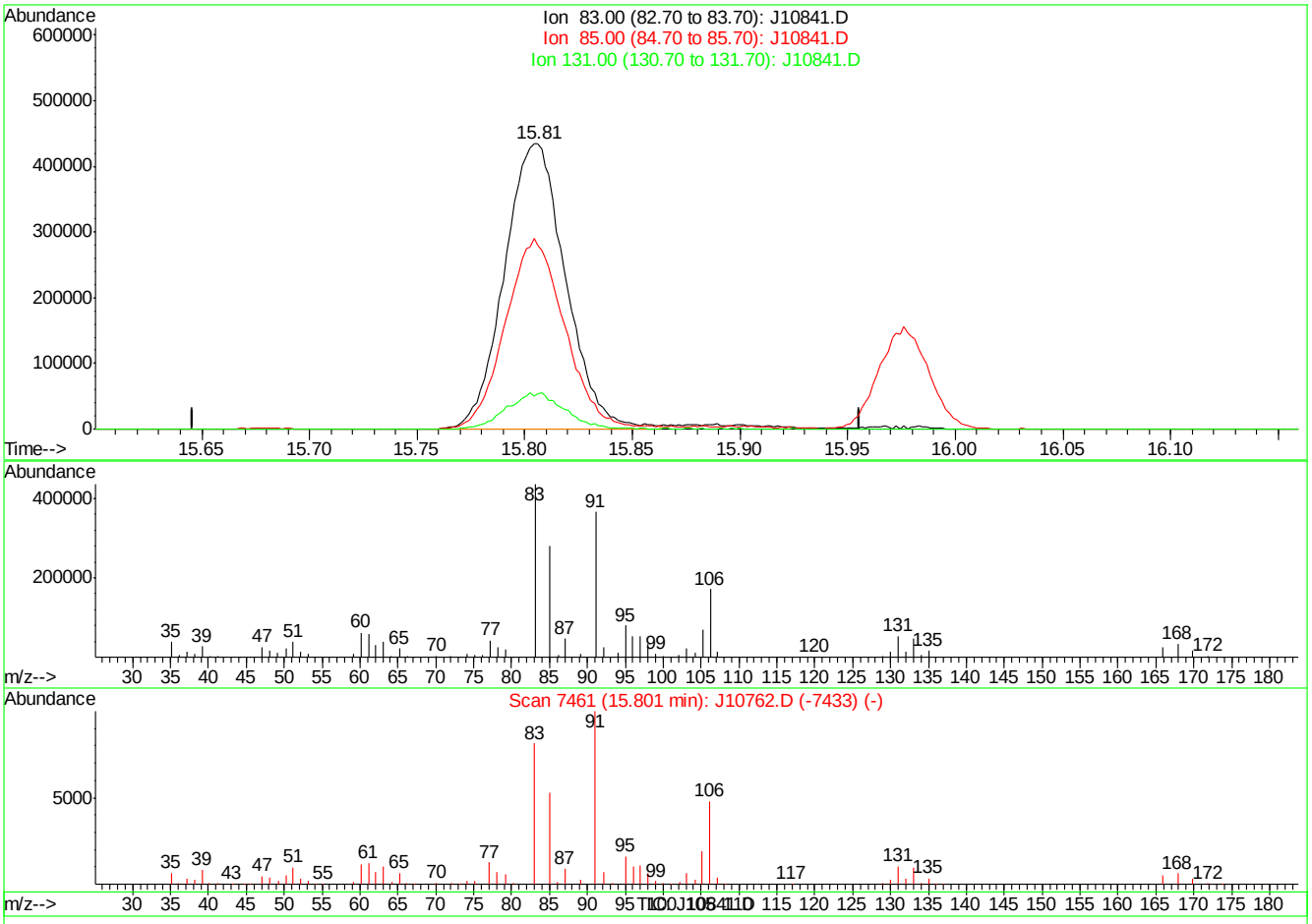
J10841.D J062507T.M Thu Jul 05 17:19:39 2007

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

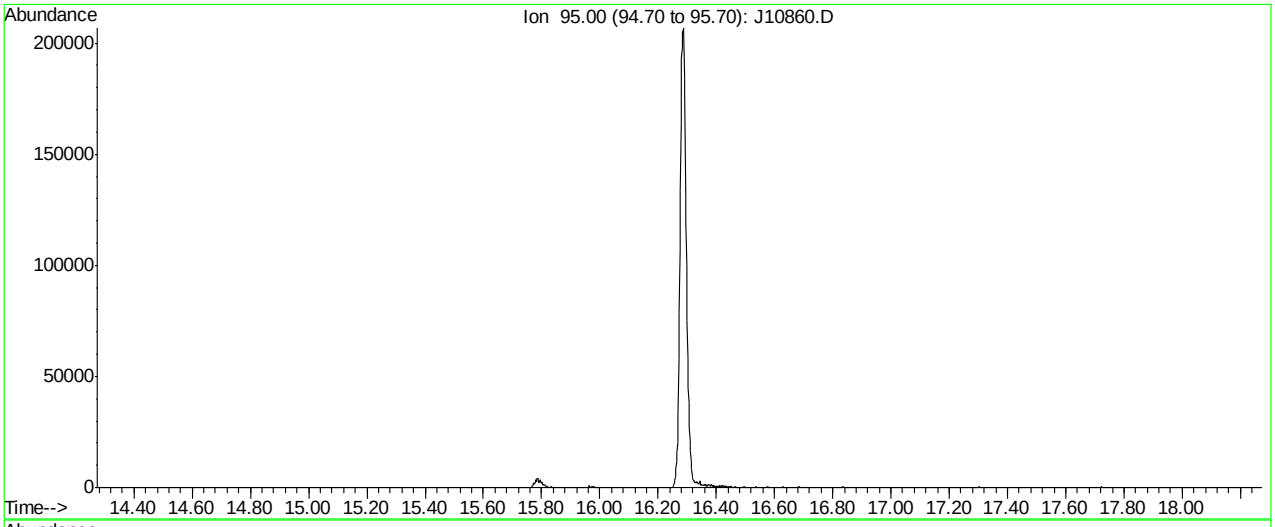
J10841.D J062507T.M Thu Jul 05 17:19:43 2007

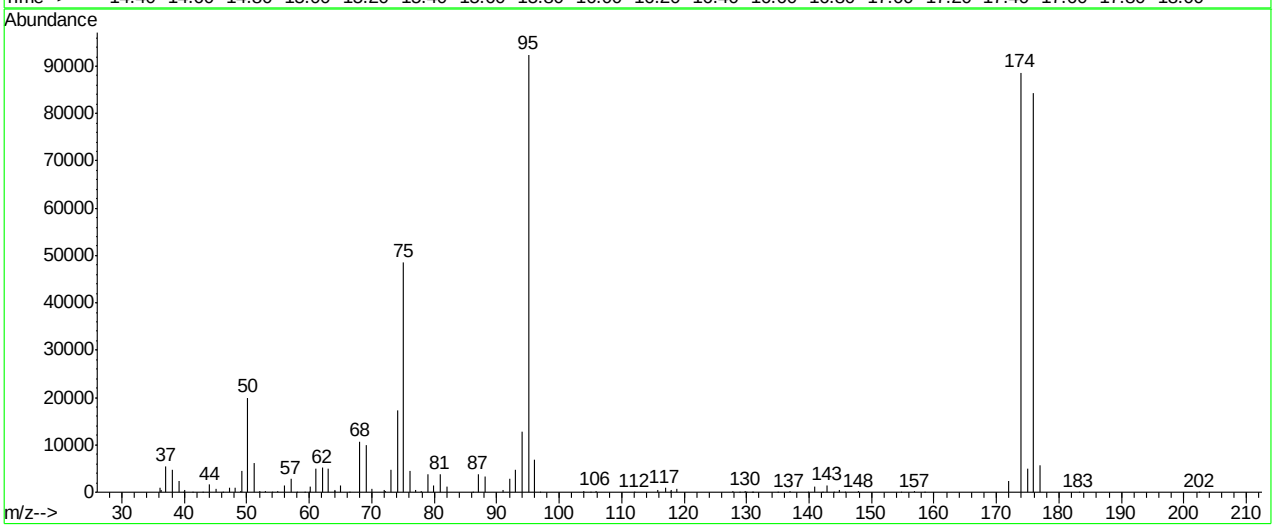
BFB

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)

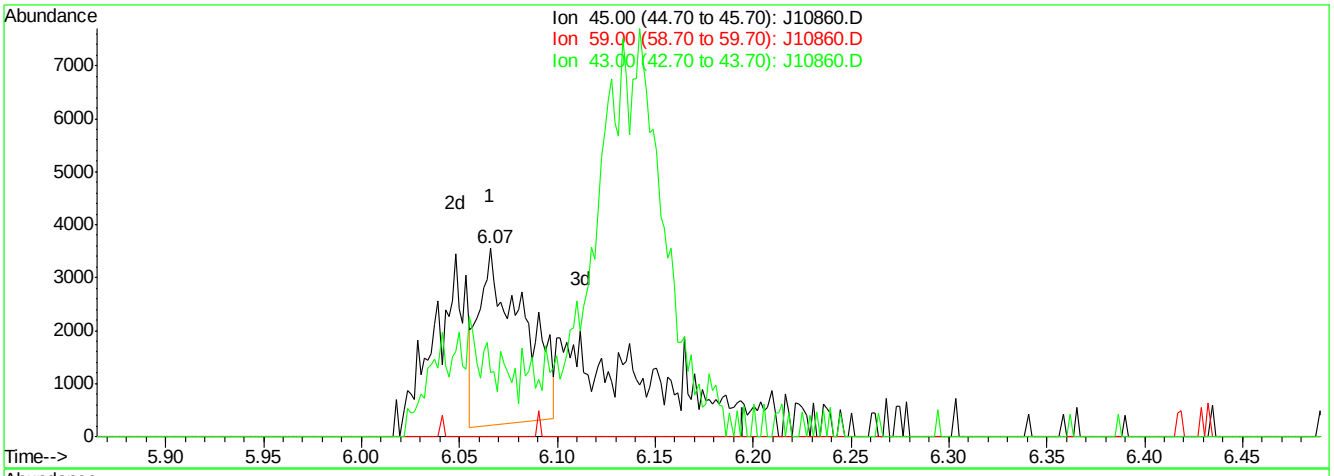
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
171.95	2479						
173.90	88639						
175.00	4877						
175.90	84398						
176.95	5762						
183.20	45						
202.50	46						

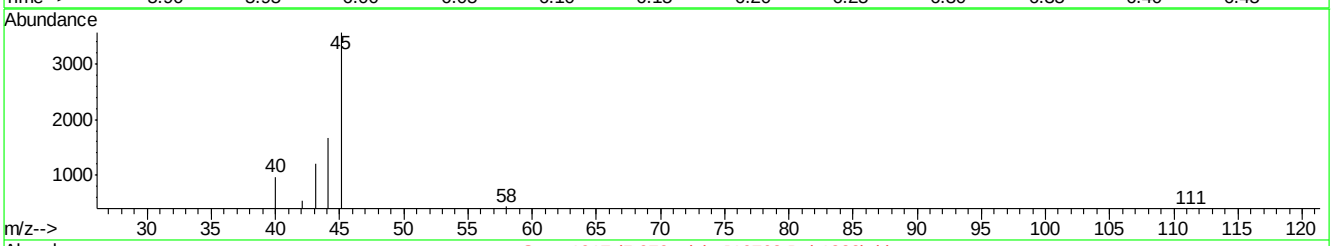
Quantitation Report (Qedit)

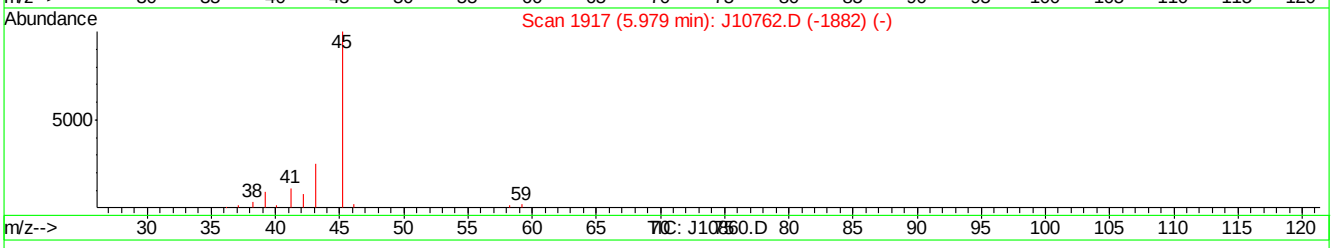
Data File : C:\MSDChem\1\data\J10860.D Vial: 1
Acq On : 5 Jul 2007 10:47 am Operator: danat
Sample : ic562-0.5 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

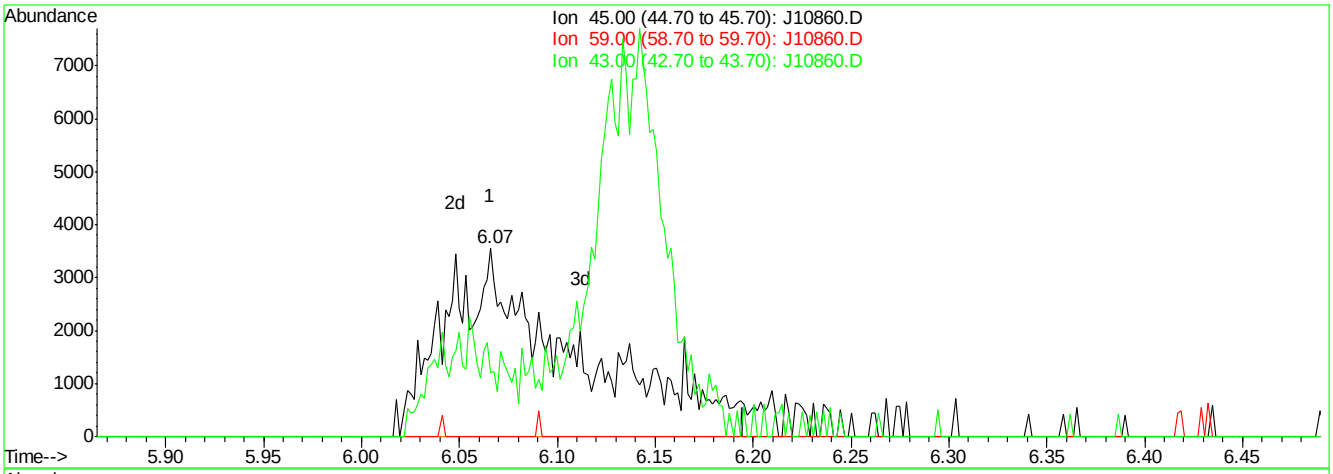
J10860.D J070507T.M Thu Jul 05 11:26:38 2007

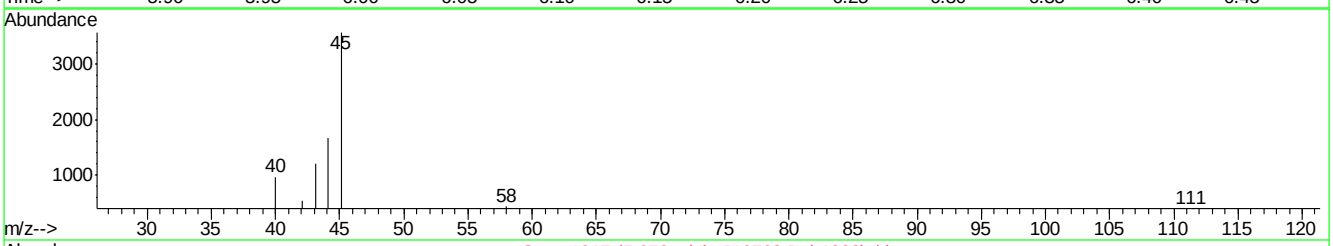
Quantitation Report (Qedit)

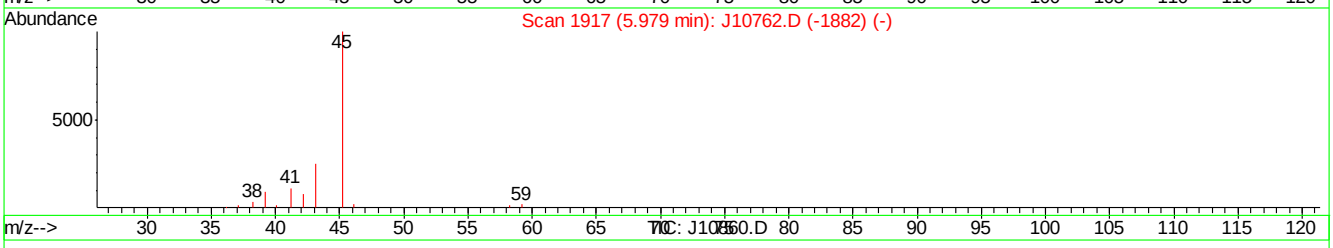
Data File : C:\MSDChem\1\data\J10860.D Vial: 1
Acq On : 5 Jul 2007 10:47 am Operator: danat
Sample : ic562-0.5 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

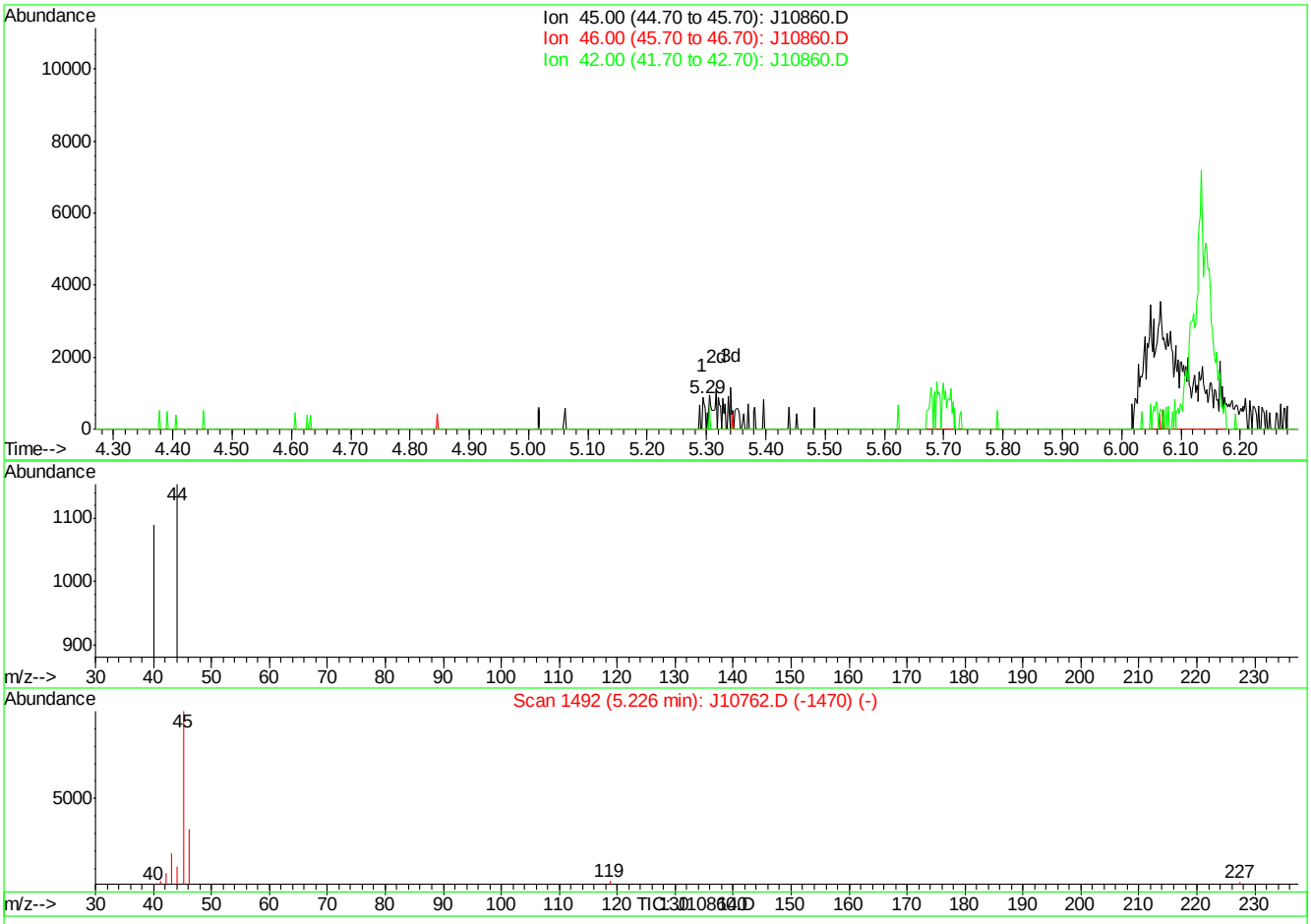
J10860.D J070507T.M Thu Jul 05 11:26:48 2007

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

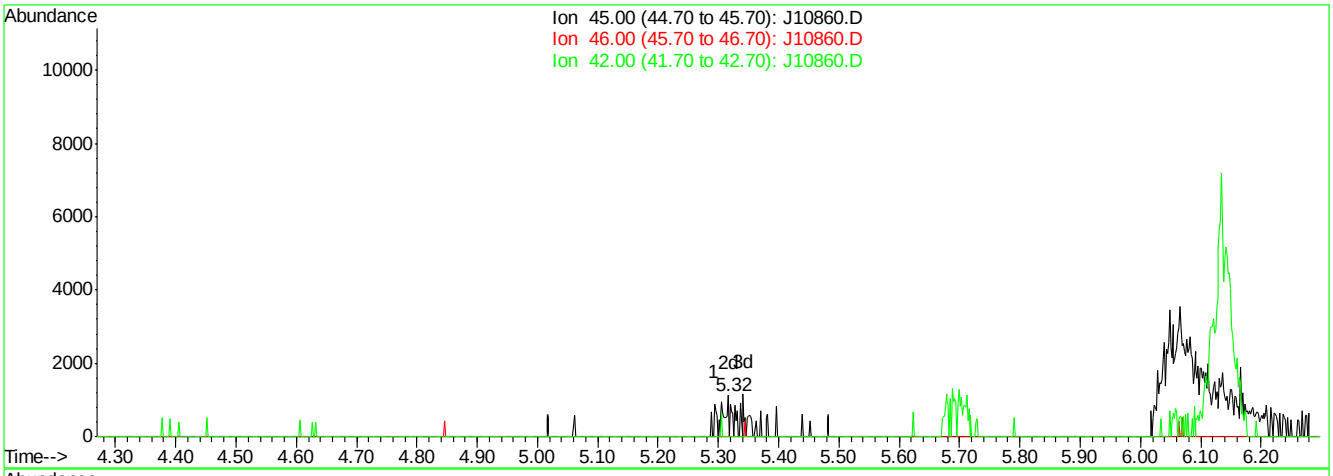
J10860.D J070507T.M Thu Jul 05 11:26:56 2007

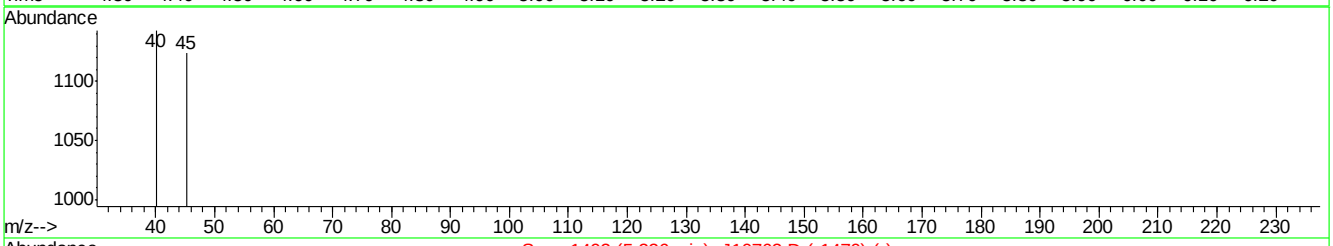
Quantitation Report (Qedit)

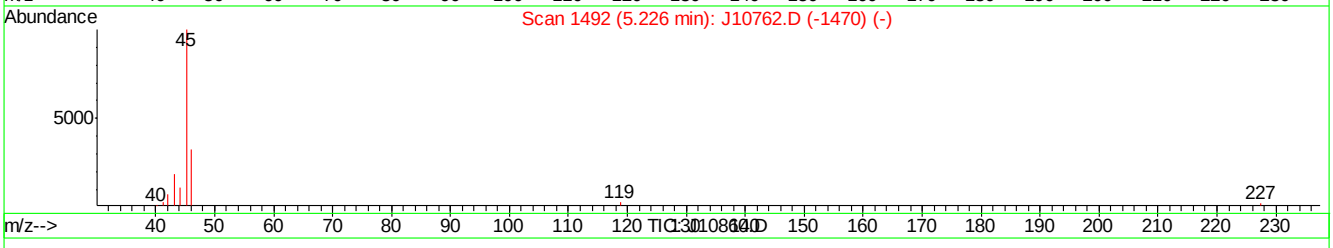
Data File : C:\MSDChem\1\data\J10860.D Vial: 1
Acq On : 5 Jul 2007 10:47 am Operator: danat
Sample : ic562-0.5 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

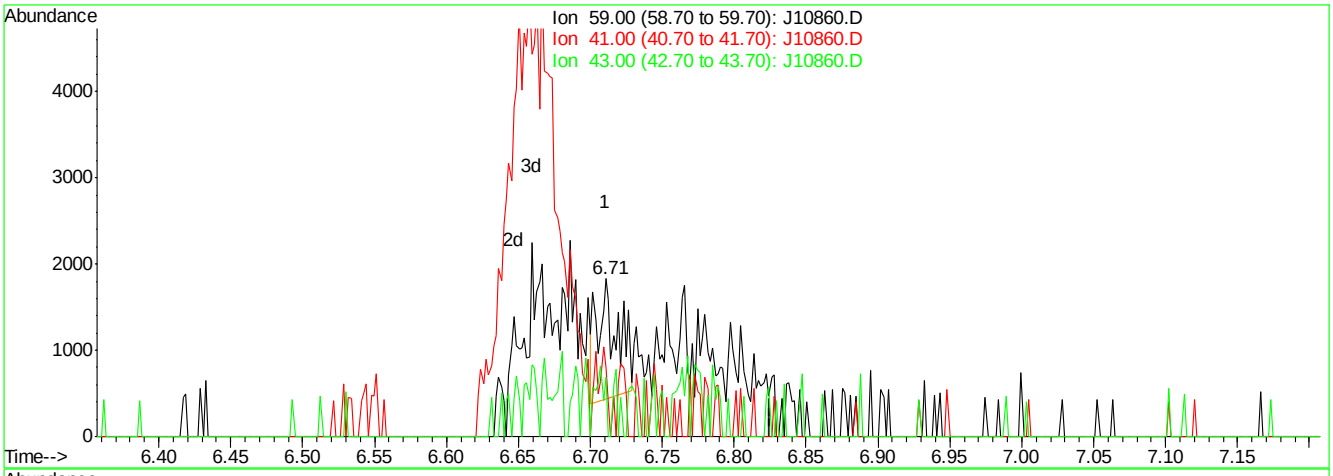
J10860.D J070507T.M Thu Jul 05 11:27:18 2007

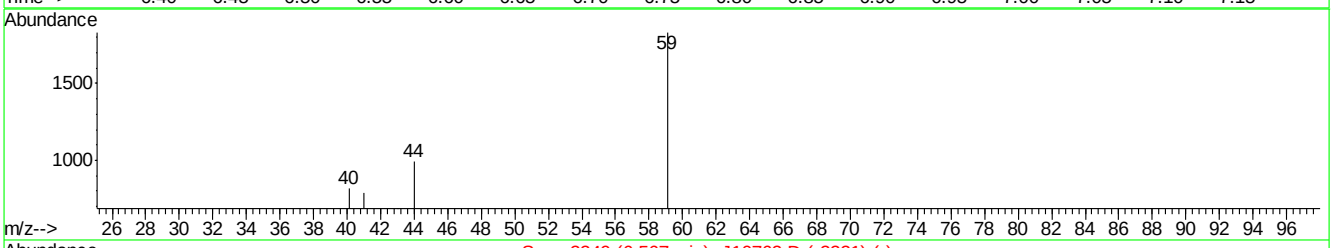
Quantitation Report (Qedit)

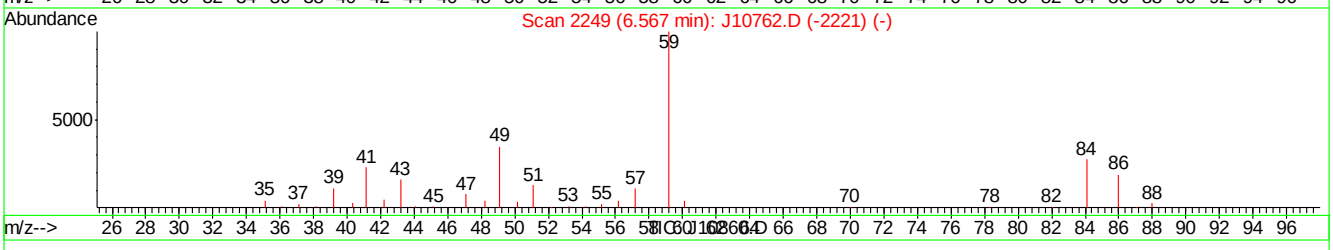
Data File : C:\MSDChem\1\data\J10860.D Vial: 1
Acq On : 5 Jul 2007 10:47 am Operator: danat
Sample : ic562-0.5 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

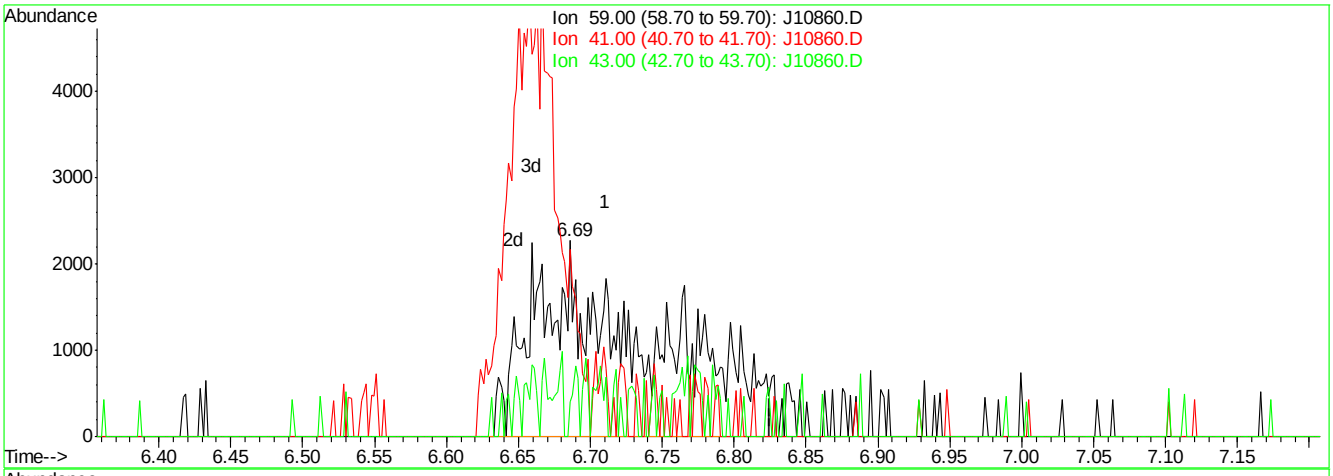
J10860.D J070507T.M Thu Jul 05 11:27:29 2007

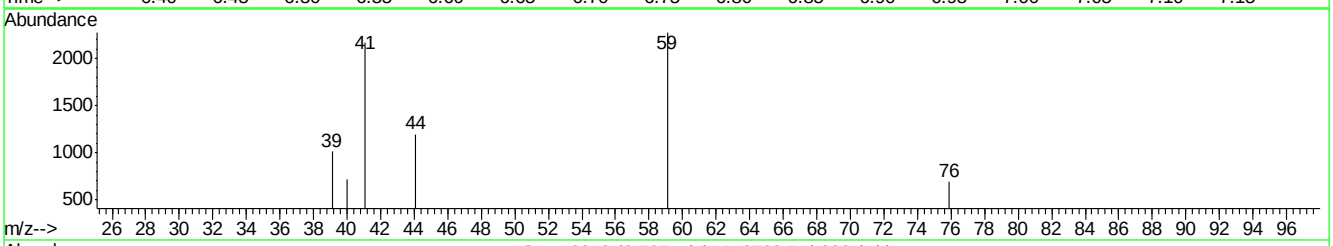
Quantitation Report (Qedit)

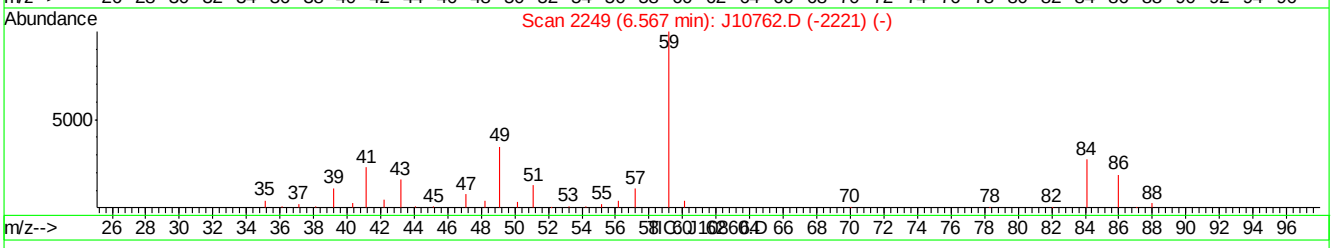
Data File : C:\MSDChem\1\data\J10860.D Vial: 1
Acq On : 5 Jul 2007 10:47 am Operator: danat
Sample : ic562-0.5 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

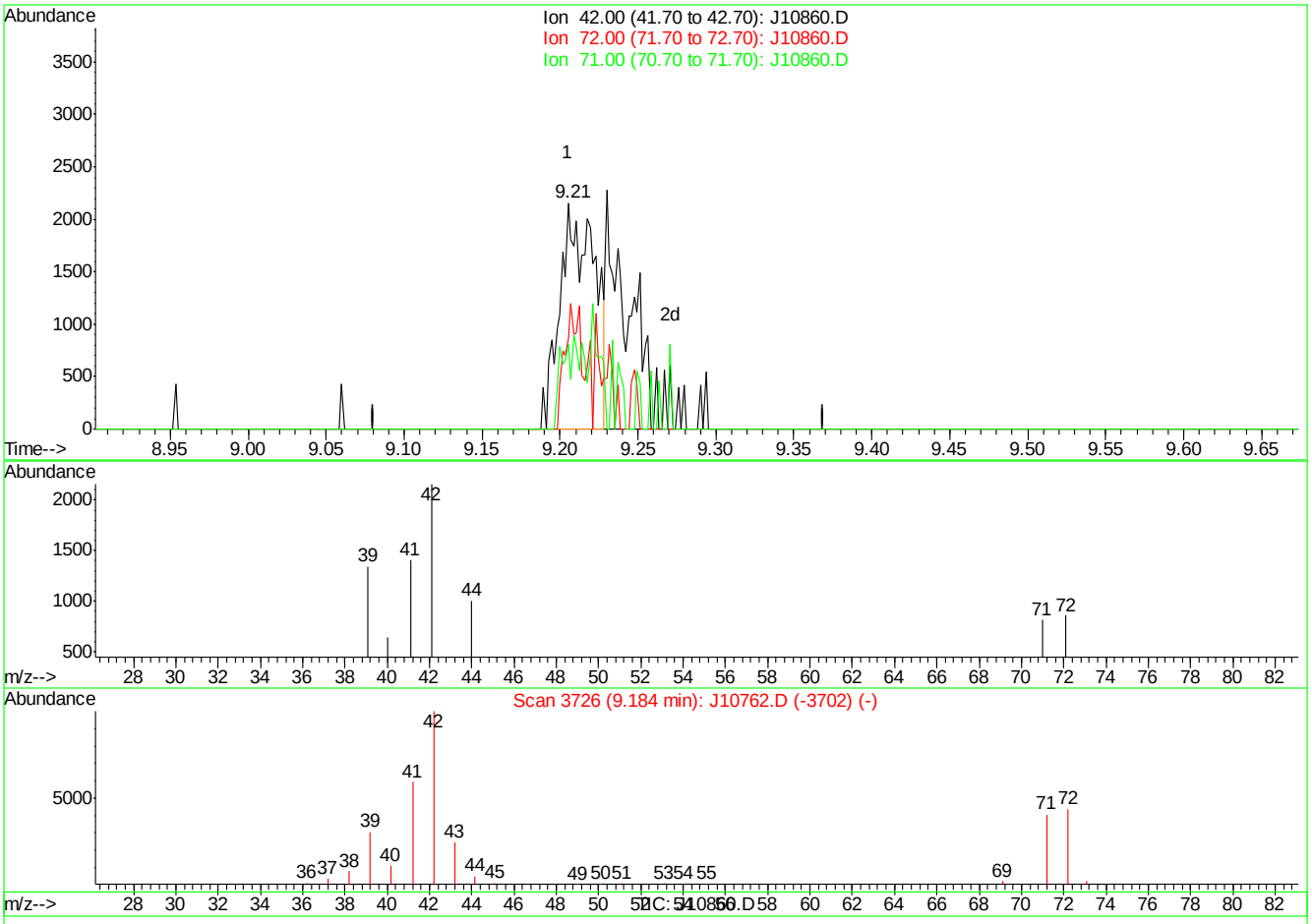
J10860.D J070507T.M Thu Jul 05 11:27:45 2007

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

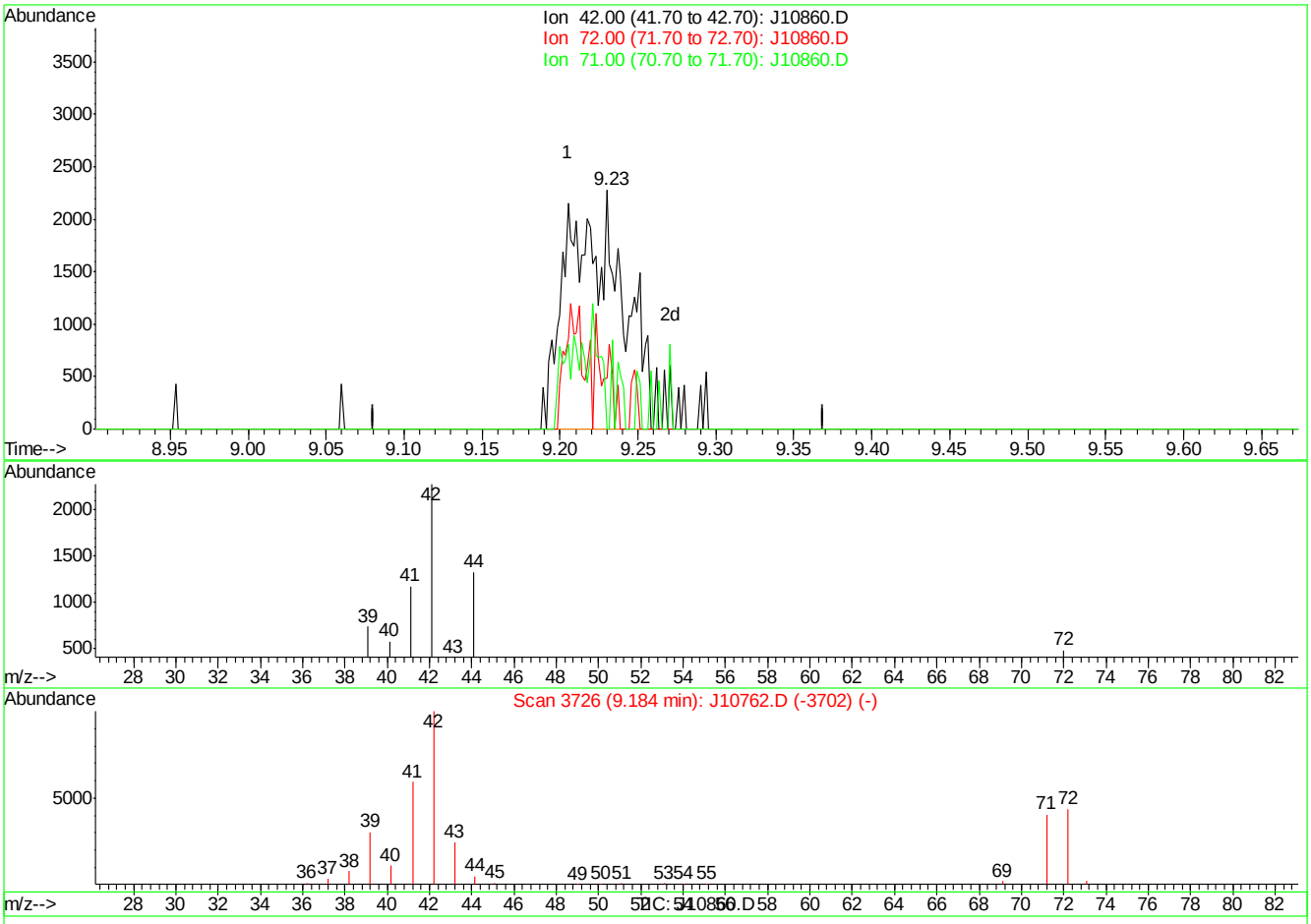
J10860.D J070507T.M Thu Jul 05 11:27:51 2007

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

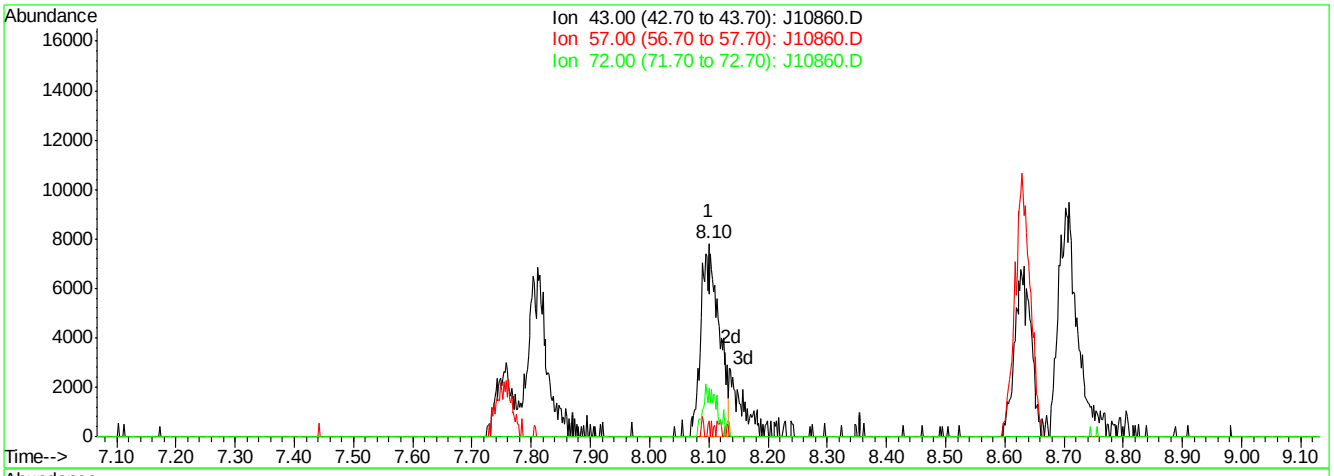
J10860.D J070507T.M Thu Jul 05 11:28:01 2007

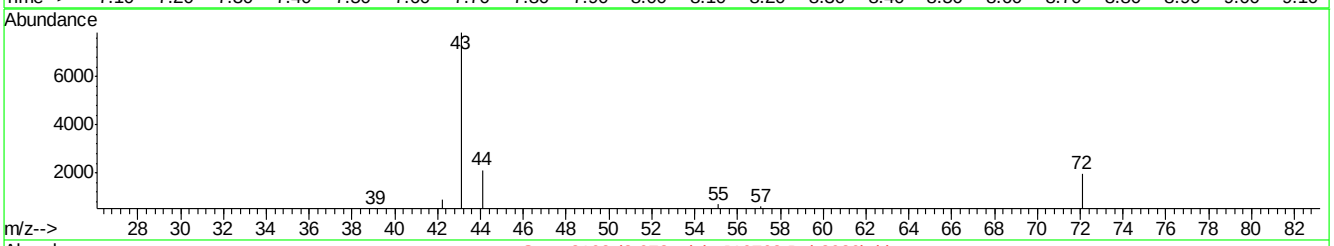
Quantitation Report (Qedit)

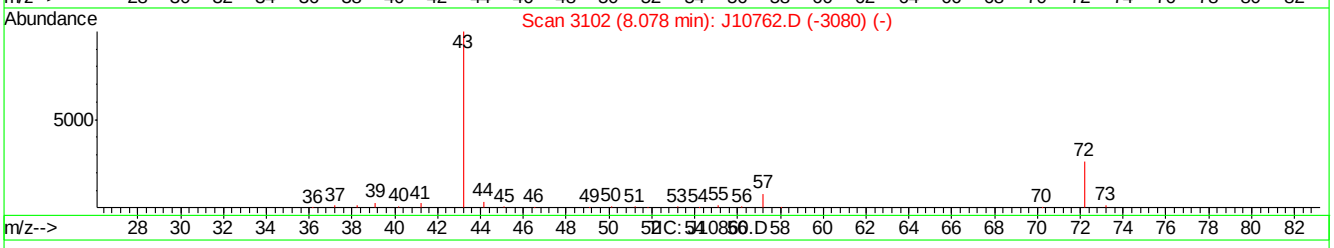
Data File : C:\MSDChem\1\data\J10860.D Vial: 1
Acq On : 5 Jul 2007 10:47 am Operator: danat
Sample : ic562-0.5 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

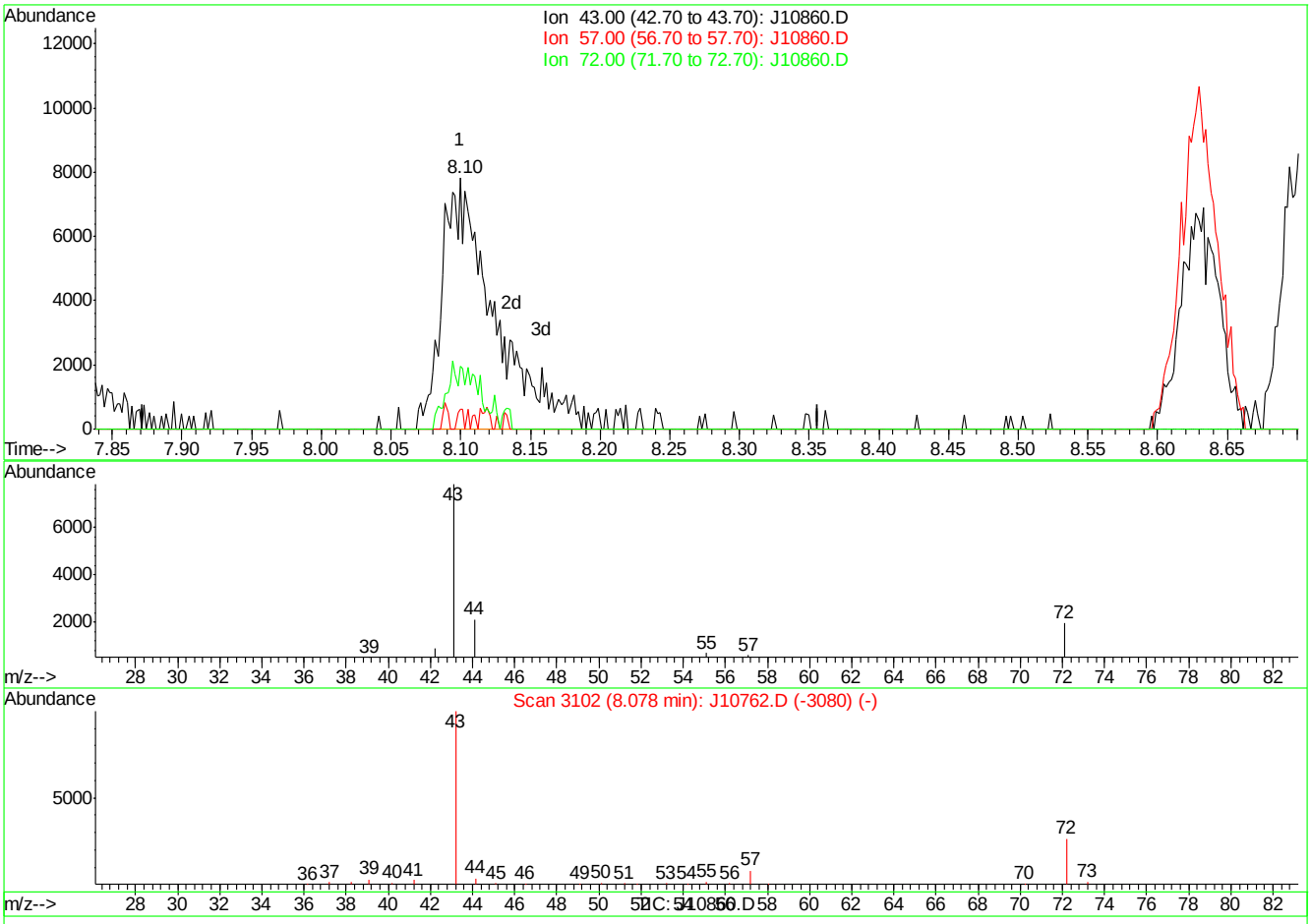
J10860.D J070507T.M Thu Jul 05 11:28:12 2007

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

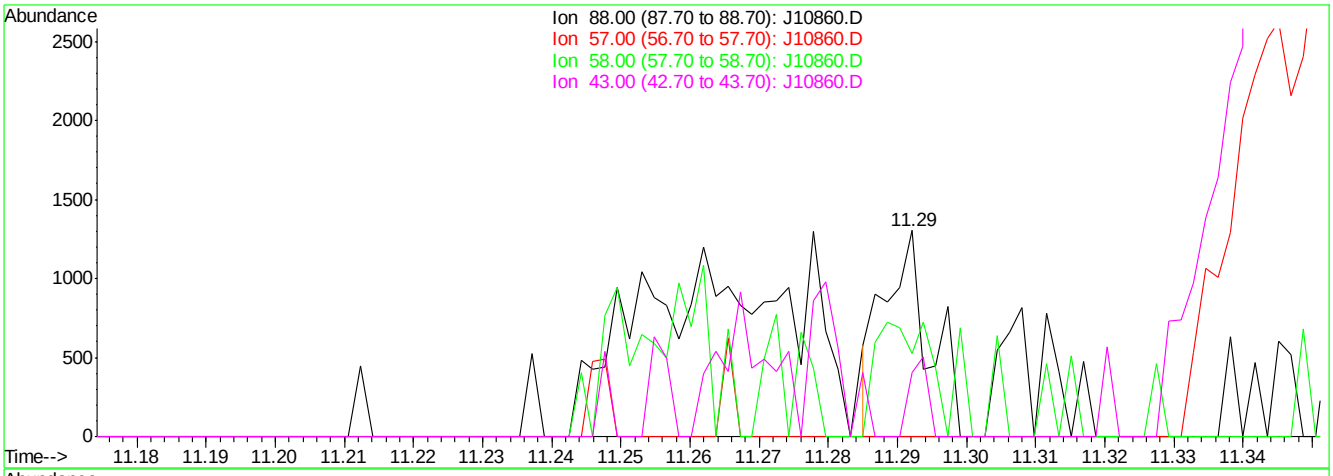
J10860.D J070507T.M Thu Jul 05 11:28:19 2007

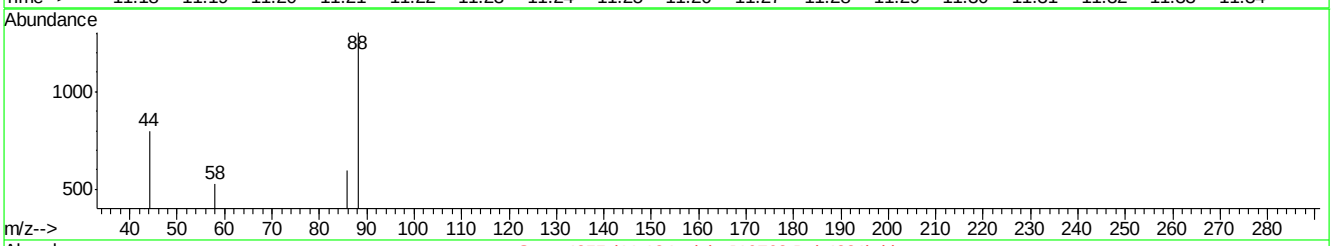
Quantitation Report (Qedit)

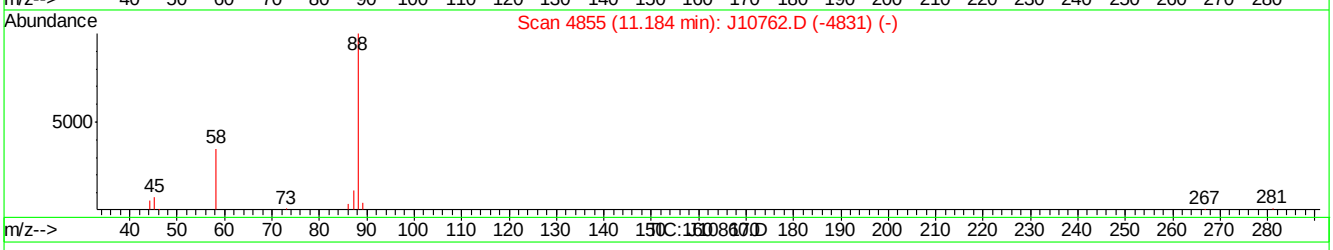
Data File : C:\MSDChem\1\data\J10860.D Vial: 1
Acq On : 5 Jul 2007 10:47 am Operator: danat
Sample : ic562-0.5 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

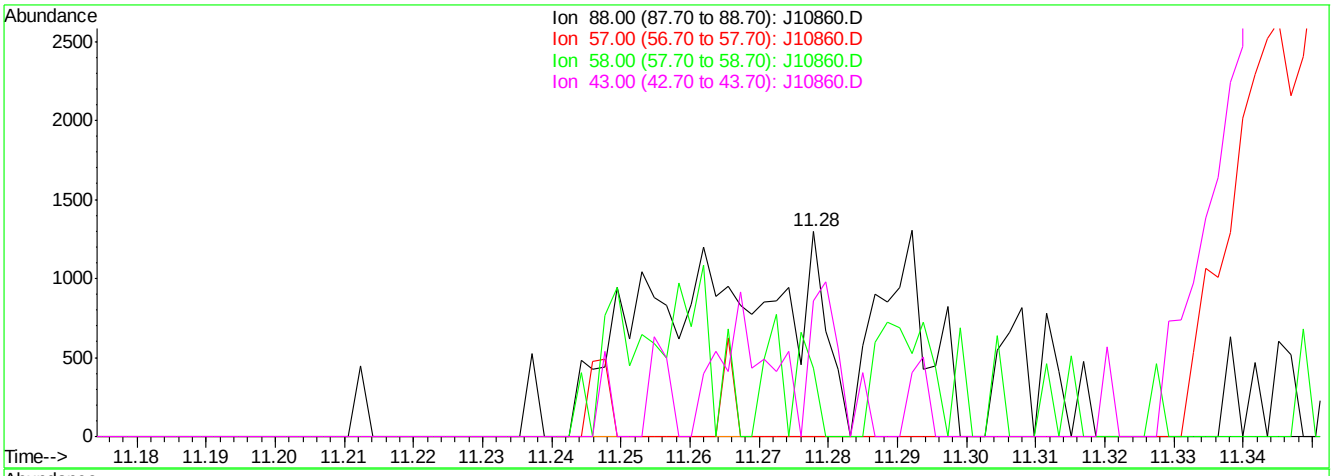
J10860.D J070507T.M Thu Jul 05 11:28:38 2007

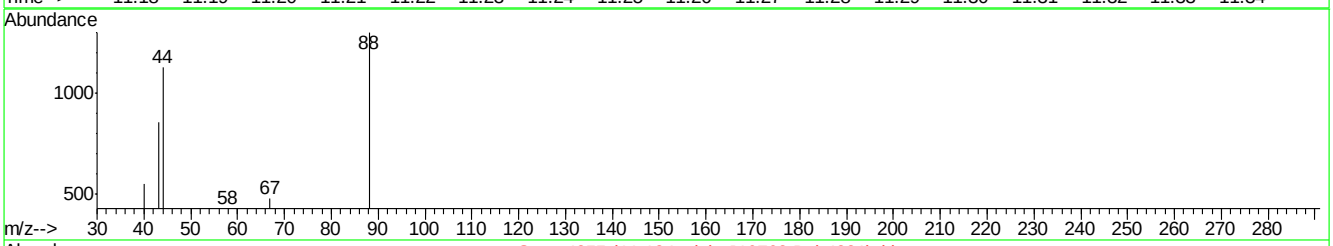
Quantitation Report (Qedit)

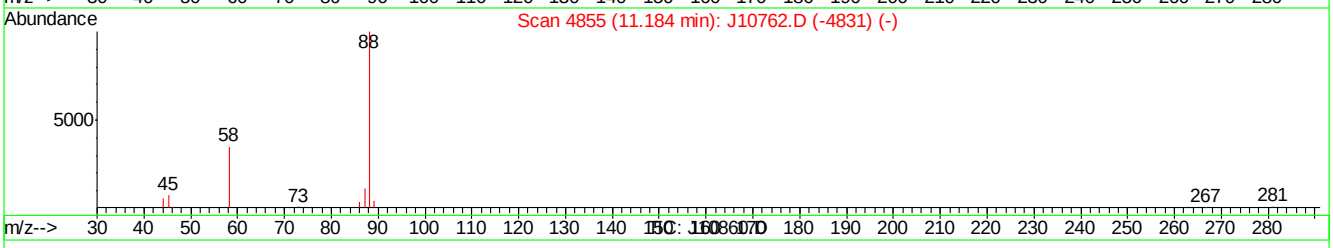
Data File : C:\MSDChem\1\data\J10860.D Vial: 1
Acq On : 5 Jul 2007 10:47 am Operator: danat
Sample : ic562-0.5 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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#

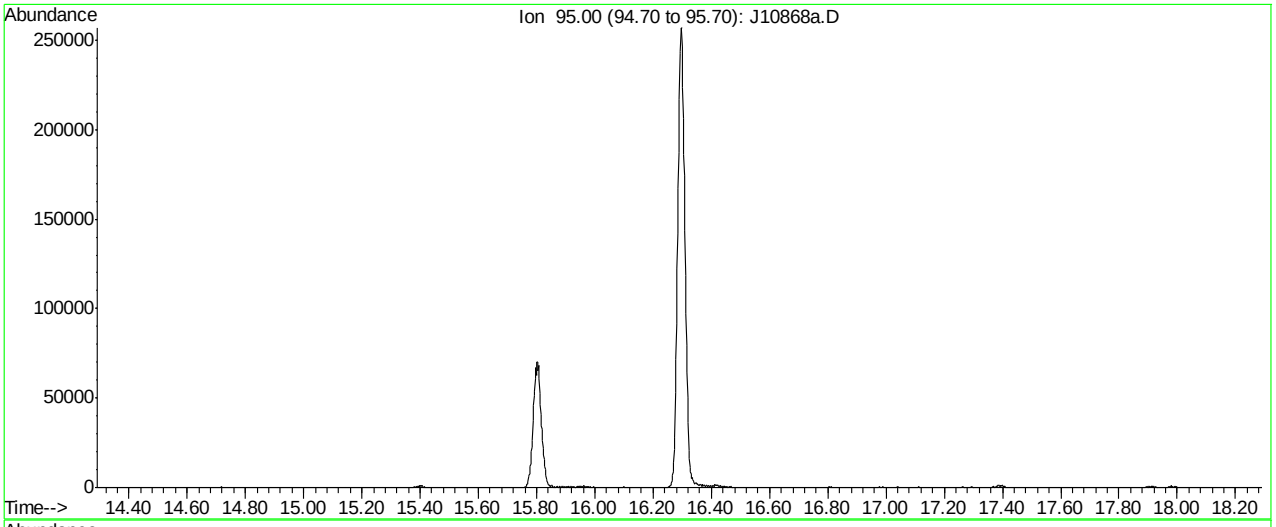
J10860.D J070507T.M Thu Jul 05 11:28:45 2007

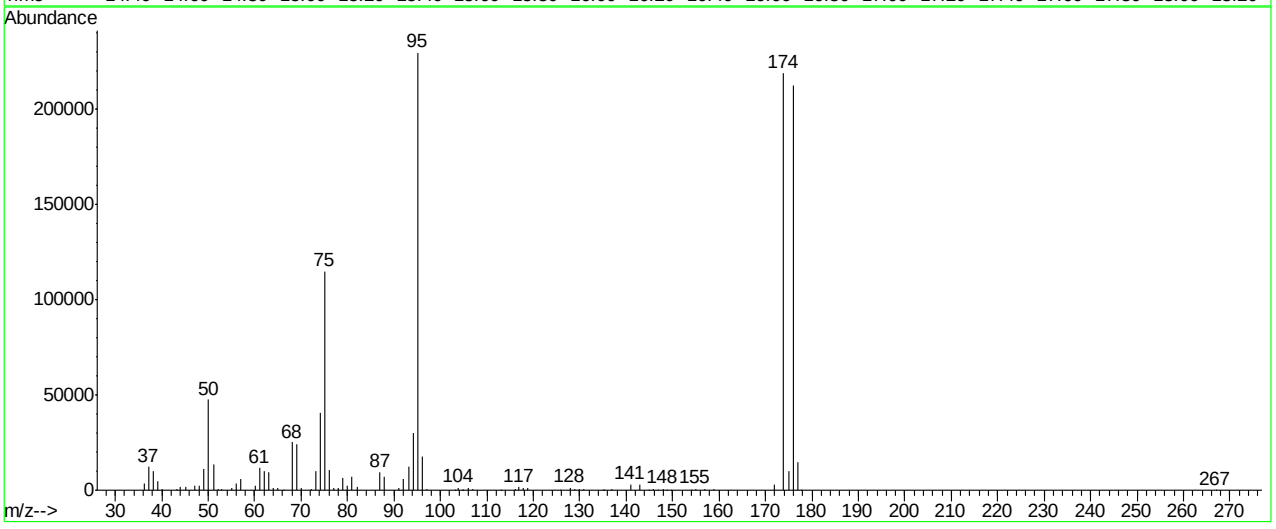
BFB

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)

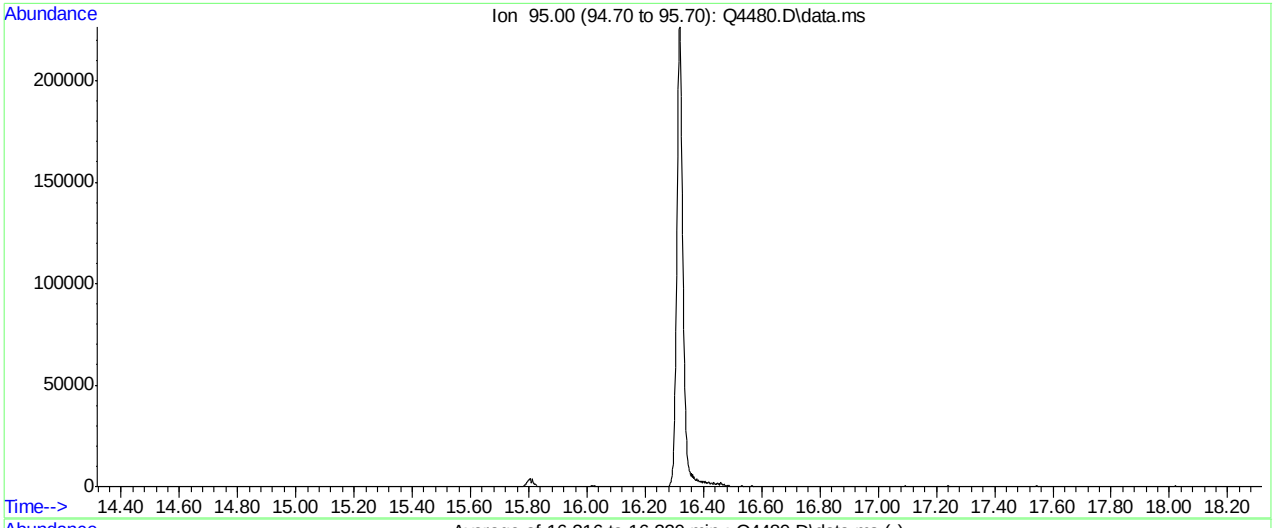
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
94.15	30008	116.05	885	136.85	497	156.95	541
95.10	229440	116.95	1589	140.90	3098	158.85	689
96.10	17680	117.90	1222	142.90	2899	171.90	2894
97.10	647	118.90	1290	144.90	309	173.90	218688
103.00	232	125.90	212	145.80	383	175.00	10052
103.90	1206	127.90	1322	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		

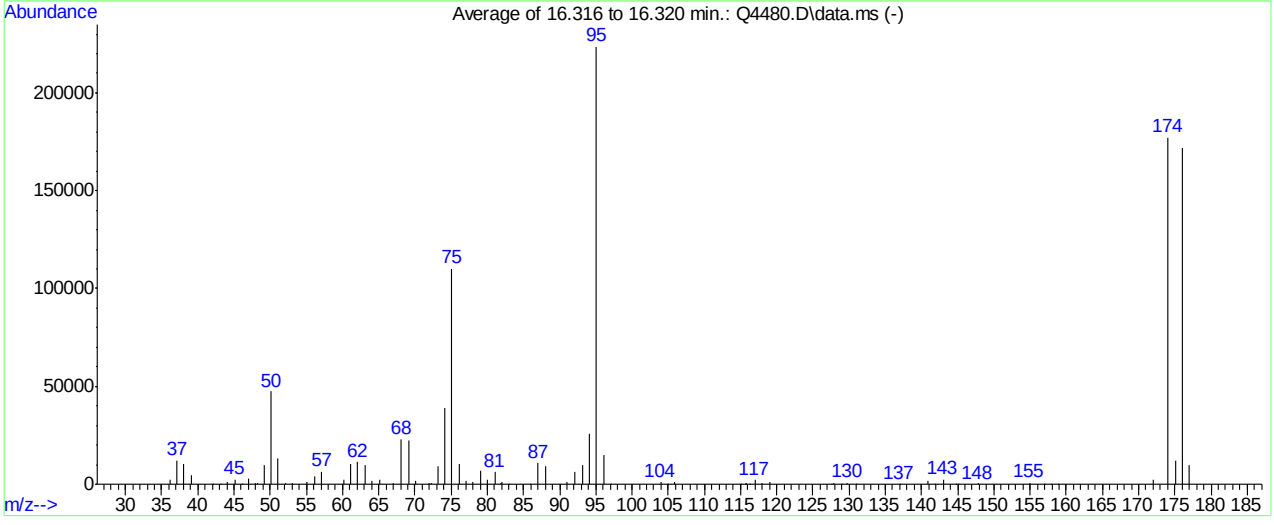
BFB

Data File : C:\msdchem\1\DATA\Q4480.D
Acq On : 4 Sep 2007 11:35 am
Sample : ic235-0.5 (M174)
Misc : MS14204, MSQ235,,,,,1
MS Integration Params: LSCINT.P

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

Method : C:\msdchem\1\METHODS\Q090407T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um





AutoFind: Scans 7737, 7738, 7739; Background Corrected with Scan 7714

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	21.2	47368	PASS
75	95	30	66	49.2	110152	PASS
95	95	100	100	100.0	223722	PASS
96	95	5	9	6.6	14822	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	79.2	177258	PASS
175	174	4	9	6.9	12212	PASS
176	174	93	101	96.9	171797	PASS
177	176	5	9	5.8	10033	PASS

Q4480.D Q090407T.m Wed Sep 05 13:33:43 2007 RPT1

Average of 16.316 to 16.320 min.: Q4480.D\data.ms
ic235-0.5 (M174)
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.15	2343	48.25	700	62.10	11436	74.15	38949
37.15	12050	49.15	9883	63.15	9789	75.10	110152
38.10	10620	50.15	47368	64.10	1469	76.10	10508
39.10	4491	51.10	13182	65.10	2074	77.05	1911
42.10	162	52.05	834	67.05	638	78.00	1339
43.10	148	53.05	416	68.10	23085	79.00	6922
44.00	945	55.00	977	69.10	22648	80.05	2318
45.10	2466	56.10	3952	70.05	1829	81.05	6194
46.10	144	57.10	6519	71.90	351	81.90	830
47.05	2820	60.10	2373	72.20	816	82.05	1224
48.00	669	61.10	10447	73.15	9349	83.00	141

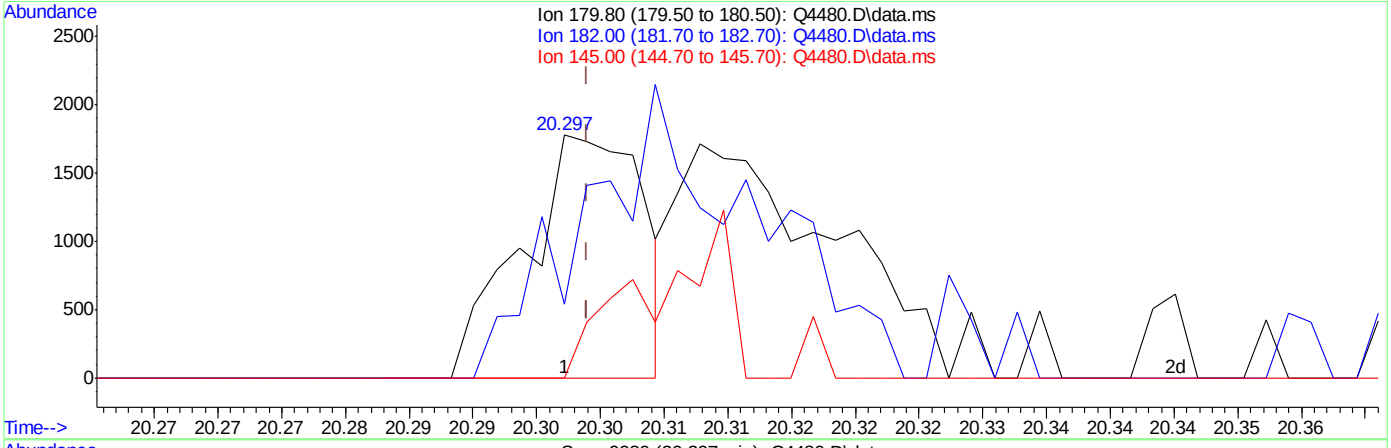
Average of 16.316 to 16.320 min.: Q4480.D\data.ms
ic235-0.5 (M174)
Modified:subtracted

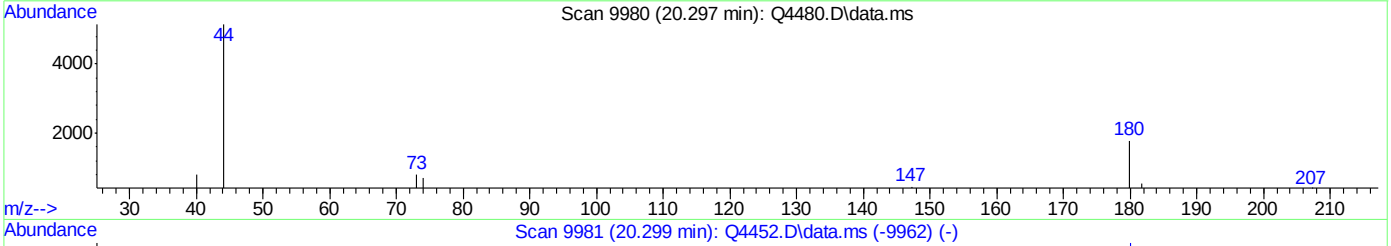
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
85.90	240	104.90	179	129.00	183	157.00	163
87.05	10652	105.95	927	129.75	787	157.90	214
88.05	9187	115.00	152	130.90	136	158.90	136
91.05	897	115.70	172	137.00	183	171.95	2259
92.15	6161	115.85	498	140.95	1860	174.05	177258
93.10	10010	116.20	182	141.85	306	175.05	12212
94.10	25816	116.95	2179	143.00	2553	176.05	171797
95.10	223722	117.95	694	144.80	243	177.05	10033
96.10	14822	119.00	1222	145.00	198		
97.10	249	127.60	143	147.85	515		
104.00	987	127.90	403	154.95	661		

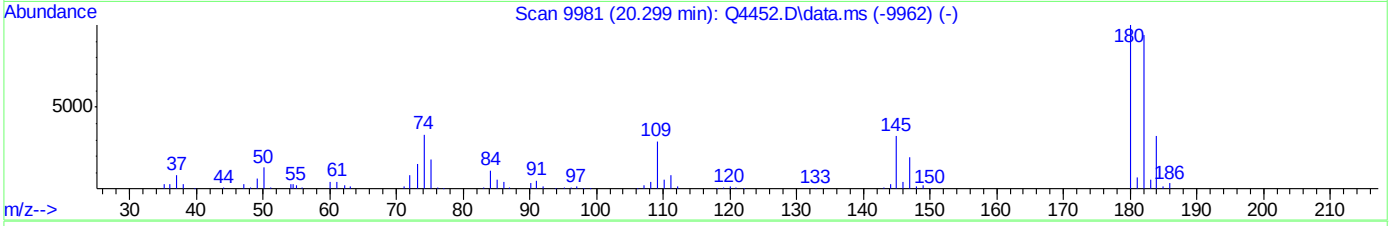
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4480.D
Acq On : 4 Sep 2007 11:35 am
Operator : danat
Sample : ic235-0.5 (M174)
Misc : MS14204, MSQ235,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 04 12:02:49 2007
Quant Method : C:\msdchem\1\METHODS\Q090407T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Sep 04 12:02:40 2007
Response via : Initial Calibration







TIC: Q4480.D\data.ms

(73) 1,2,4-TRICHLOROBENZENE (m)

20.297min (-0.002) 0.05PPBV

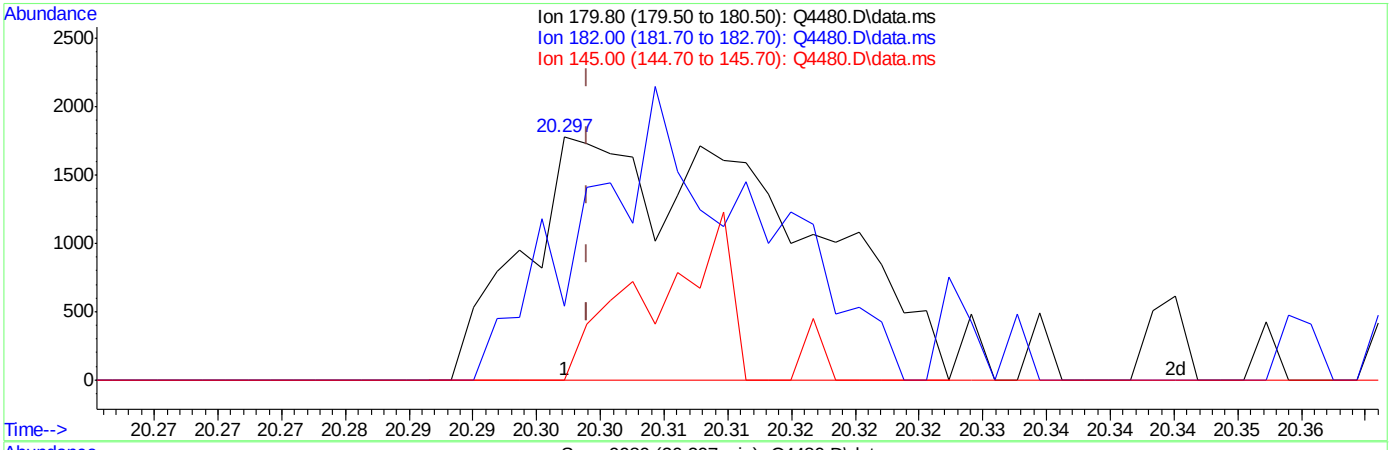
response 1161

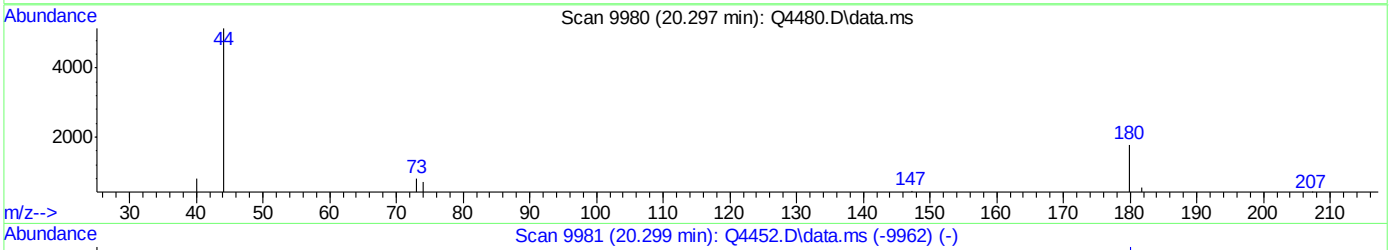
Ion	Exp%	Act%
179.80	100	100
182.00	97.40	173.56#
145.00	31.30	44.10
0.00	0.00	0.00

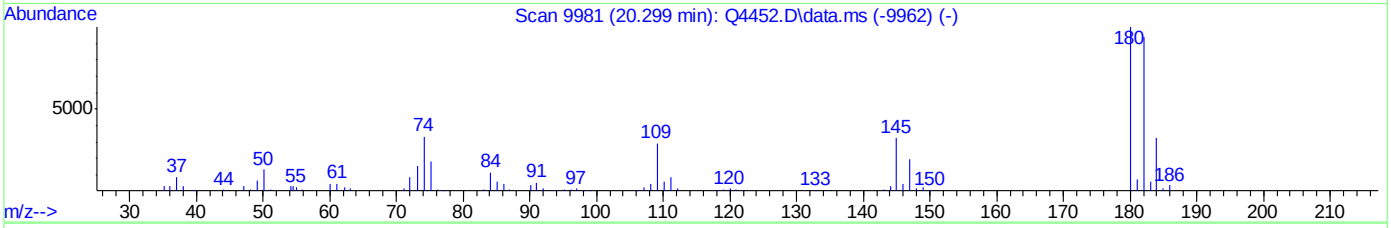
Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q4480.D
Acq On    :  4 Sep 2007  11:35 am
Operator  : danat
Sample    : ic235-0.5 (M174)
Misc      : MS14204, MSQ235,,,,,1
ALS Vial  : 1   Sample Multiplier: 1

Quant Time: Sep 04 12:02:49 2007
Quant Method : C:\msdchem\1\METHODS\Q090407T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Sep 04 12:02:40 2007
Response via : Initial Calibration
```





TIC: Q4480.D\data.ms

(73) 1,2,4-TRICHLOROBENZENE (m)

20.297min (-0.002) 0.12PPBV m

response 2612

Ion	Exp%	Act%
179.80	100	100
182.00	97.40	77.14#
145.00	31.30	19.60
0.00	0.00	0.00

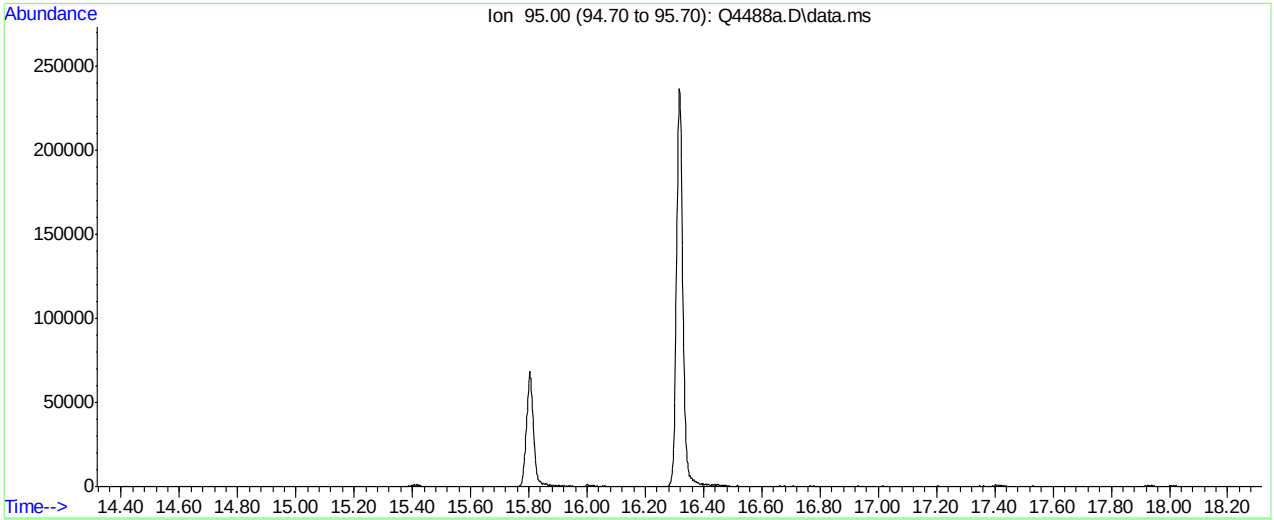
ACCUTEST Laboratories M67337

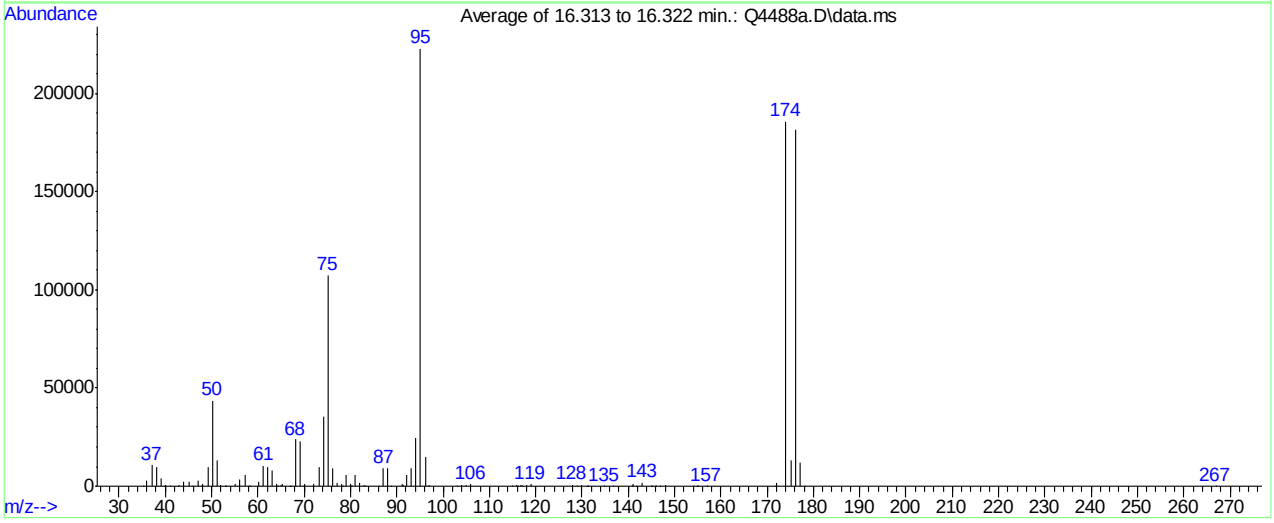
BFB

Data File : C:\msdchem\1\DATA\Q4488a.D
Acq On : 4 Sep 2007 5:27 pm
Sample : cc235-10 (M217)
Misc : MS14204, MSQ235,,,,,1
MS Integration Params: LSCINT.P

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

Method : C:\msdchem\1\METHODS\Q090407T.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 16.322 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	19.6	43618	PASS
75	95	30	66	48.2	107478	PASS
95	95	100	100	100.0	222976	PASS
96	95	5	9	6.6	14640	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	83.4	185856	PASS
175	174	4	9	7.0	12993	PASS
176	174	93	101	97.7	181600	PASS
177	176	5	9	6.7	12169	PASS

Q4488a.D Q090407T.m Wed Sep 05 13:44:55 2007 RPT1

Average of 16.313 to 16.322 min.: Q4488a.D\data.ms
cc235-10 (M217)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.30	73	45.80	97	56.10	3616	65.15	1146
36.05	2945	47.05	2677	57.15	5663	66.85	256
37.15	10749	47.70	245	57.90	84	67.20	176
38.15	9969	48.05	1373	58.15	170	68.10	23852
39.15	4166	49.15	9489	60.05	2179	69.15	22754
39.90	279	50.15	43618	61.15	10404	69.90	265
40.10	439	51.15	13223	62.10	9626	70.15	1271
41.10	212	52.05	704	63.10	8217	72.05	1413
42.95	318	52.90	87	64.05	1046	73.15	10001
44.05	2457	53.20	78	64.40	117	74.15	35709
45.10	2101	55.05	1128	65.00	498	75.15	107478

Average of 16.313 to 16.322 min.: Q4488a.D\data.ms
cc235-10 (M217)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
76.15	9157	83.00	381	95.10	222976	116.95	799
77.10	1464	83.20	113	96.20	14640	118.00	702
78.10	920	86.00	67	97.05	529	119.00	1006
78.30	249	87.05	9207	103.10	67	127.95	624
79.05	5902	88.05	8905	103.95	869	129.05	262
79.95	908	88.80	99	105.00	372	129.90	607
80.00	678	91.05	1054	106.05	1044	131.00	101
80.10	450	91.30	428	114.90	102	131.30	71
80.30	246	92.10	5837	115.90	429	134.80	220
81.00	5502	93.15	9020	116.05	275	136.75	154
82.00	1547	94.15	24530	116.80	385	140.80	223

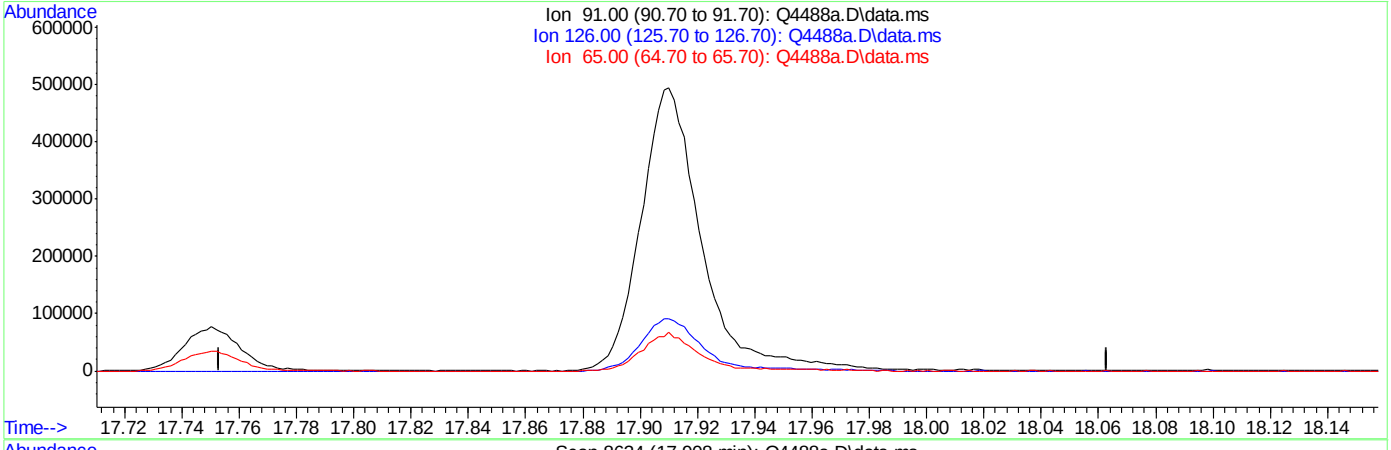
Average of 16.313 to 16.322 min.: Q4488a.D\data.ms
cc235-10 (M217)

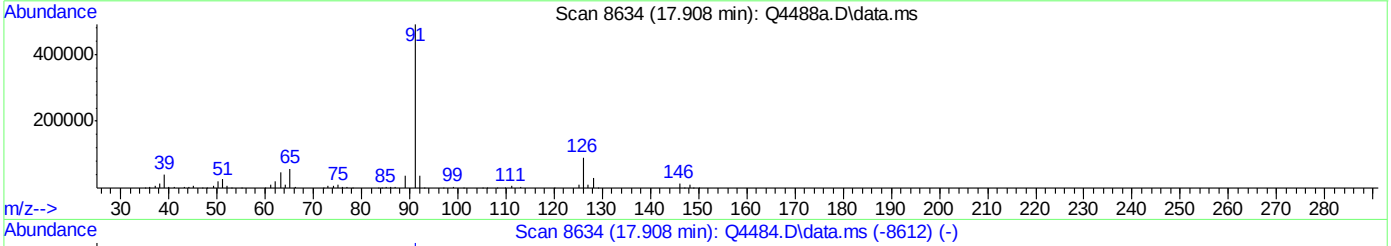
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
141.05	1341	155.10	111				
141.70	104	156.95	280				
143.05	1910	171.80	256				
144.90	274	172.10	1893				
145.20	103	174.05	185856				
145.80	175	175.15	12993				
146.00	83	176.05	181600				
146.85	148	177.05	12169				
148.00	490	178.00	79				
154.00	80	266.90	66				
154.85	259						

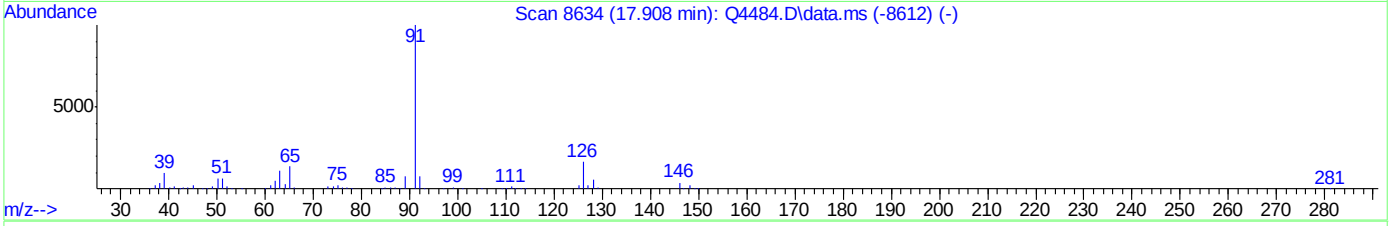
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4488a.D
Acq On : 4 Sep 2007 5:27 pm
Operator : danat
Sample : cc235-10 (M217)
Misc : MS14204, MSQ235,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 04 17:53:53 2007
Quant Method : C:\msdchem\1\METHODS\Q090407T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Sep 04 16:25:31 2007
Response via : Initial Calibration







TIC: Q4488a.D\data.ms

(69) BENZYL CHLORIDE (m)

17.908min (-17.908) 0.00PPBV

response 0

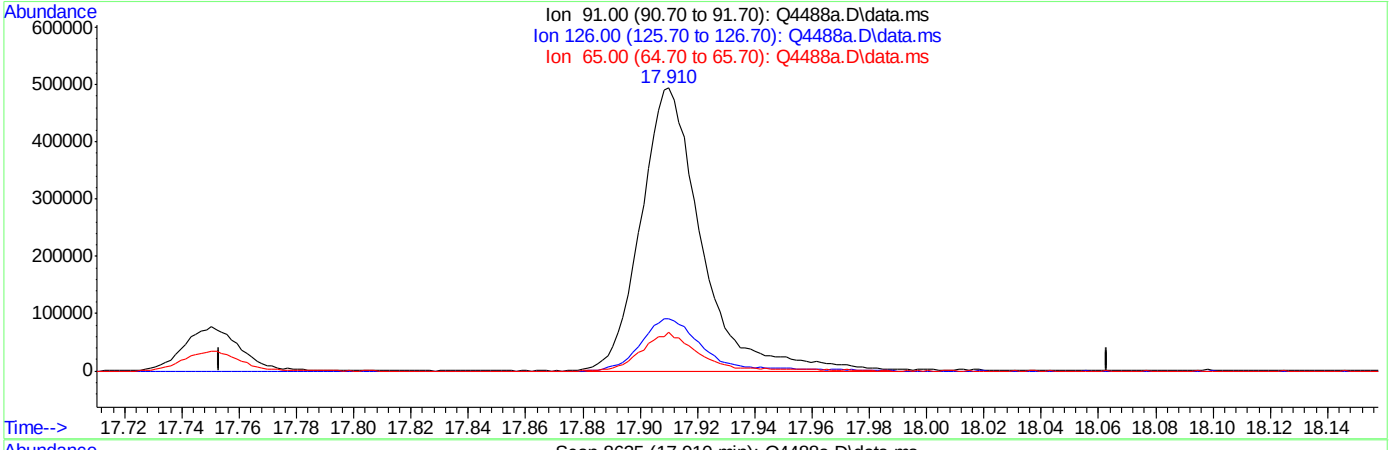
Ion	Exp%	Act%
91.00	100	0.00
126.00	17.50	0.00
65.00	13.40	0.00
0.00	0.00	0.00

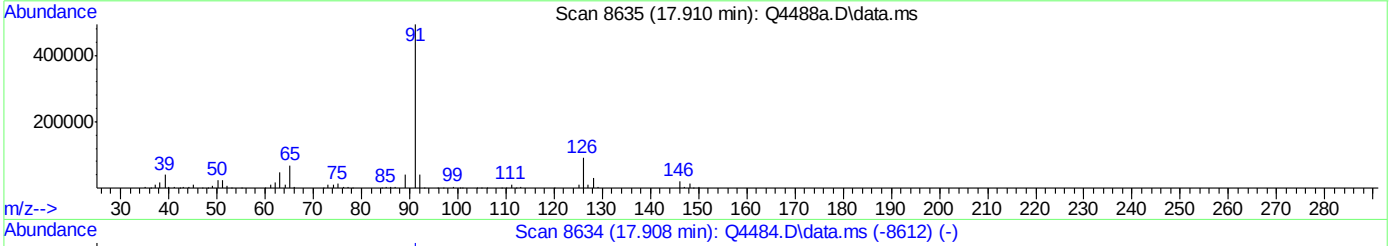
ACCUTEST Laboratories M67337

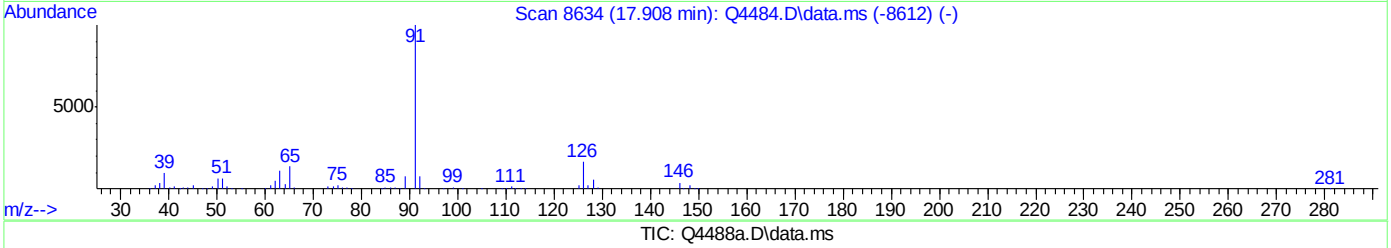
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4488a.D
Acq On : 4 Sep 2007 5:27 pm
Operator : danat
Sample : cc235-10 (M217)
Misc : MS14204, MSQ235,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 04 17:53:53 2007
Quant Method : C:\msdchem\1\METHODS\Q090407T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Sep 04 16:25:31 2007
Response via : Initial Calibration







TIC: Q4488a.D\data.ms

(69) BENZYL CHLORIDE (m)

17.910min (+0.002) 10.84PPBV m

response 730007

Ion	Exp%	Act%
91.00	100	100
126.00	17.50	0.00
65.00	13.40	0.00
0.00	0.00	0.00

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

Quantitation Report (QT Reviewed)

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

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	419744	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.44	114	1843308	10.00	PPBV	-0.02
49) CHLOROBENZENE-D5	14.67	117	1602957	10.00	PPBV	-0.01

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.28	95	442099	4.44	PPBV	-0.02

Spiked Amount 5.000 Range 51 - 142 Recovery = 88.80%

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

Quantitation Report (QT Reviewed)

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

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

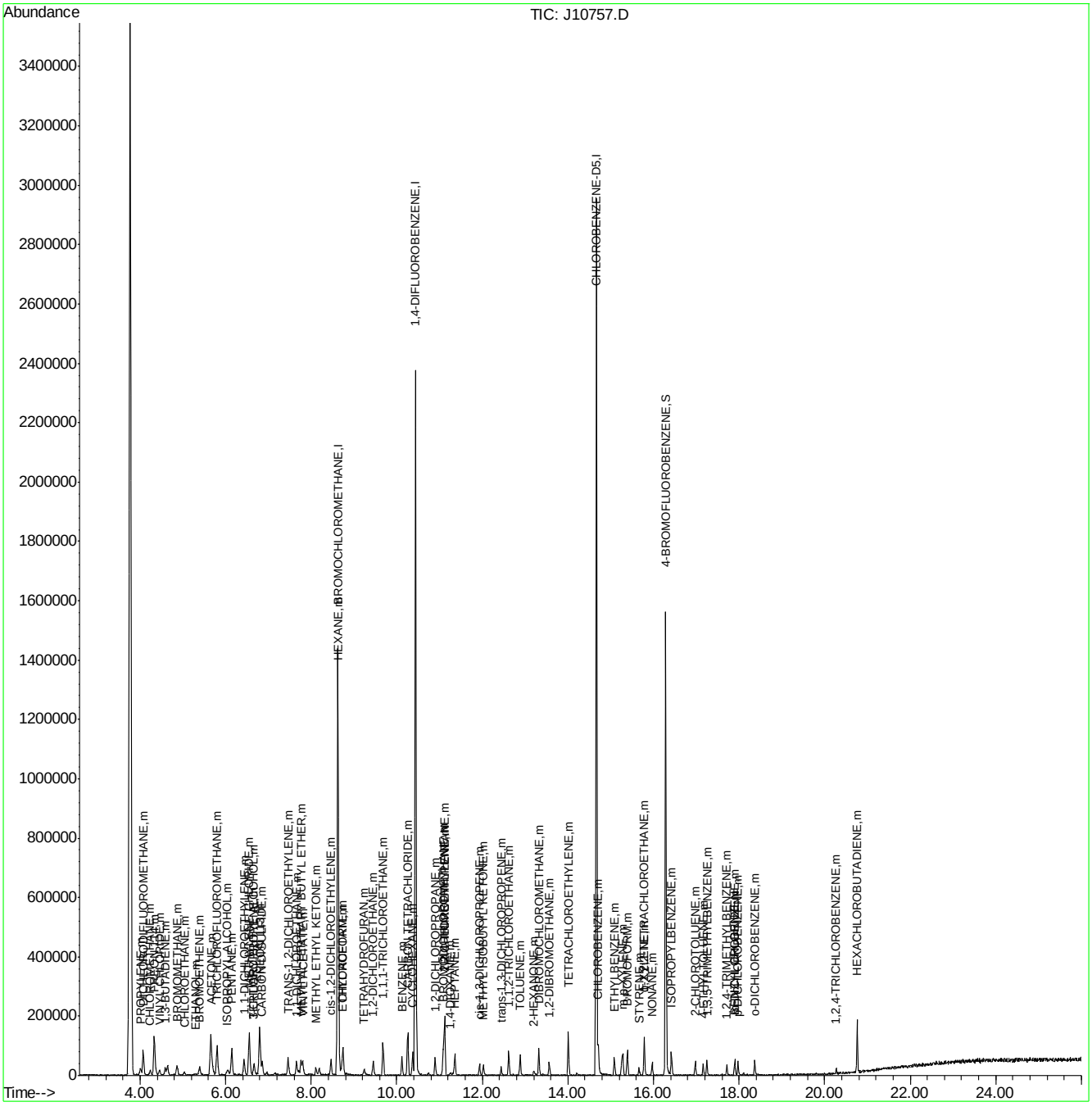
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.02	43	21762	0.37	PPBV #	46
45) cis-1,3-DICHLOROPROPENE	11.93	75	16819	0.34	PPBV	95
46) TOLUENE	12.88	92	27196	0.42	PPBV	98
47) trans-1,3-DICHLOROPROPENE	12.44	75	13551	0.29	PPBV	97
48) 1,1,2-TRICHLOROETHANE	12.61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

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

Quantitation Report (QT Reviewed)

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

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

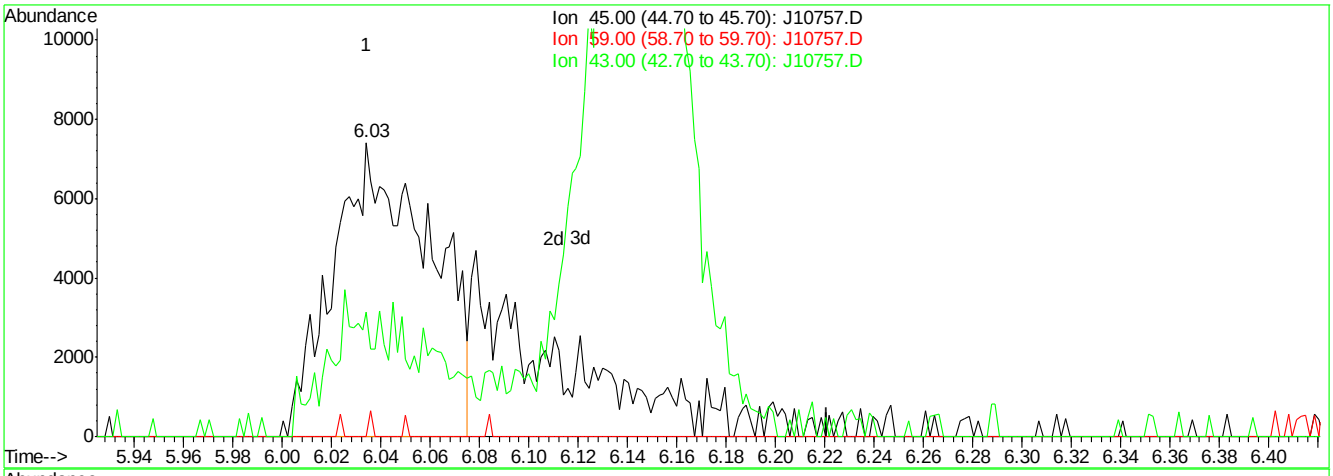


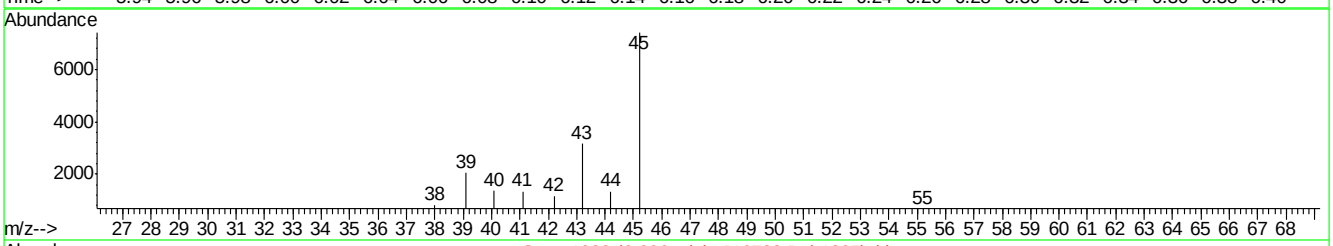
Quantitation Report (Qedit)

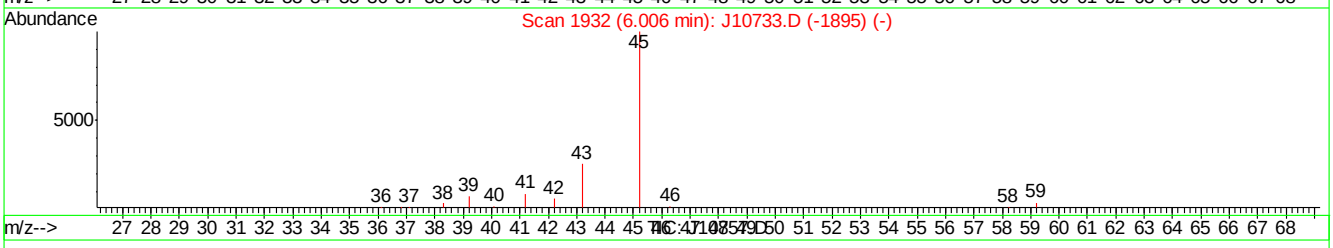
Data File : C:\MSDChem\1\data\J10757.D Vial: 2
Acq On : 25 Jun 2007 10:16 am Operator: danat
Sample : ic557-0.5 (m141) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

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







(11) ISOPROPYL ALCOHOL (m)

6.03min 0.43PPBV

response 20053

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

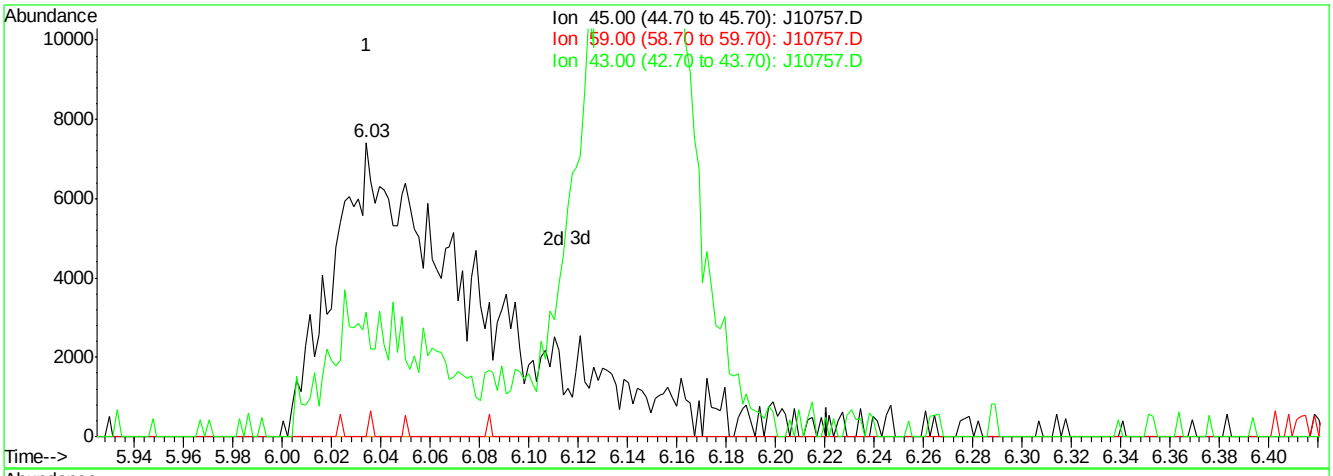
J10757.D J062507T.M Mon Jun 25 10:48:40 2007

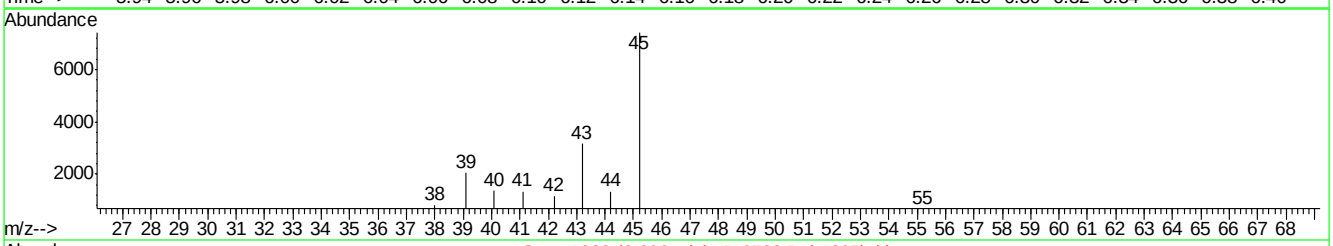
Quantitation Report (Qedit)

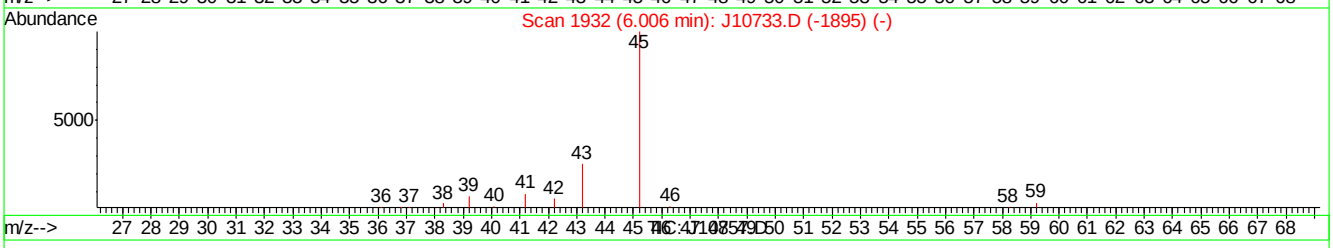
Data File : C:\MSDChem\1\data\J10757.D Vial: 2
Acq On : 25 Jun 2007 10:16 am Operator: danat
Sample : ic557-0.5 (m141) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

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







(11) ISOPROPYL ALCOHOL (m)

6.03min 0.63PPBV m

response 29822

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

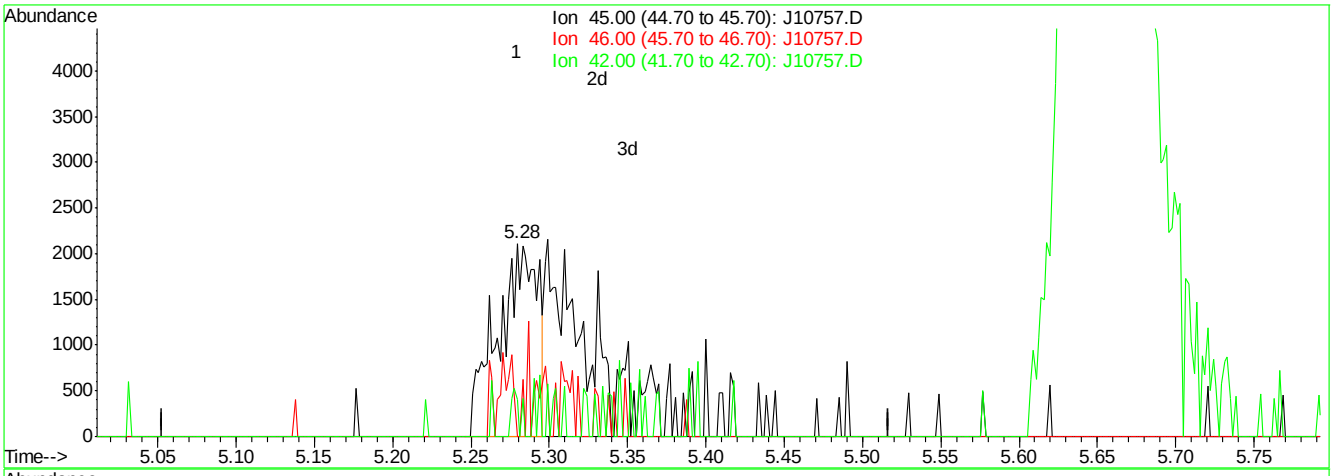
J10757.D J062507T.M Mon Jun 25 10:48:45 2007

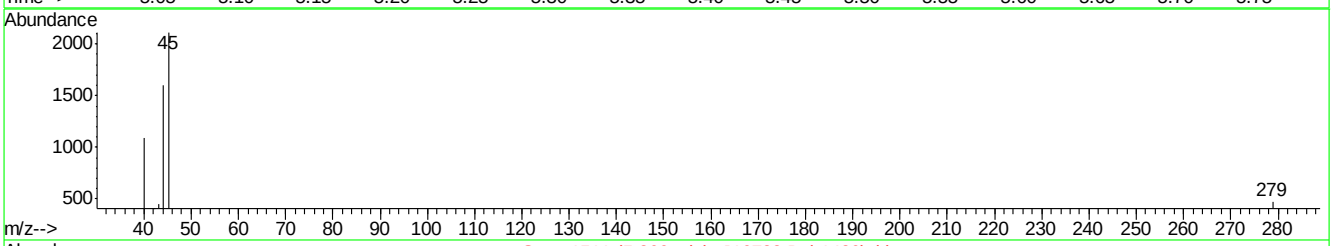
Quantitation Report (Qedit)

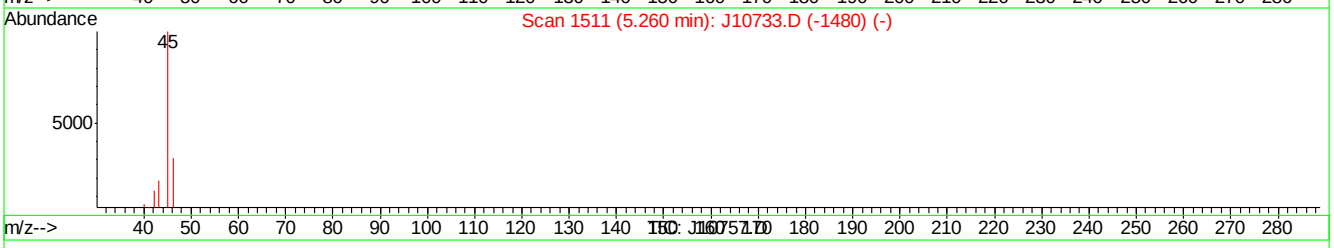
Data File : C:\MSDChem\1\data\J10757.D Vial: 2
Acq On : 25 Jun 2007 10:16 am Operator: danat
Sample : ic557-0.5 (m141) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

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







(16) ETHANOL (m)

5.28min 0.45PPBV

response 3685

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

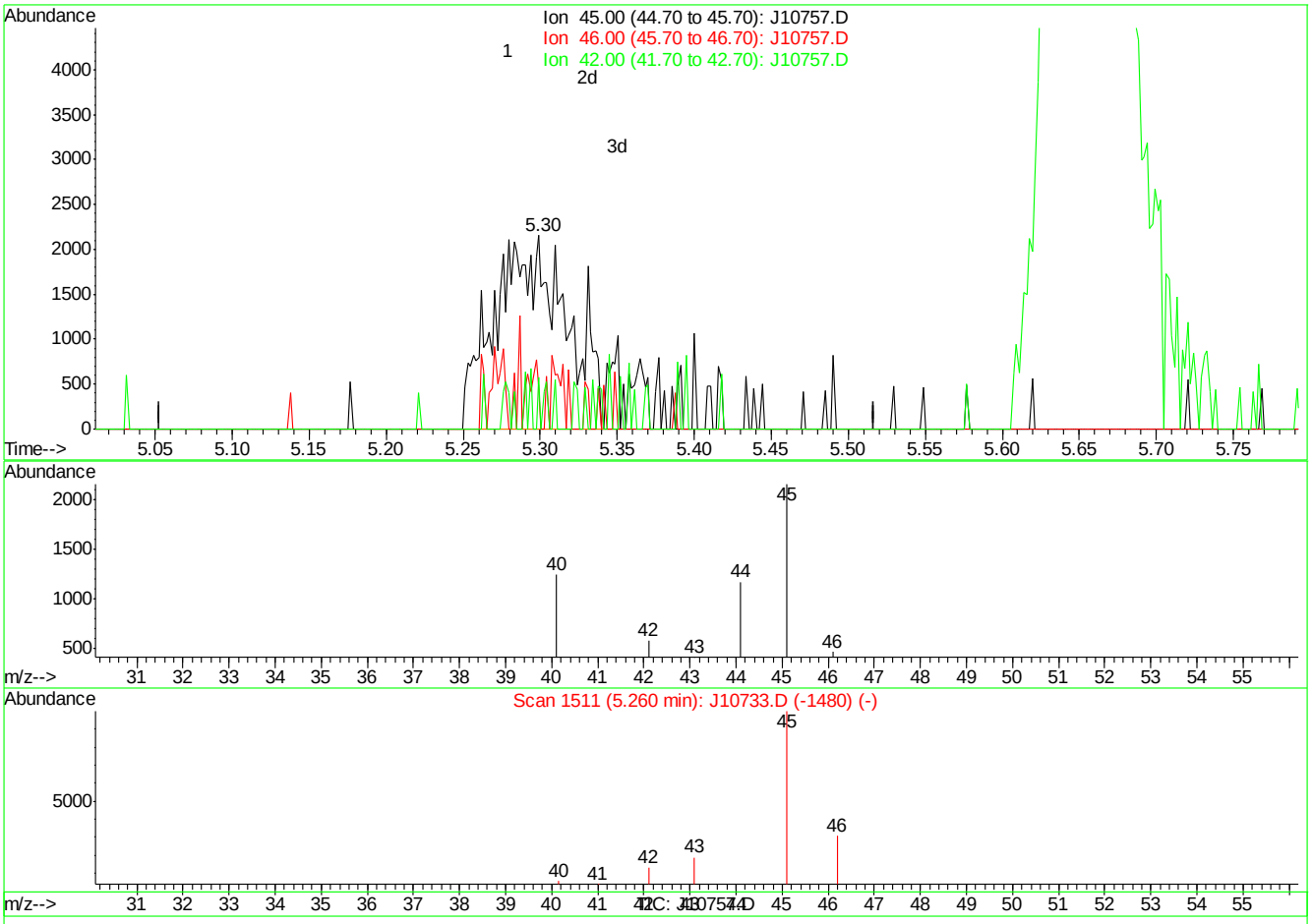
J10757.D J062507T.M Mon Jun 25 10:49:22 2007

Quantitation Report (Qedit)

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

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

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



(16) ETHANOL (m)

5.30min 0.89PPBV m

response 7283

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

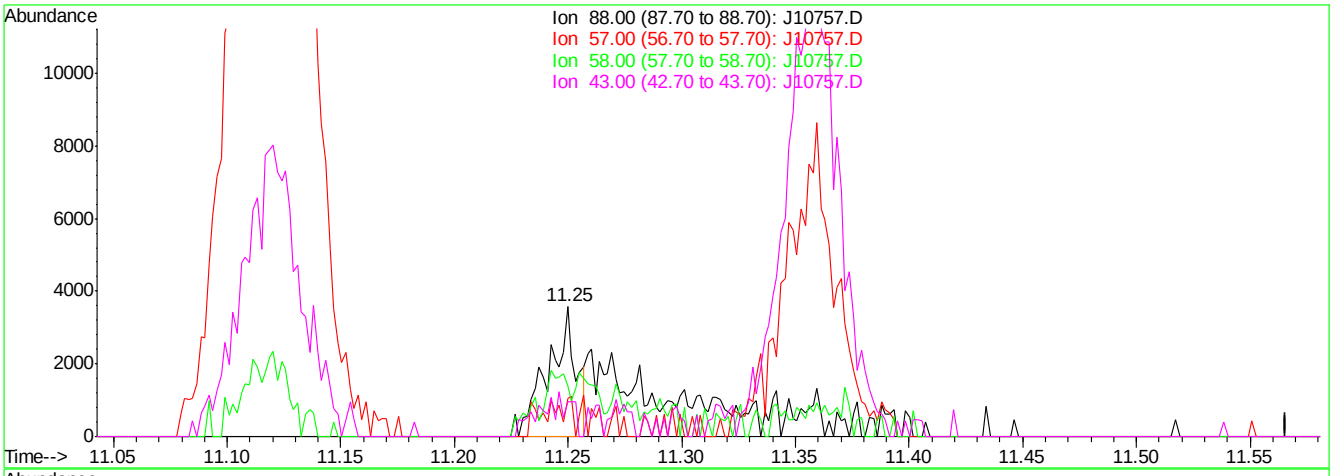
J10757.D J062507T.M Mon Jun 25 10:49:33 2007

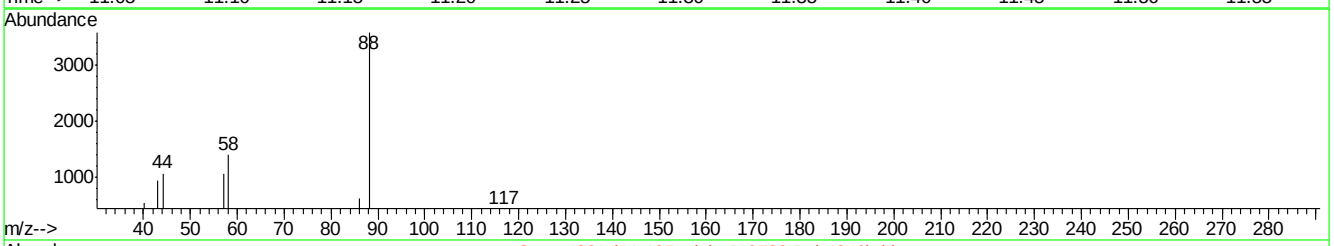
Quantitation Report (Qedit)

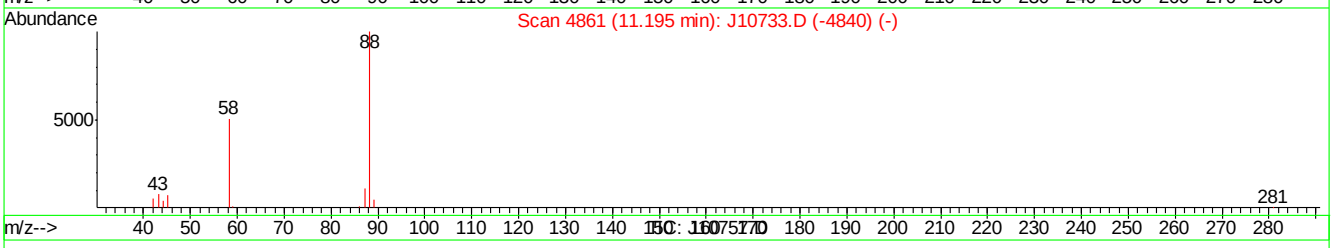
Data File : C:\MSDChem\1\data\J10757.D Vial: 2
Acq On : 25 Jun 2007 10:16 am Operator: danat
Sample : ic557-0.5 (m141) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

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







(42) 1,4-DIOXANE (m)

11.25min 0.14PPBV

response 3047

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

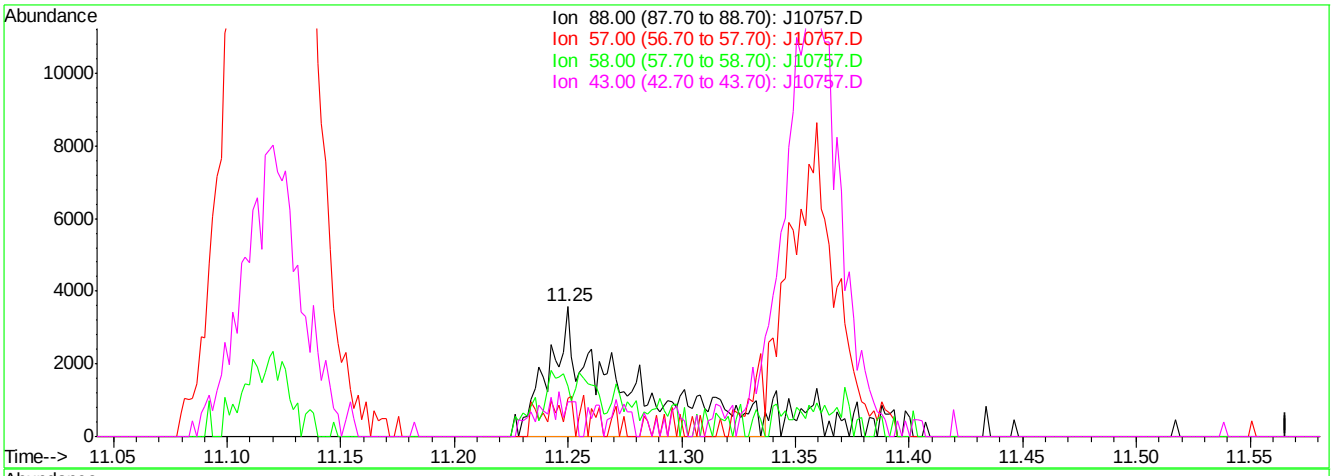
J10757.D J062507T.M Mon Jun 25 10:49:57 2007

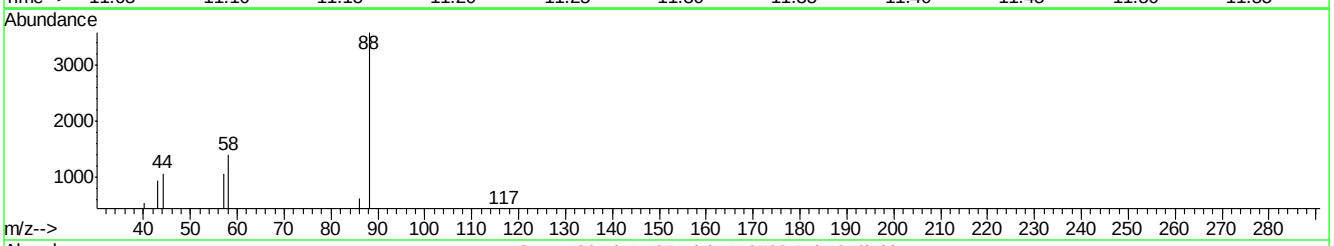
Quantitation Report (Qedit)

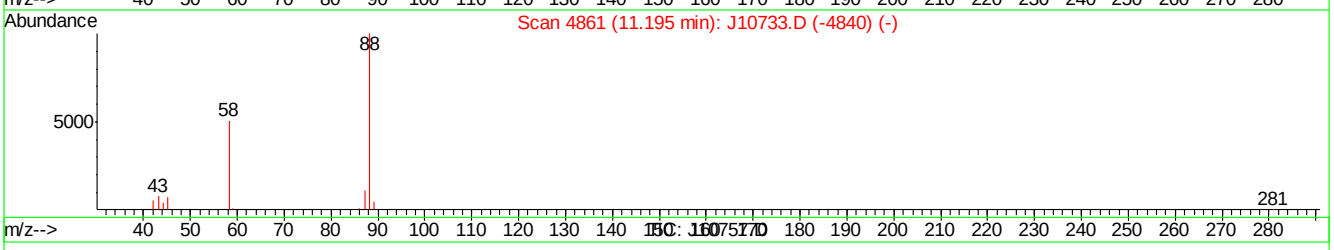
Data File : C:\MSDChem\1\data\J10757.D Vial: 2
Acq On : 25 Jun 2007 10:16 am Operator: danat
Sample : ic557-0.5 (m141) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

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







(42) 1,4-DIOXANE (m)

11.25min 0.38PPBV m

response 8305

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

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

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

Quantitation Report (QT Reviewed)

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

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

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

Quantitation Report (QT Reviewed)

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

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

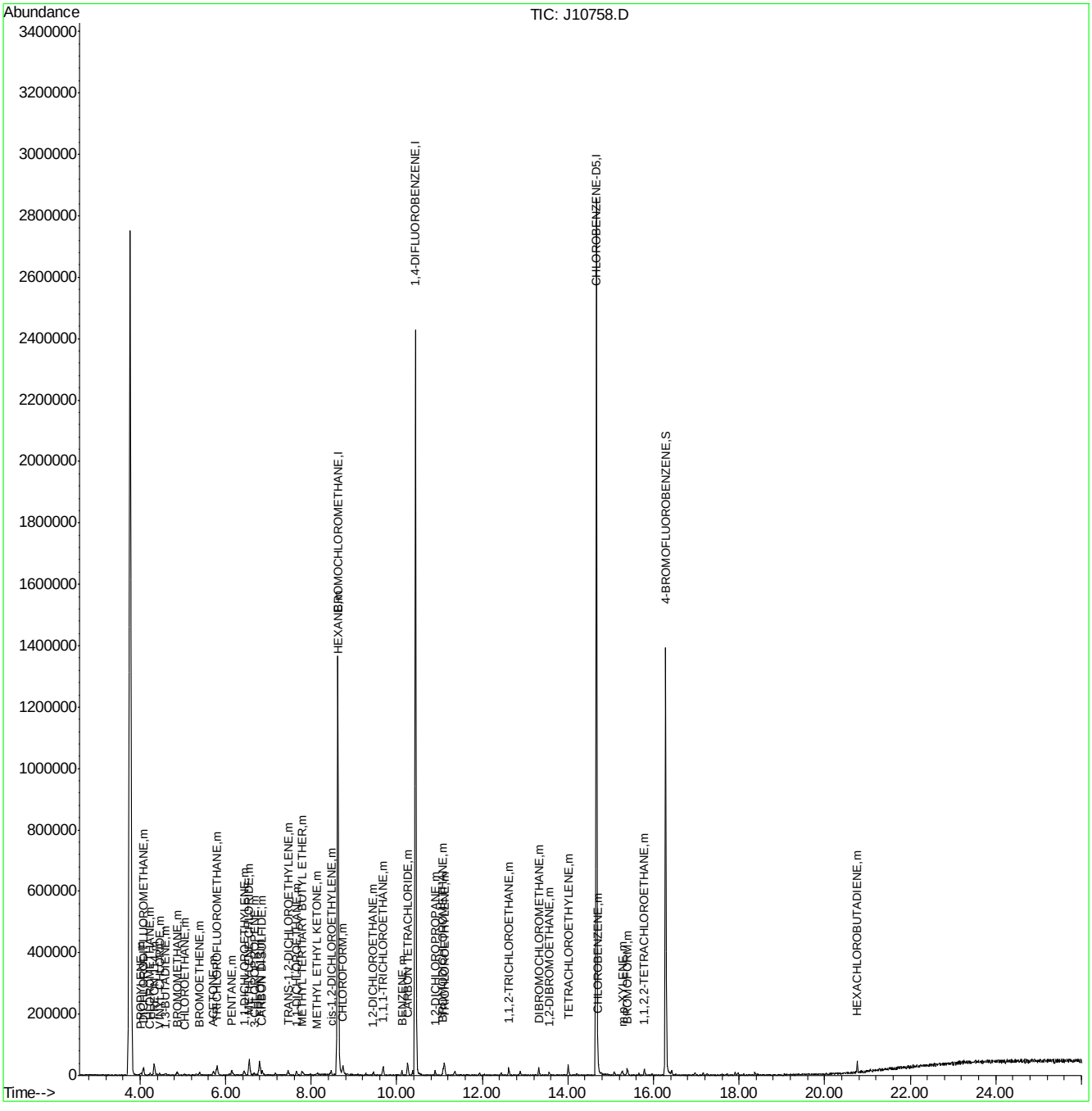
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quantitation Report (QT Reviewed)

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

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



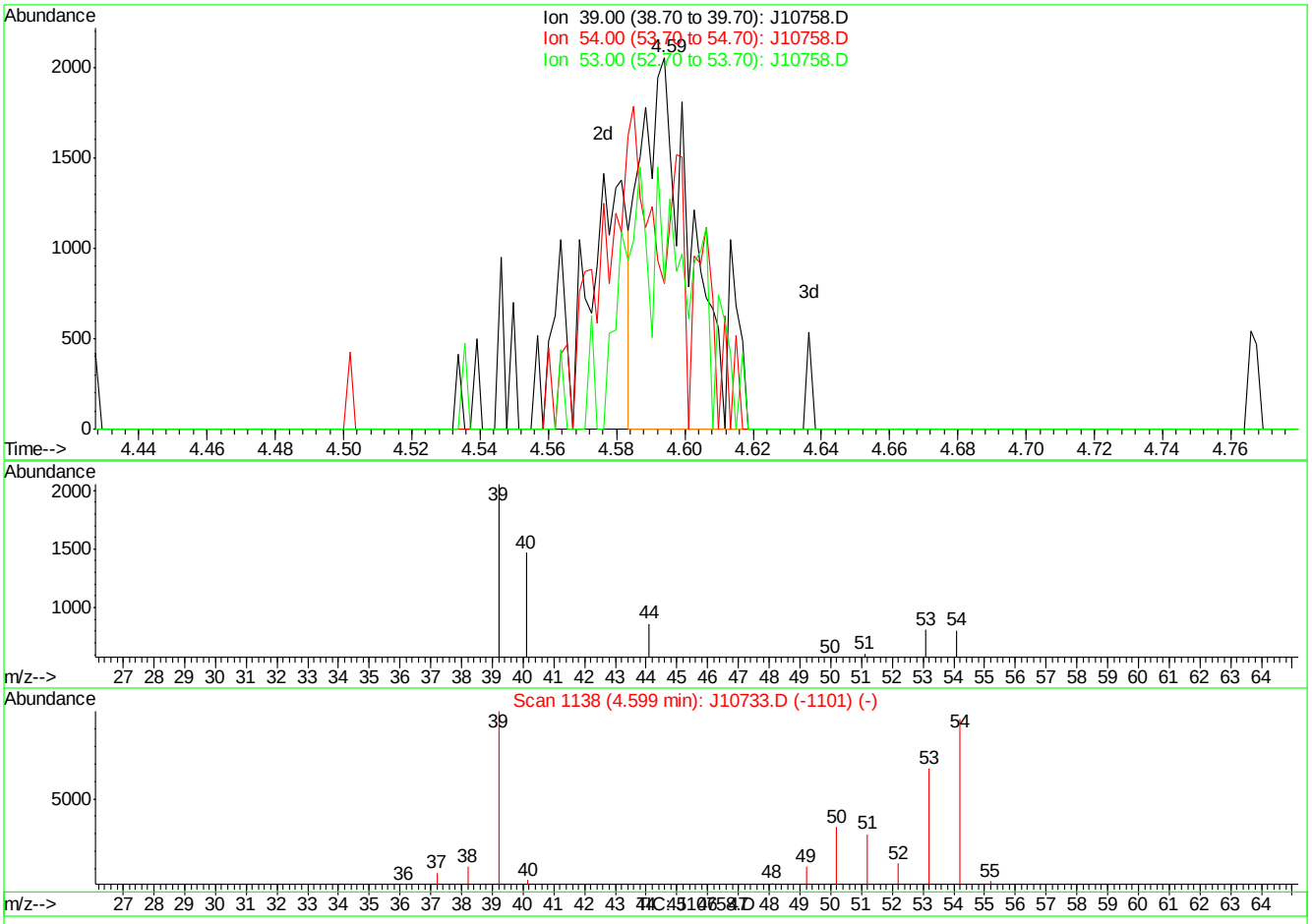
ACCUTEST Laboratories M67337

Quantitation Report (Qedit)

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

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

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



(7) 1,3-BUTADIENE (m)

4.59min 0.10PPBV

response 2273

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

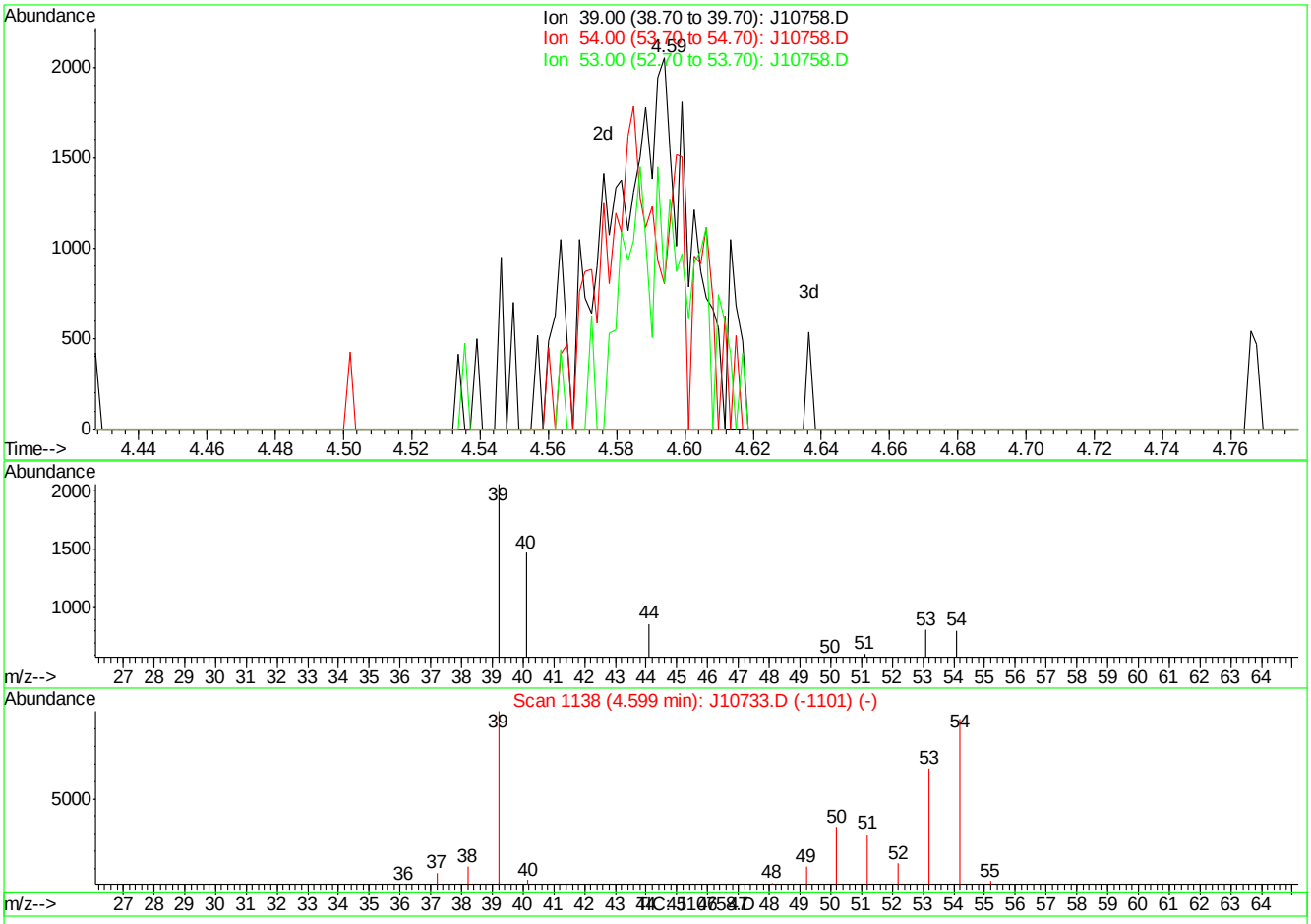
J10758.D J062507T.M Mon Jun 25 11:49:01 2007

Quantitation Report (Qedit)

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

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

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



(7) 1,3-BUTADIENE (m)

4.59min 0.14PPBV m

response 3392

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

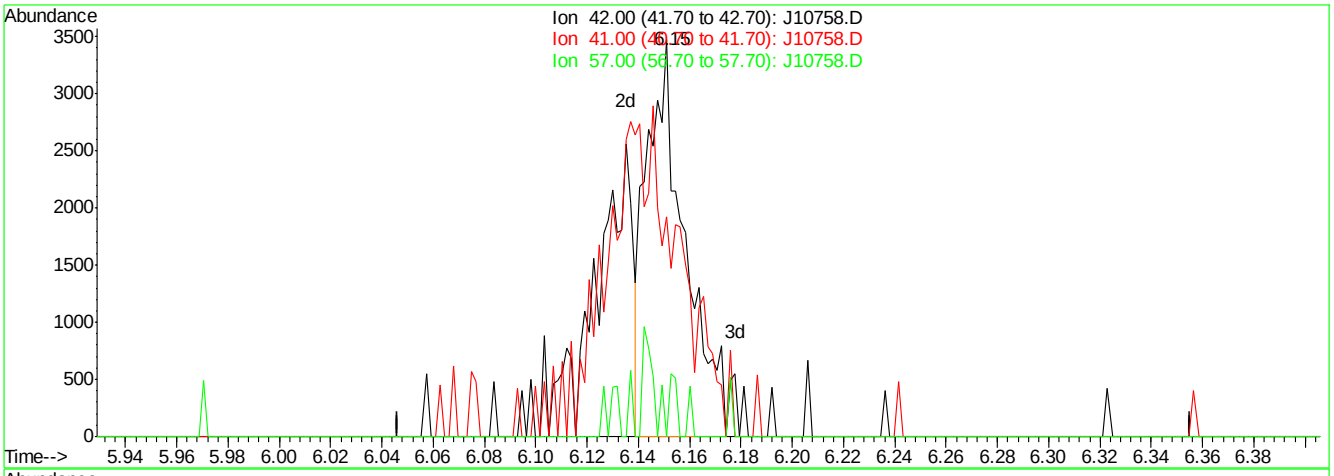
J10758.D J062507T.M Mon Jun 25 11:49:09 2007

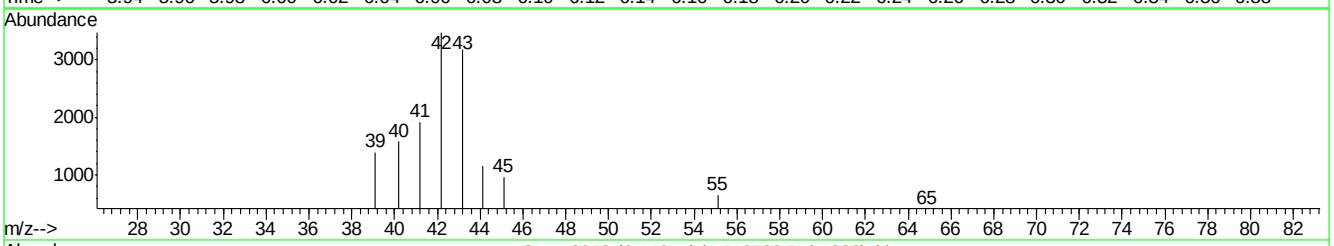
Quantitation Report (Qedit)

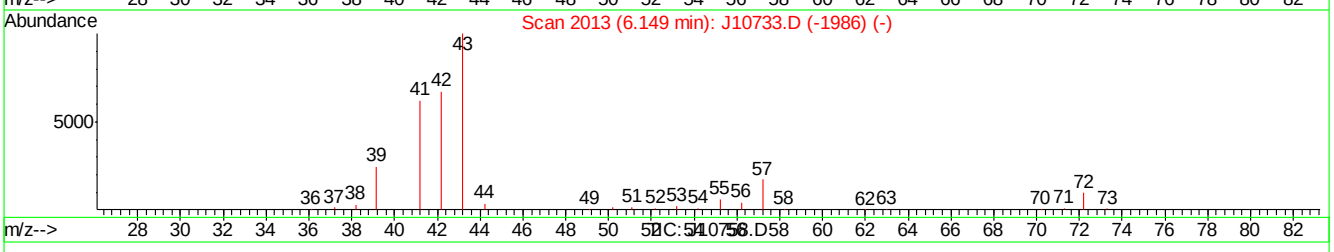
Data File : C:\MSDChem\1\data\J10758.D Vial: 2
Acq On : 25 Jun 2007 11:05 am Operator: danat
Sample : ic557-0.2 (m141) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

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







(13) PENTANE (m)

6.15min 0.12PPBV

response 3605

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

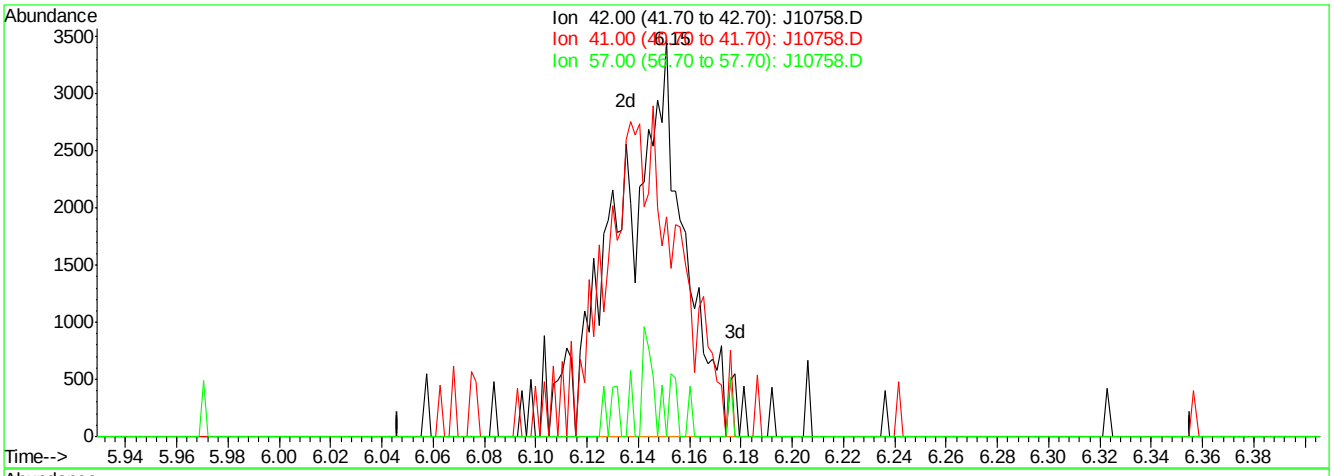
J10758.D J062507T.M Mon Jun 25 11:49:31 2007

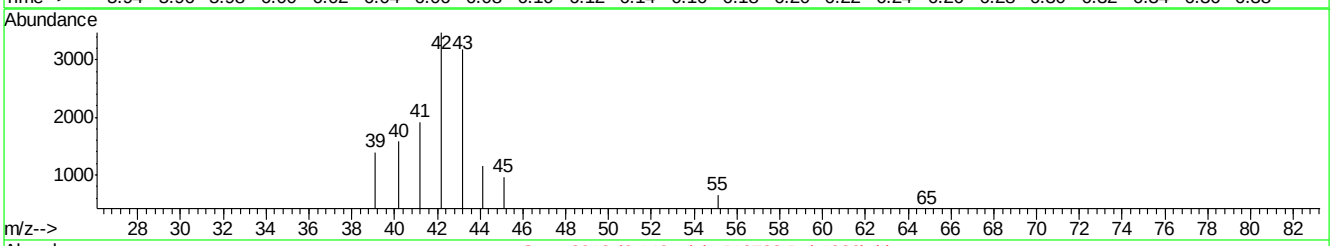
Quantitation Report (Qedit)

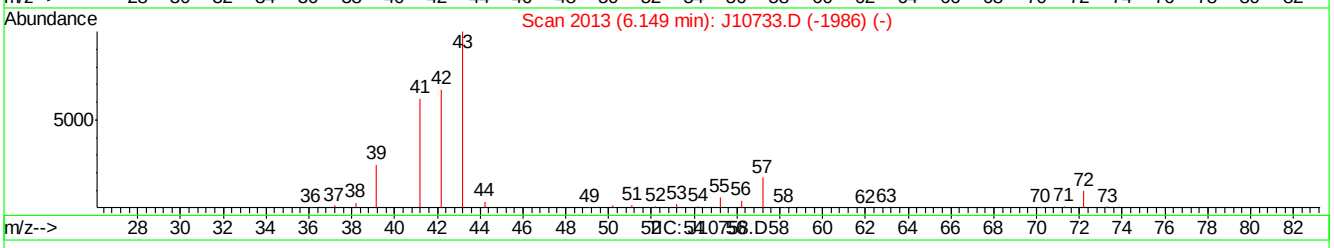
Data File : C:\MSDChem\1\data\J10758.D Vial: 2
Acq On : 25 Jun 2007 11:05 am Operator: danat
Sample : ic557-0.2 (m141) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

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







(13) PENTANE (m)

6.15min 0.22PPBV m

response 6321

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

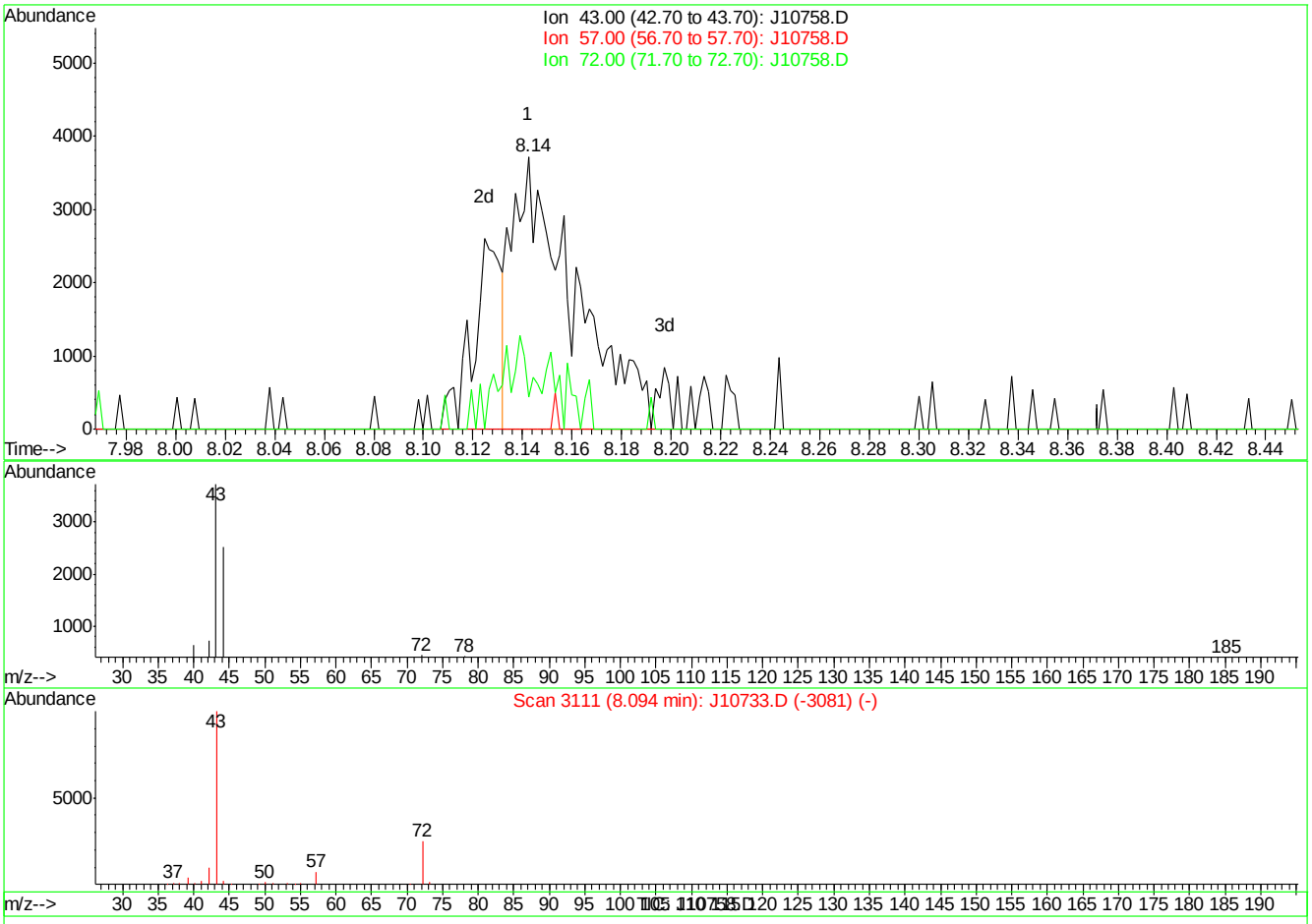
J10758.D J062507T.M Mon Jun 25 11:49:39 2007

Quantitation Report (Qedit)

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

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

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



(28) METHYL ETHYL KETONE (m)

8.14min 0.12PPBV

response 6487

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

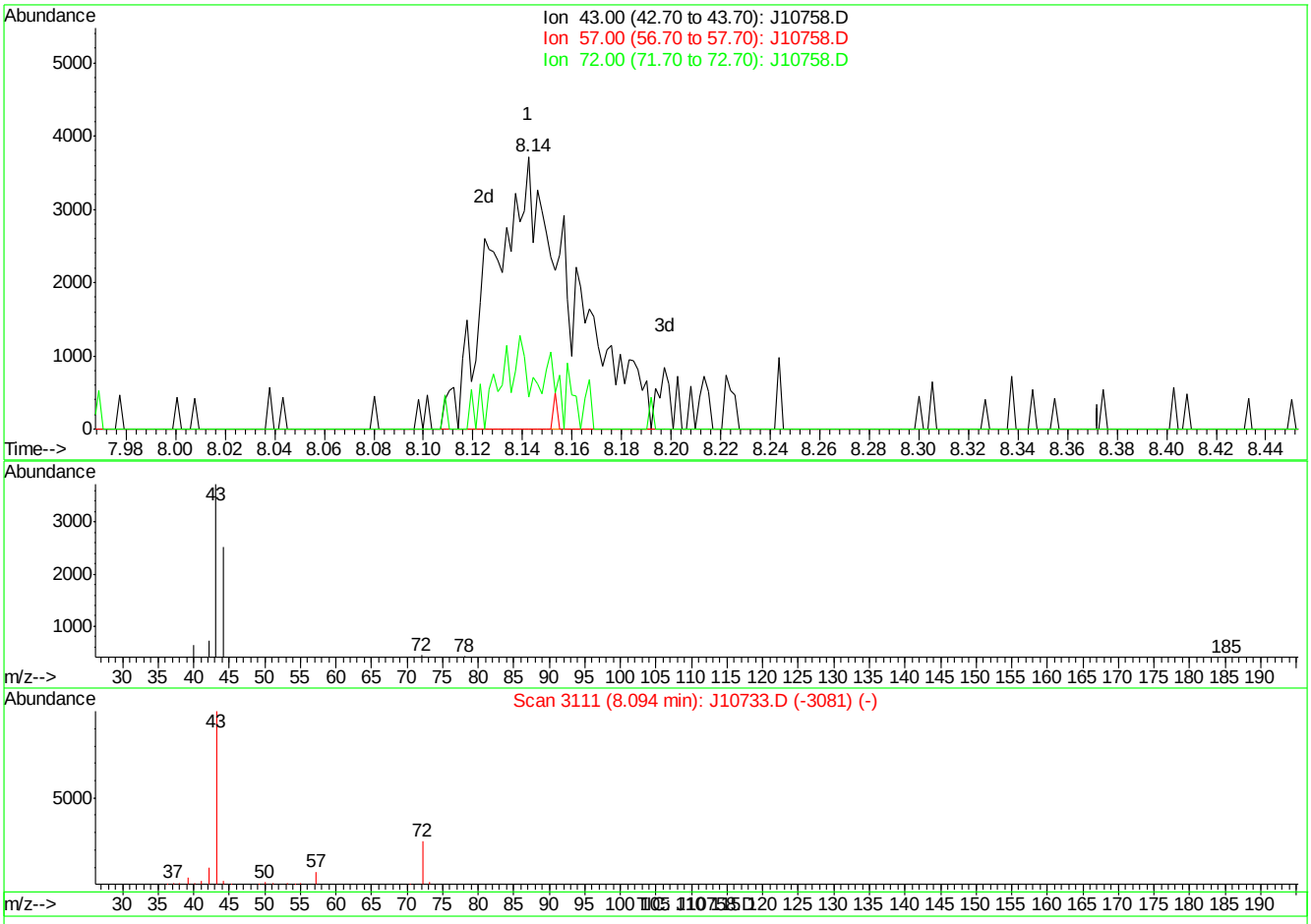
J10758.D J062507T.M Mon Jun 25 11:50:19 2007

Quantitation Report (Qedit)

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

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

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



(28) METHYL ETHYL KETONE (m)

8.14min 0.16PPBV m

response 8365

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

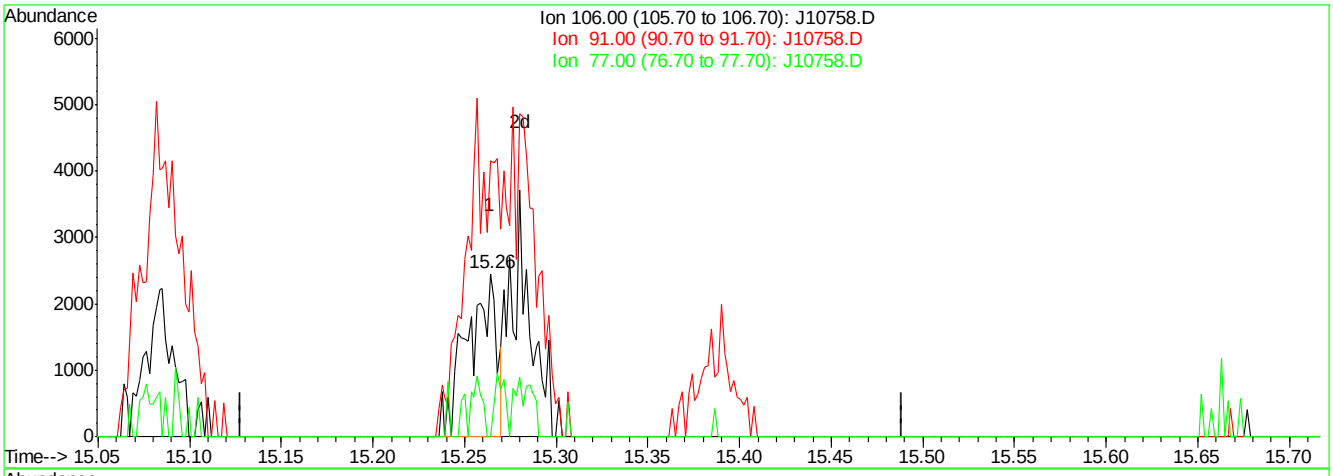
J10758.D J062507T.M Mon Jun 25 11:50:25 2007

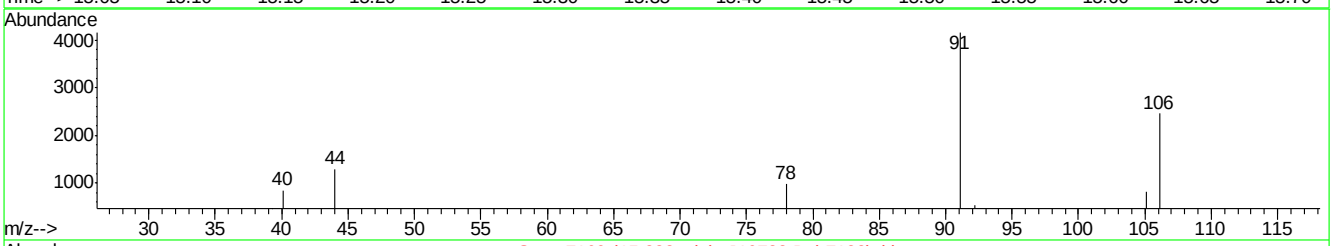
Quantitation Report (Qedit)

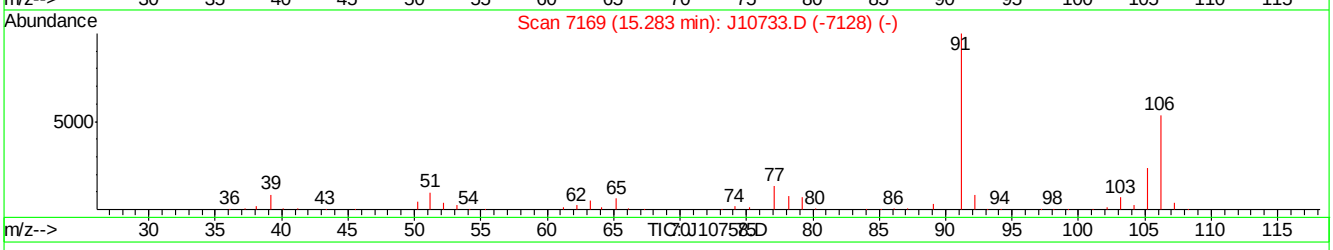
Data File : C:\MSDChem\1\data\J10758.D Vial: 2
Acq On : 25 Jun 2007 11:05 am Operator: danat
Sample : ic557-0.2 (m141) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

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







(56) m,p-XYLENE (m)

15.26min 0.06PPBV

response 2674

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

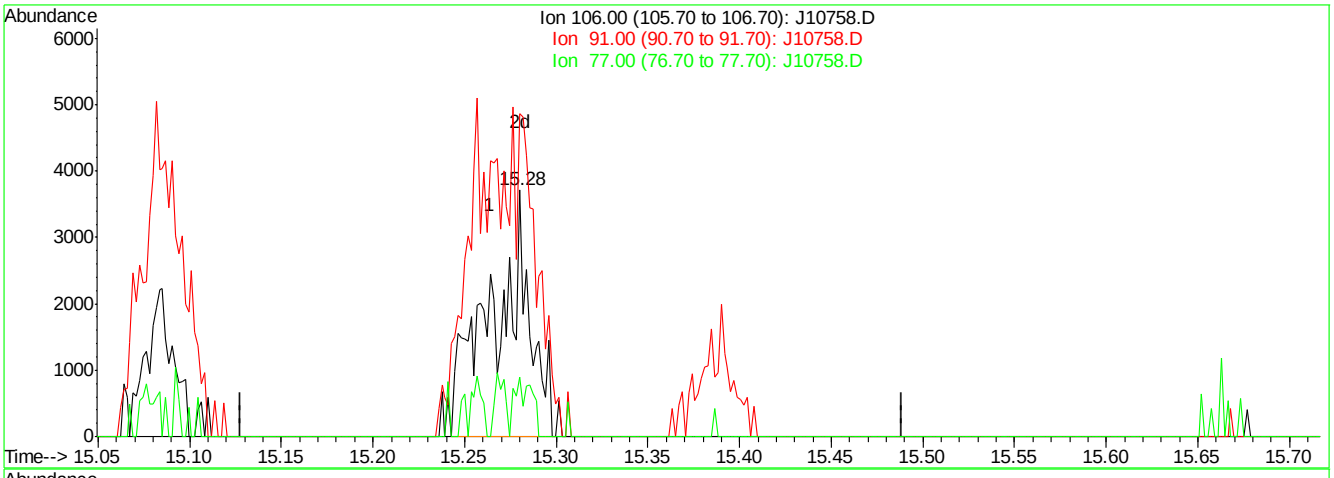
J10758.D J062507T.M Mon Jun 25 11:52:03 2007

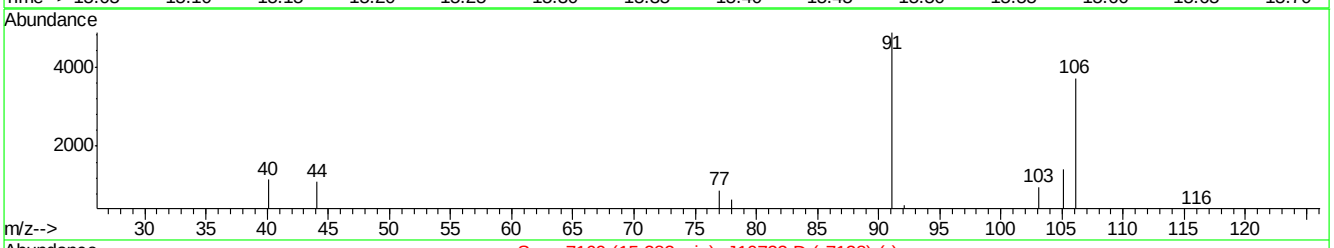
Quantitation Report (Qedit)

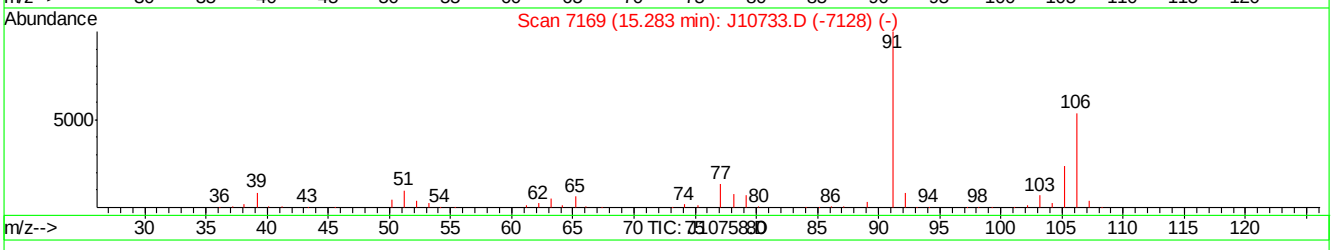
Data File : C:\MSDChem\1\data\J10758.D Vial: 2
Acq On : 25 Jun 2007 11:05 am Operator: danat
Sample : ic557-0.2 (m141) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

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







(56) m,p-XYLENE (m)

15.28min 0.11PPBV m

response 5280

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

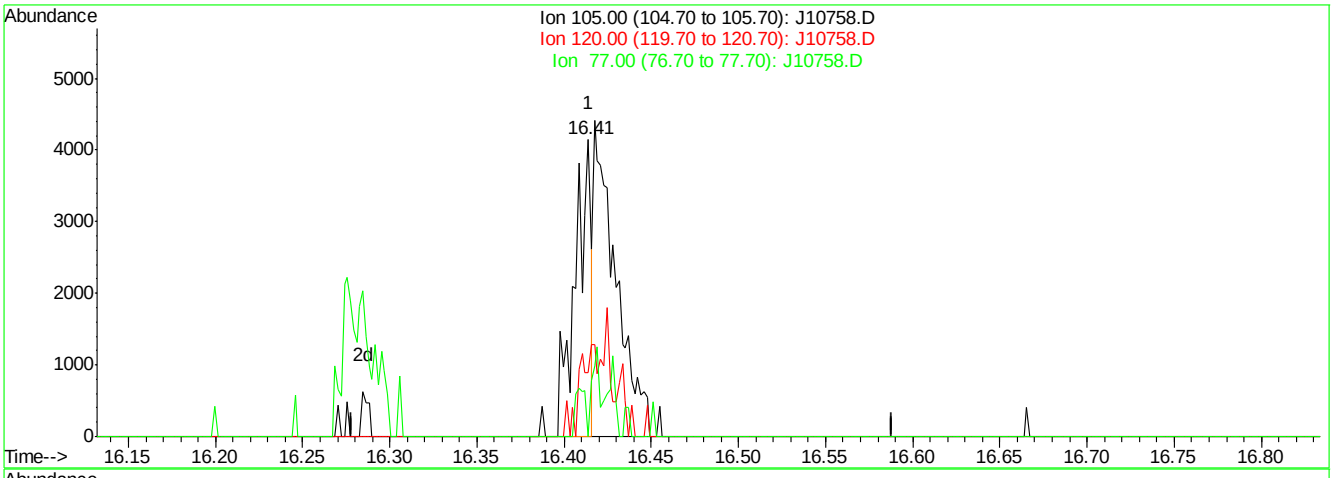
J10758.D J062507T.M Mon Jun 25 11:52:13 2007

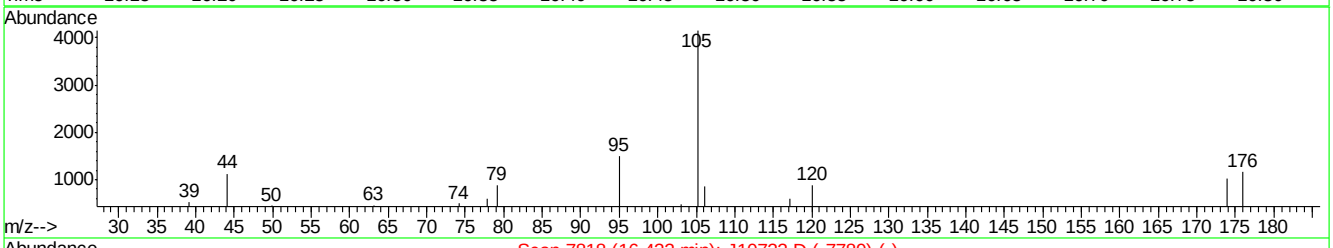
Quantitation Report (Qedit)

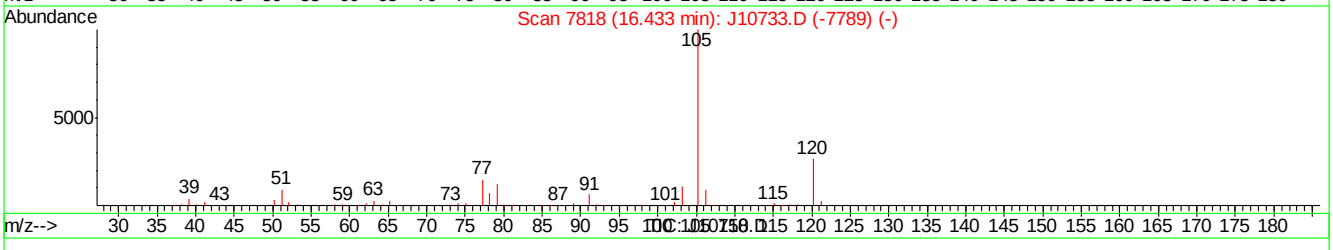
Data File : C:\MSDChem\1\data\J10758.D Vial: 2
Acq On : 25 Jun 2007 11:05 am Operator: danat
Sample : ic557-0.2 (m141) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

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







(63) ISOPROPYLBENZENE (m)

16.41min 0.02PPBV

response 2618

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

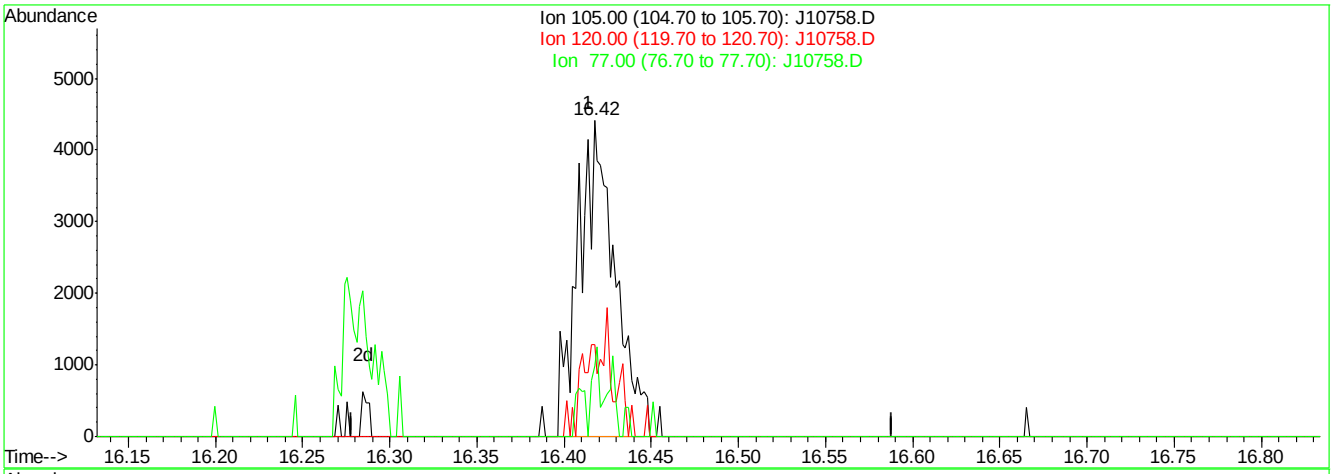
J10758.D J062507T.M Mon Jun 25 11:52:30 2007

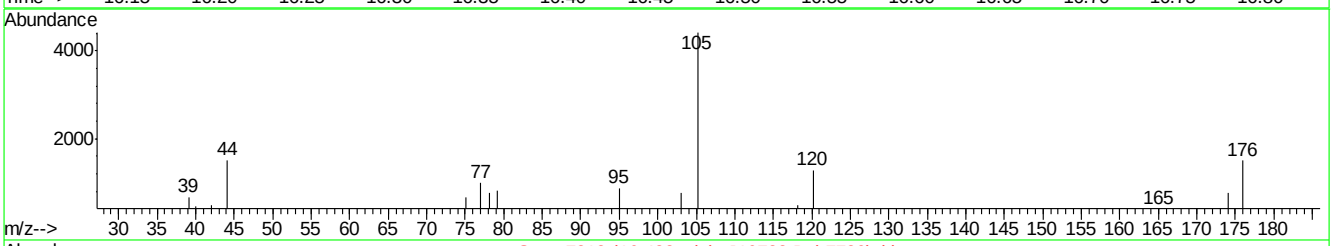
Quantitation Report (Qedit)

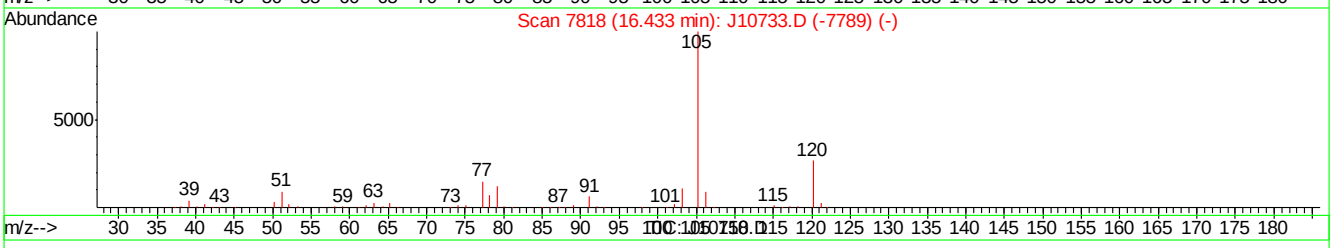
Data File : C:\MSDChem\1\data\J10758.D Vial: 2
Acq On : 25 Jun 2007 11:05 am Operator: danat
Sample : ic557-0.2 (m141) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

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







(63) ISOPROPYLBENZENE (m)

16.42min 0.04PPBV m

response 6411

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

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

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

Quantitation Report (QT Reviewed)

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

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

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

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.32	95	679558	5.88	PPBV	0.02

Spiked Amount 5.000 Range 51 - 142 Recovery = 117.60%

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

Quantitation Report (QT Reviewed)

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

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

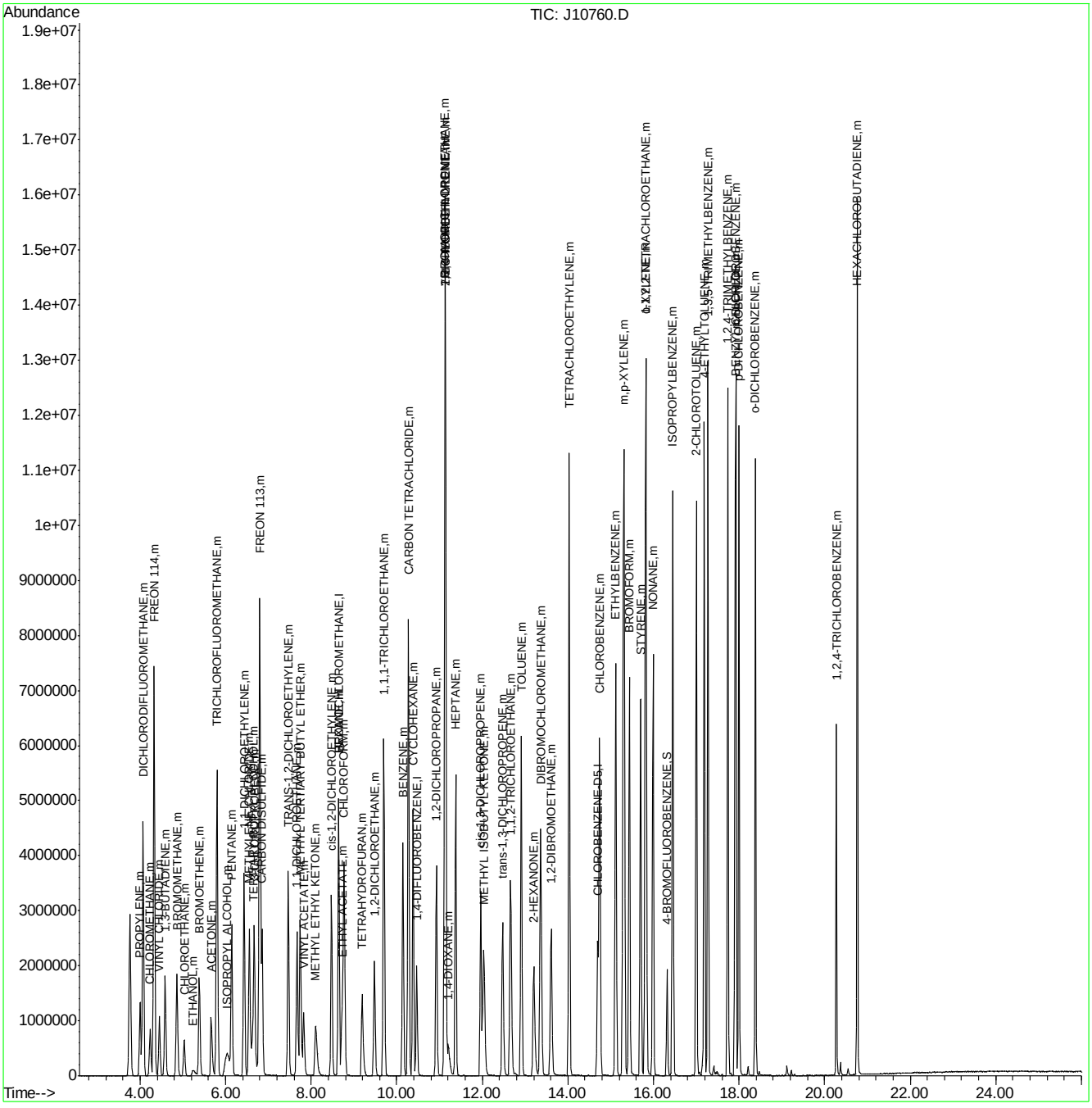
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.03	43	2669104	45.25 PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.96	75	2235612	44.72 PPBV	97
46) TOLUENE	12.91	92	3175409	48.29 PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.47	75	2268217	47.63 PPBV #	76
48) 1,1,2-TRICHLOROETHANE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

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

Quantitation Report (QT Reviewed)

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

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



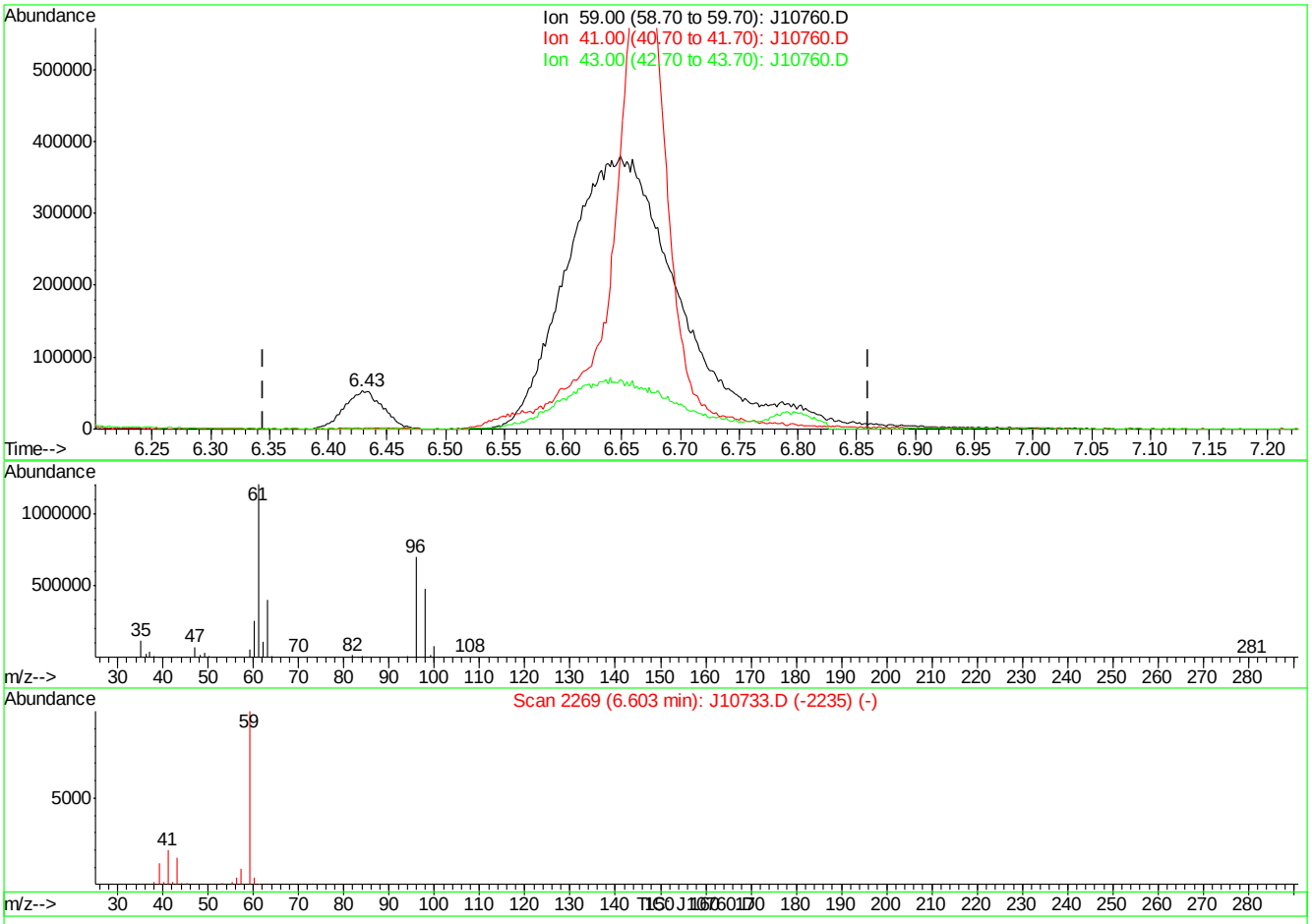
J062507T.M Mon Jun 25 13:11:07 2007 Page: 3

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

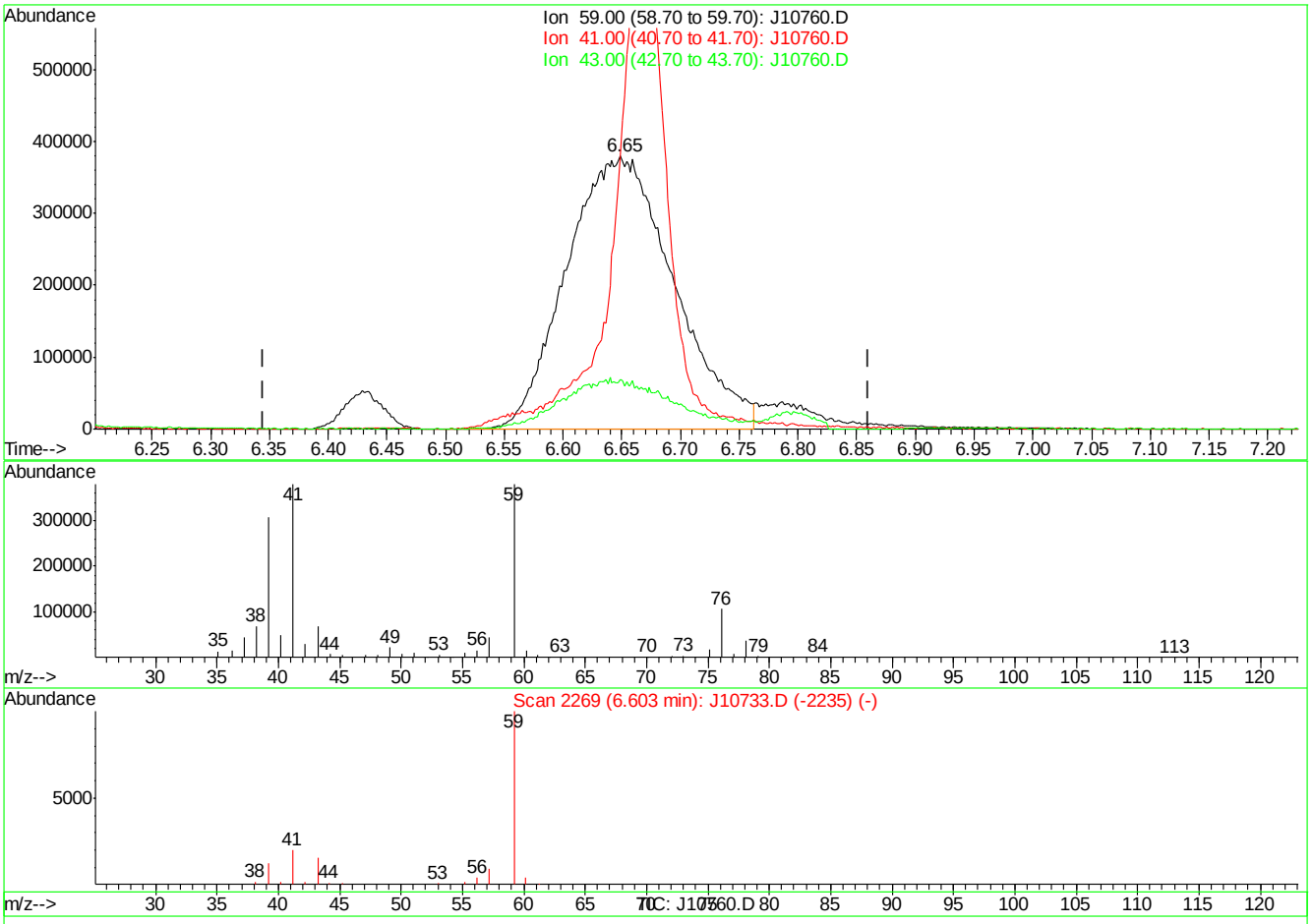
J10760.D J062507T.M Mon Jun 25 13:10:10 2007

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

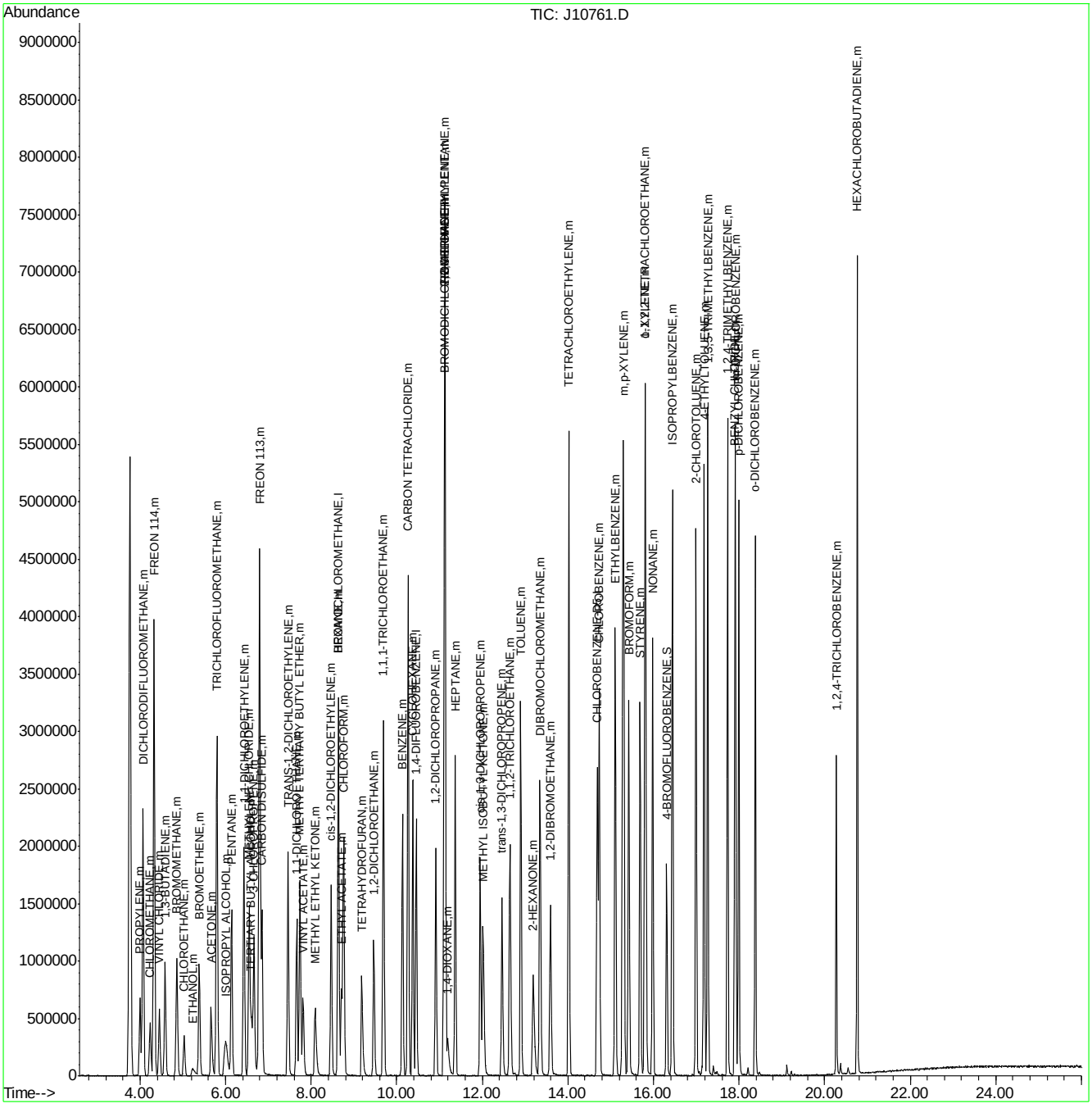
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.01	43	1328709	20.79	PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.95	75	1134927	20.95	PPBV	99
46) TOLUENE	12.90	92	1555485	21.83	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.46	75	1116511	21.64	PPBV	100
48) 1,1,2-TRICHLOROETHANE	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 M67337

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

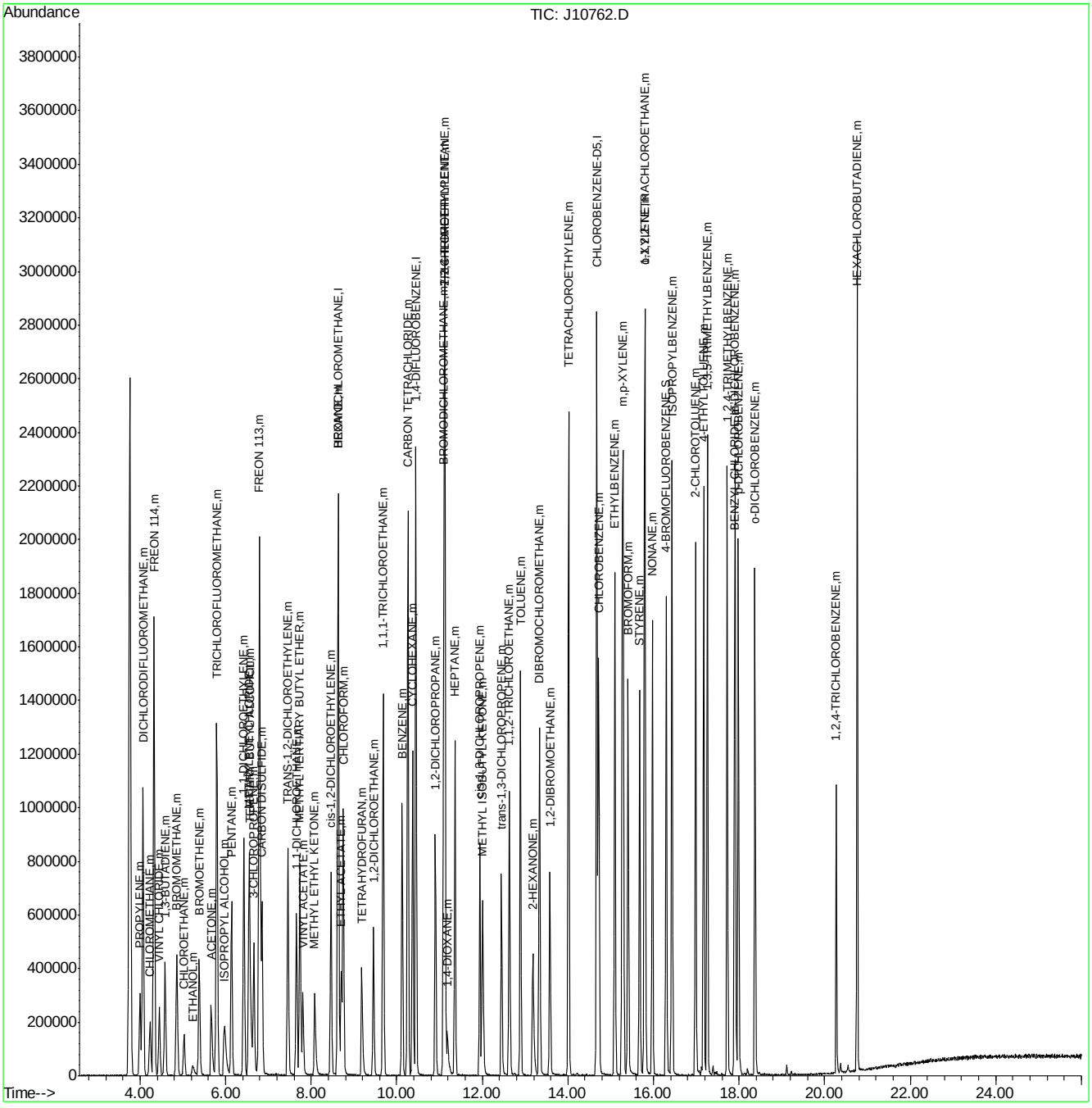
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.00	43	539564	8.93	PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.94	75	453130	10.63	PPBV	99
46) TOLUENE	12.89	92	629342	10.15	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.45	75	434192	10.90	PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.63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

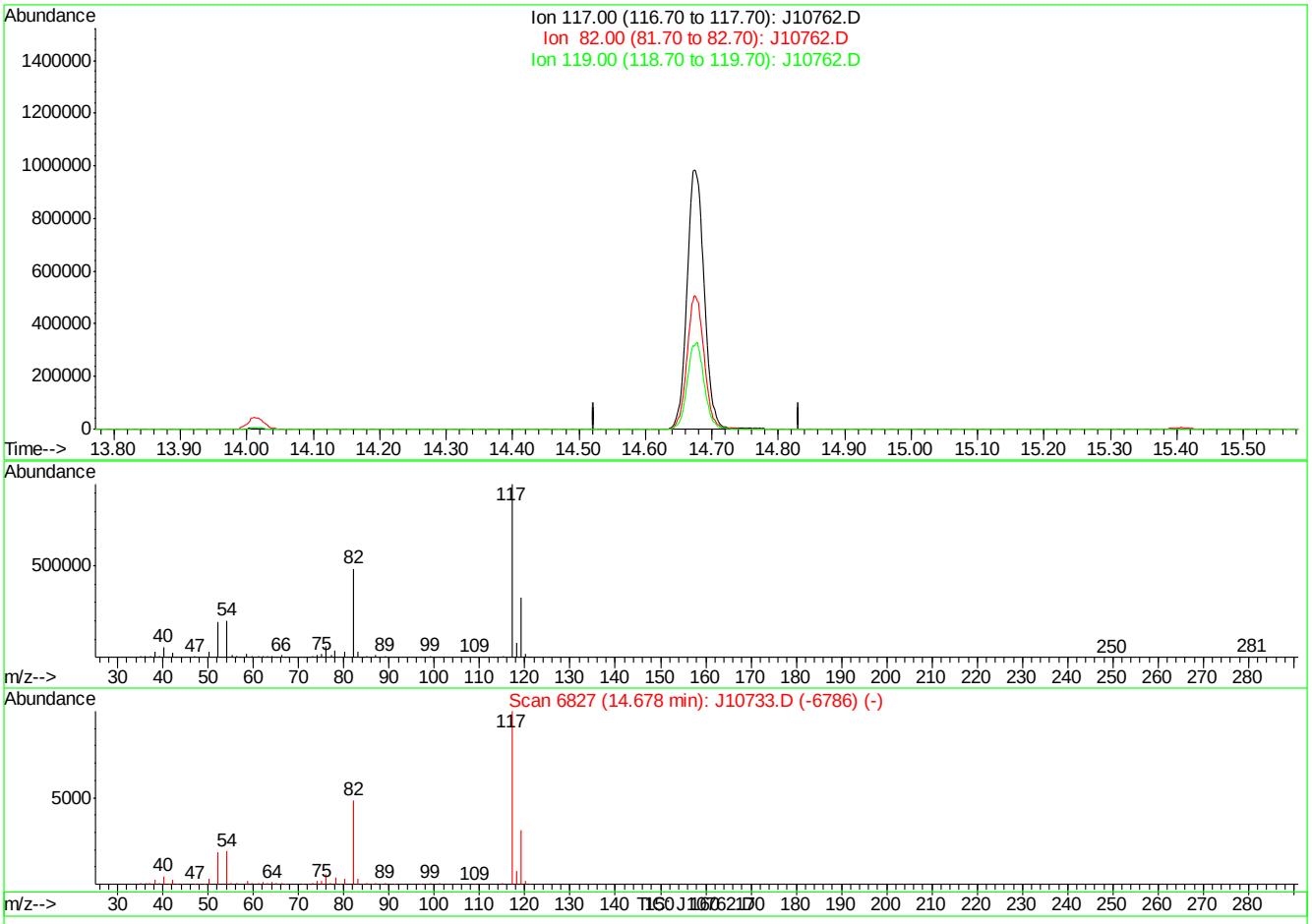


Quantitation Report (Qedit)

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

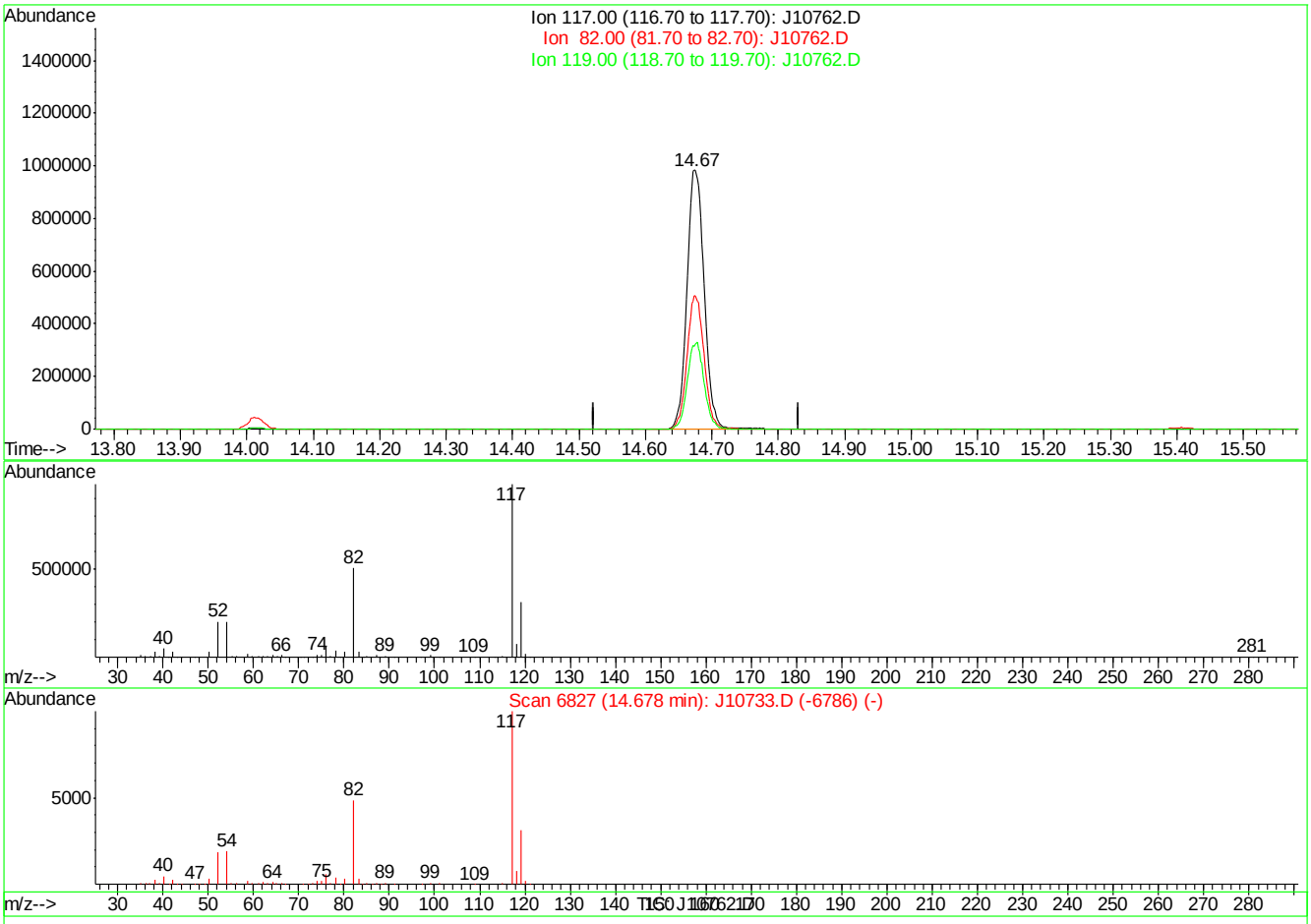
J10762.D J062507T.M Mon Jun 25 15:23:01 2007

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

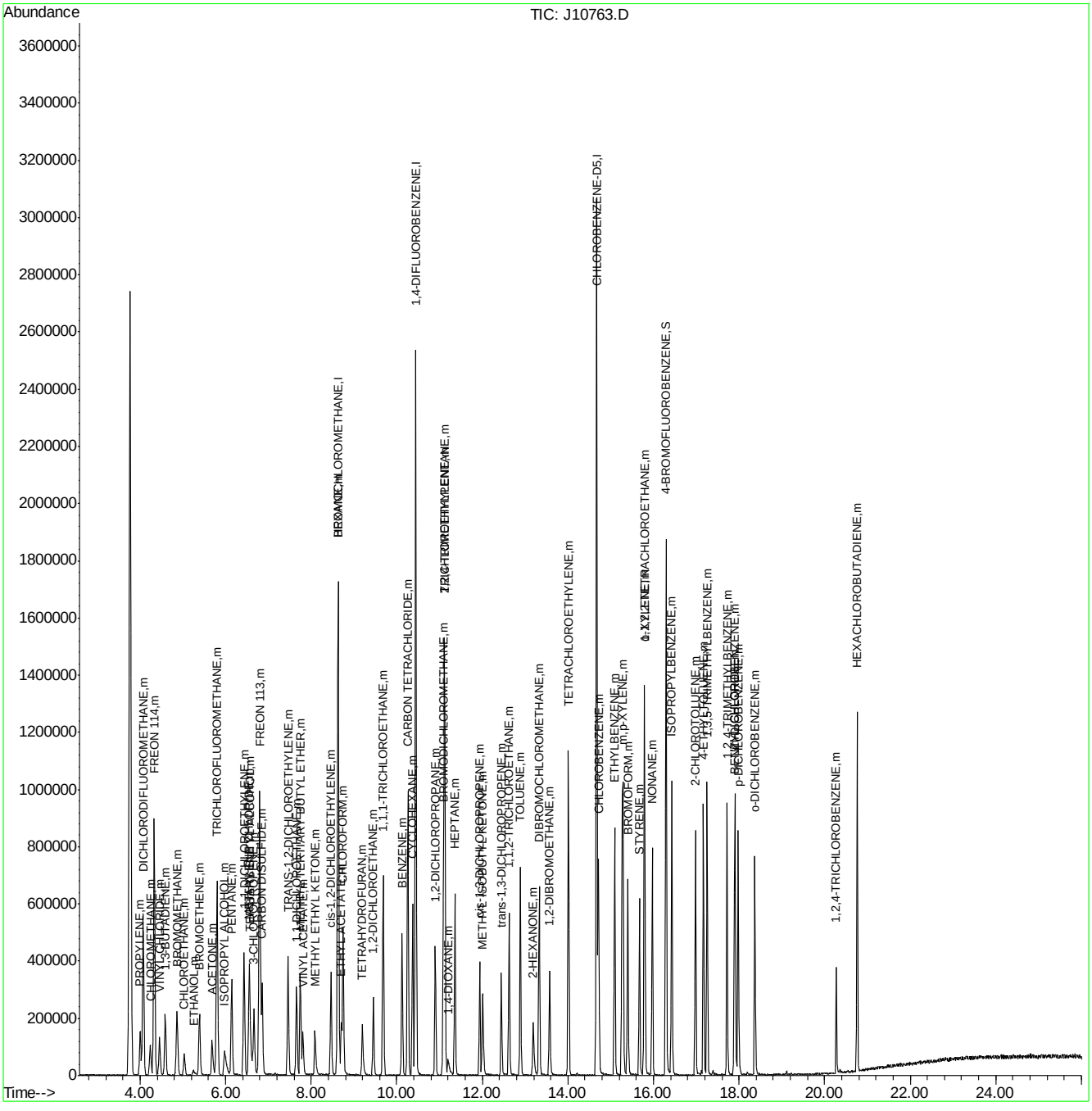
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.01	43	211276	3.49	PPBV	99
45) cis-1,3-DICHLOROPROPENE	11.94	75	196043	4.41	PPBV	98
46) TOLUENE	12.89	92	283875	4.43	PPBV	98
47) trans-1,3-DICHLOROPROPENE	12.44	75	185278	4.43	PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.63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



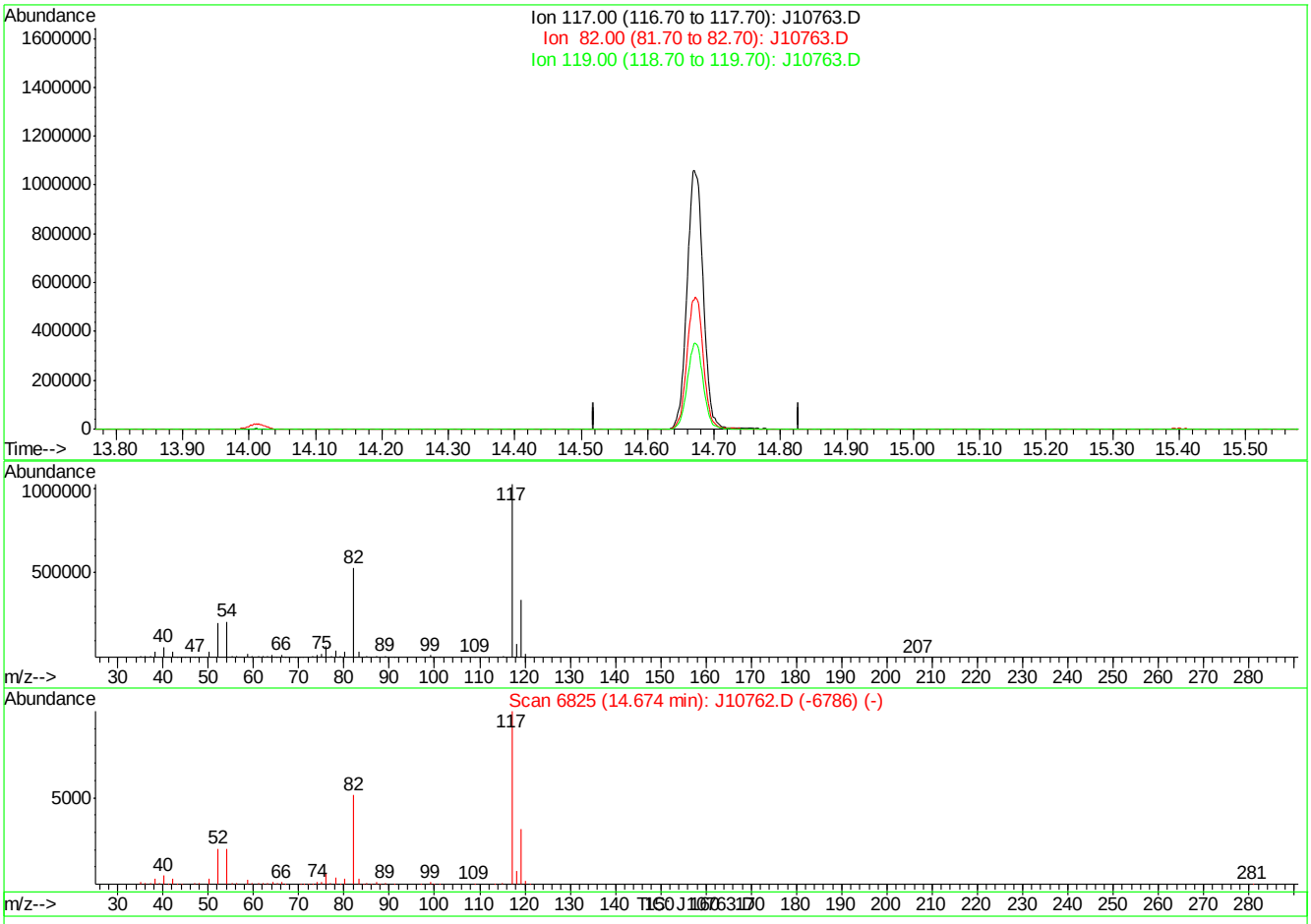
ACCUTEST Laboratories M67337

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

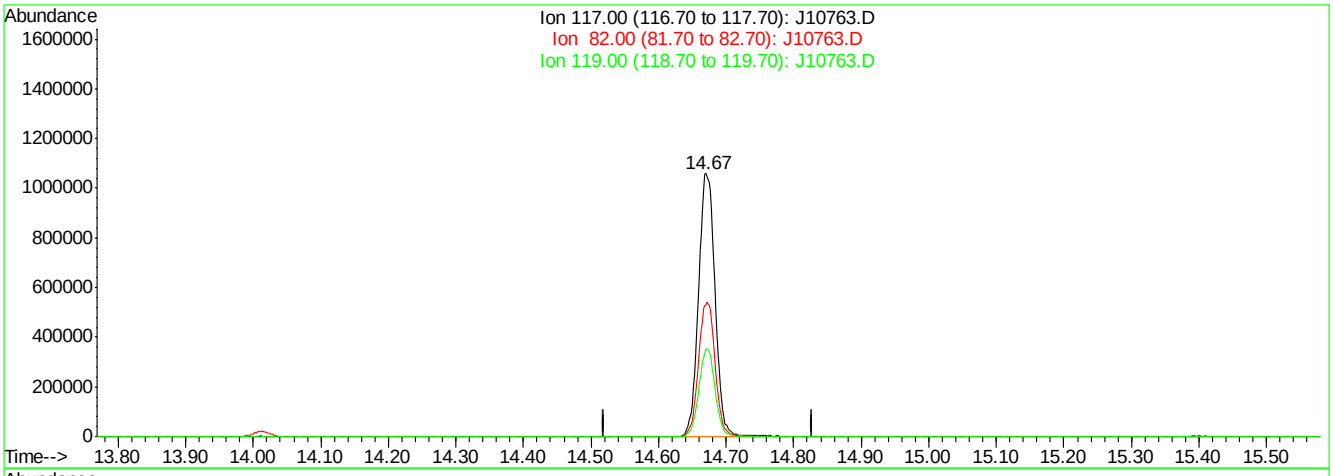
J10763.D J062507T.M Mon Jun 25 16:23:06 2007

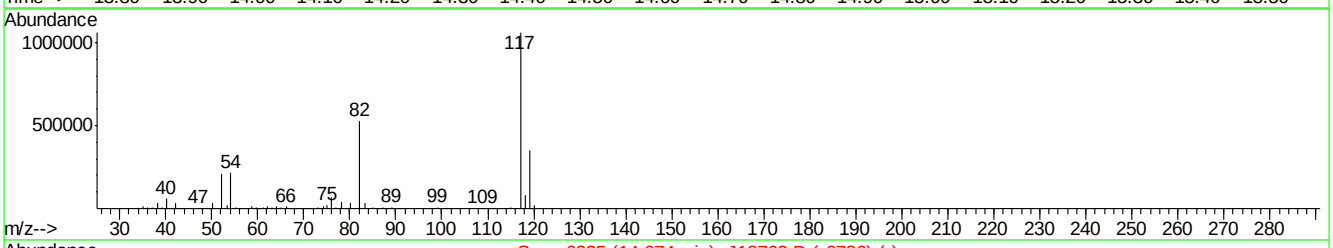
Quantitation Report (Qedit)

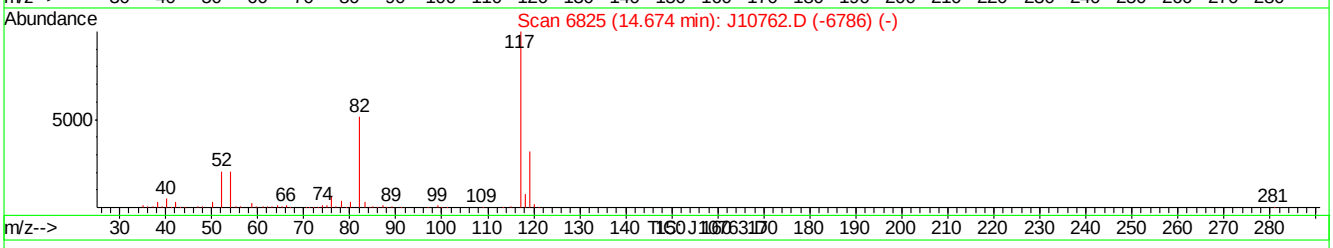
Data File : C:\MSDChem\1\data\J10763.D Vial: 3
Acq On : 25 Jun 2007 3:34 pm Operator: danat
Sample : ic557-5 (m172) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

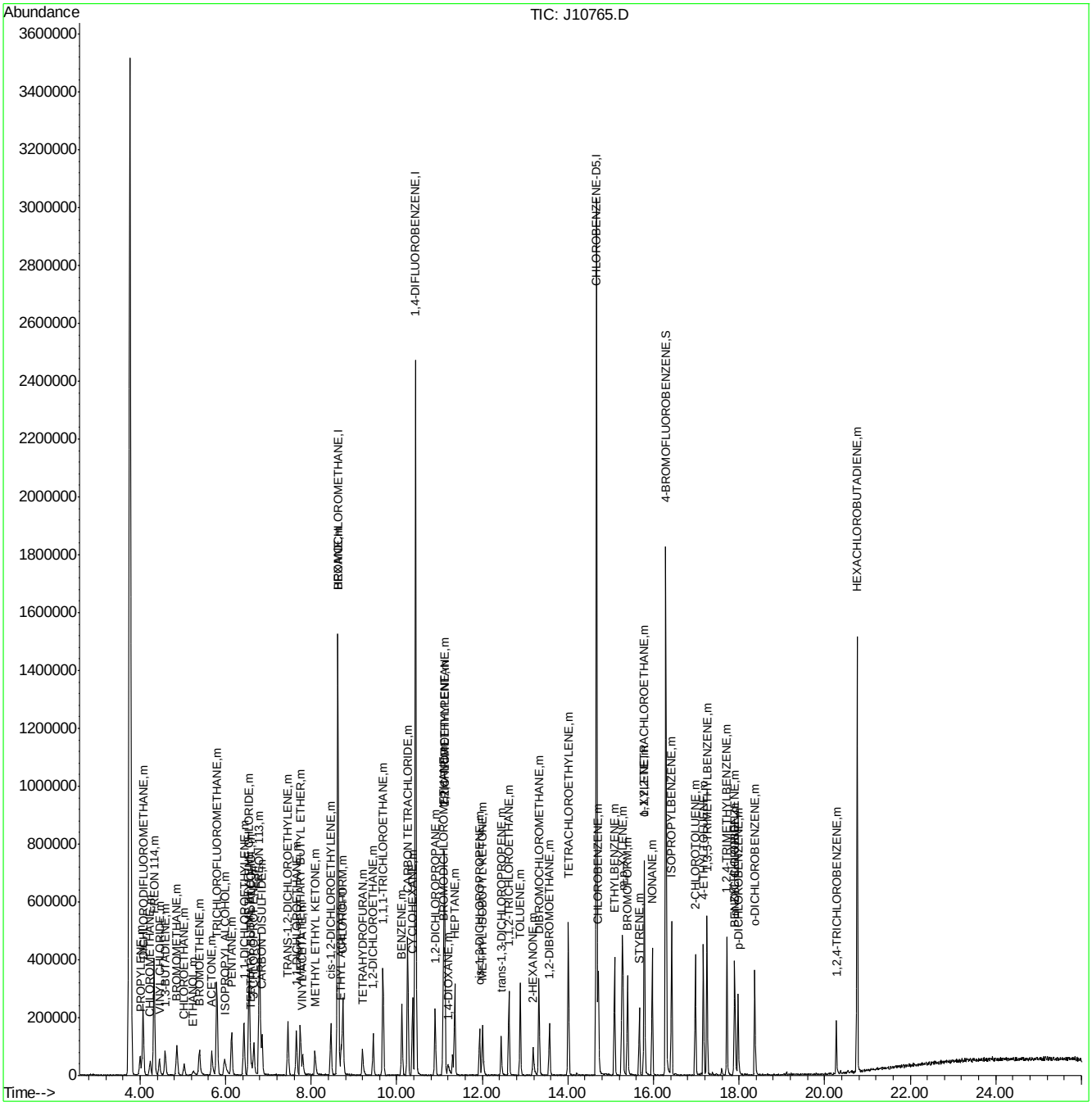
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.00	43	114732	2.11	PPBV	96
45) cis-1,3-DICHLOROPROPENE	11.94	75	78476	2.34	PPBV	98
46) TOLUENE	12.88	92	121156	2.03	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.44	75	66797	2.34	PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.62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

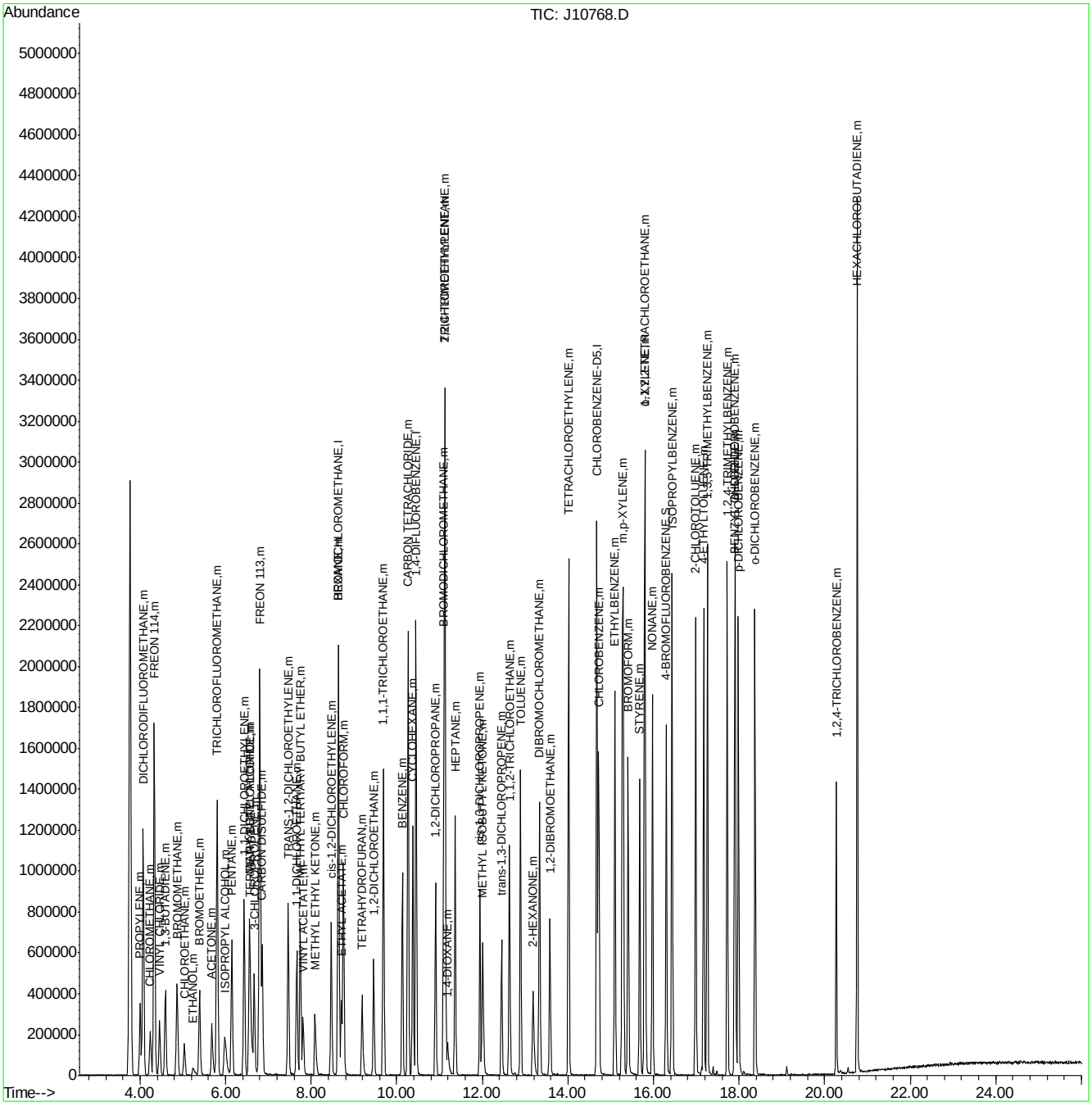
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.01	43	525462	10.45	PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.94	75	449981	9.40	PPBV	98
46) TOLUENE	12.89	92	607046	11.02	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.45	75	363600	8.70	PPBV	98
48) 1,1,2-TRICHLOROETHANE	12.63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

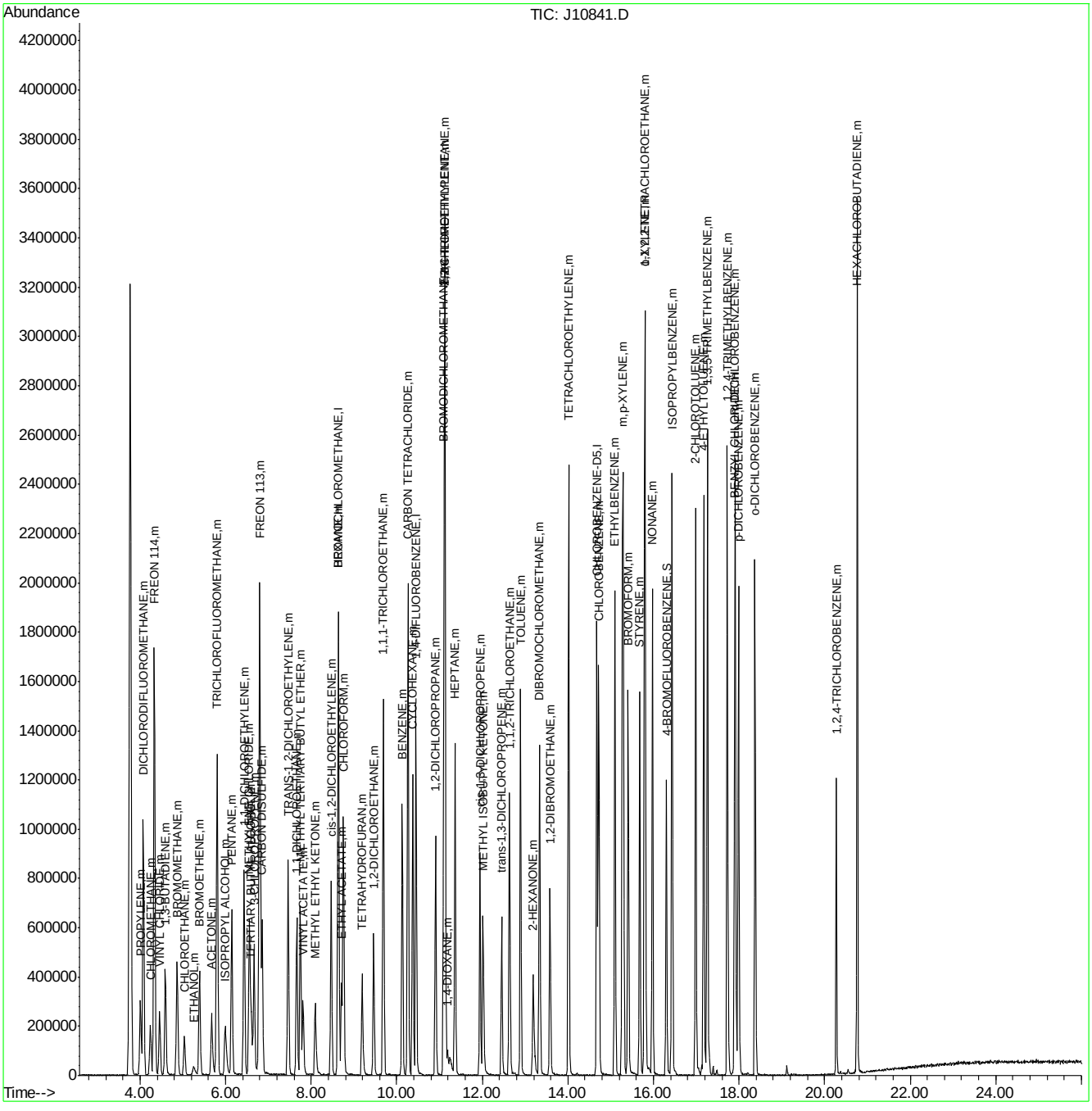
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.01	43	539941	15.25	PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.94	75	468418	13.44	PPBV	99
46) TOLUENE	12.89	92	670460	17.30	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.45	75	367062	10.82	PPBV	100
48) 1,1,2-TRICHLOROETHANE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



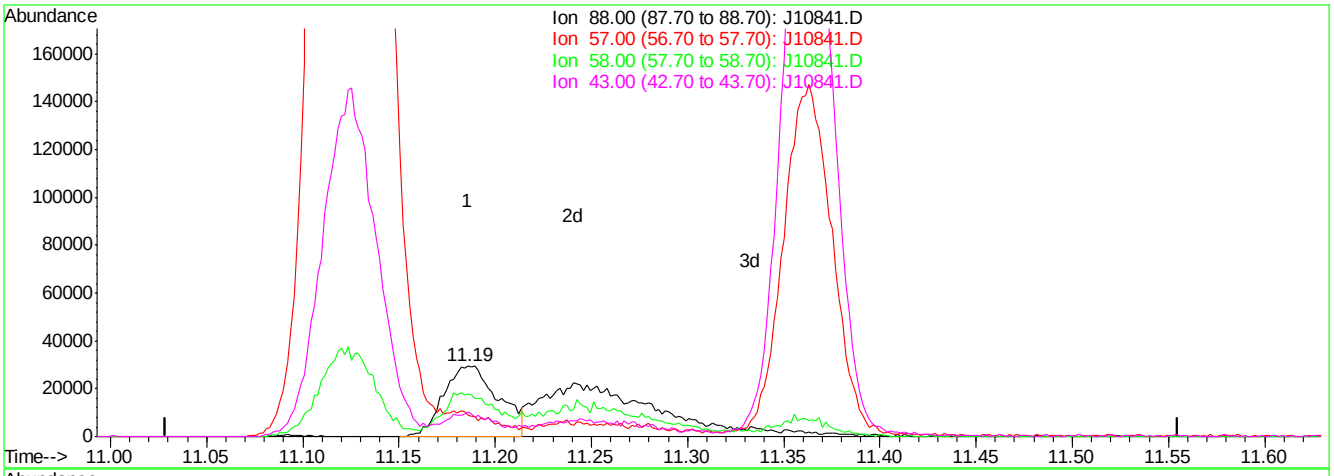
ACCUTEST Laboratories
M67337

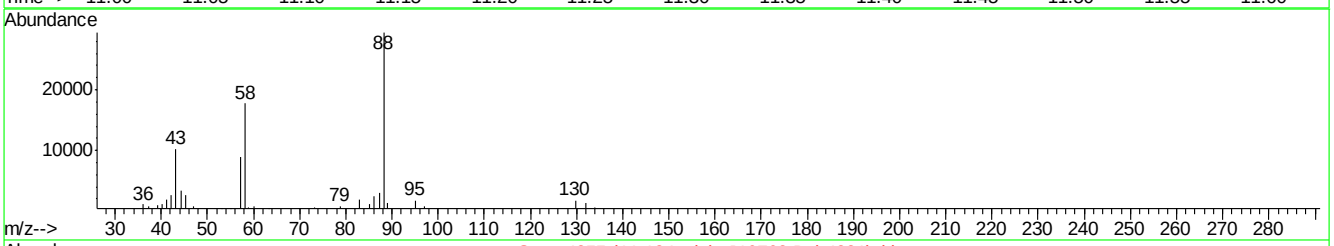
Quantitation Report (Qedit)

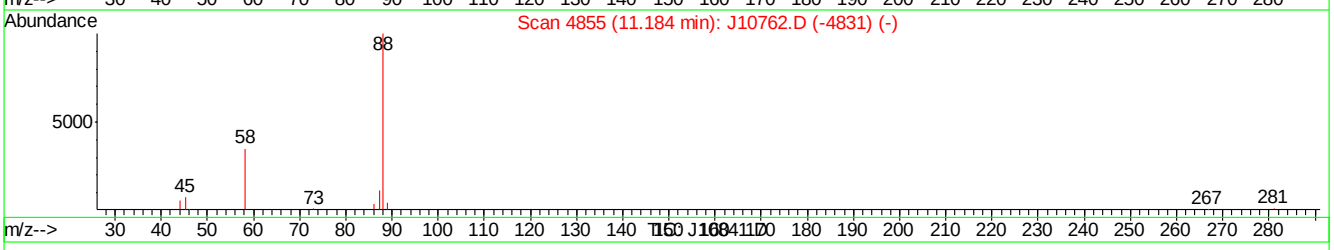
Data File : C:\MSDChem\1\data\J10841.D Vial: 1
Acq On : 3 Jul 2007 11:46 am Operator: danat
Sample : cc557-10 (M080) Inst : MSJ
Misc : MS13762, MSJ561,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

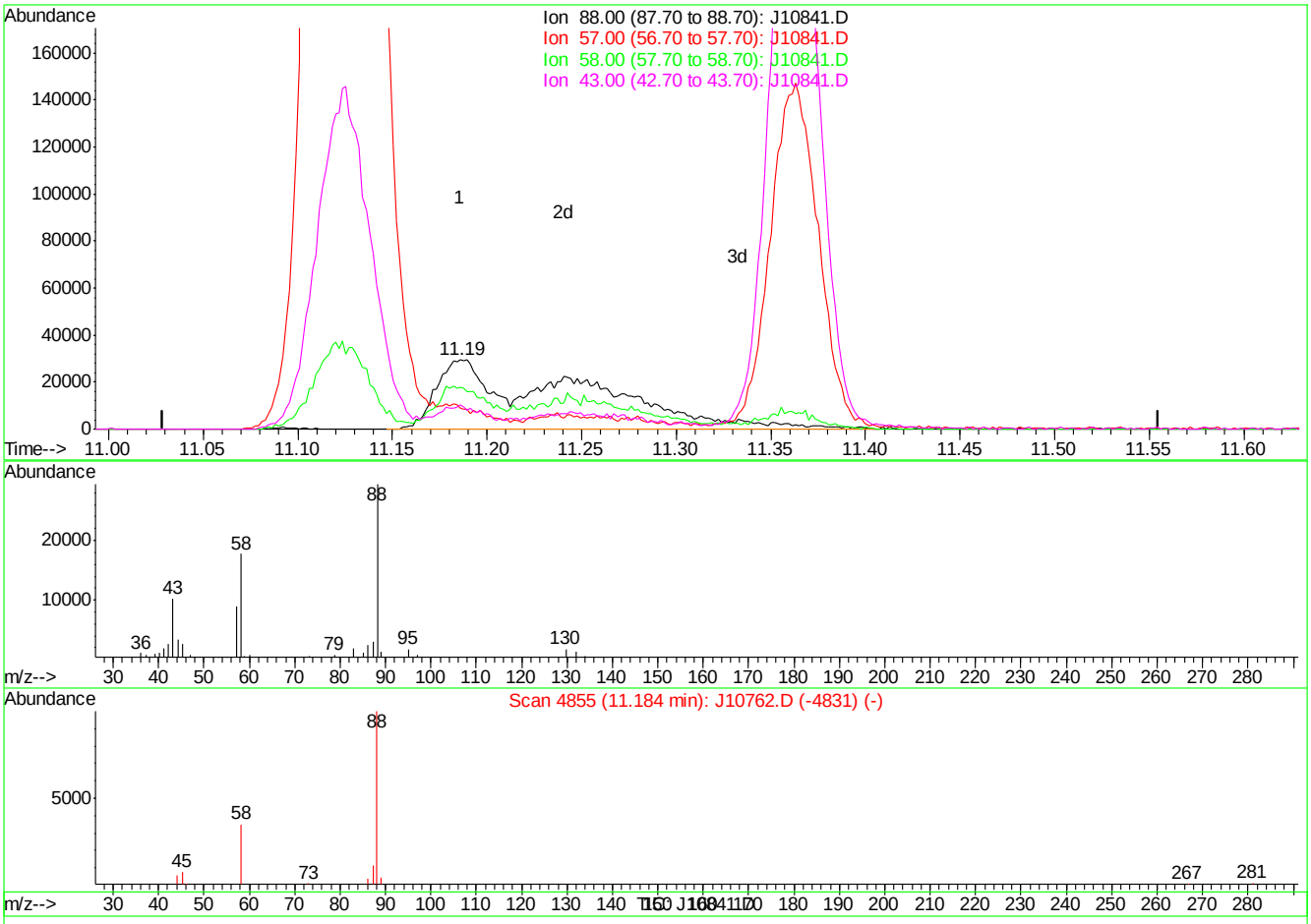
J10841.D J062507T.M Thu Jul 05 17:19:09 2007

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

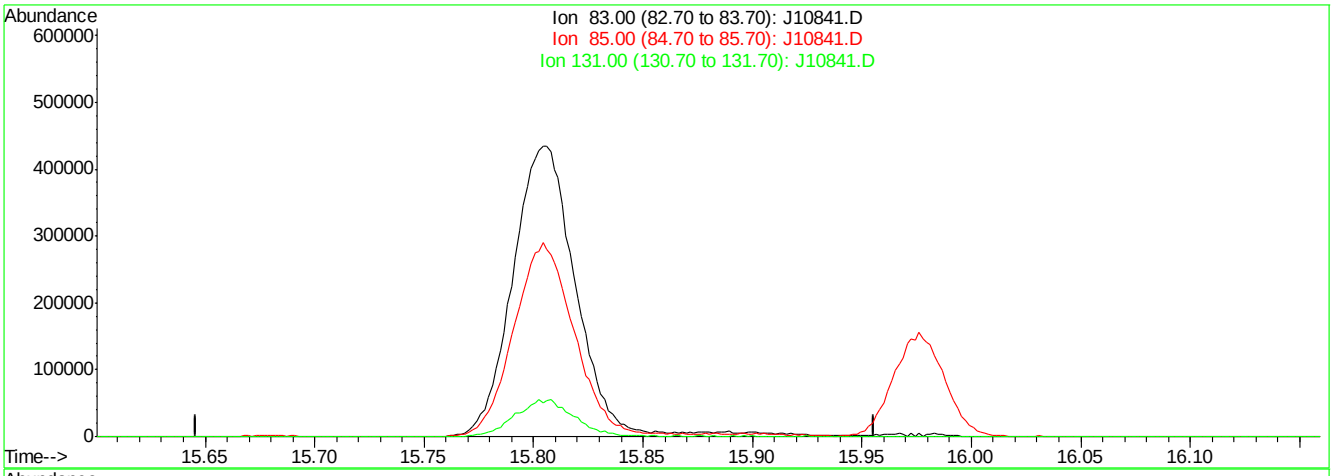
J10841.D J062507T.M Thu Jul 05 17:19:21 2007

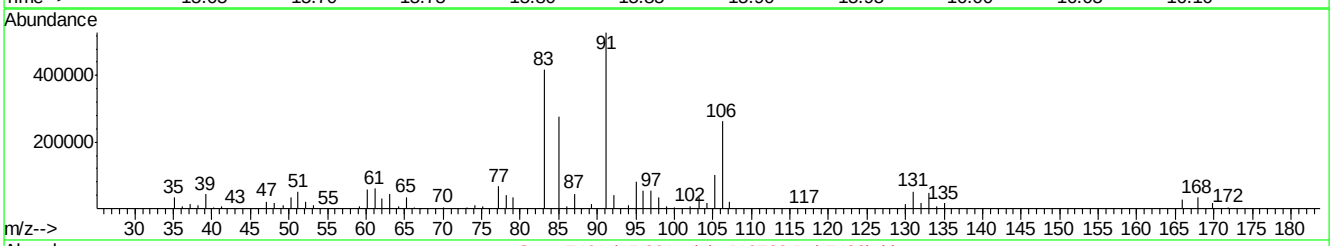
Quantitation Report (Qedit)

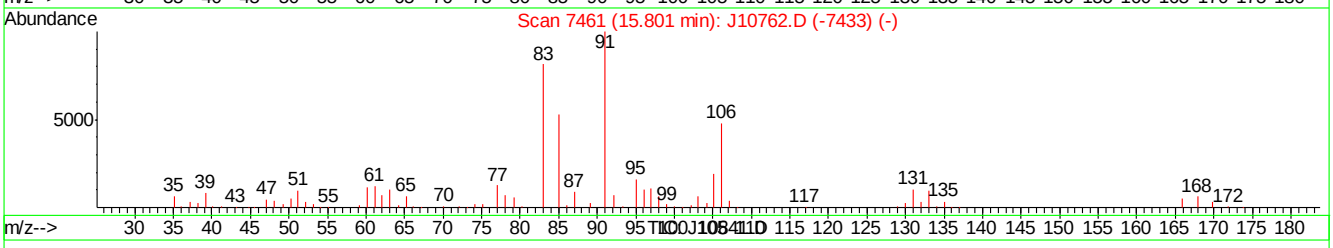
Data File : C:\MSDChem\1\data\J10841.D Vial: 1
Acq On : 3 Jul 2007 11:46 am Operator: danat
Sample : cc557-10 (M080) Inst : MSJ
Misc : MS13762, MSJ561,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

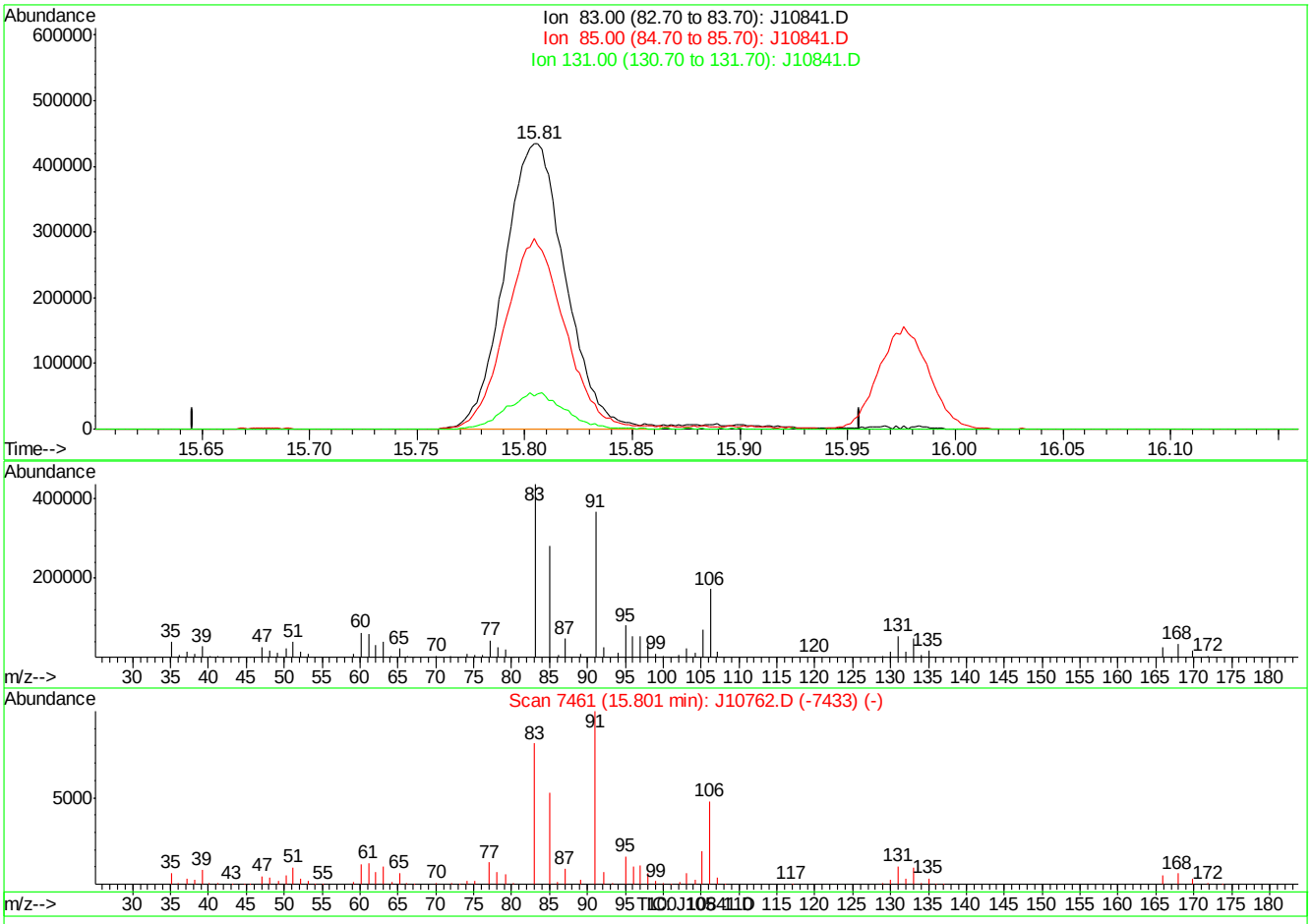
J10841.D J062507T.M Thu Jul 05 17:19:39 2007

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

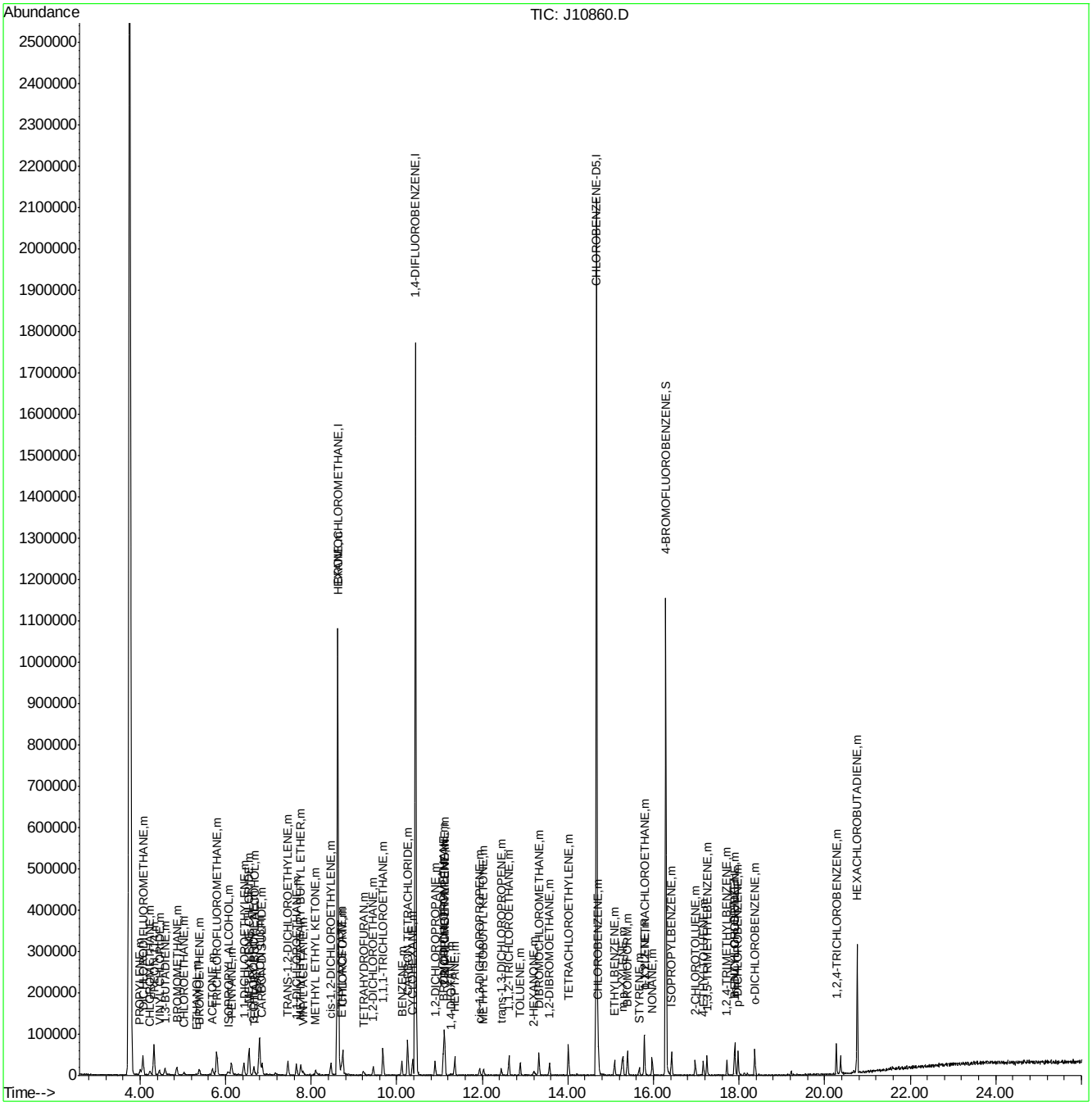
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.02	43	12485	0.34	PPBV	80
45) cis-1,3-DICHLOROPROPENE	11.94	75	9289	0.33	PPBV	92
46) TOLUENE	12.88	92	12463	0.31	PPBV	96
47) trans-1,3-DICHLOROPROPENE	12.44	75	8100	0.31	PPBV	91
48) 1,1,2-TRICHLOROETHANE	12.62	83	10909	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

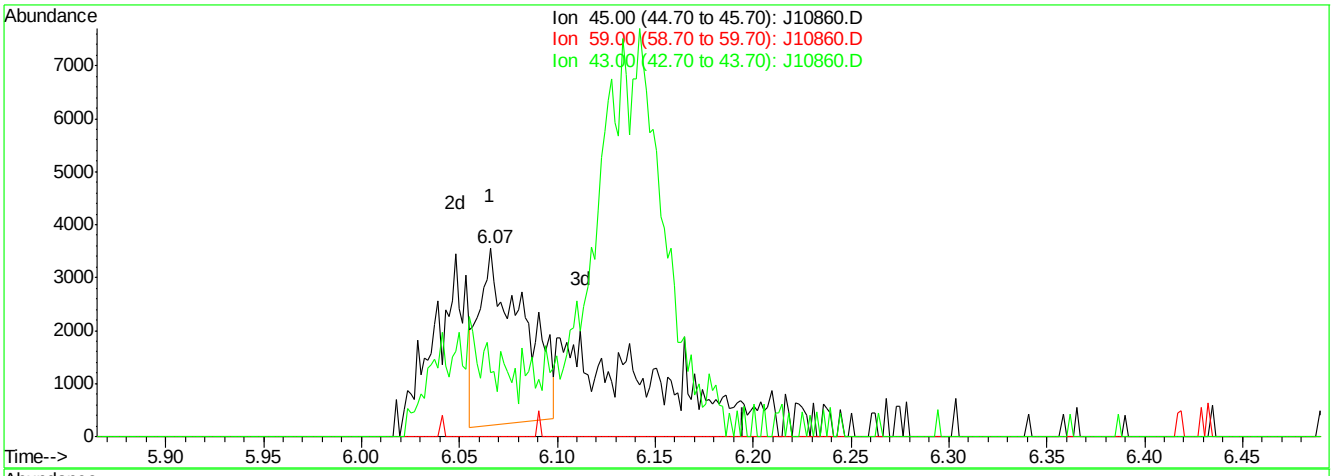


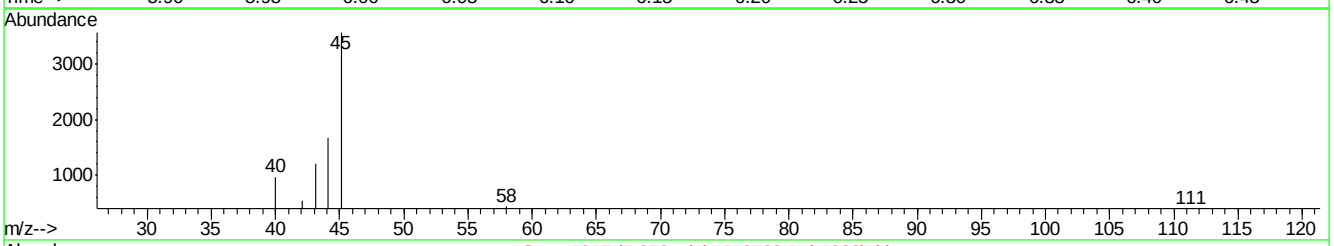
Quantitation Report (Qedit)

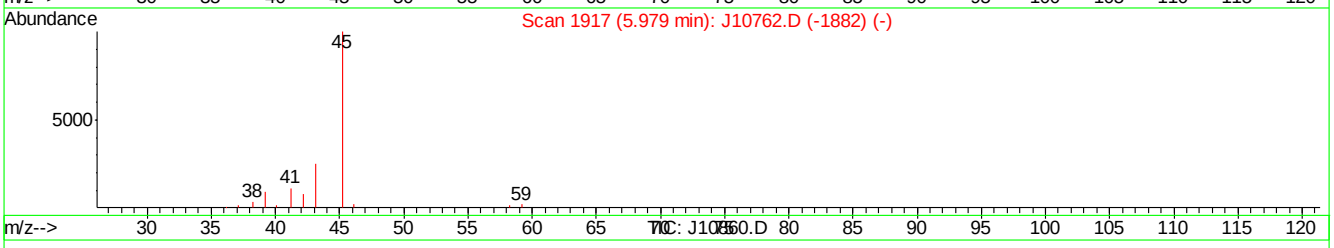
Data File : C:\MSDChem\1\data\J10860.D Vial: 1
Acq On : 5 Jul 2007 10:47 am Operator: danat
Sample : ic562-0.5 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

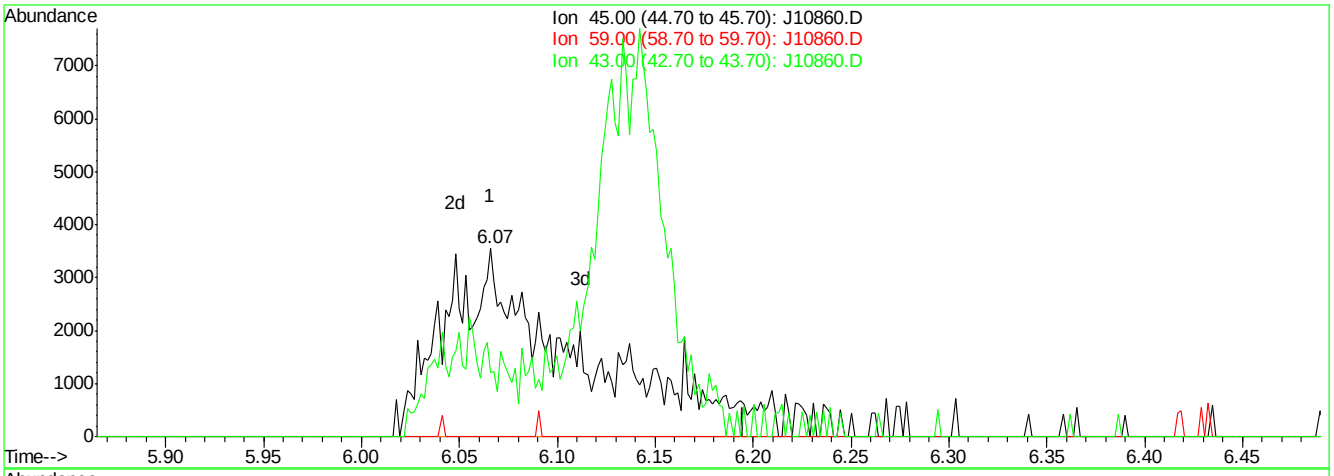
J10860.D J070507T.M Thu Jul 05 11:26:38 2007

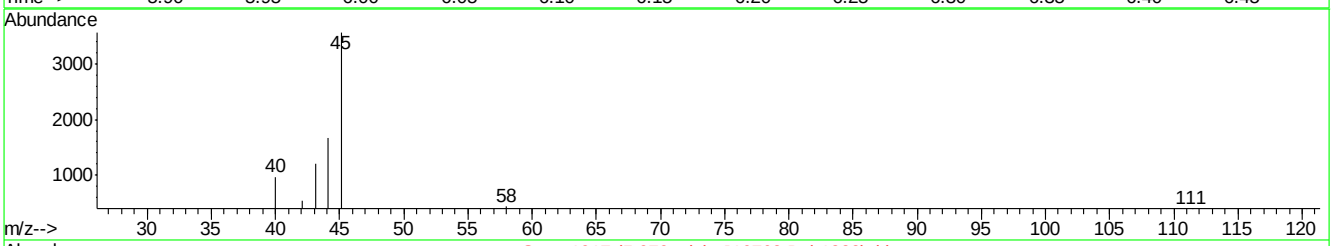
Quantitation Report (Qedit)

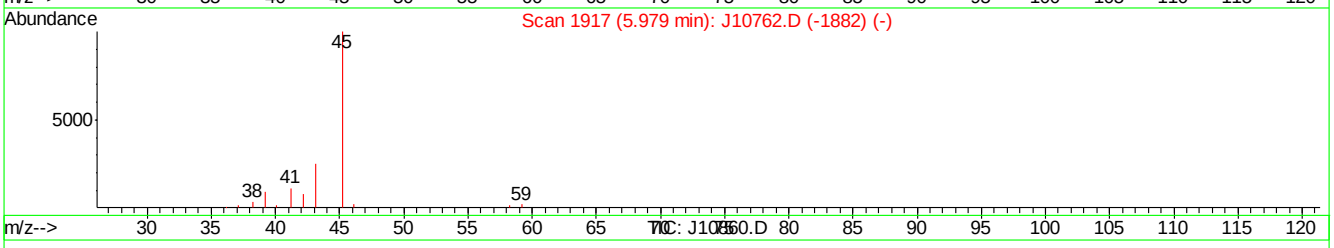
Data File : C:\MSDChem\1\data\J10860.D Vial: 1
Acq On : 5 Jul 2007 10:47 am Operator: danat
Sample : ic562-0.5 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

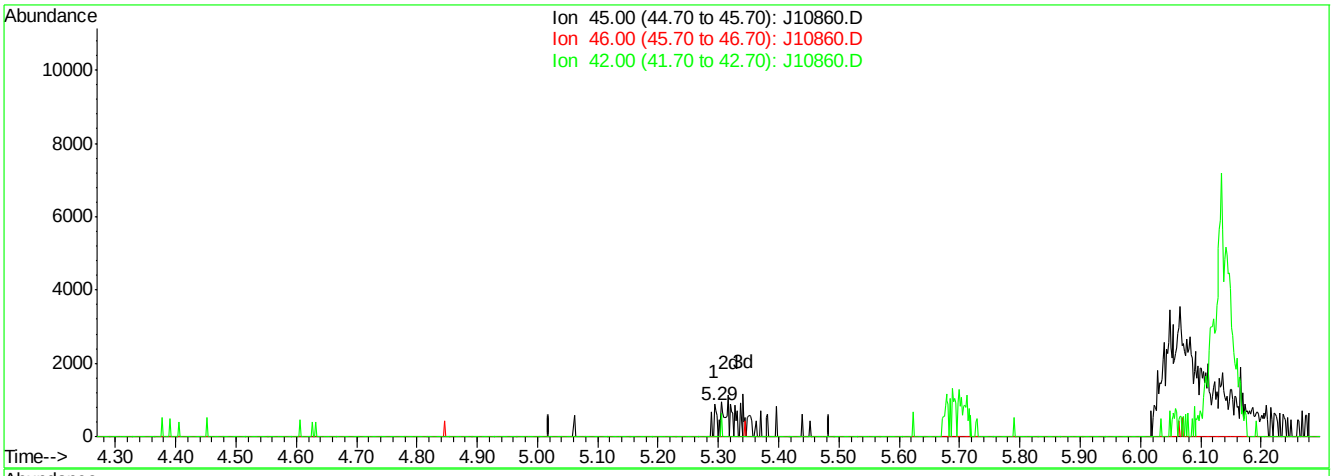
J10860.D J070507T.M Thu Jul 05 11:26:48 2007

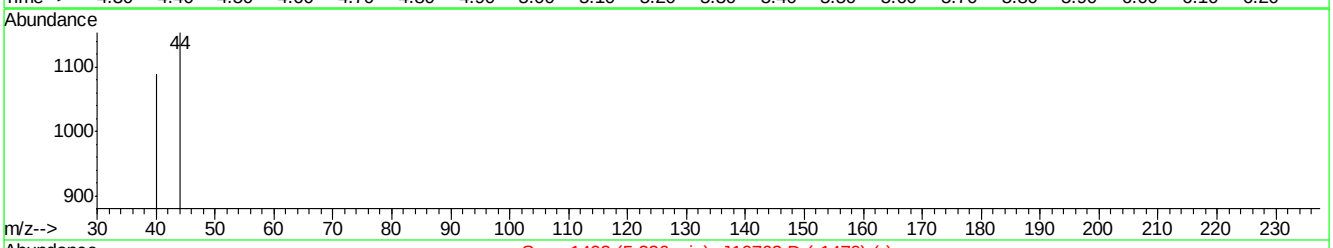
Quantitation Report (Qedit)

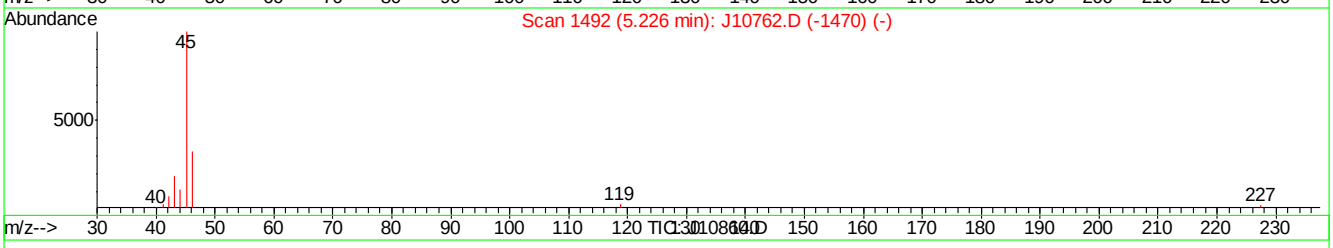
Data File : C:\MSDChem\1\data\J10860.D Vial: 1
Acq On : 5 Jul 2007 10:47 am Operator: danat
Sample : ic562-0.5 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

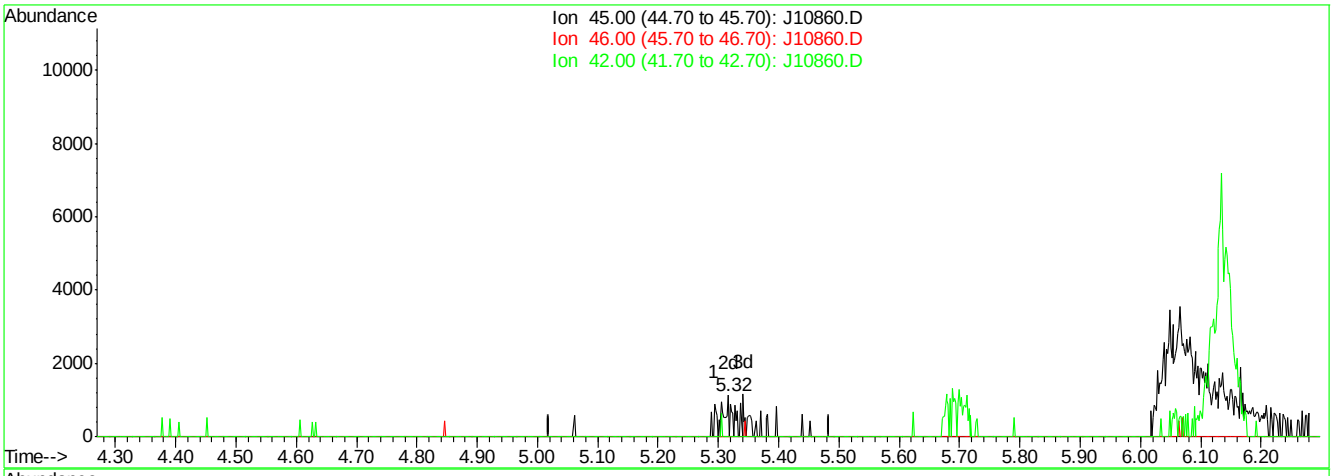
J10860.D J070507T.M Thu Jul 05 11:26:56 2007

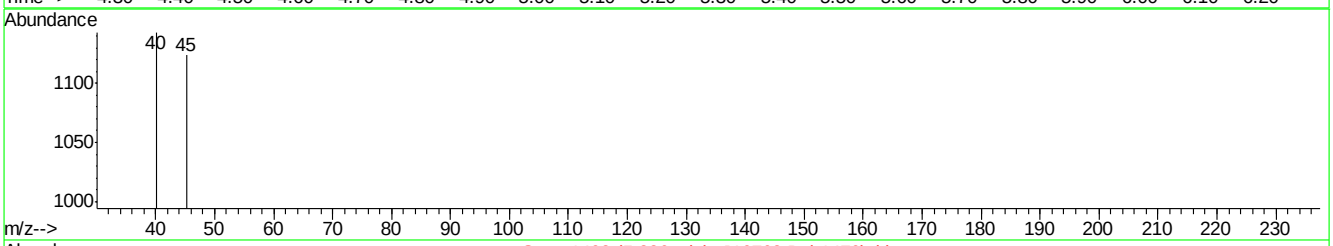
Quantitation Report (Qedit)

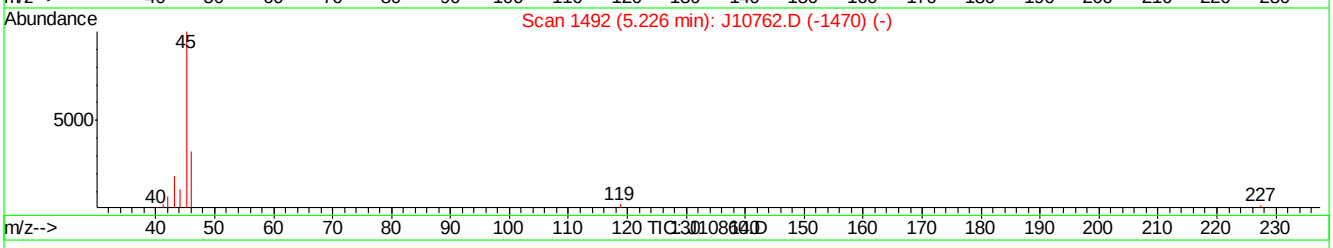
Data File : C:\MSDChem\1\data\J10860.D Vial: 1
Acq On : 5 Jul 2007 10:47 am Operator: danat
Sample : ic562-0.5 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

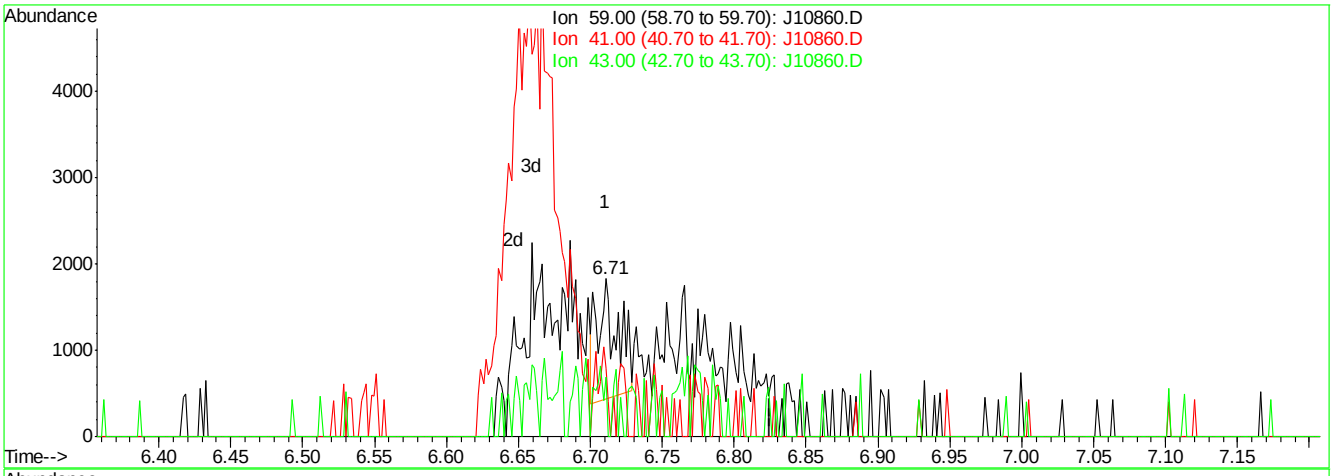
J10860.D J070507T.M Thu Jul 05 11:27:18 2007

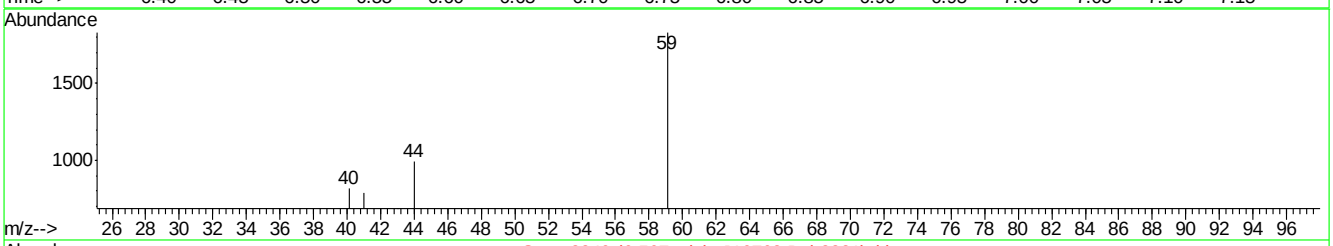
Quantitation Report (Qedit)

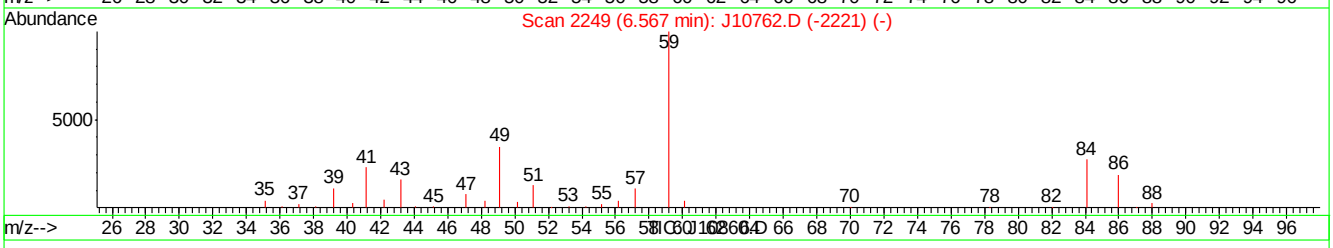
Data File : C:\MSDChem\1\data\J10860.D Vial: 1
Acq On : 5 Jul 2007 10:47 am Operator: danat
Sample : ic562-0.5 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

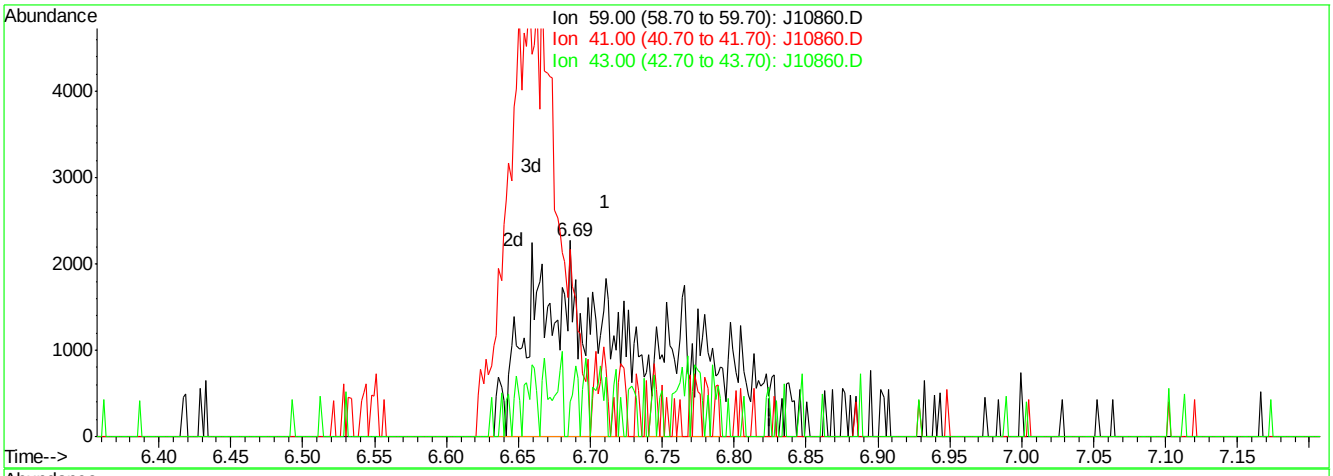
J10860.D J070507T.M Thu Jul 05 11:27:29 2007

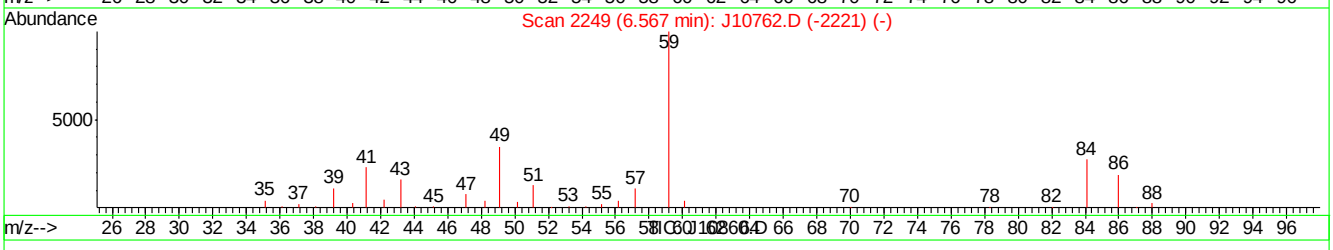
Quantitation Report (Qedit)

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

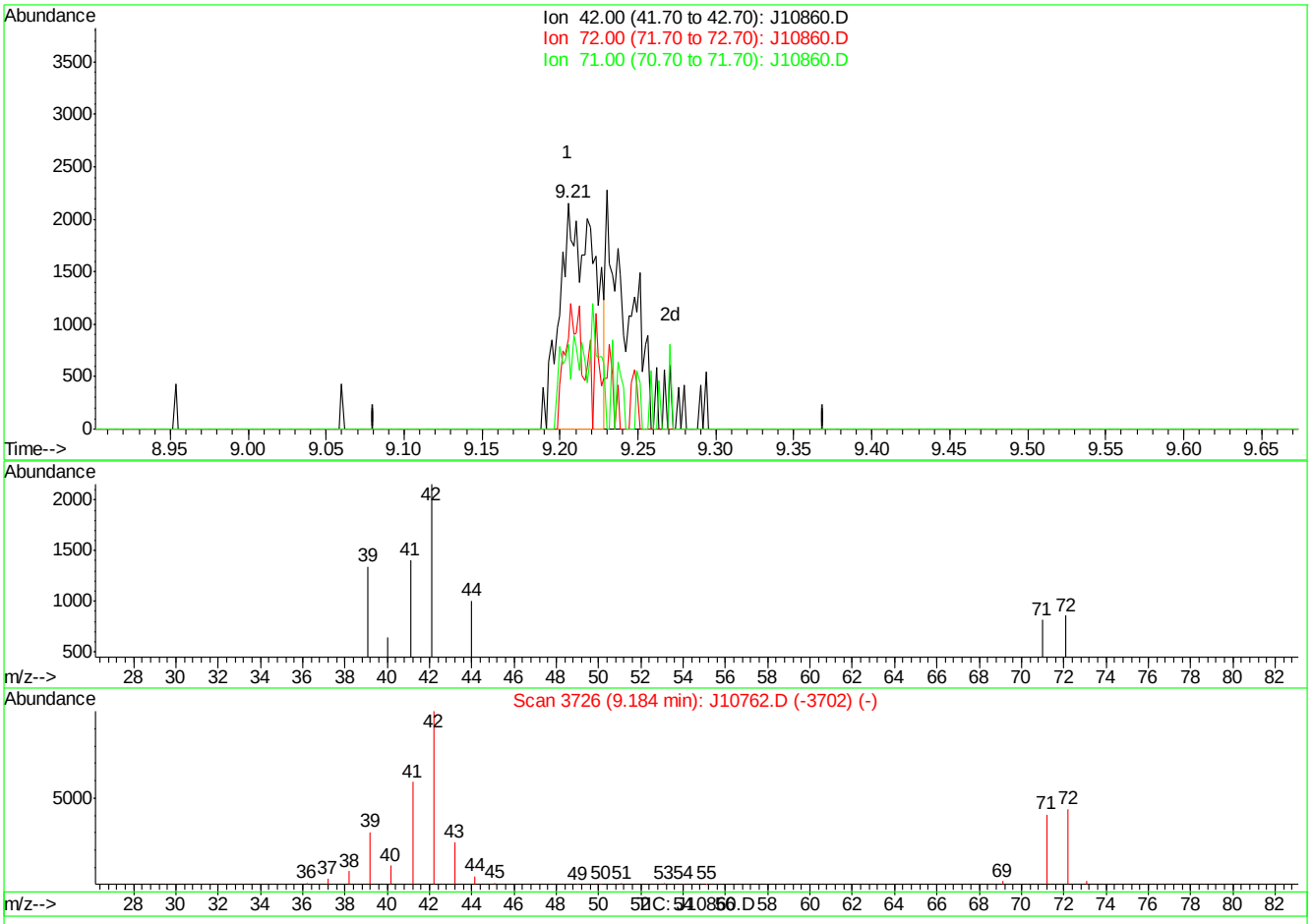
J10860.D J070507T.M Thu Jul 05 11:27:45 2007

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

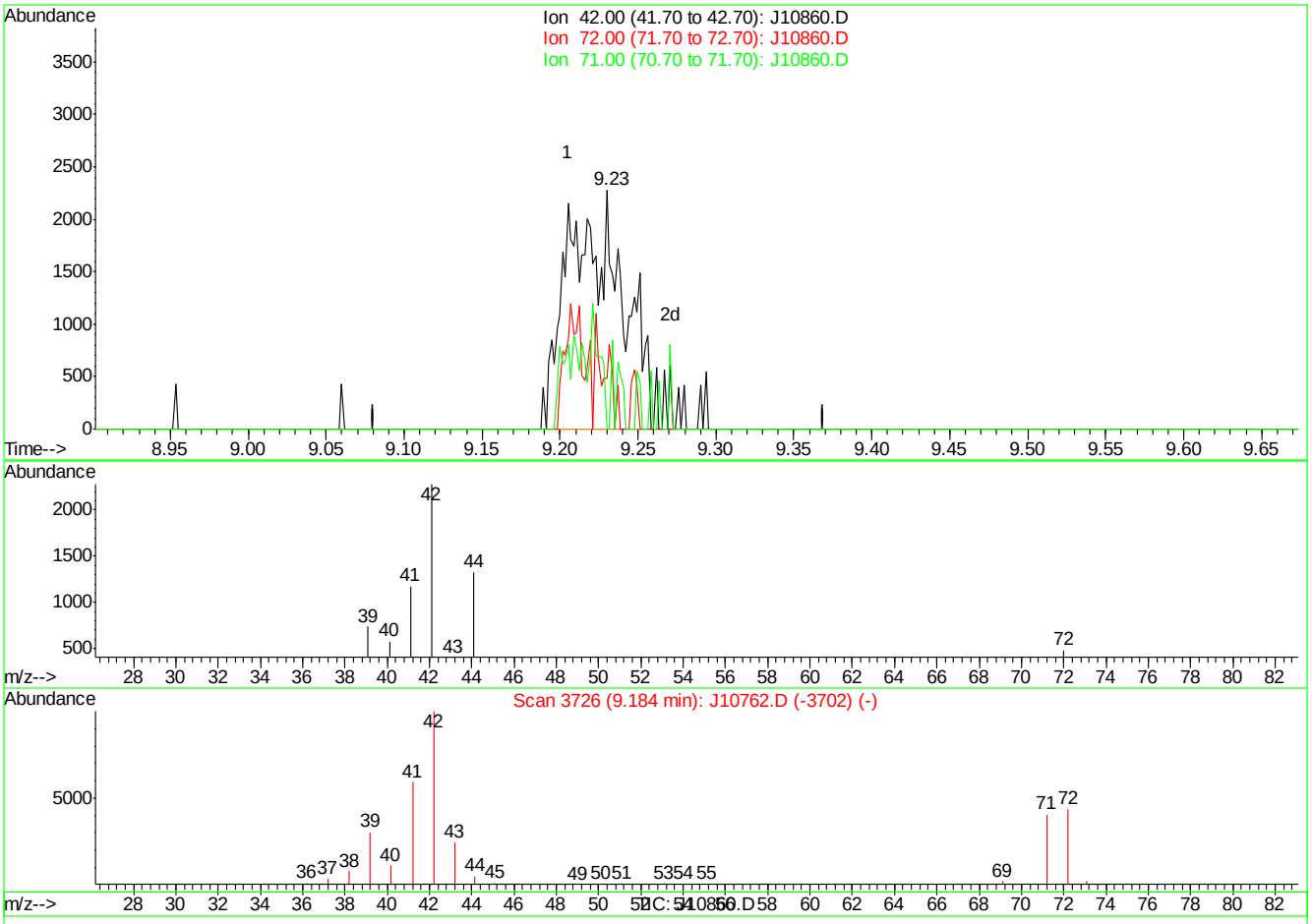
J10860.D J070507T.M Thu Jul 05 11:27:51 2007

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

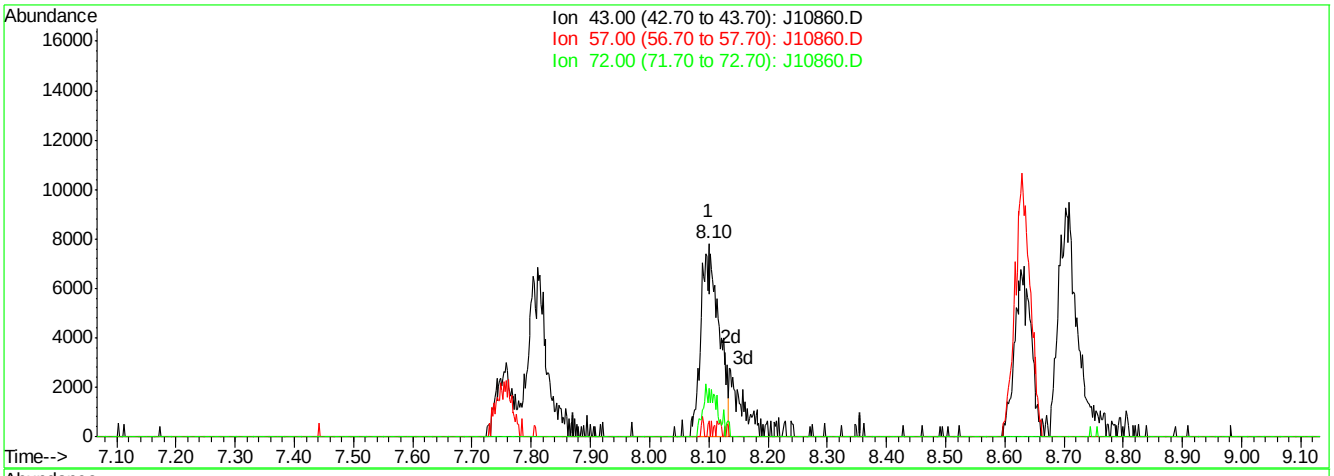
J10860.D J070507T.M Thu Jul 05 11:28:01 2007

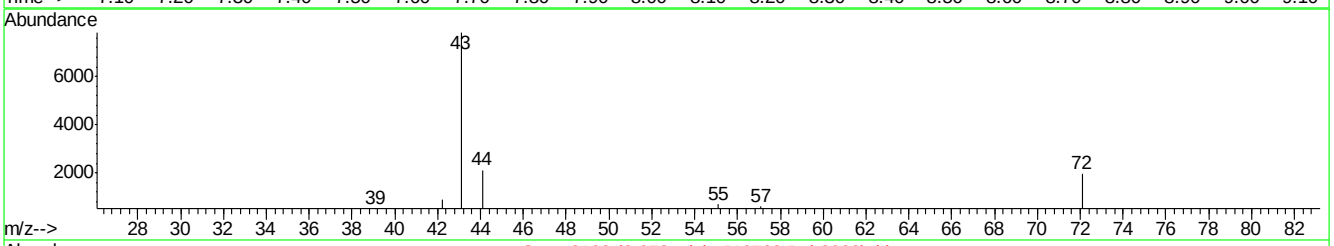
Quantitation Report (Qedit)

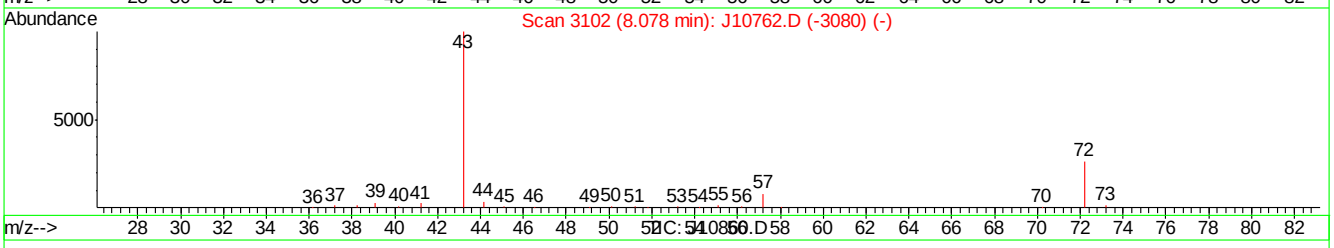
Data File : C:\MSDChem\1\data\J10860.D Vial: 1
Acq On : 5 Jul 2007 10:47 am Operator: danat
Sample : ic562-0.5 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

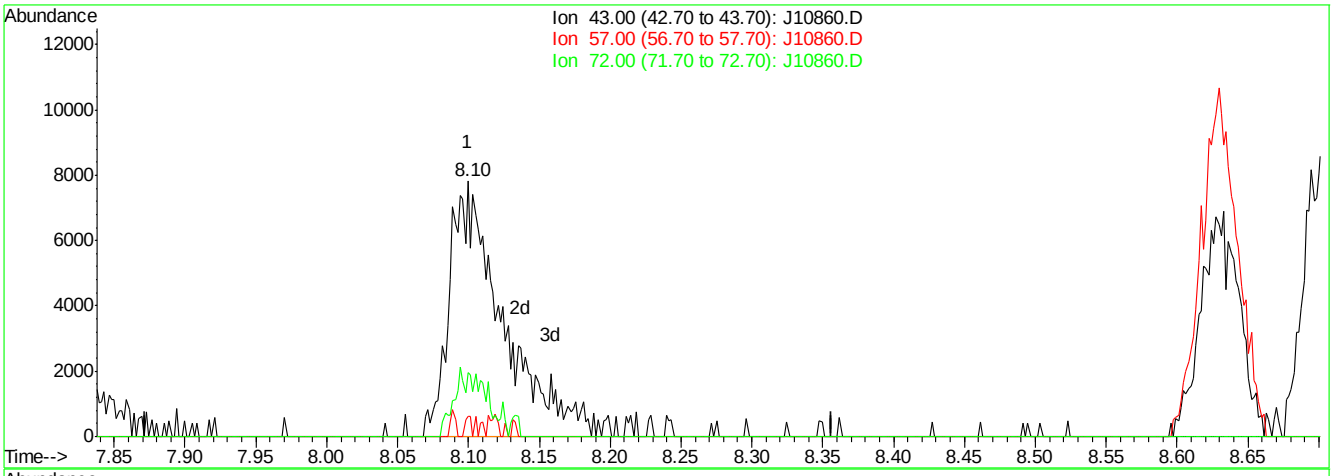
J10860.D J070507T.M Thu Jul 05 11:28:12 2007

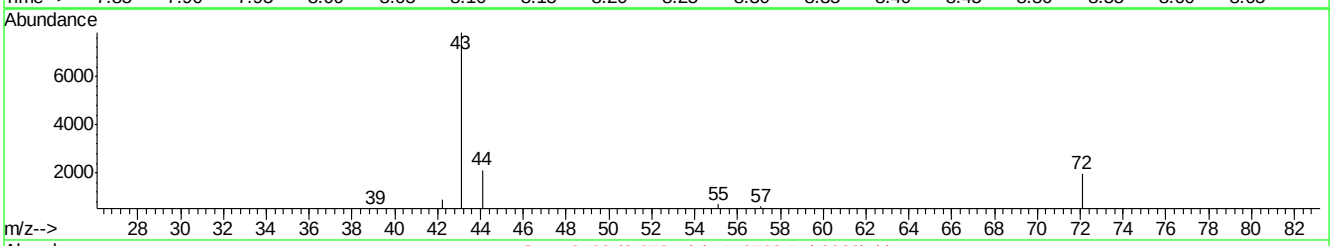
Quantitation Report (Qedit)

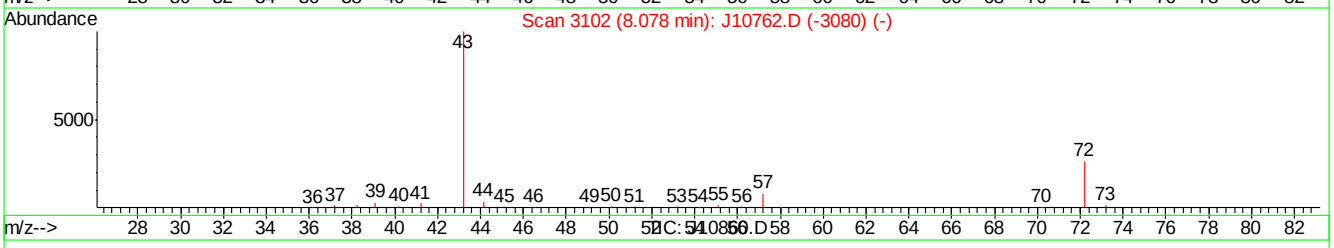
Data File : C:\MSDChem\1\data\J10860.D Vial: 1
Acq On : 5 Jul 2007 10:47 am Operator: danat
Sample : ic562-0.5 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

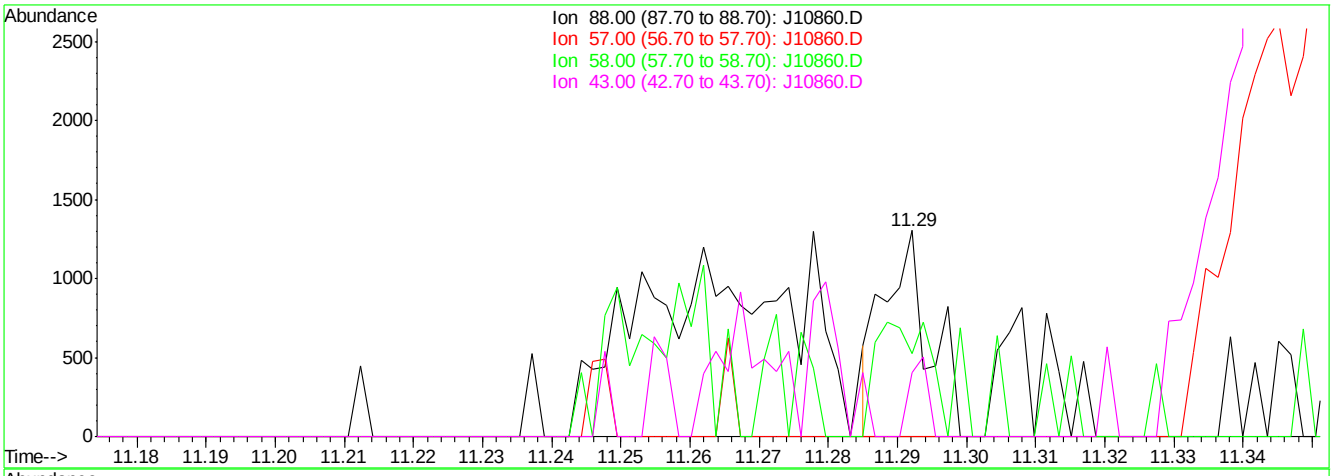
J10860.D J070507T.M Thu Jul 05 11:28:19 2007

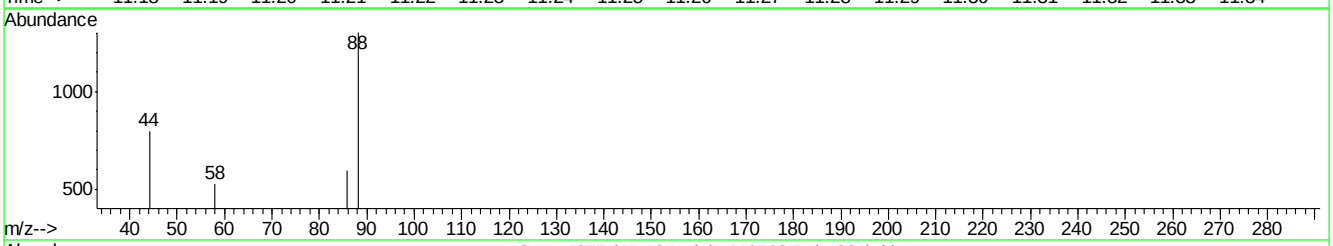
Quantitation Report (Qedit)

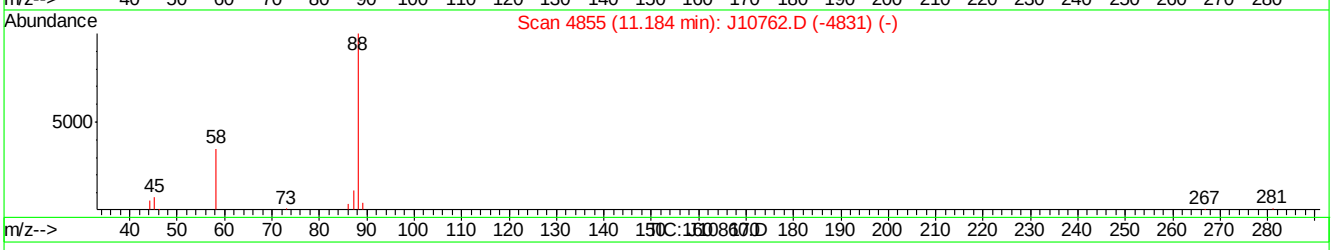
Data File : C:\MSDChem\1\data\J10860.D Vial: 1
Acq On : 5 Jul 2007 10:47 am Operator: danat
Sample : ic562-0.5 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

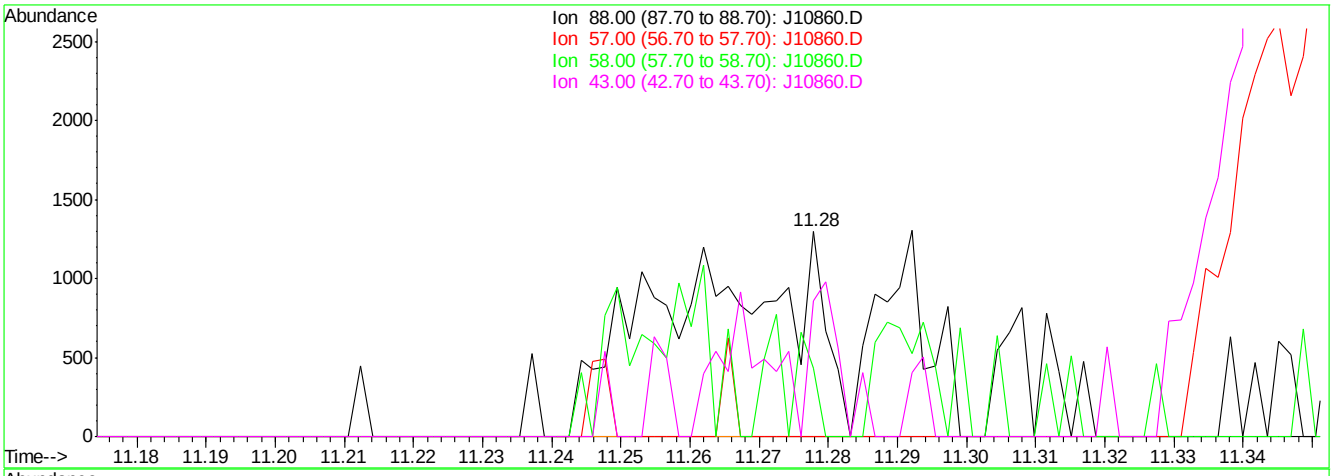
J10860.D J070507T.M Thu Jul 05 11:28:38 2007

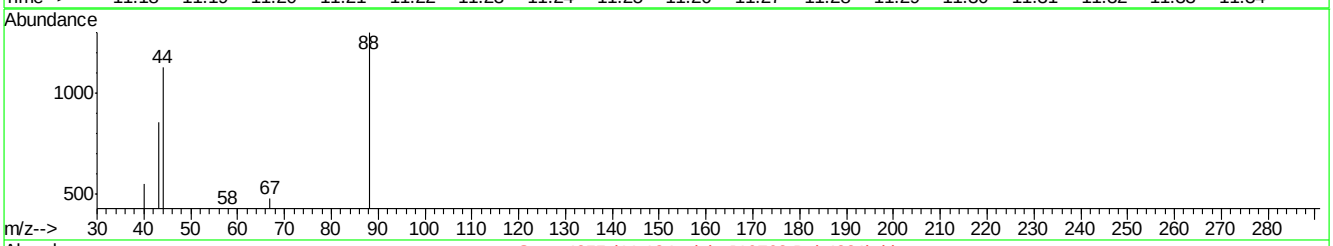
Quantitation Report (Qedit)

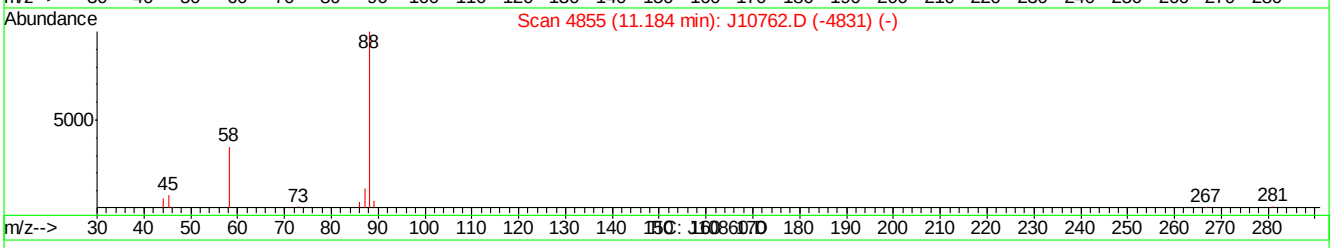
Data File : C:\MSDChem\1\data\J10860.D Vial: 1
Acq On : 5 Jul 2007 10:47 am Operator: danat
Sample : ic562-0.5 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

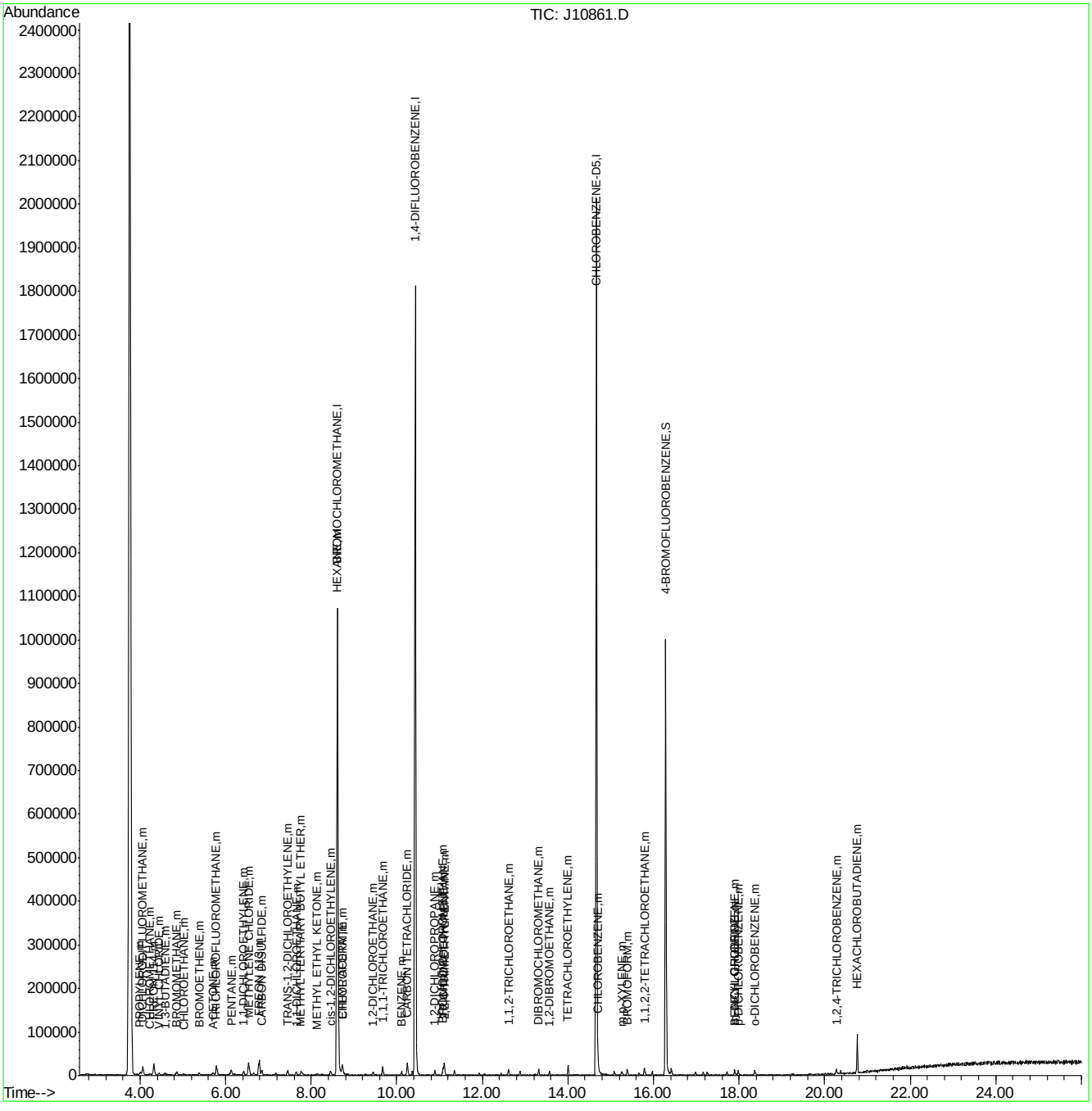
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) BENZYL CHLORIDE	17.89	91	3365	0.10	PPBV	68
70) p-DICHLOROBENZENE	17.98	146	4657	0.12	PPBV	93
71) o-DICHLOROBENZENE	18.37	146	5188	0.13	PPBV	95
72) HEXACHLOROBUTADIENE	20.76	225	14766	0.39	PPBV	97
73) 1,2,4-TRICHLOROBENZENE	20.27	180	4132	0.26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



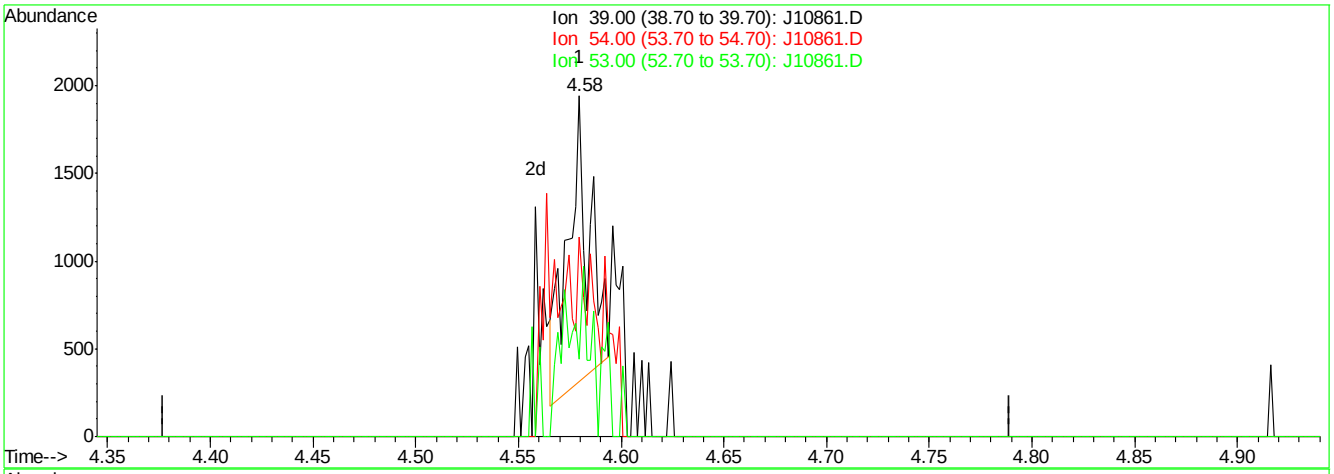
ACCUTEST Laboratories M67337

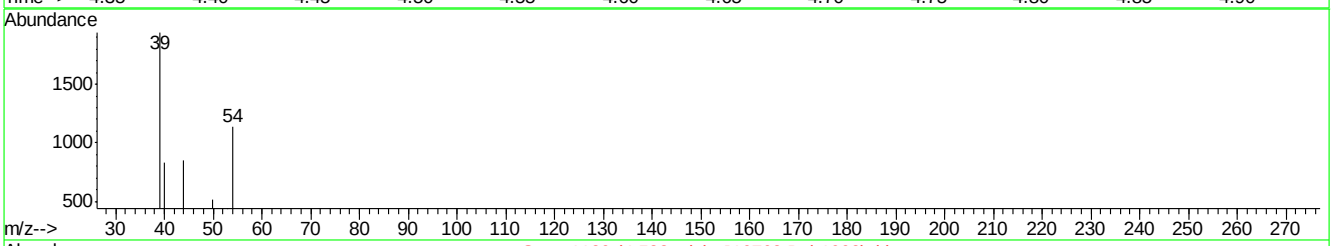
Quantitation Report (Qedit)

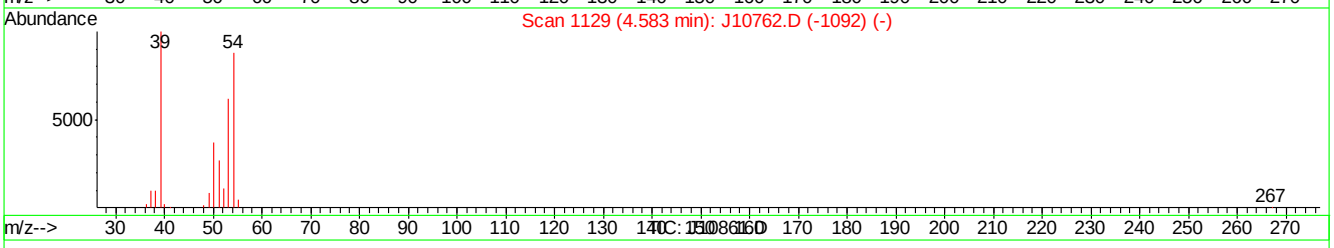
Data File : C:\MSDChem\1\data\J10861.D Vial: 1
Acq On : 5 Jul 2007 11:40 am Operator: danat
Sample : ic562-0.2 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

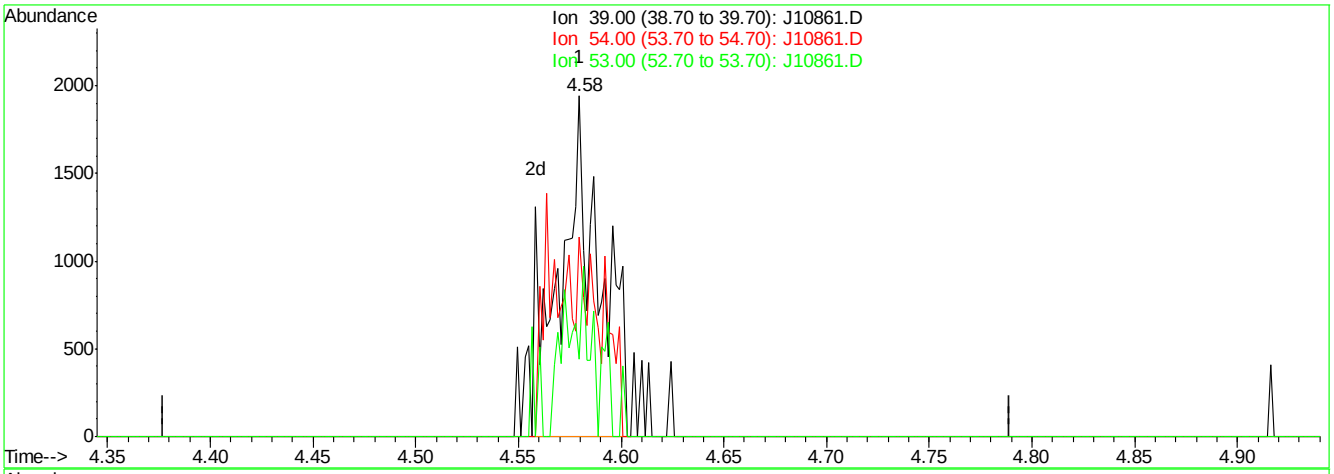
J10861.D J070507T.M Thu Jul 05 12:06:49 2007

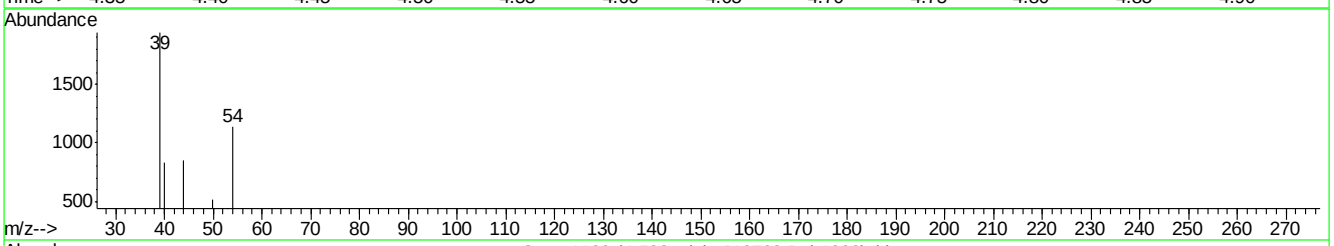
Quantitation Report (Qedit)

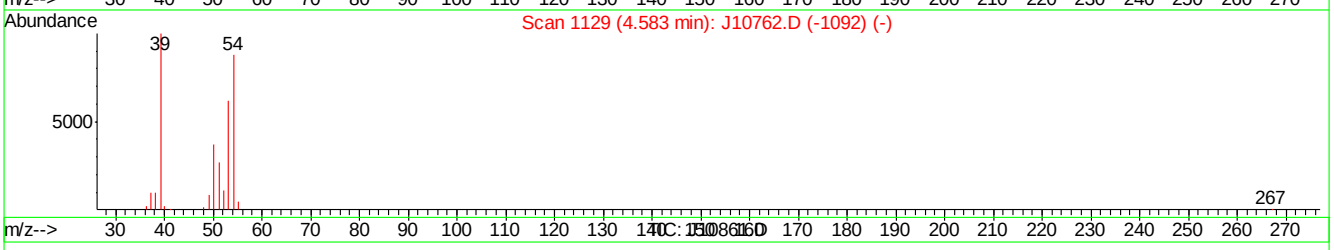
Data File : C:\MSDChem\1\data\J10861.D Vial: 1
Acq On : 5 Jul 2007 11:40 am Operator: danat
Sample : ic562-0.2 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

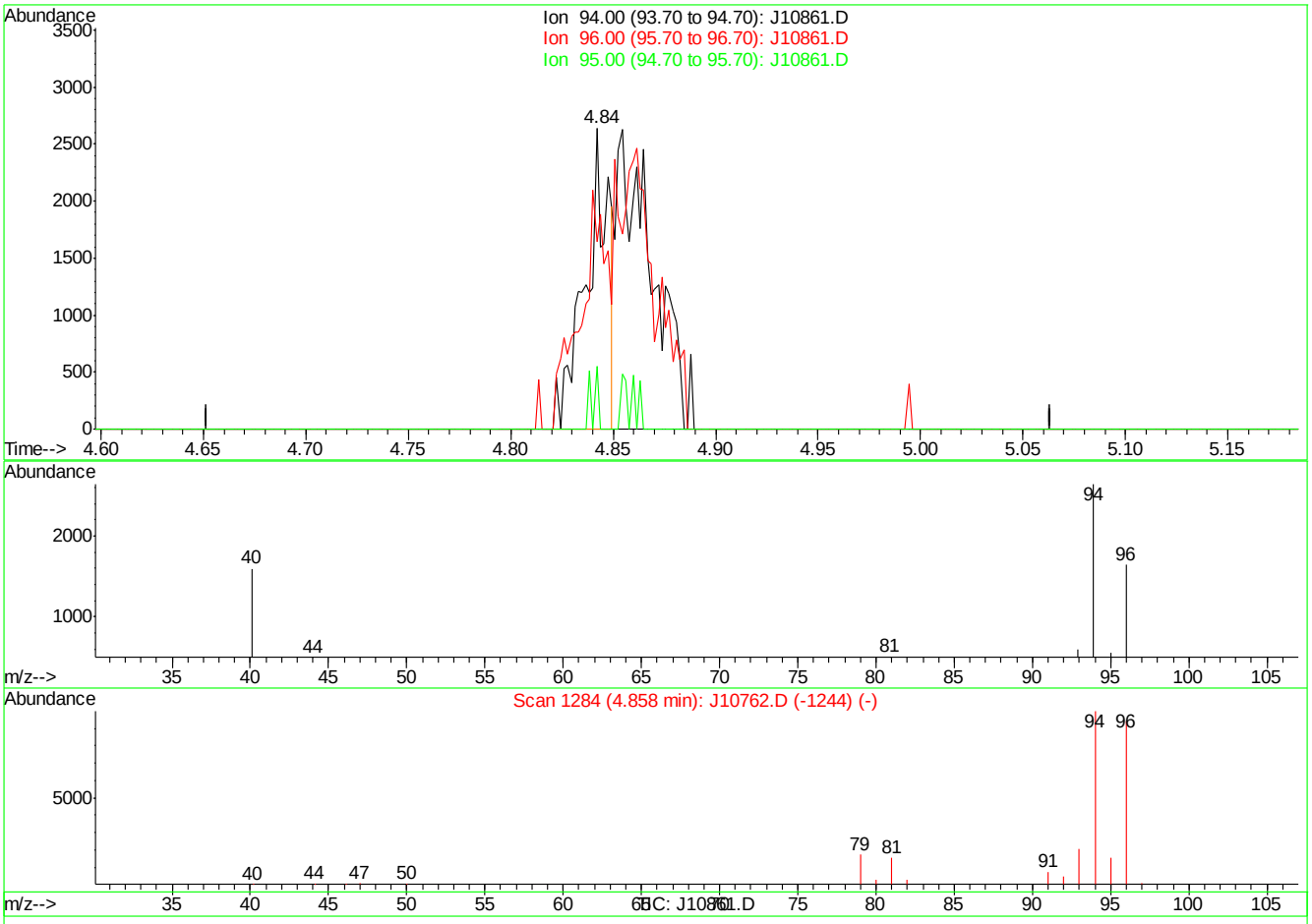
J10861.D J070507T.M Thu Jul 05 12:06:58 2007

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

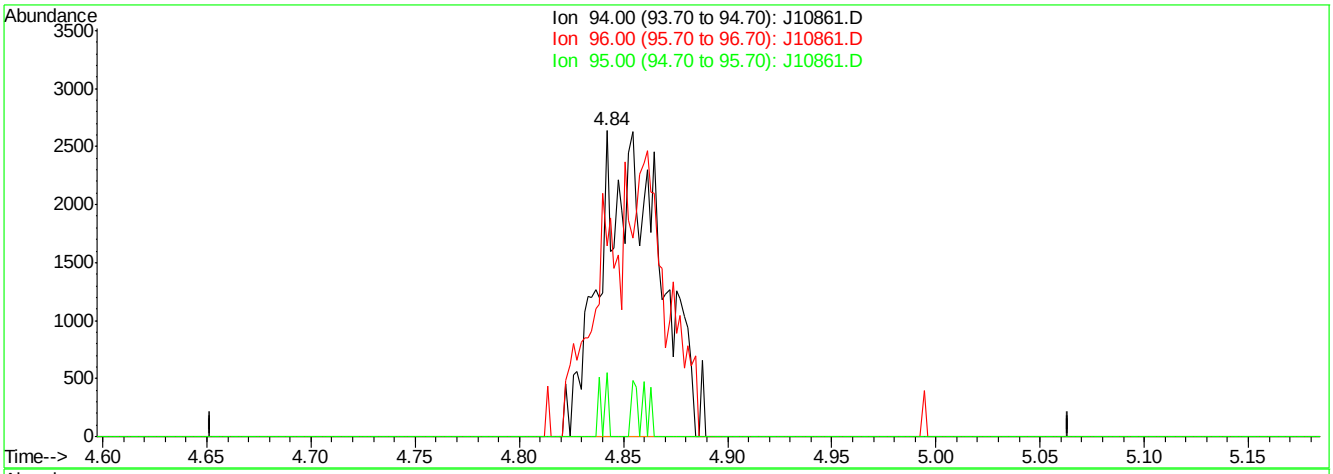
J10861.D J070507T.M Thu Jul 05 12:07:03 2007

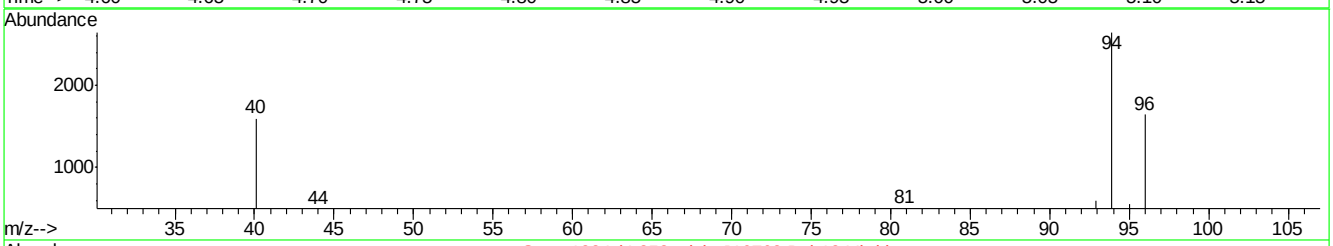
Quantitation Report (Qedit)

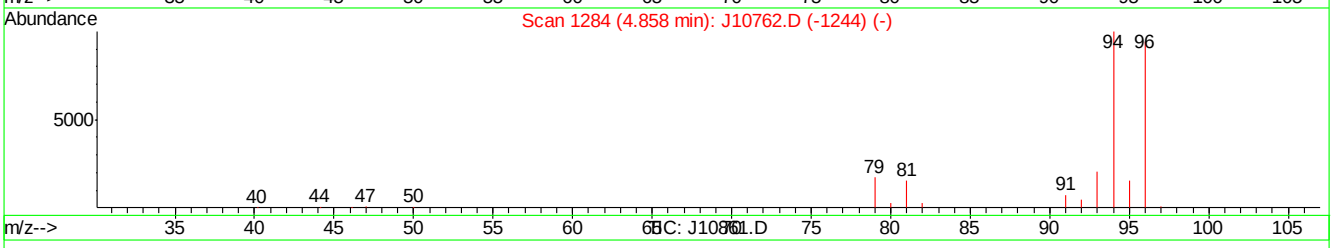
Data File : C:\MSDChem\1\data\J10861.D Vial: 1
Acq On : 5 Jul 2007 11:40 am Operator: danat
Sample : ic562-0.2 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

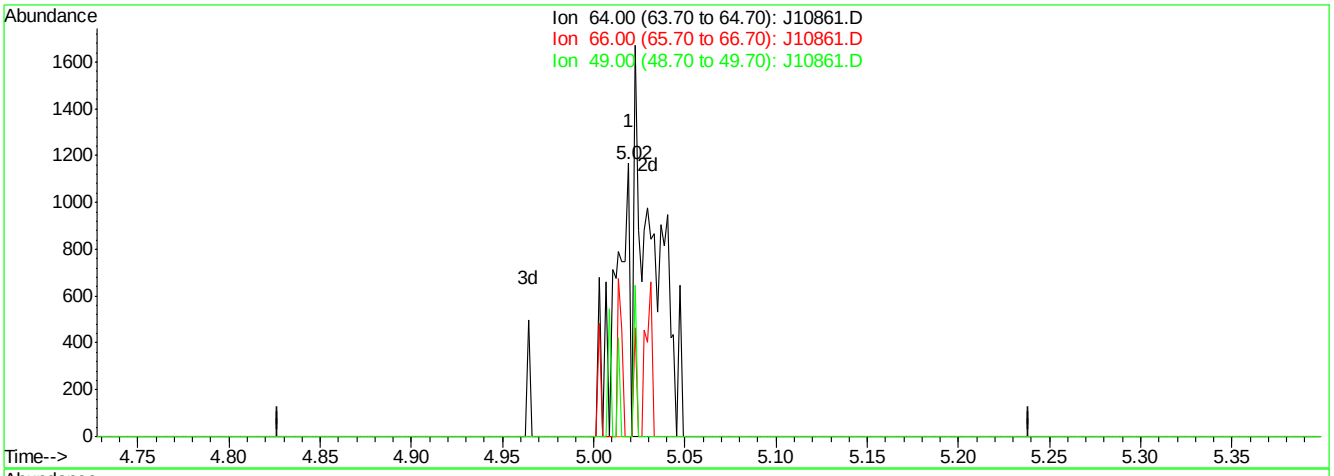
J10861.D J070507T.M Thu Jul 05 12:07:08 2007

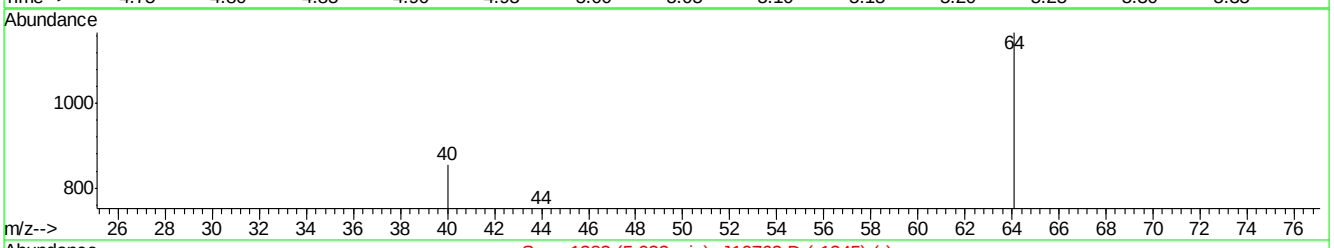
Quantitation Report (Qedit)

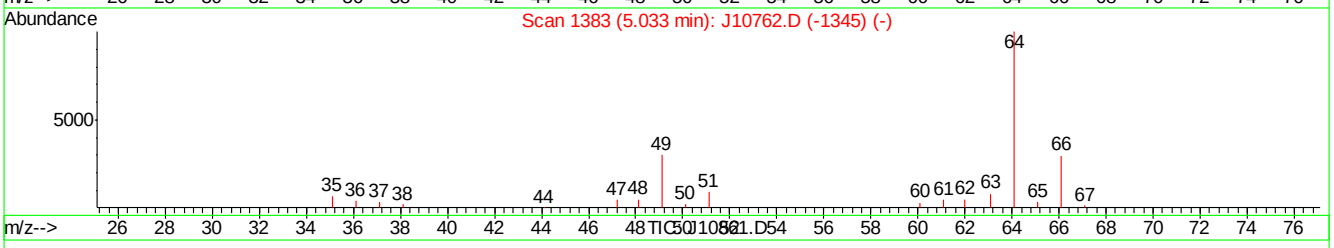
Data File : C:\MSDChem\1\data\J10861.D Vial: 1
Acq On : 5 Jul 2007 11:40 am Operator: danat
Sample : ic562-0.2 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

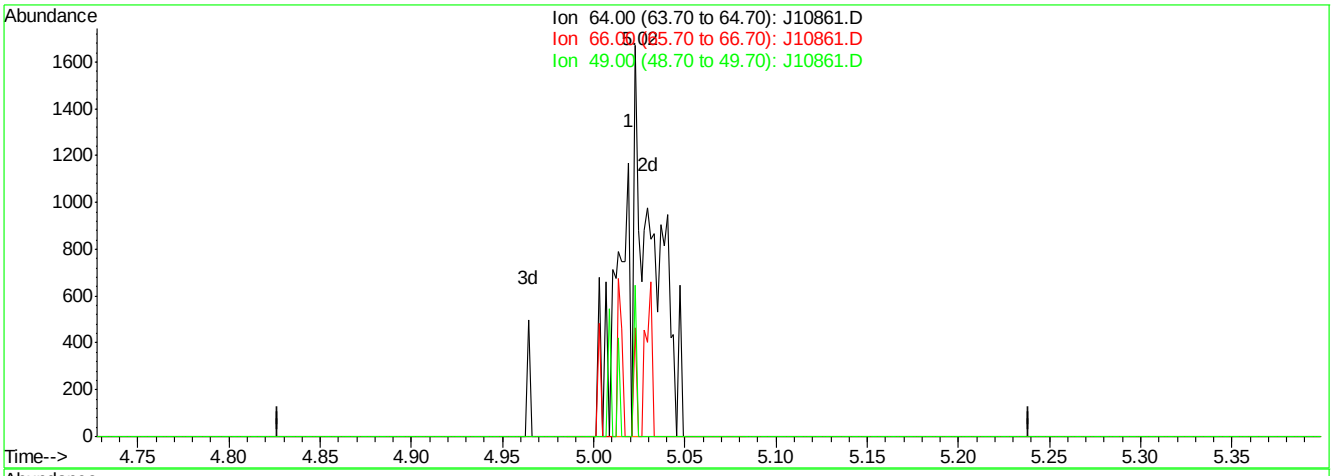
J10861.D J070507T.M Thu Jul 05 12:07:13 2007

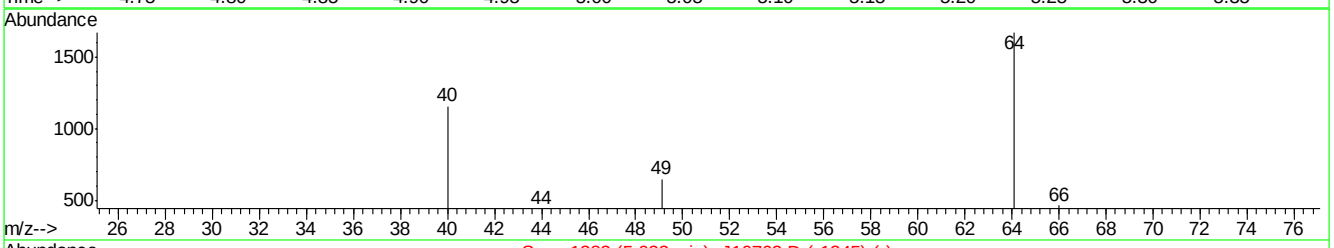
Quantitation Report (Qedit)

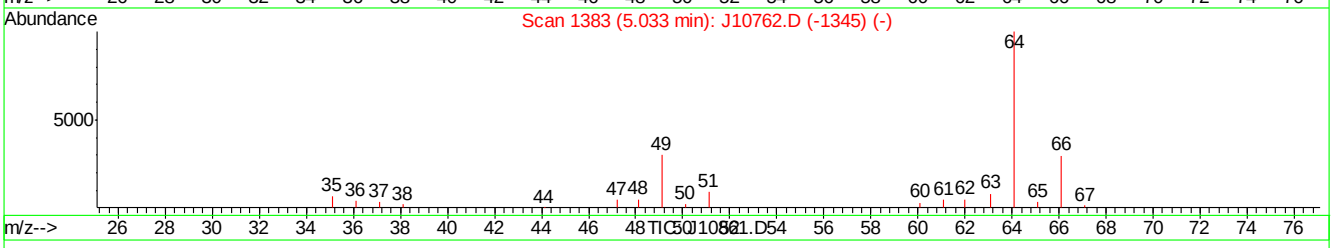
Data File : C:\MSDChem\1\data\J10861.D Vial: 1
Acq On : 5 Jul 2007 11:40 am Operator: danat
Sample : ic562-0.2 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

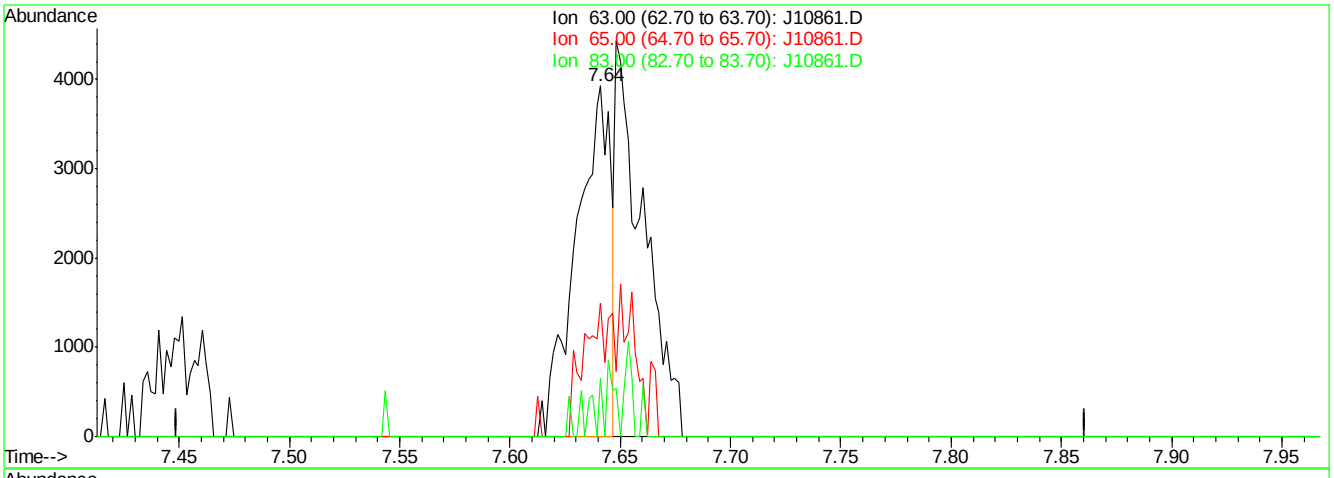
J10861.D J070507T.M Thu Jul 05 12:07:16 2007

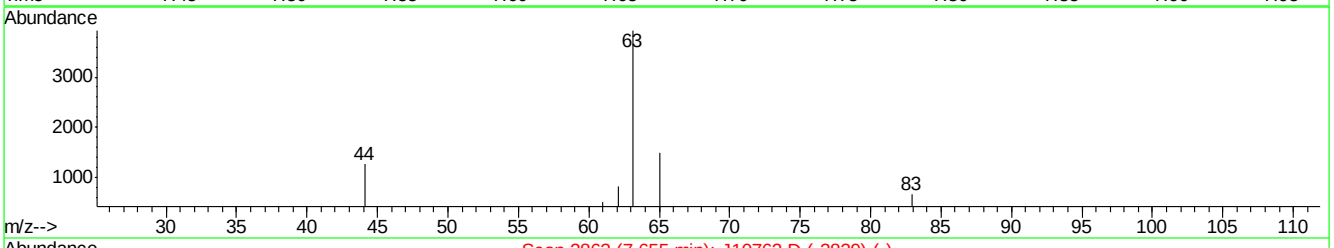
Quantitation Report (Qedit)

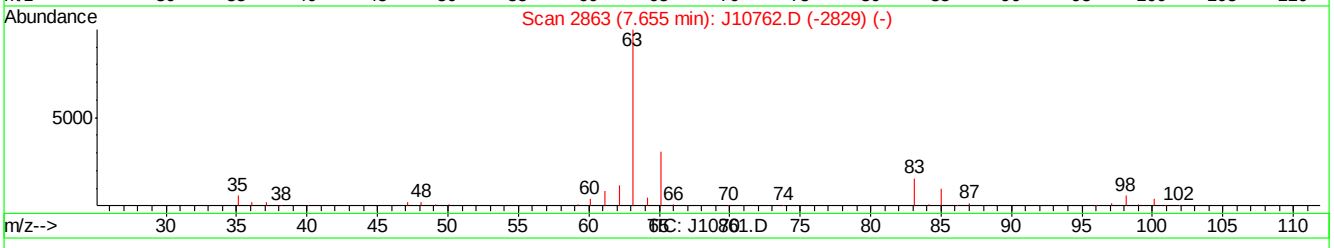
Data File : C:\MSDChem\1\data\J10861.D Vial: 1
Acq On : 5 Jul 2007 11:40 am Operator: danat
Sample : ic562-0.2 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

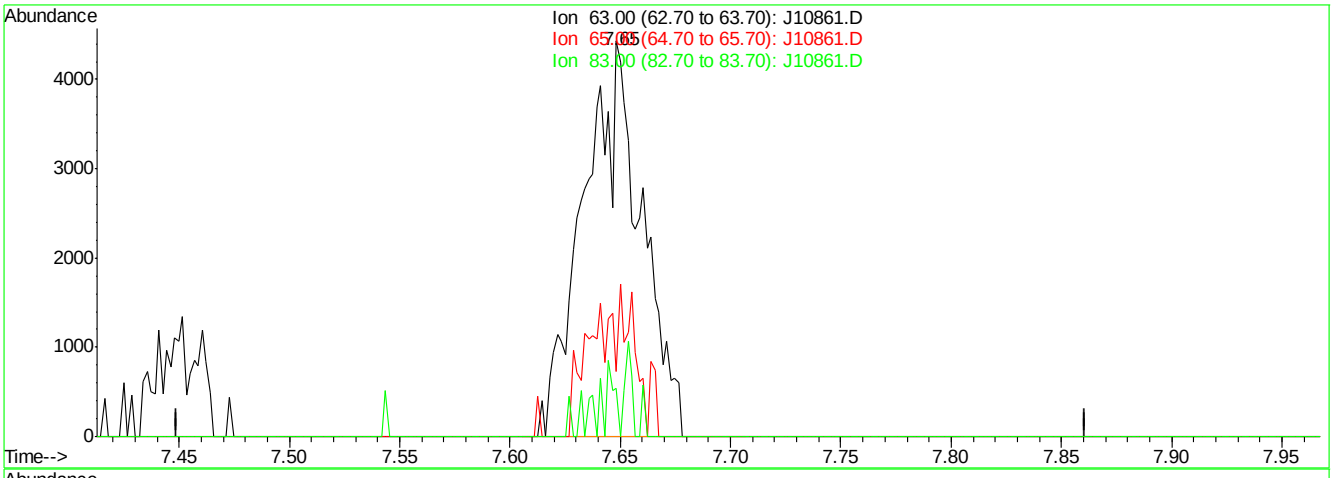
J10861.D J070507T.M Thu Jul 05 12:08:09 2007

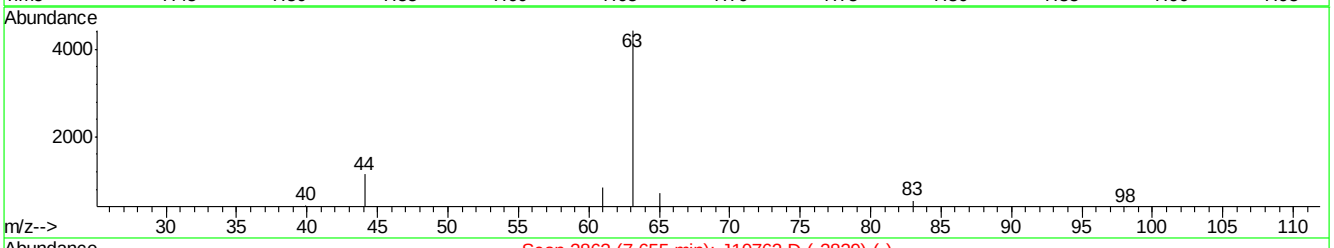
Quantitation Report (Qedit)

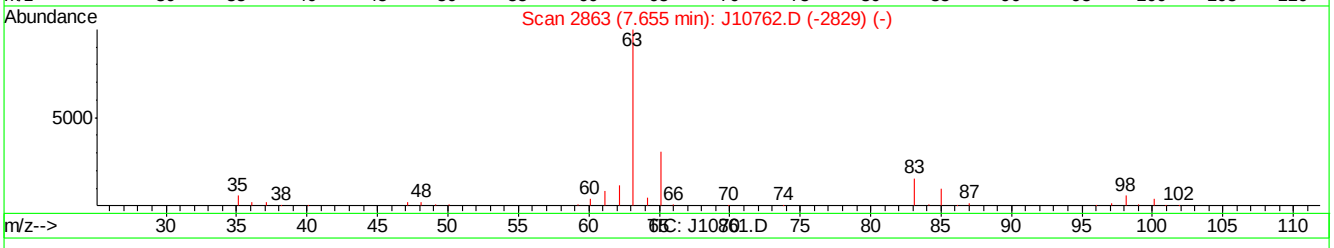
Data File : C:\MSDChem\1\data\J10861.D Vial: 1
Acq On : 5 Jul 2007 11:40 am Operator: danat
Sample : ic562-0.2 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

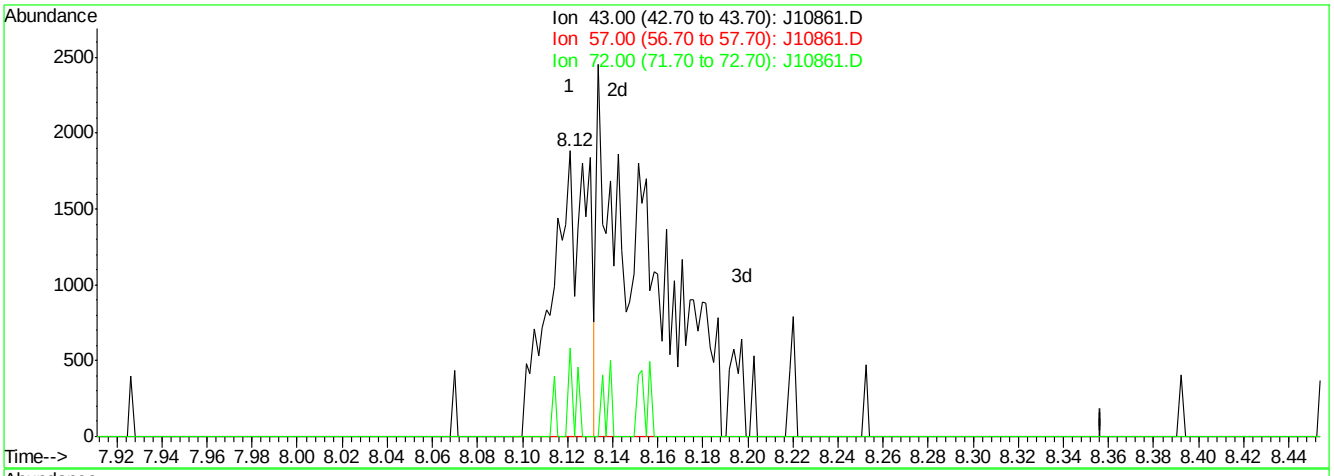
J10861.D J070507T.M Thu Jul 05 12:08:13 2007

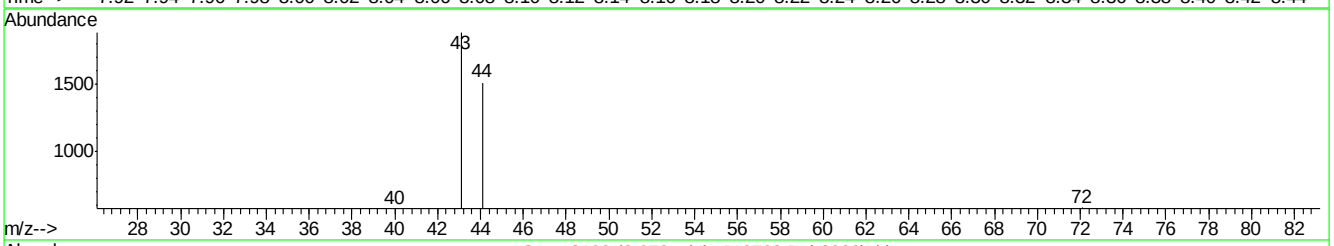
Quantitation Report (Qedit)

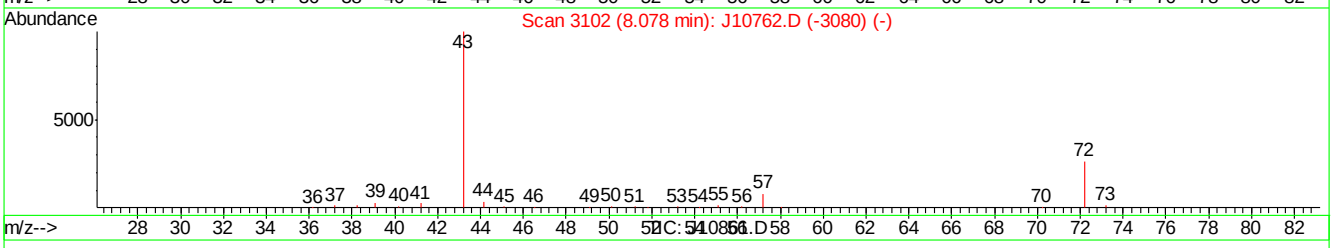
Data File : C:\MSDChem\1\data\J10861.D Vial: 1
Acq On : 5 Jul 2007 11:40 am Operator: danat
Sample : ic562-0.2 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

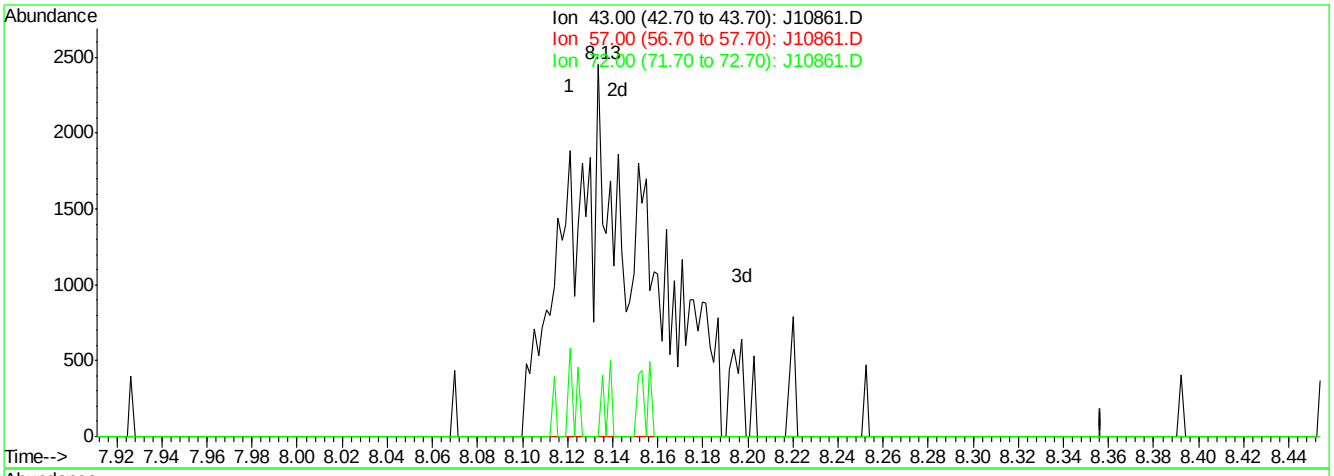
J10861.D J070507T.M Thu Jul 05 12:08:19 2007

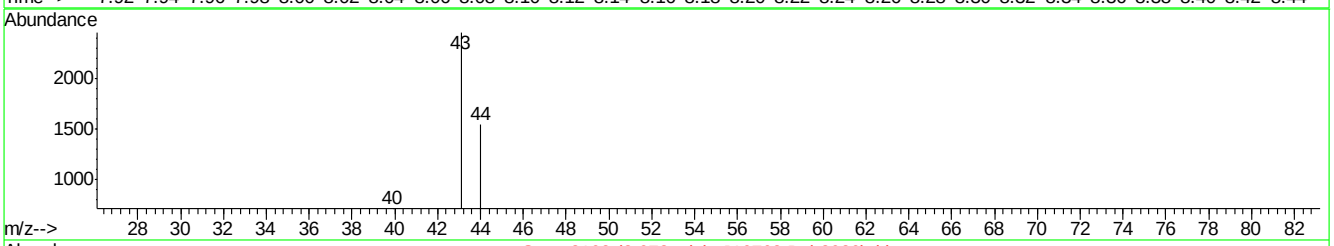
Quantitation Report (Qedit)

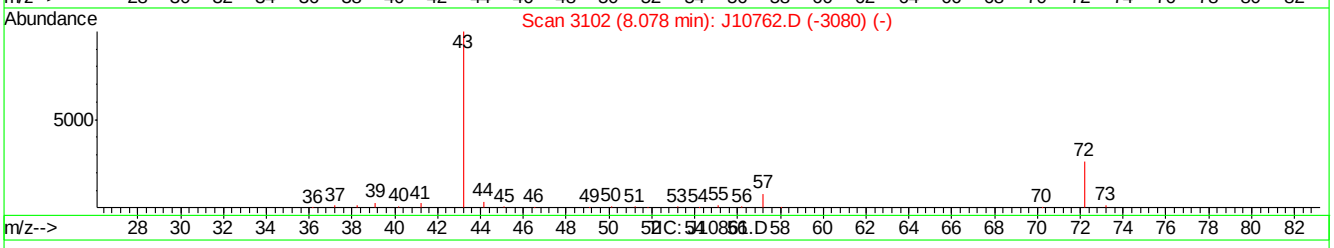
Data File : C:\MSDChem\1\data\J10861.D Vial: 1
Acq On : 5 Jul 2007 11:40 am Operator: danat
Sample : ic562-0.2 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

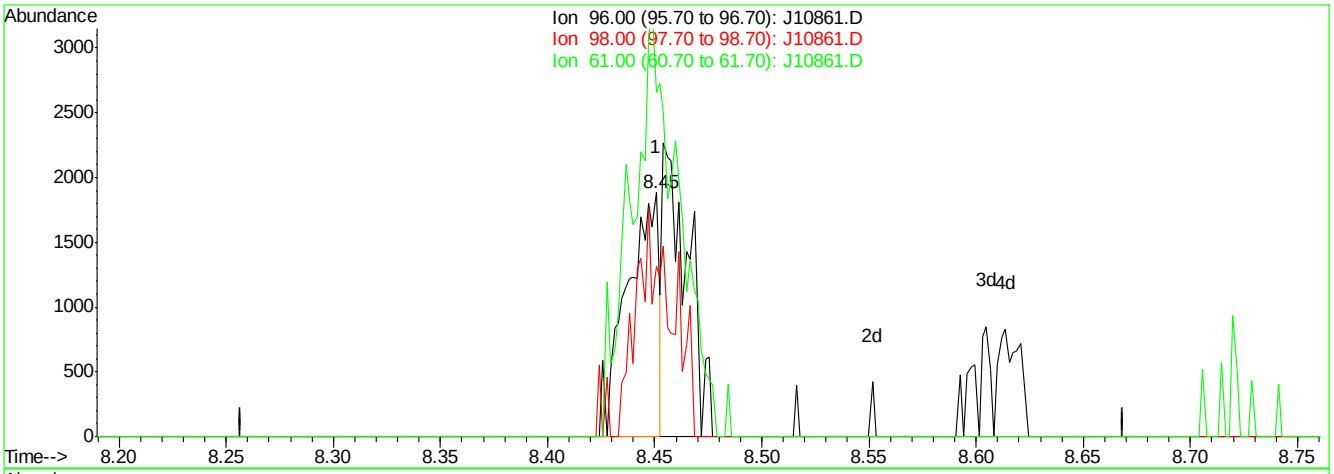
J10861.D J070507T.M Thu Jul 05 12:08:24 2007

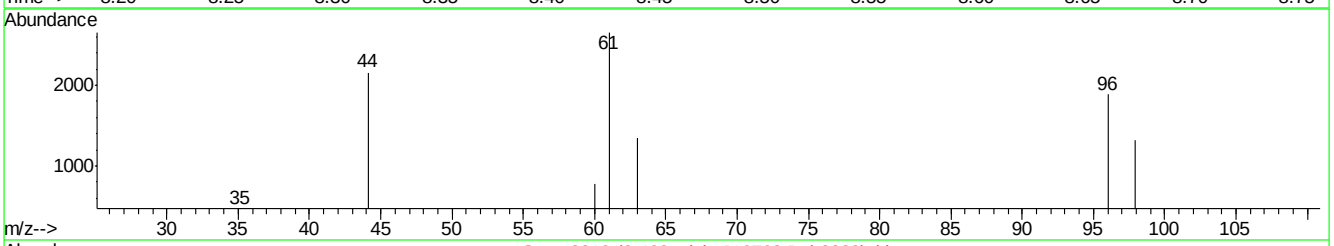
Quantitation Report (Qedit)

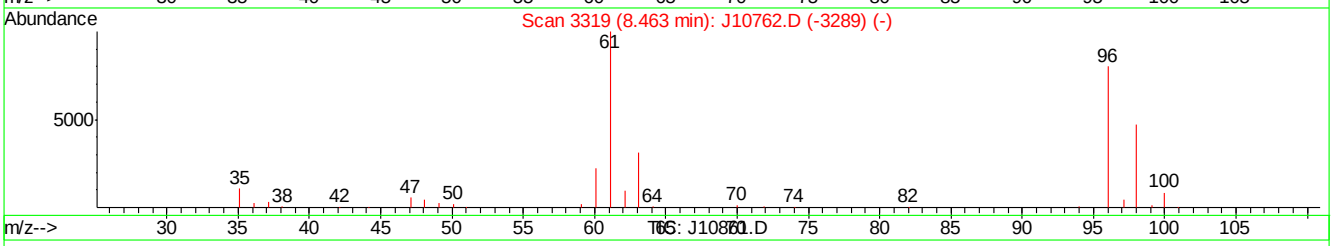
Data File : C:\MSDChem\1\data\J10861.D Vial: 1
Acq On : 5 Jul 2007 11:40 am Operator: danat
Sample : ic562-0.2 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

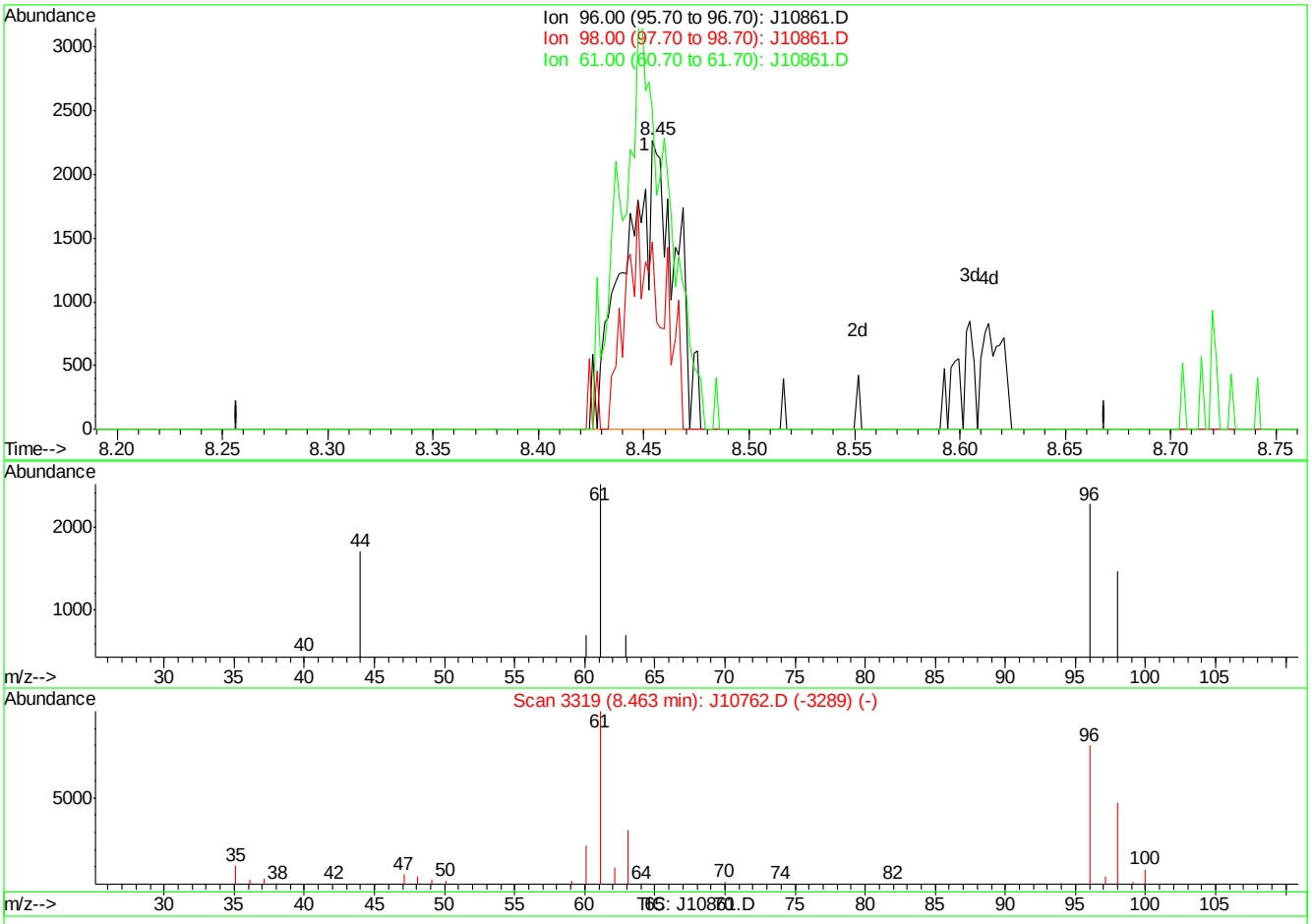
J10861.D J070507T.M Thu Jul 05 12:08:30 2007

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

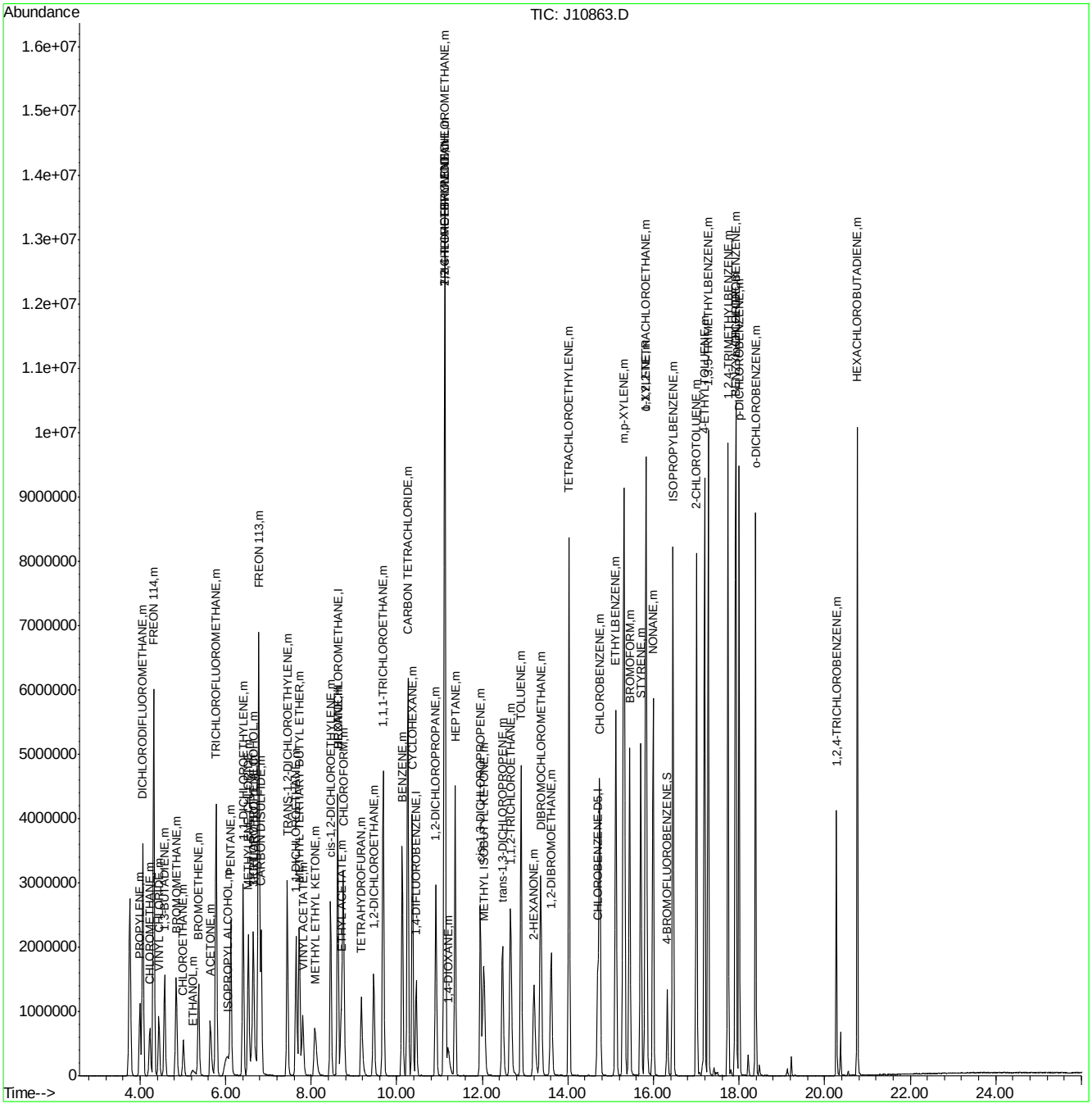
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.03	43	2305916	56.42	PPBV	99
45) cis-1,3-DICHLOROPROPENE	11.95	75	1815083	59.05	PPBV	96
46) TOLUENE	12.90	92	2637403	58.93	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.47	75	1814273	63.58	PPBV	97
48) 1,1,2-TRICHLOROETHANE	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



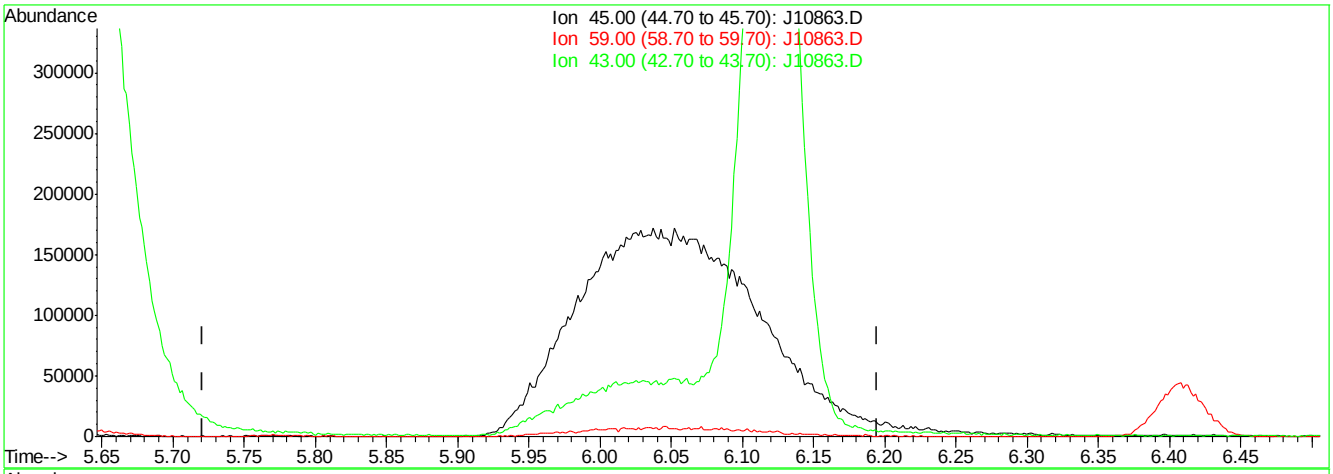
ACCUTEST Laboratories M67337

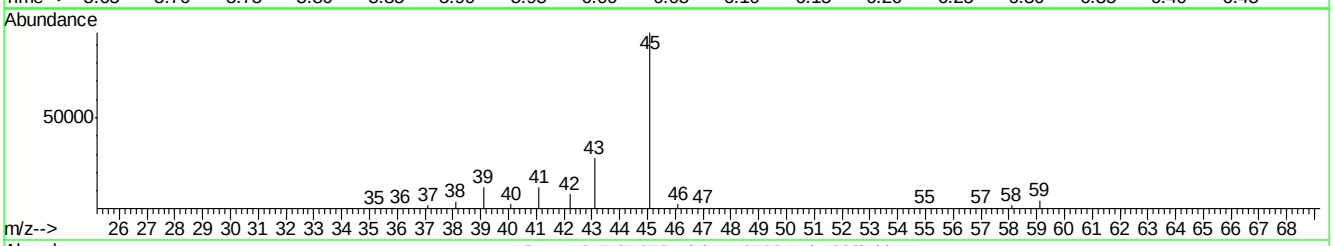
Quantitation Report (Qedit)

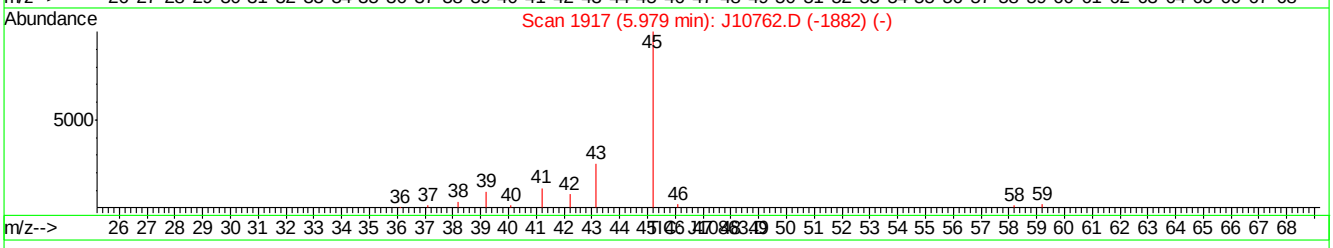
Data File : C:\MSDChem\1\data\J10863.D Vial: 1
Acq On : 5 Jul 2007 1:26 pm Operator: danat
Sample : ic562-40 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

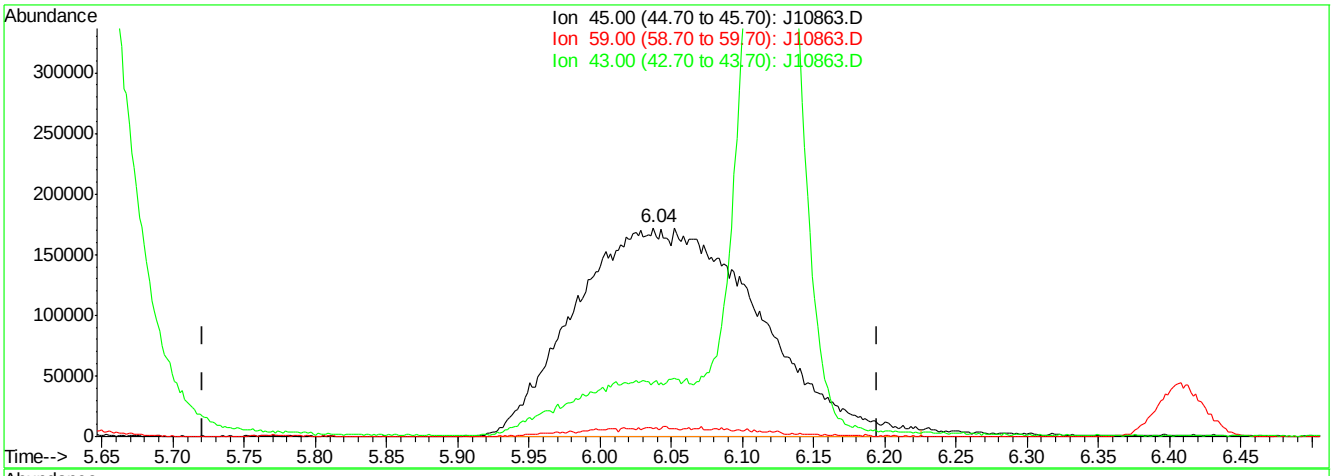
J10863.D J070507T.M Thu Jul 05 13:57:14 2007

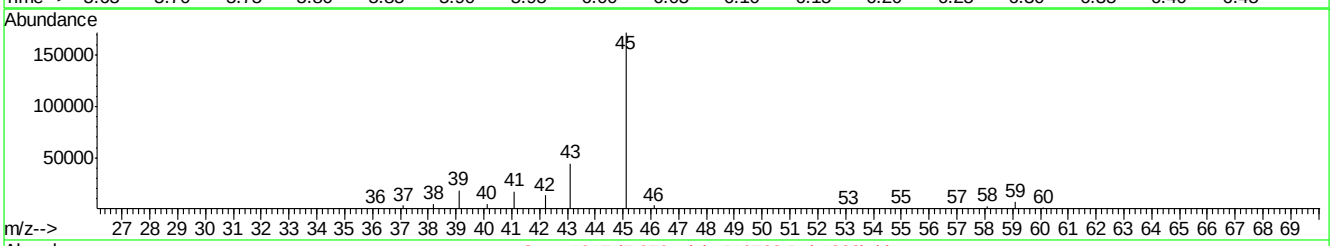
Quantitation Report (Qedit)

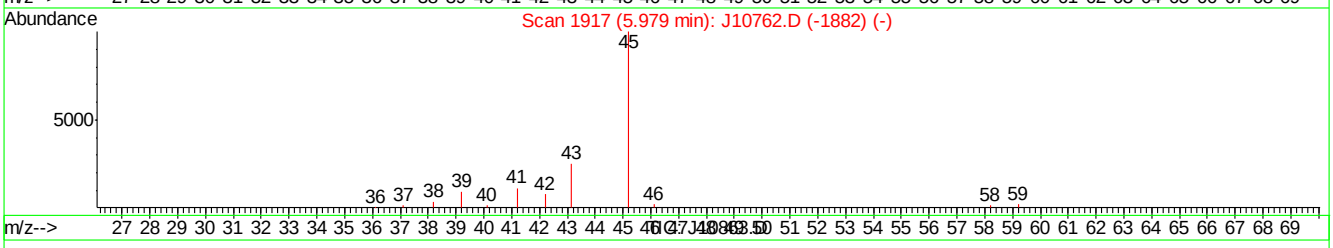
Data File : C:\MSDChem\1\data\J10863.D Vial: 1
Acq On : 5 Jul 2007 1:26 pm Operator: danat
Sample : ic562-40 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

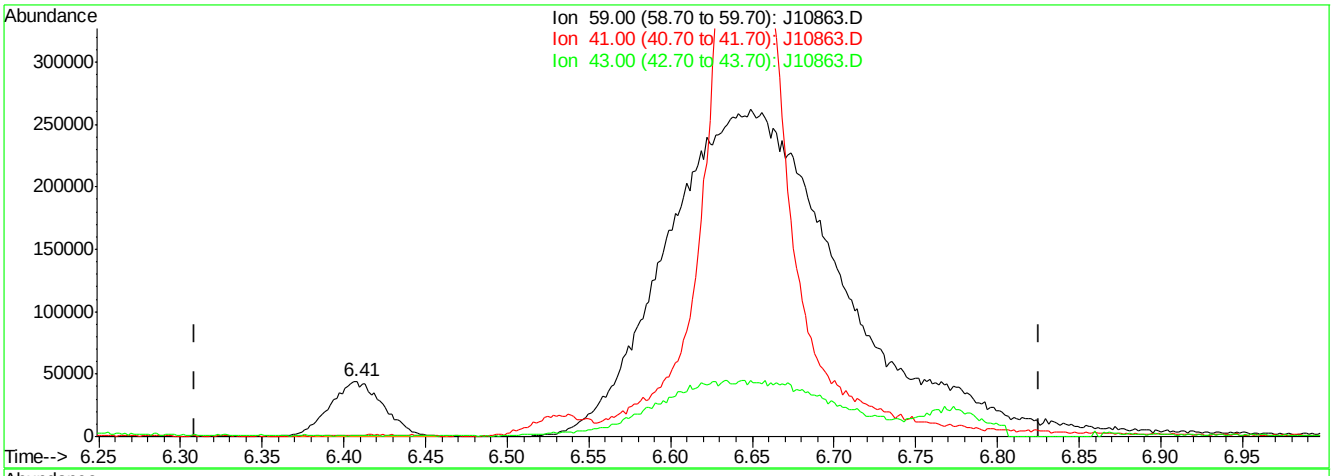
J10863.D J070507T.M Thu Jul 05 13:57:20 2007

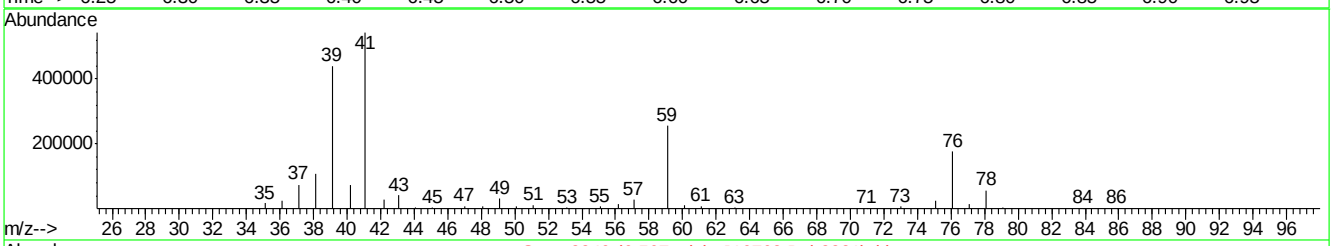
Quantitation Report (Qedit)

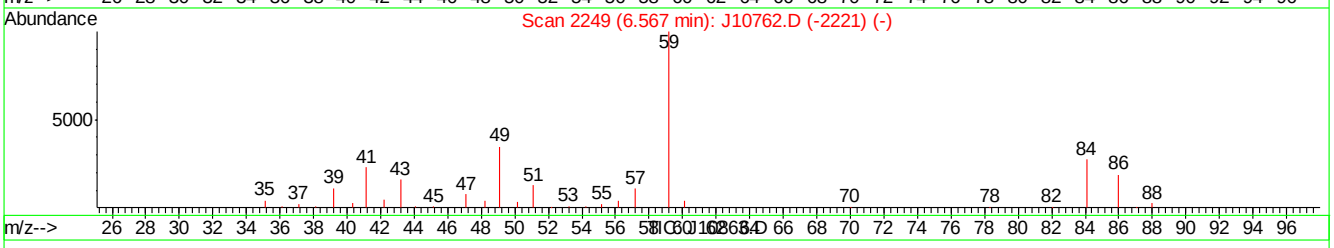
Data File : C:\MSDChem\1\data\J10863.D Vial: 1
Acq On : 5 Jul 2007 1:26 pm Operator: danat
Sample : ic562-40 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

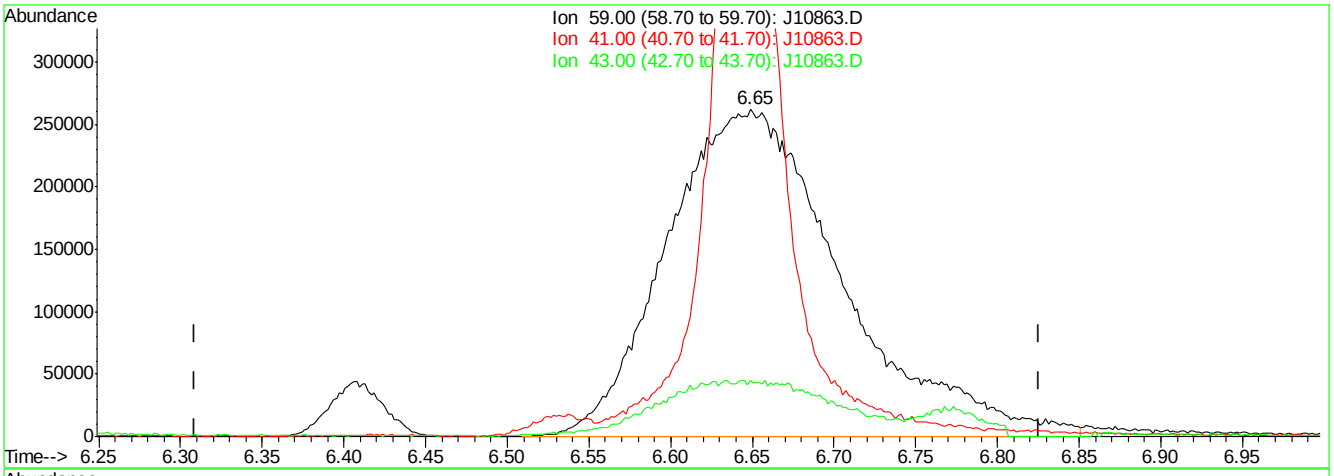
J10863.D J070507T.M Thu Jul 05 13:57:43 2007

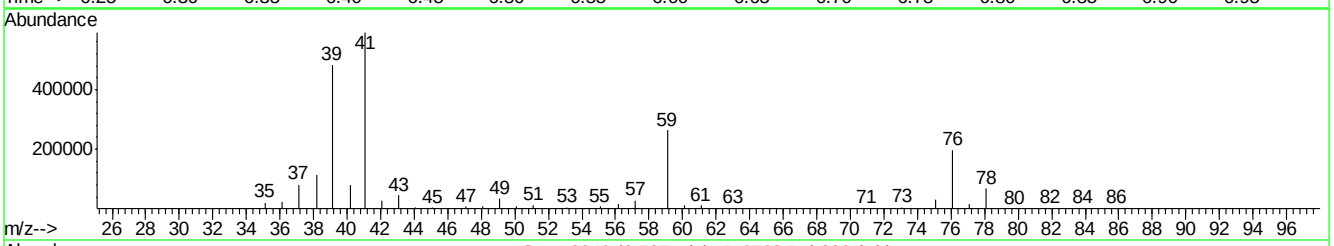
Quantitation Report (Qedit)

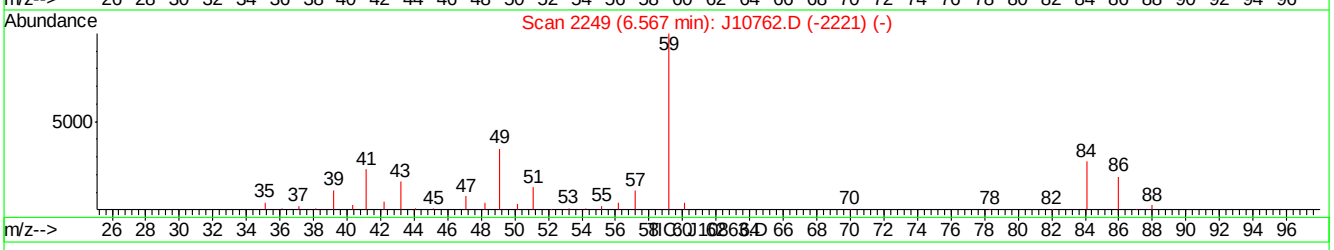
Data File : C:\MSDChem\1\data\J10863.D Vial: 1
Acq On : 5 Jul 2007 1:26 pm Operator: danat
Sample : ic562-40 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

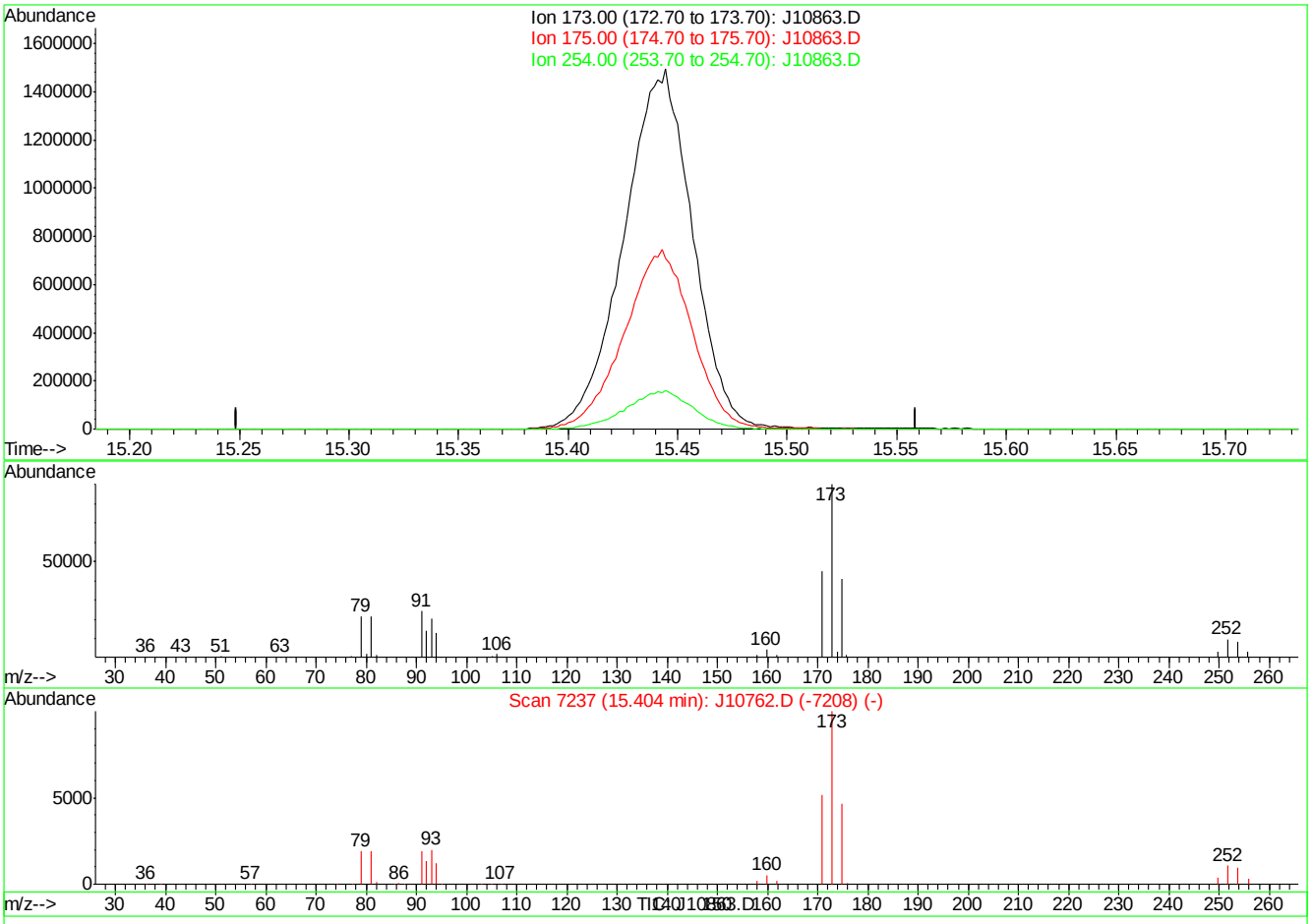
J10863.D J070507T.M Thu Jul 05 13:57:49 2007

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

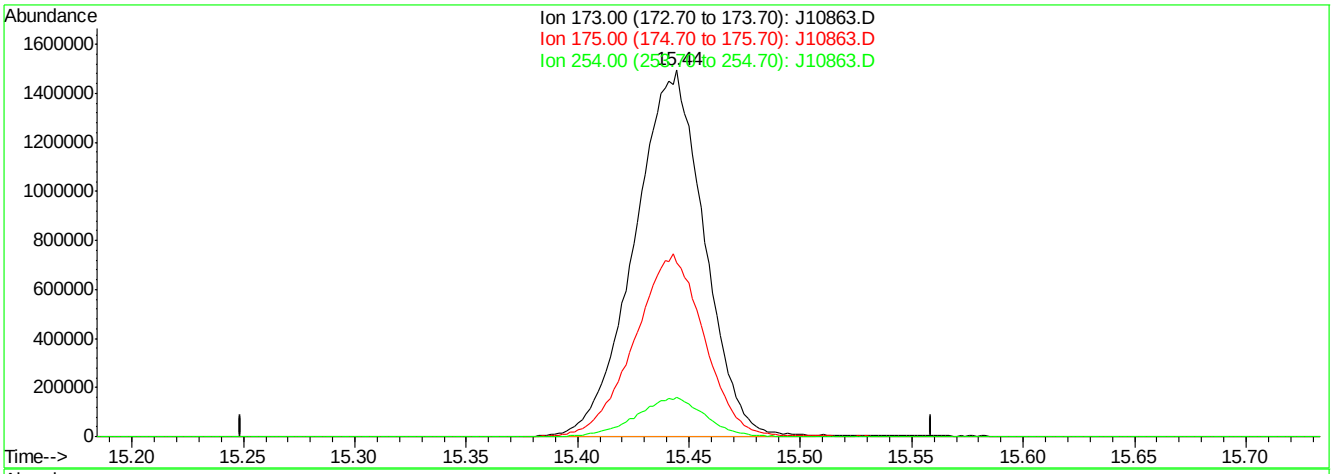
J10863.D J070507T.M Thu Jul 05 13:58:23 2007

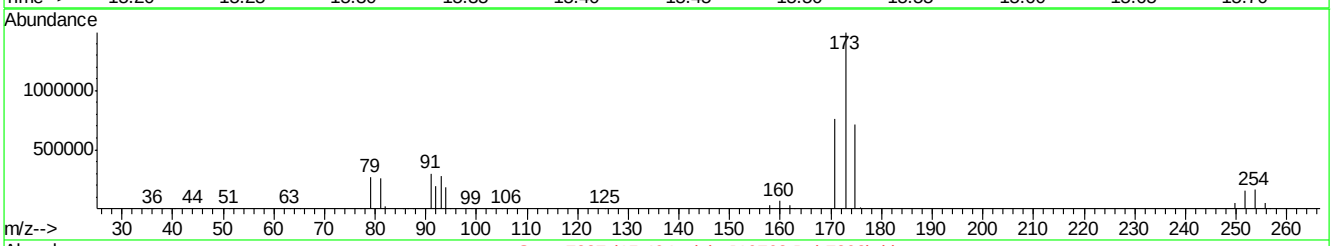
Quantitation Report (Qedit)

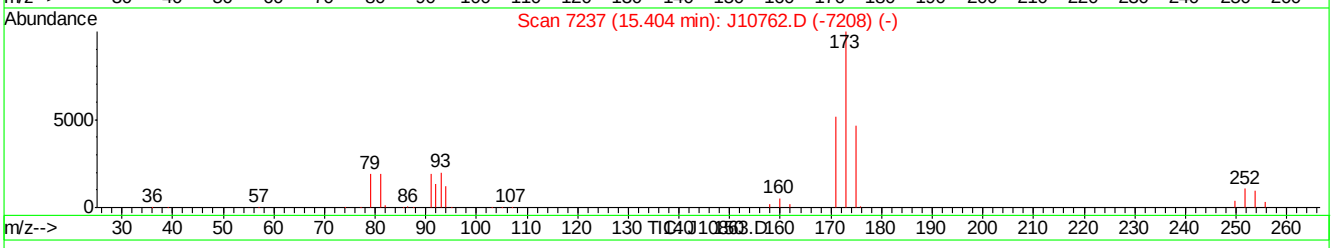
Data File : C:\MSDChem\1\data\J10863.D Vial: 1
Acq On : 5 Jul 2007 1:26 pm Operator: danat
Sample : ic562-40 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

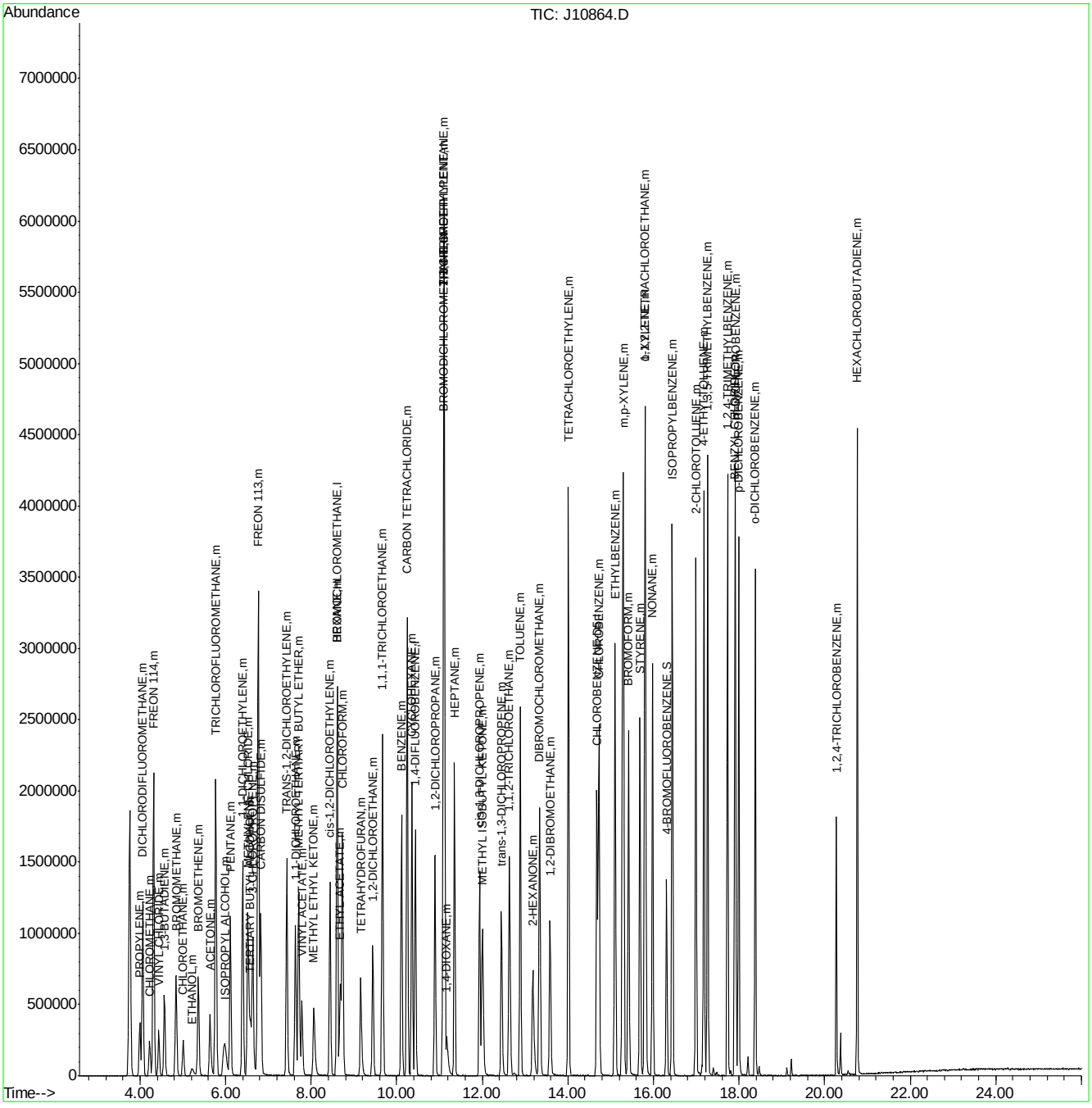
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.00	43	1043161	24.23	PPBV	99
45) cis-1,3-DICHLOROPROPENE	11.93	75	842953	26.03	PPBV	98
46) TOLUENE	12.89	92	1184576	25.13	PPBV	100
47) trans-1,3-DICHLOROPROPENE	12.45	75	814312m	27.09	PPBV	
48) 1,1,2-TRICHLOROETHANE	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



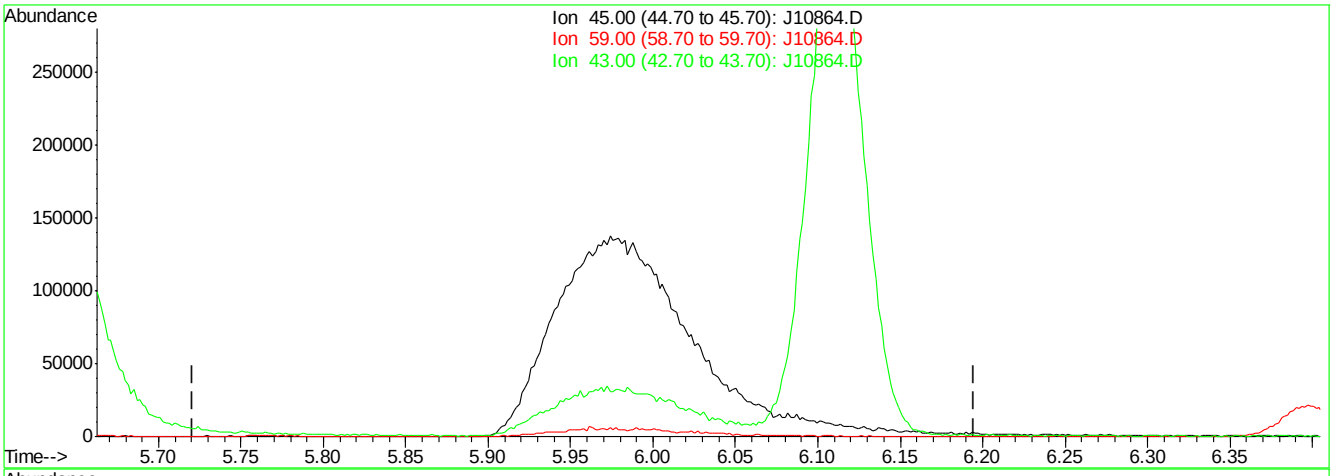
ACCUTEST Laboratories M67337

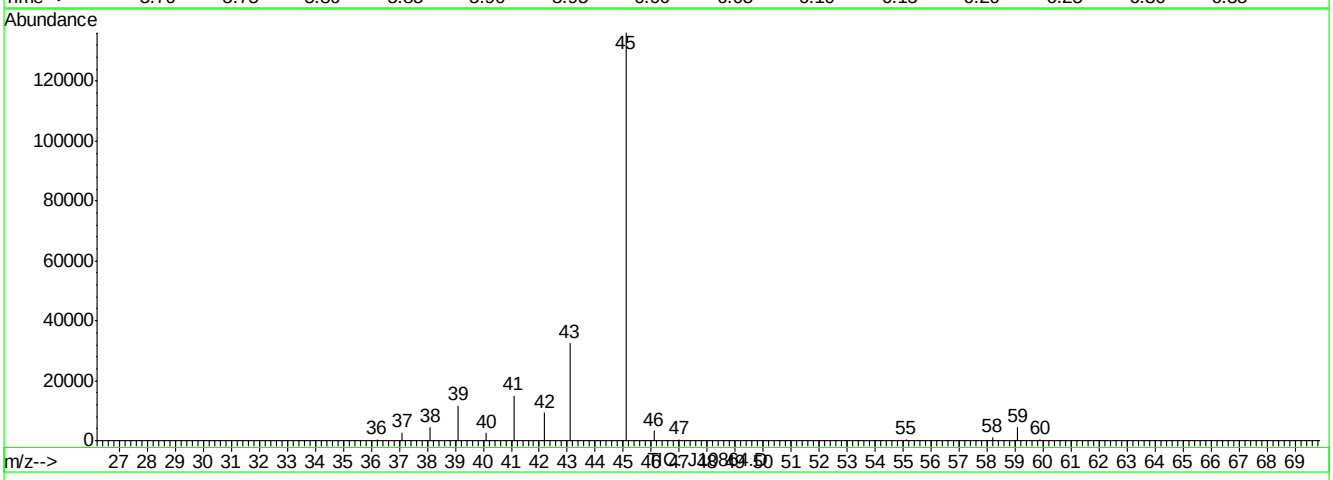
Quantitation Report (Qedit)

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

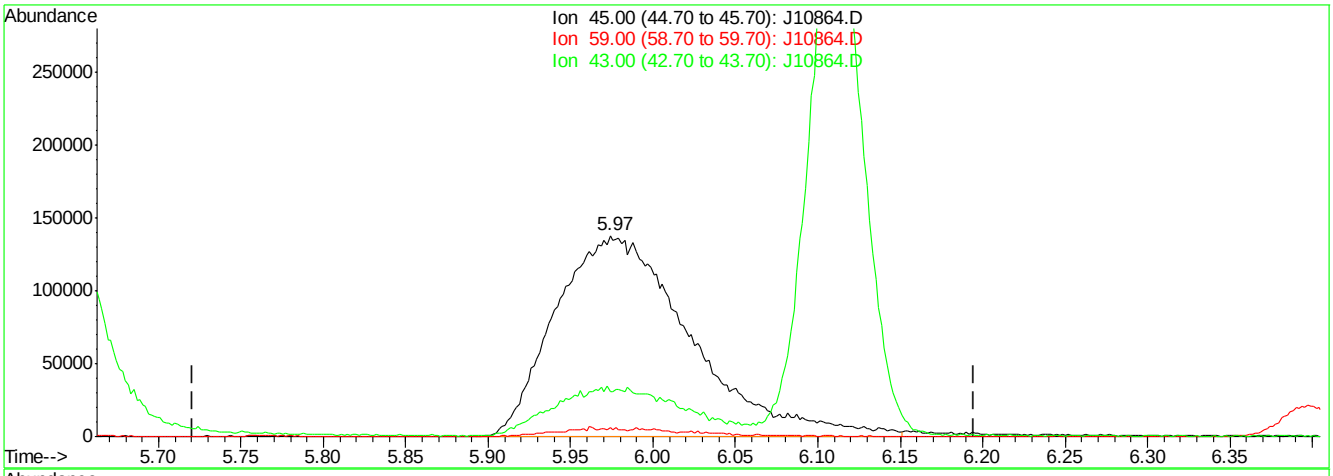
J10864.D J070507T.M Thu Jul 05 15:01:08 2007

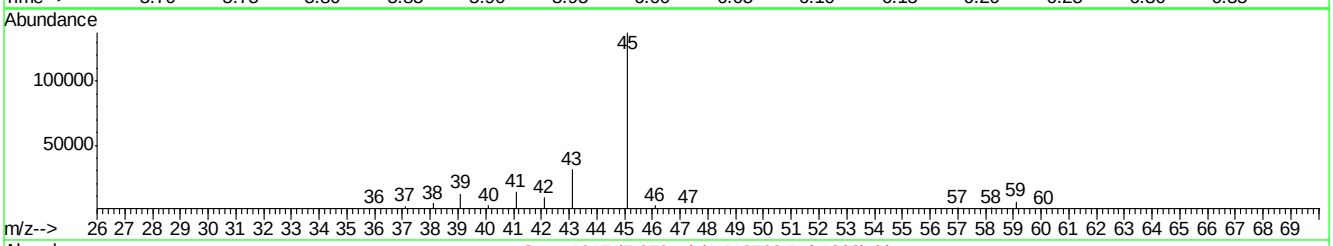
Quantitation Report (Qedit)

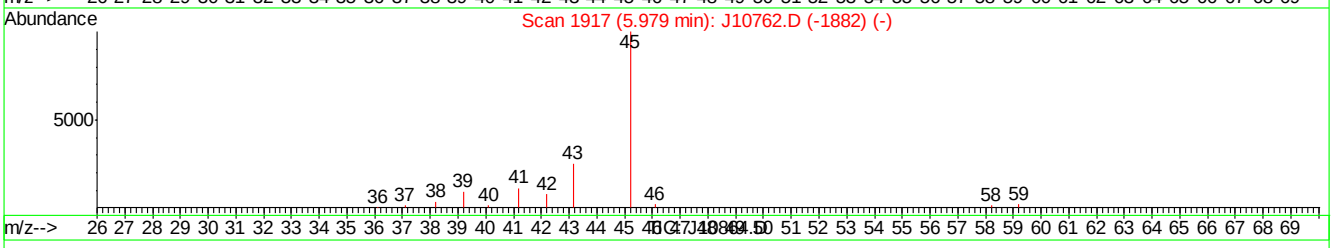
Data File : C:\MSDChem\1\data\J10864.D Vial: 1
Acq On : 5 Jul 2007 2:22 pm Operator: danat
Sample : ic562-20 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

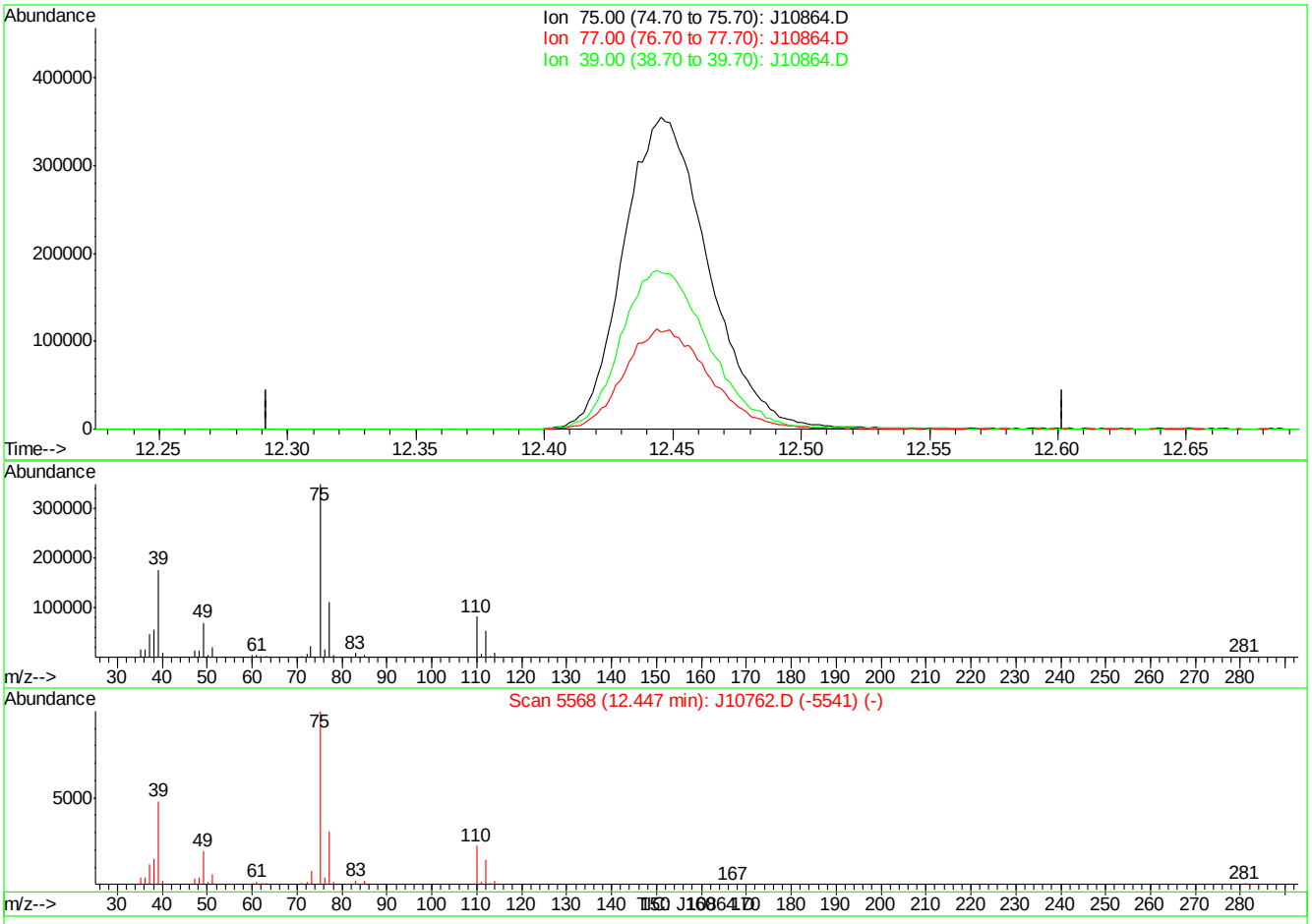
J10864.D J070507T.M Thu Jul 05 15:01:16 2007

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

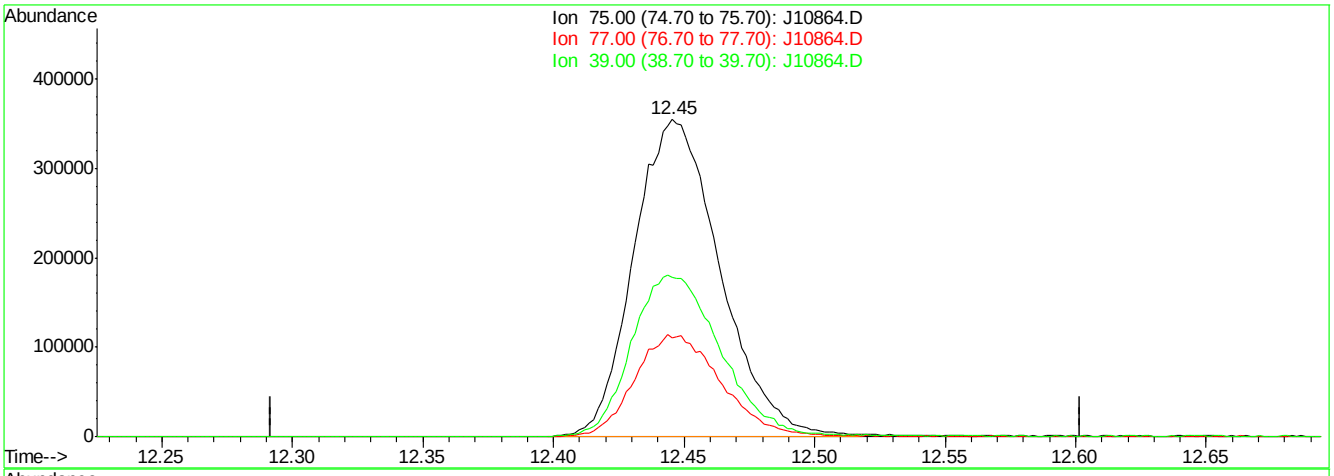
J10864.D J070507T.M Thu Jul 05 15:01:49 2007

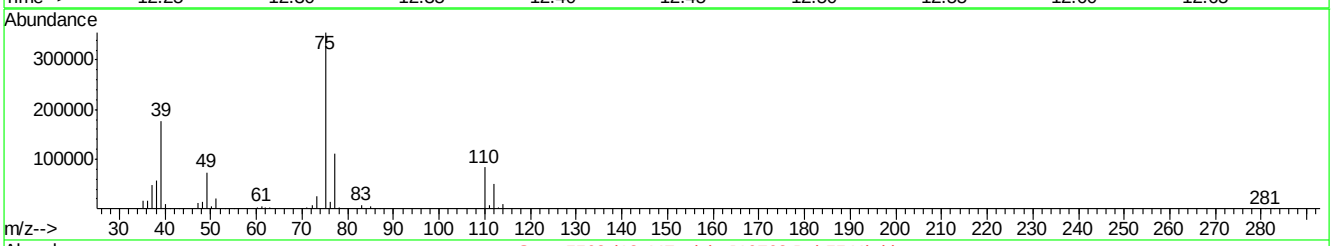
Quantitation Report (Qedit)

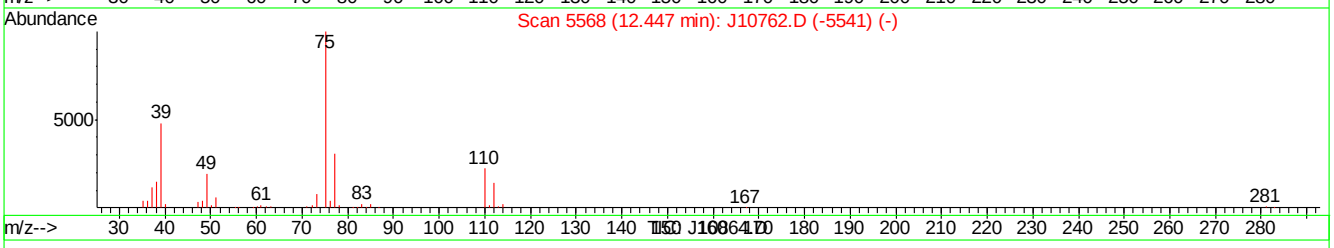
Data File : C:\MSDChem\1\data\J10864.D Vial: 1
Acq On : 5 Jul 2007 2:22 pm Operator: danat
Sample : ic562-20 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

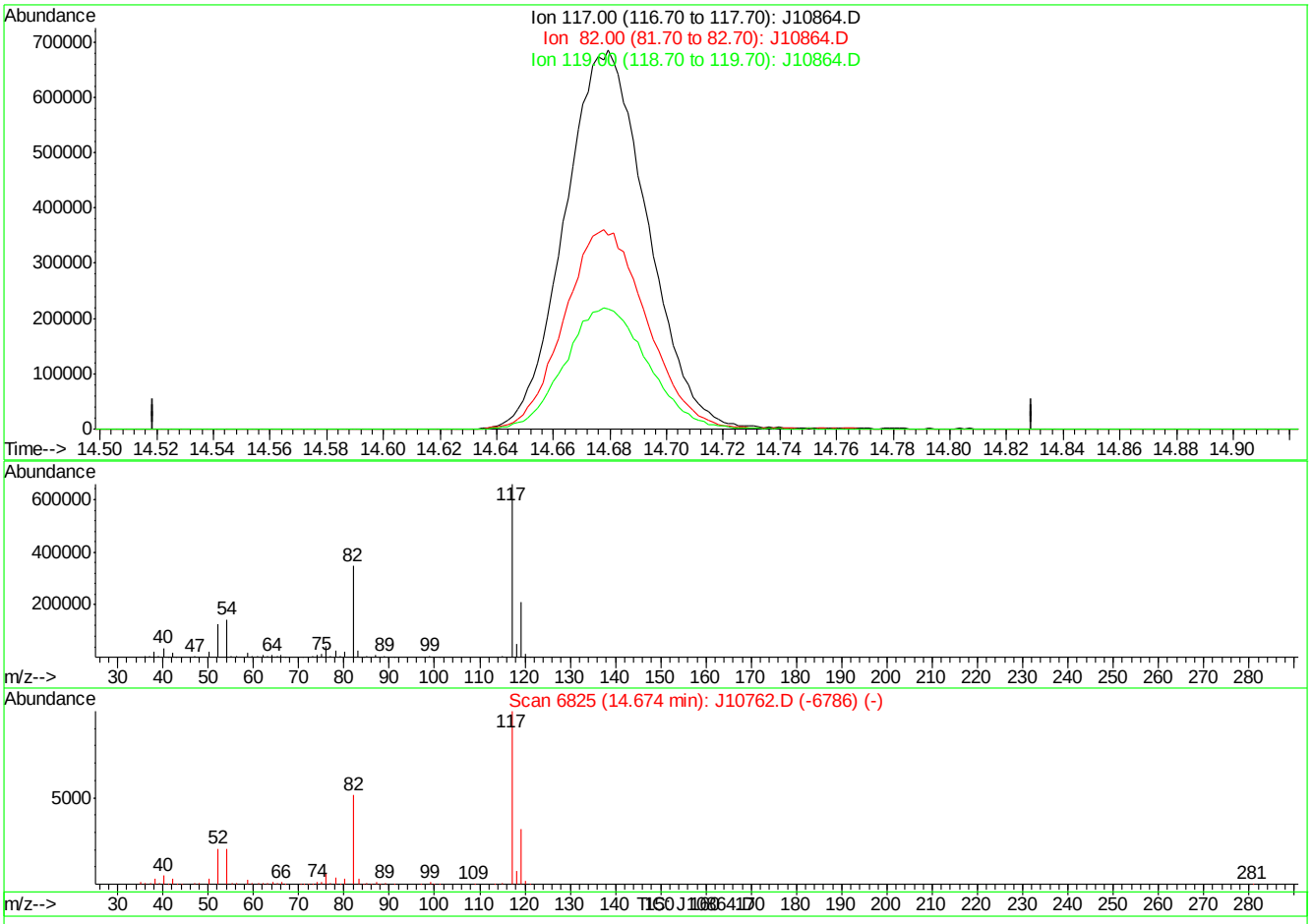
J10864.D J070507T.M Thu Jul 05 15:01:55 2007

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

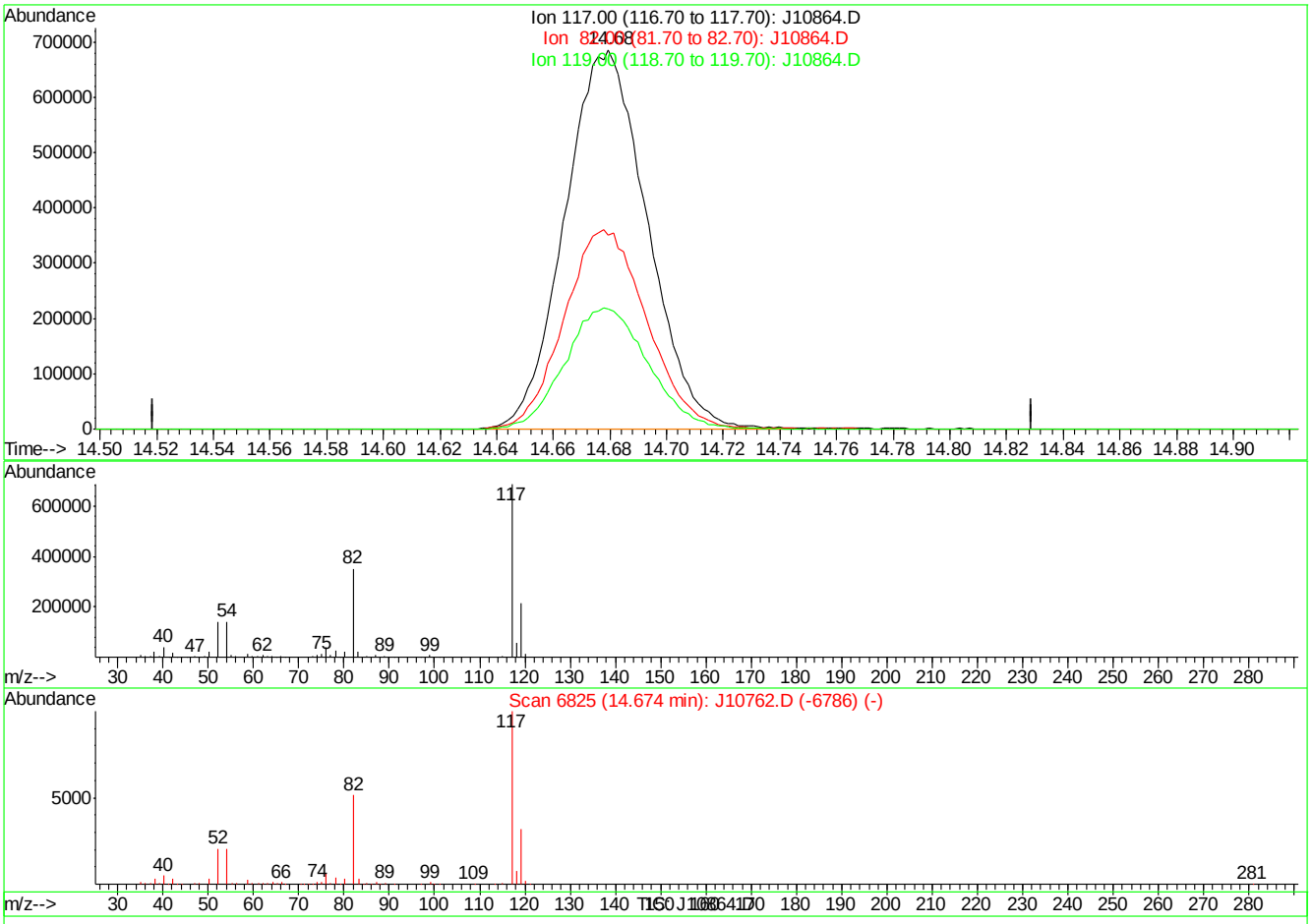
J10864.D J070507T.M Thu Jul 05 15:02:00 2007

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

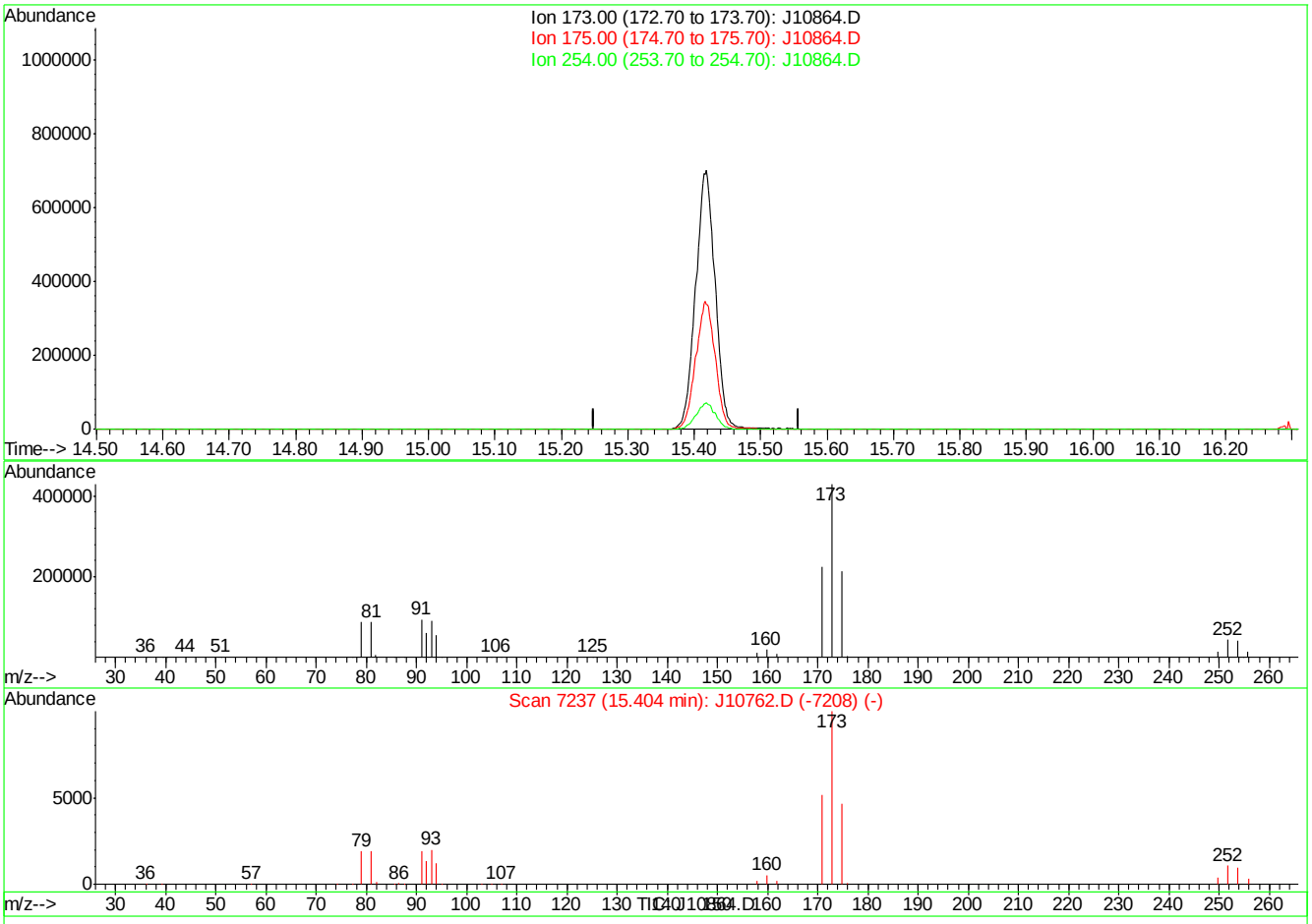
J10864.D J070507T.M Thu Jul 05 15:02:05 2007

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

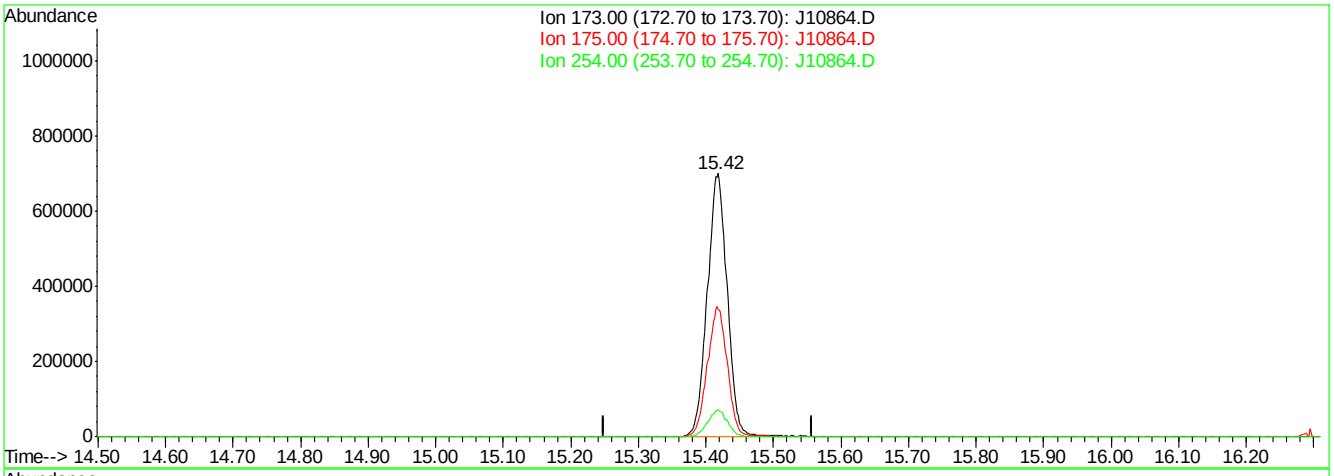
J10864.D J070507T.M Thu Jul 05 15:02:16 2007

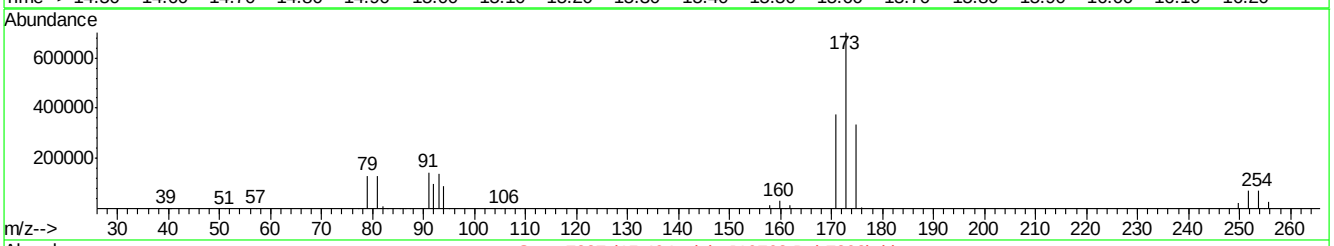
Quantitation Report (Qedit)

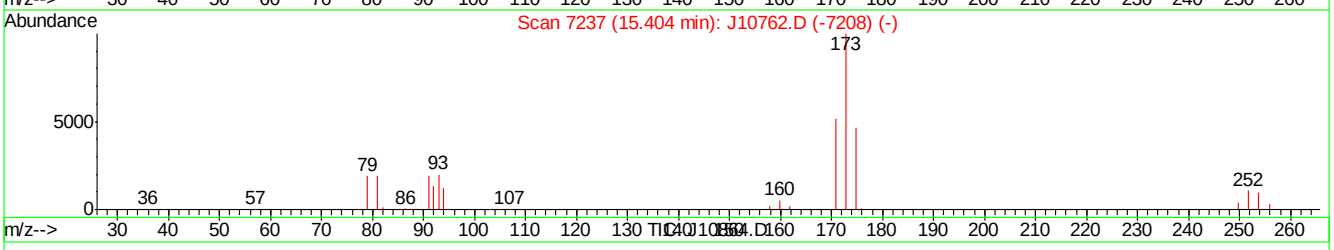
Data File : C:\MSDChem\1\data\J10864.D Vial: 1
Acq On : 5 Jul 2007 2:22 pm Operator: danat
Sample : ic562-20 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

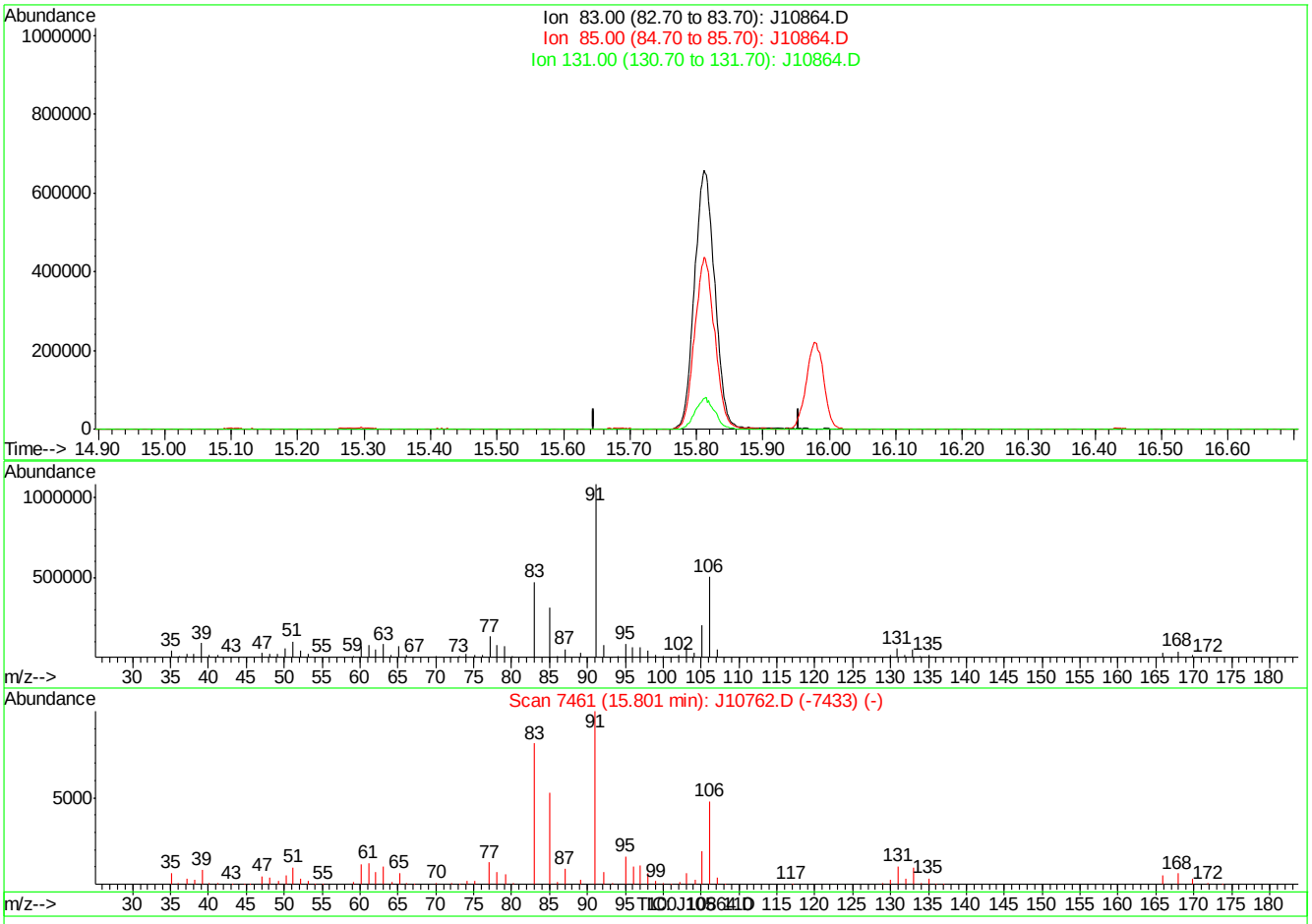
J10864.D J070507T.M Thu Jul 05 15:02:22 2007

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

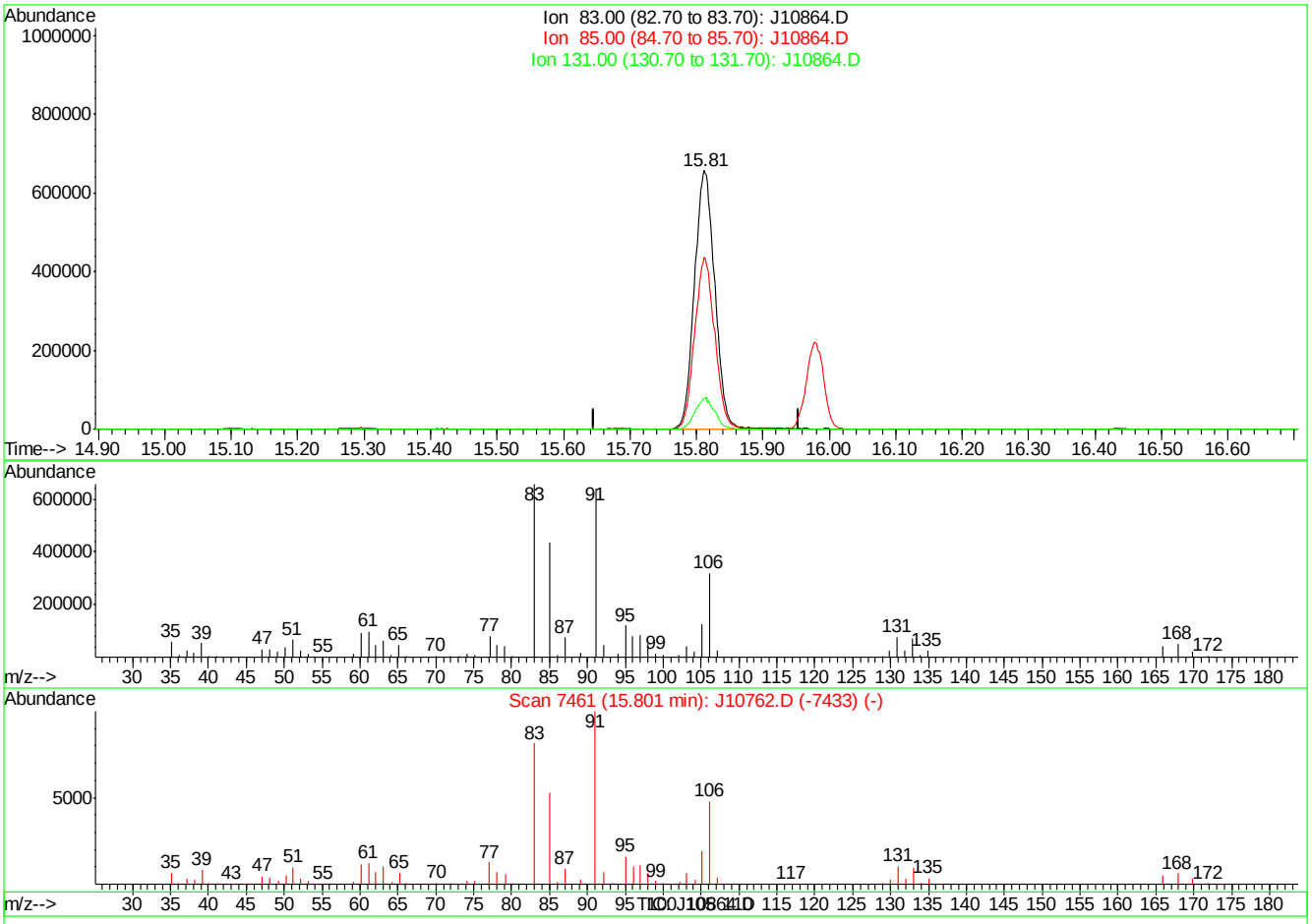
J10864.D J070507T.M Thu Jul 05 15:02:27 2007

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

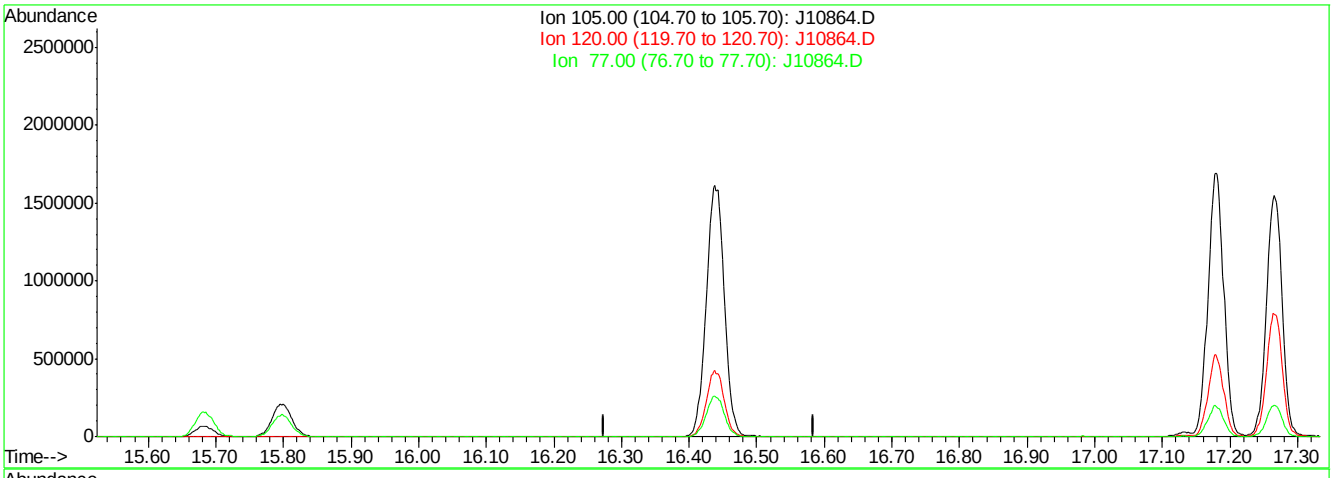
J10864.D J070507T.M Thu Jul 05 15:02:31 2007

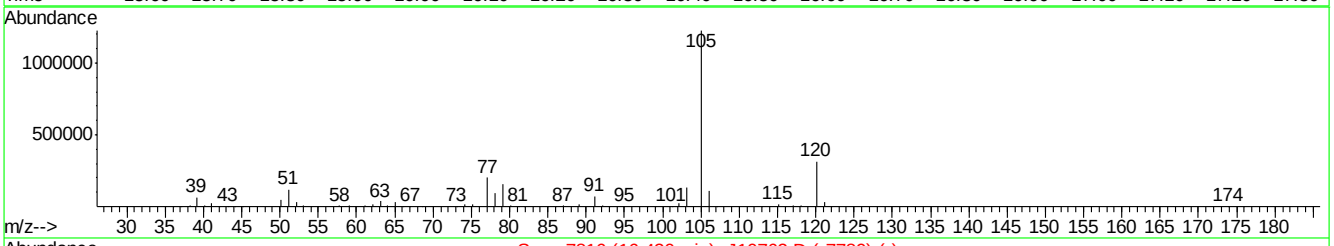
Quantitation Report (Qedit)

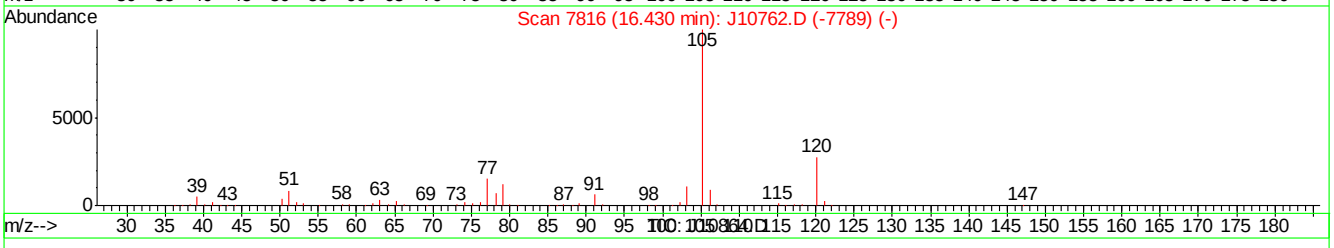
Data File : C:\MSDChem\1\data\J10864.D Vial: 1
Acq On : 5 Jul 2007 2:22 pm Operator: danat
Sample : ic562-20 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

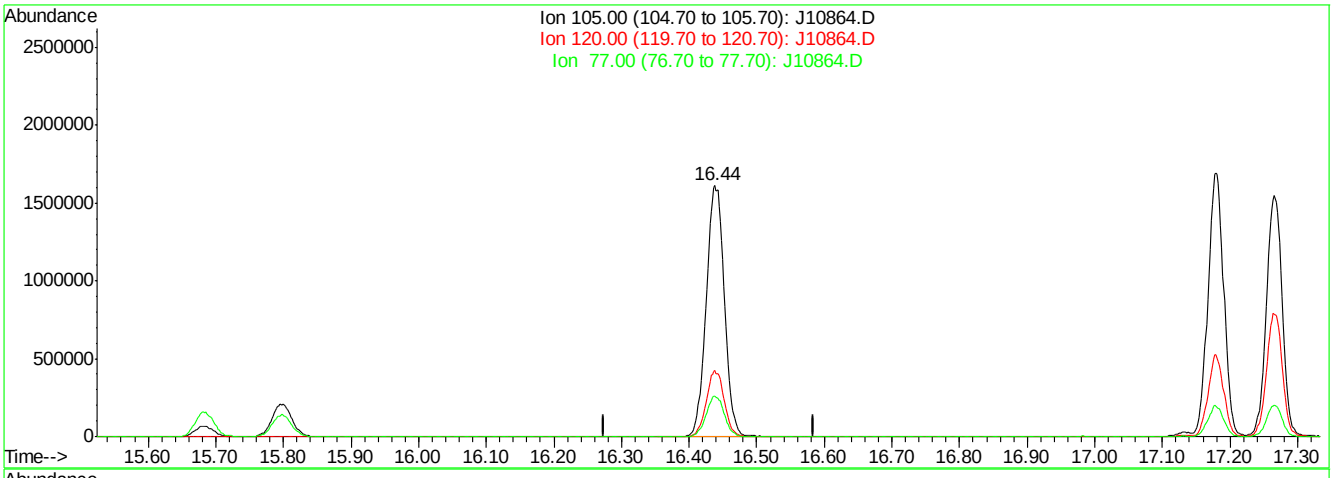
J10864.D J070507T.M Thu Jul 05 15:02:37 2007

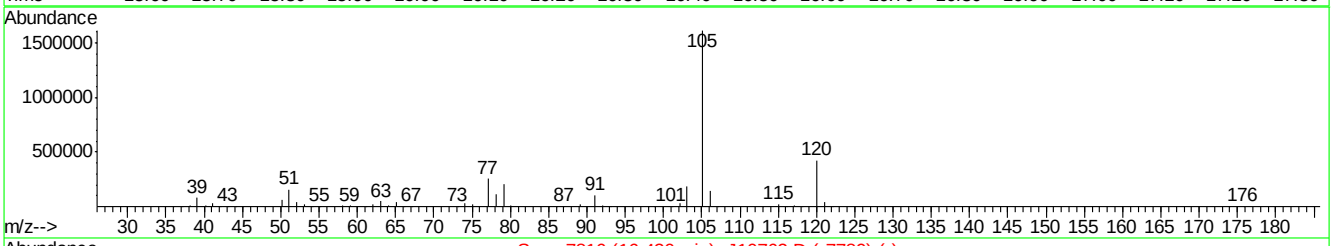
Quantitation Report (Qedit)

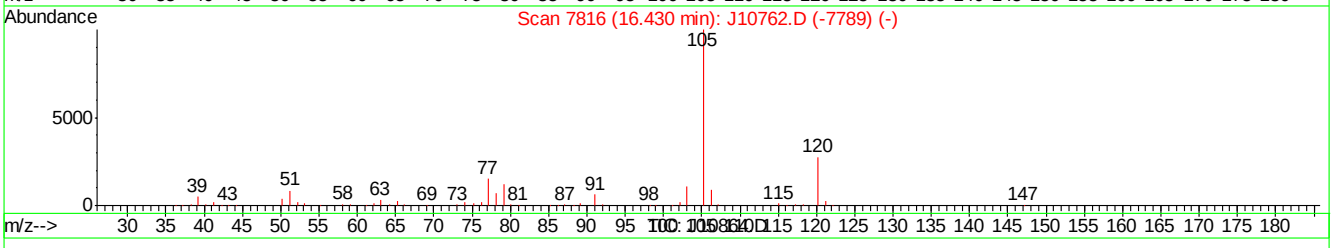
Data File : C:\MSDChem\1\data\J10864.D Vial: 1
Acq On : 5 Jul 2007 2:22 pm Operator: danat
Sample : ic562-20 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

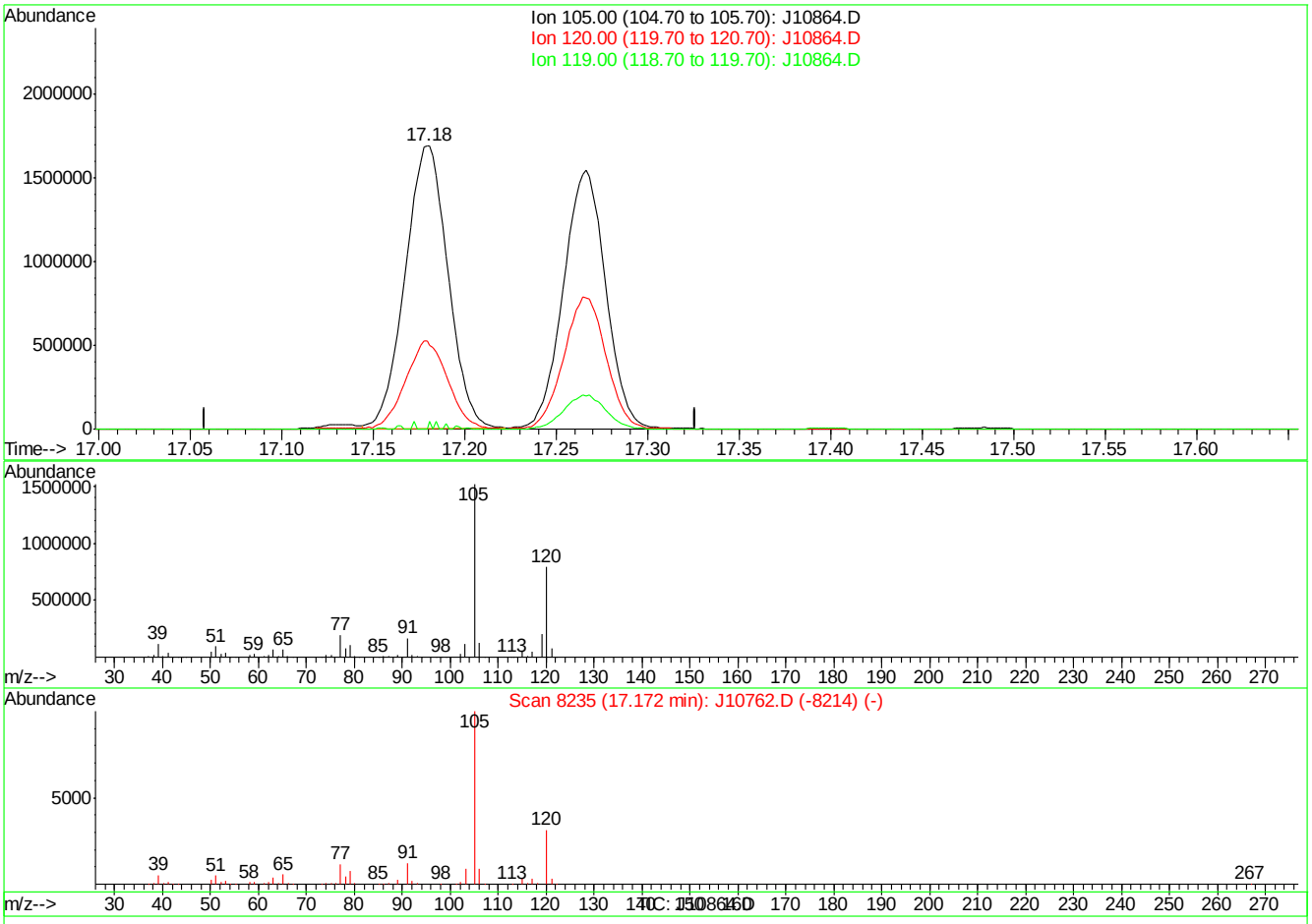
J10864.D J070507T.M Thu Jul 05 15:02:41 2007

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

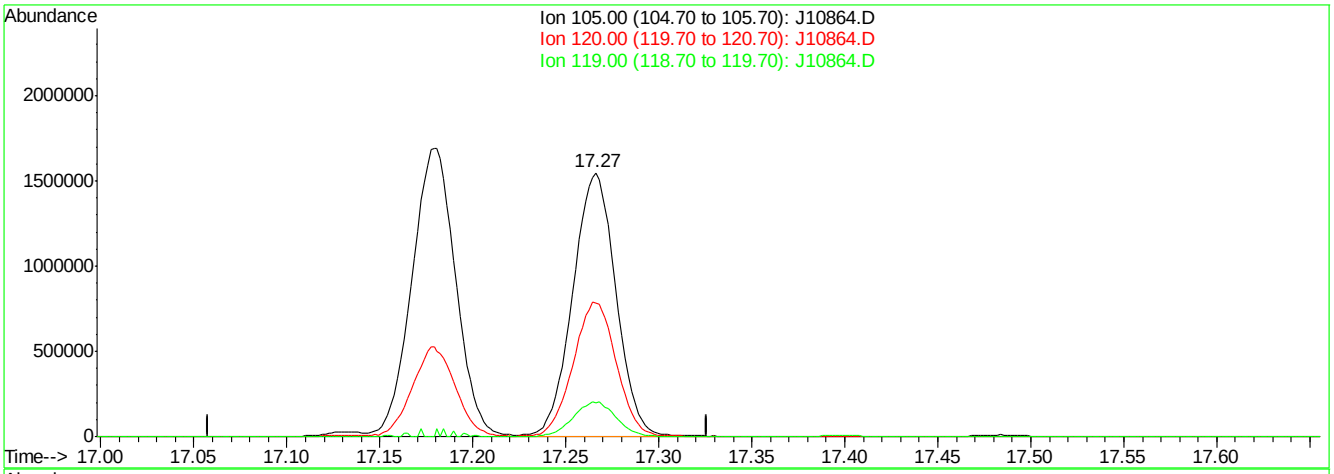
J10864.D J070507T.M Thu Jul 05 15:03:12 2007

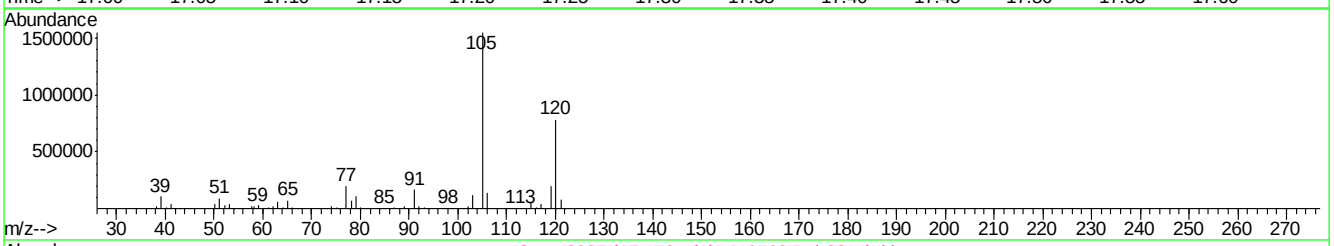
Quantitation Report (Qedit)

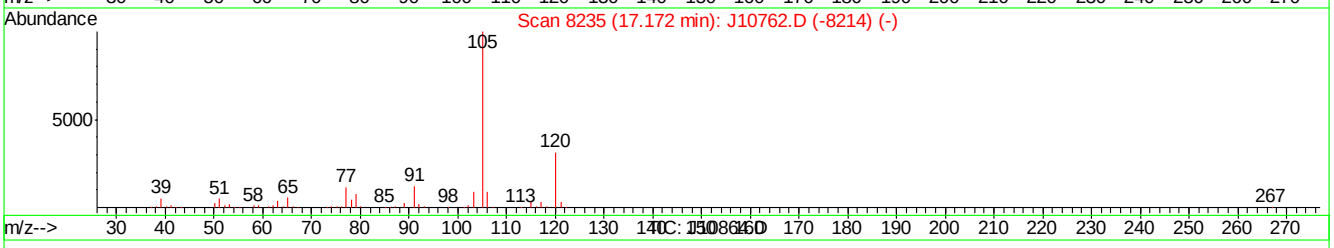
Data File : C:\MSDChem\1\data\J10864.D Vial: 1
Acq On : 5 Jul 2007 2:22 pm Operator: danat
Sample : ic562-20 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

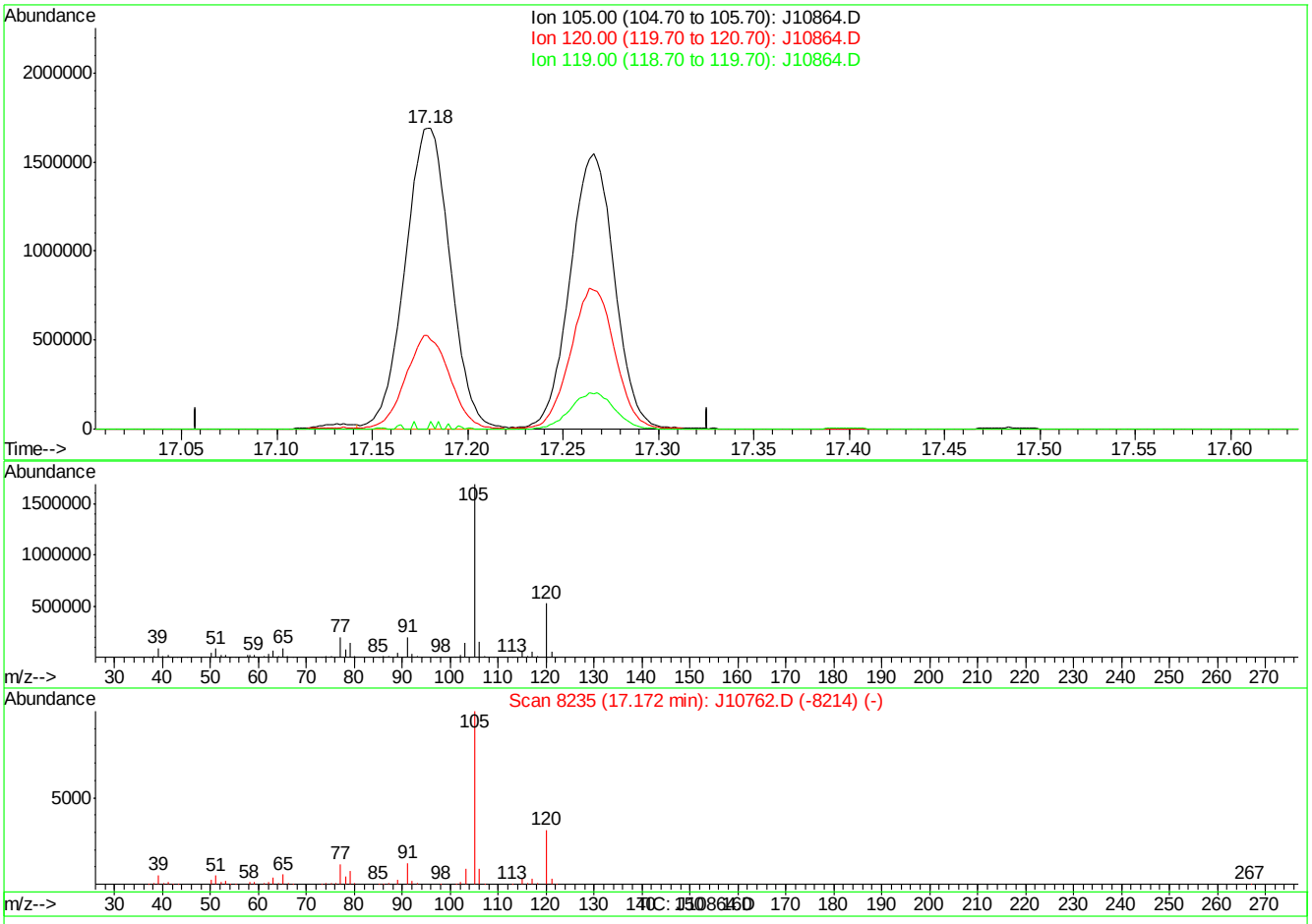
J10864.D J070507T.M Thu Jul 05 15:03:17 2007

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

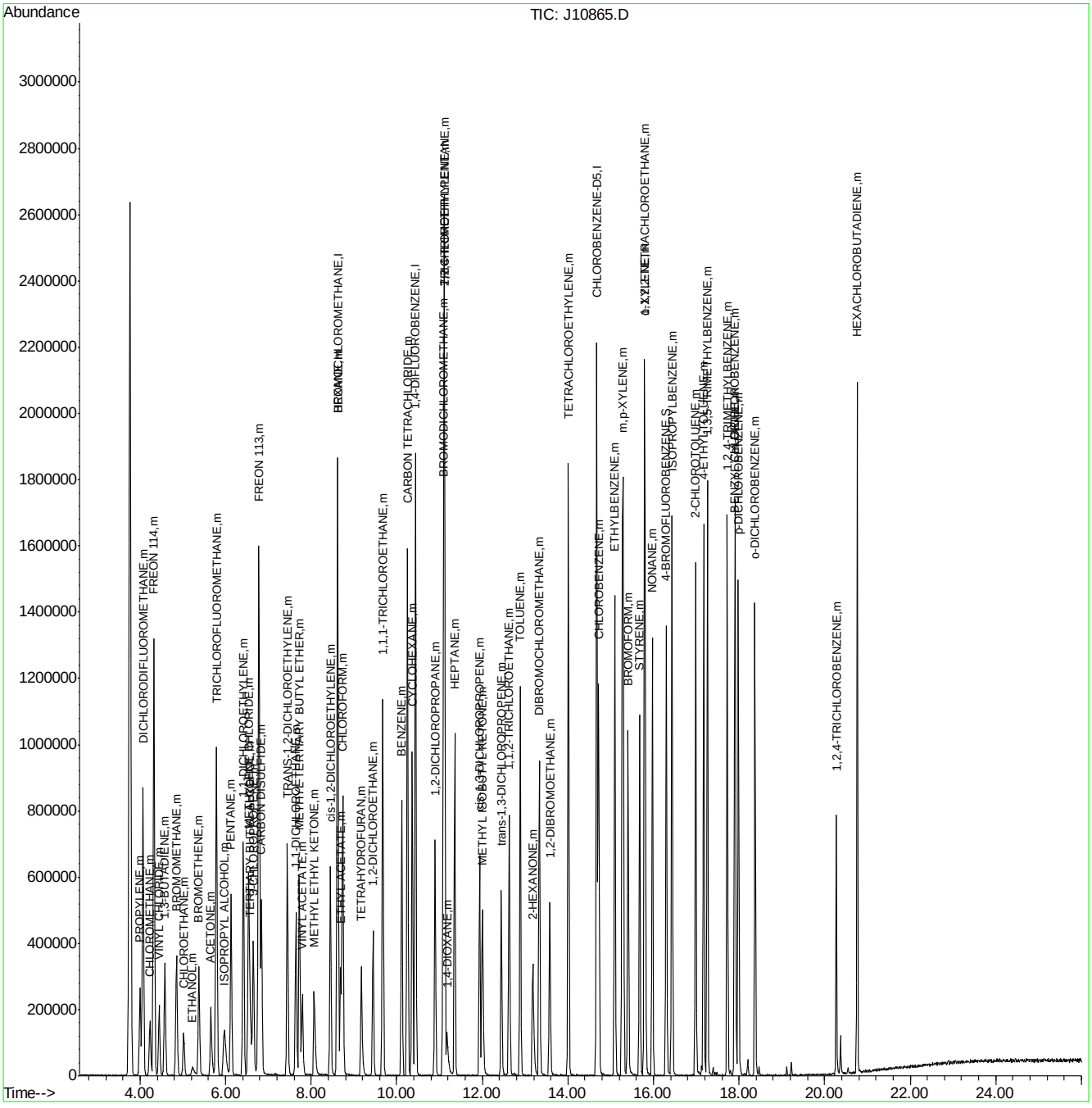
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.00	43	441145	9.32	PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.93	75	340858	11.13	PPBV	98
46) TOLUENE	12.89	92	492562	11.16	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.44	75	328198	11.25	PPBV	97
48) 1,1,2-TRICHLOROETHANE	12.63	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



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

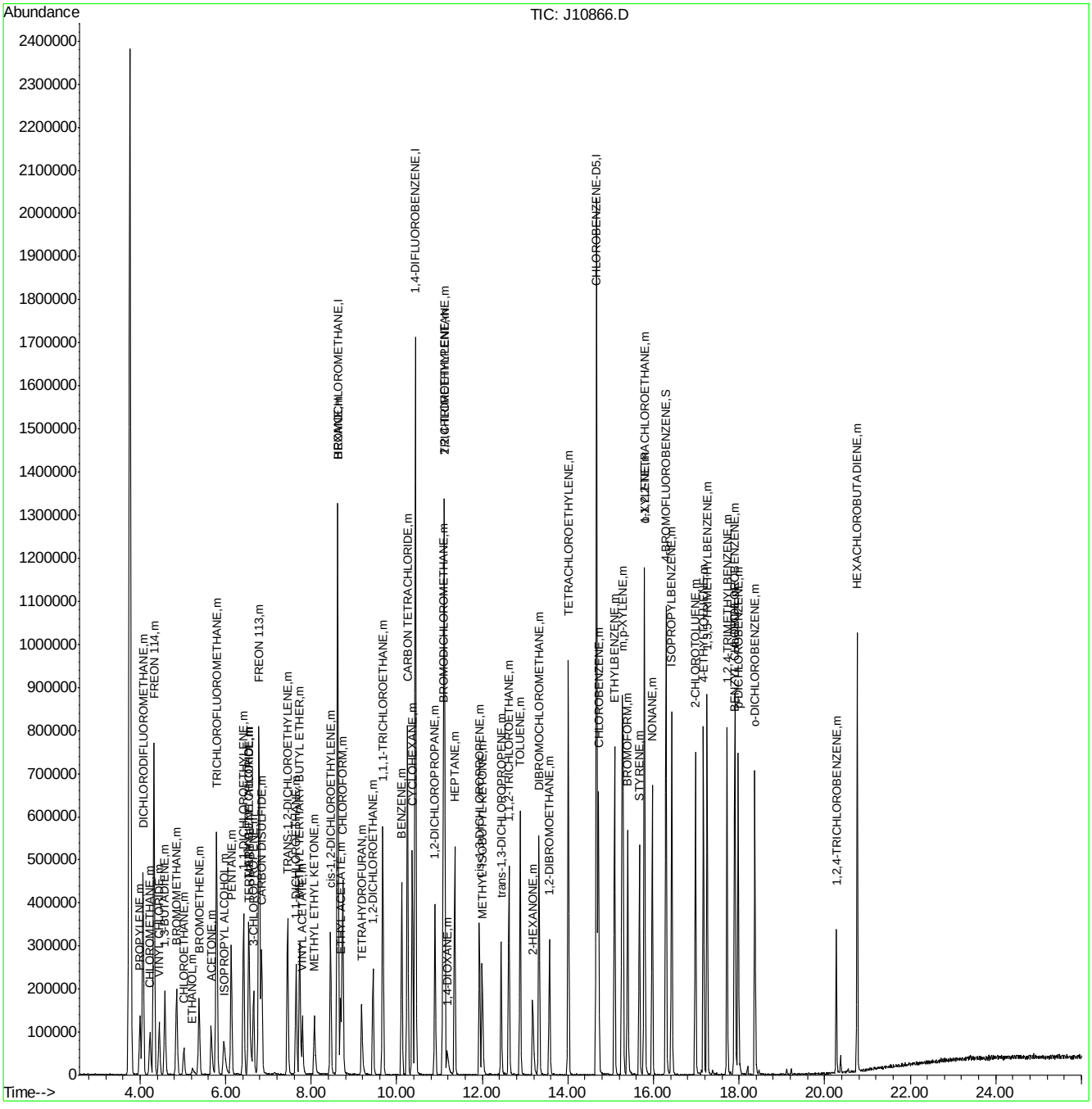
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.00	43	194430	4.81	PPBV	99
45) cis-1,3-DICHLOROPROPENE	11.93	75	172847	5.72	PPBV	98
46) TOLUENE	12.88	92	246964	5.81	PPBV	100
47) trans-1,3-DICHLOROPROPENE	12.44	75	156172	5.49	PPBV	98
48) 1,1,2-TRICHLOROETHANE	12.62	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



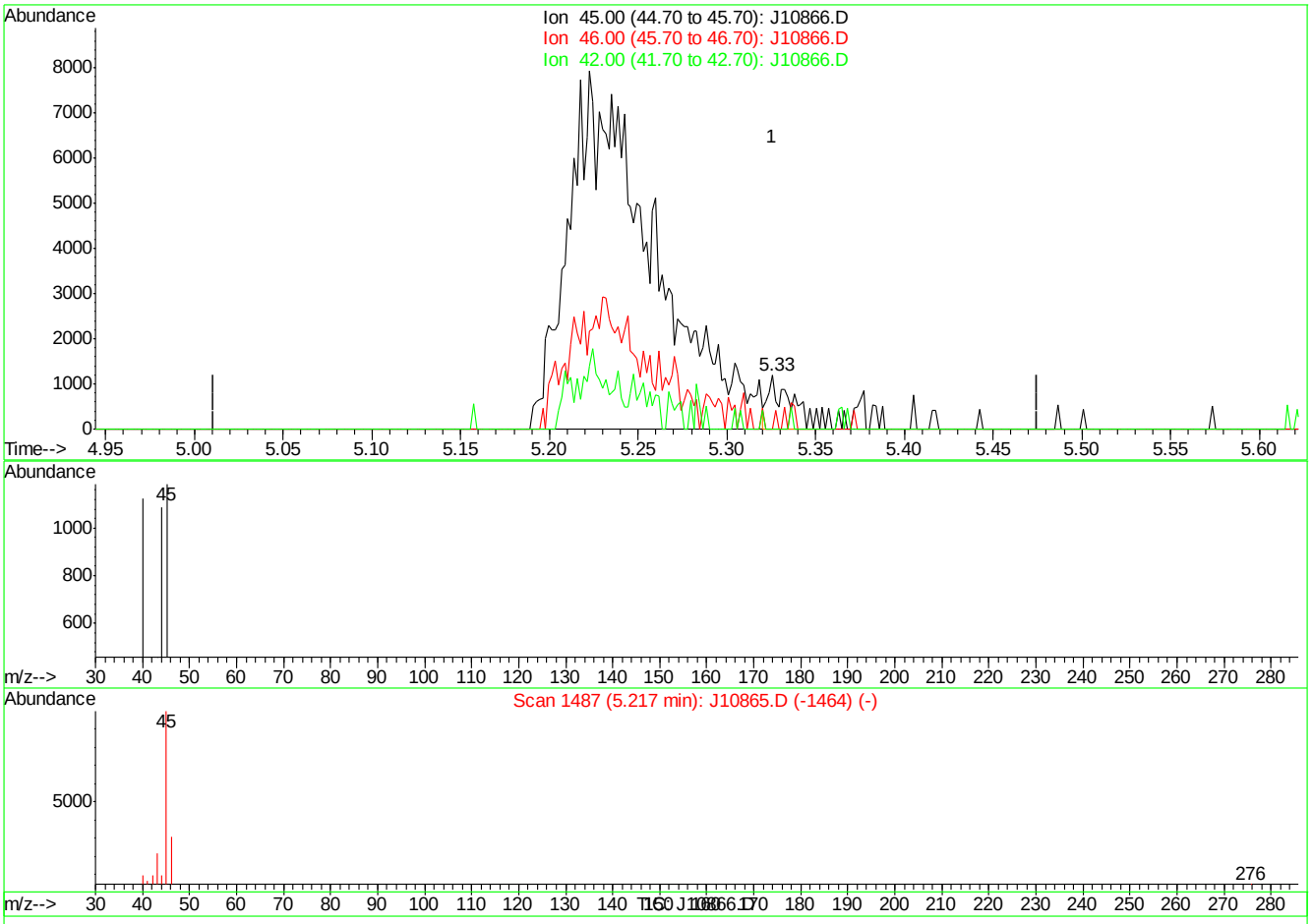
J070507T.M Fri Jul 06 11:19:40 2007 Page: 3

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

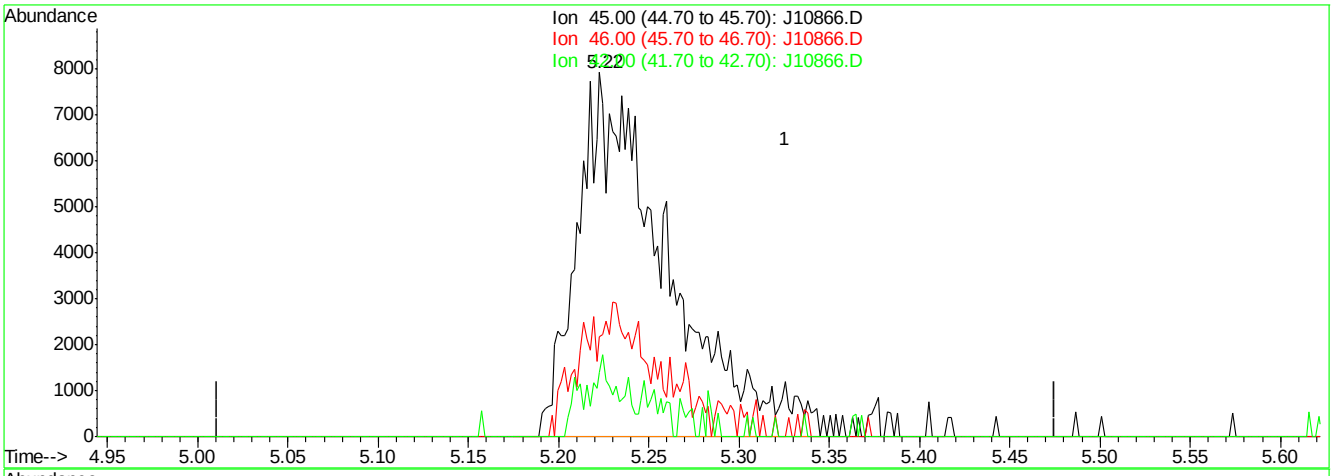
J10866.D J070507T.M Thu Jul 05 16:34:48 2007

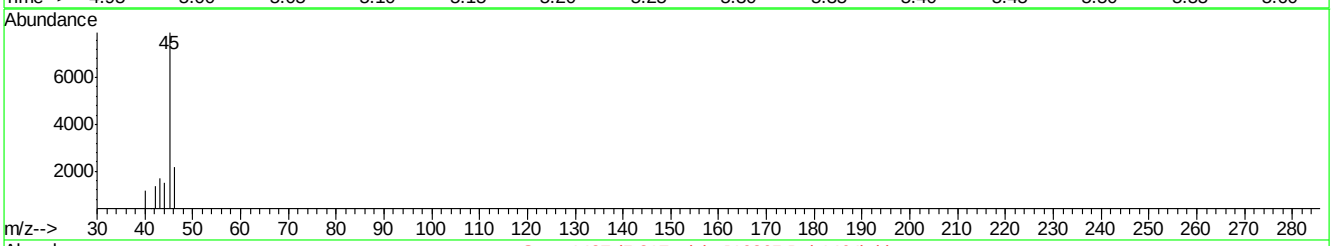
Quantitation Report (Qedit)

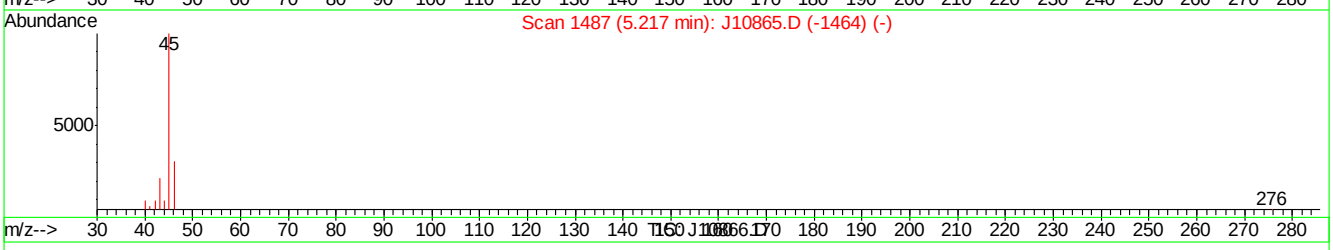
Data File : C:\MSDChem\1\data\J10866.D Vial: 1
Acq On : 5 Jul 2007 4:08 pm Operator: danat
Sample : ic562-5 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

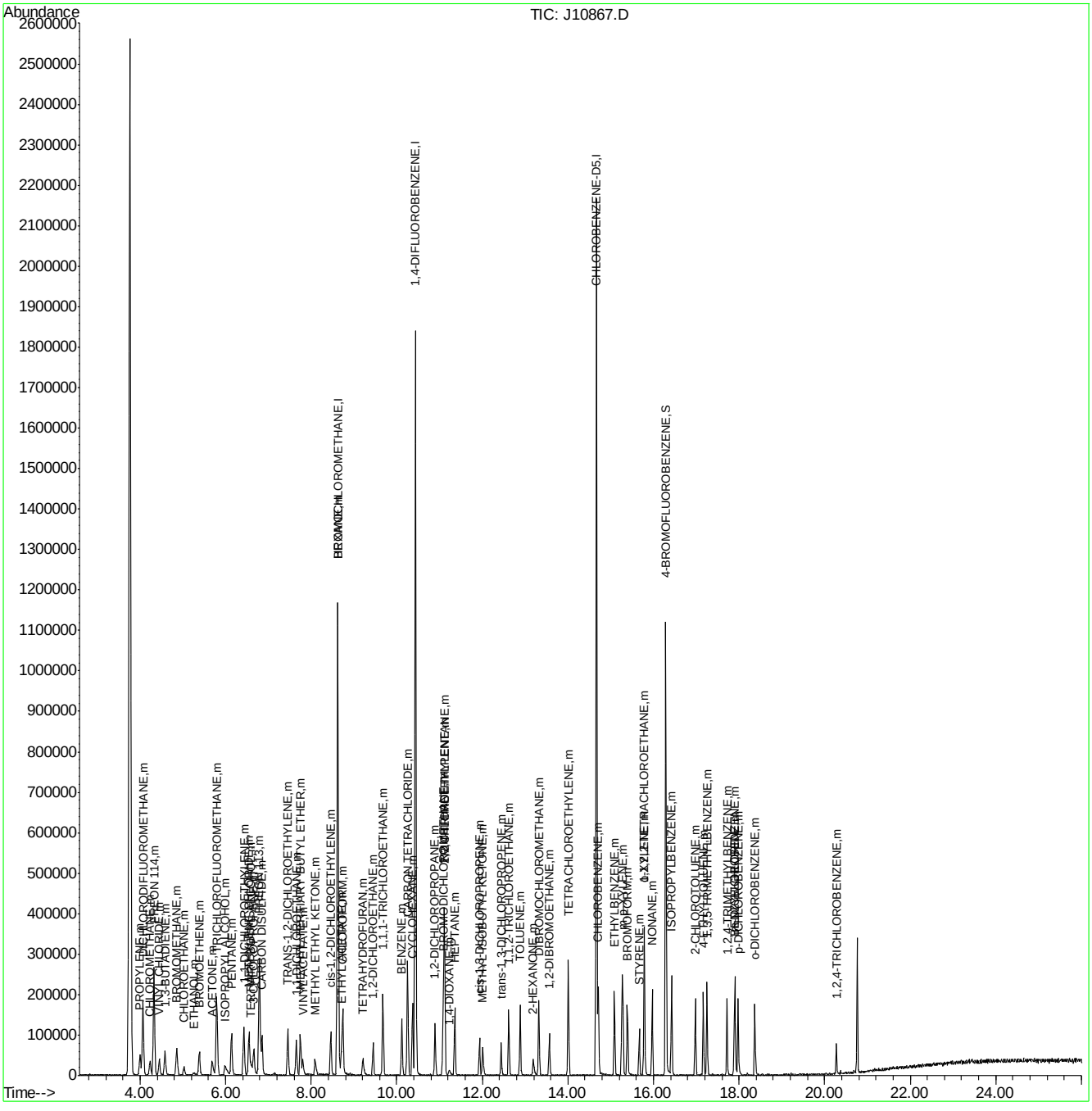
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.01	43	49831	1.18 PPBV	94
45) cis-1,3-DICHLOROPROPENE	11.93	75	42037	1.57 PPBV	96
46) TOLUENE	12.88	92	66487	1.65 PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.44	75	37565	1.53 PPBV	98
48) 1,1,2-TRICHLOROETHANE	12.61	83	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

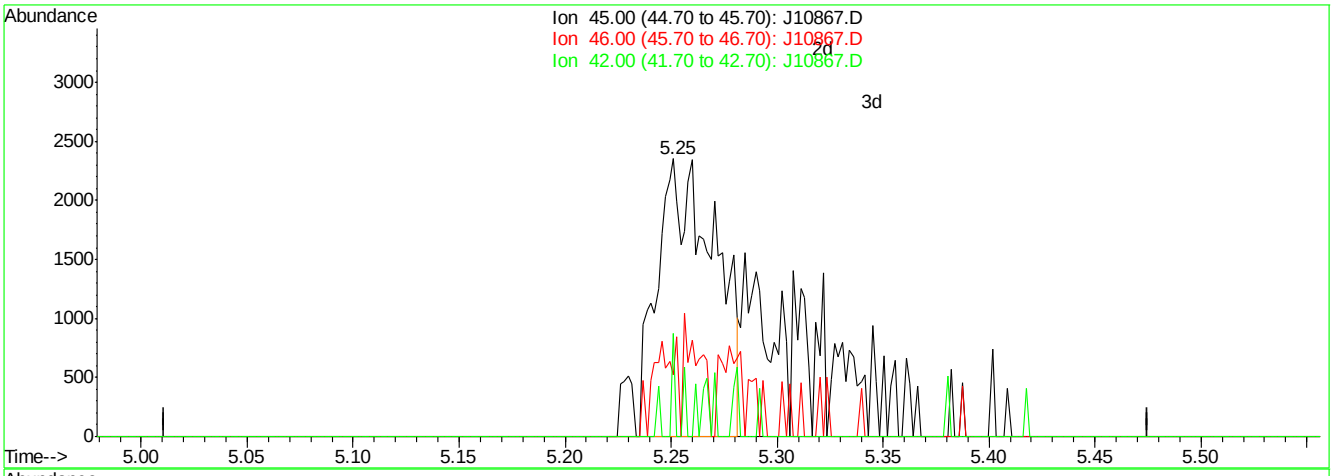


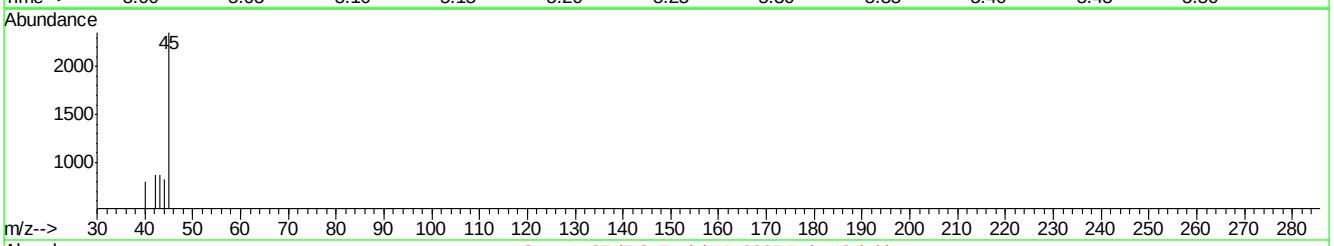
Quantitation Report (Qedit)

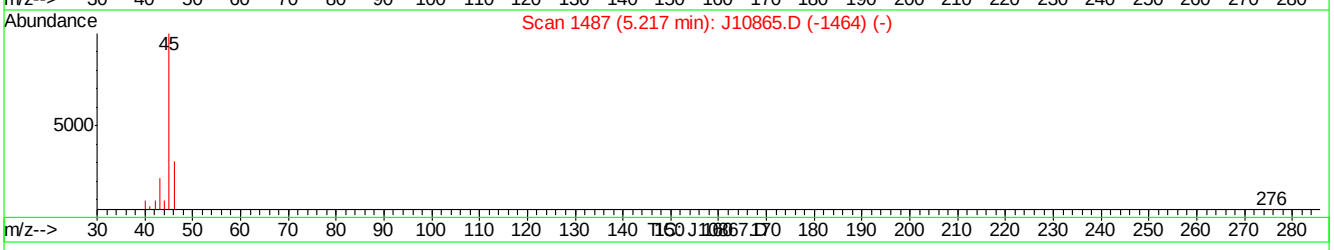
Data File : C:\MSDChem\1\data\J10867.D Vial: 2
Acq On : 5 Jul 2007 4:59 pm Operator: danat
Sample : ic562-2 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

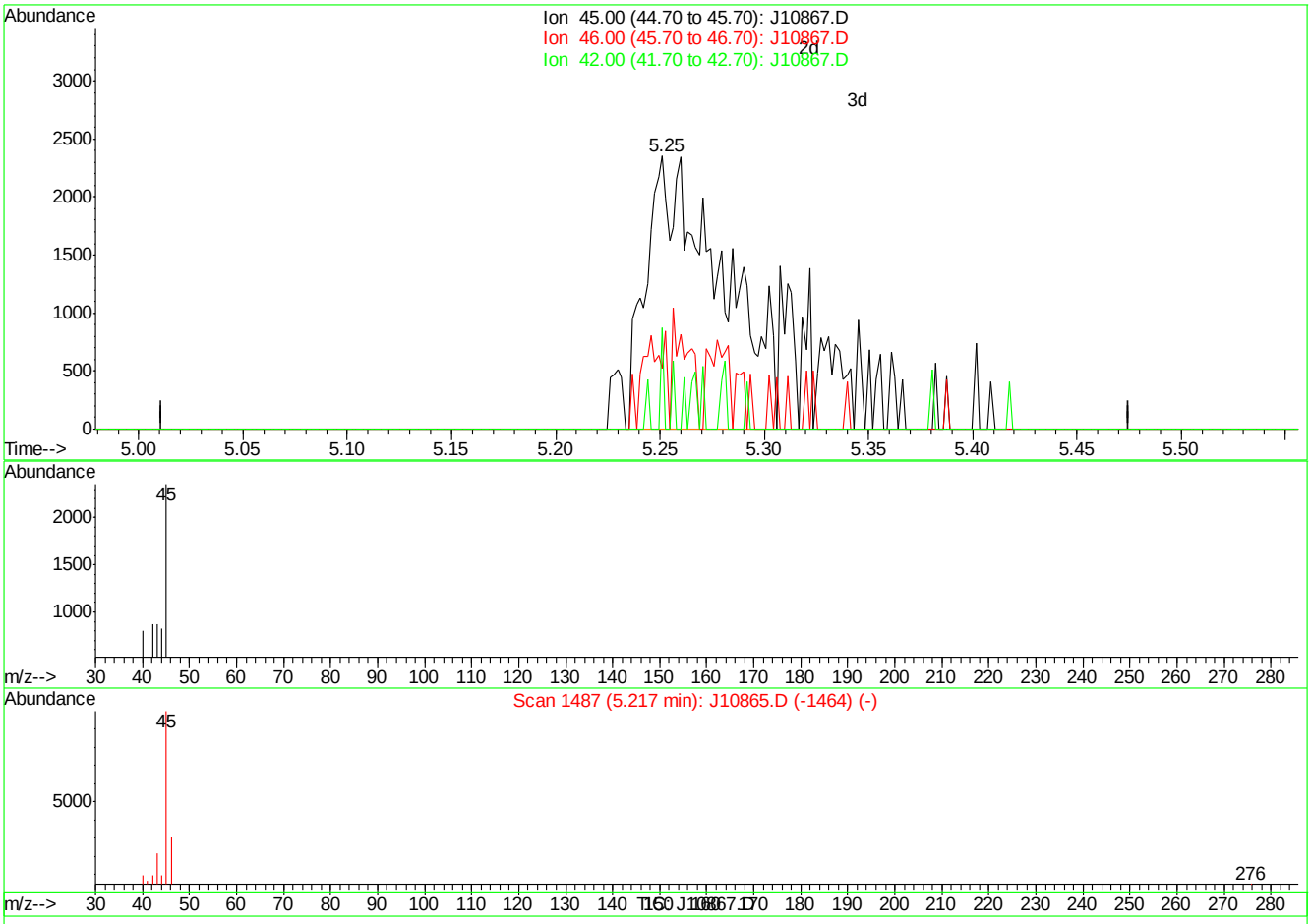
J10867.D J070507T.M Thu Jul 05 17:26:48 2007

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

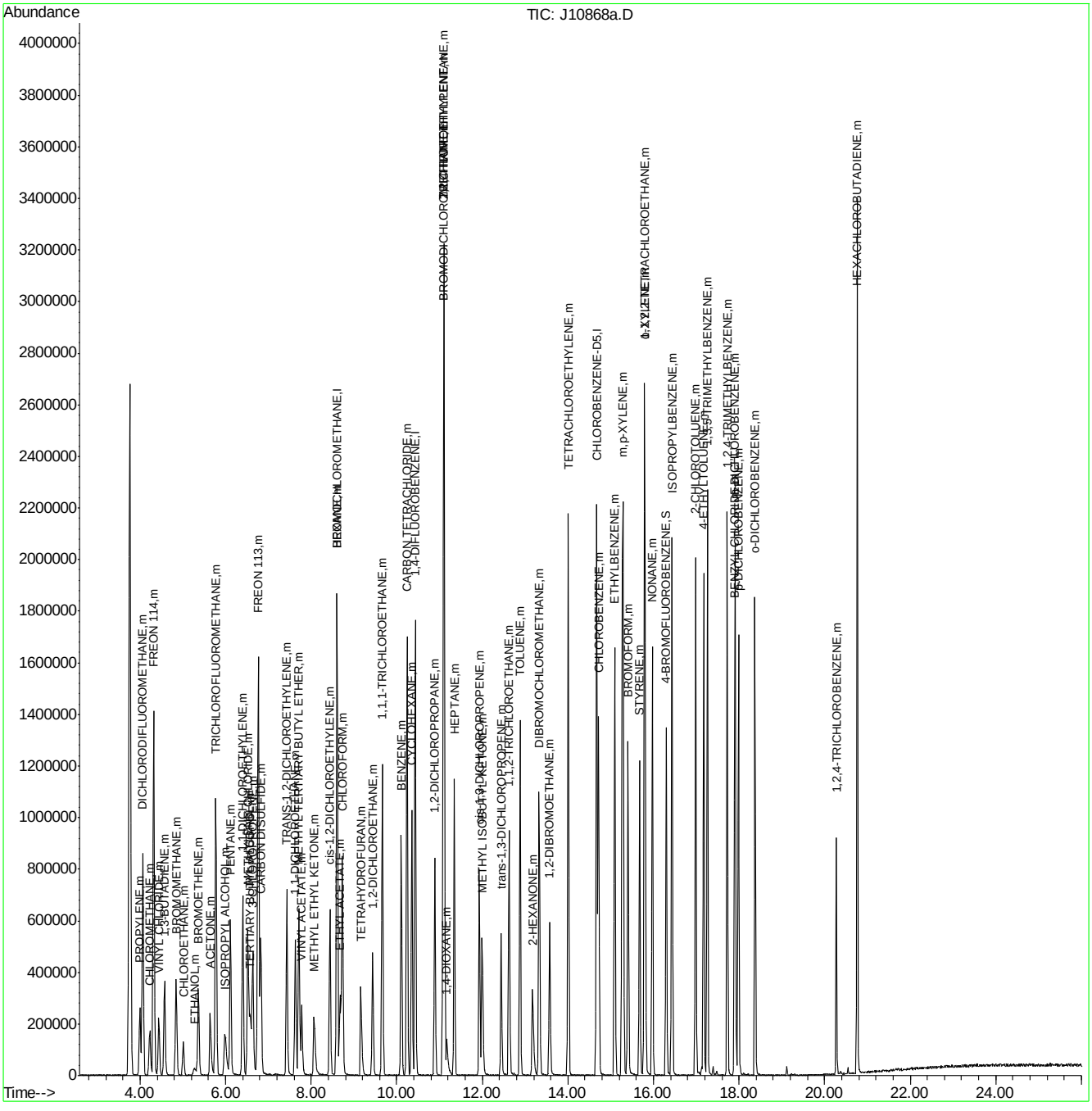
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.99	43	470043	10.33	PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.93	75	407474	10.95	PPBV	98
46) TOLUENE	12.88	92	578281	11.03	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.44	75	315716	9.17	PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.62	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



ACCUTEST Laboratories M67337

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

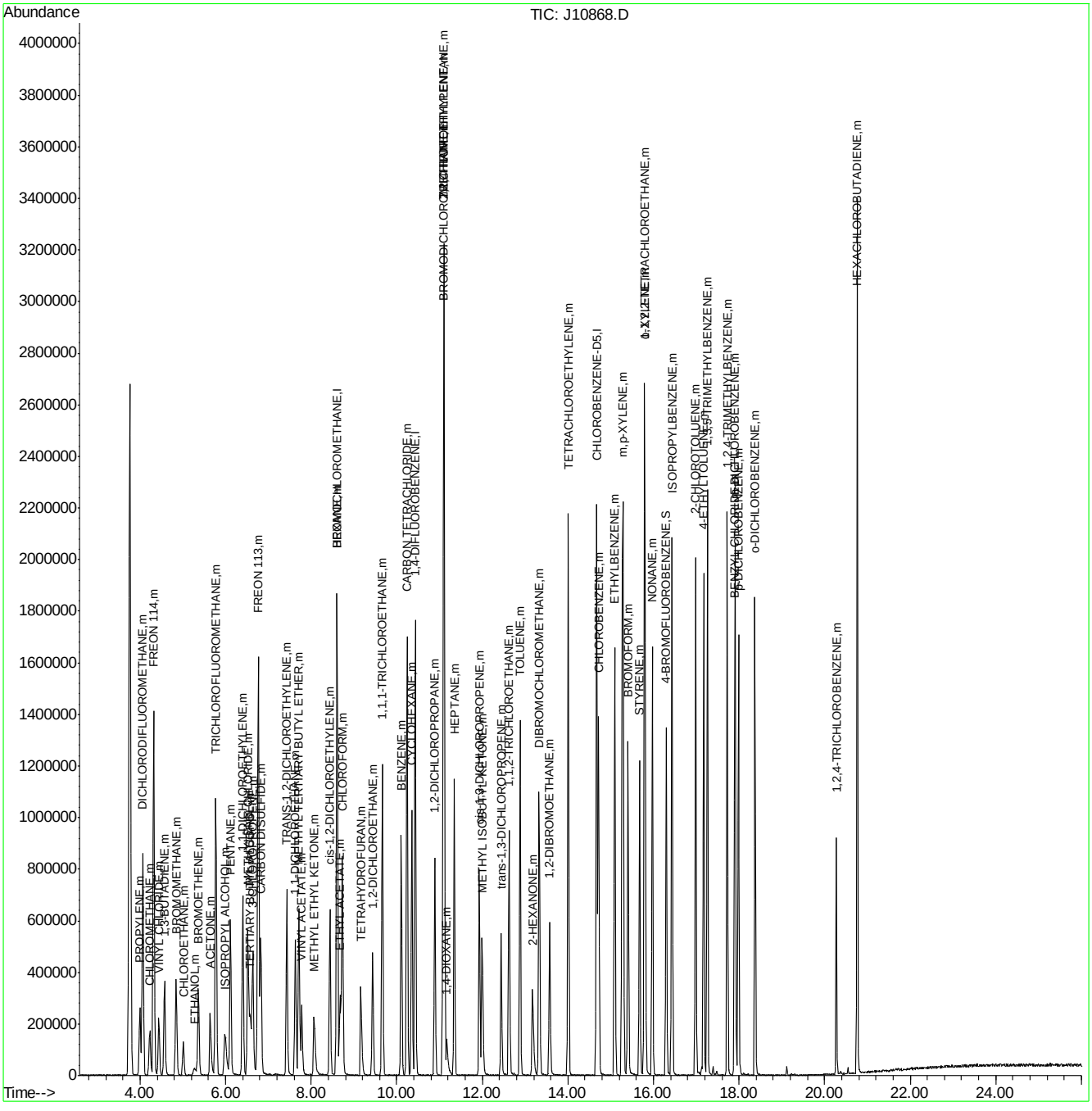
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.99	43	470043	10.33	PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.93	75	407474	10.95	PPBV	98
46) TOLUENE	12.88	92	578281	11.03	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.44	75	315716	9.17	PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.62	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



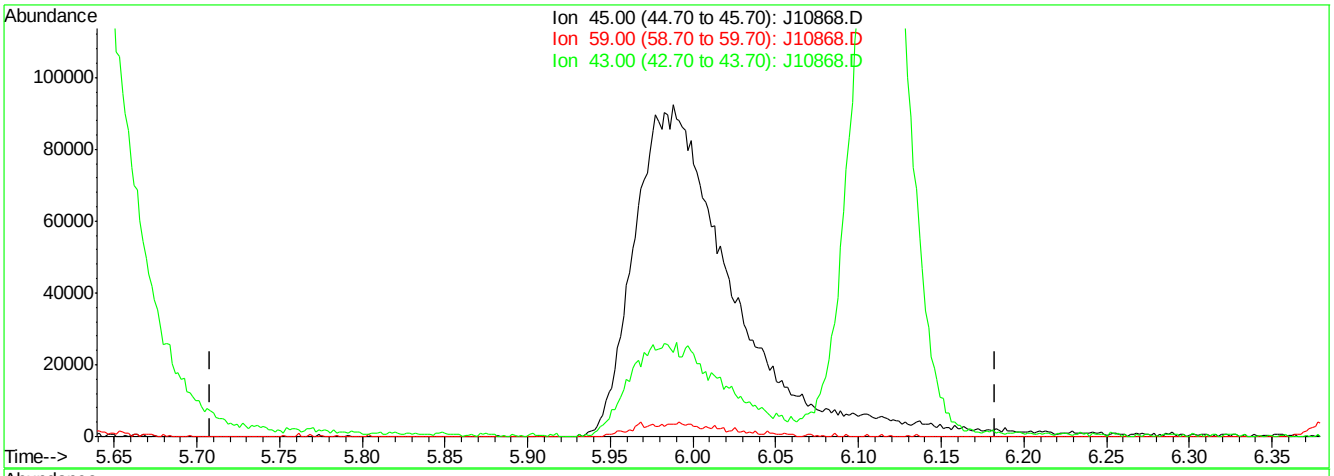
J070507T.M Fri Jul 06 11:20:11 2007 Page: 3

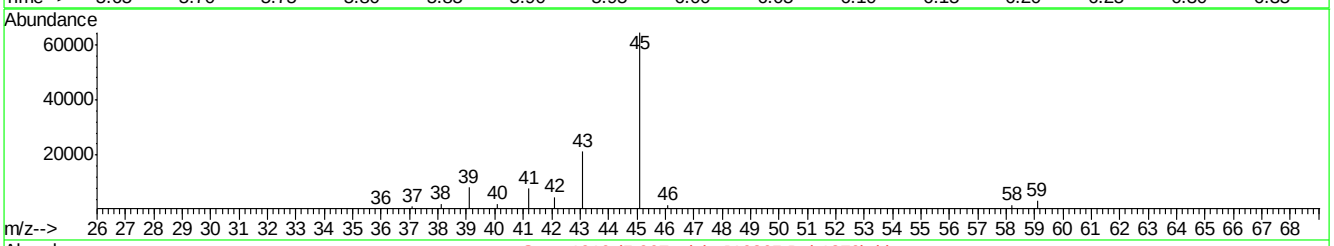
Quantitation Report (Qedit)

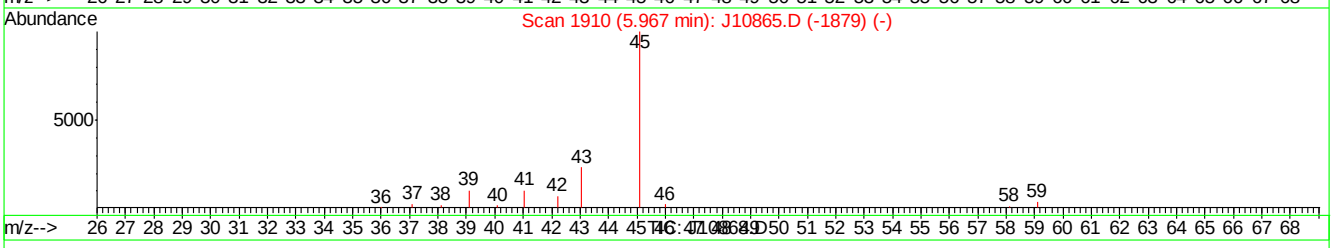
Data File : C:\MSDChem\1\data\J10868.D Vial: 3
Acq On : 5 Jul 2007 5:56 pm Operator: danat
Sample : icv562-10 (M080) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

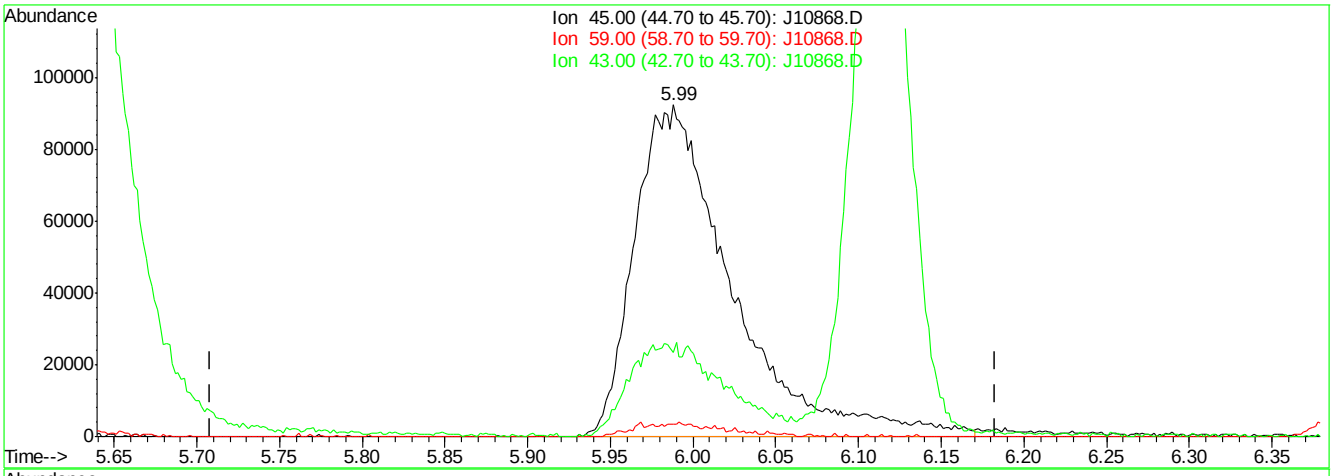
J10868.D J070507T.M Thu Jul 05 18:23:58 2007

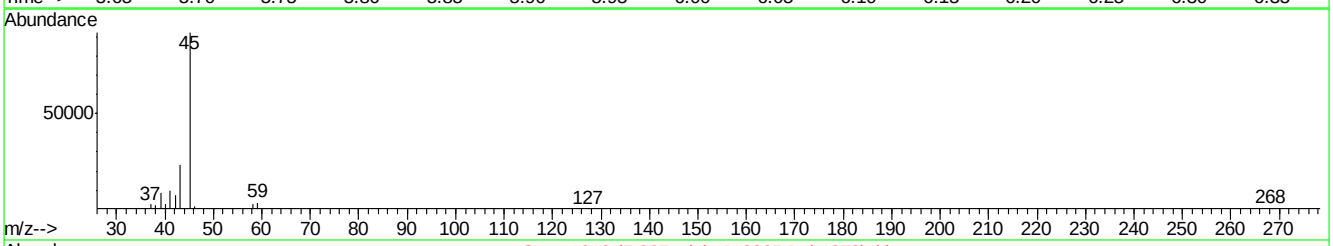
Quantitation Report (Qedit)

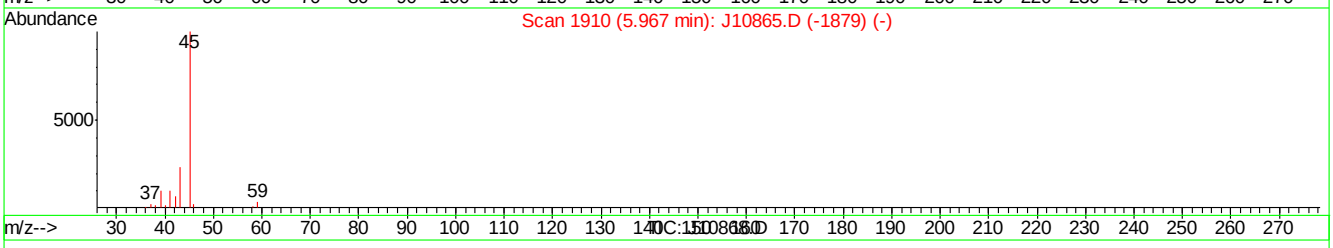
Data File : C:\MSDChem\1\data\J10868.D Vial: 3
Acq On : 5 Jul 2007 5:56 pm Operator: danat
Sample : icv562-10 (M080) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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)
Doug Yargeau
09/05/07 15:05

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4480.D
Acq On : 4 Sep 2007 11:35 am
Operator : danat
Sample : ic235-0.5 (M174)
Misc : MS14204, MSQ235,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 04 12:04:31 2007
Quant Method : C:\msdchem\1\METHODS\Q090407T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Sep 04 12:02:40 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.626	128	326729	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.454	114	1565031	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.700	117	1184895	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.318	95	339712	4.25	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 85.00%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.035	85	66533	0.38	PPBV	98
3) PROPYLENE	3.969	41	12400	0.39	PPBV	90
4) FREON 114	4.294	85	66218	0.41	PPBV	94
5) CHLOROMETHANE	4.200	50	17814	0.46	PPBV	93
6) VINYL CHLORIDE	4.415	62	19159	0.40	PPBV	95
7) 1,3-BUTADIENE	4.557	39	14883	0.46	PPBV	86
8) BROMOMETHANE	4.832	94	20854	0.39	PPBV	98
9) CHLOROETHANE	5.000	64	8973	0.46	PPBV	93
10) TRICHLOROFLUOROMETHANE	5.787	101	63691	0.37	PPBV	99
11) ISOPROPYL ALCOHOL	5.843	45	25307	0.39	PPBV #	54
12) ACETONE	5.611	43	35932	0.52	PPBV	100
13) PENTANE	6.145	42	20592	0.43	PPBV	90
14) 1,1-DICHLOROETHYLENE	6.424	96	17872	0.34	PPBV	93
15) CARBON DISULFIDE	6.853	76	55413	0.36	PPBV	81
16) ETHANOL	5.105	45	6826	0.46	PPBV	88
17) BROMOETHENE	5.361	106	18569	0.38	PPBV	92
18) METHYLENE CHLORIDE	6.537	84	52462	0.40	PPBV	98
19) 3-CHLOROPROPENE	6.655	39	14815	0.36	PPBV	93
20) FREON 113	6.795	151	35730	0.35	PPBV	97
21) TRANS-1,2-DICHLOROETHY...	7.460	96	17577	0.35	PPBV	97
22) TERTIARY BUTYL ALCOHOL	6.445	59	27742	0.35	PPBV	80
23) METHYL TERTIARY BUTYL ...	7.712	73	27987	0.29	PPBV	92
24) TETRAHYDROFURAN	9.161	42	6601	0.23	PPBV	85
25) HEXANE	8.662	57	20438	0.31	PPBV #	77
26) VINYL ACETATE	7.792	43	23107	0.31	PPBV #	64
27) 1,1-DICHLOROETHANE	7.657	63	32946	0.39	PPBV	98
28) METHYL ETHYL KETONE	8.044	43	21010	0.31	PPBV	94
29) cis-1,2-DICHLOROETHYLENE	8.465	96	10881	0.26	PPBV	98
30) ETHYL ACETATE	8.669	43	37476	0.34	PPBV	96
31) CHLOROFORM	8.745	83	41477	0.37	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.702	97	38456	0.35	PPBV	98
33) CARBON TETRACHLORIDE	10.289	117	45449	0.34	PPBV	99
34) 1,2-DICHLOROETHANE	9.455	62	20534	0.31	PPBV	96
36) BENZENE	10.144	78	31187	0.26	PPBV	98
37) CYCLOHEXANE	10.401	84	9327	0.18	PPBV	98
38) TRICHLOROETHYLENE	11.136	95	17768	0.27	PPBV	95
39) 1,2-DICHLOROPROPANE	10.916	63	12408	0.30	PPBV	98
40) BROMODICHLOROMETHANE	11.100	83	36892	0.32	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.162	57	48628	0.25	PPBV #	85
42) 1,4-DIOXANE	11.148	88	4751	0.23	PPBV #	1
43) HEPTANE	11.398	43	13949	0.22	PPBV	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4480.D
Acq On : 4 Sep 2007 11:35 am
Operator : danat
Sample : ic235-0.5 (M174)
Misc : MS14204, MSQ235,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 04 12:04:31 2007
Quant Method : C:\msdchem\1\METHODS\Q090407T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Sep 04 12:02:40 2007
Response via : Initial Calibration

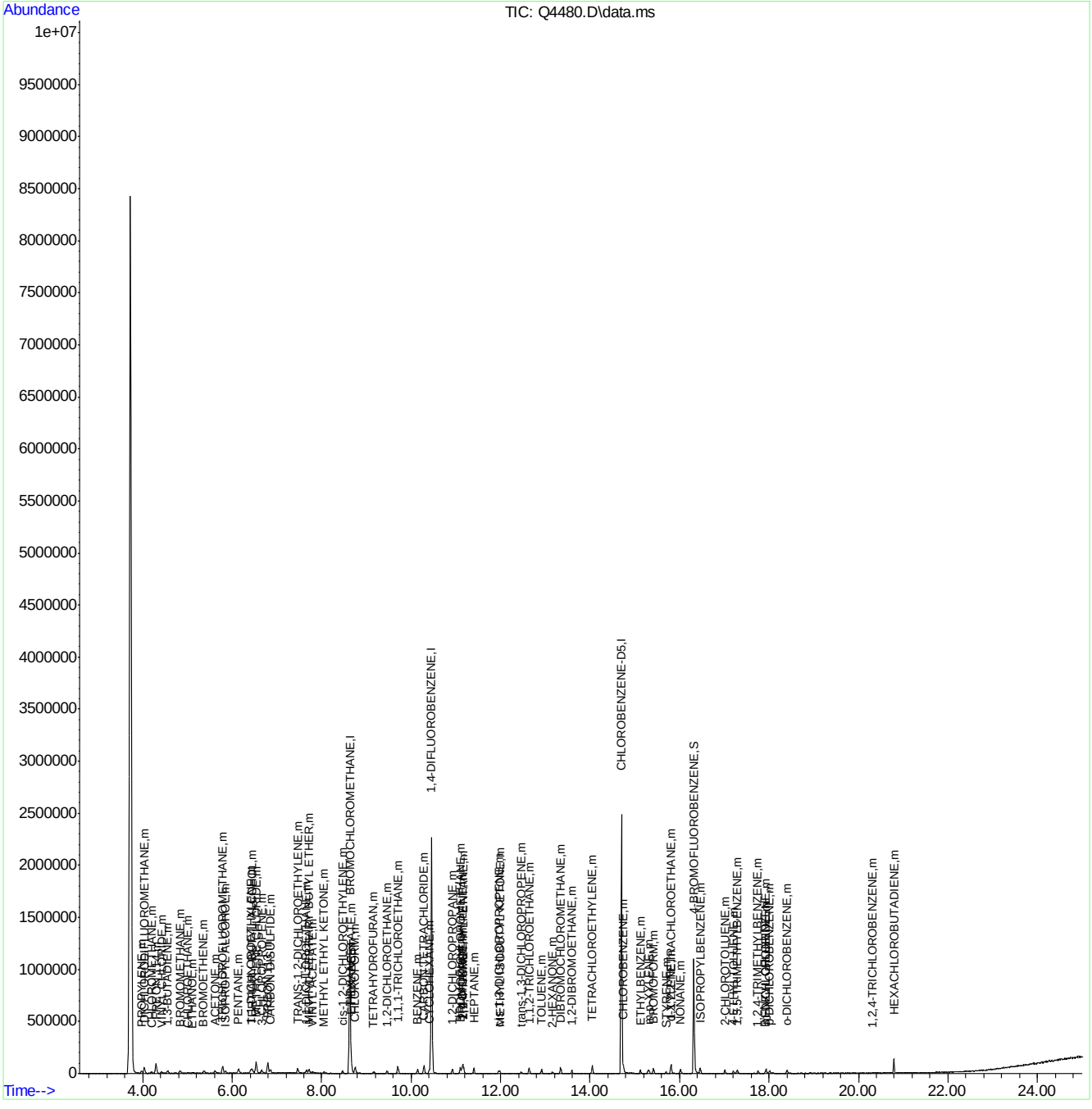
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.982	43	15207	0.20	PPBV	87
45) cis-1,3-DICHLOROPROPENE	11.956	75	10502	0.18	PPBV	93
46) TOLUENE	12.916	92	13478	0.18	PPBV	91
47) trans-1,3-DICHLOROPROPENE	12.454	75	9001	0.17	PPBV	98
48) 1,1,2-TRICHLOROETHANE	12.636	83	12647	0.29	PPBV	99
50) 2-HEXANONE	13.152	43	10597	0.18	PPBV #	58
51) TETRACHLOROETHYLENE	14.045	164	15386	0.26	PPBV	97
52) DIBROMOCHLOROMETHANE	13.344	129	27648	0.28	PPBV	99
53) 1,2-DIBROMOETHANE	13.596	107	16673	0.25	PPBV	96
54) CHLOROBENZENE	14.746	112	29691	0.28	PPBV	96
55) ETHYLBENZENE	15.124	91	21244	0.16	PPBV	98
56) m,p-XYLENE	15.317	106	15738	0.29	PPBV #	83
57) o-XYLENE	15.818	106	7294	0.14	PPBV	90
58) STYRENE	15.697	104	7399	0.10	PPBV	95
59) NONANE	16.020	43	12344	0.17	PPBV	89
60) BROMOFORM	15.415	173	21847	0.26	PPBV	96
62) 1,1,2,2-TETRACHLOROETHANE	15.805	83	29822	0.32	PPBV	97
63) ISOPROPYLBENZENE	16.462	105	28233	0.18	PPBV	97
64) 2-CHLOROTOLUENE	17.014	91	17147	0.15	PPBV	97
65) 4-ETHYLTOLUENE	17.204	105	15595	0.12	PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.285	105	17806	0.14	PPBV	96
67) 1,2,4-TRIMETHYLBENZENE	17.750	105	11586	0.11	PPBV	97
68) m-DICHLOROBENZENE	17.931	146	13906	0.17	PPBV	95
69) BENZYL CHLORIDE	17.914	91	11783	0.15	PPBV	89
70) p-DICHLOROBENZENE	18.011	146	11329	0.15	PPBV	94
71) o-DICHLOROBENZENE	18.400	146	12646	0.18	PPBV	95
72) HEXACHLOROBUTADIENE	20.791	225	20828	0.39	PPBV	98
73) 1,2,4-TRICHLOROBENZENE	20.297	180	2612m	0.12	PPBV	

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4480.D
Acq On : 4 Sep 2007 11:35 am
Operator : danat
Sample : ic235-0.5 (M174)
Misc : MS14204, MSQ235,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 04 12:04:31 2007
Quant Method : C:\msdchem\1\METHODS\Q090407T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Sep 04 12:02:40 2007
Response via : Initial Calibration

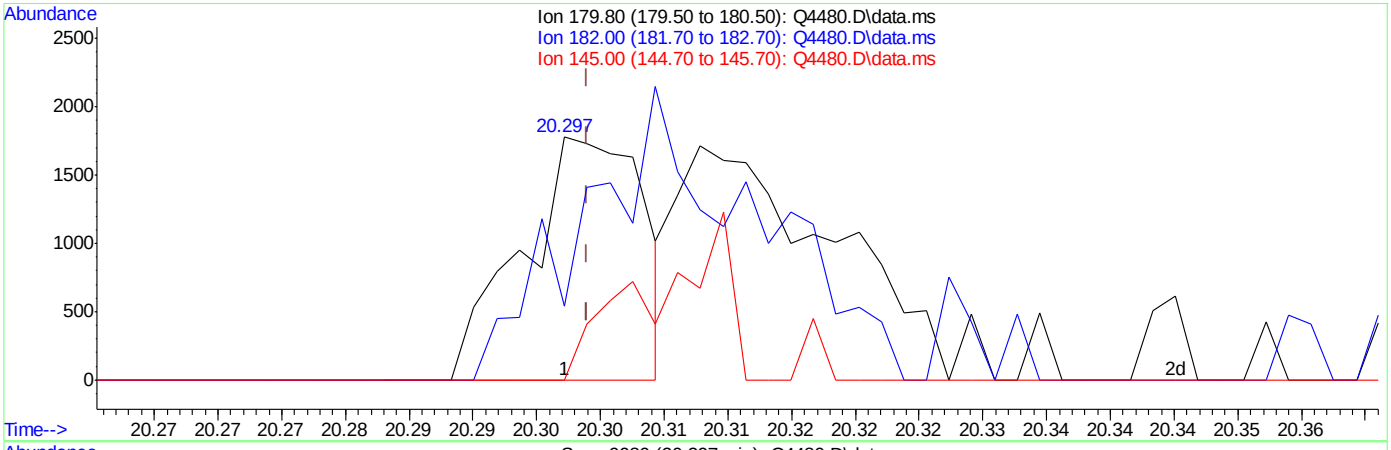


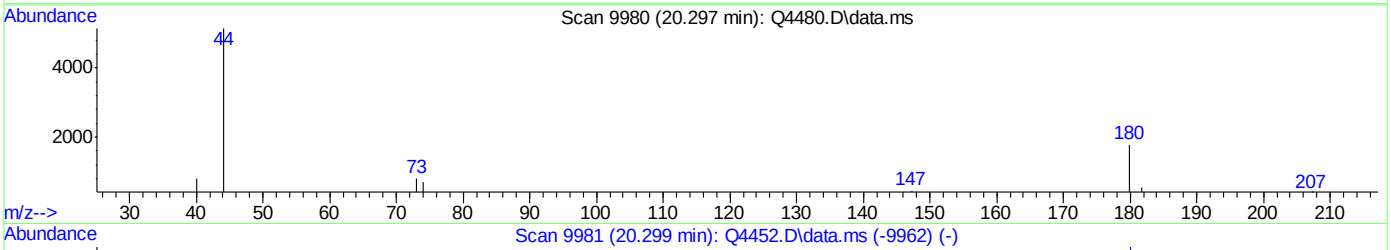
ACCUTEST Laboratories M67337

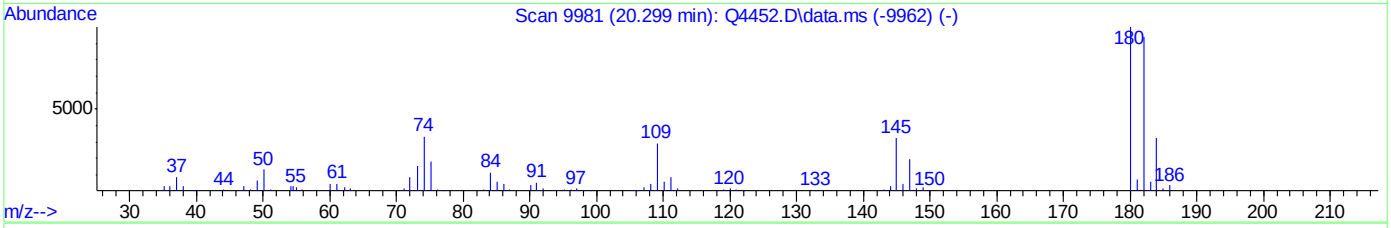
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4480.D
Acq On : 4 Sep 2007 11:35 am
Operator : danat
Sample : ic235-0.5 (M174)
Misc : MS14204, MSQ235,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 04 12:02:49 2007
Quant Method : C:\msdchem\1\METHODS\Q090407T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Sep 04 12:02:40 2007
Response via : Initial Calibration







TIC: Q4480.D\data.ms

(73) 1,2,4-TRICHLOROBENZENE (m)

20.297min (-0.002) 0.05PPBV

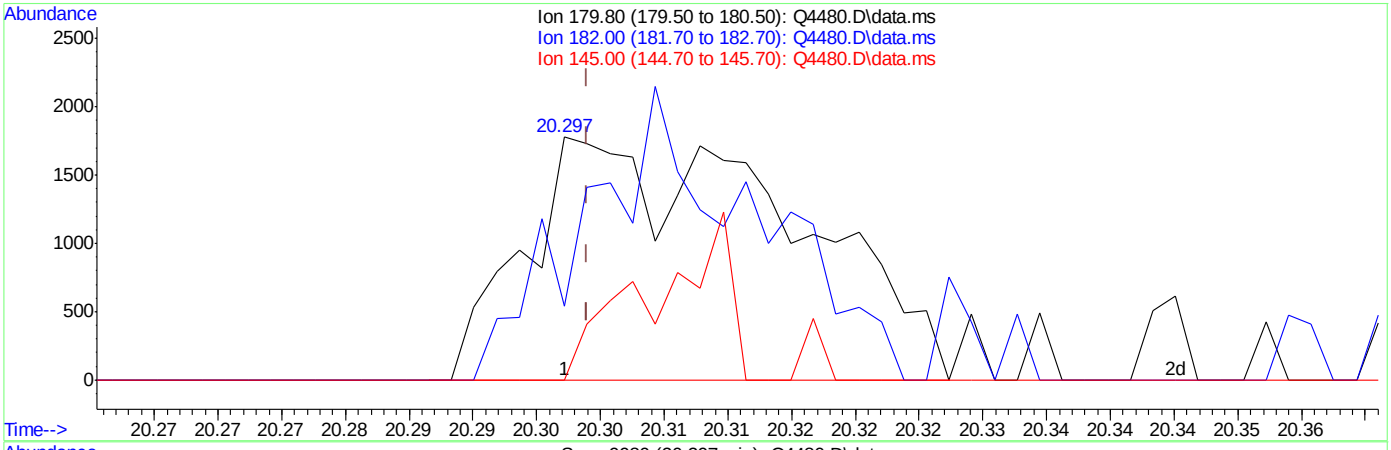
response 1161

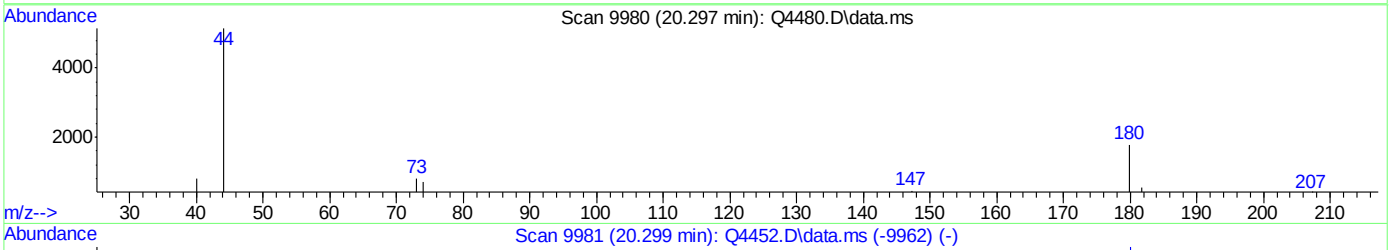
Ion	Exp%	Act%
179.80	100	100
182.00	97.40	173.56#
145.00	31.30	44.10
0.00	0.00	0.00

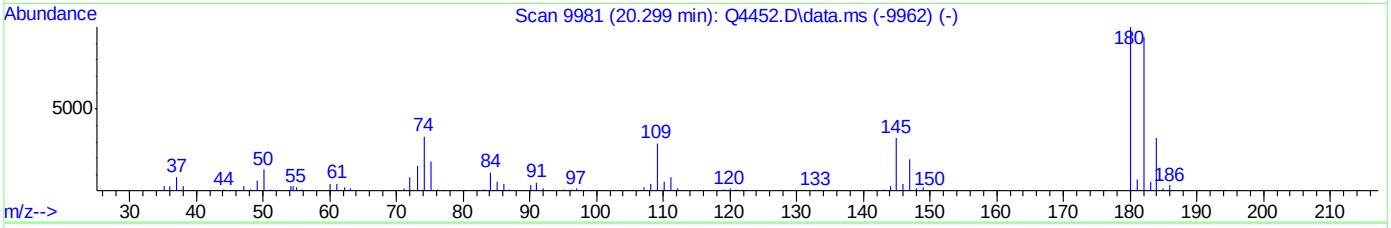
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4480.D
Acq On : 4 Sep 2007 11:35 am
Operator : danat
Sample : ic235-0.5 (M174)
Misc : MS14204, MSQ235,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 04 12:02:49 2007
Quant Method : C:\msdchem\1\METHODS\Q090407T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Sep 04 12:02:40 2007
Response via : Initial Calibration







TIC: Q4480.D\data.ms

(73) 1,2,4-TRICHLOROBENZENE (m)

20.297min (-0.002) 0.12PPBV m

response 2612

Ion	Exp%	Act%
179.80	100	100
182.00	97.40	77.14#
145.00	31.30	19.60
0.00	0.00	0.00

ACCUTEST Laboratories M67337

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
09/05/07 15:05

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4481.D
Acq On : 4 Sep 2007 12:19 pm
Operator : danat
Sample : ic235-0.2 (M174)
Misc : MS14204, MSQ235,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 04 13:20:07 2007
Quant Method : C:\msdchem\1\METHODS\Q090407T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Sep 04 12:02:40 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.626	128	268261	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.456	114	1157431	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.700	117	863406	10.00	PPBV	0.00

System Monitoring Compounds
61) 4-BROMOFLUOROBENZENE 16.318 95 203345 3.49 PPBV 0.00
Spiked Amount 5.000 Range 57 - 139 Recovery = 69.80%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.031	85	30812	0.21	PPBV	98
3) PROPYLENE	3.964	41	5053	0.20	PPBV	85
4) FREON 114	4.298	85	25136	0.19	PPBV	97
5) CHLOROMETHANE	4.209	50	6875	0.21	PPBV	92
6) VINYL CHLORIDE	4.422	62	6682m	0.17	PPBV	
7) 1,3-BUTADIENE	4.559	39	5249	0.20	PPBV #	69
8) BROMOMETHANE	4.834	94	7906	0.18	PPBV	96
9) CHLOROETHANE	4.997	64	2411	0.15	PPBV #	66
10) TRICHLOROFLUOROMETHANE	5.788	101	25044	0.18	PPBV	100
11) ISOPROPYL ALCOHOL	5.845	45	8407	0.16	PPBV	89
12) ACETONE	5.615	43	14947	0.27	PPBV	96
13) PENTANE	6.140	42	6981	0.18	PPBV	91
14) 1,1-DICHLOROETHYLENE	6.424	96	6367	0.15	PPBV	89
15) CARBON DISULFIDE	6.853	76	23134	0.18	PPBV	83
16) ETHANOL	5.111	45	2551m	0.21	PPBV	
17) BROMOETHENE	5.368	106	5320	0.13	PPBV	96
18) METHYLENE CHLORIDE	6.530	84	21943	0.20	PPBV	98
19) 3-CHLOROPROPENE	6.660	39	5017	0.15	PPBV #	56
20) FREON 113	6.797	151	14562	0.17	PPBV	96
21) TRANS-1,2-DICHLOROETHY...	7.469	96	6089	0.15	PPBV #	59
22) TERTIARY BUTYL ALCOHOL	6.465	59	9431	0.14	PPBV	82
23) METHYL TERTIARY BUTYL ...	7.718	73	9297	0.12	PPBV #	62
24) TETRAHYDROFURAN	9.162	42	1492	0.06	PPBV #	50
25) HEXANE	8.660	57	7136	0.13	PPBV #	70
26) VINYL ACETATE	7.792	43	7251	0.12	PPBV #	56
27) 1,1-DICHLOROETHANE	7.657	63	11076	0.16	PPBV #	53
28) METHYL ETHYL KETONE	8.053	43	6152	0.11	PPBV	95
29) cis-1,2-DICHLOROETHYLENE	8.463	96	2908	0.08	PPBV #	89
30) ETHYL ACETATE	8.669	43	11712	0.13	PPBV #	95
31) CHLOROFORM	8.749	83	15114	0.16	PPBV	95
32) 1,1,1-TRICHLOROETHANE	9.702	97	13534	0.15	PPBV	98
33) CARBON TETRACHLORIDE	10.280	117	16579	0.15	PPBV	97
34) 1,2-DICHLOROETHANE	9.459	62	6370	0.12	PPBV	91
36) BENZENE	10.137	78	8238	0.09	PPBV	95
37) CYCLOHEXANE	10.410	84	2821	0.07	PPBV #	85
38) TRICHLOROETHYLENE	11.138	95	5455	0.11	PPBV	92
39) 1,2-DICHLOROPROPANE	10.921	63	3749	0.12	PPBV	93
40) BROMODICHLOROMETHANE	11.099	83	11611	0.13	PPBV	97
41) 2,2,4-TRIMETHYLPENTANE	11.161	57	11923	0.08	PPBV #	88
42) 1,4-DIOXANE	11.161	88	736	0.05	PPBV #	1
43) HEPTANE	11.391	43	3913	0.08	PPBV	85

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4481.D
Acq On : 4 Sep 2007 12:19 pm
Operator : danat
Sample : ic235-0.2 (M174)
Misc : MS14204, MSQ235,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 04 13:20:07 2007
Quant Method : C:\msdchem\1\METHODS\Q090407T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Sep 04 12:02:40 2007
Response via : Initial Calibration

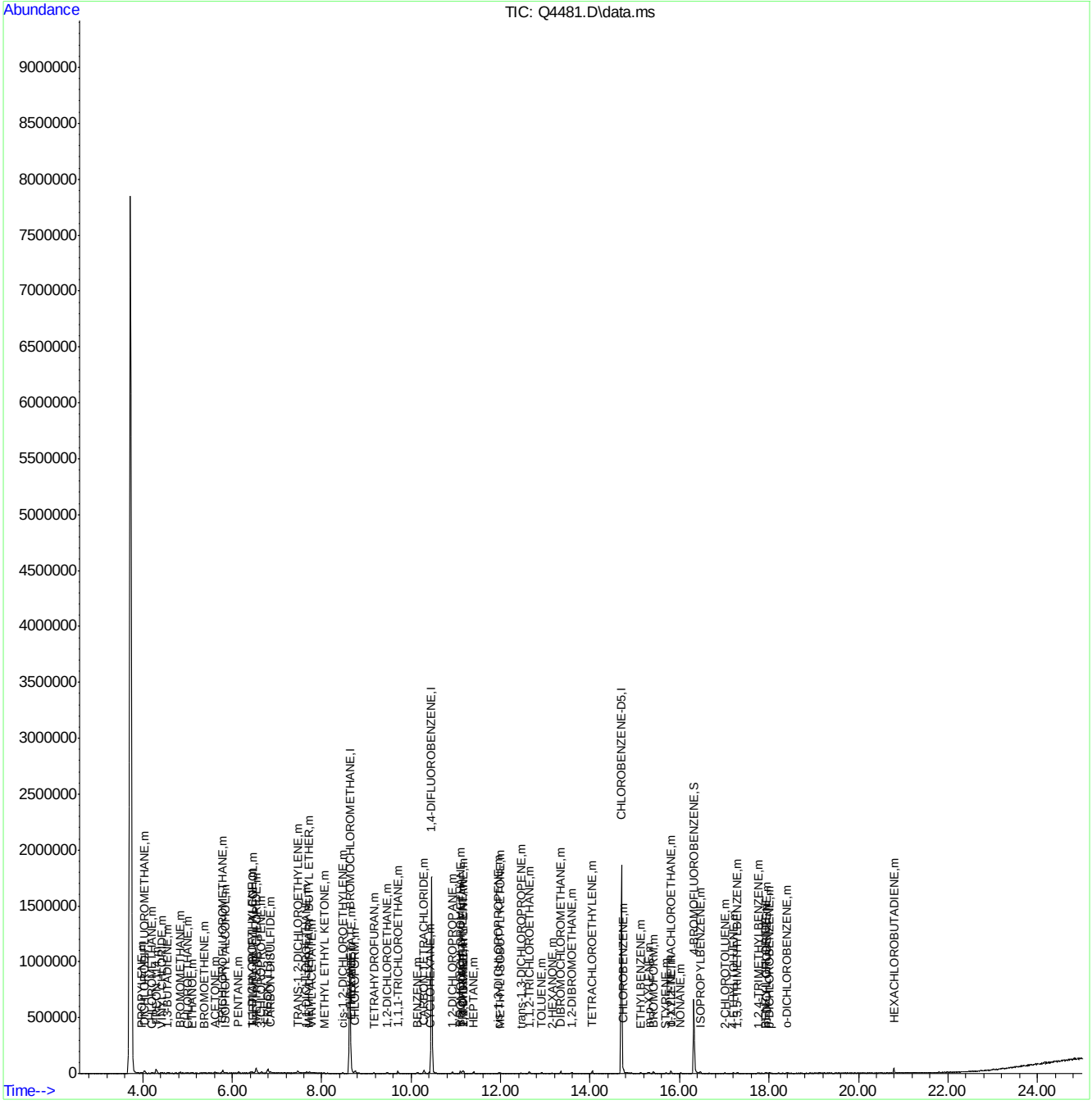
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) METHYL ISOBUTYL KETONE	11.991	43	4125	0.07	PPBV	#	65
45) cis-1,3-DICHLOROPROPENE	11.959	75	3121	0.07	PPBV	#	65
46) TOLUENE	12.914	92	3827	0.07	PPBV	#	82
47) trans-1,3-DICHLOROPROPENE	12.451	75	2607	0.07	PPBV		83
48) 1,1,2-TRICHLOROETHANE	12.636	83	3744	0.12	PPBV		88
50) 2-HEXANONE	13.148	43	2991m	0.07	PPBV		
51) TETRACHLOROETHYLENE	14.046	164	4580	0.11	PPBV		97
52) DIBROMOCHLOROMETHANE	13.344	129	8902	0.13	PPBV		98
53) 1,2-DIBROMOETHANE	13.589	107	5183	0.11	PPBV	#	95
54) CHLOROBENZENE	14.740	112	9716	0.13	PPBV		97
55) ETHYLBENZENE	15.124	91	6040	0.06	PPBV		93
56) m,p-XYLENE	15.315	106	4121m	0.11	PPBV		
57) o-XYLENE	15.814	106	1881	0.05	PPBV		95
58) STYRENE	15.702	104	2071	0.04	PPBV	#	39
59) NONANE	16.018	43	2952	0.05	PPBV	#	74
60) BROMOFORM	15.415	173	6696	0.11	PPBV		96
62) 1,1,2,2-TETRACHLOROETHANE	15.805	83	9413	0.14	PPBV		90
63) ISOPROPYLBENZENE	16.460	105	8023	0.07	PPBV		93
64) 2-CHLOROTOLUENE	17.012	91	4311	0.05	PPBV		91
65) 4-ETHYLTOLUENE	17.204	105	4023m	0.04	PPBV		
66) 1,3,5-TRIMETHYLBENZENE	17.291	105	3798	0.04	PPBV		97
67) 1,2,4-TRIMETHYLBENZENE	17.750	105	3206	0.04	PPBV		72
68) m-DICHLOROBENZENE	17.939	146	3596	0.06	PPBV		88
69) BENZYL CHLORIDE	17.915	91	2899	0.05	PPBV	#	65
70) p-DICHLOROBENZENE	18.010	146	3082	0.06	PPBV		94
71) o-DICHLOROBENZENE	18.393	146	3180	0.06	PPBV		96
72) HEXACHLOROBUTADIENE	20.792	225	7200	0.18	PPBV		96

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4481.D
Acq On : 4 Sep 2007 12:19 pm
Operator : danat
Sample : ic235-0.2 (M174)
Misc : MS14204, MSQ235,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 04 13:20:07 2007
Quant Method : C:\msdchem\1\METHODS\Q090407T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Sep 04 12:02:40 2007
Response via : Initial Calibration

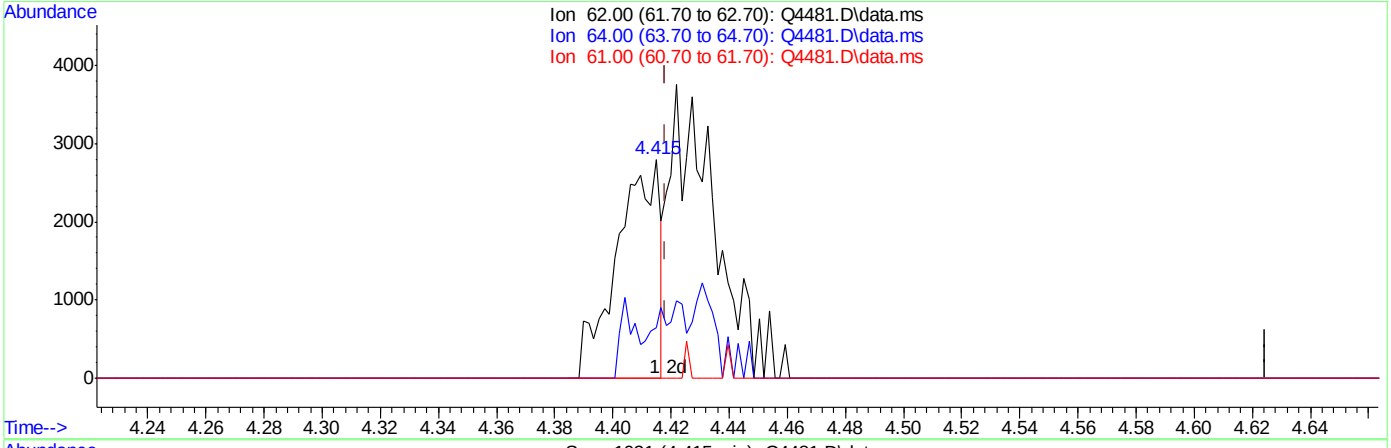


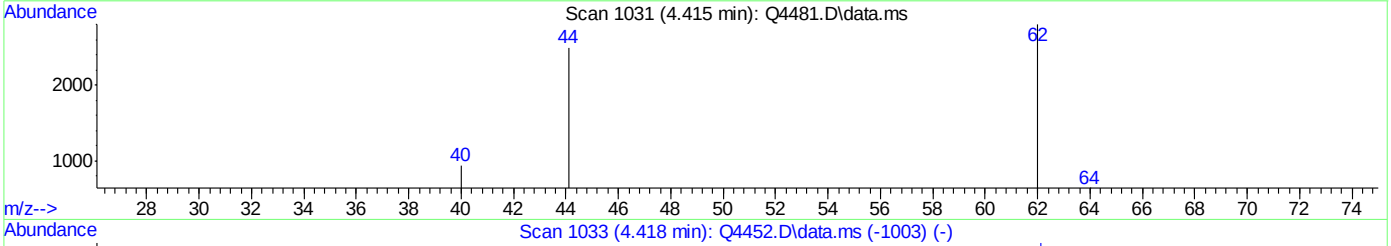
ACCUTEST Laboratories M67337

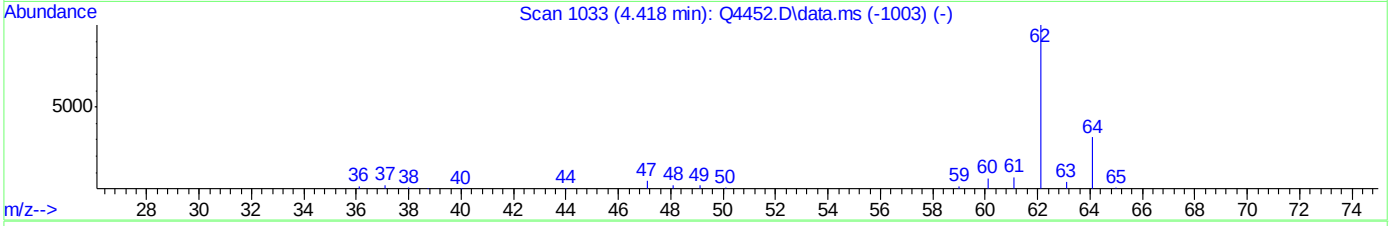
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4481.D
Acq On : 4 Sep 2007 12:19 pm
Operator : danat
Sample : ic235-0.2 (M174)
Misc : MS14204, MSQ235,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 04 13:17:11 2007
Quant Method : C:\msdchem\1\METHODS\Q090407T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Sep 04 12:02:40 2007
Response via : Initial Calibration







TIC: Q4481.D\data.ms

(6) VINYL CHLORIDE (m)

4.415min (-0.004) 0.07PPBV

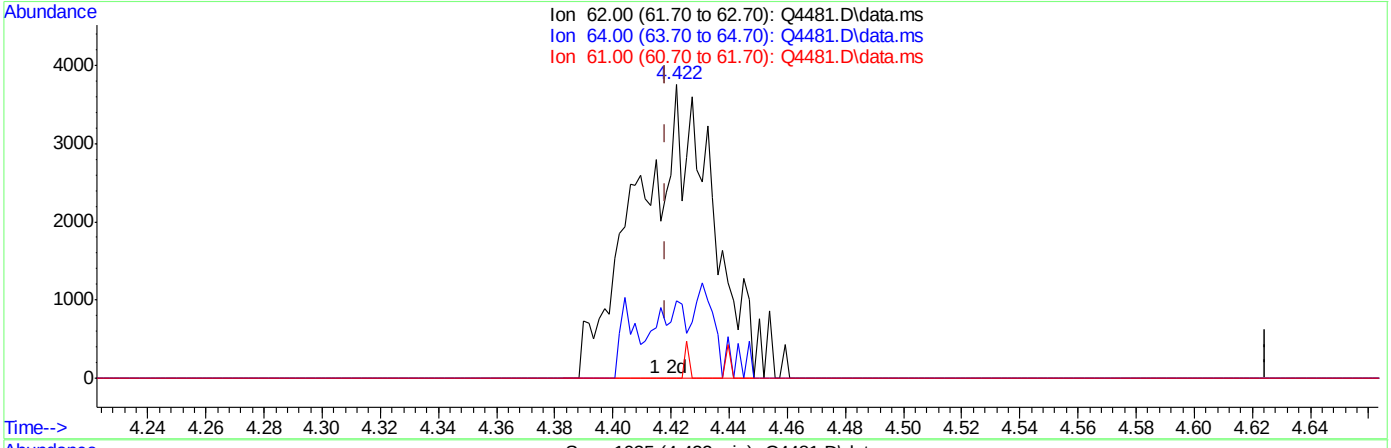
response 2827

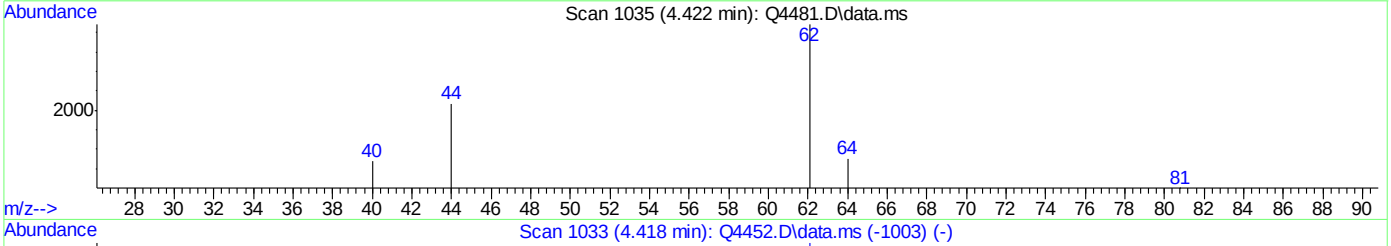
Ion	Exp%	Act%
62.00	100	100
64.00	31.10	0.00#
61.00	8.80	0.00
0.00	0.00	0.00

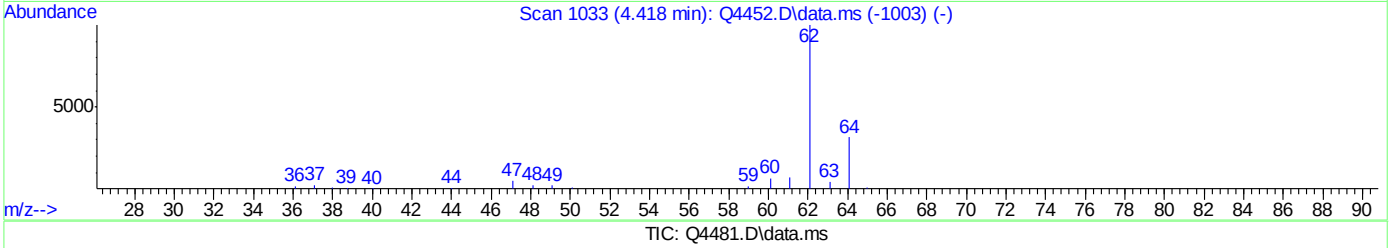
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4481.D
Acq On : 4 Sep 2007 12:19 pm
Operator : danat
Sample : ic235-0.2 (M174)
Misc : MS14204, MSQ235,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 04 13:17:11 2007
Quant Method : C:\msdchem\1\METHODS\Q090407T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Sep 04 12:02:40 2007
Response via : Initial Calibration







TIC: Q4481.D\data.ms

(6) VINYL CHLORIDE (m)

4.422min (+0.004) 0.17PPBV m

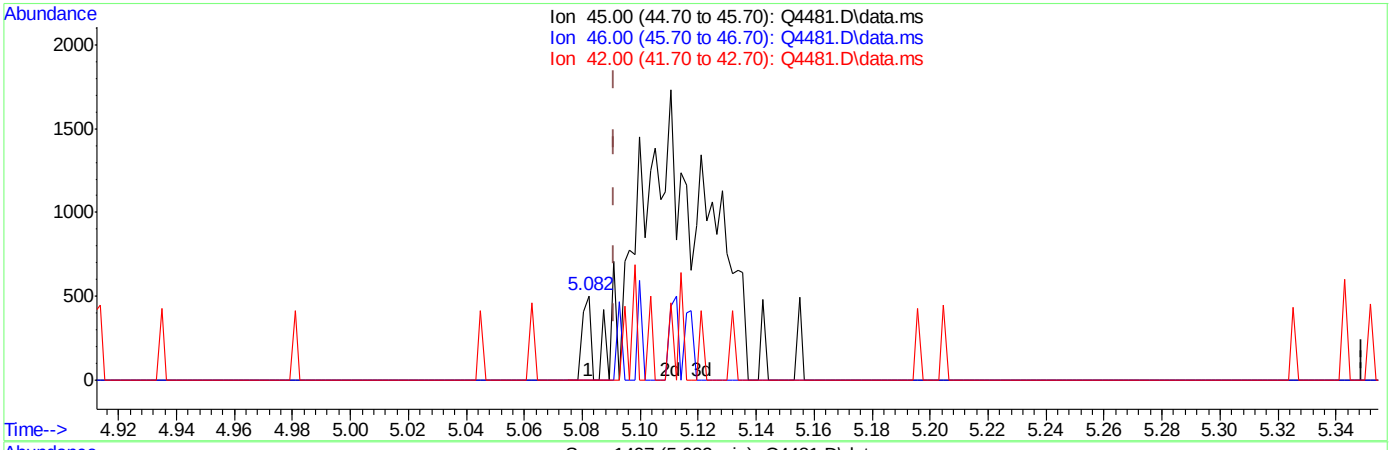
response 6682

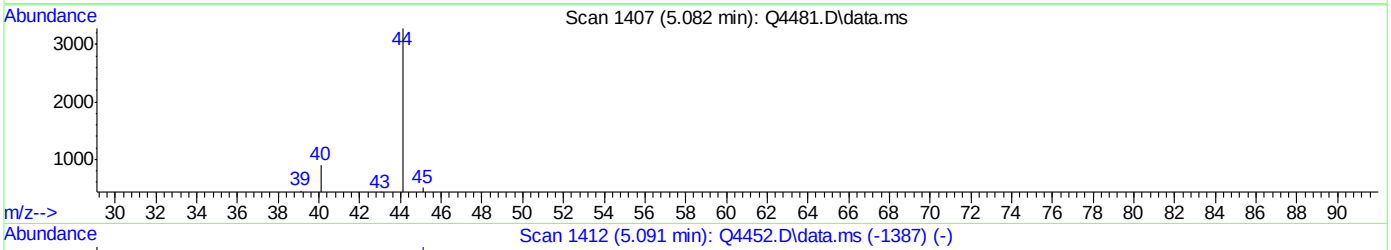
Ion	Exp%	Act%
62.00	100	100
64.00	31.10	0.00#
61.00	8.80	0.00
0.00	0.00	0.00

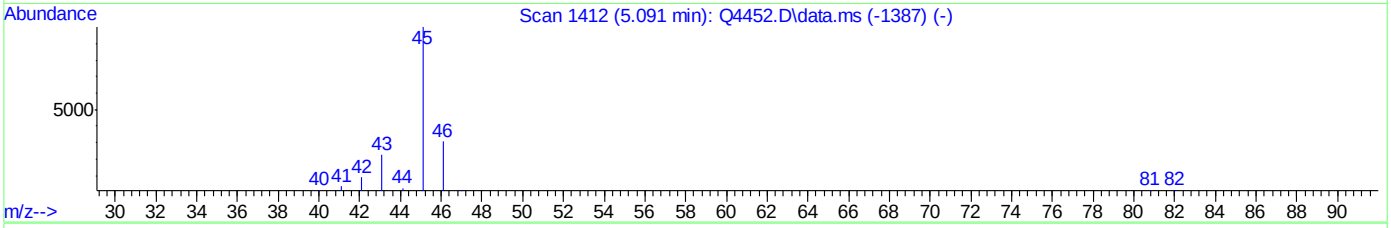
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4481.D
Acq On : 4 Sep 2007 12:19 pm
Operator : danat
Sample : ic235-0.2 (M174)
Misc : MS14204, MSQ235,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 04 13:17:11 2007
Quant Method : C:\msdchem\1\METHODS\Q090407T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Sep 04 12:02:40 2007
Response via : Initial Calibration







TIC: Q4481.D\data.ms

(16) ETHANOL (m)

5.082min (-0.009) 0.01PPBV

response 142

Ion	Exp%	Act%
45.00	100	100
46.00	32.30	35.21
42.00	10.40	202.82#
0.00	0.00	0.00

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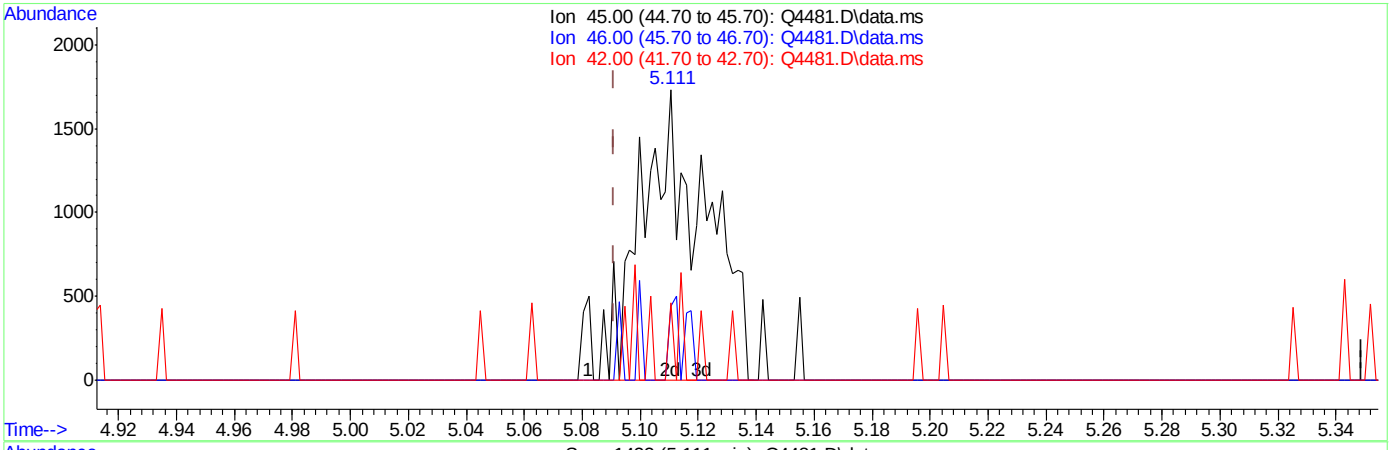
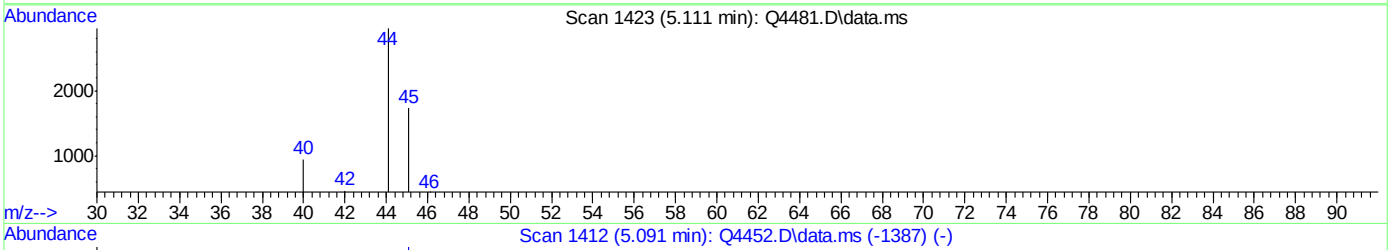
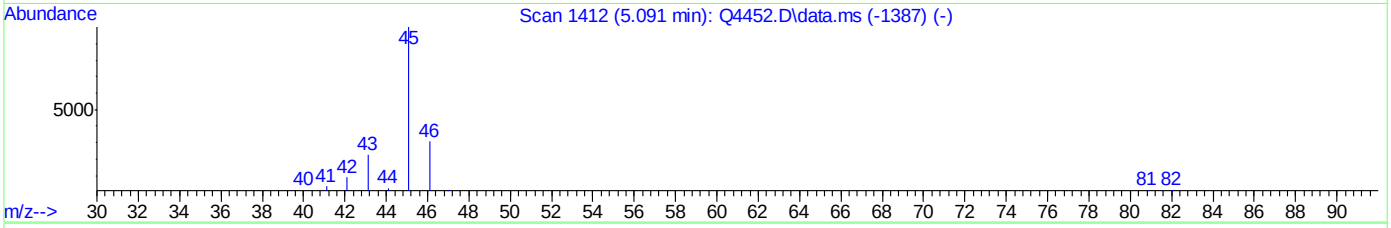
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4481.D
Acq On : 4 Sep 2007 12:19 pm
Operator : danat
Sample : ic235-0.2 (M174)
Misc : MS14204, MSQ235,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 04 13:17:11 2007
Quant Method : C:\msdchem\1\METHODS\Q090407T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Sep 04 12:02:40 2007
Response via : Initial Calibration







TIC: Q4481.D\data.ms

(16) ETHANOL (m)

5.111min (+0.019) 0.21PPBV m

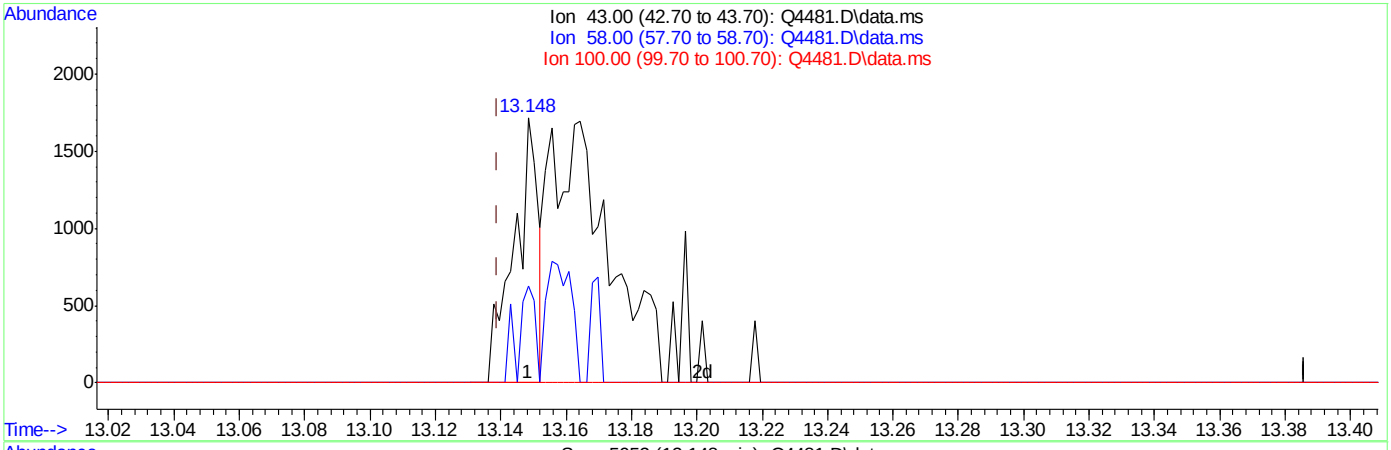
response 2551

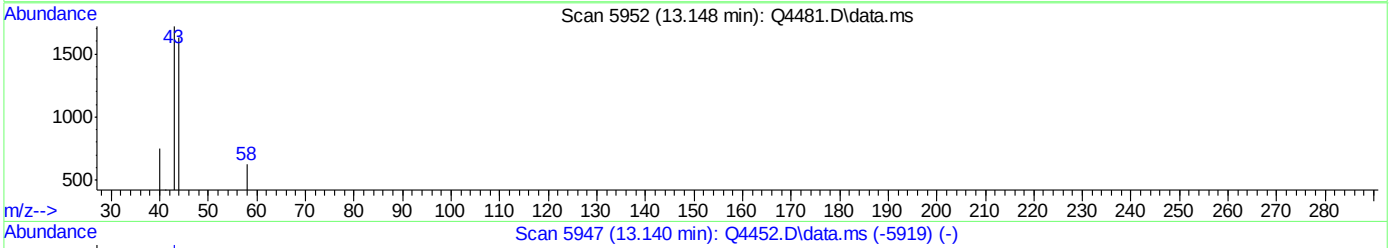
Ion	Exp%	Act%
45.00	100	100
46.00	32.30	1.96#
42.00	10.40	11.29
0.00	0.00	0.00

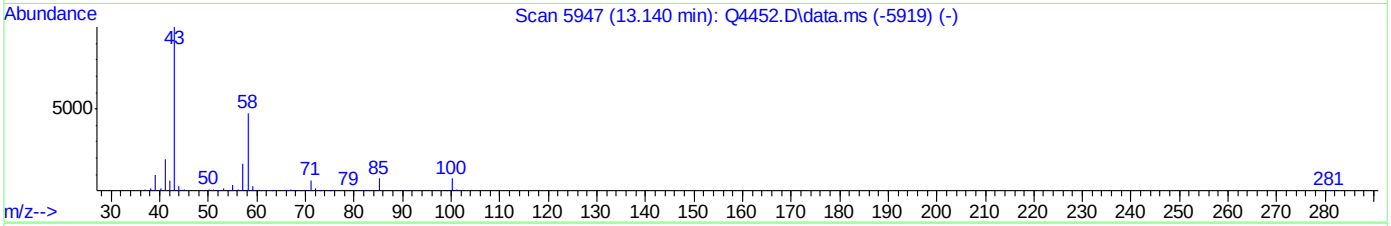
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4481.D
Acq On : 4 Sep 2007 12:19 pm
Operator : danat
Sample : ic235-0.2 (M174)
Misc : MS14204, MSQ235,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 04 13:17:11 2007
Quant Method : C:\msdchem\1\METHODS\Q090407T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Sep 04 12:02:40 2007
Response via : Initial Calibration







TIC: Q4481.D\data.ms

(50) 2-HEXANONE (m)

13.148min (+0.009) 0.02PPBV

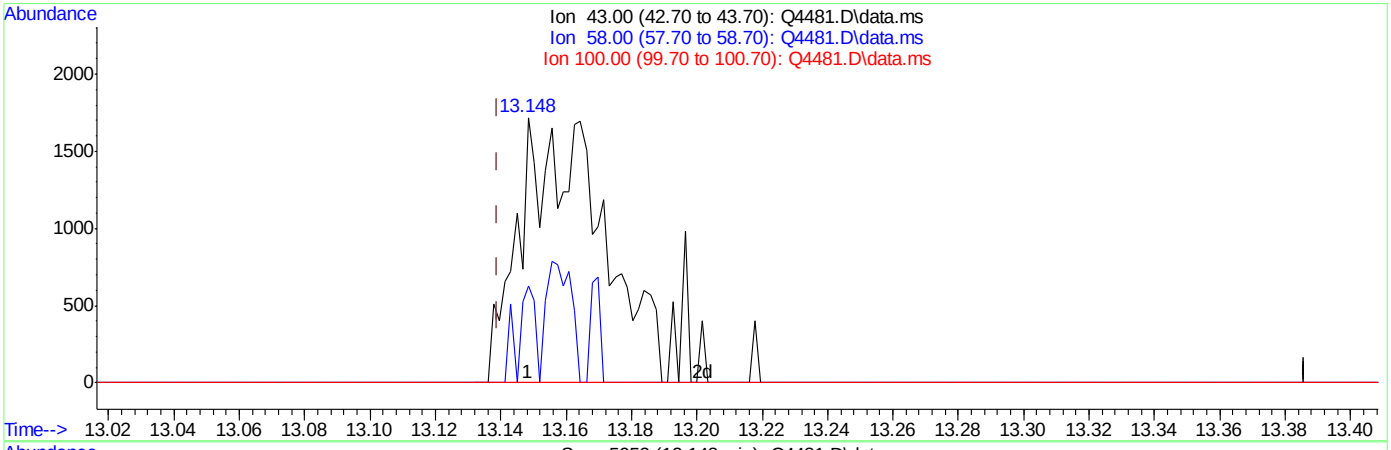
response 882

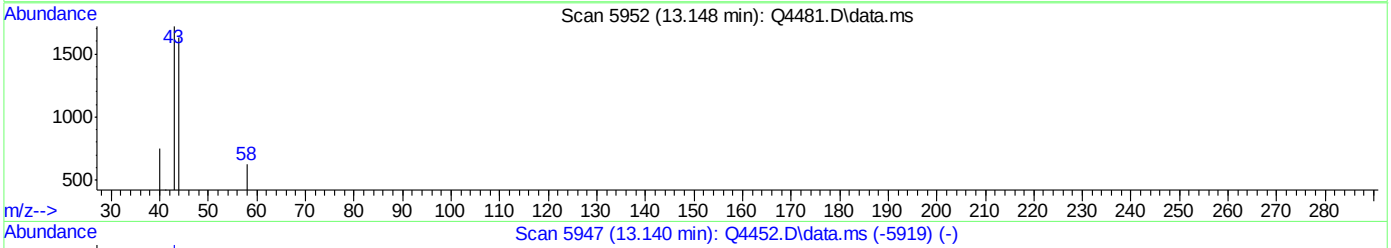
Ion	Exp%	Act%
43.00	100	100
58.00	49.20	73.70#
100.00	7.80	0.00
0.00	0.00	0.00

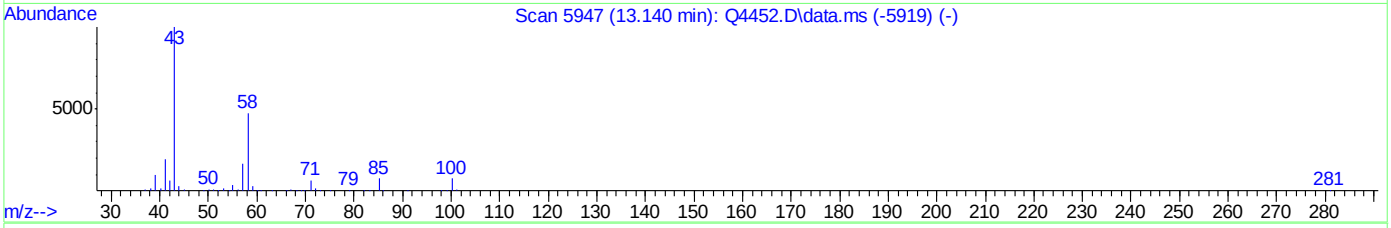
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4481.D
Acq On : 4 Sep 2007 12:19 pm
Operator : danat
Sample : ic235-0.2 (M174)
Misc : MS14204, MSQ235,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 04 13:17:11 2007
Quant Method : C:\msdchem\1\METHODS\Q090407T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Sep 04 12:02:40 2007
Response via : Initial Calibration







TIC: Q4481.D\data.ms

(50) 2-HEXANONE (m)

13.148min (+0.009) 0.07PPBV m

response 2991

Ion	Exp%	Act%
43.00	100	100
58.00	49.20	21.73#
100.00	7.80	0.00
0.00	0.00	0.00

ACCUTEST Laboratories M67337

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q4481.D
Acq On    :  4 Sep 2007  12:19 pm
Operator  : danat
Sample    : ic235-0.2 (M174)
Misc      : MS14204, MSQ235,,,,,1
ALS Vial  : 1   Sample Multiplier: 1

Quant Time: Sep 04 13:17:11 2007
Quant Method : C:\msdchem\1\METHODS\Q090407T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Sep 04 12:02:40 2007
Response via : Initial Calibration
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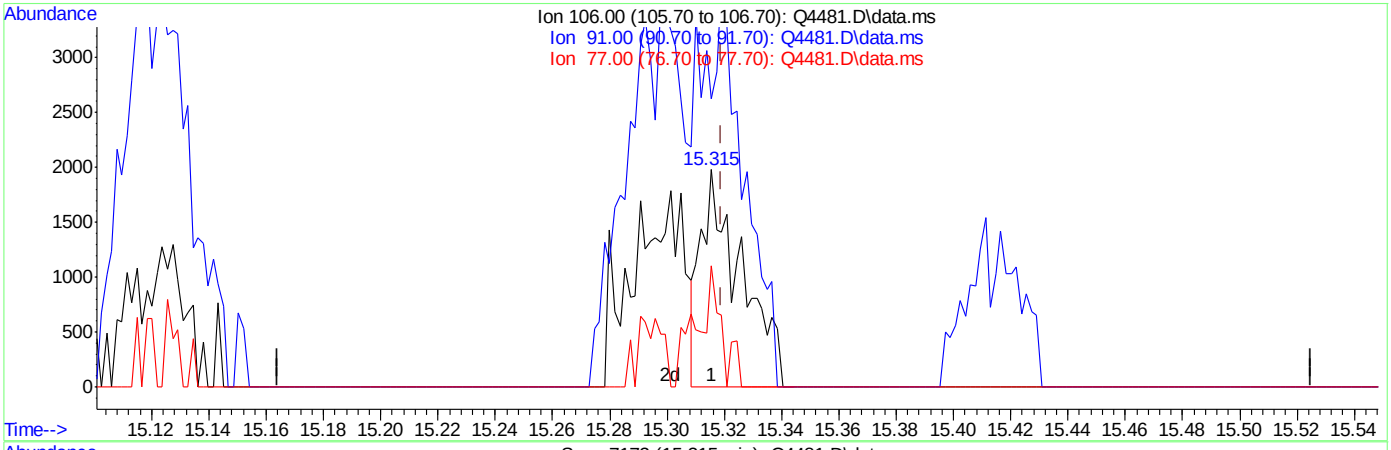
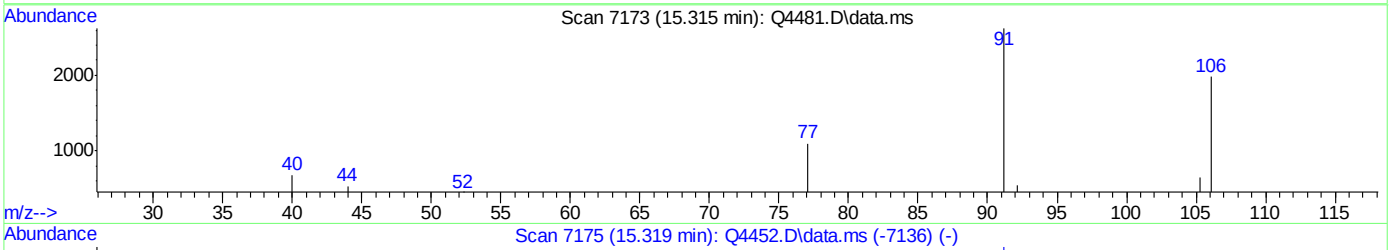
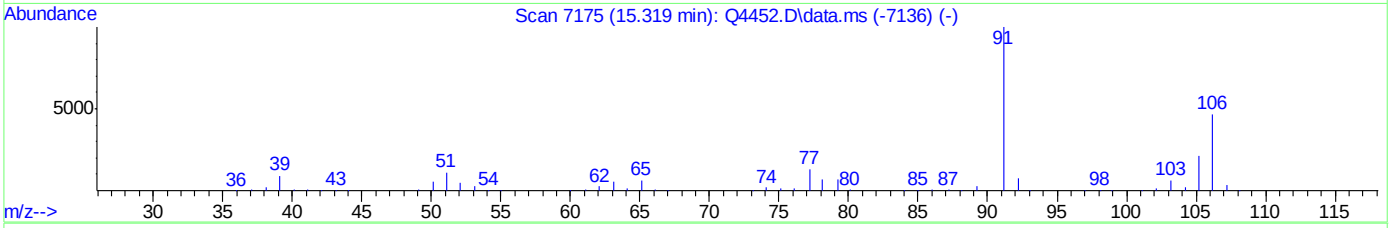






TIC: Q4481.D\data.ms

(56) m,p-XYLENE (m)

15.315min (-0.004) 0.05PPBV

response 1939

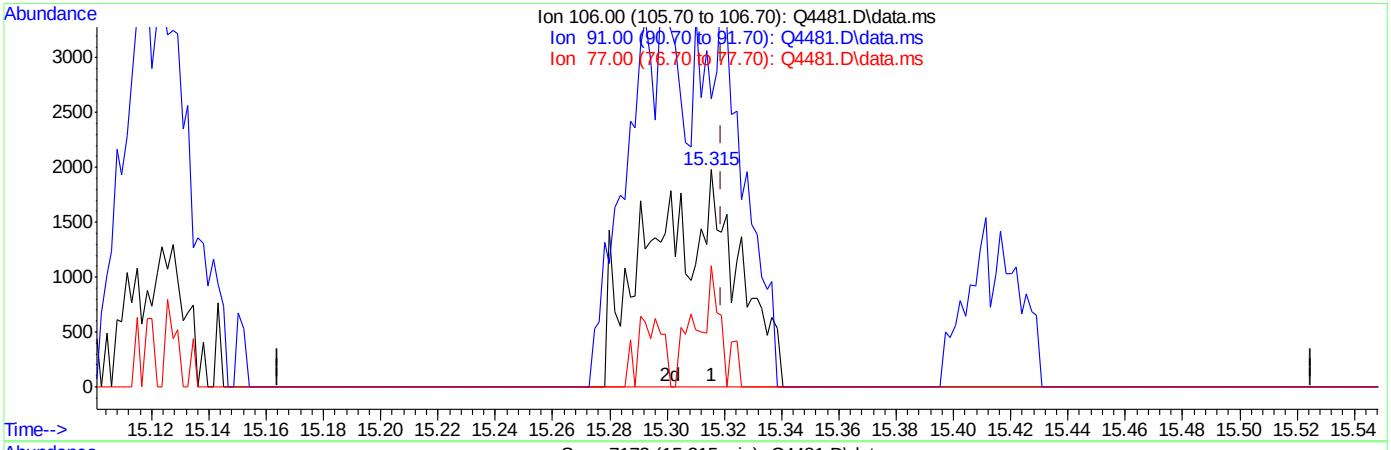
Ion	Exp%	Act%
106.00	100	100
91.00	214.00	132.49#
77.00	28.30	55.63#
0.00	0.00	0.00

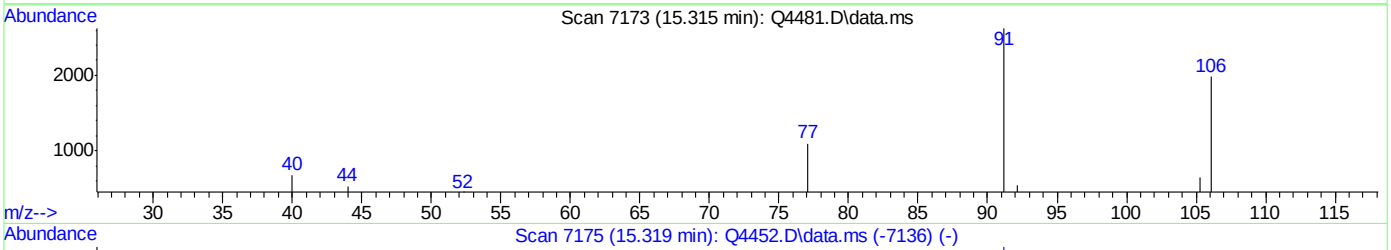
ACCUTEST Laboratories M67337

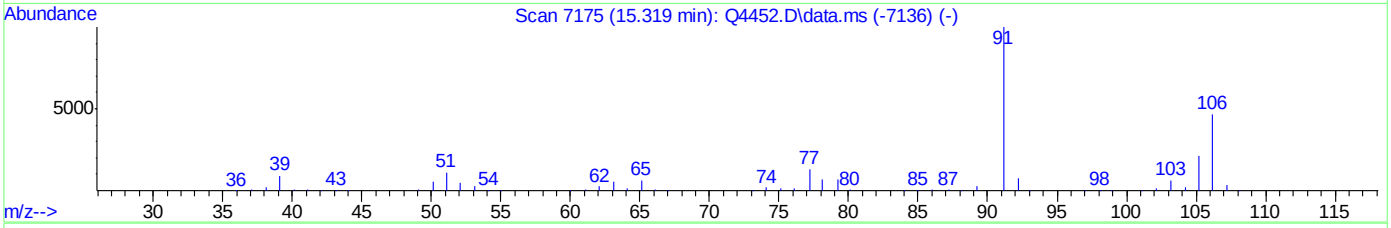
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4481.D
Acq On : 4 Sep 2007 12:19 pm
Operator : danat
Sample : ic235-0.2 (M174)
Misc : MS14204, MSQ235,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 04 13:17:11 2007
Quant Method : C:\msdchem\1\METHODS\Q090407T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Sep 04 12:02:40 2007
Response via : Initial Calibration







TIC: Q4481.D\data.ms

(56) m,p-XYLENE (m)

15.315min (-0.004) 0.11PPBV m

response 4121

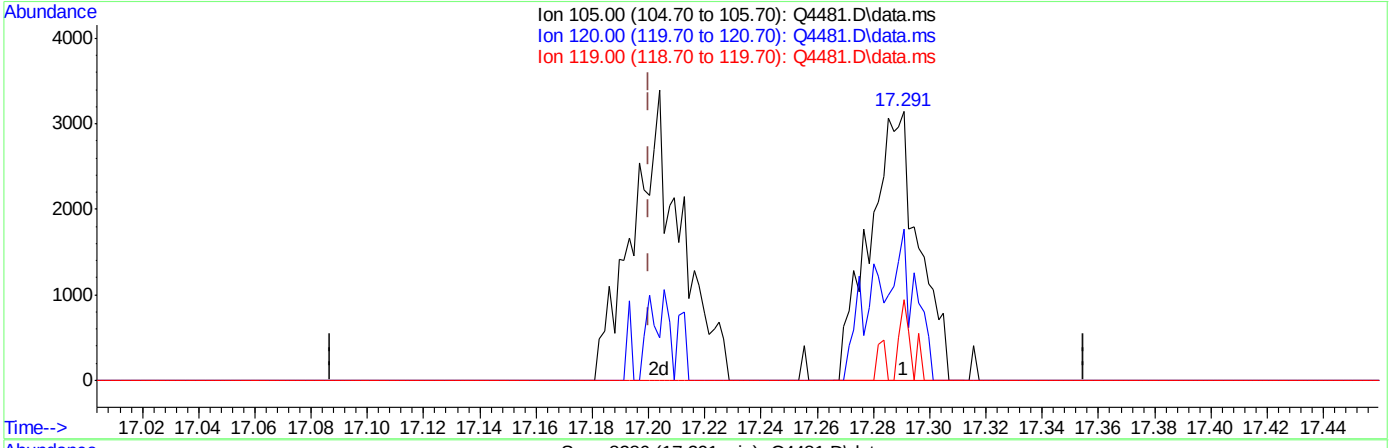
Ion	Exp%	Act%
106.00	100	100
91.00	214.00	132.49#
77.00	28.30	55.63#
0.00	0.00	0.00

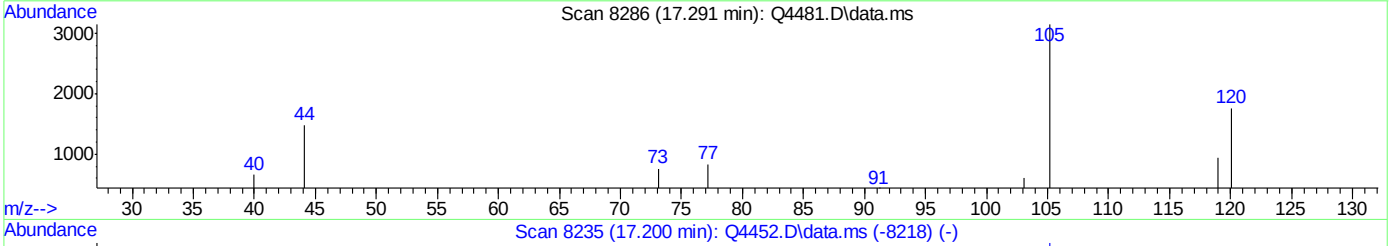
ACCUTEST Laboratories M67337

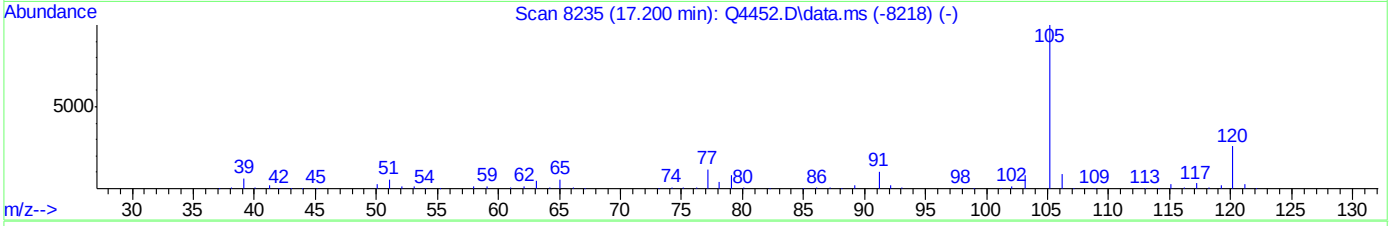
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4481.D
Acq On : 4 Sep 2007 12:19 pm
Operator : danat
Sample : ic235-0.2 (M174)
Misc : MS14204, MSQ235,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 04 13:17:11 2007
Quant Method : C:\msdchem\1\METHODS\Q090407T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Sep 04 12:02:40 2007
Response via : Initial Calibration







TIC: Q4481.D\data.ms

(65) 4-ETHYLTOLUENE (m)

17.291min (+0.091) 0.04PPBV

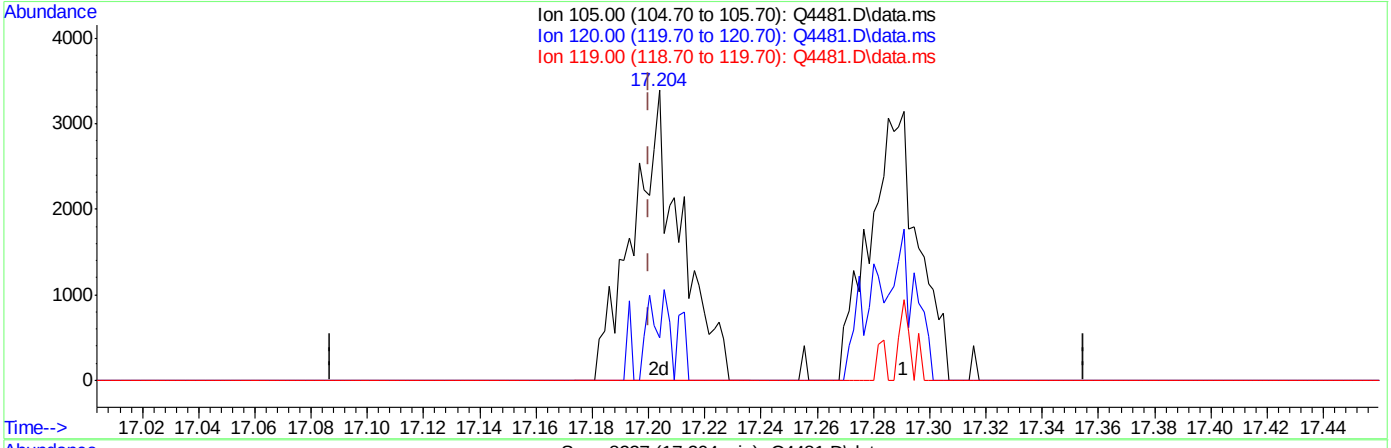
response 3798

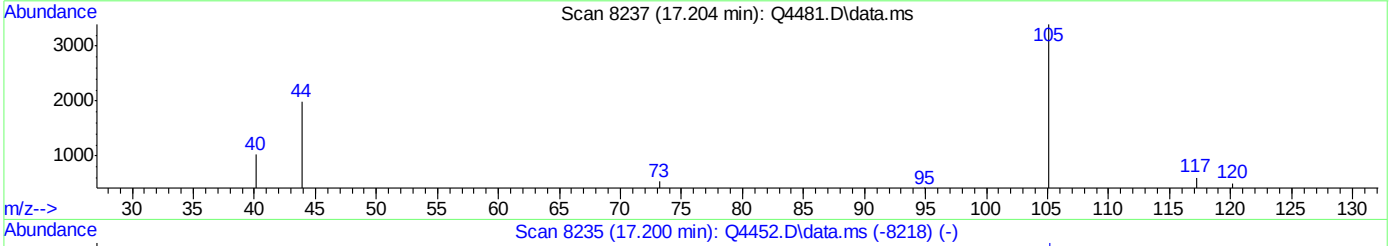
Ion	Exp%	Act%
105.00	100	100
120.00	28.20	45.97
119.00	2.30	9.69
0.00	0.00	0.00

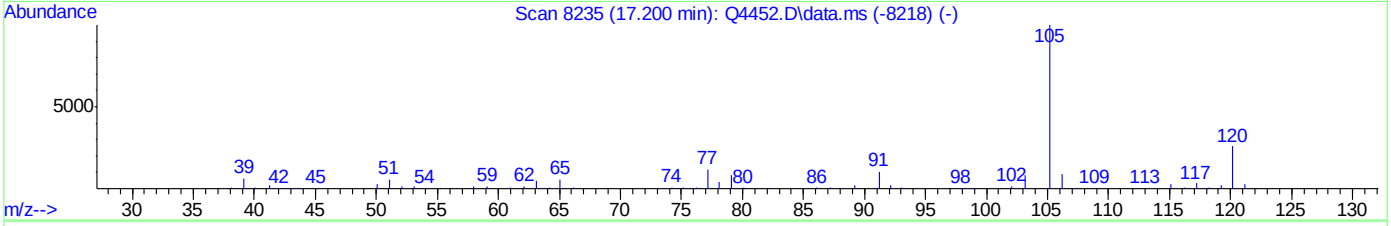
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4481.D
Acq On : 4 Sep 2007 12:19 pm
Operator : danat
Sample : ic235-0.2 (M174)
Misc : MS14204, MSQ235,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 04 13:17:11 2007
Quant Method : C:\msdchem\1\METHODS\Q090407T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Sep 04 12:02:40 2007
Response via : Initial Calibration







TIC: Q4481.D\data.ms

(65) 4-ETHYLTOLUENE (m)

17.204min (+0.004) 0.04PPBV m

response 4023

Ion	Exp%	Act%
105.00	100	100
120.00	28.20	43.40
119.00	2.30	9.15
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
09/05/07 15:05

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4482.D
Acq On : 4 Sep 2007 1:01 pm
Operator : danat
Sample : ic235-40 (M112)
Misc : MS14204, MSQ235,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 04 13:46:44 2007
Quant Method : C:\msdchem\1\METHODS\Q090407T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Sep 04 12:02:40 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.630	128	293673	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.456	114	1408392	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.700	117	1134947	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.318	95	389396	5.09	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 101.80%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.035	85	4987705	31.62	PPBV	99
3) PROPYLENE	3.964	41	1013462	35.80	PPBV	97
4) FREON 114	4.296	85	4822854	33.62	PPBV	96
5) CHLOROMETHANE	4.200	50	1244014	35.50	PPBV	95
6) VINYL CHLORIDE	4.420	62	1447057	33.87	PPBV	99
7) 1,3-BUTADIENE	4.557	39	1128399	38.63	PPBV	97
8) BROMOMETHANE	4.832	94	1535313	32.30	PPBV	98
9) CHLOROETHANE	5.006	64	676487	38.50	PPBV	99
10) TRICHLOROFLUOROMETHANE	5.785	101	4699982	30.42	PPBV	100
11) ISOPROPYL ALCOHOL	5.820	45	1978165	34.11	PPBV	96
12) ACETONE	5.590	43	1924757	31.29	PPBV	99
13) PENTANE	6.140	42	1435837	33.46	PPBV	98
14) 1,1-DICHLOROETHYLENE	6.419	96	1459394	30.97	PPBV	97
15) CARBON DISULFIDE	6.850	76	4347849	31.15	PPBV	98
16) ETHANOL	5.091	45	474954	35.64	PPBV	100
17) BROMOETHENE	5.366	106	1437572	32.41	PPBV	100
18) METHYLENE CHLORIDE	6.536	84	1404176	11.91	PPBV	97
19) 3-CHLOROPROPENE	6.655	39	1433018	39.09	PPBV	97
20) FREON 113	6.793	151	2729034	29.64	PPBV	99
21) TRANS-1,2-DICHLOROETHY...	7.462	96	1464192	32.05	PPBV	98
22) TERTIARY BUTYL ALCOHOL	6.426	59	969907	13.50	PPBV	98
23) METHYL TERTIARY BUTYL ...	7.702	73	3273701	38.02	PPBV	98
24) TETRAHYDROFURAN	9.129	42	1243103	47.74	PPBV	99
25) HEXANE	8.664	57	2062148	35.04	PPBV	99
26) VINYL ACETATE	7.783	43	2879673	42.96	PPBV	99
27) 1,1-DICHLOROETHANE	7.659	63	2930815	38.57	PPBV	100
28) METHYL ETHYL KETONE	8.025	43	2427109	40.20	PPBV	98
29) cis-1,2-DICHLOROETHYLENE	8.465	96	1497507	39.86	PPBV	98
30) ETHYL ACETATE	8.658	43	3806861	38.68	PPBV	100
31) CHLOROFORM	8.751	83	3636653	36.26	PPBV	98
32) 1,1,1-TRICHLOROETHANE	9.702	97	3687189	36.89	PPBV	99
33) CARBON TETRACHLORIDE	10.286	117	4090358	33.66	PPBV	100
34) 1,2-DICHLOROETHANE	9.457	62	2323434	39.60	PPBV	100
36) BENZENE	10.144	78	4470431	41.46	PPBV	99
37) CYCLOHEXANE	10.408	84	1840942	38.43	PPBV	97
38) TRICHLOROETHYLENE	11.141	95	2256523	37.71	PPBV	99
39) 1,2-DICHLOROPROPANE	10.918	63	1563077	41.85	PPBV	99
40) BROMODICHLOROMETHANE	11.104	83	4033434	38.50	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.164	57	7387763	41.94	PPBV	100
42) 1,4-DIOXANE	11.125	88	821908	43.97	PPBV	94
43) HEPTANE	11.402	43	2690742	47.60	PPBV	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4482.D
Acq On : 4 Sep 2007 1:01 pm
Operator : danat
Sample : ic235-40 (M112)
Misc : MS14204, MSQ235,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 04 13:46:44 2007
Quant Method : C:\msdchem\1\METHODS\Q090407T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Sep 04 12:02:40 2007
Response via : Initial Calibration

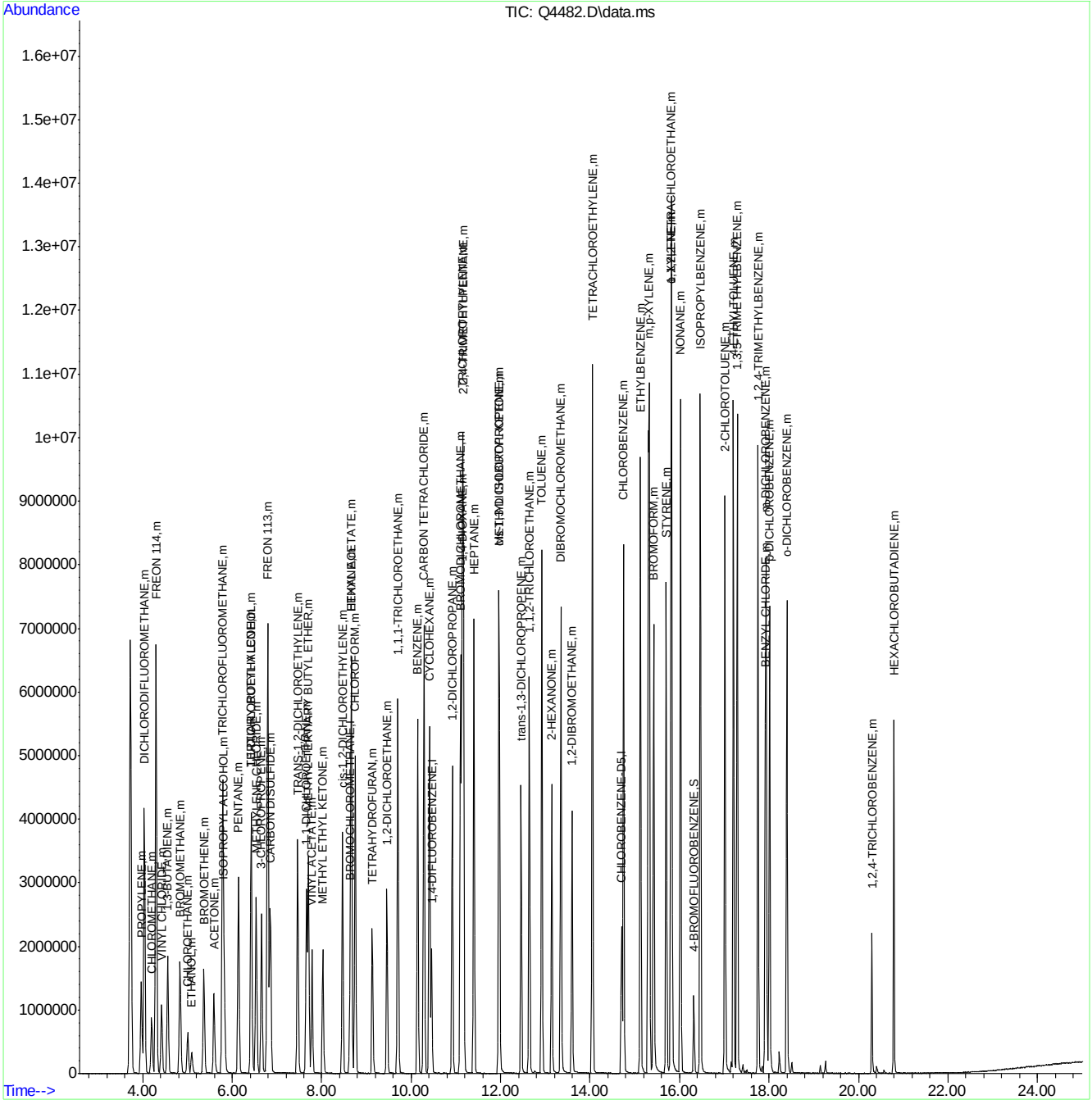
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.974	43	3201681	46.57 PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.956	75	2362262	45.55 PPBV	98
46) TOLUENE	12.920	92	3163695	46.12 PPBV	98
47) trans-1,3-DICHLOROPROPENE	12.456	75	2165897	45.49 PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.643	83	1589236	40.63 PPBV	100
50) 2-HEXANONE	13.141	43	2873339	51.75 PPBV	99
51) TETRACHLOROETHYLENE	14.052	164	2239020	39.53 PPBV	99
52) DIBROMOCHLOROMETHANE	13.347	129	3749305	40.34 PPBV	100
53) 1,2-DIBROMOETHANE	13.596	107	2609328	40.98 PPBV	99
54) CHLOROBENZENE	14.746	112	4113242	40.87 PPBV	99
55) ETHYLBENZENE	15.126	91	6748198	51.43 PPBV	99
56) m,p-XYLENE	15.324	106	4981229	96.57 PPBV	99
57) o-XYLENE	15.821	106	2412568	47.36 PPBV	97
58) STYRENE	15.702	104	3518371	51.40 PPBV	99
59) NONANE	16.020	43	3819130	53.84 PPBV	100
60) BROMOFORM	15.422	173	3424229	42.36 PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.809	83	3675159	40.82 PPBV	98
63) ISOPROPYLBENZENE	16.466	105	7202074m	46.76 PPBV	
64) 2-CHLOROTOLUENE	17.014	91	4931371	45.89 PPBV	99
65) 4-ETHYLTOLUENE	17.204	105	6218725	48.31 PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.289	105	5470172	45.24 PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.754	105	5066824	48.47 PPBV	99
68) m-DICHLOROBENZENE	17.937	146	2938675	37.87 PPBV	99
69) BENZYL CHLORIDE	17.914	91	3357487	43.73 PPBV	99
70) p-DICHLOROBENZENE	18.011	146	2707188	36.81 PPBV	99
71) o-DICHLOROBENZENE	18.398	146	2688130	38.87 PPBV	100
72) HEXACHLOROBUTADIENE	20.791	225	862238	16.73 PPBV	100
73) 1,2,4-TRICHLOROBENZENE	20.301	180	569628	28.07 PPBV	96

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4482.D
Acq On : 4 Sep 2007 1:01 pm
Operator : danat
Sample : ic235-40 (M112)
Misc : MS14204, MSQ235,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 04 13:46:44 2007
Quant Method : C:\msdchem\1\METHODS\Q090407T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Sep 04 12:02:40 2007
Response via : Initial Calibration

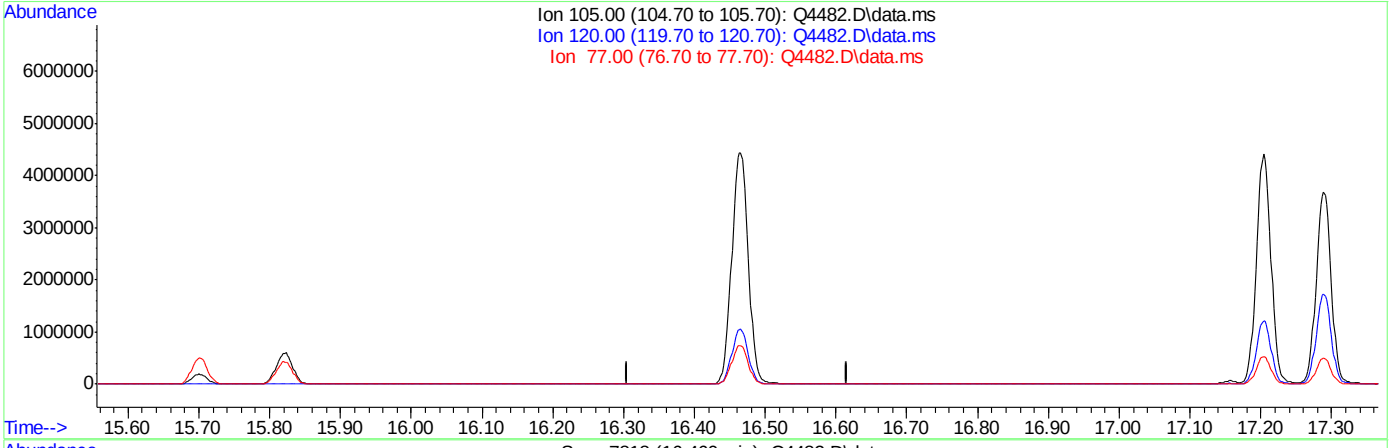


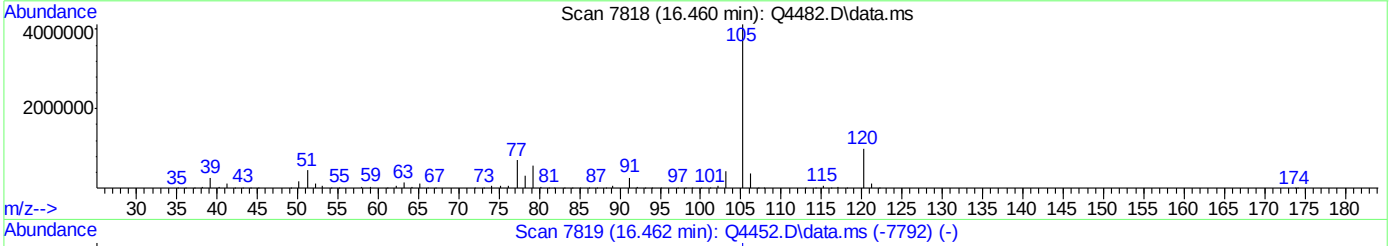
ACCUTEST Laboratories M67337

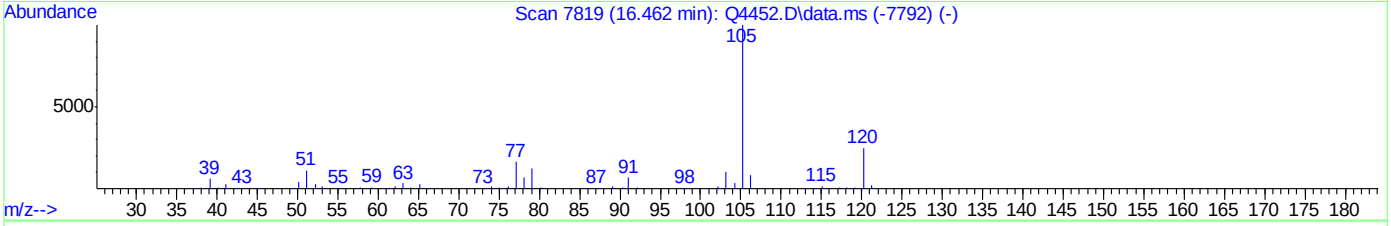
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4482.D
Acq On : 4 Sep 2007 1:01 pm
Operator : danat
Sample : ic235-40 (M112)
Misc : MS14204, MSQ235,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 04 13:45:37 2007
Quant Method : C:\msdchem\1\METHODS\Q090407T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Sep 04 12:02:40 2007
Response via : Initial Calibration







TIC: Q4482.D\data.ms

(63) ISOPROPYLBENZENE (m)

16.461min (-16.461) 0.00PPBV

response 0

Ion	Exp%	Act%
105.00	100	0.00
120.00	24.20	0.00#
77.00	17.10	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q4482.D
Acq On    :  4 Sep 2007   1:01 pm
Operator  : danat
Sample    : ic235-40 (M112)
Misc      : MS14204, MSQ235,,,,,1
ALS Vial  : 2   Sample Multiplier: 1

Quant Time: Sep 04 13:45:37 2007
Quant Method : C:\msdchem\1\METHODS\Q090407T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Sep 04 12:02:40 2007
Response via : Initial Calibration
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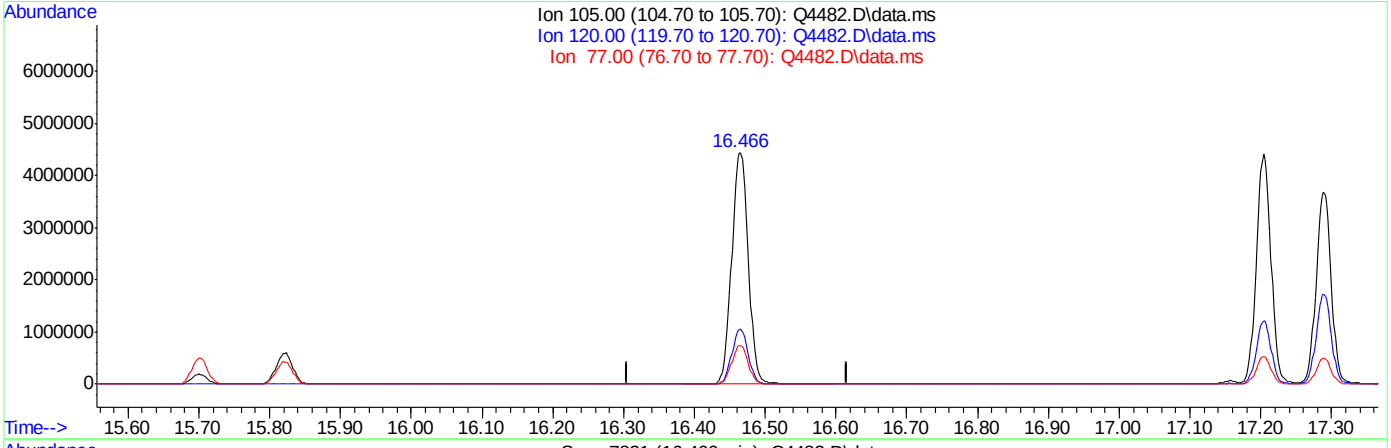
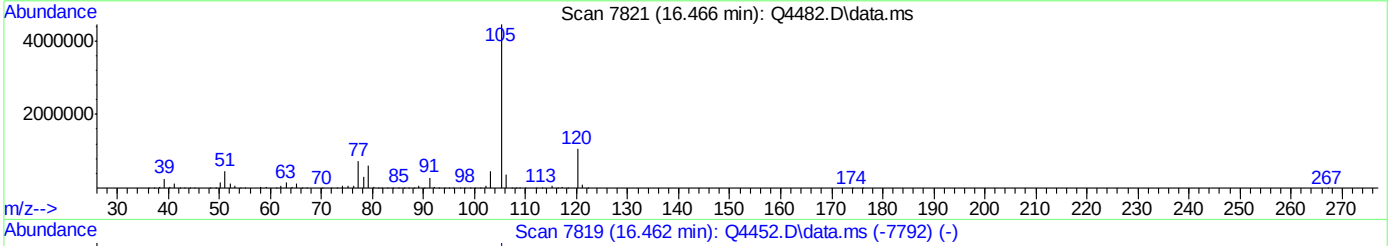
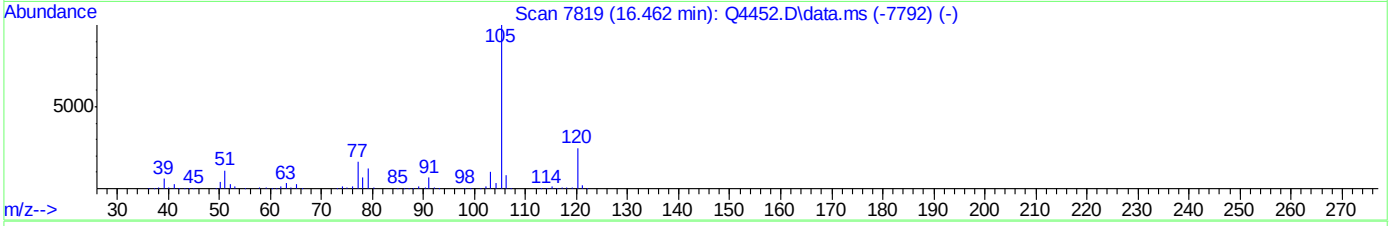






TIC: Q4482.D\data.ms

(63) ISOPROPYLBENZENE (m)

16.466min (+0.005) 46.76PPBV m

response 7202074

Ion	Exp%	Act%
105.00	100	100
120.00	24.20	0.00#
77.00	17.10	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
09/05/07 15:05

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4483.D
Acq On : 4 Sep 2007 1:44 pm
Operator : danat
Sample : ic235-20 (M112)
Misc : MS14204, MSQ235,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 04 14:21:27 2007
Quant Method : C:\msdchem\1\METHODS\Q090407T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Sep 04 12:02:40 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.624	128	270845	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.456	114	1339992	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.700	117	1069763	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.316	95	361650	5.01	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 100.20%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.035	85	1995918	13.72	PPBV	100
3) PROPYLENE	3.964	41	393690	15.08	PPBV	98
4) FREON 114	4.294	85	2029115	15.34	PPBV	96
5) CHLOROMETHANE	4.200	50	503626	15.58	PPBV	95
6) VINYL CHLORIDE	4.420	62	635189	16.12	PPBV	98
7) 1,3-BUTADIENE	4.555	39	480967	17.85	PPBV	98
8) BROMOMETHANE	4.828	94	709748	16.19	PPBV	99
9) CHLOROETHANE	5.006	64	322946	19.93	PPBV	99
10) TRICHLOROFLUOROMETHANE	5.783	101	2188070	15.35	PPBV	100
11) ISOPROPYL ALCOHOL	5.817	45	1071917	20.04	PPBV	99
12) ACETONE	5.590	43	931147	16.41	PPBV	99
13) PENTANE	6.136	42	711277	17.97	PPBV	100
14) 1,1-DICHLOROETHYLENE	6.418	96	714331	16.43	PPBV	99
15) CARBON DISULFIDE	6.850	76	2032188	15.79	PPBV	99
16) ETHANOL	5.093	45	234226	19.06	PPBV	99
17) BROMOETHENE	5.362	106	671914	16.43	PPBV	99
18) METHYLENE CHLORIDE	6.534	84	632908	5.82	PPBV	97
19) 3-CHLOROPROPENE	6.653	39	722070	21.36	PPBV	97
20) FREON 113	6.793	151	1202855	14.16	PPBV	97
21) TRANS-1,2-DICHLOROETHY...	7.460	96	662382	15.72	PPBV	93
22) TERTIARY BUTYL ALCOHOL	6.420	59	1384537	20.89	PPBV	99
23) METHYL TERTIARY BUTYL ...	7.703	73	1518494	19.12	PPBV	98
24) TETRAHYDROFURAN	9.130	42	601852	25.06	PPBV	95
25) HEXANE	8.664	57	978990	18.04	PPBV	99
26) VINYL ACETATE	7.781	43	1295904	20.96	PPBV	98
27) 1,1-DICHLOROETHANE	7.659	63	1350088	19.26	PPBV	99
28) METHYL ETHYL KETONE	8.023	43	1179735	21.19	PPBV	99
29) cis-1,2-DICHLOROETHYLENE	8.465	96	644087	18.59	PPBV	96
30) ETHYL ACETATE	8.656	43	1857632	20.47	PPBV	100
31) CHLOROFORM	8.749	83	1633126	17.66	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.700	97	1606242	17.42	PPBV	99
33) CARBON TETRACHLORIDE	10.282	117	1812398	16.17	PPBV	100
34) 1,2-DICHLOROETHANE	9.455	62	1056908	19.53	PPBV	99
36) BENZENE	10.142	78	1795518	17.50	PPBV	98
37) CYCLOHEXANE	10.405	84	802227	17.60	PPBV	95
38) TRICHLOROETHYLENE	11.141	95	989858	17.39	PPBV	99
39) 1,2-DICHLOROPROPANE	10.916	63	682987	19.22	PPBV	98
40) BROMODICHLOROMETHANE	11.100	83	1741528	17.47	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.162	57	3382372	20.18	PPBV	100
42) 1,4-DIOXANE	11.125	88	358294	20.15	PPBV	94
43) HEPTANE	11.400	43	1194352	22.21	PPBV	95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4483.D
Acq On : 4 Sep 2007 1:44 pm
Operator : danat
Sample : ic235-20 (M112)
Misc : MS14204, MSQ235,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 04 14:21:27 2007
Quant Method : C:\msdchem\1\METHODS\Q090407T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Sep 04 12:02:40 2007
Response via : Initial Calibration

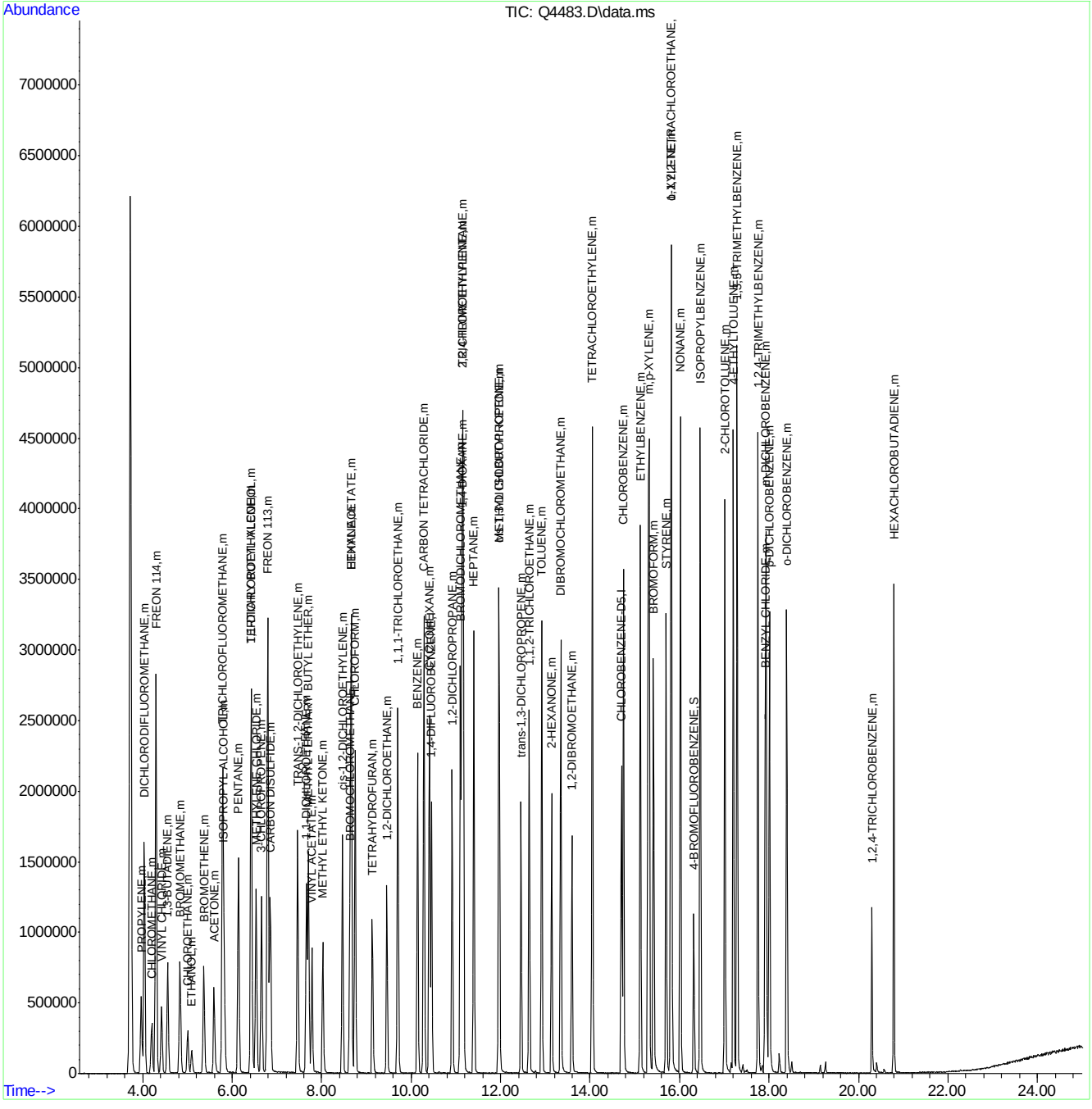
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.970	43	1504136	23.00 PPBV	99
45) cis-1,3-DICHLOROPROPENE	11.956	75	996740	20.20 PPBV	97
46) TOLUENE	12.918	92	1232865	18.89 PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.456	75	887376	19.59 PPBV	97
48) 1,1,2-TRICHLOROETHANE	12.639	83	644986	17.33 PPBV	99
50) 2-HEXANONE	13.139	43	1257979	24.04 PPBV	97
51) TETRACHLOROETHYLENE	14.052	164	919174	17.22 PPBV	99
52) DIBROMOCHLOROMETHANE	13.344	129	1473363	16.82 PPBV	99
53) 1,2-DIBROMOETHANE	13.594	107	1052309	17.53 PPBV	99
54) CHLOROBENZENE	14.746	112	1639648	17.28 PPBV	98
55) ETHYLBENZENE	15.124	91	2601126	21.03 PPBV	100
56) m,p-XYLENE	15.319	106	2037728	41.91 PPBV	98
57) o-XYLENE	15.816	106	959595	19.99 PPBV	96
58) STYRENE	15.699	104	1399828	21.70 PPBV	99
59) NONANE	16.016	43	1697929	25.40 PPBV	97
60) BROMOFORM	15.418	173	1350187	17.72 PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.805	83	1523023	17.95 PPBV	97
63) ISOPROPYLBENZENE	16.464	105	2981599m	20.54 PPBV	
64) 2-CHLOROTOLUENE	17.012	91	2209423	21.81 PPBV	99
65) 4-ETHYLTOLUENE	17.202	105	2634813	21.72 PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.285	105	2598040	22.80 PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.752	105	2249921	22.83 PPBV	100
68) m-DICHLOROBENZENE	17.933	146	1316330	18.00 PPBV	100
69) BENZYL CHLORIDE	17.910	91	1525531	21.08 PPBV	99
70) p-DICHLOROBENZENE	18.008	146	1215375	17.53 PPBV	99
71) o-DICHLOROBENZENE	18.396	146	1205570	18.50 PPBV	99
72) HEXACHLOROBUTADIENE	20.792	225	549856	11.32 PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.301	180	304255	15.91 PPBV	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4483.D
Acq On : 4 Sep 2007 1:44 pm
Operator : danat
Sample : ic235-20 (M112)
Misc : MS14204, MSQ235,,,,,1
ALS Vial : 2 Sample Multiplier: 1

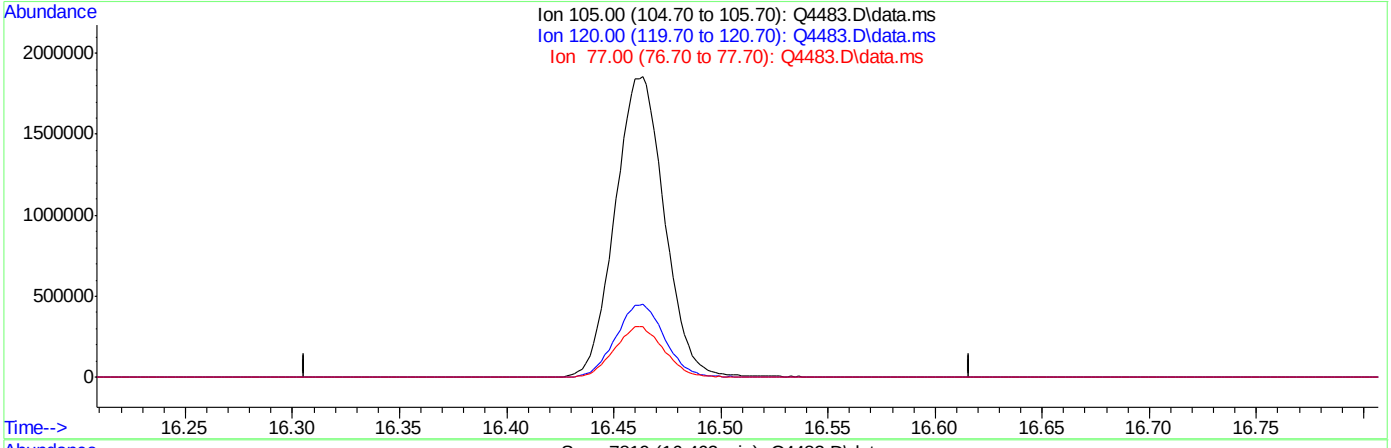
Quant Time: Sep 04 14:21:27 2007
Quant Method : C:\msdchem\1\METHODS\Q090407T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Sep 04 12:02:40 2007
Response via : Initial Calibration

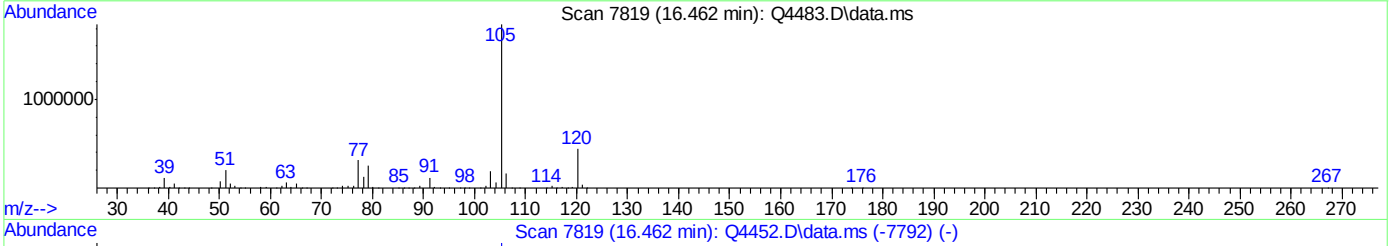


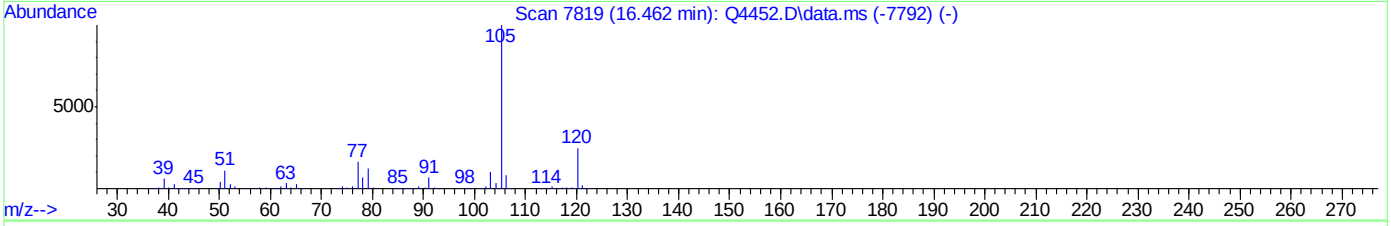
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4483.D
Acq On : 4 Sep 2007 1:44 pm
Operator : danat
Sample : ic235-20 (M112)
Misc : MS14204, MSQ235,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 04 14:20:16 2007
Quant Method : C:\msdchem\1\METHODS\Q090407T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Sep 04 12:02:40 2007
Response via : Initial Calibration







TIC: Q4483.D\data.ms

(63) ISOPROPYLBENZENE (m)

16.461min (-16.461) 0.00PPBV

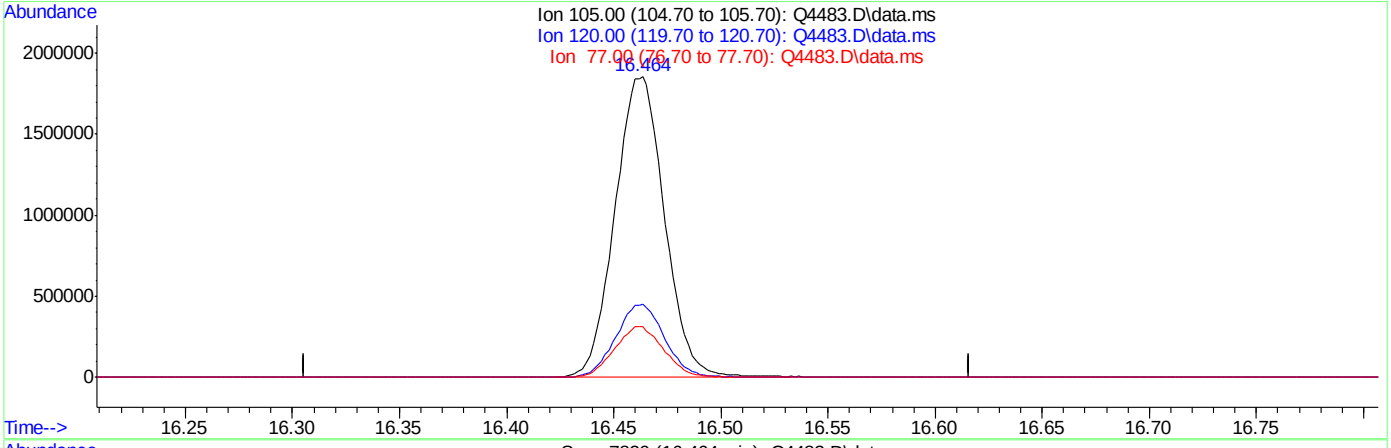
response 0

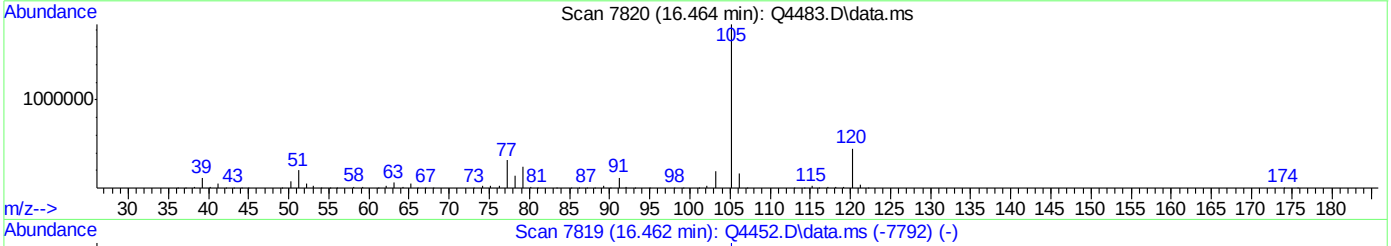
Ion	Exp%	Act%
105.00	100	0.00
120.00	24.20	0.00#
77.00	17.10	0.00
0.00	0.00	0.00

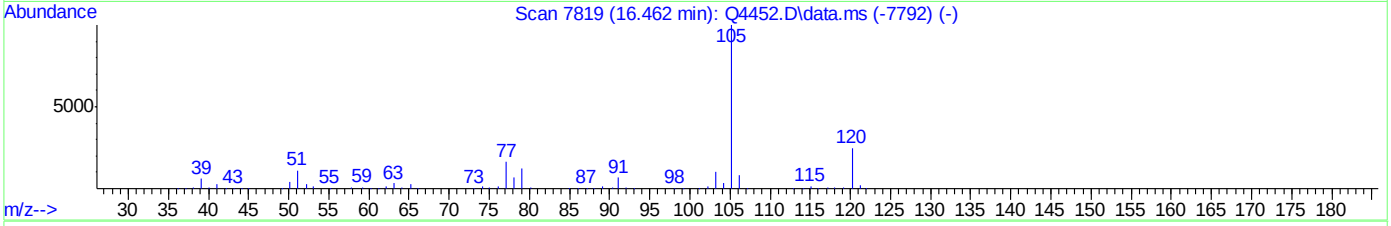
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4483.D
Acq On : 4 Sep 2007 1:44 pm
Operator : danat
Sample : ic235-20 (M112)
Misc : MS14204, MSQ235,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 04 14:20:16 2007
Quant Method : C:\msdchem\1\METHODS\Q090407T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Sep 04 12:02:40 2007
Response via : Initial Calibration







TIC: Q4483.D\data.ms

(63) ISOPROPYLBENZENE (m)

16.464min (+0.003) 20.54PPBV m

response 2981599

Ion	Exp%	Act%
105.00	100	100
120.00	24.20	0.00#
77.00	17.10	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4484.D
Acq On : 4 Sep 2007 2:27 pm
Operator : danat
Sample : icc235-10 (M112)
Misc : MS14204, MSQ235,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 04 14:56:37 2007
Quant Method : C:\msdchem\1\METHODS\Q090407T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Sep 04 12:02:40 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.628	128	273100	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.456	114	1337813	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.698	117	1045380	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.318	95	341269	4.84	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 96.80%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.037	85	1097791	7.48	PPBV	100
3) PROPYLENE	3.962	41	211516	8.04	PPBV	96
4) FREON 114	4.298	85	1101629	8.26	PPBV	95
5) CHLOROMETHANE	4.204	50	311312	9.55	PPBV	96
6) VINYL CHLORIDE	4.420	62	347000	8.73	PPBV	100
7) 1,3-BUTADIENE	4.557	39	282796	10.41	PPBV	96
8) BROMOMETHANE	4.830	94	349344	7.90	PPBV	98
9) CHLOROETHANE	5.006	64	146084	8.94	PPBV	98
10) TRICHLOROFLUOROMETHANE	5.787	101	1073093	7.47	PPBV	100
11) ISOPROPYL ALCOHOL	5.820	45	493165	9.15	PPBV	100
12) ACETONE	5.591	43	447278	7.82	PPBV	98
13) PENTANE	6.138	42	356691	8.94	PPBV	97
14) 1,1-DICHLOROETHYLENE	6.422	96	333319	7.61	PPBV	96
15) CARBON DISULFIDE	6.852	76	980678	7.56	PPBV	98
16) ETHANOL	5.096	45	111047	8.96	PPBV	99
17) BROMOETHENE	5.366	106	303952	7.37	PPBV	98
18) METHYLENE CHLORIDE	6.536	84	293898	2.68	PPBV	95
19) 3-CHLOROPROPENE	6.655	39	323986	9.50	PPBV	97
20) FREON 113	6.793	151	584830	6.83	PPBV	97
21) TRANS-1,2-DICHLOROETHY...	7.464	96	314955	7.41	PPBV	92
22) TERTIARY BUTYL ALCOHOL	6.422	59	612719	9.17	PPBV	97
23) METHYL TERTIARY BUTYL ...	7.703	73	692720	8.65	PPBV	96
24) TETRAHYDROFURAN	9.134	42	278897	11.52	PPBV	94
25) HEXANE	8.660	57	476403	8.70	PPBV	99
26) VINYL ACETATE	7.781	43	639688	10.26	PPBV	98
27) 1,1-DICHLOROETHANE	7.655	63	645961	9.14	PPBV	99
28) METHYL ETHYL KETONE	8.023	43	553374	9.86	PPBV	97
29) cis-1,2-DICHLOROETHYLENE	8.463	96	288413	8.25	PPBV	95
30) ETHYL ACETATE	8.658	43	886480	9.69	PPBV	99
31) CHLOROFORM	8.747	83	756930	8.12	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.702	97	749126	8.06	PPBV	99
33) CARBON TETRACHLORIDE	10.284	117	855746	7.57	PPBV	100
34) 1,2-DICHLOROETHANE	9.457	62	485566	8.90	PPBV	99
36) BENZENE	10.142	78	876996	8.56	PPBV	99
37) CYCLOHEXANE	10.406	84	384162	8.44	PPBV	94
38) TRICHLOROETHYLENE	11.136	95	437866	7.70	PPBV	98
39) 1,2-DICHLOROPROPANE	10.916	63	304178	8.57	PPBV	98
40) BROMODICHLOROMETHANE	11.099	83	778027	7.82	PPBV	100
41) 2,2,4-TRIMETHYLPENTANE	11.162	57	1566214	9.36	PPBV	99
42) 1,4-DIOXANE	11.125	88	159433	8.98	PPBV	86
43) HEPTANE	11.398	43	540541	10.07	PPBV	94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4484.D
Acq On : 4 Sep 2007 2:27 pm
Operator : danat
Sample : icc235-10 (M112)
Misc : MS14204, MSQ235,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 04 14:56:37 2007
Quant Method : C:\msdchem\1\METHODS\Q090407T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Sep 04 12:02:40 2007
Response via : Initial Calibration

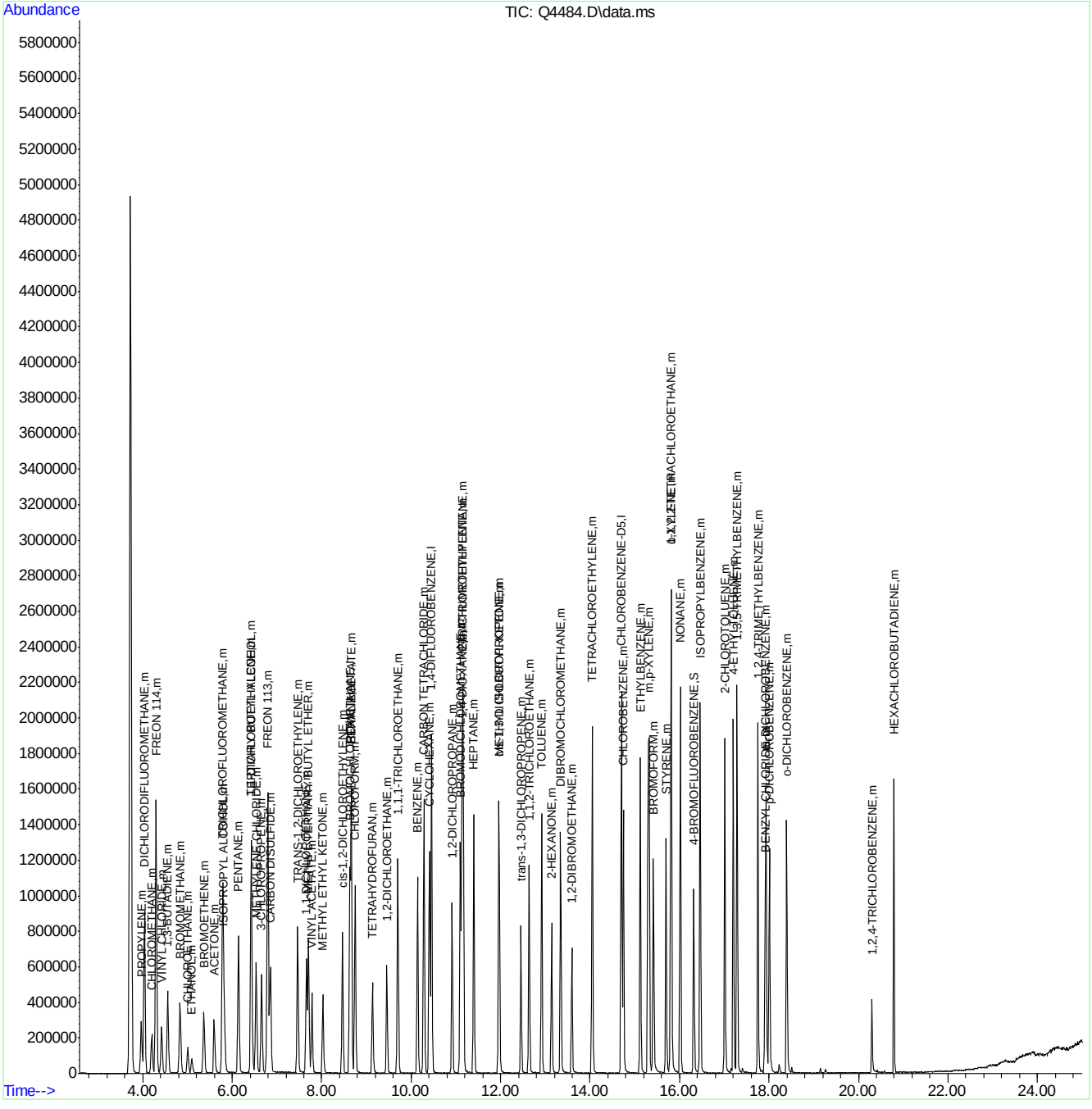
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.968	43	691418	10.59	PPBV	99
45) cis-1,3-DICHLOROPROPENE	11.954	75	425873	8.64	PPBV	96
46) TOLUENE	12.916	92	544699	8.36	PPBV	100
47) trans-1,3-DICHLOROPROPENE	12.454	75	375762	8.31	PPBV	97
48) 1,1,2-TRICHLOROETHANE	12.635	83	291969	7.86	PPBV	99
50) 2-HEXANONE	13.136	43	541247	10.58	PPBV	98
51) TETRACHLOROETHYLENE	14.050	164	366049	7.02	PPBV	98
52) DIBROMOCHLOROMETHANE	13.344	129	661568	7.73	PPBV	100
53) 1,2-DIBROMOETHANE	13.589	107	435639	7.43	PPBV	100
54) CHLOROBENZENE	14.744	112	723392	7.80	PPBV	99
55) ETHYLBENZENE	15.122	91	1145788	9.48	PPBV	100
56) m,p-XYLENE	15.317	106	876733	18.45	PPBV	96
57) o-XYLENE	15.814	106	444205	9.47	PPBV	98
58) STYRENE	15.697	104	543690	8.62	PPBV	99
59) NONANE	16.016	43	777443	11.90	PPBV	97
60) BROMOFORM	15.415	173	560933	7.53	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.803	83	693251	8.36	PPBV	98
63) ISOPROPYLBENZENE	16.458	105	1322251	9.32	PPBV	99
64) 2-CHLOROTOLUENE	17.012	91	944420	9.54	PPBV	98
65) 4-ETHYLTOLUENE	17.200	105	1109839	9.36	PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.284	105	1084444	9.74	PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.750	105	964616	10.02	PPBV	99
68) m-DICHLOROBENZENE	17.933	146	510814	7.15	PPBV	99
69) BENZYL CHLORIDE	17.908	91	581291	8.22	PPBV	98
70) p-DICHLOROBENZENE	18.008	146	454315	6.71	PPBV	99
71) o-DICHLOROBENZENE	18.396	146	515024	8.09	PPBV	99
72) HEXACHLOROBUTADIENE	20.791	225	243469	5.13	PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.299	180	117314	6.28	PPBV	95

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4484.D
Acq On : 4 Sep 2007 2:27 pm
Operator : danat
Sample : icc235-10 (M112)
Misc : MS14204, MSQ235,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 04 14:56:37 2007
Quant Method : C:\msdchem\1\METHODS\Q090407T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Sep 04 12:02:40 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4485.D
Acq On : 4 Sep 2007 3:10 pm
Operator : danat
Sample : ic235-5 (M112)
Misc : MS14204, MSQ235,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 04 15:41:38 2007
Quant Method : C:\msdchem\1\METHODS\Q090407T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Sep 04 14:58:03 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.625	128	300031	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.453	114	1354315	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.698	117	1088766	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.316	95	347454	5.22	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 104.40%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.037	85	468506	3.59	PPBV	99
3) PROPYLENE	3.969	41	93507	3.83	PPBV	98
4) FREON 114	4.299	85	499643	4.04	PPBV	100
5) CHLOROMETHANE	4.202	50	132127	4.00	PPBV	98
6) VINYL CHLORIDE	4.417	62	154152	4.22	PPBV #	52
7) 1,3-BUTADIENE	4.555	39	116916	4.08	PPBV	99
8) BROMOMETHANE	4.835	94	162824	4.08	PPBV	100
9) CHLOROETHANE	5.006	64	68848	4.24	PPBV	98
10) TRICHLOROFLUOROMETHANE	5.789	101	506674	4.11	PPBV	99
11) ISOPROPYL ALCOHOL	5.824	45	229034	4.45	PPBV	95
12) ACETONE	5.597	43	207610	3.47	PPBV	99
13) PENTANE	6.140	42	157367	4.10	PPBV	99
14) 1,1-DICHLOROETHYLENE	6.424	96	155177	4.27	PPBV	96
15) CARBON DISULFIDE	6.853	76	465268	4.14	PPBV	98
16) ETHANOL	5.095	45	53196	4.15	PPBV	96
17) BROMOETHENE	5.363	106	150192	4.39	PPBV	98
18) METHYLENE CHLORIDE	6.536	84	139329	2.16	PPBV	95
19) 3-CHLOROPROPENE	6.658	39	130628	3.90	PPBV	99
20) FREON 113	6.797	151	286854	4.13	PPBV	97
21) TRANS-1,2-DICHLOROETHY...	7.462	96	151733	4.33	PPBV	95
22) TERTIARY BUTYL ALCOHOL	6.429	59	302065	5.54	PPBV	99
23) METHYL TERTIARY BUTYL ...	7.705	73	323598	4.66	PPBV	98
24) TETRAHYDROFURAN	9.143	42	109426	4.71	PPBV	99
25) HEXANE	8.662	57	202904	4.29	PPBV	98
26) VINYL ACETATE	7.787	43	242743	4.06	PPBV	93
27) 1,1-DICHLOROETHANE	7.659	63	260931	3.80	PPBV	99
28) METHYL ETHYL KETONE	8.032	43	241701	4.63	PPBV	99
29) cis-1,2-DICHLOROETHYLENE	8.467	96	118262	4.17	PPBV	94
30) ETHYL ACETATE	8.658	43	388840	4.50	PPBV	100
31) CHLOROFORM	8.747	83	332379	3.89	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.704	97	307192	3.73	PPBV	100
33) CARBON TETRACHLORIDE	10.282	117	375692	3.95	PPBV	100
34) 1,2-DICHLOROETHANE	9.453	62	185242	3.79	PPBV	99
36) BENZENE	10.144	78	301159	3.87	PPBV	100
37) CYCLOHEXANE	10.410	84	156004	4.99	PPBV	95
38) TRICHLOROETHYLENE	11.136	95	182591	4.32	PPBV	99
39) 1,2-DICHLOROPROPANE	10.916	63	119107	4.07	PPBV	98
40) BROMODICHLOROMETHANE	11.099	83	302450	3.82	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.161	57	622856	4.71	PPBV	98
42) 1,4-DIOXANE	11.132	88	67309	5.06	PPBV #	73
43) HEPTANE	11.400	43	221335	4.88	PPBV	99

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4485.D
Acq On : 4 Sep 2007 3:10 pm
Operator : danat
Sample : ic235-5 (M112)
Misc : MS14204, MSQ235,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 04 15:41:38 2007
Quant Method : C:\msdchem\1\METHODS\Q090407T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Sep 04 14:58:03 2007
Response via : Initial Calibration

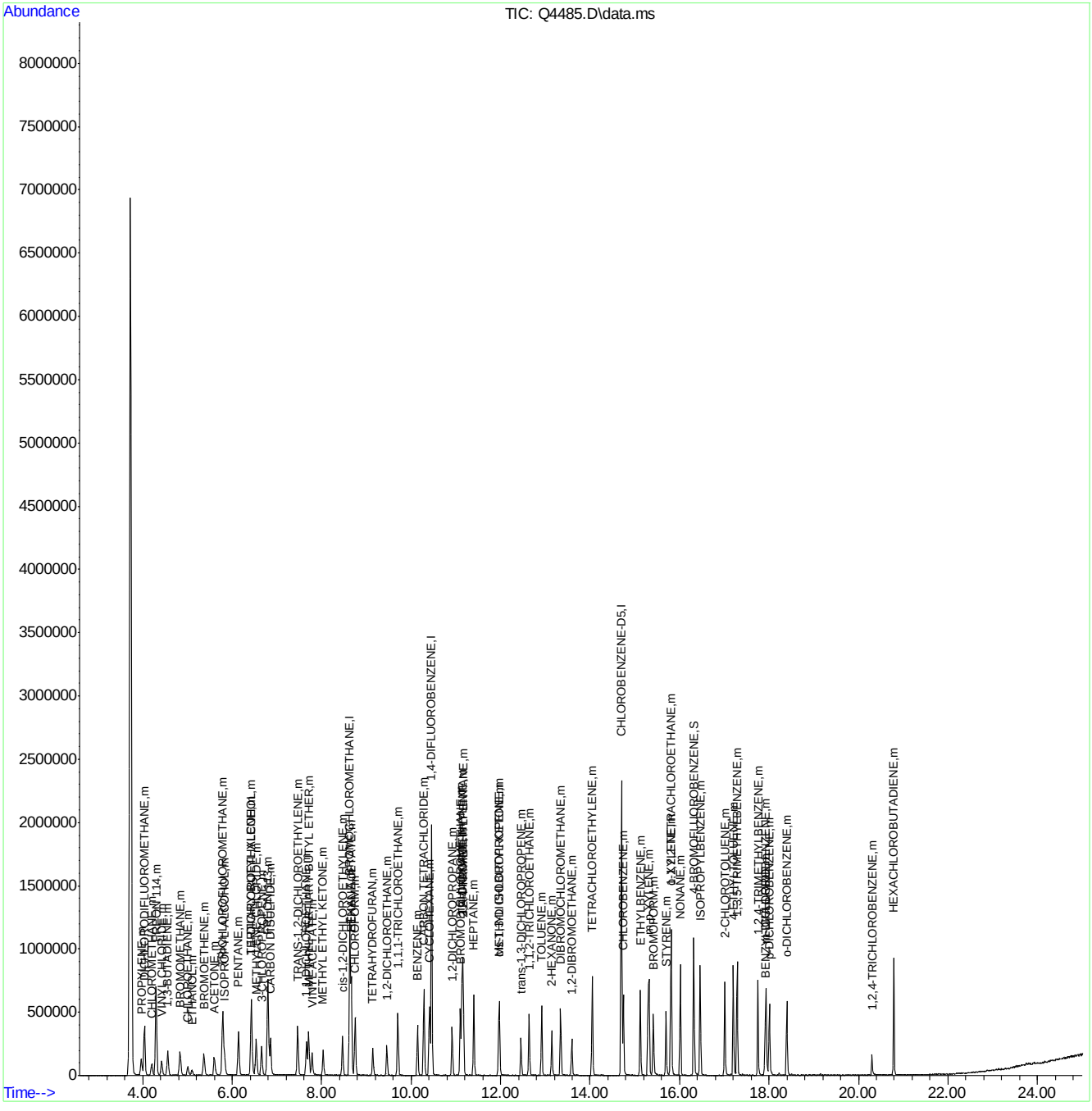
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.970	43	286755	5.24	PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.958	75	155081	4.15	PPBV	97
46) TOLUENE	12.916	92	194185	4.06	PPBV	98
47) trans-1,3-DICHLOROPROPENE	12.456	75	135453	4.09	PPBV	98
48) 1,1,2-TRICHLOROETHANE	12.637	83	117448	4.07	PPBV	99
50) 2-HEXANONE	13.143	43	224390	4.93	PPBV	96
51) TETRACHLOROETHYLENE	14.050	164	151724	3.88	PPBV	98
52) DIBROMOCHLOROMETHANE	13.342	129	257871	3.78	PPBV	98
53) 1,2-DIBROMOETHANE	13.590	107	177361	3.94	PPBV	100
54) CHLOROBENZENE	14.742	112	295534	3.96	PPBV	99
55) ETHYLBENZENE	15.124	91	404709	4.12	PPBV	98
56) m,p-XYLENE	15.315	106	322499	8.73	PPBV	96
57) o-XYLENE	15.816	106	176917	4.96	PPBV	100
58) STYRENE	15.697	104	200648	4.20	PPBV	98
59) NONANE	16.015	43	290887	4.84	PPBV	98
60) BROMOFORM	15.415	173	216512	3.71	PPBV	98
62) 1,1,2,2-TETRACHLOROETHANE	15.802	83	298981	4.25	PPBV	99
63) ISOPROPYLBENZENE	16.462	105	508766	4.51	PPBV	99
64) 2-CHLOROTOLUENE	17.010	91	365543	4.71	PPBV	99
65) 4-ETHYLTOLUENE	17.200	105	466433	5.15	PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.287	105	457925	5.29	PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.750	105	339909	4.50	PPBV	98
68) m-DICHLOROBENZENE	17.933	146	226906	4.75	PPBV	99
69) BENZYL CHLORIDE	17.908	91	238125	4.60	PPBV	99
70) p-DICHLOROBENZENE	18.008	146	218085	5.09	PPBV	97
71) o-DICHLOROBENZENE	18.396	146	203288	4.56	PPBV	99
72) HEXACHLOROBUTADIENE	20.789	225	136413	4.33	PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.304	180	45279	3.92	PPBV	99

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4485.D
Acq On : 4 Sep 2007 3:10 pm
Operator : danat
Sample : ic235-5 (M112)
Misc : MS14204, MSQ235,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 04 15:41:38 2007
Quant Method : C:\msdchem\1\METHODS\Q090407T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Sep 04 14:58:03 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4486.D
Acq On : 4 Sep 2007 3:54 pm
Operator : danat
Sample : ic235-2 (M112)
Misc : MS14204, MSQ235,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 04 16:21:21 2007
Quant Method : C:\msdchem\1\METHODS\Q090407T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Sep 04 15:43:33 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.626	128	322404	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.454	114	1580552	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.696	117	1212216	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.316	95	358619	4.80	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 96.00%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.037	85	194190	1.45	PPBV	99
3) PROPYLENE	3.966	41	36839	1.46	PPBV	96
4) FREON 114	4.292	85	191062	1.48	PPBV	99
5) CHLOROMETHANE	4.197	50	52328	1.53	PPBV	94
6) VINYL CHLORIDE	4.420	62	58738	1.54	PPBV	99
7) 1,3-BUTADIENE	4.555	39	43410	1.45	PPBV	97
8) BROMOMETHANE	4.828	94	62698	1.51	PPBV	99
9) CHLOROETHANE	5.000	64	24414	1.44	PPBV	98
10) TRICHLOROFLUOROMETHANE	5.785	101	192213	1.50	PPBV	99
11) ISOPROPYL ALCOHOL	5.831	45	81010	1.49	PPBV	91
12) ACETONE	5.602	43	79446	1.30	PPBV	100
13) PENTANE	6.136	42	57788	1.44	PPBV	100
14) 1,1-DICHLOROETHYLENE	6.426	96	56296	1.48	PPBV	95
15) CARBON DISULFIDE	6.853	76	176495	1.50	PPBV	99
16) ETHANOL	5.098	45	20396	1.52	PPBV	96
17) BROMOETHENE	5.366	106	56073	1.56	PPBV	100
18) METHYLENE CHLORIDE	6.536	84	67932	1.08	PPBV	94
19) 3-CHLOROPROPENE	6.658	39	43706	1.26	PPBV	99
20) FREON 113	6.793	151	105608	1.46	PPBV	98
21) TRANS-1,2-DICHLOROETHY...	7.464	96	52618	1.43	PPBV	95
22) TERTIARY BUTYL ALCOHOL	6.435	59	108329	1.82	PPBV	93
23) METHYL TERTIARY BUTYL ...	7.707	73	112338	1.52	PPBV	100
24) TETRAHYDROFURAN	9.143	42	31078	1.26	PPBV	96
25) HEXANE	8.665	57	67167	1.35	PPBV	93
26) VINYL ACETATE	7.785	43	80228	1.29	PPBV	91
27) 1,1-DICHLOROETHANE	7.657	63	93978	1.33	PPBV	98
28) METHYL ETHYL KETONE	8.035	43	78274	1.41	PPBV	93
29) cis-1,2-DICHLOROETHYLENE	8.461	96	38016	1.28	PPBV	92
30) ETHYL ACETATE	8.662	43	133041	1.46	PPBV	100
31) CHLOROFORM	8.743	83	117912	1.33	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.698	97	113033	1.33	PPBV	100
33) CARBON TETRACHLORIDE	10.284	117	143078	1.45	PPBV	98
34) 1,2-DICHLOROETHANE	9.459	62	68918	1.37	PPBV	100
36) BENZENE	10.142	78	108638	1.24	PPBV	99
37) CYCLOHEXANE	10.410	84	48609	1.33	PPBV	92
38) TRICHLOROETHYLENE	11.138	95	65143	1.35	PPBV	100
39) 1,2-DICHLOROPROPANE	10.914	63	42304	1.28	PPBV	97
40) BROMODICHLOROMETHANE	11.099	83	111174	1.25	PPBV	100
41) 2,2,4-TRIMETHYLPENTANE	11.159	57	204842	1.34	PPBV	97
42) 1,4-DIOXANE	11.141	88	21310	1.37	PPBV #	1
43) HEPTANE	11.400	43	62192	1.18	PPBV	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4486.D
Acq On : 4 Sep 2007 3:54 pm
Operator : danat
Sample : ic235-2 (M112)
Misc : MS14204, MSQ235,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 04 16:21:21 2007
Quant Method : C:\msdchem\1\METHODS\Q090407T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Sep 04 15:43:33 2007
Response via : Initial Calibration

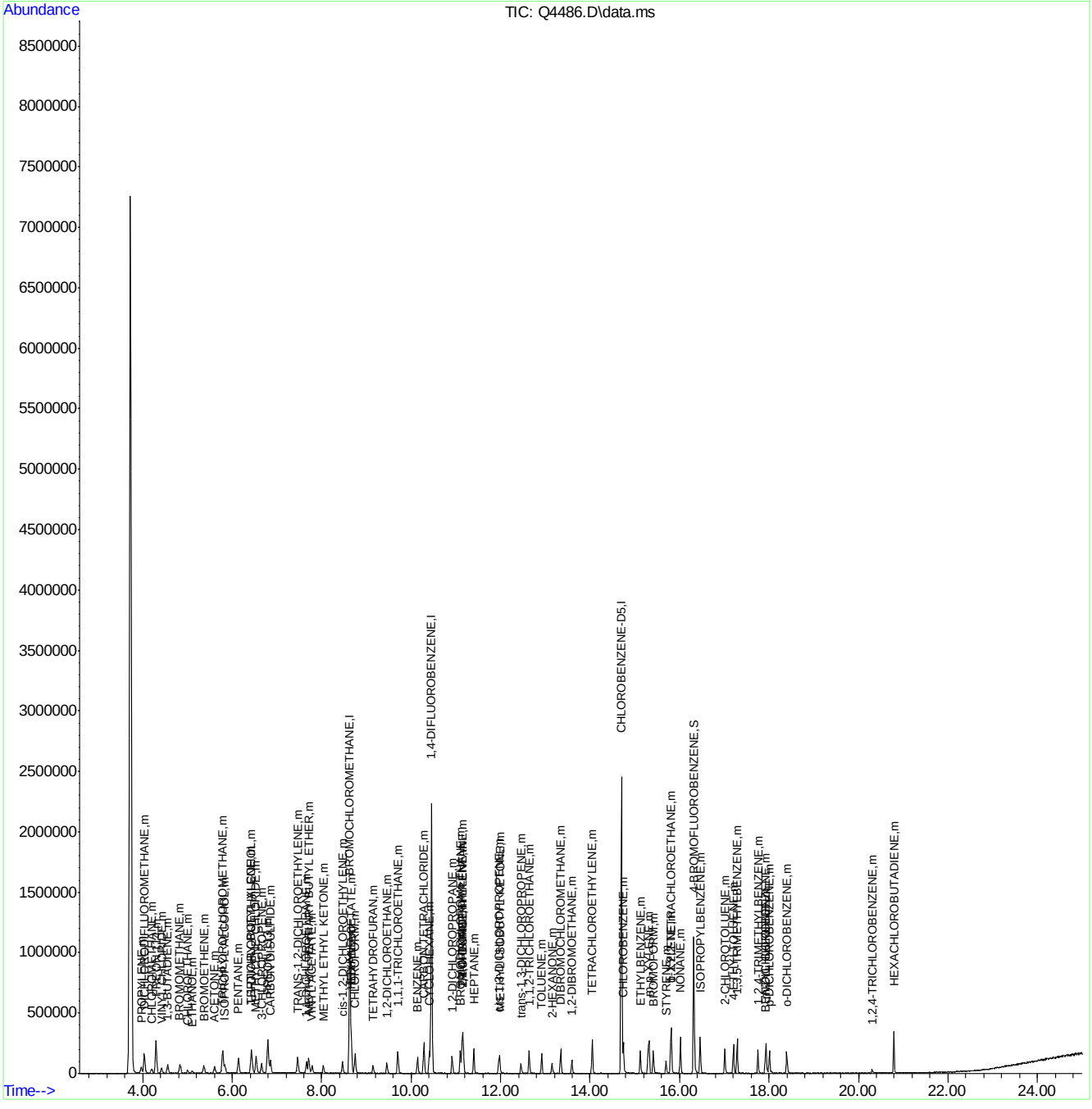
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.981	43	86158	1.34	PPBV	96
45) cis-1,3-DICHLOROPROPENE	11.958	75	46352	1.09	PPBV	95
46) TOLUENE	12.916	92	58361	1.08	PPBV	96
47) trans-1,3-DICHLOROPROPENE	12.455	75	39822	1.06	PPBV	98
48) 1,1,2-TRICHLOROETHANE	12.636	83	46503	1.43	PPBV	99
50) 2-HEXANONE	13.148	43	57176	1.13	PPBV	93
51) TETRACHLOROETHYLENE	14.045	164	54030	1.29	PPBV	99
52) DIBROMOCHLOROMETHANE	13.342	129	95402	1.31	PPBV	100
53) 1,2-DIBROMOETHANE	13.594	107	64124	1.33	PPBV	99
54) CHLOROBENZENE	14.742	112	112138	1.40	PPBV	99
55) ETHYLBENZENE	15.120	91	118118	1.11	PPBV	98
56) m,p-XYLENE	15.315	106	105867	2.63	PPBV	92
57) o-XYLENE	15.818	106	52217	1.32	PPBV	93
58) STYRENE	15.699	104	47951	0.93	PPBV	97
59) NONANE	16.018	43	83474	1.25	PPBV	98
60) BROMOFORM	15.413	173	84225	1.36	PPBV	100
62) 1,1,2,2-TETRACHLOROETHANE	15.804	83	113580	1.49	PPBV	100
63) ISOPROPYLBENZENE	16.460	105	164004	1.33	PPBV	99
64) 2-CHLOROTOLUENE	17.012	91	100860	1.18	PPBV	99
65) 4-ETHYLTOLUENE	17.206	105	124156	1.23	PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.285	105	131682	1.35	PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.754	105	90673	1.10	PPBV	98
68) m-DICHLOROBENZENE	17.935	146	82922	1.57	PPBV	99
69) BENZYL CHLORIDE	17.910	91	71693	1.26	PPBV	98
70) p-DICHLOROBENZENE	18.008	146	73616	1.54	PPBV	97
71) o-DICHLOROBENZENE	18.395	146	69368	1.42	PPBV	99
72) HEXACHLOROBUTADIENE	20.791	225	50307	1.47	PPBV	98
73) 1,2,4-TRICHLOROBENZENE	20.306	180	10911	0.89	PPBV	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4486.D
Acq On : 4 Sep 2007 3:54 pm
Operator : danat
Sample : ic235-2 (M112)
Misc : MS14204, MSQ235,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 04 16:21:21 2007
Quant Method : C:\msdchem\1\METHODS\Q090407T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Sep 04 15:43:33 2007
Response via : Initial Calibration



ACCUTEST Laboratories M67337

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
09/05/07 15:11

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4488a.D
Acq On : 4 Sep 2007 5:27 pm
Operator : danat
Sample : cc235-10 (M217)
Misc : MS14204, MSQ235,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 05 13:46:02 2007
Quant Method : C:\msdchem\1\METHODS\Q090407T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Sep 04 16:25:31 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.628	128	289743	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.454	114	1342350	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.698	117	1072731	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.316	95	359996	5.48	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 109.60%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.037	85	1035534	8.97	PPBV	100
3) PROPYLENE	3.966	41	183458	8.43	PPBV	92
4) FREON 114	4.296	85	1009228	9.06	PPBV	97
5) CHLOROMETHANE	4.200	50	240562	8.08	PPBV	96
6) VINYL CHLORIDE	4.420	62	296003	8.90	PPBV	99
7) 1,3-BUTADIENE	4.560	39	221391	8.59	PPBV	98
8) BROMOMETHANE	4.835	94	333568	9.26	PPBV	99
9) CHLOROETHANE	5.006	64	141984	9.68	PPBV	97
10) TRICHLOROFLUOROMETHANE	5.788	101	1010951	9.08	PPBV	100
11) ISOPROPYL ALCOHOL	5.824	45	420560	8.94	PPBV	92
12) ACETONE	5.595	43	361776	6.94	PPBV	99
13) PENTANE	6.138	42	291883	8.45	PPBV	96
14) 1,1-DICHLOROETHYLENE	6.425	96	332252	10.07	PPBV	92
15) CARBON DISULFIDE	6.855	76	975105	9.58	PPBV	96
16) ETHANOL	5.094	45	95236	8.20	PPBV	98
17) BROMOETHENE	5.368	106	318350	10.15	PPBV	98
18) METHYLENE CHLORIDE	6.537	84	300067	8.86	PPBV	91
19) 3-CHLOROPROPENE	6.653	39	281238	9.53	PPBV	97
20) FREON 113	6.793	151	621671	9.92	PPBV	95
21) TRANS-1,2-DICHLOROETHY...	7.464	96	328426	10.36	PPBV	95
22) TERTIARY BUTYL ALCOHOL	6.424	59	564558	10.68	PPBV	99
23) METHYL TERTIARY BUTYL ...	7.705	73	601875	9.40	PPBV	97
24) TETRAHYDROFURAN	9.136	42	192703	6.75	PPBV	88
25) HEXANE	8.662	57	416963	9.80	PPBV	99
26) VINYL ACETATE	7.780	43	475940	8.97	PPBV	94
27) 1,1-DICHLOROETHANE	7.661	63	577868	9.54	PPBV	99
28) METHYL ETHYL KETONE	8.025	43	423394	8.87	PPBV	95
29) cis-1,2-DICHLOROETHYLENE	8.466	96	290109	9.38	PPBV	91
30) ETHYL ACETATE	8.656	43	700096	8.88	PPBV	99
31) CHLOROFORM	8.749	83	753753	9.96	PPBV	98
32) 1,1,1-TRICHLOROETHANE	9.703	97	739936	10.20	PPBV	98
33) CARBON TETRACHLORIDE	10.286	117	899797	10.57	PPBV	100
34) 1,2-DICHLOROETHANE	9.457	62	416483	9.62	PPBV	99
36) BENZENE	10.142	78	744008	9.24	PPBV	97
37) CYCLOHEXANE	10.406	84	383124	10.21	PPBV	93
38) TRICHLOROETHYLENE	11.139	95	458067	11.73	PPBV	97
39) 1,2-DICHLOROPROPANE	10.916	63	243919	9.15	PPBV	96
40) BROMODICHLOROMETHANE	11.100	83	751939	10.54	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.164	57	1374961	8.81	PPBV	98
42) 1,4-DIOXANE	11.132	88	87315	5.73	PPBV #	58
43) HEPTANE	11.400	43	487991	9.01	PPBV	91

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4488a.D
Acq On : 4 Sep 2007 5:27 pm
Operator : danat
Sample : cc235-10 (M217)
Misc : MS14204, MSQ235,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 05 13:46:02 2007
Quant Method : C:\msdchem\1\METHODS\Q090407T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Sep 04 16:25:31 2007
Response via : Initial Calibration

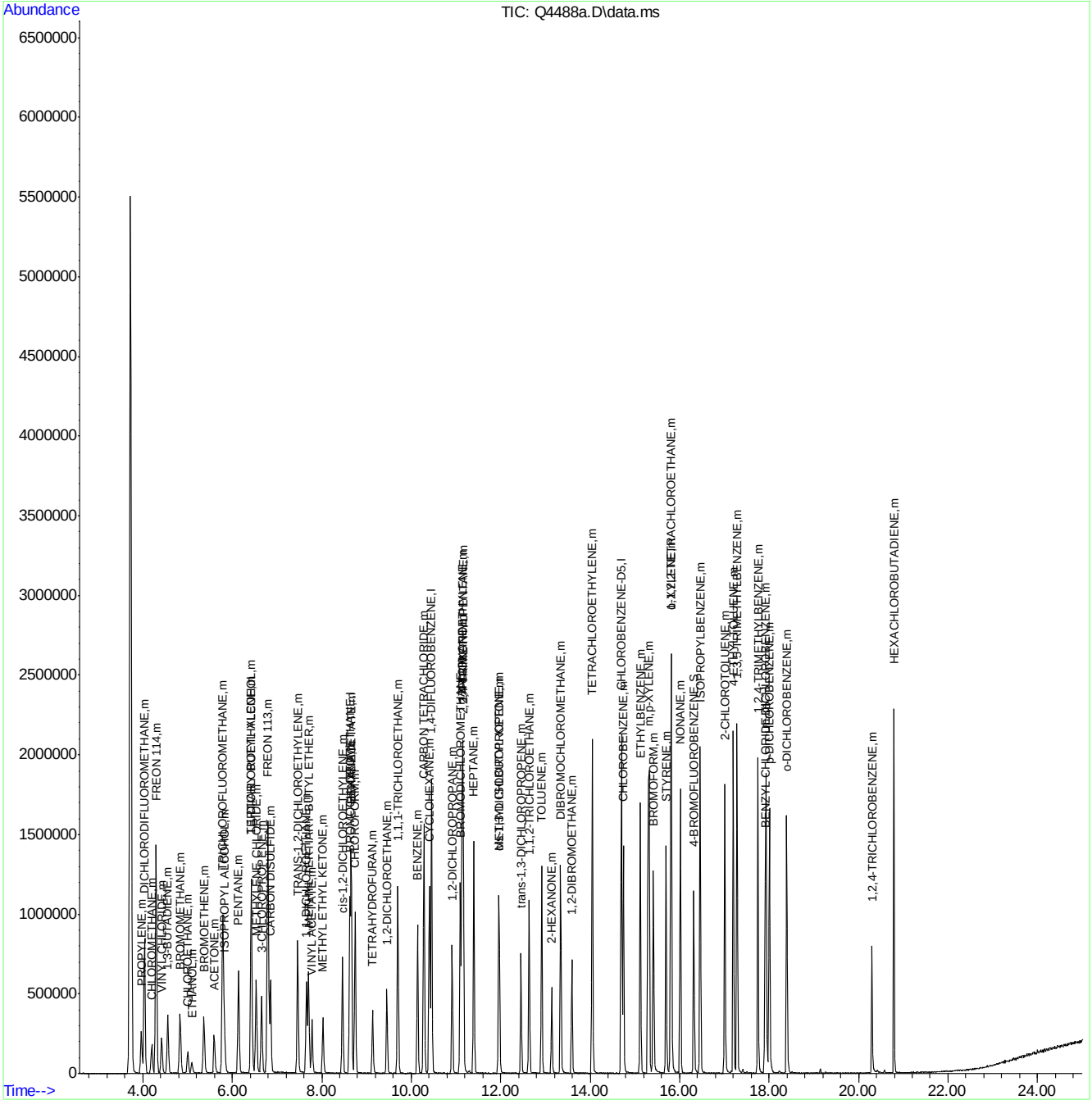
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.970	43	426658	6.31	PPBV	95
45) cis-1,3-DICHLOROPROPENE	11.956	75	370328	8.68	PPBV	91
46) TOLUENE	12.919	92	480394	9.19	PPBV	96
47) trans-1,3-DICHLOROPROPENE	12.454	75	347778	9.22	PPBV	97
48) 1,1,2-TRICHLOROETHANE	12.637	83	263527	9.92	PPBV	98
50) 2-HEXANONE	13.141	43	323524	6.08	PPBV	97
51) TETRACHLOROETHYLENE	14.050	164	438317	10.90	PPBV	96
52) DIBROMOCHLOROMETHANE	13.342	129	651715	10.64	PPBV	100
53) 1,2-DIBROMOETHANE	13.594	107	440119	9.67	PPBV	100
54) CHLOROBENZENE	14.742	112	715633	10.53	PPBV	99
55) ETHYLBENZENE	15.122	91	1091996	9.75	PPBV	100
56) m,p-XYLENE	15.317	106	877058	19.65	PPBV	96
57) o-XYLENE	15.816	106	436349	10.07	PPBV	99
58) STYRENE	15.697	104	604909	10.30	PPBV	98
59) NONANE	16.018	43	571003	7.52	PPBV	96
60) BROMOFORM	15.413	173	601229	10.29	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.802	83	690182	10.60	PPBV	99
63) ISOPROPYLBENZENE	16.460	105	1306584	9.81	PPBV	100
64) 2-CHLOROTOLUENE	17.010	91	949796	9.56	PPBV	98
65) 4-ETHYLTOLUENE	17.200	105	1248246	10.58	PPBV	100
66) 1,3,5-TRIMETHYLBENZENE	17.284	105	1140426	9.61	PPBV	100
67) 1,2,4-TRIMETHYLBENZENE	17.750	105	1006391	9.99	PPBV	99
68) m-DICHLOROBENZENE	17.933	146	665195	11.28	PPBV	99
69) BENZYL CHLORIDE	17.910	91	730007m	10.84	PPBV	
70) p-DICHLOROBENZENE	18.008	146	655101	12.03	PPBV	98
71) o-DICHLOROBENZENE	18.396	146	589389	10.70	PPBV	99
72) HEXACHLOROBUTADIENE	20.790	225	346773	12.42	PPBV	100
73) 1,2,4-TRICHLOROBENZENE	20.299	180	219346	15.37	PPBV	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4488a.D
Acq On : 4 Sep 2007 5:27 pm
Operator : danat
Sample : cc235-10 (M217)
Misc : MS14204, MSQ235,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 05 13:46:02 2007
Quant Method : C:\msdchem\1\METHODS\Q090407T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Sep 04 16:25:31 2007
Response via : Initial Calibration

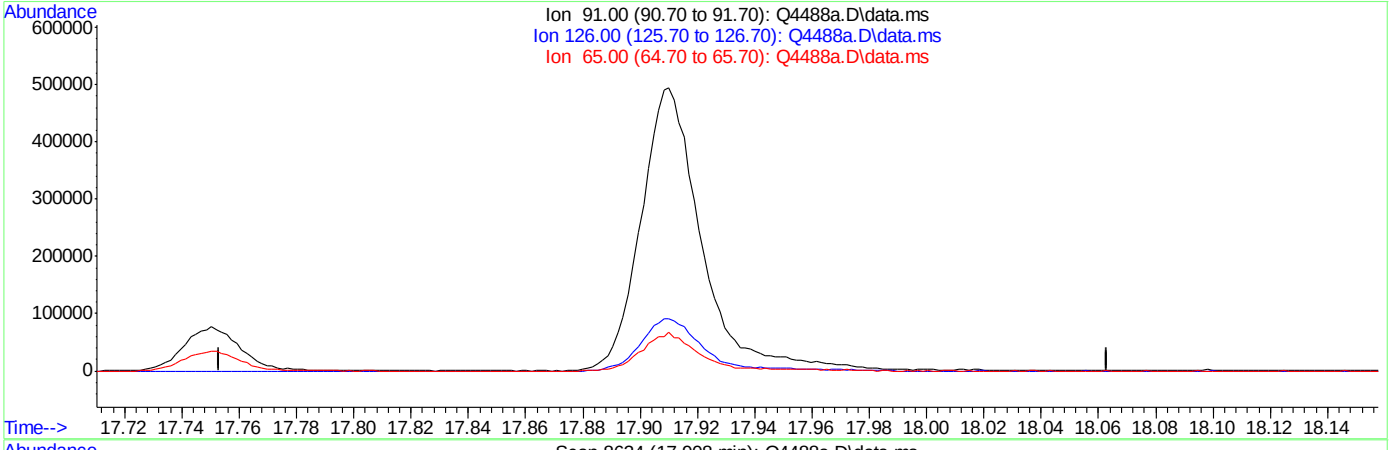


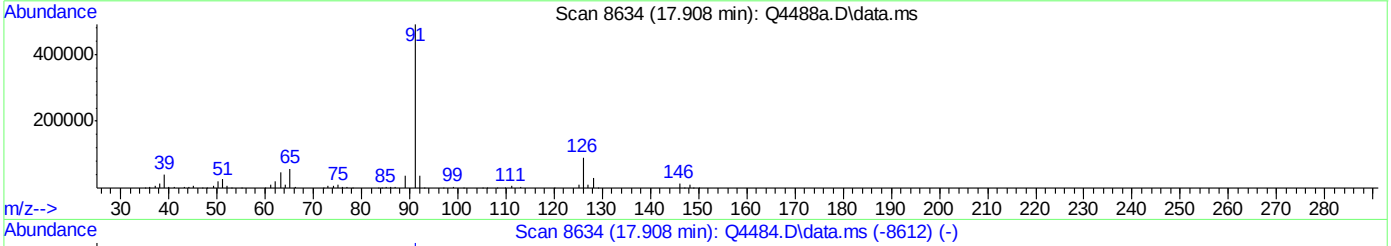
ACCUTEST Laboratories M67337

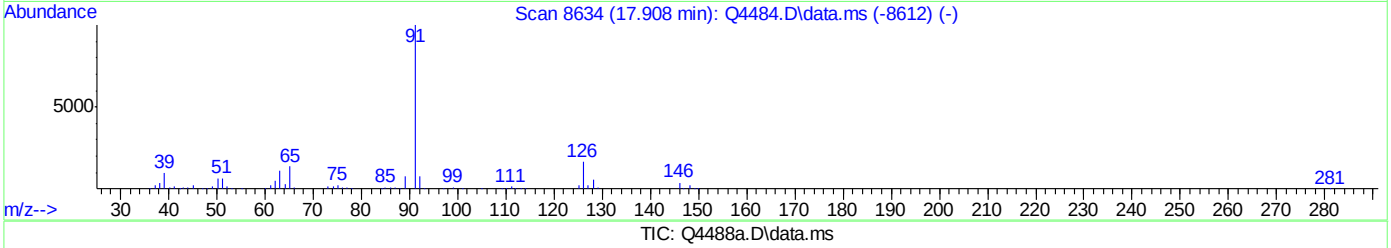
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4488a.D
Acq On : 4 Sep 2007 5:27 pm
Operator : danat
Sample : cc235-10 (M217)
Misc : MS14204, MSQ235,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 04 17:53:53 2007
Quant Method : C:\msdchem\1\METHODS\Q090407T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Sep 04 16:25:31 2007
Response via : Initial Calibration







TIC: Q4488a.D\data.ms

(69) BENZYL CHLORIDE (m)

17.908min (-17.908) 0.00PPBV

response 0

Ion	Exp%	Act%
91.00	100	0.00
126.00	17.50	0.00
65.00	13.40	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

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Data Path : C:\msdchem\1\DATA\
Data File : Q4488a.D
Acq On    :  4 Sep 2007   5:27 pm
Operator  : danat
Sample    : cc235-10 (M217)
Misc      : MS14204, MSQ235,,,,,1
ALS Vial  : 3   Sample Multiplier: 1

Quant Time: Sep 04 17:53:53 2007
Quant Method : C:\msdchem\1\METHODS\Q090407T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Sep 04 16:25:31 2007
Response via : Initial Calibration
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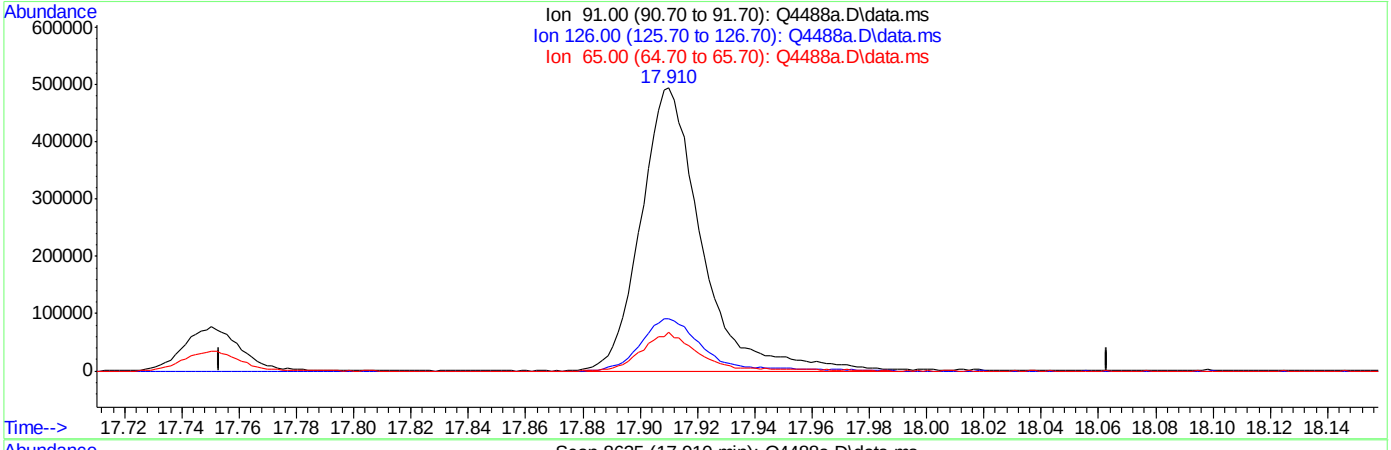
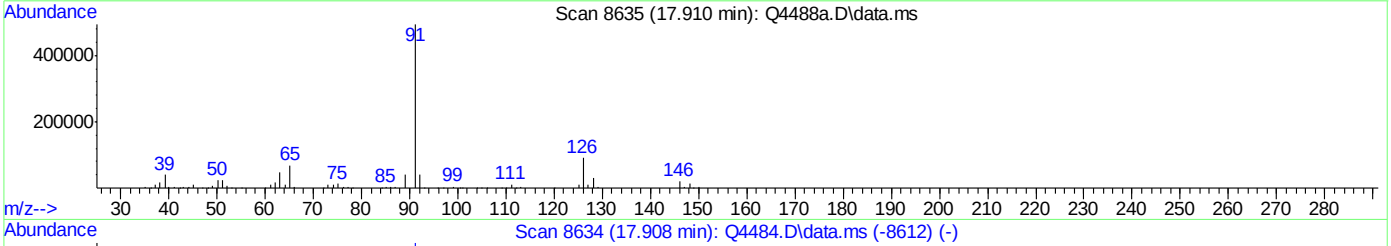
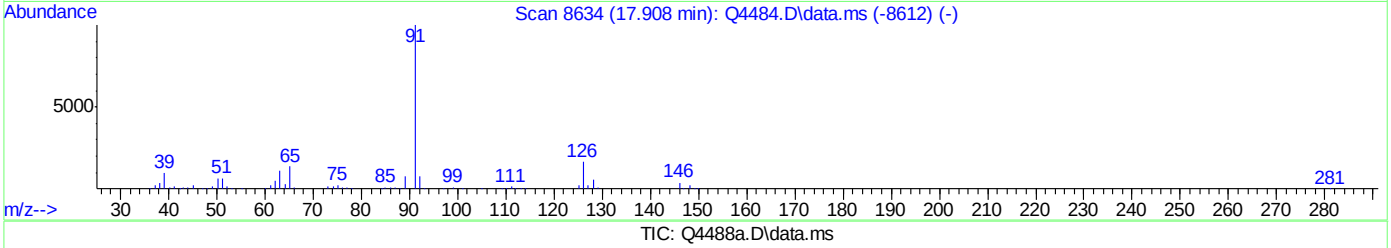






TIC: Q4488a.D\data.ms

(69) BENZYL CHLORIDE (m)

17.910min (+0.002) 10.84PPBV m

response 730007

Ion	Exp%	Act%
91.00	100	100
126.00	17.50	0.00
65.00	13.40	0.00
0.00	0.00	0.00

ACCUTEST Laboratories M67337

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
09/05/07 15:05

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4488.D
Acq On : 4 Sep 2007 5:27 pm
Operator : danat
Sample : icv235-10 (M217)
Misc : MS14204, MSQ235,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 05 13:36:53 2007
Quant Method : C:\msdchem\1\METHODS\Q090407T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Sep 04 16:25:31 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.628	128	289743	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.454	114	1342350	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.698	117	1072731	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.316	95	359996	5.48	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 109.60%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.037	85	1035534	8.97	PPBV	100
3) PROPYLENE	3.966	41	183458	8.43	PPBV	92
4) FREON 114	4.296	85	1009228	9.06	PPBV	97
5) CHLOROMETHANE	4.200	50	240562	8.08	PPBV	96
6) VINYL CHLORIDE	4.420	62	296003	8.90	PPBV	99
7) 1,3-BUTADIENE	4.560	39	221391	8.59	PPBV	98
8) BROMOMETHANE	4.835	94	333568	9.26	PPBV	99
9) CHLOROETHANE	5.006	64	141984	9.68	PPBV	97
10) TRICHLOROFLUOROMETHANE	5.788	101	1010951	9.08	PPBV	100
11) ISOPROPYL ALCOHOL	5.824	45	420560	8.94	PPBV	92
12) ACETONE	5.595	43	361776	6.94	PPBV	99
13) PENTANE	6.138	42	291883	8.45	PPBV	96
14) 1,1-DICHLOROETHYLENE	6.425	96	332252	10.07	PPBV	92
15) CARBON DISULFIDE	6.855	76	975105	9.58	PPBV	96
16) ETHANOL	5.094	45	95236	8.20	PPBV	98
17) BROMOETHENE	5.368	106	318350	10.15	PPBV	98
18) METHYLENE CHLORIDE	6.537	84	300067	8.86	PPBV	91
19) 3-CHLOROPROPENE	6.653	39	281238	9.53	PPBV	97
20) FREON 113	6.793	151	621671	9.92	PPBV	95
21) TRANS-1,2-DICHLOROETHY...	7.464	96	328426	10.36	PPBV	95
22) TERTIARY BUTYL ALCOHOL	6.424	59	564558	10.68	PPBV	99
23) METHYL TERTIARY BUTYL ...	7.705	73	601875	9.40	PPBV	97
24) TETRAHYDROFURAN	9.136	42	192703	6.75	PPBV	88
25) HEXANE	8.662	57	416963	9.80	PPBV	99
26) VINYL ACETATE	7.780	43	475940	8.97	PPBV	94
27) 1,1-DICHLOROETHANE	7.661	63	577868	9.54	PPBV	99
28) METHYL ETHYL KETONE	8.025	43	423394	8.87	PPBV	95
29) cis-1,2-DICHLOROETHYLENE	8.466	96	290109	9.38	PPBV	91
30) ETHYL ACETATE	8.656	43	700096	8.88	PPBV	99
31) CHLOROFORM	8.749	83	753753	9.96	PPBV	98
32) 1,1,1-TRICHLOROETHANE	9.703	97	739936	10.20	PPBV	98
33) CARBON TETRACHLORIDE	10.286	117	899797	10.57	PPBV	100
34) 1,2-DICHLOROETHANE	9.457	62	416483	9.62	PPBV	99
36) BENZENE	10.142	78	744008	9.24	PPBV	97
37) CYCLOHEXANE	10.406	84	383124	10.21	PPBV	93
38) TRICHLOROETHYLENE	11.139	95	458067	11.73	PPBV	97
39) 1,2-DICHLOROPROPANE	10.916	63	243919	9.15	PPBV	96
40) BROMODICHLOROMETHANE	11.100	83	751939	10.54	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.164	57	1374961	8.81	PPBV	98
42) 1,4-DIOXANE	11.132	88	87315	5.73	PPBV #	58
43) HEPTANE	11.400	43	487991	9.01	PPBV	91

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4488.D
Acq On : 4 Sep 2007 5:27 pm
Operator : danat
Sample : icv235-10 (M217)
Misc : MS14204, MSQ235,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 05 13:36:53 2007
Quant Method : C:\msdchem\1\METHODS\Q090407T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Sep 04 16:25:31 2007
Response via : Initial Calibration

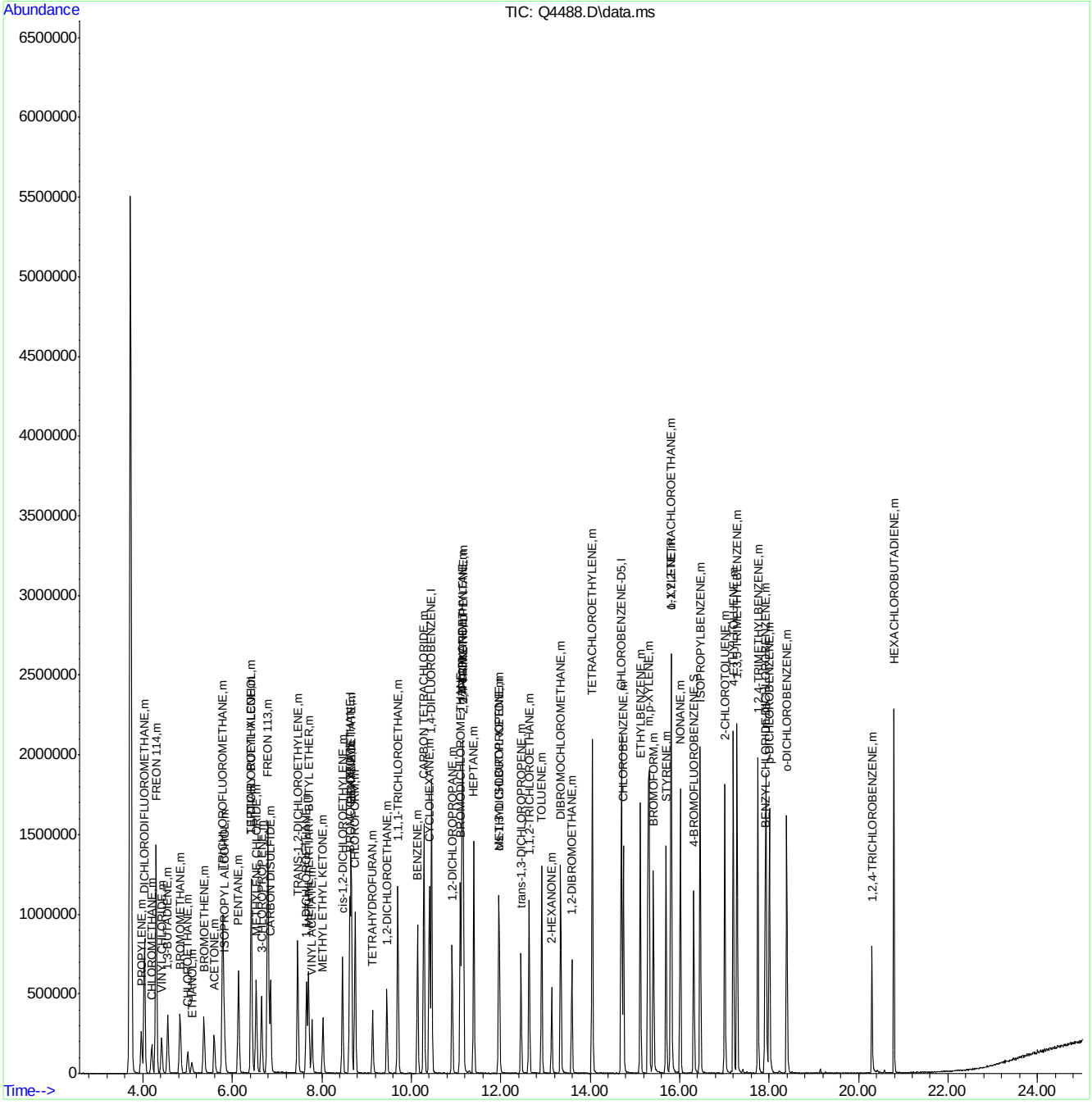
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.970	43	426658	6.31	PPBV	95
45) cis-1,3-DICHLOROPROPENE	11.956	75	370328	8.68	PPBV	91
46) TOLUENE	12.919	92	480394	9.19	PPBV	96
47) trans-1,3-DICHLOROPROPENE	12.454	75	347778	9.22	PPBV	97
48) 1,1,2-TRICHLOROETHANE	12.637	83	263527	9.92	PPBV	98
50) 2-HEXANONE	13.141	43	323524	6.08	PPBV	97
51) TETRACHLOROETHYLENE	14.050	164	438317	10.90	PPBV	96
52) DIBROMOCHLOROMETHANE	13.342	129	651715	10.64	PPBV	100
53) 1,2-DIBROMOETHANE	13.594	107	440119	9.67	PPBV	100
54) CHLOROBENZENE	14.742	112	715633	10.53	PPBV	99
55) ETHYLBENZENE	15.122	91	1091996	9.75	PPBV	100
56) m,p-XYLENE	15.317	106	877058	19.65	PPBV	96
57) o-XYLENE	15.816	106	436349	10.07	PPBV	99
58) STYRENE	15.697	104	604909	10.30	PPBV	98
59) NONANE	16.018	43	571003	7.52	PPBV	96
60) BROMOFORM	15.413	173	601229	10.29	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.802	83	690182	10.60	PPBV	99
63) ISOPROPYLBENZENE	16.460	105	1306584	9.81	PPBV	100
64) 2-CHLOROTOLUENE	17.010	91	949796	9.56	PPBV	98
65) 4-ETHYLTOLUENE	17.200	105	1248246	10.58	PPBV	100
66) 1,3,5-TRIMETHYLBENZENE	17.284	105	1140426	9.61	PPBV	100
67) 1,2,4-TRIMETHYLBENZENE	17.750	105	1006391	9.99	PPBV	99
68) m-DICHLOROBENZENE	17.933	146	665195	11.28	PPBV	99
69) BENZYL CHLORIDE	17.910	91	731744m	10.86	PPBV	
70) p-DICHLOROBENZENE	18.008	146	655101	12.03	PPBV	98
71) o-DICHLOROBENZENE	18.396	146	589389	10.70	PPBV	99
72) HEXACHLOROBUTADIENE	20.790	225	346773	12.42	PPBV	100
73) 1,2,4-TRICHLOROBENZENE	20.299	180	219346	15.37	PPBV	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4488.D
Acq On : 4 Sep 2007 5:27 pm
Operator : danat
Sample : icv235-10 (M217)
Misc : MS14204, MSQ235,,,,,1
ALS Vial : 3 Sample Multiplier: 1

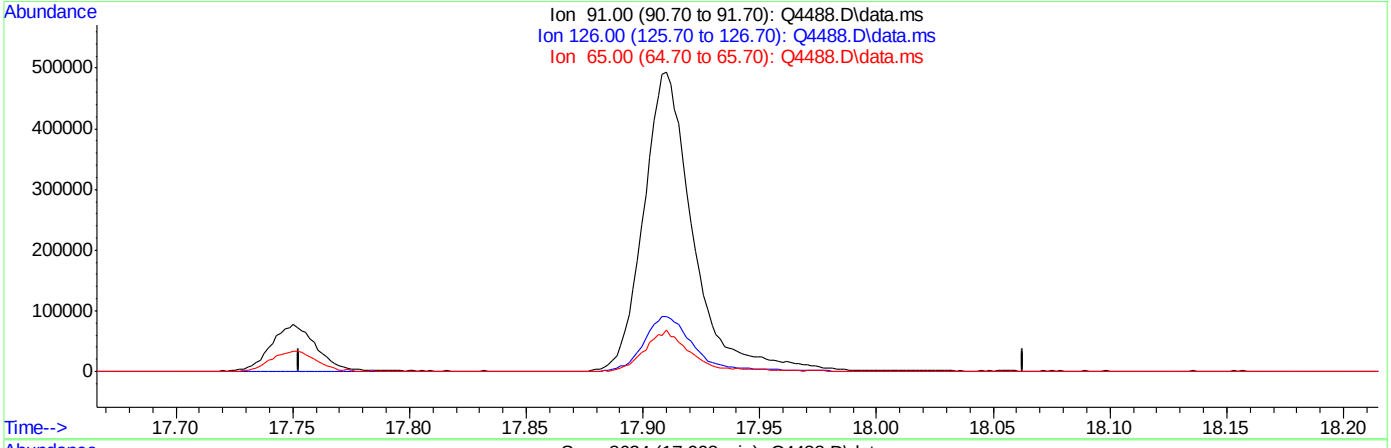
Quant Time: Sep 05 13:36:53 2007
Quant Method : C:\msdchem\1\METHODS\Q090407T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Sep 04 16:25:31 2007
Response via : Initial Calibration

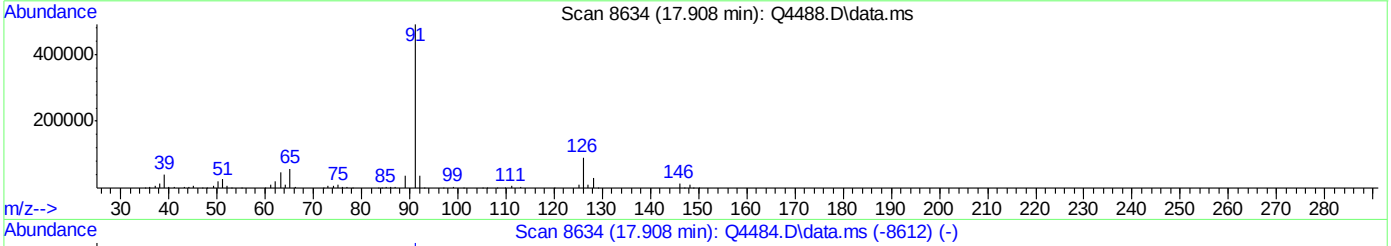


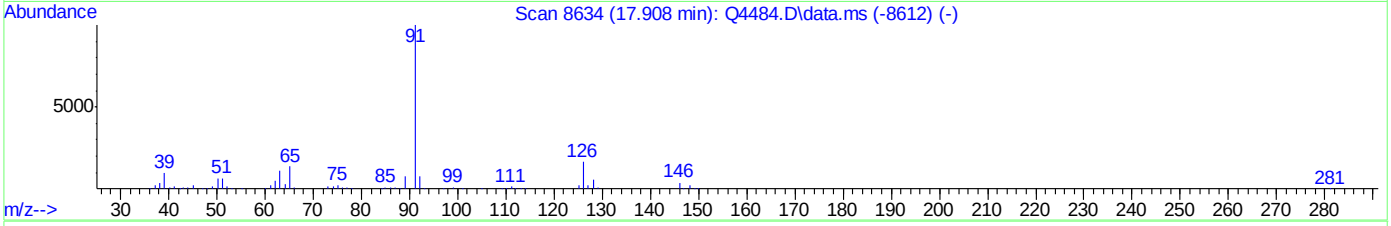
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4488.D
Acq On : 4 Sep 2007 5:27 pm
Operator : danat
Sample : icv235-10 (M217)
Misc : MS14204, MSQ235,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 04 17:53:53 2007
Quant Method : C:\msdchem\1\METHODS\Q090407T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Sep 04 16:25:31 2007
Response via : Initial Calibration







TIC: Q4488.D\data.ms

(69) BENZYL CHLORIDE (m)

17.908min (-17.908) 0.00PPBV

response 0

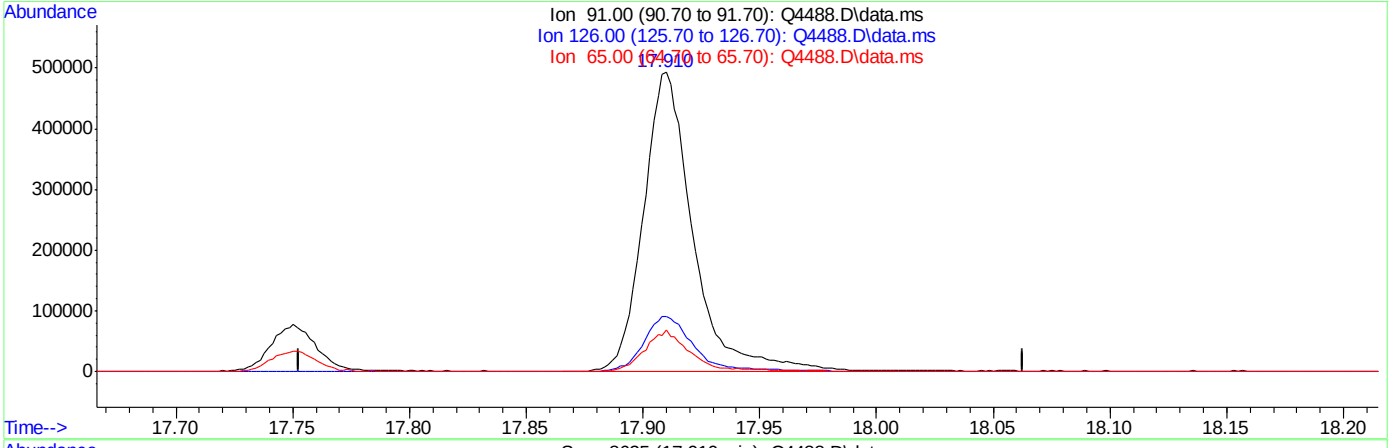
Ion	Exp%	Act%
91.00	100	0.00
126.00	17.50	0.00
65.00	13.40	0.00
0.00	0.00	0.00

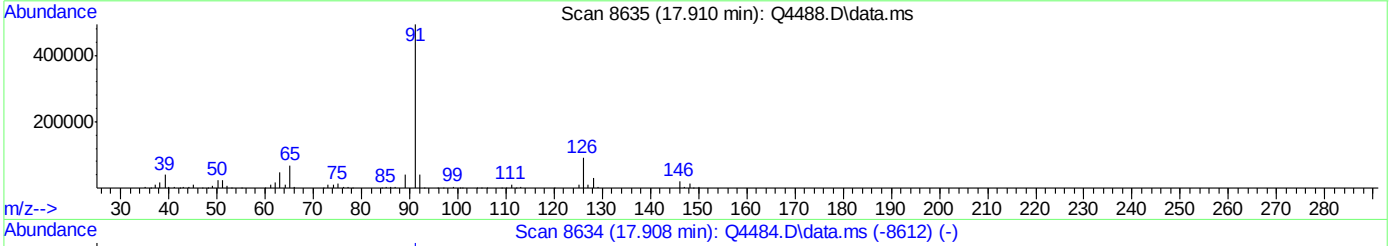
ACCUTEST Laboratories M67337

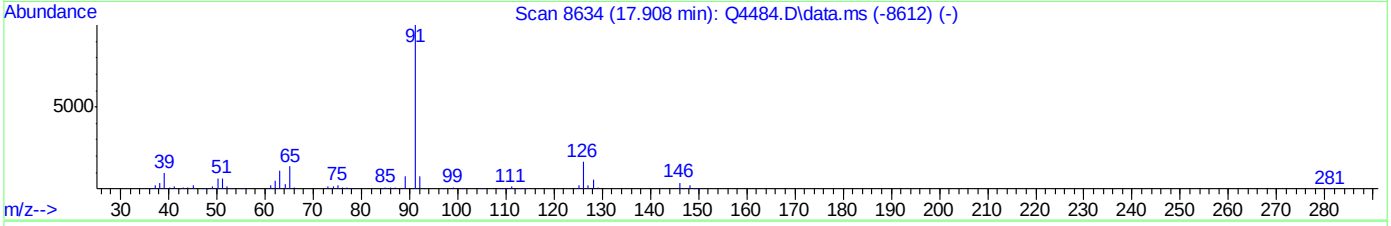
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4488.D
Acq On : 4 Sep 2007 5:27 pm
Operator : danat
Sample : icv235-10 (M217)
Misc : MS14204, MSQ235,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 04 17:53:53 2007
Quant Method : C:\msdchem\1\METHODS\Q090407T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Sep 04 16:25:31 2007
Response via : Initial Calibration







TIC: Q4488.D\data.ms

(69) BENZYL CHLORIDE (m)

17.910min (+0.002) 10.86PPBV m

response 731744

Ion	Exp%	Act%
91.00	100	100
126.00	17.50	0.00
65.00	13.40	0.00
0.00	0.00	0.00

ACCUTEST Laboratories M67337

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	9/4/07
BATCH ID	MSQ235
ANALYST	OT

ALS DATA	
METHOD	QT015
NAMELIST	
QC FILE	

GC/MS DATA	
METHOD	Q090407T.M
SEQ	
ICAL	Q4188

STANDARD DATA		
LOT#	DESCRIPTION	CONC
MSA399	TO15 Std	40 ppbV
MSA400	TO15 Std	2 ppbV
MSA401	TO15 CCV	40 ppbV
MSA390	IOA Std/Surr	40/20 ppbV

Sequence Verified: OT 9/5/07

DATA FILE	SAMPLE ID	CANISTER SERIAL #	TEST	WORK GROUP	ALS	VOL SAMPLE	DIL FACT.	COMMENTS
Q4477	CC234-10	M217		MSA401	3	100		fails half, re-tune & RR
Q4478	CC234-10	M217		↓	3	100		fails low, re-tune & RR
Q4479	CC234-10	M217		↓	3	100		fails, re-calibrate
Q4480	IC235-0.5	M174		MSA400	1	100		
Q4481	IC235-0.2	M174		↓	1	40		
Q4482	IC235-40	M112		MSA399	2	400		
Q4483	IC235-20	M112		↓	2	200		
Q4484	IC235-10	M112		↓	2	100		
Q4485	IC235-5	M112		↓	2	50		
Q4486	IC235-2	M112		↓	2	20		
Q4487	IC235-10	M217		MSA401	3	100		fails high, re-tune mass spec
Q4488A	CC235-10	M217		↓	3	100		non-targets fail low, OK for GEE list
Q4488A	CC235-10	M217		↓	3	100		
Q4488B	BS	M217		↓	3	100		
Q4489	blank	M113			4	400		
Q4490	MB	M113			4	400		
Q4491	M67405-1	M095	GEE list	MS14236	5	400	1	
Q4492	M67405-1 dup	M085	↓	↓	5	400	1	
Q4493	M67337-1	M031			6	400	1	
Q4494	M67337-2	M165	↓	↓	7	400	1	

OT 9/4/07

QA Review: PH 9-6-07

MS004.03 (2/7/06)

ACCUTEST Laboratories M67337