New England ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

08/23/07

Technical Report for

GEI Consultants, Inc.

GEI Tufts Street Somerville MA

045162

Accutest Job Number: M66976

Sampling Date: 08/10/07

Report to:

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

ATTN: Raymond Siegener, Ph.D.

Total number of pages in report: **360**

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: M66976

GEI Tufts Street Somerville MA
Project No: 045162

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
M66976-1	08/10/07	18:21	TAD	08/13/07	AIR	Air	045162-10MORT B
M66976-2	08/10/07	18:23	TAD	08/13/07	AIR	Air	045162-10MORT 1

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	GEI Consultants, Inc.	**Job No**	M66976
Site:	GEI Tufts Street Somerville MA	**Report Date**	8/20/2007 3:22:55 PM

2 Sample(s) were collected on 08/10/2007 and were received at Accutest on 08/13/2007. These Samples received an Accutest job number of M66976. 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:** MSQ228

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) M66975-2DUP were used as the QC samples indicated.
- RPD(s) for Duplicate for Carbon tetrachloride are outside control limits for sample M66975-2DUP. High RPD due to sample levels below reporting limit.
- M66975-2dup has internal standard outside control limits due to possible matrix interference. Confirmed by reanalysis.

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(M66976).

Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Client Sample ID:	045162-10MORT B		
Lab Sample ID:	M66976-1	**Date Sampled:**	08/10/07
Matrix:	AIR - Air Summa ID: M155	**Date Received:**	08/13/07
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	Q4302.D	1	08/15/07	DFT	n/a	n/a	MSQ228
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units
75-00-3	64.52	Chloroethane	ND	0.20	ppbv		ND	0.53	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	ppbv		ND	1.3	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	0.79	0.20	ppbv		4.3	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	0.33	0.20	ppbv		2.2	1.4	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.20	ppbv		ND	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	ppbv		ND	0.51	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	79%		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:	045162-10MORT 1		
Lab Sample ID:	M66976-2	**Date Sampled:**	08/10/07
Matrix:	AIR - Air Summa ID: M147	**Date Received:**	08/13/07
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	Q4303.D	1	08/15/07	DFT	n/a	n/a	MSQ228
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	0.10	0.20	ppbv	J	0.63	1.3	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
127-18-4	165.8	Tetrachloroethylene	ND	0.20	ppbv		ND	1.4	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.20	ppbv		ND	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	ppbv		ND	0.51	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	81%		57-139%

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

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

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

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

ACCUTEST Laboratories

CHAIN OF CUSTODY

Air Sampling Field Data Sheet

Lab Quote #:

Lab Job #: M66976

Client / Reporting Information

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

Project Name: 50 Tufts St
Street: 50 Tufts St
City: Somerville State: MA
Project #: 045162
Client Purchase Order #:

Weather Parameters

Temperature (Fahrenheit)
Start: 70 Maximum:
Stop: 68 Minimum:
Atmospheric Pressure (inches of Hg)
Start: 30.01 Maximum:
Stop: Minimum:
Other weather comment:

Requested Analysis

Standard TO-15 Reporting List
MA DEP APH

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.
-1	045162-10MORT B	I	M155	6	MC093	8-10-07	1413	29	75	TAD	8-10-07	1821	4	75	TAD
-2	045162-10MORT B1	I	M147	6	MFC026	8-10-07	1415	31	75	TAD	8-10-07	1823	5	75	TAD

Turnaround Time (Business days)

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

Approved By:
Date:

Data Deliverable Information

Comm A
Comm B
Full TI
Other:

Comments / Remarks

See attached list

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

Relinquished by Laboratory	Date Time	Received By	Relinquished By	Date Time	Received By
1 GEI lab	8-10-07 1300	1 Tom Daigle	2 Tom Daigle	8-10-07	2 GEI lab
3 Tom Daigle / GEI Lab	8/10/07 1425	3 Ryu Takasokhan	4 Ryu Takasokhan	8/13/07 3:30 p.m.	4 Ryu Takasokhan
Relinquished by: 5	Date Time:	Received By: 5	Custody Seal #		

SM013-01 (2/14/05)

M66976: Chain of Custody
Page 1 of 2

Substab

~~Indoor~~ Air Sampling Analyte List

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

Summa Canister and Flow Controller Log

Job Number: M66976
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA
Received: 08/13/07

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
M155	6	29.4	07/12/07	DFT	CP440	J10843A.D	M66976-1	08/15/07	DFT	3.4			1
M147	6	29.4	07/12/07	DFT	CP442	J10883.D	M66976-2	08/15/07	DFT	2.8			1

FLOW CONTROLLERS

Shipping					Receiving		
Flow Crtl ID	Date Out	By	cc/ min	Time hrs.	Date In	By	cc/ min
MC026	06/26/07	PB	20	4	08/15/07	DFT	22.3
MC093	06/26/07	PB	20	4	08/15/07	DFT	21

Accutest Bottle Order(s):
GEI/7-12-07/TUFTS ST
PB/6-26-07/GEI/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: M66976

GEI Tufts Street Somerville MA
Project No: 045162

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
M66976-1	Collected: 10-AUG-07 18:21 By: TAD		Received: 13-AUG-07 By: RT			
045162-10MORT B						
M66976-1	TO-15	15-AUG-07 15:52	DFT			VTO15STD
M66976-2	Collected: 10-AUG-07 18:23 By: TAD		Received: 13-AUG-07 By: RT			
045162-10MORT 1						
M66976-2	TO-15	15-AUG-07 16:35	DFT			VTO15STD

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Internal Standard Area Summaries
- Initial Calibration RT/ISTD Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: M66976
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSQ228-MB	Q4297.D	1	08/15/07	DFT	n/a	n/a	MSQ228

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

M66976-1, M66976-2

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	72%	57-139%

Method Blank Summary

Job Number: M66976
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: M66976
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: M66976
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSQ228-BS	Q4295A.D	1	08/15/07	DFT	n/a	n/a	MSQ228

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

M66976-1, M66976-2

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	Limits
75-00-3	Chloroethane	10	10.1	101	70-130
56-23-5	Carbon tetrachloride	10	7.7	77	70-130
75-34-3	1,1-Dichloroethane	10	8.9	89	70-130
75-35-4	1,1-Dichloroethylene	10	9.3	93	70-130
107-06-2	1,2-Dichloroethane	10	8.4	84	70-130
156-60-5	trans-1,2-Dichloroethylene	10	9.7	97	70-130
156-59-2	cis-1,2-Dichloroethylene	10	10.4	104	70-130
71-55-6	1,1,1-Trichloroethane	10	7.8	78	70-130
79-34-5	1,1,2,2-Tetrachloroethane	10	8.6	86	70-130
79-00-5	1,1,2-Trichloroethane	10	8.9	89	70-130
127-18-4	Tetrachloroethylene	10	9.1	91	70-130
79-01-6	Trichloroethylene	10	9.0	90	70-130
75-01-4	Vinyl chloride	10	10.7	107	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	105%	57-139%

Blank Spike Summary

Job Number: M66976
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: M66976
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: M66976
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
M66975-2DUP	Q4301.D	1	08/15/07	DFT	n/a	n/a	MSQ228
M66975-2	Q4300.D	1	08/15/07	DFT	n/a	n/a	MSQ228

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

M66976-1, M66976-2

CAS No.	Compound	M66975-2 ppbv	Q	DUP ppbv	Q	RPD	Limits
75-00-3	Chloroethane	ND		ND		nc	25
56-23-5	Carbon tetrachloride	0.13	J	0.10	J	26* [a]	25
75-34-3	1,1-Dichloroethane	ND		ND		nc	25
75-35-4	1,1-Dichloroethylene	ND		ND		nc	25
107-06-2	1,2-Dichloroethane	ND		ND		nc	25
156-60-5	trans-1,2-Dichloroethylene	ND		ND		nc	25
156-59-2	cis-1,2-Dichloroethylene	ND		ND		nc	25
71-55-6	1,1,1-Trichloroethane	0.11	J	0.094	J	16	25
79-34-5	1,1,2,2-Tetrachloroethane	ND		ND		nc	25
79-00-5	1,1,2-Trichloroethane	ND		ND		nc	25
127-18-4	Tetrachloroethylene	0.23		0.18	J	24	25
79-01-6	Trichloroethylene	ND		ND		nc	25
75-01-4	Vinyl chloride	ND		ND		nc	25

CAS No.	Surrogate Recoveries	DUP	M66975-2	Limits
460-00-4	4-Bromofluorobenzene	90%	79%	57-139%

(a) High RPD due to sample levels below reporting limit.

Summa Cleaning Certification

Job Number: M66976
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	J10854.D	1	07/03/07	DFT	n/a	n/a	MSJ561

The QC reported here (Summa M155) applies to the following samples: **Method:** TO-15

Batch CP440 cleaned 06/28/07: M66976-1(M155)

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: M66976
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	J10882.D	1	07/06/07	DFT	n/a	n/a	MSJ562

The QC reported here (Summa M147) applies to the following samples: **Method:** TO-15

Batch CP442 cleaned 07/03/07: M66976-2(M147)

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

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	89%	57-139%

Instrument Performance Check (BFB)

Job Number: M66976
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: M66976
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 M66976)
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: M66976
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: M66976
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 M66976)
M65994-1	J10890.D	07/06/07	14:05	20:09	(used for QC only; not part of job M66976)
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: M66976
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ227-BFB
Lab File ID: Q4261.D
Instrument ID: GCMSQ
Injection Date: 08/13/07
Injection Time: 08:51

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	28613	28.0		Pass
75	30.0 - 66.0% of mass 95	62392	61.0		Pass
95	Base peak, 100% relative abundance	102344	100.0		Pass
96	5.0 - 9.0% of mass 95	7378	7.2		Pass
173	Less than 2.0% of mass 174	220	0.21	(0.29) [a]	Pass
174	50.0 - 120.0% of mass 95	76872	75.1		Pass
175	4.0 - 9.0% of mass 174	6020	5.9	(7.8) [a]	Pass
176	93.0 - 101.0% of mass 174	73232	71.6	(95.3) [a]	Pass
177	5.0 - 9.0% of mass 176	4865	4.8	(6.6) [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
MSQ227-IC227	Q4261.D	08/13/07	08:51	00:00	Initial cal 0.5
MSQ227-IC227	Q4262.D	08/13/07	09:33	00:42	Initial cal 0.2
MSQ227-IC227	Q4264.D	08/13/07	10:59	02:08	Initial cal 20
MSQ227-ICC227	Q4265.D	08/13/07	11:41	02:50	Initial cal 10
MSQ227-IC227	Q4266.D	08/13/07	12:24	03:33	Initial cal 5
MSQ227-IC227	Q4267.D	08/13/07	13:07	04:16	Initial cal 2
MSQ227-IC227	Q4269.D	08/13/07	14:54	06:03	Initial cal 40

Instrument Performance Check (BFB)

Job Number: M66976
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ228-BFB
Lab File ID: Q4295.D
Instrument ID: GCMSQ
Injection Date: 08/15/07
Injection Time: 09:51

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	18372	22.5		Pass
75	30.0 - 66.0% of mass 95	41361	50.7		Pass
95	Base peak, 100% relative abundance	81555	100.0		Pass
96	5.0 - 9.0% of mass 95	5337	6.5		Pass
173	Less than 2.0% of mass 174	56	0.07	(0.09) [a]	Pass
174	50.0 - 120.0% of mass 95	64552	79.2		Pass
175	4.0 - 9.0% of mass 174	3347	4.1	(5.2) [a]	Pass
176	93.0 - 101.0% of mass 174	62399	76.5	(96.7) [a]	Pass
177	5.0 - 9.0% of mass 176	4090	5.0	(6.6) [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
MSQ228-CC227	Q4295.D	08/15/07	09:51	00:00	Continuing cal 10
MSQ228-BS	Q4295A.D	08/15/07	09:51	00:00	Blank Spike
MSQ228-MB	Q4297.D	08/15/07	12:04	02:13	Method Blank
ZZZZZZ	Q4298.D	08/15/07	12:47	02:56	(unrelated sample)
ZZZZZZ	Q4299.D	08/15/07	13:30	03:39	(unrelated sample)
M66975-2	Q4300.D	08/15/07	14:13	04:22	(used for QC only; not part of job M66976)
M66975-2DUP	Q4301.D	08/15/07	15:09	05:18	Duplicate
M66976-1	Q4302.D	08/15/07	15:52	06:01	045162-10MORT B
M66976-2	Q4303.D	08/15/07	16:35	06:44	045162-10MORT 1
ZZZZZZ	Q4305.D	08/15/07	18:02	08:11	(unrelated sample)

Volatile Internal Standard Area Summary

Job Number: M66976
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: M66976
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: M66976
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Check Std:	MSQ228-CC227	**Injection Date:**	08/15/07
Lab File ID:	Q4295.D	**Injection Time:**	09:51
Instrument ID:	GCMSQ	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	113532	8.63	600004	10.46	509656	14.70
Upper Limit [a]	158945	8.96	840006	10.79	713518	15.03
Lower Limit [b]	68119	8.30	360002	10.13	305794	14.37

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
MSQ228-BS	113532	8.63	600004	10.46	509656	14.70
MSQ228-MB	142267	8.63	590543	10.46	470543	14.70
ZZZZZZ	152388	8.63	716658	10.46	589517	14.70
ZZZZZZ	149469	8.63	645875	10.46	533234	14.70
M66975-2	140416	8.63	619836	10.46	506211	14.70
M66975-2DUP	165192[c]	8.63	776718	10.46	672845	14.70
M66976-1	145598	8.63	651976	10.46	511283	14.70
M66976-2	146179	8.63	647556	10.46	525722	14.70
ZZZZZZ	137944	8.63	587521	10.46	476715	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.
(c) Outside control limits due to possible matrix interference. Confirmed by reanalysis.

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66976
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: M66976
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: M66976
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: M66976
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: M66976
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: M66976
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: M66976
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: M66976
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: M66976
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: M66976
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: M66976
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: M66976
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: M66976
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: M66976
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: M66976
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: M66976
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: M66976
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: M66976
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: M66976
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: M66976
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: M66976
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: M66976
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: M66976
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: M66976
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: M66976
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: M66976
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: M66976
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: M66976
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: M66976
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ227-IC227	Q4261.D	08/13/07 08:51	DFT	0.5	GCMSQ	TO-15	Reporting this level
MSQ227-IC227	Q4262.D	08/13/07 09:33	DFT	0.2	GCMSQ	TO-15	
MSQ227-IC227	Q4264.D	08/13/07 10:59	DFT	20	GCMSQ	TO-15	
MSQ227-ICC227	Q4265.D	08/13/07 11:41	DFT	10	GCMSQ	TO-15	
MSQ227-IC227	Q4266.D	08/13/07 12:24	DFT	5	GCMSQ	TO-15	
MSQ227-IC227	Q4267.D	08/13/07 13:07	DFT	2	GCMSQ	TO-15	
MSQ227-IC227	Q4269.D	08/13/07 14:54	DFT	40	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	4.55	8.63	0.527	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	1.061	1.001-1.121
Bromoform	15.42	14.70	1.049	ok	1.049	0.989-1.109
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	1.219	1.159-1.279
Carbon disulfide	6.86	8.63	0.795	ok	0.795	0.735-0.855
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	17.02	14.70	1.158	ok	1.158	1.098-1.218
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	7.67	8.63	0.889	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	13.60	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	11.15	10.46	1.066	ok	1.065	1.005-1.125
Dichlorodifluoromethane	4.04	8.63	0.468	ok	0.468	0.408-0.528
Dibromochloromethane	13.35	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	8.47	8.63	0.981	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.96	10.46	1.143	ok	1.143	1.083-1.203
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	5.10	8.63	0.591	ok	0.591	0.531-0.651
Ethylbenzene	15.13	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	17.21	14.70	1.171	ok	1.171	1.111-1.231
Freon 113	6.80	8.63	0.788	ok	0.788	0.728-0.848
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	8.67	8.63	1.005	ok	1.005	0.945-1.065

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66976
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ227-IC227	Q4261.D	08/13/07 08:51	DFT	0.5	GCMSQ	TO-15	Reporting this level
MSQ227-IC227	Q4262.D	08/13/07 09:33	DFT	0.2	GCMSQ	TO-15	
MSQ227-IC227	Q4264.D	08/13/07 10:59	DFT	20	GCMSQ	TO-15	
MSQ227-ICC227	Q4265.D	08/13/07 11:41	DFT	10	GCMSQ	TO-15	
MSQ227-IC227	Q4266.D	08/13/07 12:24	DFT	5	GCMSQ	TO-15	
MSQ227-IC227	Q4267.D	08/13/07 13:07	DFT	2	GCMSQ	TO-15	
MSQ227-IC227	Q4269.D	08/13/07 14:54	DFT	40	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	16.47	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	8.05	8.63	0.933	ok	0.931	0.871-0.991
Methyl Isobutyl Ketone	11.98	10.46	1.145	ok	1.145	1.085-1.205
Methyl Tert Butyl Ether	7.72	8.63	0.895	ok	0.894	0.834-0.954
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	9.71	8.63	1.125	ok	1.125	1.065-1.185
1,1,2,2-Tetrachloroethane	15.81	14.70	1.076	ok	1.076	1.016-1.136
1,1,2-Trichloroethane	12.64	10.46	1.208	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	17.76	14.70	1.208	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.29	14.70	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.17	10.46	1.068	ok	1.068	1.008-1.128
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	12.92	10.46	1.235	ok	1.235	1.175-1.295
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	0.903	0.843-0.963
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	138763	ok	136973	82184-191762
1,4-Difluorobenzene	10.46	ok	10.46	10.13-10.79	606283	ok	640847	384508-897186
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	502127	ok	537321	322393-752249

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66976
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ227-IC227	Q4261.D	08/13/07 08:51	DFT	0.5	GCMSQ	TO-15	
MSQ227-IC227	Q4262.D	08/13/07 09:33	DFT	0.2	GCMSQ	TO-15	Reporting this level
MSQ227-IC227	Q4264.D	08/13/07 10:59	DFT	20	GCMSQ	TO-15	
MSQ227-ICC227	Q4265.D	08/13/07 11:41	DFT	10	GCMSQ	TO-15	
MSQ227-IC227	Q4266.D	08/13/07 12:24	DFT	5	GCMSQ	TO-15	
MSQ227-IC227	Q4267.D	08/13/07 13:07	DFT	2	GCMSQ	TO-15	
MSQ227-IC227	Q4269.D	08/13/07 14:54	DFT	40	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.62	8.63	0.651	ok	0.649	0.589-0.709
1,3-Butadiene	4.56	8.63	0.528	ok	0.528	0.468-0.588
Benzene	10.15	10.46	0.970	ok	0.970	0.910-1.030
Bromodichloromethane	11.10	10.46	1.061	ok	1.061	1.001-1.121
Bromoform	15.42	14.70	1.049	ok	1.049	0.989-1.109
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	1.219	1.159-1.279
Carbon disulfide	6.85	8.63	0.794	ok	0.795	0.735-0.855
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	8.76	8.63	1.015	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	17.02	14.70	1.158	ok	1.158	1.098-1.218
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	9.47	8.63	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	11.16	10.46	1.067	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	7.47	8.63	0.866	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	11.96	10.46	1.143	ok	1.143	1.083-1.203
m-Dichlorobenzene	17.94	14.70	1.220	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.41	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	5.11	8.63	0.592	ok	0.591	0.531-0.651
Ethylbenzene	15.13	14.70	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.68	8.63	1.006	ok	1.004	0.944-1.064
4-Ethyltoluene	17.21	14.70	1.171	ok	1.171	1.111-1.231
Freon 113	6.79	8.63	0.787	ok	0.788	0.728-0.848
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	8.68	8.63	1.006	ok	1.005	0.945-1.065

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66976
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ227-IC227	Q4261.D	08/13/07 08:51	DFT	0.5	GCMSQ	TO-15	
MSQ227-IC227	Q4262.D	08/13/07 09:33	DFT	0.2	GCMSQ	TO-15	Reporting this level
MSQ227-IC227	Q4264.D	08/13/07 10:59	DFT	20	GCMSQ	TO-15	
MSQ227-ICC227	Q4265.D	08/13/07 11:41	DFT	10	GCMSQ	TO-15	
MSQ227-IC227	Q4266.D	08/13/07 12:24	DFT	5	GCMSQ	TO-15	
MSQ227-IC227	Q4267.D	08/13/07 13:07	DFT	2	GCMSQ	TO-15	
MSQ227-IC227	Q4269.D	08/13/07 14:54	DFT	40	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.16	14.70	0.895	ok	0.894	0.834-0.954
Isopropylbenzene	16.47	14.70	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.86	8.63	0.679	ok	0.676	0.616-0.736
Methylene chloride	6.55	8.63	0.759	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	7.73	8.63	0.896	ok	0.894	0.834-0.954
Nonane	16.02	14.70	1.090	ok	1.090	1.030-1.150
Pentane	6.16	8.63	0.714	ok	0.712	0.652-0.772
Propylene	3.98	8.63	0.461	ok	0.460	0.400-0.520
Styrene	15.71	14.70	1.069	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.71	8.63	1.125	ok	1.125	1.065-1.185
1,1,2,2-Tetrachloroethane	15.81	14.70	1.076	ok	1.076	1.016-1.136
1,1,2-Trichloroethane	12.65	10.46	1.209	ok	1.209	1.149-1.269
1,2,4-Trimethylbenzene	17.75	14.70	1.207	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.29	14.70	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.17	10.46	1.068	ok	1.068	1.008-1.128
Tertiary Butyl Alcohol	6.46	8.63	0.749	ok	0.746	0.686-0.806
Tetrachloroethylene	14.06	14.70	0.956	ok	0.956	0.896-1.016
Tetrahydrofuran	9.17	8.63	1.063	ok	1.060	1.000-1.120
Toluene	12.92	10.46	1.235	ok	1.235	1.175-1.295
Trichloroethylene	11.15	10.46	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	4.42	8.63	0.512	ok	0.512	0.452-0.572
Vinyl Acetate	7.80	8.63	0.904	ok	0.903	0.843-0.963
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	156975	ok	136973	82184-191762
1,4-Difluorobenzene	10.46	ok	10.46	10.13-10.79	687838	ok	640847	384508-897186
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	571763	ok	537321	322393-752249

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66976
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ227-IC227	Q4261.D	08/13/07 08:51	DFT	0.5	GCMSQ	TO-15	
MSQ227-IC227	Q4262.D	08/13/07 09:33	DFT	0.2	GCMSQ	TO-15	
MSQ227-IC227	Q4264.D	08/13/07 10:59	DFT	20	GCMSQ	TO-15	Reporting this level
MSQ227-ICC227	Q4265.D	08/13/07 11:41	DFT	10	GCMSQ	TO-15	
MSQ227-IC227	Q4266.D	08/13/07 12:24	DFT	5	GCMSQ	TO-15	
MSQ227-IC227	Q4267.D	08/13/07 13:07	DFT	2	GCMSQ	TO-15	
MSQ227-IC227	Q4269.D	08/13/07 14:54	DFT	40	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	10.15	10.46	0.970	ok	0.970	0.910-1.030
Bromodichloromethane	11.11	10.46	1.062	ok	1.061	1.001-1.121
Bromoform	15.42	14.70	1.049	ok	1.049	0.989-1.109
Bromomethane	4.84	8.63	0.561	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	1.219	1.159-1.279
Carbon disulfide	6.86	8.63	0.795	ok	0.795	0.735-0.855
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	6.66	8.63	0.772	ok	0.771	0.711-0.831
2-Chlorotoluene	17.02	14.70	1.158	ok	1.158	1.098-1.218
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	7.47	8.63	0.866	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	11.96	10.46	1.143	ok	1.143	1.083-1.203
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	5.10	8.63	0.591	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	1.171	1.111-1.231
Freon 113	6.80	8.63	0.788	ok	0.788	0.728-0.848
Freon 114	4.30	8.63	0.498	ok	0.498	0.438-0.558
Heptane	11.41	10.46	1.091	ok	1.090	1.030-1.150
Hexachlorobutadiene	20.80	14.70	1.415	ok	1.414	1.354-1.474
Hexane	8.67	8.63	1.005	ok	1.005	0.945-1.065

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66976
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ227-IC227	Q4261.D	08/13/07 08:51	DFT	0.5	GCMSQ	TO-15	
MSQ227-IC227	Q4262.D	08/13/07 09:33	DFT	0.2	GCMSQ	TO-15	
MSQ227-IC227	Q4264.D	08/13/07 10:59	DFT	20	GCMSQ	TO-15	Reporting this level
MSQ227-ICC227	Q4265.D	08/13/07 11:41	DFT	10	GCMSQ	TO-15	
MSQ227-IC227	Q4266.D	08/13/07 12:24	DFT	5	GCMSQ	TO-15	
MSQ227-IC227	Q4267.D	08/13/07 13:07	DFT	2	GCMSQ	TO-15	
MSQ227-IC227	Q4269.D	08/13/07 14:54	DFT	40	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	8.03	8.63	0.930	ok	0.931	0.871-0.991
Methyl Isobutyl Ketone	11.98	10.46	1.145	ok	1.145	1.085-1.205
Methyl Tert Butyl Ether	7.71	8.63	0.893	ok	0.894	0.834-0.954
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	9.71	8.63	1.125	ok	1.125	1.065-1.185
1,1,2,2-Tetrachloroethane	15.81	14.70	1.076	ok	1.076	1.016-1.136
1,1,2-Trichloroethane	12.64	10.46	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	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.29	14.70	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.17	10.46	1.068	ok	1.068	1.008-1.128
Tertiary Butyl Alcohol	6.43	8.63	0.745	ok	0.746	0.686-0.806
Tetrachloroethylene	14.06	14.70	0.956	ok	0.956	0.896-1.016
Tetrahydrofuran	9.14	8.63	1.059	ok	1.060	1.000-1.120
Toluene	12.92	10.46	1.235	ok	1.235	1.175-1.295
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	0.903	0.843-0.963
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	104707	ok	136973	82184-191762
1,4-Difluorobenzene	10.46	ok	10.46	10.13-10.79	499793	ok	640847	384508-897186
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	413942	ok	537321	322393-752249

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66976
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ227-IC227	Q4261.D	08/13/07 08:51	DFT	0.5	GCMSQ	TO-15	
MSQ227-IC227	Q4262.D	08/13/07 09:33	DFT	0.2	GCMSQ	TO-15	
MSQ227-IC227	Q4264.D	08/13/07 10:59	DFT	20	GCMSQ	TO-15	
MSQ227-ICC227	Q4265.D	08/13/07 11:41	DFT	10	GCMSQ	TO-15	Reporting this level
MSQ227-IC227	Q4266.D	08/13/07 12:24	DFT	5	GCMSQ	TO-15	
MSQ227-IC227	Q4267.D	08/13/07 13:07	DFT	2	GCMSQ	TO-15	
MSQ227-IC227	Q4269.D	08/13/07 14:54	DFT	40	GCMSQ	TO-15	

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	4.55	8.63	0.527	ok	0.528	0.468-0.588
Benzene	10.15	10.46	0.970	ok	0.970	0.910-1.030
Bromodichloromethane	11.10	10.46	1.061	ok	1.061	1.001-1.121
Bromoform	15.42	14.70	1.049	ok	1.049	0.989-1.109
Bromomethane	4.84	8.63	0.561	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	1.219	1.159-1.279
Carbon disulfide	6.86	8.63	0.795	ok	0.795	0.735-0.855
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	6.66	8.63	0.772	ok	0.771	0.711-0.831
2-Chlorotoluene	17.02	14.70	1.158	ok	1.158	1.098-1.218
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	6.43	8.63	0.745	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	7.47	8.63	0.866	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	11.96	10.46	1.143	ok	1.143	1.083-1.203
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	5.10	8.63	0.591	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	1.171	1.111-1.231
Freon 113	6.80	8.63	0.788	ok	0.788	0.728-0.848
Freon 114	4.30	8.63	0.498	ok	0.498	0.438-0.558
Heptane	11.41	10.46	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	1.005	0.945-1.065

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66976
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ227-IC227	Q4261.D	08/13/07 08:51	DFT	0.5	GCMSQ	TO-15	
MSQ227-IC227	Q4262.D	08/13/07 09:33	DFT	0.2	GCMSQ	TO-15	
MSQ227-IC227	Q4264.D	08/13/07 10:59	DFT	20	GCMSQ	TO-15	
MSQ227-ICC227	Q4265.D	08/13/07 11:41	DFT	10	GCMSQ	TO-15	Reporting this level
MSQ227-IC227	Q4266.D	08/13/07 12:24	DFT	5	GCMSQ	TO-15	
MSQ227-IC227	Q4267.D	08/13/07 13:07	DFT	2	GCMSQ	TO-15	
MSQ227-IC227	Q4269.D	08/13/07 14:54	DFT	40	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	5.83	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	8.03	8.63	0.930	ok	0.931	0.871-0.991
Methyl Isobutyl Ketone	11.98	10.46	1.145	ok	1.145	1.085-1.205
Methyl Tert Butyl Ether	7.71	8.63	0.893	ok	0.894	0.834-0.954
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	9.71	8.63	1.125	ok	1.125	1.065-1.185
1,1,2,2-Tetrachloroethane	15.81	14.70	1.076	ok	1.076	1.016-1.136
1,1,2-Trichloroethane	12.64	10.46	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	17.76	14.70	1.208	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.29	14.70	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.17	10.46	1.068	ok	1.068	1.008-1.128
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	9.14	8.63	1.059	ok	1.060	1.000-1.120
Toluene	12.92	10.46	1.235	ok	1.235	1.175-1.295
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	4.43	8.63	0.513	ok	0.512	0.452-0.572
Vinyl Acetate	7.79	8.63	0.903	ok	0.903	0.843-0.963
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	120773	ok	136973	82184-191762
1,4-Difluorobenzene	10.46	ok	10.46	10.13-10.79	562911	ok	640847	384508-897186
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	468170	ok	537321	322393-752249

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66976
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ227-IC227	Q4261.D	08/13/07 08:51	DFT	0.5	GCMSQ	TO-15	
MSQ227-IC227	Q4262.D	08/13/07 09:33	DFT	0.2	GCMSQ	TO-15	
MSQ227-IC227	Q4264.D	08/13/07 10:59	DFT	20	GCMSQ	TO-15	
MSQ227-ICC227	Q4265.D	08/13/07 11:41	DFT	10	GCMSQ	TO-15	
MSQ227-IC227	Q4266.D	08/13/07 12:24	DFT	5	GCMSQ	TO-15	Reporting this level
MSQ227-IC227	Q4267.D	08/13/07 13:07	DFT	2	GCMSQ	TO-15	
MSQ227-IC227	Q4269.D	08/13/07 14:54	DFT	40	GCMSQ	TO-15	

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	10.15	10.46	0.970	ok	0.970	0.910-1.030
Bromodichloromethane	11.10	10.46	1.061	ok	1.061	1.001-1.121
Bromoform	15.42	14.70	1.049	ok	1.049	0.989-1.109
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	1.219	1.159-1.279
Carbon disulfide	6.86	8.63	0.795	ok	0.795	0.735-0.855
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	6.66	8.63	0.772	ok	0.771	0.711-0.831
2-Chlorotoluene	17.02	14.70	1.158	ok	1.158	1.098-1.218
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	4.03	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	8.47	8.63	0.981	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.96	10.46	1.143	ok	1.143	1.083-1.203
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	5.10	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	1.171	1.111-1.231
Freon 113	6.80	8.63	0.788	ok	0.788	0.728-0.848
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	8.67	8.63	1.005	ok	1.005	0.945-1.065

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66976
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ227-IC227	Q4261.D	08/13/07 08:51	DFT	0.5	GCMSQ	TO-15	
MSQ227-IC227	Q4262.D	08/13/07 09:33	DFT	0.2	GCMSQ	TO-15	
MSQ227-IC227	Q4264.D	08/13/07 10:59	DFT	20	GCMSQ	TO-15	
MSQ227-ICC227	Q4265.D	08/13/07 11:41	DFT	10	GCMSQ	TO-15	
MSQ227-IC227	Q4266.D	08/13/07 12:24	DFT	5	GCMSQ	TO-15	Reporting this level
MSQ227-IC227	Q4267.D	08/13/07 13:07	DFT	2	GCMSQ	TO-15	
MSQ227-IC227	Q4269.D	08/13/07 14:54	DFT	40	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	16.47	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	8.03	8.63	0.930	ok	0.931	0.871-0.991
Methyl Isobutyl Ketone	11.98	10.46	1.145	ok	1.145	1.085-1.205
Methyl Tert Butyl Ether	7.71	8.63	0.893	ok	0.894	0.834-0.954
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	9.71	8.63	1.125	ok	1.125	1.065-1.185
1,1,2,2-Tetrachloroethane	15.81	14.70	1.076	ok	1.076	1.016-1.136
1,1,2-Trichloroethane	12.64	10.46	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	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.29	14.70	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.17	10.46	1.068	ok	1.068	1.008-1.128
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	9.14	8.63	1.059	ok	1.060	1.000-1.120
Toluene	12.92	10.46	1.235	ok	1.235	1.175-1.295
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	0.903	0.843-0.963
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	153309	ok	136973	82184-191762
1,4-Difluorobenzene	10.46	ok	10.46	10.13-10.79	771417	ok	640847	384508-897186
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	649401	ok	537321	322393-752249

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66976
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ227-IC227	Q4261.D	08/13/07 08:51	DFT	0.5	GCMSQ	TO-15	
MSQ227-IC227	Q4262.D	08/13/07 09:33	DFT	0.2	GCMSQ	TO-15	
MSQ227-IC227	Q4264.D	08/13/07 10:59	DFT	20	GCMSQ	TO-15	
MSQ227-ICC227	Q4265.D	08/13/07 11:41	DFT	10	GCMSQ	TO-15	
MSQ227-IC227	Q4266.D	08/13/07 12:24	DFT	5	GCMSQ	TO-15	
MSQ227-IC227	Q4267.D	08/13/07 13:07	DFT	2	GCMSQ	TO-15	Reporting this level
MSQ227-IC227	Q4269.D	08/13/07 14:54	DFT	40	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	10.15	10.46	0.970	ok	0.970	0.910-1.030
Bromodichloromethane	11.10	10.46	1.061	ok	1.061	1.001-1.121
Bromoform	15.42	14.70	1.049	ok	1.049	0.989-1.109
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	1.219	1.159-1.279
Carbon disulfide	6.86	8.63	0.795	ok	0.795	0.735-0.855
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	17.02	14.70	1.158	ok	1.158	1.098-1.218
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	11.14	10.46	1.065	ok	1.065	1.005-1.125
Dichlorodifluoromethane	4.03	8.63	0.467	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	7.47	8.63	0.866	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	11.96	10.46	1.143	ok	1.143	1.083-1.203
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	8.67	8.63	1.005	ok	1.004	0.944-1.064
4-Ethyltoluene	17.21	14.70	1.171	ok	1.171	1.111-1.231
Freon 113	6.79	8.63	0.787	ok	0.788	0.728-0.848
Freon 114	4.29	8.63	0.497	ok	0.498	0.438-0.558
Heptane	11.41	10.46	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	1.005	0.945-1.065

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66976
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ227-IC227	Q4261.D	08/13/07 08:51	DFT	0.5	GCMSQ	TO-15	
MSQ227-IC227	Q4262.D	08/13/07 09:33	DFT	0.2	GCMSQ	TO-15	
MSQ227-IC227	Q4264.D	08/13/07 10:59	DFT	20	GCMSQ	TO-15	
MSQ227-ICC227	Q4265.D	08/13/07 11:41	DFT	10	GCMSQ	TO-15	
MSQ227-IC227	Q4266.D	08/13/07 12:24	DFT	5	GCMSQ	TO-15	
MSQ227-IC227	Q4267.D	08/13/07 13:07	DFT	2	GCMSQ	TO-15	Reporting this level
MSQ227-IC227	Q4269.D	08/13/07 14:54	DFT	40	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	16.47	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	10.46	1.145	ok	1.145	1.085-1.205
Methyl Tert Butyl Ether	7.71	8.63	0.893	ok	0.894	0.834-0.954
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	15.71	14.70	1.069	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.71	8.63	1.125	ok	1.125	1.065-1.185
1,1,2,2-Tetrachloroethane	15.81	14.70	1.076	ok	1.076	1.016-1.136
1,1,2-Trichloroethane	12.64	10.46	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	17.76	14.70	1.208	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.29	14.70	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.17	10.46	1.068	ok	1.068	1.008-1.128
Tertiary Butyl Alcohol	6.44	8.63	0.746	ok	0.746	0.686-0.806
Tetrachloroethylene	14.05	14.70	0.956	ok	0.956	0.896-1.016
Tetrahydrofuran	9.16	8.63	1.061	ok	1.060	1.000-1.120
Toluene	12.92	10.46	1.235	ok	1.235	1.175-1.295
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	0.903	0.843-0.963
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	166943	ok	136973	82184-191762
1,4-Difluorobenzene	10.46	ok	10.46	10.13-10.79	781603	ok	640847	384508-897186
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	647645	ok	537321	322393-752249

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66976
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ227-IC227	Q4261.D	08/13/07 08:51	DFT	0.5	GCMSQ	TO-15	
MSQ227-IC227	Q4262.D	08/13/07 09:33	DFT	0.2	GCMSQ	TO-15	
MSQ227-IC227	Q4264.D	08/13/07 10:59	DFT	20	GCMSQ	TO-15	
MSQ227-ICC227	Q4265.D	08/13/07 11:41	DFT	10	GCMSQ	TO-15	
MSQ227-IC227	Q4266.D	08/13/07 12:24	DFT	5	GCMSQ	TO-15	
MSQ227-IC227	Q4267.D	08/13/07 13:07	DFT	2	GCMSQ	TO-15	
MSQ227-IC227	Q4269.D	08/13/07 14:54	DFT	40	GCMSQ	TO-15	Reporting this level

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	10.15	10.46	0.970	ok	0.970	0.910-1.030
Bromodichloromethane	11.11	10.46	1.062	ok	1.061	1.001-1.121
Bromoform	15.42	14.70	1.049	ok	1.049	0.989-1.109
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
Carbon disulfide	6.86	8.63	0.795	ok	0.795	0.735-0.855
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	6.66	8.63	0.772	ok	0.771	0.711-0.831
2-Chlorotoluene	17.02	14.70	1.158	ok	1.158	1.098-1.218
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	6.43	8.63	0.745	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	7.47	8.63	0.866	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	11.96	10.46	1.143	ok	1.143	1.083-1.203
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	17.21	14.70	1.171	ok	1.171	1.111-1.231
Freon 113	6.80	8.63	0.788	ok	0.788	0.728-0.848
Freon 114	4.30	8.63	0.498	ok	0.498	0.438-0.558
Heptane	11.41	10.46	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	1.005	0.945-1.065
2-Hexanone	13.14	14.70	0.894	ok	0.894	0.834-0.954

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66976
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ227-IC227	Q4261.D	08/13/07 08:51	DFT	0.5	GCMSQ	TO-15	
MSQ227-IC227	Q4262.D	08/13/07 09:33	DFT	0.2	GCMSQ	TO-15	
MSQ227-IC227	Q4264.D	08/13/07 10:59	DFT	20	GCMSQ	TO-15	
MSQ227-ICC227	Q4265.D	08/13/07 11:41	DFT	10	GCMSQ	TO-15	
MSQ227-IC227	Q4266.D	08/13/07 12:24	DFT	5	GCMSQ	TO-15	
MSQ227-IC227	Q4267.D	08/13/07 13:07	DFT	2	GCMSQ	TO-15	
MSQ227-IC227	Q4269.D	08/13/07 14:54	DFT	40	GCMSQ	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
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	8.03	8.63	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	8.63	0.892	ok	0.894	0.834-0.954
Nonane	16.03	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	15.71	14.70	1.069	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.71	8.63	1.125	ok	1.125	1.065-1.185
1,1,2,2-Tetrachloroethane	15.81	14.70	1.076	ok	1.076	1.016-1.136
1,1,2-Trichloroethane	12.64	10.46	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	17.76	14.70	1.208	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.29	14.70	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.17	10.46	1.068	ok	1.068	1.008-1.128
Tertiary Butyl Alcohol	6.43	8.63	0.745	ok	0.746	0.686-0.806
Tetrachloroethylene	14.06	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	1.235	1.175-1.295
Trichloroethylene	11.15	10.46	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	4.42	8.63	0.512	ok	0.512	0.452-0.572
Vinyl Acetate	7.79	8.63	0.903	ok	0.903	0.843-0.963
m,p-Xylene	15.33	14.70	1.043	ok	1.042	0.982-1.102
o-Xylene	15.83	14.70	1.077	ok	1.076	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	117338	ok	136973	82184-191762
1,4-Difluorobenzene	10.46	ok	10.46	10.13-10.79	576085	ok	640847	384508-897186
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	508200	ok	537321	322393-752249

Volatile Surrogate Recovery Summary

Job Number: M66976
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
M66976-1	Q4302.D	79.0
M66976-2	Q4303.D	81.0
M66975-2DUP	Q4301.D	90.0
MSJ561-SCC	J10854.D	82.0
MSJ562-SCC	J10882.D	89.0
MSQ228-BS	Q4295A.D	105.0
MSQ228-MB	Q4297.D	72.0
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: M66976
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: M66976
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: M66976
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: M66976
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: M66976
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: M66976
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: M66976
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: M66976
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: M66976
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: M66976
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: M66976 **Sample:** MSJ562-ICC562
Account: GEI GEI Consultants, Inc. **Lab FileID:** J10865.D
Project: GEI Tufts Street Somerville MA

```
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: M66976
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: M66976
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: M66976
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: M66976
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: M66976
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: M66976
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: M66976
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: M66976
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ227-ICC227
Lab FileID: Q4265.D

Response Factor Report MAMSQ

```
Method       : C:\msdchem\1\METHODS\Q081307T.m (RTE Integrator)
Title        :  TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update  : Mon Aug 13 15:27:19 2007
Response via : Initial Calibration

Calibration Files
.2     =Q4262.D      .5     =Q4261.D      2      =Q4267.D
5    =Q4266.D     10   =Q4265.D     20   =Q4264.D     40   =Q4269.D

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

1) I   BROMOCHLOROMETHANE    ----------------ISTD---------------------
2)m DICHLORODIFLUOROM 6.486 7.386 5.174 5.061 4.565 5.348 5.278 5.614  17.34
3)m PROPYLENE         0.778 1.158 0.760 0.703 0.536 0.659 0.762 0.765  25.17
4)m FREON 114         5.931 5.983 4.597 4.502 3.735 5.182 5.446 5.054  16.27
5)m CHLOROMETHANE     1.417 1.355 1.232 1.150 0.782 1.108 1.183 1.175  17.50
6)m VINYL CHLORIDE    1.292 1.585 1.397 1.368 1.025 1.404 1.456 1.361  12.73
7)m 1,3-BUTADIENE     1.009 1.324 1.249 1.122 0.863 1.133 1.177 1.125  13.57
8)m BROMOMETHANE      1.698 1.832 1.415 1.463 1.194 1.568 1.614 1.541  13.45
9)m CHLOROETHANE      0.609 0.631 0.616 0.626 0.483 0.640 0.645 0.607   9.25
10)m TRICHLOROFLUOROME 6.492 7.630 5.317 5.834 4.880 5.934 5.771 5.980  14.80
11)m ISOPROPYL ALCOHOL 2.712 3.280 2.423 3.115 1.939 2.336 2.435 2.606  17.90
12)m ACETONE          9.028 7.657 2.556 3.066 1.823 2.108 2.366 4.087  72.42
         ----- Quadratic regression -----  Coefficient =  0.9963
              Response Ratio = 0.27312 + 1.62348 *A + 0.16846 *A^2

13)m PENTANE          1.741 2.038 1.564 1.809 1.166 1.405 1.487 1.602  17.95
14)m 1,1-DICHLOROETHYL 1.345 1.758 1.323 1.602 1.357 1.655 1.662 1.529  11.86
15)m CARBON DISULFIDE  4.830 5.753 4.370 5.282 4.252 4.822 4.835 4.878  10.54
16)m ETHANOL          0.764 0.875 0.539 0.650 0.354 0.427 0.477 0.584  32.20
         ----- Quadratic regression -----  Coefficient =  0.9942
              Response Ratio = 0.03957 + 0.34644 *A + 0.03002 *A^2

17)m BROMOETHENE      1.257 1.590 1.304 1.377 1.190 1.509 1.575 1.400  11.41
18)m METHYLENE CHLORID 5.506 5.252 1.427 1.495 1.209 1.474 1.459 2.546  76.15
  ----- Linear regression  (equal Weighting)-----  Coefficient =  0.9962
              Response Ratio = 0.02969 + 1.44040 *A

19)m 3-CHLOROPROPENE  1.754 1.973 1.498 1.880 1.667 2.006 2.050 1.833  11.03
20)m FREON 113        3.542 3.839 2.398 2.748 2.545 3.139 3.036 3.035  17.24
21)m TRANS-1,2-DICHLOR 1.392 1.762 1.304 1.334 1.398 1.690 1.320 1.457  12.91
22)m TERTIARY BUTYL AL 2.663 3.430 3.119 3.997 3.024 3.519 1.606 3.051  25.04
23)m METHYL TERTIARY B 2.872 3.640 3.198 3.678 3.852 4.362 3.626 3.604  13.13
24)m TETRAHYDROFURAN  0.500 0.696 0.812 1.198 0.852 0.907 0.995 0.851  25.95
25)m HEXANE           1.830 2.162 1.510 1.983 1.554 1.609 1.693 1.763  13.66
26)m VINYL ACETATE    2.544 3.162 2.712 3.013 3.246 3.550 2.808 3.005  11.50
27)m 1,1-DICHLOROETHAN 3.430 3.658 2.672 2.843 3.220 3.604 2.594 3.146  14.09
28)m METHYL ETHYL KETO 1.798 2.553 2.154 2.743 2.223 2.203 2.180 2.265  13.41
29)m cis-1,2-DICHLOROE 0.819 1.033 0.872 1.175 1.064 1.295 1.352 1.087  18.50
30)m ETHYL ACETATE    3.105 3.908 3.271 4.209 3.067 3.150 3.417 3.447  12.84
31)m CHLOROFORM       3.751 4.361 3.100 3.770 3.299 3.683 3.692 3.665  10.90
32)m 1,1,1-TRICHLOROET 3.650 4.319 3.022 3.826 3.525 4.090 4.036 3.781  11.38
33)m CARBON TETRACHLOR 4.501 5.188 3.602 4.475 4.195 4.622 4.385 4.424  10.77
34)m 1,2-DICHLOROETHAN 1.896 2.477 1.954 2.556 2.180 2.531 2.601 2.314  12.92

35) I   1,4-DIFLUOROBENZENE   ----------------ISTD---------------------
36)m BENZENE          0.459 0.665 0.545 0.706 0.585 0.721 0.744 0.632  16.70
```

Initial Calibration Summary

Job Number: M66976
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ227-ICC227
Lab FileID: Q4265.D

```
37)m CYCLOHEXANE       0.159 0.245 0.241 0.331 0.275 0.311 0.309 0.267  22.02
38)m TRICHLOROETHYLENE 0.305 0.427 0.333 0.427 0.374 0.444 0.456 0.395  14.84
39)m 1,2-DICHLOROPROPA 0.190 0.260 0.201 0.252 0.191 0.223 0.241 0.223  13.11
40)m BROMODICHLOROMETH 0.713 0.891 0.611 0.769 0.697 0.838 0.826 0.764  12.65
41)m 2,2,4-TRIMETHYLPE 0.734 1.101 1.010 1.260 1.055 1.222 1.278 1.094  17.35
42)m 1,4-DIOXANE       0.071 0.135 0.108 0.154 0.123 0.150 0.162 0.129  24.45
43)m HEPTANE           0.228 0.349 0.312 0.447 0.372 0.422 0.430 0.366  21.15
44)m METHYL ISOBUTYL K 0.268 0.408 0.464 0.681 0.515 0.570 0.617 0.503  27.51
45)m cis-1,3-DICHLOROP 0.177 0.261 0.247 0.372 0.320 0.401 0.451 0.318  30.27
         ----- Quadratic regression -----  Coefficient =  0.9991
              Response Ratio = -0.00880 + 0.33669 *A + 0.02933 *A^2

46)m TOLUENE           0.200 0.342 0.296 0.459 0.390 0.490 0.547 0.389  30.92
         ----- Quadratic regression -----  Coefficient =  0.9990
              Response Ratio = -0.01072 + 0.41310 *A + 0.03443 *A^2

47)m trans-1,3-DICHLOR 0.130 0.188 0.218 0.346 0.313 0.388 0.446 0.290  39.44
         ----- Quadratic regression -----  Coefficient =  0.9994
              Response Ratio = -0.01076 + 0.32106 *A + 0.03197 *A^2

48)m 1,1,2-TRICHLOROET 0.222 0.298 0.222 0.281 0.209 0.253 0.277 0.252  13.78

49) I   CHLOROBENZENE-D5      ----------------ISTD---------------------
50)m 2-HEXANONE        0.213 0.358 0.407 0.657 0.517 0.610 0.601 0.480  33.51
         ----- Quadratic regression -----  Coefficient =  0.9983
              Response Ratio = -0.01647 + 0.59690 *A + 0.00231 *A^2

51)m TETRACHLOROETHYLE 0.342 0.453 0.310 0.391 0.375 0.507 0.515 0.413  19.37
52)m DIBROMOCHLOROMETH 0.628 0.819 0.590 0.733 0.685 0.899 0.881 0.748  16.29
53)m 1,2-DIBROMOETHANE 0.318 0.475 0.395 0.517 0.436 0.544 0.577 0.466  19.38
54)m CHLOROBENZENE     0.562 0.669 0.613 0.770 0.635 0.797 0.833 0.697  14.80
55)m ETHYLBENZENE      0.493 0.752 0.806 1.296 1.097 1.362 1.476 1.040  35.07
         ----- Quadratic regression -----  Coefficient =  0.9989
              Response Ratio = -0.03886 + 1.19714 *A + 0.07288 *A^2

56)m m,p-XYLENE        0.160 0.135 0.330 0.475 0.408 0.511 0.552 0.367  45.36
         ----- Quadratic regression -----  Coefficient =  0.9989
              Response Ratio = -0.03383 + 0.45060 *A + 0.01337 *A^2

57)m o-XYLENE          0.150 0.260 0.316 0.468 0.408 0.532 0.561 0.385  39.10
         ----- Quadratic regression -----  Coefficient =  0.9982
              Response Ratio = -0.02146 + 0.47157 *A + 0.02416 *A^2

58)m STYRENE           0.079 0.182 0.313 0.584 0.537 0.726 0.779 0.457  59.07
         ----- Quadratic regression -----  Coefficient =  0.9980
              Response Ratio = -0.04220 + 0.63232 *A + 0.03997 *A^2

59)m NONANE            0.283 0.465 0.519 0.737 0.591 0.751 0.745 0.585  30.15
         ----- Quadratic regression -----  Coefficient =  0.9976
              Response Ratio = -0.02447 + 0.70882 *A + 0.01125 *A^2

60)m BROMOFORM         0.485 0.657 0.476 0.638 0.603 0.838 0.867 0.652  23.63
61)S 4-BROMOFLUOROBENZ 0.637 0.650 0.714 0.726 0.818 0.884 0.884 0.759  13.69
62)m 1,1,2,2-TETRACHLO 0.707 0.974 0.684 0.815 0.653 0.823 0.861 0.788  14.42
63)m ISOPROPYLBENZENE  0.726 1.029 1.029 1.413 1.271 1.660 1.747 1.268  29.01
64)m 2-CHLOROTOLUENE   0.458 0.646 0.697 1.067 0.903 1.263 1.313 0.907  35.78
         ----- Quadratic regression -----  Coefficient =  0.9970
              Response Ratio = -0.05982 + 1.10923 *A + 0.05616 *A^2

65)m 4-ETHYLTOLUENE    0.313 0.574 0.808 1.285 1.136 1.582 1.684 1.054  48.58
```

Initial Calibration Summary

Job Number: M66976
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ227-ICC227
Lab FileID: Q4265.D

```
          ----- Quadratic regression -----  Coefficient =  0.9975
               Response Ratio = -0.08256 + 1.36562 *A + 0.08640 *A^2

66)m 1,3,5-TRIMETHYLBE 0.472 0.745 0.895 1.238 1.103 1.502 1.523 1.068  36.54
          ----- Quadratic regression -----  Coefficient =  0.9971
               Response Ratio = -0.07568 + 1.35993 *A + 0.04728 *A^2

67)m 1,2,4-TRIMETHYLBE 0.329 0.542 0.674 1.057 1.041 1.373 1.431 0.921  45.48
          ----- Quadratic regression -----  Coefficient =  0.9980
               Response Ratio = -0.08029 + 1.23181 *A + 0.05628 *A^2

68)m m-DICHLOROBENZENE 0.183 0.321 0.491 0.600 0.562 0.765 0.817 0.534  42.49
          ----- Quadratic regression -----  Coefficient =  0.9979
               Response Ratio = -0.03489 + 0.65777 *A + 0.04286 *A^2

69)m BENZYL CHLORIDE   0.076 0.217 0.462 0.655 0.649 0.894 0.986 0.563  59.49
          ----- Quadratic regression -----  Coefficient =  0.9982
               Response Ratio = -0.04988 + 0.74709 *A + 0.06388 *A^2

70)m p-DICHLOROBENZENE 0.095 0.200 0.461 0.549 0.529 0.713 0.756 0.472  52.17
          ----- Quadratic regression -----  Coefficient =  0.9980
               Response Ratio = -0.03606 + 0.62220 *A + 0.03639 *A^2

71)m o-DICHLOROBENZENE 0.281 0.405 0.439 0.545 0.522 0.735 0.792 0.531  34.13
          ----- Quadratic regression -----  Coefficient =  0.9975
               Response Ratio = -0.03484 + 0.61716 *A + 0.04674 *A^2

72)m HEXACHLOROBUTADIE 1.513 1.919 0.335 0.342 0.386 0.498       0.832  83.96
          ----- Quadratic regression -----  Coefficient =  0.9962
               Response Ratio = 0.04617 + 0.18768 *A + 0.14401 *A^2

73)m 1,2,4-TRICHLOROBE       0.097 0.099 0.136 0.170 0.254 0.245 0.167  41.62
          ----- Quadratic regression -----  Coefficient =  0.9933
               Response Ratio = -0.03499 + 0.24804 *A + 0.00182 *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

          Q081307T.m        Tue Aug 14 15:08:41 2007   RPT1
```

Initial Calibration Verification

Job Number: M66976
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ227-ICV227
Lab FileID: Q4273A.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\Q4273a.D Vial: 3
Acq On : 14 Aug 2007 8:57 am Operator: danat
Sample : icv227-10 (M164) Inst : MAMSQ
Misc : MS14080, MSQ227,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\msdchem\1\METHODS\Q081307T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Mon Aug 13 15:27:19 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	87	0.00	8.43- 8.84
2	m	DICHLORODIFLUOROMETHAN	5.614	6.061	-8.0	116	0.00	3.83- 4.24
3	m	PROPYLENE	0.765	0.651	14.9	106	0.00	3.76- 4.17
4	m	FREON 114	5.054	4.735	6.3	110	0.00	4.09- 4.50
5	m	CHLOROMETHANE	1.175	1.084	7.7	121	0.00	3.99- 4.41
6	m	VINYL CHLORIDE	1.361	1.363	-0.1	116	0.00	4.22- 4.63
7	m	1,3-BUTADIENE	1.125	1.182	-5.1	119	0.00	4.35- 4.76
8	m	BROMOMETHANE	1.541	1.443	6.4	105	0.00	4.63- 5.04
9	m	CHLOROETHANE	0.607	0.635	-4.6	114	0.00	4.80- 5.21
10	m	TRICHLOROFLUOROMETHANE	5.980	6.331	-5.9	113	0.00	5.58- 5.99
11	m	ISOPROPYL ALCOHOL	2.606	2.368	9.1	106	0.00	5.59- 6.06
		----------	True	Calc.	% Drift	----------		
12	m	ACETONE	10.000	11.728	-17.3	115	0.00	5.39- 5.80
		----------	AvgRF	CCRF	% Dev	----------		
13	m	PENTANE	1.602	1.511	5.7	113	0.00	5.99- 6.30
14	m	1,1-DICHLOROETHYLENE	1.529	1.515	0.9	97	0.00	6.22- 6.64
15	m	CARBON DISULFIDE	4.878	5.073	-4.0	104	0.00	6.65- 7.06
		----------	True	Calc.	% Drift	----------		
16	m	ETHANOL	10.000	7.846	21.5	81	0.00	4.87- 5.33
		----------	AvgRF	CCRF	% Dev	----------		
17	m	BROMOETHENE	1.400	1.393	0.5	102	0.00	5.16- 5.58
		----------	True	Calc.	% Drift	----------		
18	m	METHYLENE CHLORIDE	10.000	9.795	2.1	104	0.00	6.39- 6.69
		----------	AvgRF	CCRF	% Dev	----------		
19	m	3-CHLOROPROPENE	1.833	2.133	-16.4	111	0.00	6.45- 6.86
20	m	FREON 113	3.035	2.813	7.3	96	0.00	6.59- 7.00
21	m	TRANS-1,2-DICHLOROETHY	1.457	1.652	-13.4	103	0.00	7.26- 7.67
22	m	TERTIARY BUTYL ALCOHOL	3.051	3.305	-8.3	95	0.00	6.16- 6.68
23	m	METHYL TERTIARY BUTYL	3.604	3.897	-8.1	88	0.00	7.50- 7.91
24	m	TETRAHYDROFURAN	0.851	0.932	-9.5	95	0.00	8.99- 9.28
25	m	HEXANE	1.763	1.699	3.6	95	0.00	8.46- 8.87
26	m	VINYL ACETATE	3.005	3.095	-3.0	83	0.00	7.61- 7.96
27	m	1,1-DICHLOROETHANE	3.146	3.740	-18.9	101	0.00	7.45- 7.87
28	m	METHYL ETHYL KETONE	2.265	2.333	-3.0	91	0.00	7.78- 8.27
29	m	cis-1,2-DICHLOROETHYLE	1.087	1.290	-18.7	106	0.00	8.26- 8.67
30	m	ETHYL ACETATE	3.447	3.760	-9.1	107	0.00	8.45- 8.87

Initial Calibration Verification

Job Number: M66976
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ227-ICV227
Lab FileID: Q4273A.D

31	m	CHLOROFORM	3.665	4.084	-11.4	108	0.00	8.54- 8.96
32	m	1,1,1-TRICHLOROETHANE	3.781	4.387	-16.0	108	0.00	9.50- 9.91
33	m	CARBON TETRACHLORIDE	4.424	4.876	-10.2	101	0.00	10.08-10.49
34	m	1,2-DICHLOROETHANE	2.314	2.810	-21.4	112	0.00	9.25- 9.66
35	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	89	0.00	10.25-10.66
36	m	BENZENE	0.632	0.749	-18.5	114	0.00	9.94-10.35
37	m	CYCLOHEXANE	0.267	0.303	-13.5	98	0.00	10.21-10.62
38	m	TRICHLOROETHYLENE	0.395	0.454	-14.9	108	0.00	10.99-11.30
39	m	1,2-DICHLOROPROPANE	0.223	0.240	-7.6	112	0.00	10.71-11.13
40	m	BROMODICHLOROMETHANE	0.764	0.810	-6.0	103	0.00	10.95-11.26
41	m	2,2,4-TRIMETHYLPENTANE	1.094	1.269	-16.0	107	0.00	10.96-11.37
42	m	1,4-DIOXANE	0.129	0.127	1.6	91	0.00	10.87-11.40
43	m	HEPTANE	0.366	0.425	-16.1	101	0.00	11.25-11.56
44	m	METHYL ISOBUTYL KETONE	0.503	0.525	-4.4	90	0.00	11.76-12.19
		----------	True	Calc.	% Drift		----------	
45	m	cis-1,3-DICHLOROPROPEN	10.000	11.789	-17.9	119	0.00	11.75-12.16
46	m	TOLUENE	10.000	10.592	-5.9	106	0.00	12.71-13.12
47	m	trans-1,3-DICHLOROPROP	10.000	10.017	-0.2	97	0.00	12.30-12.61
		----------	AvgRF	CCRF	% Dev		----------	
48	m	1,1,2-TRICHLOROETHANE	0.252	0.259	-2.8	110	0.00	12.46-12.82
49	I	CHLOROBENZENE-D5	1.000	1.000	0.0	90	0.00	14.55-14.86
		----------	True	Calc.	% Drift		----------	
50	m	2-HEXANONE	10.000	8.816	11.8	89	0.00	12.94-13.34
		----------	AvgRF	CCRF	% Dev		----------	
51	m	TETRACHLOROETHYLENE	0.413	0.471	-14.0	113	0.00	13.85-14.26
52	m	DIBROMOCHLOROMETHANE	0.748	0.777	-3.9	102	0.00	13.16-13.52
53	m	1,2-DIBROMOETHANE	0.466	0.540	-15.9	111	0.00	13.44-13.75
54	m	CHLOROBENZENE	0.697	0.773	-10.9	109	0.00	14.59-14.90
		----------	True	Calc.	% Drift		----------	
55	m	ETHYLBENZENE	10.000	10.129	-1.3	102	0.00	14.94-15.30
56	m	m,p-XYLENE	20.000	20.088	-0.4	102	0.00	15.14-15.50
57	m	o-XYLENE	10.000	9.496	5.0	99	0.00	15.64-16.00
58	m	STYRENE	10.000	10.013	-0.1	105	0.00	15.54-15.85
59	m	NONANE	10.000	9.929	0.7	105	0.00	15.87-16.18
		----------	AvgRF	CCRF	% Dev		----------	
60	m	BROMOFORM	0.652	0.659	-1.1	98	0.00	15.26-15.57
61	S	4-BROMOFLUOROBENZENE	0.759	0.804	-5.9	88	0.00	16.17-16.48
62	m	1,1,2,2-TETRACHLOROETH	0.788	0.717	9.0	99	0.00	15.65-15.96
63	m	ISOPROPYLBENZENE	1.268	1.351	-6.5	95	0.00	16.31-16.62
		----------	True	Calc.	% Drift		----------	
64	m	2-CHLOROTOLUENE	10.000	9.568	4.3	105	0.00	16.81-17.22
65	m	4-ETHYLTOLUENE	10.000	8.354	16.5	88	0.00	17.07-17.34
66	m	1,3,5-TRIMETHYLBENZENE	10.000	8.876	11.2	95	0.00	17.16-17.41
67	m	1,2,4-TRIMETHYLBENZENE	10.000	8.869	11.3	91	0.00	17.60-17.91
68	m	m-DICHLOROBENZENE	10.000	9.446	5.5	100	0.00	17.77-18.10
69	m	BENZYL CHLORIDE	10.000	8.518	14.8	87	0.00	17.76-18.07
70	m	p-DICHLOROBENZENE	10.000	9.665	3.4	102	0.00	17.89-18.13
71	m	o-DICHLOROBENZENE	10.000	9.290	7.1	99	0.00	18.24-18.55
72	m	HEXACHLOROBUTADIENE	10.000	9.279	7.2	80	0.00	20.59-21.00
73	m	1,2,4-TRICHLOROBENZENE	10.000	9.285	7.1	104	0.00	20.09-20.51

Initial Calibration Verification

Job Number: M66976
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ227-ICV227
Lab FileID: Q4273A.D

```
            ---------------------- 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
    Q4265.D    Q081307T.m       Tue Aug 14 16:34:14 2007   RPT1
```

Continuing Calibration Summary

Job Number: M66976
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ228-CC227
Lab FileID: Q4295.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\Q4295.D Vial: 3
Acq On : 15 Aug 2007 9:51 am Operator: danat
Sample : cc227-10 (M164) Inst : MAMSQ
Misc : MS14080, MSQ228,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\msdchem\1\METHODS\Q081307T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Mon Aug 13 15:27:19 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	94	0.00	8.42- 8.84
2	m	DICHLORODIFLUOROMETHAN	5.614	4.913	12.5	101	0.00	3.83- 4.25
3	m	PROPYLENE	0.765	0.862	-12.7	151#	0.00	3.76- 4.17
4	m	FREON 114	5.054	4.582	9.3	115	0.00	4.09- 4.51
5	m	CHLOROMETHANE	1.175	1.298	-10.5	156#	0.00	3.99- 4.40
6	m	VINYL CHLORIDE	1.361	1.460	-7.3	134	0.00	4.22- 4.63
7	m	1,3-BUTADIENE	1.125	1.159	-3.0	126	0.00	4.35- 4.76
8	m	BROMOMETHANE	1.541	1.505	2.3	118	0.00	4.63- 5.04
9	m	CHLOROETHANE	0.607	0.614	-1.2	119	0.00	4.80- 5.21
10	m	TRICHLOROFLUOROMETHANE	5.980	4.377	26.8	84	0.00	5.58- 5.99
11	m	ISOPROPYL ALCOHOL	2.606	2.016	22.6	98	0.00	5.59- 6.06
		----------	True	Calc.	% Drift	----------		
12	m	ACETONE	10.000	10.233	-2.3	109	0.00	5.39- 5.80
		----------	AvgRF	CCRF	% Dev	----------		
13	m	PENTANE	1.602	1.578	1.5	127	0.00	5.99- 6.30
14	m	1,1-DICHLOROETHYLENE	1.529	1.429	6.5	99	0.00	6.22- 6.63
15	m	CARBON DISULFIDE	4.878	4.739	2.8	105	0.00	6.65- 7.06
		----------	True	Calc.	% Drift	----------		
16	m	ETHANOL	10.000	8.175	18.2	91	0.00	4.86- 5.33
		----------	AvgRF	CCRF	% Dev	----------		
17	m	BROMOETHENE	1.400	1.338	4.4	106	0.00	5.16- 5.57
		----------	True	Calc.	% Drift	----------		
18	m	METHYLENE CHLORIDE	10.000	9.928	0.7	113	0.00	6.39- 6.69
		----------	AvgRF	CCRF	% Dev	----------		
19	m	3-CHLOROPROPENE	1.833	1.340	26.9	76	0.00	6.46- 6.87
20	m	FREON 113	3.035	2.299	24.3	85	0.00	6.59- 7.00
21	m	TRANS-1,2-DICHLOROETHY	1.457	1.411	3.2	95	0.00	7.26- 7.67
22	m	TERTIARY BUTYL ALCOHOL	3.051	2.401	21.3	75	0.00	6.17- 6.68
23	m	METHYL TERTIARY BUTYL	3.604	2.734	24.1	67	0.00	7.50- 7.91
24	m	TETRAHYDROFURAN	0.851	0.876	-2.9	97	0.00	9.00- 9.28
25	m	HEXANE	1.763	1.677	4.9	101	0.00	8.46- 8.87
26	m	VINYL ACETATE	3.005	2.356	21.6	68	0.00	7.61- 7.96
27	m	1,1-DICHLOROETHANE	3.146	2.798	11.1	82	0.00	7.46- 7.87
28	m	METHYL ETHYL KETONE	2.265	1.980	12.6	84	0.00	7.79- 8.27
29	m	cis-1,2-DICHLOROETHYLE	1.087	1.133	-4.2	100	0.00	8.26- 8.68
30	m	ETHYL ACETATE	3.447	3.424	0.7	105	0.00	8.45- 8.87

Continuing Calibration Summary

Job Number: M66976
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ228-CC227
Lab FileID: Q4295.D

31	m	CHLOROFORM	3.665	3.110	15.1	89	0.00	8.54- 8.95
32	m	1,1,1-TRICHLOROETHANE	3.781	2.967	21.5	79	0.00	9.50- 9.91
33	m	CARBON TETRACHLORIDE	4.424	3.419	22.7	77	0.00	10.08-10.49
34	m	1,2-DICHLOROETHANE	2.314	1.940	16.2	84	0.00	9.26- 9.67
35	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	107	0.00	10.25-10.67
36	m	BENZENE	0.632	0.619	2.1	113	0.00	9.94-10.35
37	m	CYCLOHEXANE	0.267	0.276	-3.4	107	0.00	10.21-10.62
38	m	TRICHLOROETHYLENE	0.395	0.357	9.6	102	0.00	10.99-11.30
39	m	1,2-DICHLOROPROPANE	0.223	0.216	3.1	121	0.00	10.71-11.13
40	m	BROMODICHLOROMETHANE	0.764	0.546	28.5	84	0.00	10.95-11.26
41	m	2,2,4-TRIMETHYLPENTANE	1.094	1.071	2.1	108	0.00	10.96-11.37
42	m	1,4-DIOXANE	0.129	0.107	17.1	93	0.00	10.87-11.40
43	m	HEPTANE	0.366	0.362	1.1	104	0.00	11.25-11.56
44	m	METHYL ISOBUTYL KETONE	0.503	0.434	13.7	90	0.00	11.76-12.19
		----------	True	Calc.	% Drift		----------	
45	m	cis-1,3-DICHLOROPROPEN	10.000	9.453	5.5	112	0.00	11.75-12.17
46	m	TOLUENE	10.000	9.284	7.2	110	0.00	12.71-13.13
47	m	trans-1,3-DICHLOROPROP	10.000	7.655	23.4	86	0.00	12.30-12.61
		----------	AvgRF	CCRF	% Dev		----------	
48	m	1,1,2-TRICHLOROETHANE	0.252	0.224	11.1	114	0.00	12.46-12.82
49	I	CHLOROBENZENE-D5	1.000	1.000	0.0	109	0.00	14.55-14.86
		----------	True	Calc.	% Drift		----------	
50	m	2-HEXANONE	10.000	7.076	29.2	86	0.00	12.94-13.34
		----------	AvgRF	CCRF	% Dev		----------	
51	m	TETRACHLOROETHYLENE	0.413	0.375	9.2	109	0.00	13.85-14.26
52	m	DIBROMOCHLOROMETHANE	0.748	0.538	28.1	86	0.00	13.16-13.53
53	m	1,2-DIBROMOETHANE	0.466	0.439	5.8	110	0.00	13.44-13.75
54	m	CHLOROBENZENE	0.697	0.680	2.4	117	0.00	14.59-14.90
		----------	True	Calc.	% Drift		----------	
55	m	ETHYLBENZENE	10.000	8.704	13.0	105	0.00	14.94-15.31
56	m	m,p-XYLENE	20.000	17.933	10.3	109	-0.02	15.12-15.48
57	m	o-XYLENE	10.000	8.682	13.2	108	0.00	15.64-16.00
58	m	STYRENE	10.000	9.088	9.1	115	0.00	15.55-15.86
59	m	NONANE	10.000	8.939	10.6	114	0.00	15.86-16.17
		----------	AvgRF	CCRF	% Dev		----------	
60	m	BROMOFORM	0.652	0.481	26.2	87	0.00	15.26-15.57
61	S	4-BROMOFLUOROBENZENE	0.759	0.799	-5.3	106	0.00	16.17-16.48
62	m	1,1,2,2-TETRACHLOROETH	0.788	0.674	14.5	112	0.00	15.65-15.96
63	m	ISOPROPYLBENZENE	1.268	1.196	5.7	102	0.00	16.31-16.62
		----------	True	Calc.	% Drift		----------	
64	m	2-CHLOROTOLUENE	10.000	8.446	15.5	111	0.00	16.81-17.22
65	m	4-ETHYLTOLUENE	10.000	7.736	22.6	98	0.00	17.07-17.34
66	m	1,3,5-TRIMETHYLBENZENE	10.000	8.001	20.0	103	0.00	17.16-17.42
67	m	1,2,4-TRIMETHYLBENZENE	10.000	8.146	18.5	100	0.00	17.60-17.91
68	m	m-DICHLOROBENZENE	10.000	9.279	7.2	119	0.00	17.77-18.10
69	m	BENZYL CHLORIDE	10.000	7.492	25.1	91	0.00	17.76-18.07
70	m	p-DICHLOROBENZENE	10.000	9.520	4.8	121	0.00	17.89-18.13
71	m	o-DICHLOROBENZENE	10.000	8.653	13.5	111	0.00	18.24-18.55
72	m	HEXACHLOROBUTADIENE	10.000	7.784	22.2	79	0.00	20.59-21.00
73	m	1,2,4-TRICHLOROBENZENE	10.000	8.087	19.1	107	0.00	20.09-20.51

Continuing Calibration Summary

Job Number: M66976
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ228-CC227
Lab FileID: Q4295.D

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            ----------------------- 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
    Q4265.D    Q081307T.m       Fri Aug 17 13:37:12 2007   RPT1
```

GC/MS Volatiles

Raw Data

Manual Integrations APPROVED (compounds with "m" flag)
Philip Bassignani 08/20/07 11:12

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4302.D
Acq On : 15 Aug 2007 3:52 pm
Operator : danat
Sample : m66976-1 (M155)
Misc : MS14127, MSQ228,,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 17 13:53:26 2007
Quant Method : C:\msdchem\1\METHODS\Q081307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 13 15:27:19 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.633	128	145598	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.460	114	651976	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.701	117	511283m	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.323	95	153291	3.95	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 79.00%

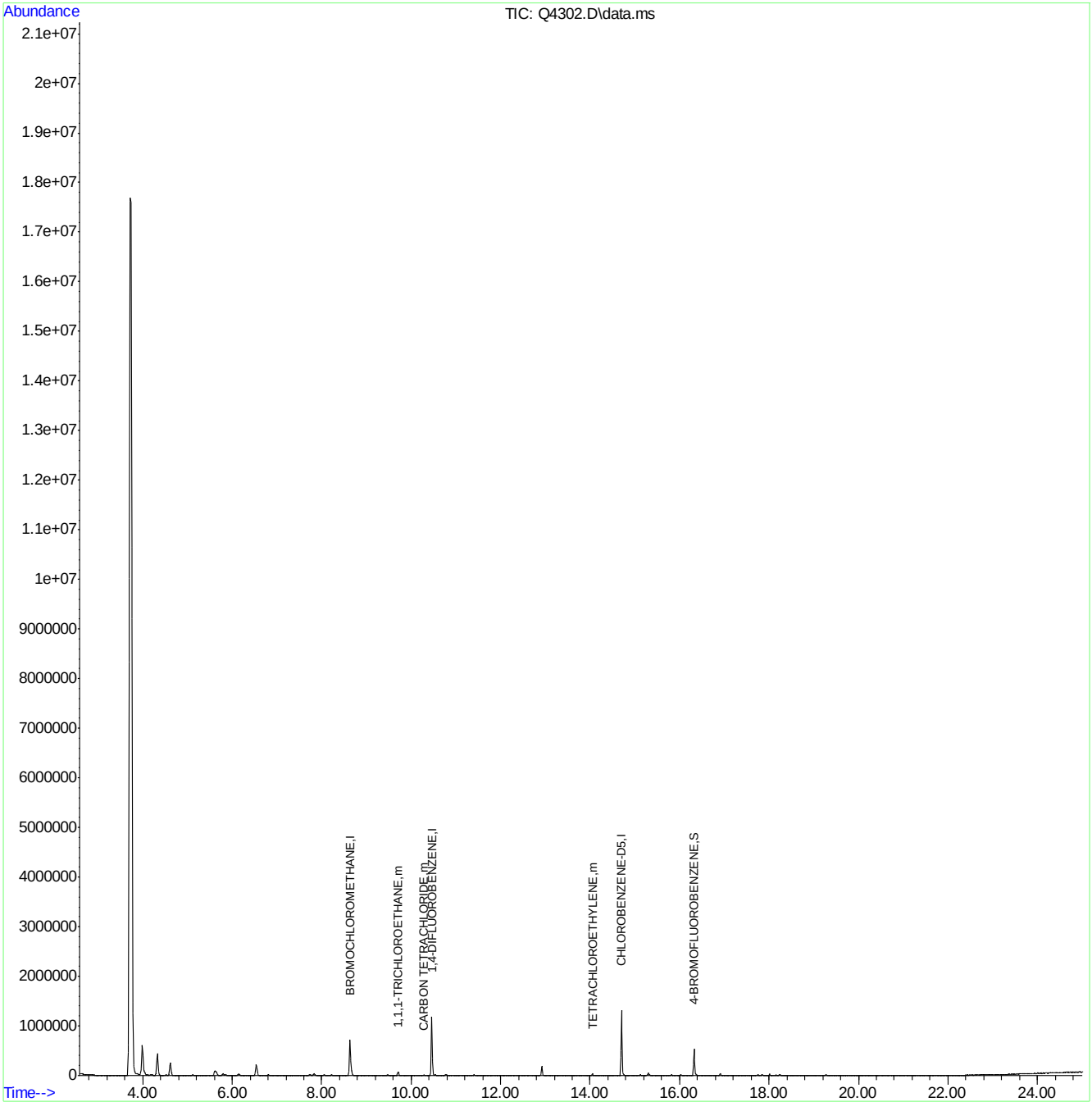
Target Compounds						Qvalue
32) 1,1,1-TRICHLOROETHANE	9.707	97	43446	0.79	PPBV	96
33) CARBON TETRACHLORIDE	10.289	117	5581	0.09	PPBV	94
51) TETRACHLOROETHYLENE	14.048	164	7068	0.33	PPBV	97

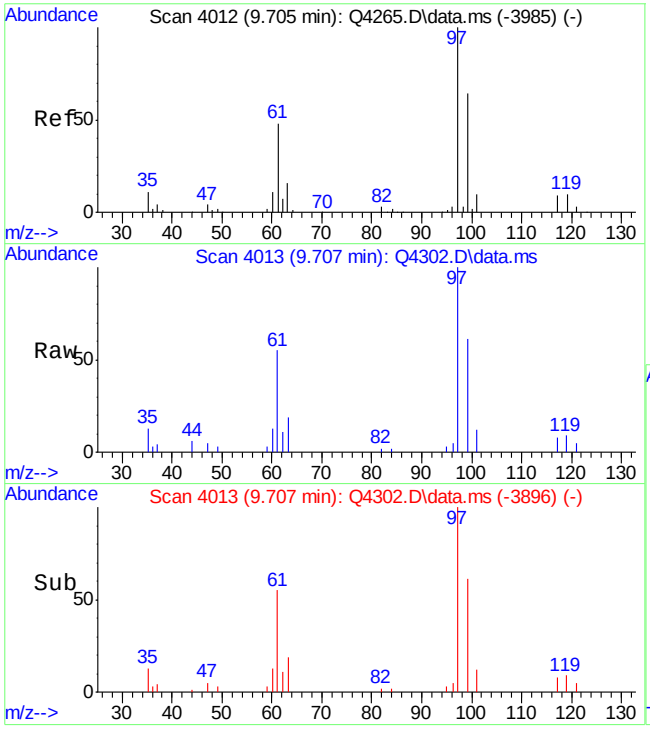
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4302.D
Acq On : 15 Aug 2007 3:52 pm
Operator : danat
Sample : m66976-1 (M155)
Misc : MS14127, MSQ228,,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 17 13:53:26 2007
Quant Method : C:\msdchem\1\METHODS\Q081307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 13 15:27:19 2007
Response via : Initial Calibration

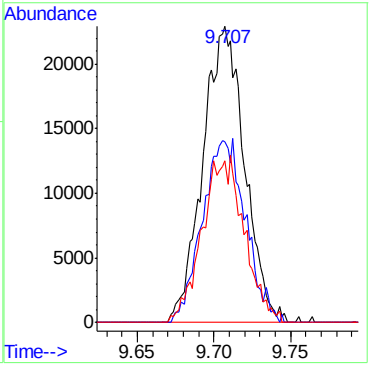


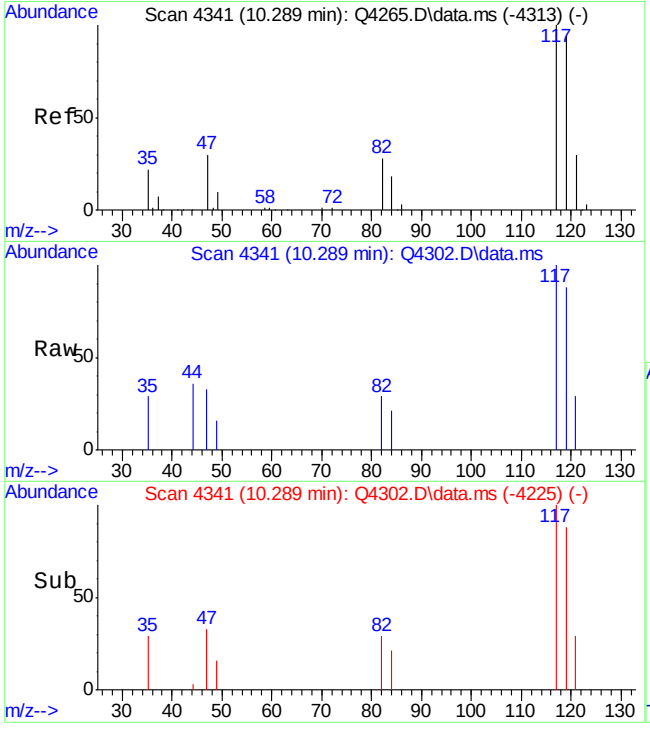


#32
1,1,1-TRICHLOROETHANE
Concen: 0.79 PPBV
RT: 9.707 min Scan# 4013
Delta R.T. 0.002 min
Lab File: Q4302.D
Acq: 15 Aug 2007 3:52 pm

Tgt Ion: 97 Resp: 43446

Ion	Ratio	Lower	Upper
97	100		
99	63.9	43.8	83.8
61	56.0	29.1	69.1

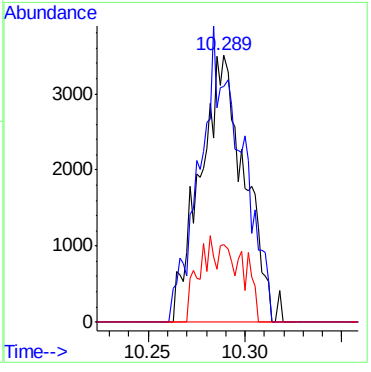


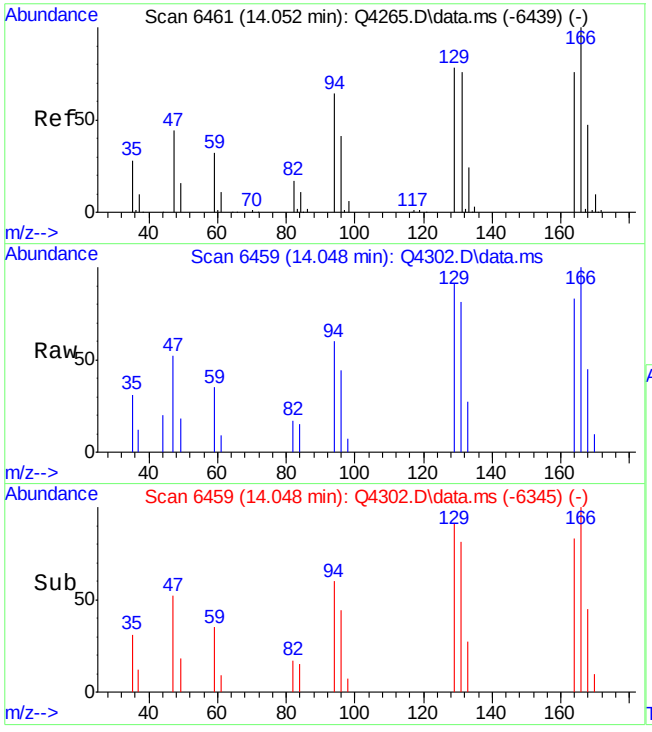


#33
CARBON TETRACHLORIDE
Concen: 0.09 PPBV
RT: 10.289 min Scan# 4341
Delta R.T. 0.000 min
Lab File: Q4302.D
Acq: 15 Aug 2007 3:52 pm

Tgt Ion:117 Resp: 5581

Ion	Ratio	Lower	Upper
117	100		
119	103.0	75.5	115.5
121	29.3	10.0	50.0

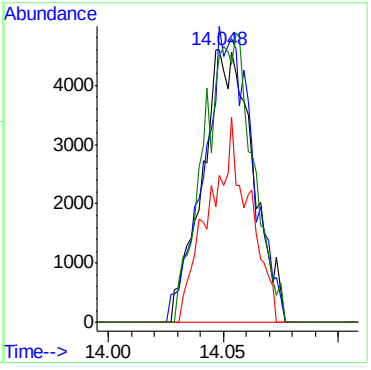




#51
TETRACHLOROETHYLENE
Concen: 0.33 PPBV
RT: 14.048 min Scan# 6459
Delta R.T. -0.003 min
Lab File: Q4302.D
Acq: 15 Aug 2007 3:52 pm

Tgt Ion:164 Resp: 7068

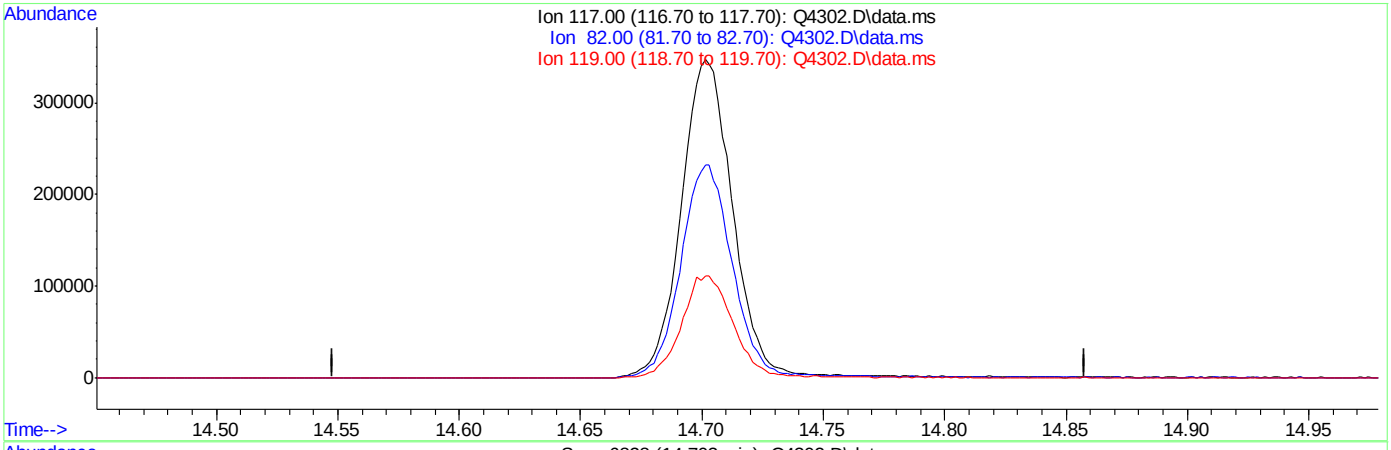
Ion	Ratio	Lower	Upper
164	100		
129	102.8	84.3	124.3
168	58.9	42.7	82.7
131	103.0	79.9	119.9

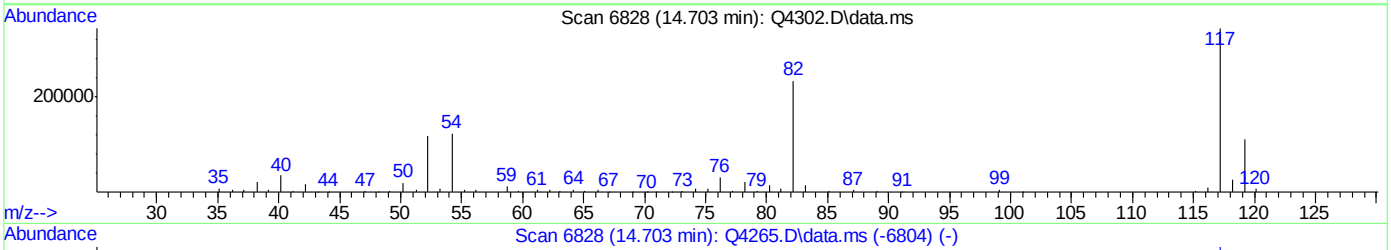


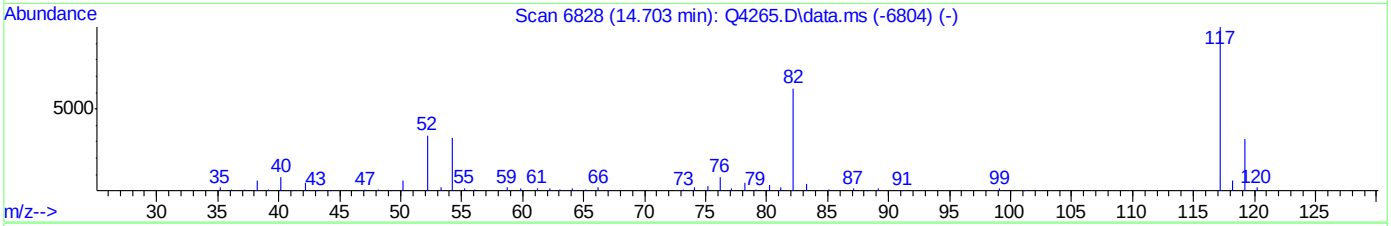
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4302.D
Acq On : 15 Aug 2007 3:52 pm
Operator : danat
Sample : m66976-1 (M155)
Misc : MS14127, MSQ228,,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 15 16:53:27 2007
Quant Method : C:\msdchem\1\METHODS\Q081307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 13 15:27:19 2007
Response via : Initial Calibration







TIC: Q4302.D\data.ms

(49) CHLOROBENZENE-D5 (I)

14.703min (-14.703) 0.00PPBV

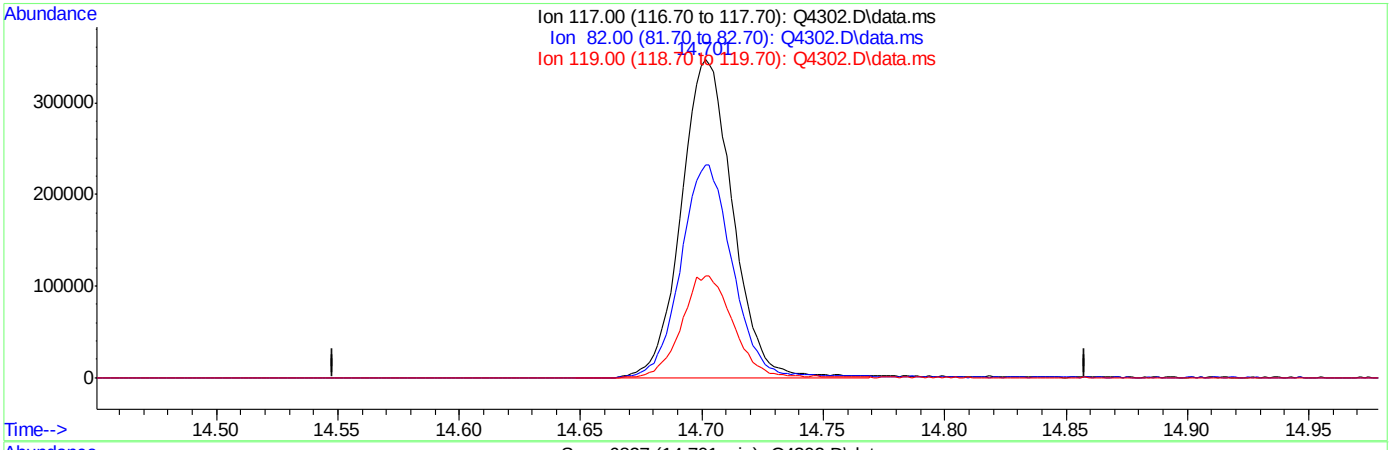
response 0

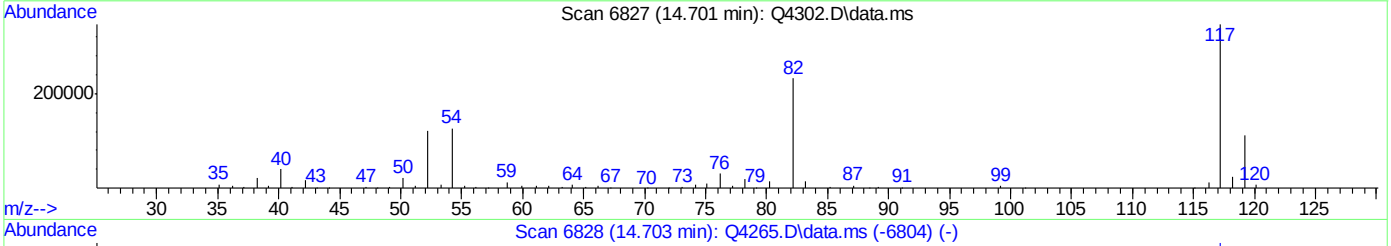
Ion	Exp%	Act%
117.00	100	0.00
82.00	63.80	0.00#
119.00	32.10	0.00#
0.00	0.00	0.00

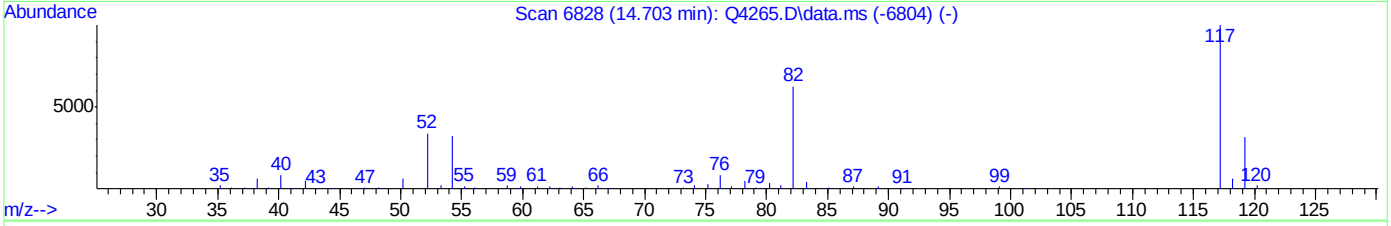
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4302.D
Acq On : 15 Aug 2007 3:52 pm
Operator : danat
Sample : m66976-1 (M155)
Misc : MS14127, MSQ228,,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 15 16:53:27 2007
Quant Method : C:\msdchem\1\METHODS\Q081307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 13 15:27:19 2007
Response via : Initial Calibration







TIC: Q4302.D\data.ms

(49) CHLOROBENZENE-D5 (I)

14.701min (-0.002) 10.00PPBV m

response 511283

Ion	Exp%	Act%
117.00	100	100
82.00	63.80	0.00#
119.00	32.10	0.00#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4303.D
Acq On : 15 Aug 2007 4:35 pm
Operator : danat
Sample : m66976-2 (M147)
Misc : MS14127, MSQ228,,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 17 13:54:42 2007
Quant Method : C:\msdchem\1\METHODS\Q081307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 13 15:27:19 2007
Response via : Initial Calibration

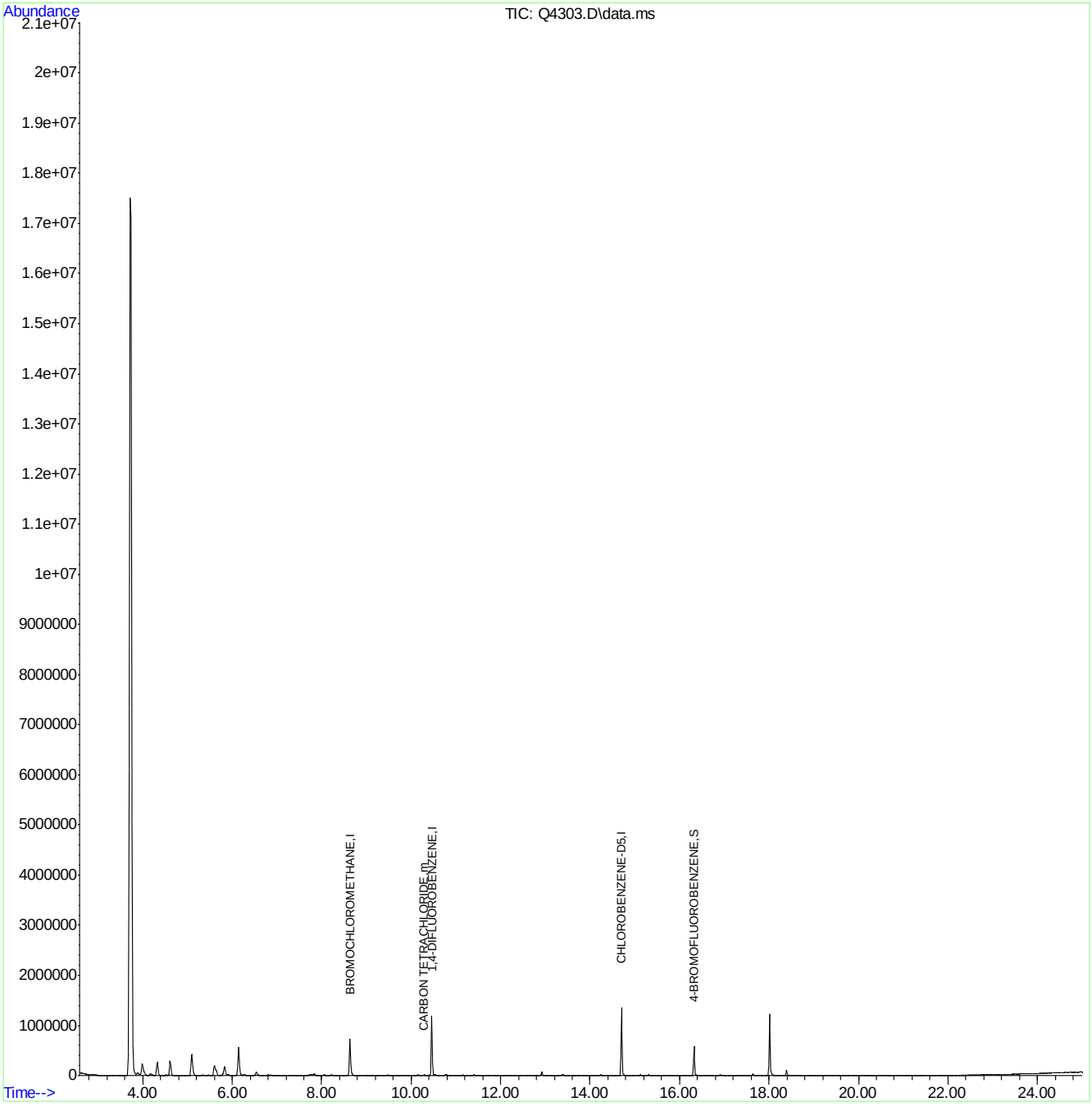
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.632	128	146179	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.458	114	647556	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.701	117	525722	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.320	95	161679	4.05	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 81.00%			
Target Compounds						Qvalue
33) CARBON TETRACHLORIDE	10.289	117	6701	0.10	PPBV	97

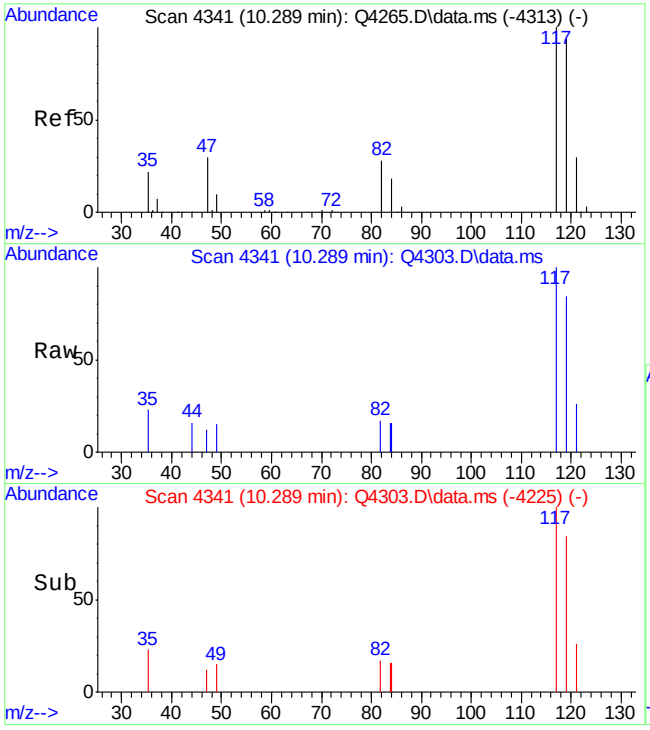
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4303.D
Acq On : 15 Aug 2007 4:35 pm
Operator : danat
Sample : m66976-2 (M147)
Misc : MS14127, MSQ228,,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 17 13:54:42 2007
Quant Method : C:\msdchem\1\METHODS\Q081307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 13 15:27:19 2007
Response via : Initial Calibration

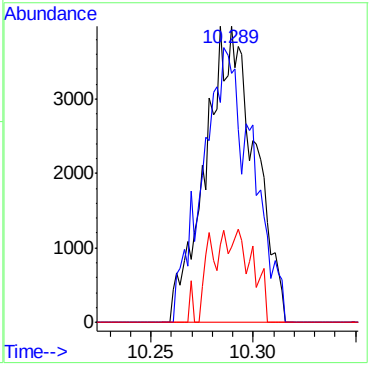




#33
CARBON TETRACHLORIDE
Concen: 0.10 PPBV
RT: 10.289 min Scan# 4341
Delta R.T. 0.000 min
Lab File: Q4303.D
Acq: 15 Aug 2007 4:35 pm

Tgt Ion:117 Resp: 6701

Ion	Ratio	Lower	Upper
117	100		
119	93.7	75.5	115.5
121	26.5	10.0	50.0



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4297.D
Acq On : 15 Aug 2007 12:04 pm
Operator : danat
Sample : mb (M139)
Misc : MS14080, MSQ228,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 17 13:39:08 2007
Quant Method : C:\msdchem\1\METHODS\Q081307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 13 15:27:19 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.630	128	142267	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.458	114	590543	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.703	117	470543	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.324	95	127689	3.58	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 71.60%

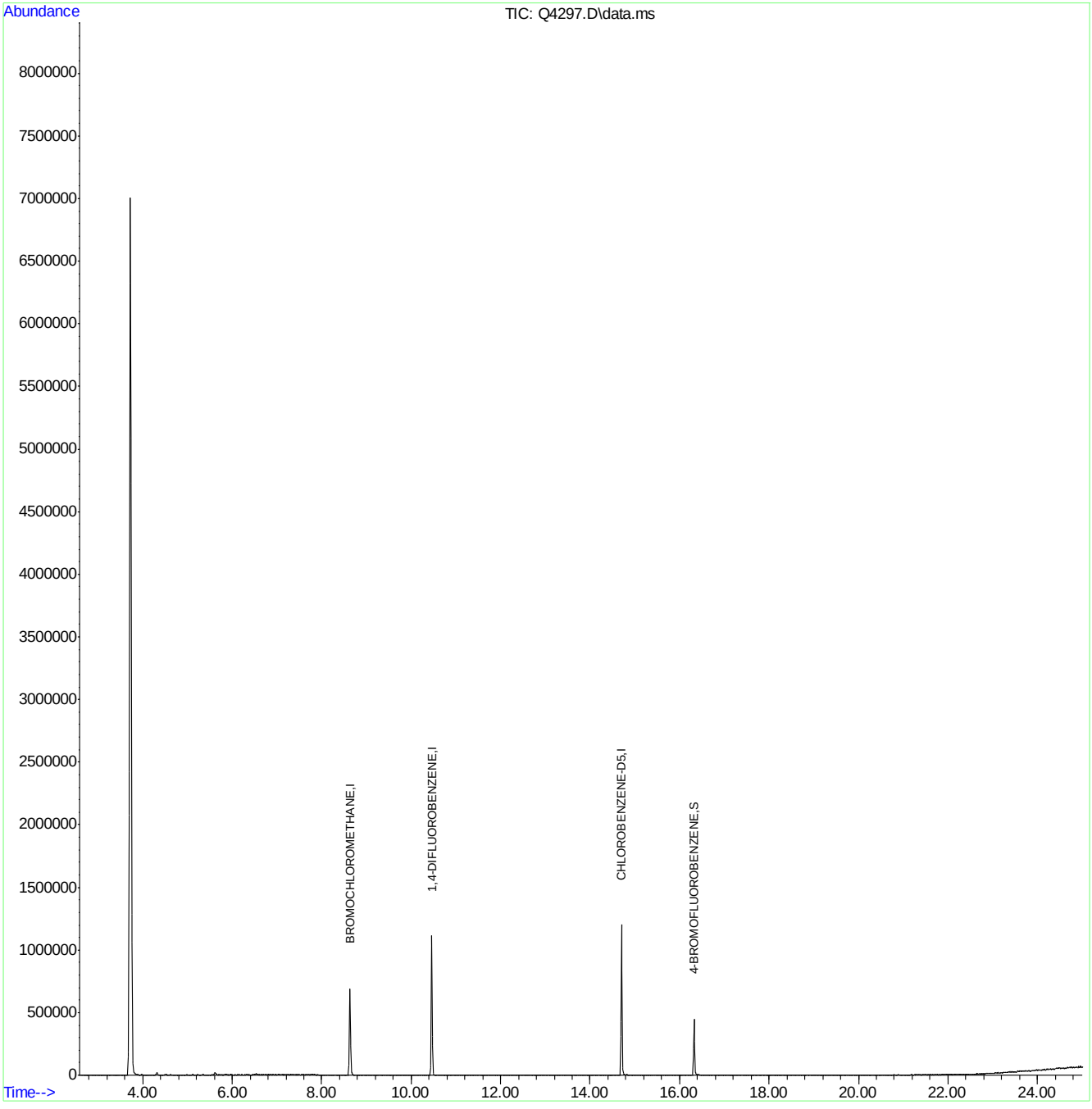
Target Compounds	Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4297.D
Acq On : 15 Aug 2007 12:04 pm
Operator : danat
Sample : mb (M139)
Misc : MS14080, MSQ228,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 17 13:39:08 2007
Quant Method : C:\msdchem\1\METHODS\Q081307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 13 15:27:19 2007
Response via : Initial Calibration



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

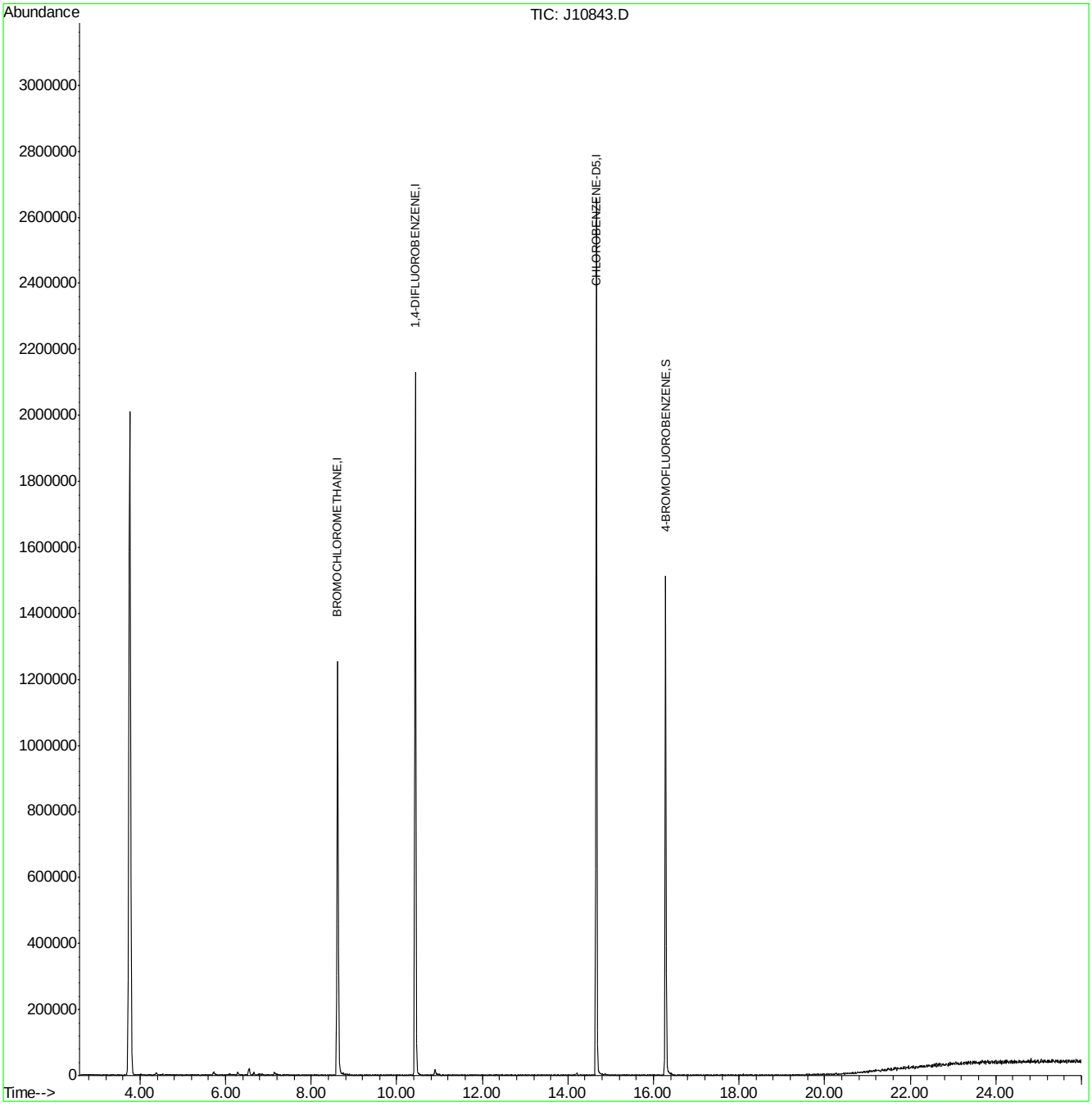
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ACCUTEST Laboratories M66976

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%

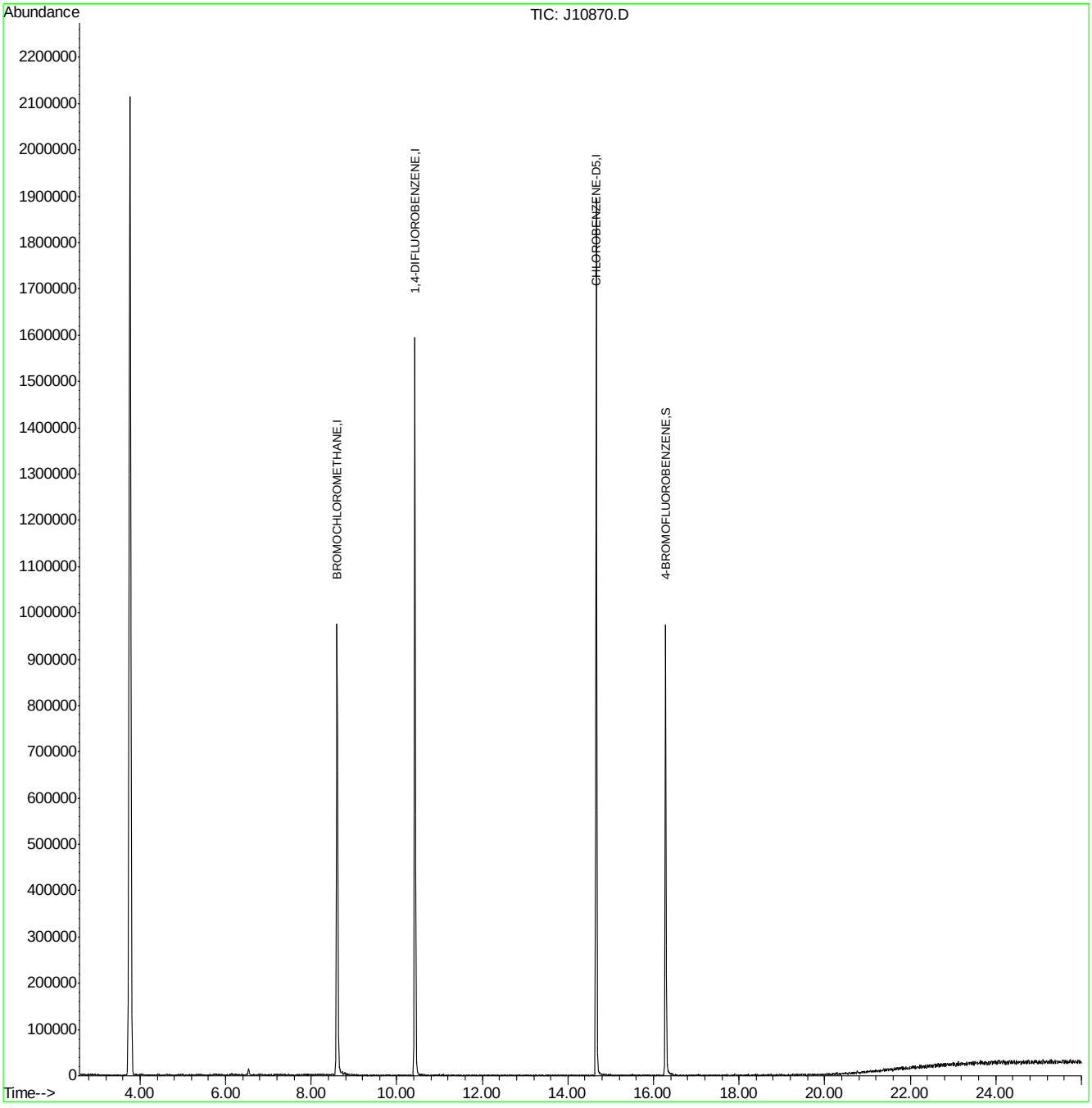
Target Compounds Qvalue

(#) = 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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4295a.D
Acq On : 15 Aug 2007 9:51 am
Operator : danat
Sample : bs (M164)
Misc : MS14080, MSQ228,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 15 11:46:27 2007
Quant Method : C:\msdchem\1\METHODS\Q081307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 13 15:27:19 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.630	128	113532	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.460	114	600004	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.701	117	509656	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.322	95	203611	5.26	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 105.20%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.040	85	557727	8.75	PPBV	99
3) PROPYLENE	3.964	41	97817	11.26	PPBV	96
4) FREON 114	4.299	85	520170	9.07	PPBV	96
5) CHLOROMETHANE	4.198	50	147376	11.04	PPBV	94
6) VINYL CHLORIDE	4.422	62	165720	10.72	PPBV	99
7) 1,3-BUTADIENE	4.558	39	131636	10.30	PPBV	99
8) BROMOMETHANE	4.837	94	170812	9.77	PPBV	98
9) CHLOROETHANE	5.007	64	69727	10.11	PPBV	97
10) TRICHLOROFLUOROMETHANE	5.787	101	496922	7.32	PPBV	100
11) ISOPROPYL ALCOHOL	5.826	45	228870	7.74	PPBV	99
12) ACETONE	5.598	43	239636	10.23	PPBV	96
13) PENTANE	6.143	42	179141	9.85	PPBV	89
14) 1,1-DICHLOROETHYLENE	6.426	96	162232	9.35	PPBV	93
15) CARBON DISULFIDE	6.857	76	538074	9.72	PPBV	94
16) ETHANOL	5.096	45	38925	8.18	PPBV	99
17) BROMOETHENE	5.368	106	151922	9.56	PPBV #	97
18) METHYLENE CHLORIDE	6.539	84	165718	9.93	PPBV	99
19) 3-CHLOROPROPENE	6.663	39	152078	7.31	PPBV	84
20) FREON 113	6.795	151	261039	7.58	PPBV	97
21) TRANS-1,2-DICHLOROETHY...	7.466	96	160175	9.68	PPBV	97
22) TERTIARY BUTYL ALCOHOL	6.426	59	272632	7.87	PPBV	95
23) METHYL TERTIARY BUTYL ...	7.707	73	310345	7.58	PPBV	97
24) TETRAHYDROFURAN	9.139	42	99435	10.29	PPBV	99
25) HEXANE	8.664	57	190362	9.51	PPBV	94
26) VINYL ACETATE	7.787	43	267501	7.84	PPBV	93
27) 1,1-DICHLOROETHANE	7.663	63	317640	8.89	PPBV	99
28) METHYL ETHYL KETONE	8.028	43	224773	8.74	PPBV	99
29) cis-1,2-DICHLOROETHYLENE	8.470	96	128662	10.42	PPBV	94
30) ETHYL ACETATE	8.660	43	388683	9.93	PPBV	100
31) CHLOROFORM	8.749	83	353090	8.49	PPBV	98
32) 1,1,1-TRICHLOROETHANE	9.705	97	336845	7.85	PPBV	99
33) CARBON TETRACHLORIDE	10.287	117	388161	7.73	PPBV	100
34) 1,2-DICHLOROETHANE	9.462	62	220218	8.38	PPBV	99
36) BENZENE	10.147	78	371260	9.79	PPBV	97
37) CYCLOHEXANE	10.412	84	165672	10.33	PPBV	98
38) TRICHLOROETHYLENE	11.145	95	214105	9.03	PPBV	95
39) 1,2-DICHLOROPROPANE	10.919	63	129486	9.69	PPBV	85
40) BROMODICHLOROMETHANE	11.104	83	327878	7.16	PPBV	97
41) 2,2,4-TRIMETHYLPENTANE	11.166	57	642383	9.79	PPBV #	93
42) 1,4-DIOXANE	11.132	88	64153	8.29	PPBV	92
43) HEPTANE	11.402	43	216996	9.89	PPBV	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4295a.D
Acq On : 15 Aug 2007 9:51 am
Operator : danat
Sample : bs (M164)
Misc : MS14080, MSQ228,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 15 11:46:27 2007
Quant Method : C:\msdchem\1\METHODS\Q081307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 13 15:27:19 2007
Response via : Initial Calibration

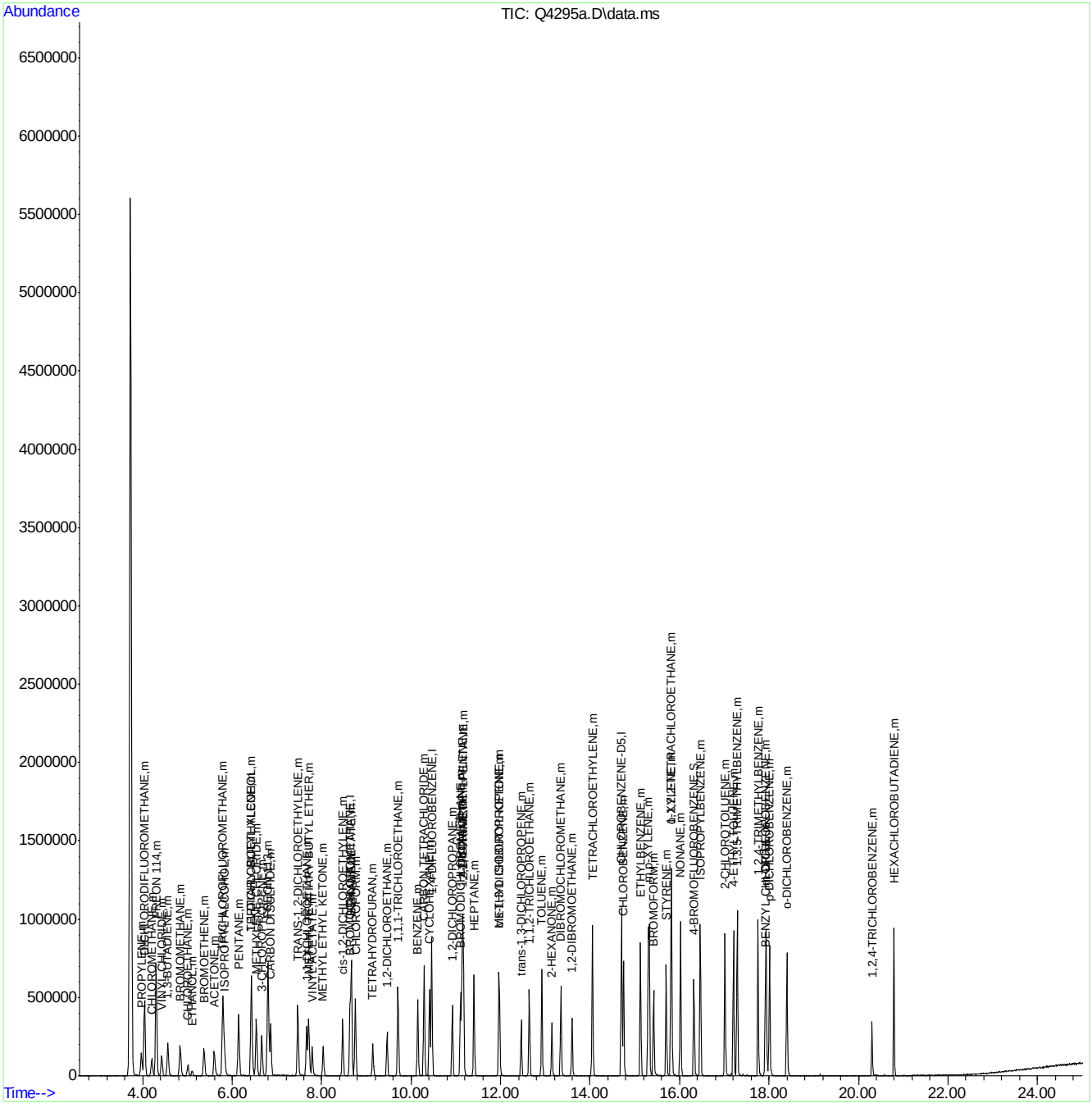
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.975	43	260294	8.62	PPBV	97
45) cis-1,3-DICHLOROPROPENE	11.959	75	201406	9.45	PPBV #	81
46) TOLUENE	12.919	92	241496	9.28	PPBV	96
47) trans-1,3-DICHLOROPROPENE	12.458	75	152243	7.65	PPBV	94
48) 1,1,2-TRICHLOROETHANE	12.641	83	134331	8.89	PPBV	99
50) 2-HEXANONE	13.141	43	207468	7.08	PPBV	95
51) TETRACHLOROETHYLENE	14.052	164	191059	9.07	PPBV	94
52) DIBROMOCHLOROMETHANE	13.345	129	274442	7.20	PPBV	100
53) 1,2-DIBROMOETHANE	13.596	107	223933	9.42	PPBV	99
54) CHLOROBENZENE	14.746	112	346588	9.76	PPBV	96
55) ETHYLBENZENE	15.125	91	539393	8.70	PPBV	98
56) m,p-XYLENE	15.301	106	416492	17.93	PPBV	92
57) o-XYLENE	15.819	106	206998	8.68	PPBV	93
58) STYRENE	15.702	104	288190	9.09	PPBV	94
59) NONANE	16.020	43	315034	8.94	PPBV	99
60) BROMOFORM	15.418	173	244924	7.37	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.807	83	343652	8.56	PPBV	98
63) ISOPROPYLBENZENE	16.464	105	609665	9.43	PPBV	97
64) 2-CHLOROTOLUENE	17.014	91	467417	8.45	PPBV	96
65) 4-ETHYLTOLUENE	17.204	105	522723	7.74	PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.287	105	531416	8.00	PPBV	97
67) 1,2,4-TRIMETHYLBENZENE	17.754	105	489533	8.15	PPBV	94
68) m-DICHLOROBENZENE	17.935	146	312074	9.28	PPBV	98
69) BENZYL CHLORIDE	17.912	91	278101	7.49	PPBV	98
70) p-DICHLOROBENZENE	18.011	146	300324	9.52	PPBV	98
71) o-DICHLOROBENZENE	18.398	146	272234	8.65	PPBV	99
72) HEXACHLOROBUTADIENE	20.792	225	142464	7.78	PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.301	180	85001	8.09	PPBV	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4295a.D
Acq On : 15 Aug 2007 9:51 am
Operator : danat
Sample : bs (M164)
Misc : MS14080, MSQ228,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 15 11:46:27 2007
Quant Method : C:\msdchem\1\METHODS\Q081307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 13 15:27:19 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 : 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

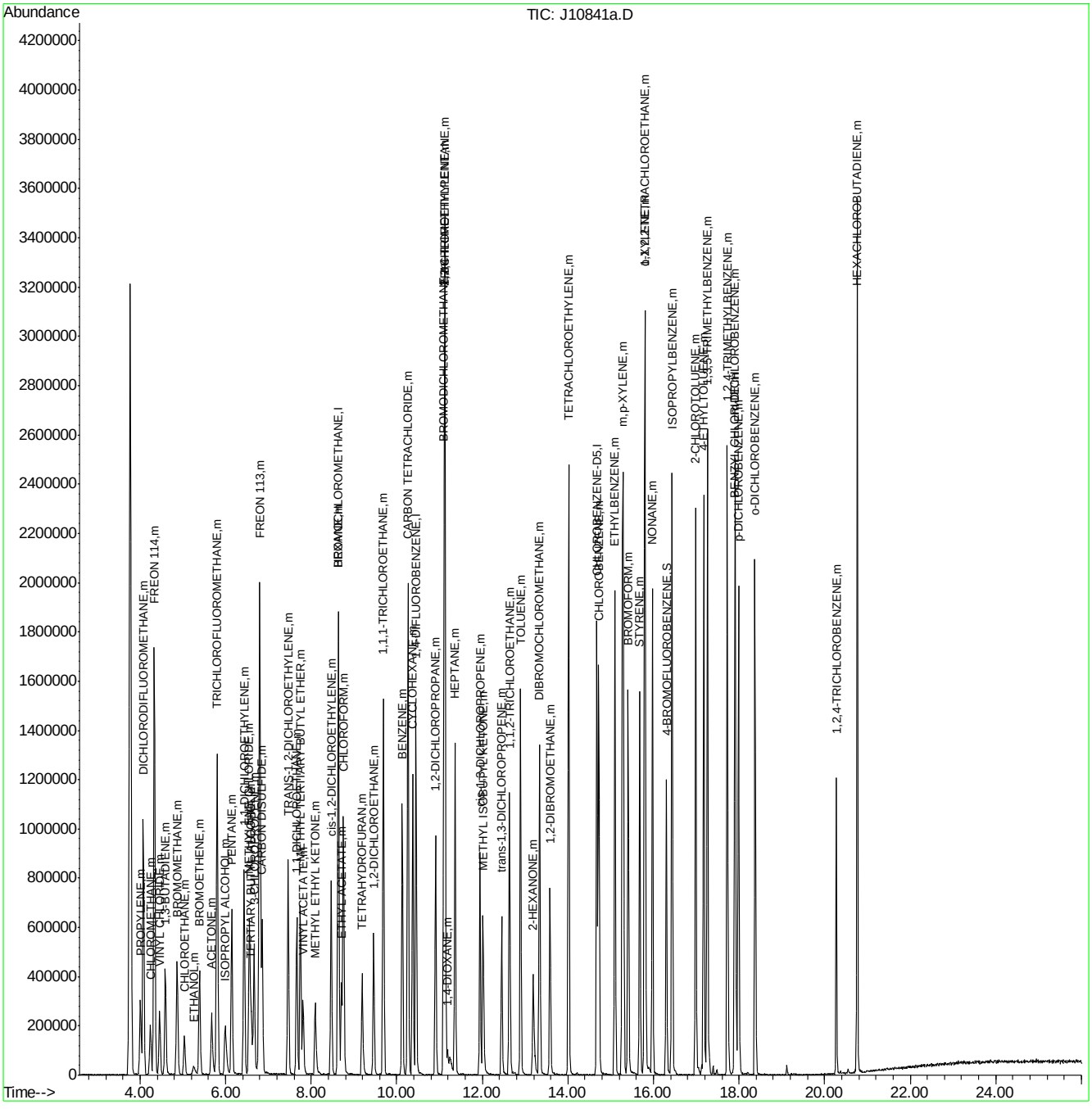
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.01	43	539941	15.25	PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.94	75	468418	13.44	PPBV	99
46) TOLUENE	12.89	92	670460	17.30	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.45	75	367062	10.82	PPBV	100
48) 1,1,2-TRICHLOROETHANE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



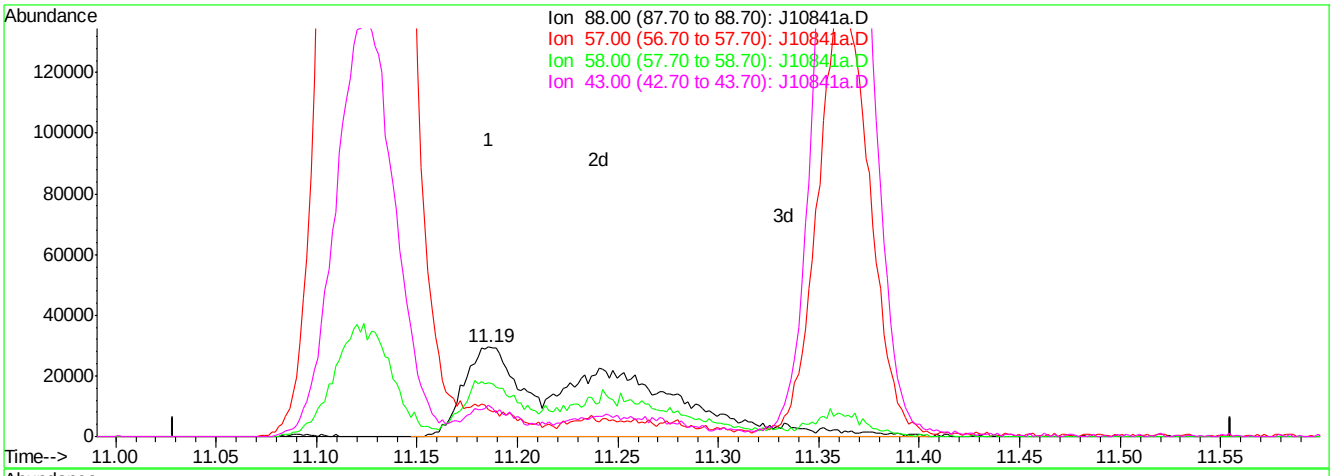
ACCUTEST Laboratories
M66976

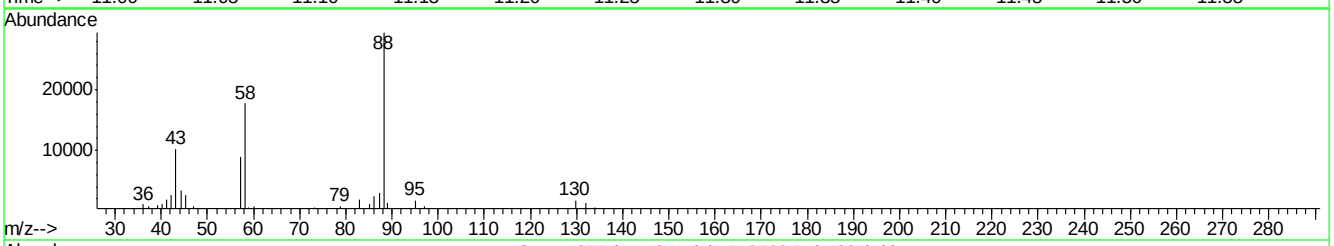
Quantitation Report (Qedit)

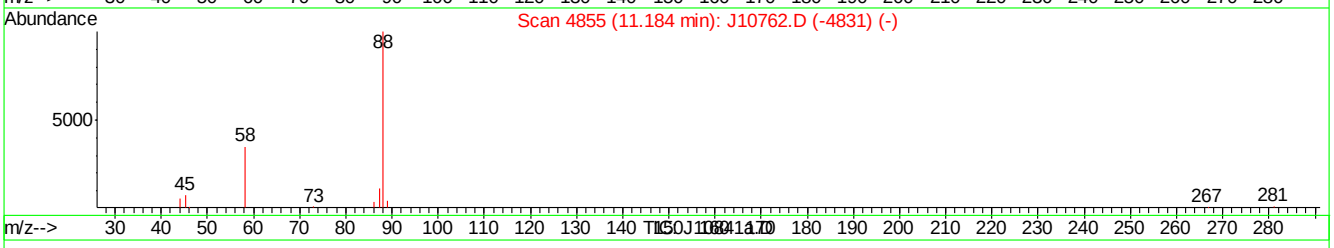
Data File : C:\MSDCHEM\1\DATA\J10841a.D Vial: 1
Acq On : 3 Jul 2007 11:46 am Operator: danat
Sample : bs (M080) Inst : MSJ
Misc : MS13762, MSJ561,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

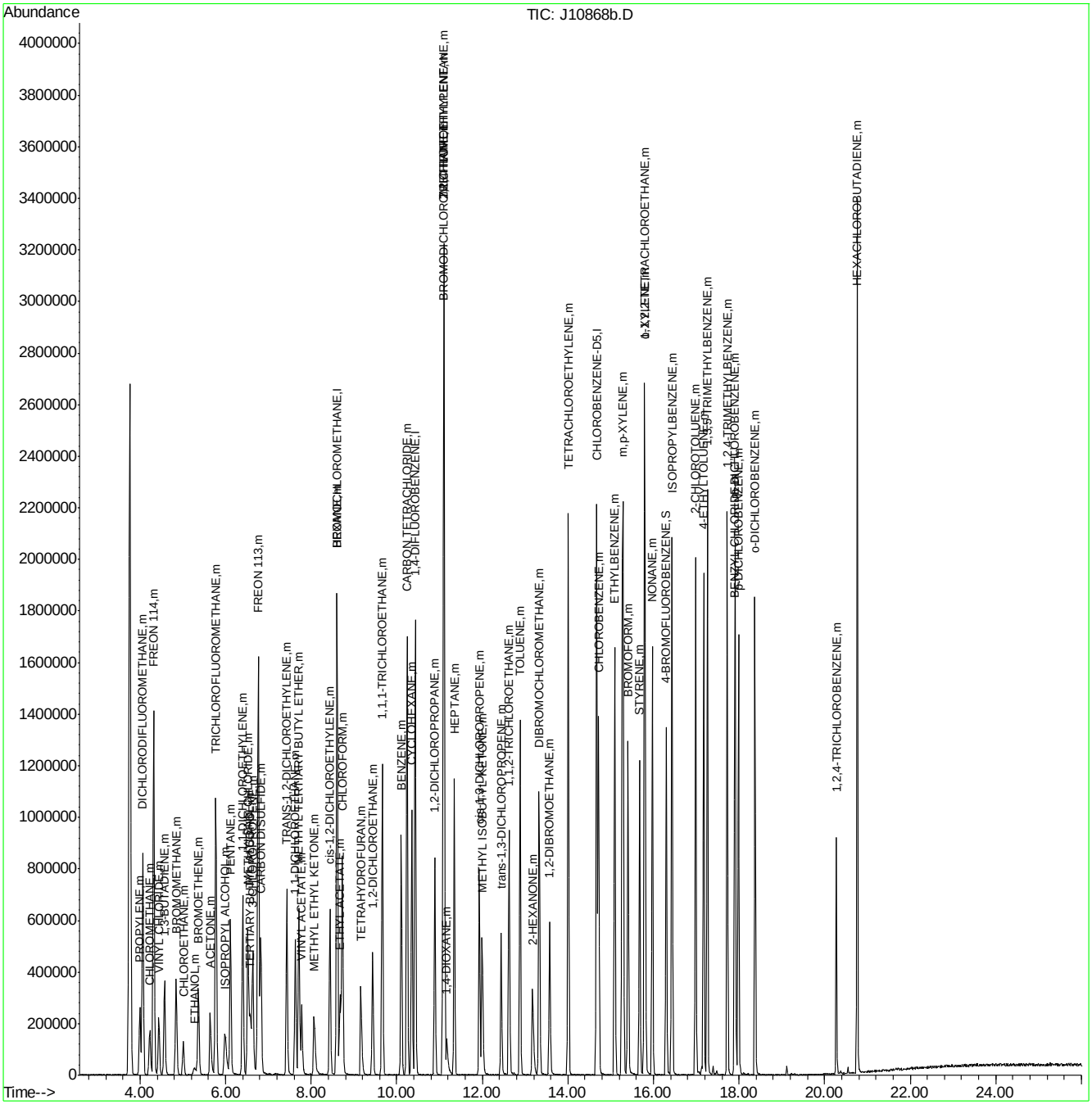
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.99	43	470043	10.33	PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.93	75	407474	10.95	PPBV	98
46) TOLUENE	12.88	92	578281	11.03	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.44	75	315716	9.17	PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.62	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 M66976

Manual Integrations APPROVED (compounds with "m" flag)
Philip Bassignani
08/20/07 11:12

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4301.D
Acq On : 15 Aug 2007 3:09 pm
Operator : danat
Sample : m66975-2dup (M076)
Misc : MS14127, MSQ228,,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 17 13:51:47 2007
Quant Method : C:\msdchem\1\METHODS\Q081307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 13 15:27:19 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.630	128	165192	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.458	114	776718	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.700	117	672845	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.320	95	230440	4.51	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 90.20%

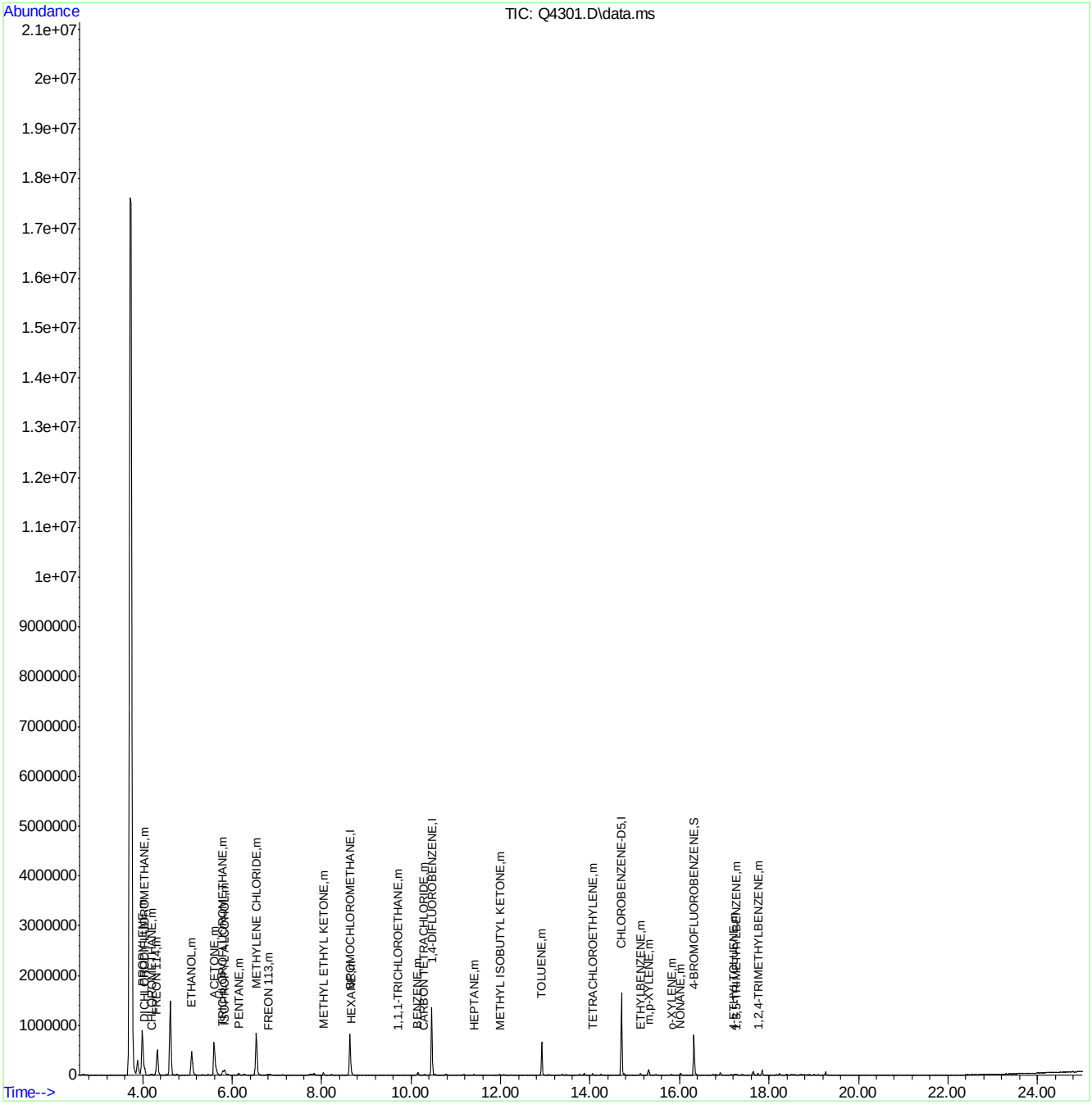
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.035	85	163304	1.76	PPBV	97
3) PROPYLENE	3.989	41	302141	23.91	PPBV #	40
4) FREON 114	4.299	85	35737	0.43	PPBV	91
5) CHLOROMETHANE	4.198	50	15064	0.78	PPBV	89
10) TRICHLOROFLUOROMETHANE	5.790	101	73831	0.75	PPBV	99
11) ISOPROPYL ALCOHOL	5.827	45	126854	2.95	PPBV	76
12) ACETONE	5.591	43	1081745	29.58	PPBV	99
13) PENTANE	6.151	42	19773	0.75	PPBV	84
16) ETHANOL	5.091	45	674837	71.94	PPBV	98
18) METHYLENE CHLORIDE	6.537	84	360839	14.96	PPBV	86
20) FREON 113	6.798	151	2603	0.05	PPBV #	29
25) HEXANE	8.665	57	9009	0.31	PPBV #	69
28) METHYL ETHYL KETONE	8.039	43	59520	1.59	PPBV	92
32) 1,1,1-TRICHLOROETHANE	9.704	97	5895	0.09	PPBV	95
33) CARBON TETRACHLORIDE	10.289	117	7507	0.10	PPBV	96
36) BENZENE	10.151	78	41860	0.85	PPBV	95
43) HEPTANE	11.397	43	4522	0.16	PPBV	80
44) METHYL ISOBUTYL KETONE	11.979	43	8657	0.22	PPBV	86
46) TOLUENE	12.921	92	198332	6.13	PPBV	96
51) TETRACHLOROETHYLENE	14.050	164	4961	0.18	PPBV	96
55) ETHYLBENZENE	15.126	91	19806	0.57	PPBV	96
56) m,p-XYLENE	15.303	106	31904	1.79	PPBV	96
57) o-XYLENE	15.812	106	5636	0.63	PPBV	95
59) NONANE	16.016	43	11774	0.59	PPBV #	86
65) 4-ETHYLTOLUENE	17.204	105	3230m	0.64	PPBV	
66) 1,3,5-TRIMETHYLBENZENE	17.284	105	3554	0.59	PPBV	95
67) 1,2,4-TRIMETHYLBENZENE	17.754	105	12211	0.80	PPBV	96

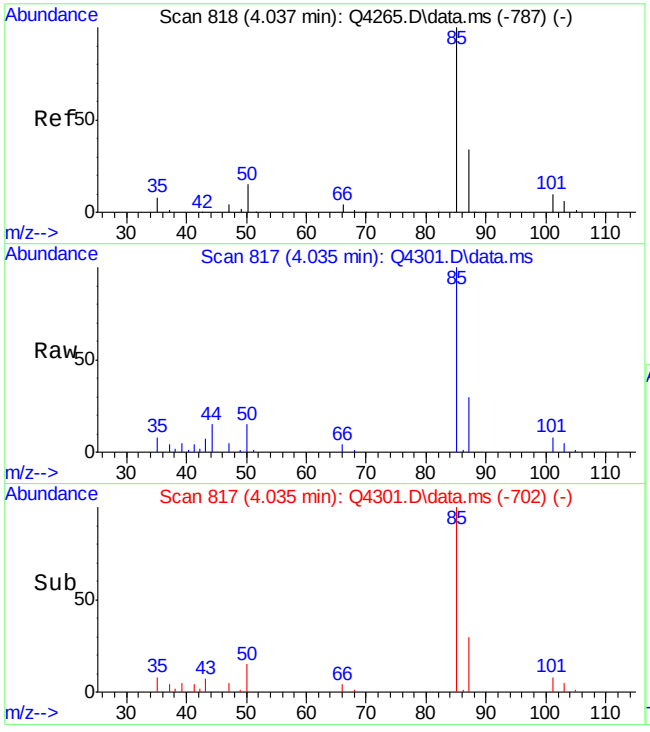
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4301.D
Acq On : 15 Aug 2007 3:09 pm
Operator : danat
Sample : m66975-2dup (M076)
Misc : MS14127, MSQ228,,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 17 13:51:47 2007
Quant Method : C:\msdchem\1\METHODS\Q081307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 13 15:27:19 2007
Response via : Initial Calibration

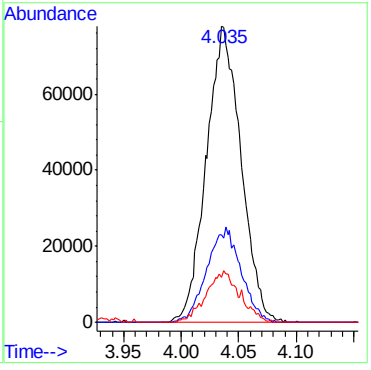


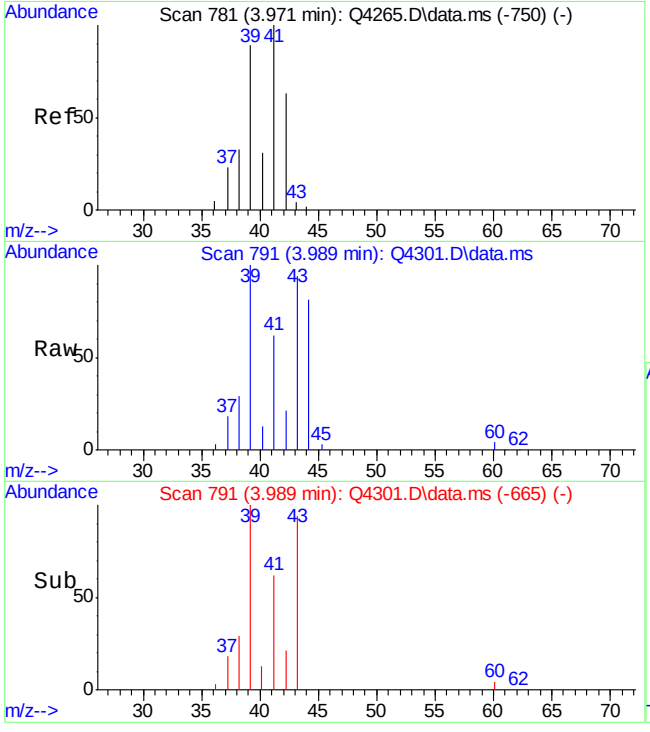


#2
DICHLORODIFLUOROMETHANE
Concen: 1.76 PPBV
RT: 4.035 min Scan# 817
Delta R.T. -0.002 min
Lab File: Q4301.D
Acq: 15 Aug 2007 3:09 pm

Tgt Ion: 85 Resp: 163304

Ion	Ratio	Lower	Upper
85	100		
87	31.6	12.7	52.7
50	17.0	0.0	34.7

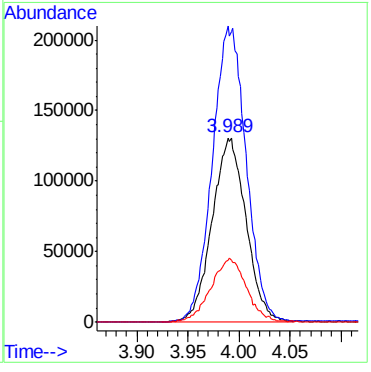


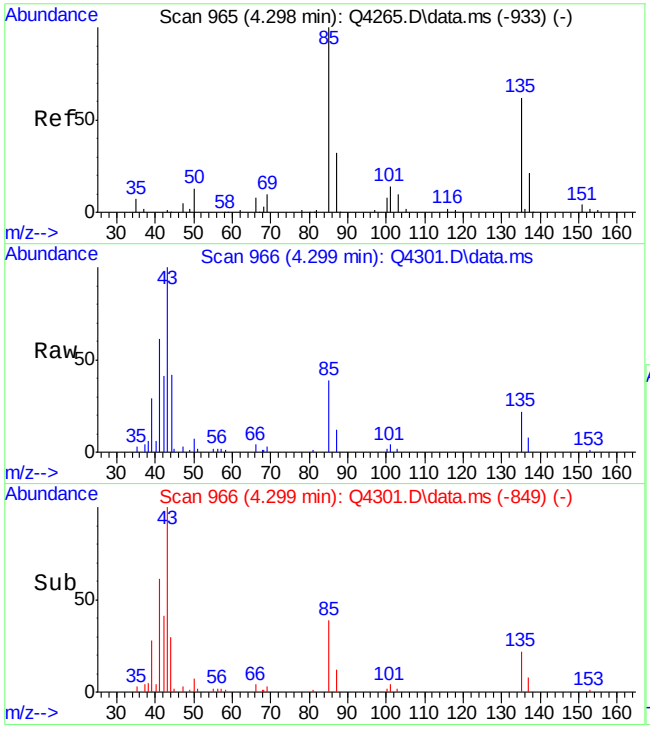


#3
PROPYLENE
Concen: 23.91 PPBV
RT: 3.989 min Scan# 791
Delta R.T. 0.018 min
Lab File: Q4301.D
Acq: 15 Aug 2007 3:09 pm

Tgt Ion: 41 Resp: 302141

Ion	Ratio	Lower	Upper
41	100		
39	160.5	69.1	109.1#
42	33.6	42.7	82.7#

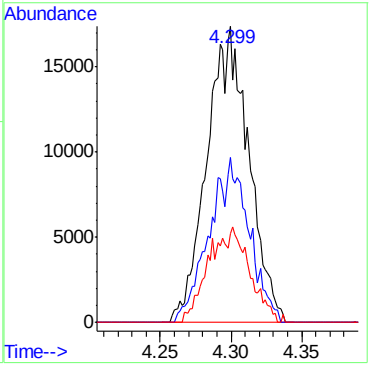


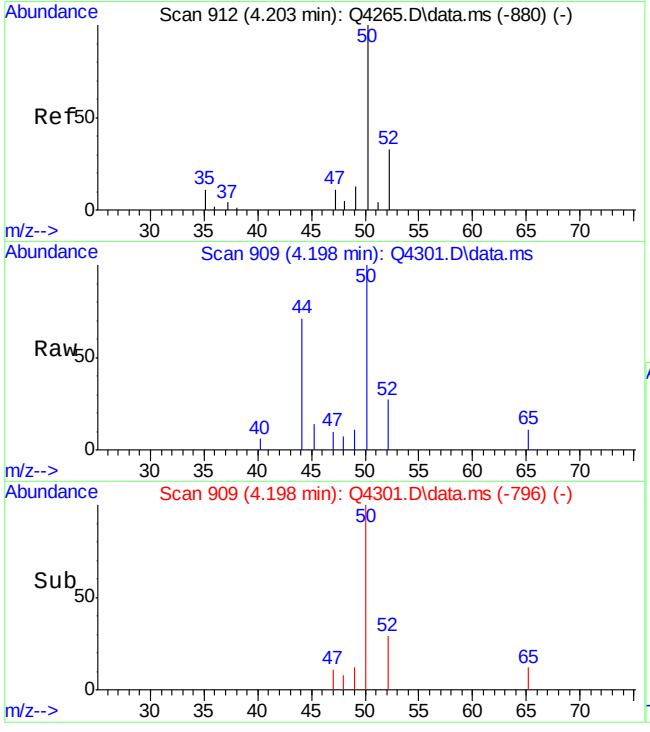


#4
FREON 114
Concen: 0.43 PPBV
RT: 4.299 min Scan# 966
Delta R.T. 0.002 min
Lab File: Q4301.D
Acq: 15 Aug 2007 3:09 pm

Tgt Ion: 85 Resp: 35737

Ion	Ratio	Lower	Upper
85	100		
135	53.0	43.1	83.1
87	31.6	12.5	52.5

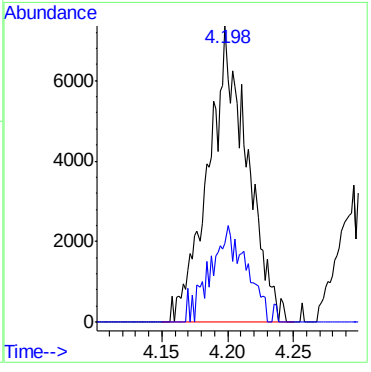


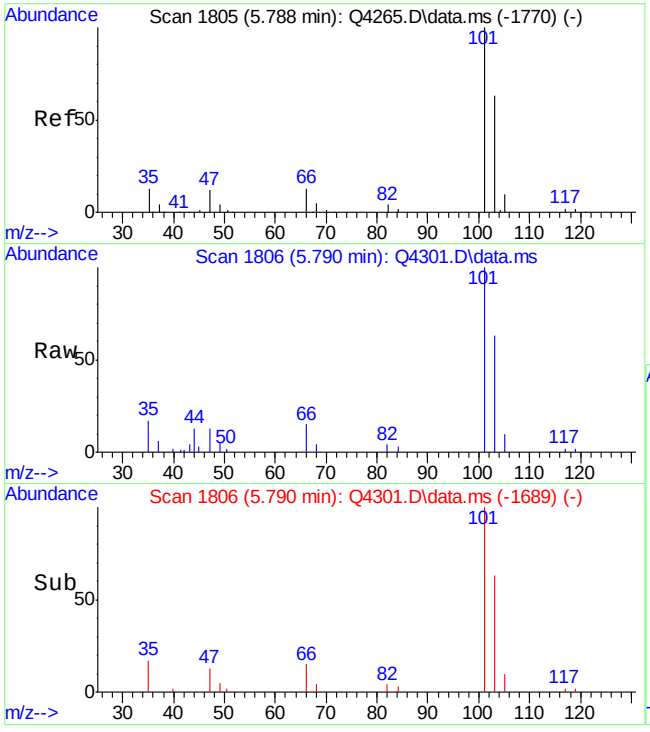


#5
CHLOROMETHANE
Concen: 0.78 PPBV
RT: 4.198 min Scan# 909
Delta R.T. -0.005 min
Lab File: Q4301.D
Acq: 15 Aug 2007 3:09 pm

Tgt Ion: 50 Resp: 15064

Ion	Ratio	Lower	Upper
50	100		
52	26.7	12.8	52.8

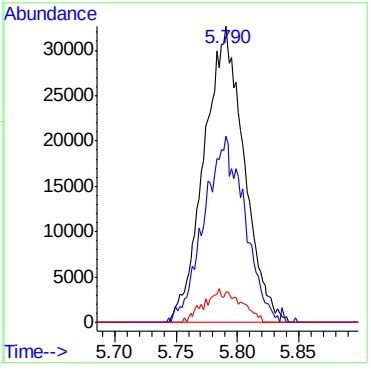


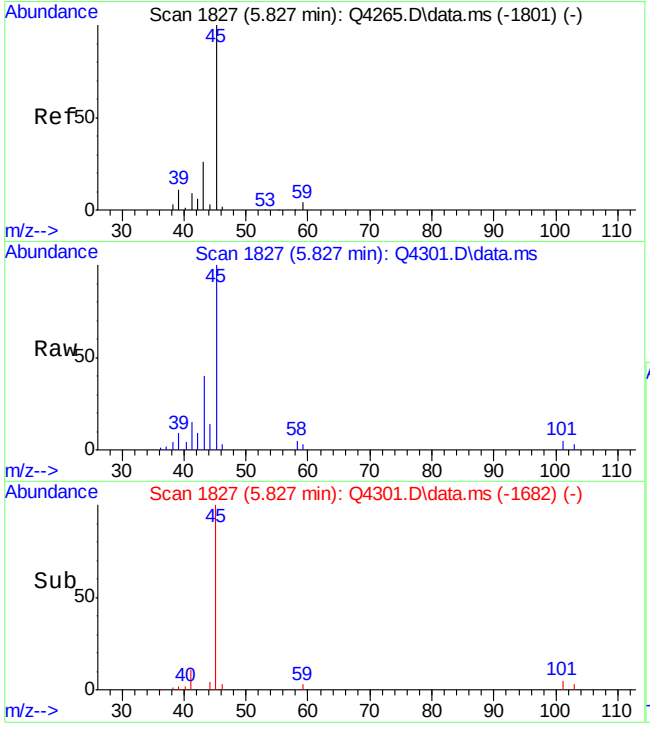


#10
TRICHLOROFLUOROMETHANE
Concen: 0.75 PPBV
RT: 5.790 min Scan# 1806
Delta R.T. 0.002 min
Lab File: Q4301.D
Acq: 15 Aug 2007 3:09 pm

Tgt Ion:101 Resp: 73831

Ion	Ratio	Lower	Upper
101	100		
103	63.9	44.5	84.5
105	10.1	0.0	30.2

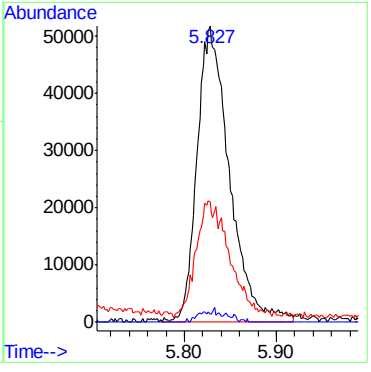


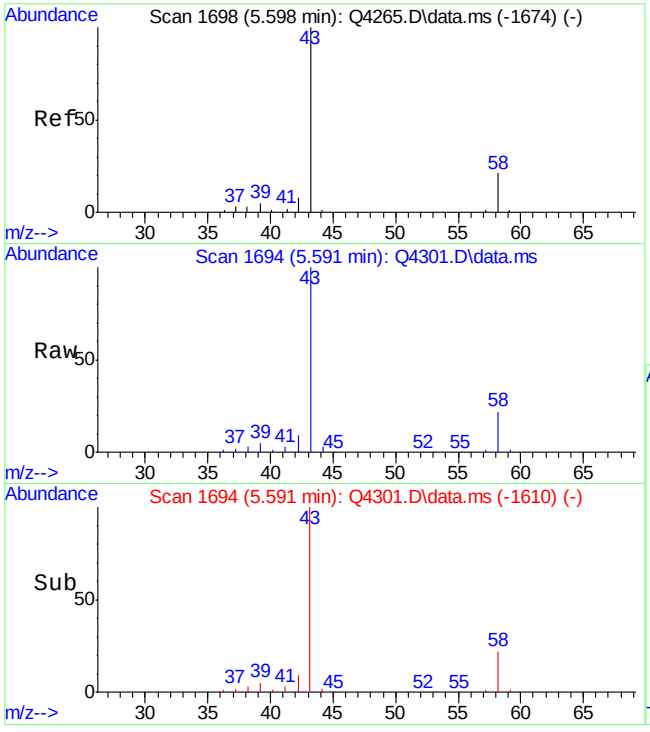


#11
ISOPROPYL ALCOHOL
Concen: 2.95 PPBV
RT: 5.827 min Scan# 1827
Delta R.T. 0.000 min
Lab File: Q4301.D
Acq: 15 Aug 2007 3:09 pm

Tgt Ion: 45 Resp: 126854

Ion	Ratio	Lower	Upper
45	100		
59	2.6	0.0	23.6
43	40.5	6.7	46.7

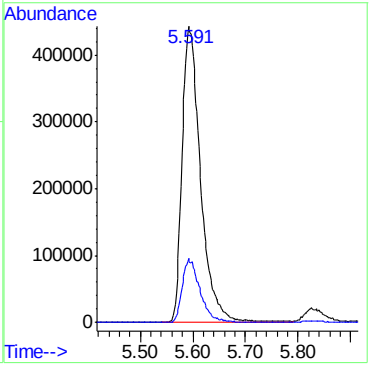


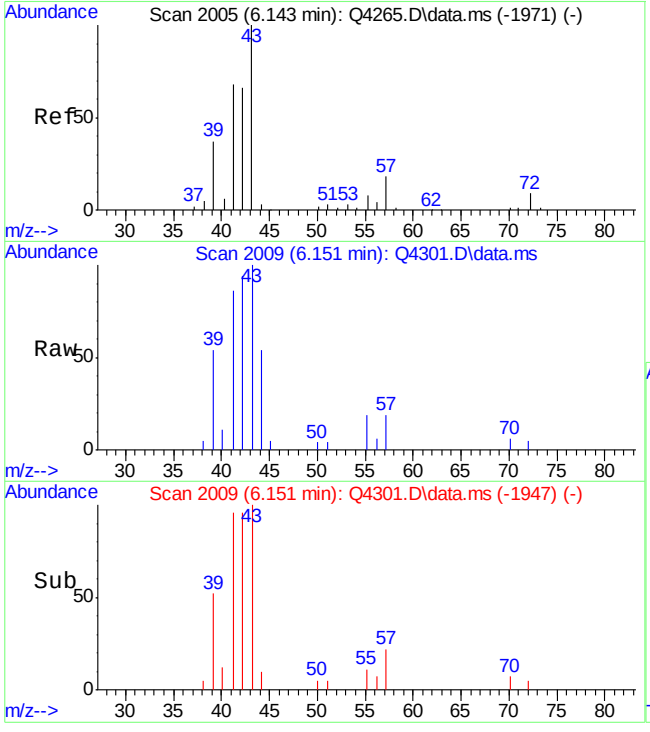


#12
ACETONE
Concen: 29.58 PPBV
RT: 5.591 min Scan# 1694
Delta R.T. -0.007 min
Lab File: Q4301.D
Acq: 15 Aug 2007 3:09 pm

Tgt Ion: 43 Resp: 1081745

Ion	Ratio	Lower	Upper
43	100		
58	20.4	0.0	40.0

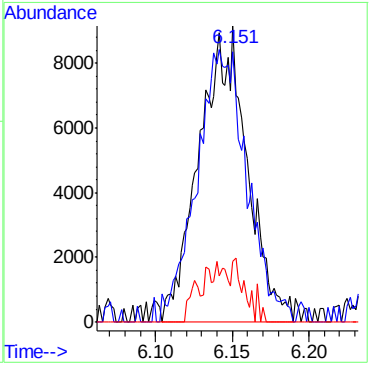




#13
PENTANE
Concen: 0.75 PPBV
RT: 6.151 min Scan# 2009
Delta R.T. 0.007 min
Lab File: Q4301.D
Acq: 15 Aug 2007 3:09 pm

Tgt Ion: 42 Resp: 19773

Ion	Ratio	Lower	Upper
42	100		
41	97.0	93.8	133.8
57	17.2	5.6	45.6



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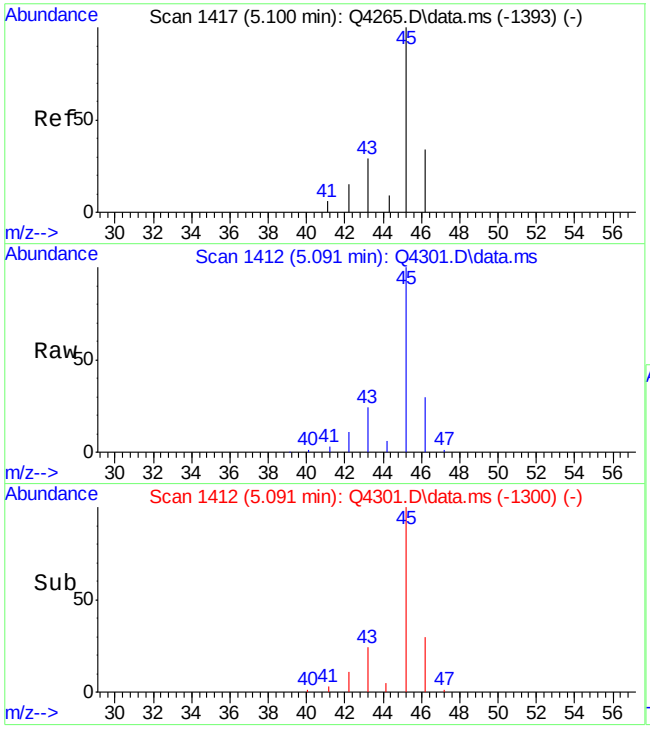
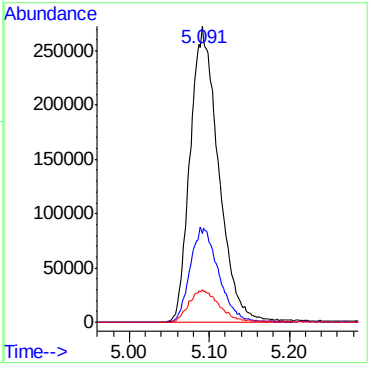
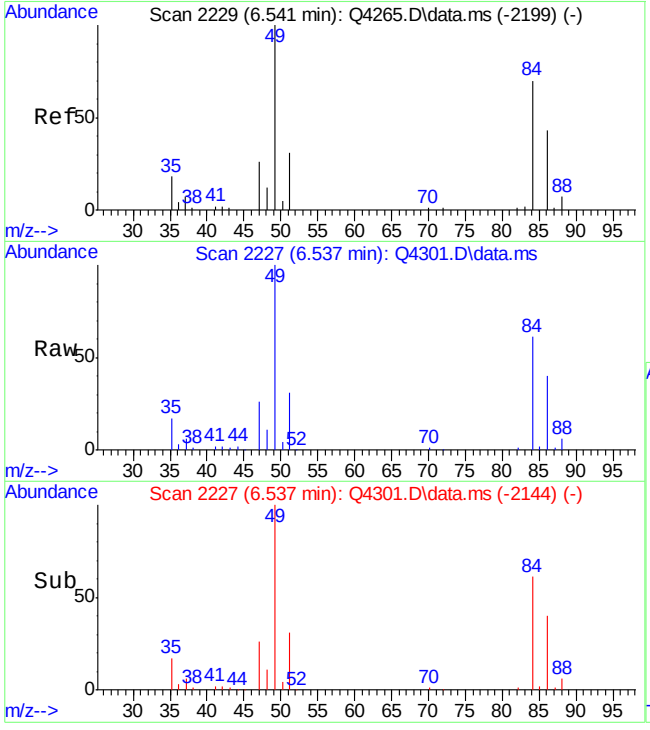


#16
ETHANOL
Concen: 71.94 PPBV
RT: 5.091 min Scan# 1412
Delta R.T. -0.008 min
Lab File: Q4301.D
Acq: 15 Aug 2007 3:09 pm

Tgt Ion: 45 Resp: 674837

Ion	Ratio	Lower	Upper
45	100		
46	32.0	11.0	51.0
42	11.8	0.0	33.0

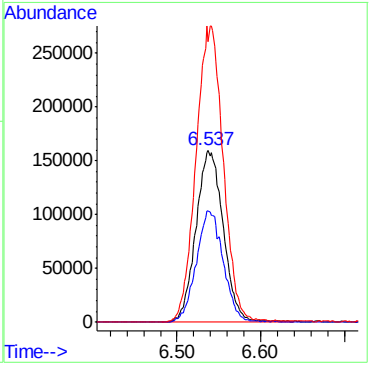


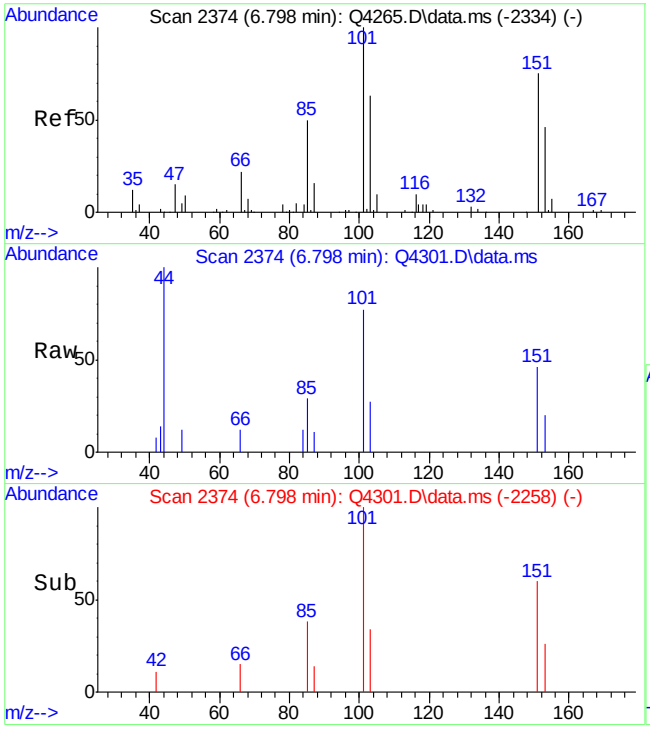


#18
METHYLENE CHLORIDE
Concen: 14.96 PPBV
RT: 6.537 min Scan# 2227
Delta R.T. -0.003 min
Lab File: Q4301.D
Acq: 15 Aug 2007 3:09 pm

Tgt Ion: 84 Resp: 360839

Ion	Ratio	Lower	Upper
84	100		
86	63.6	43.2	83.2
49	172.9	0.0	347.4

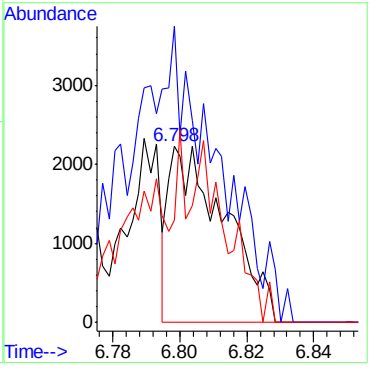


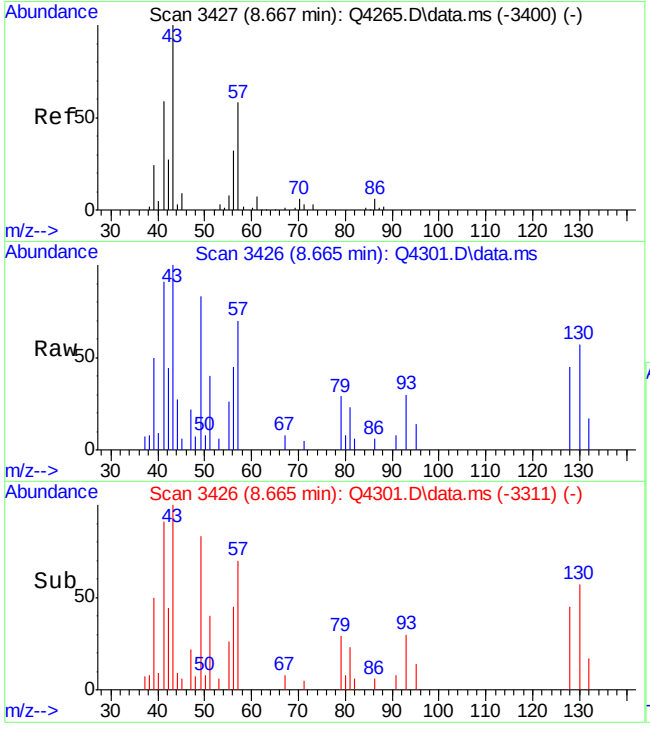


#20
FREON 113
Concen: 0.05 PPBV
RT: 6.798 min Scan# 2374
Delta R.T. 0.000 min
Lab File: Q4301.D
Acq: 15 Aug 2007 3:09 pm

Tgt Ion:151 Resp: 2603

Ion	Ratio	Lower	Upper
151	100		
101	267.2	117.2	157.2#
103	97.4	66.8	106.8

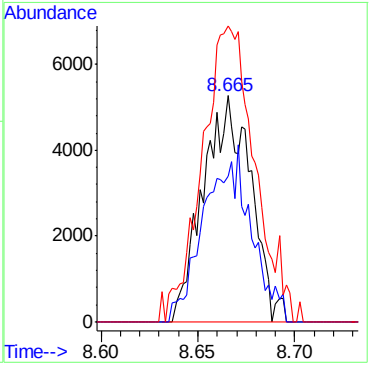


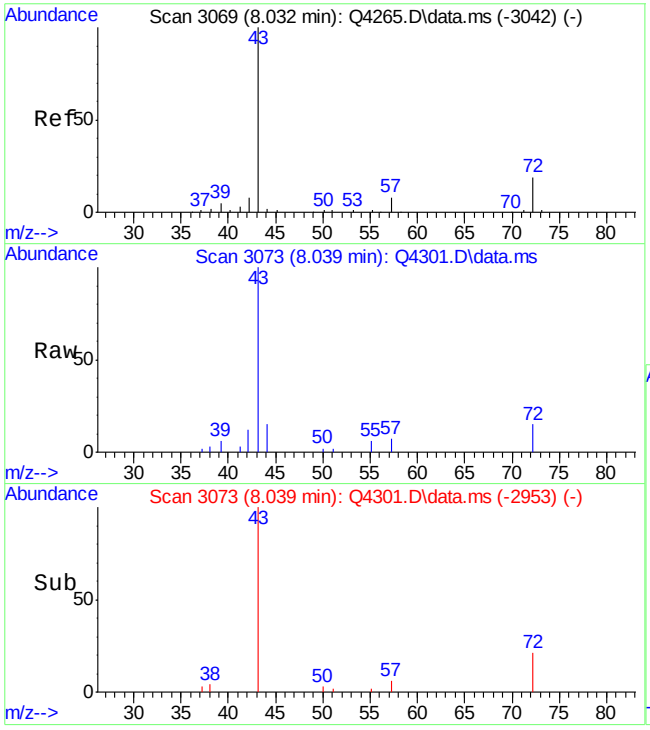


#25
HEXANE
Concen: 0.31 PPBV
RT: 8.665 min Scan# 3426
Delta R.T. -0.002 min
Lab File: Q4301.D
Acq: 15 Aug 2007 3:09 pm

Tgt Ion: 57 Resp: 9009

Ion	Ratio	Lower	Upper
57	100		
56	75.4	37.2	77.2
41	144.8	89.3	129.3#

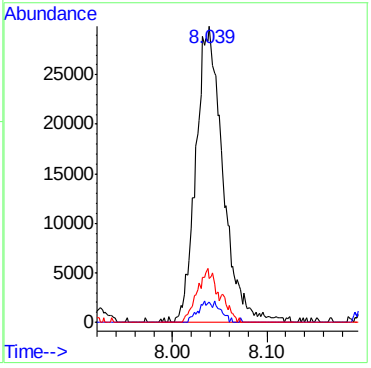


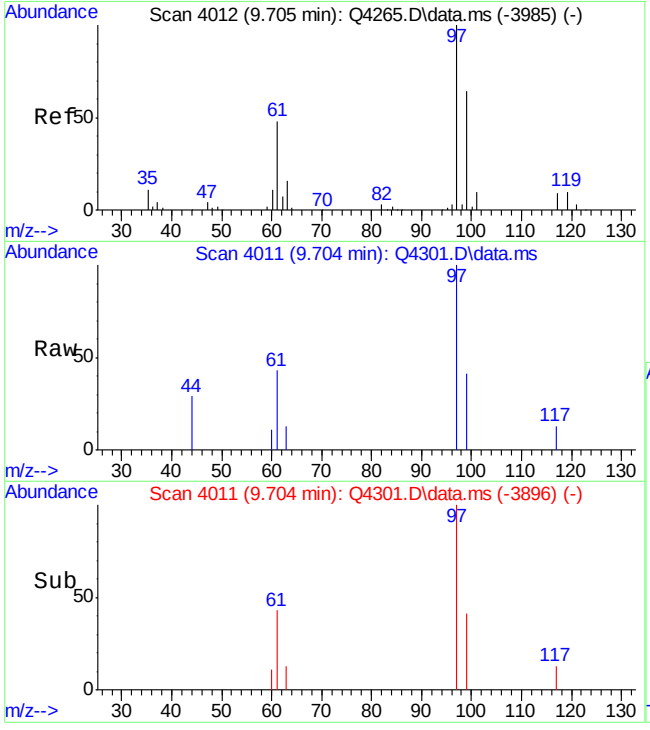


#28
METHYL ETHYL KETONE
Concen: 1.59 PPBV
RT: 8.039 min Scan# 3073
Delta R.T. 0.007 min
Lab File: Q4301.D
Acq: 15 Aug 2007 3:09 pm

Tgt Ion: 43 Resp: 59520

Ion	Ratio	Lower	Upper
43	100		
57	6.7	0.0	27.8
72	14.7	0.0	39.1

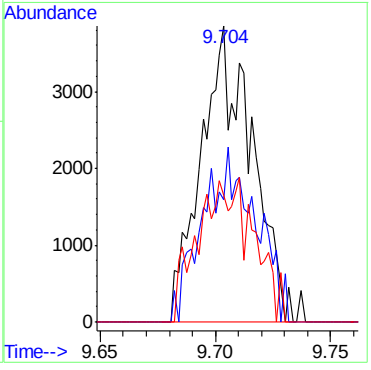




#32
1,1,1-TRICHLOROETHANE
Concen: 0.09 PPBV
RT: 9.704 min Scan# 4011
Delta R.T. -0.002 min
Lab File: Q4301.D
Acq: 15 Aug 2007 3:09 pm

Tgt Ion: 97 Resp: 5895

Ion	Ratio	Lower	Upper
97	100		
99	60.9	43.8	83.8
61	53.7	29.1	69.1



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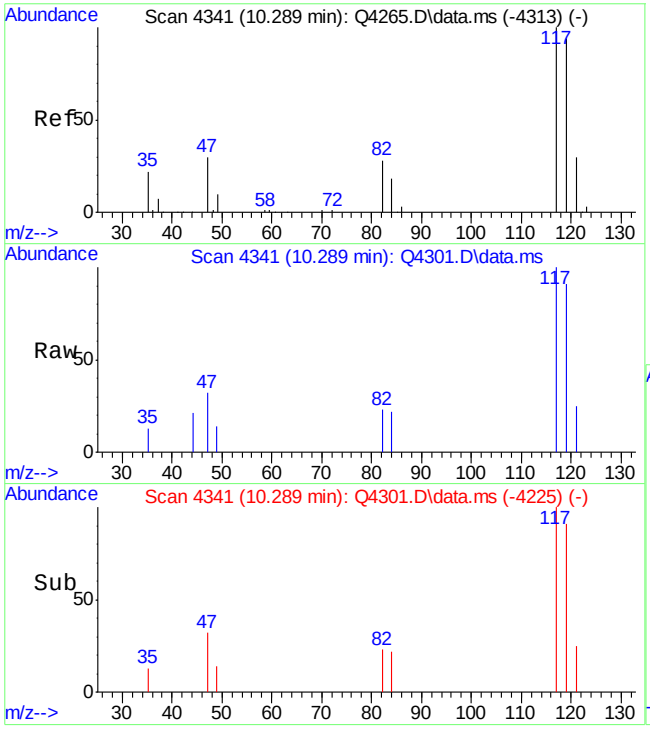
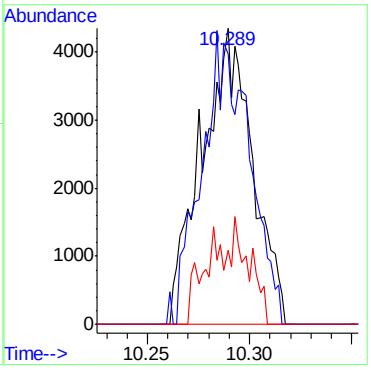
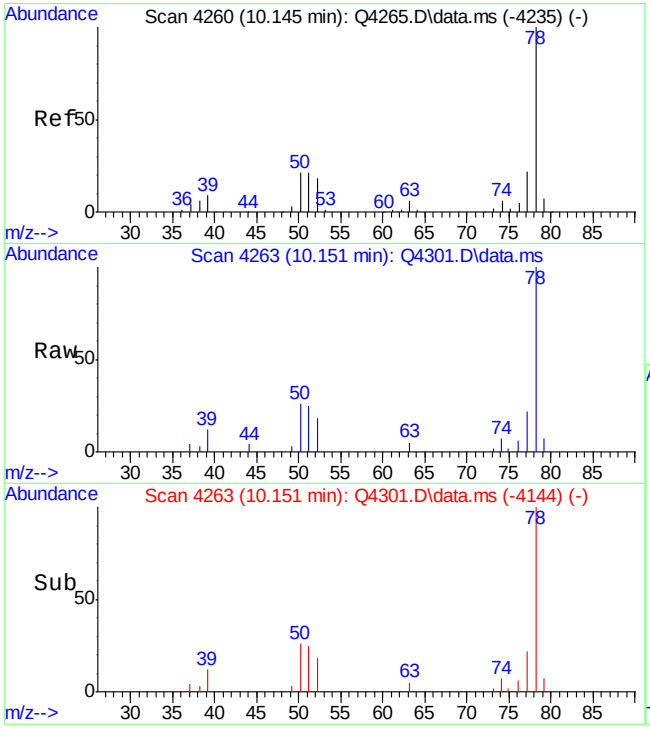


#33
CARBON TETRACHLORIDE
Concen: 0.10 PPBV
RT: 10.289 min Scan# 4341
Delta R.T. 0.000 min
Lab File: Q4301.D
Acq: 15 Aug 2007 3:09 pm

Tgt Ion:117 Resp: 7507

Ion	Ratio	Lower	Upper
117	100		
119	92.4	75.5	115.5
121	26.9	10.0	50.0

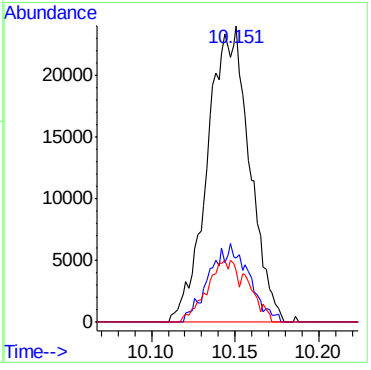


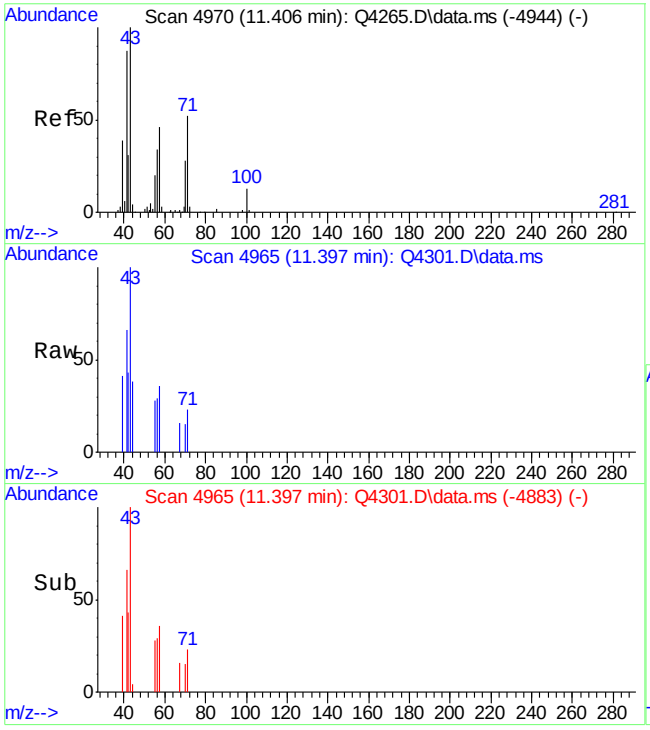


#36
BENZENE
Concen: 0.85 PPBV
RT: 10.151 min Scan# 4263
Delta R.T. 0.005 min
Lab File: Q4301.D
Acq: 15 Aug 2007 3:09 pm

Tgt Ion: 78 Resp: 41860

Ion	Ratio	Lower	Upper
78	100		
77	24.9	3.1	43.1
52	20.5	0.0	37.8

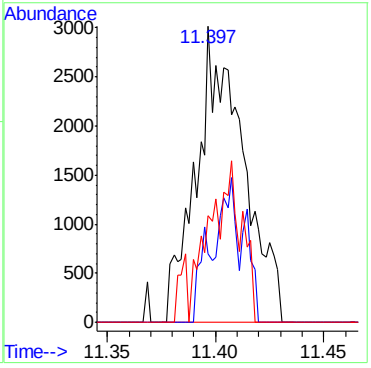


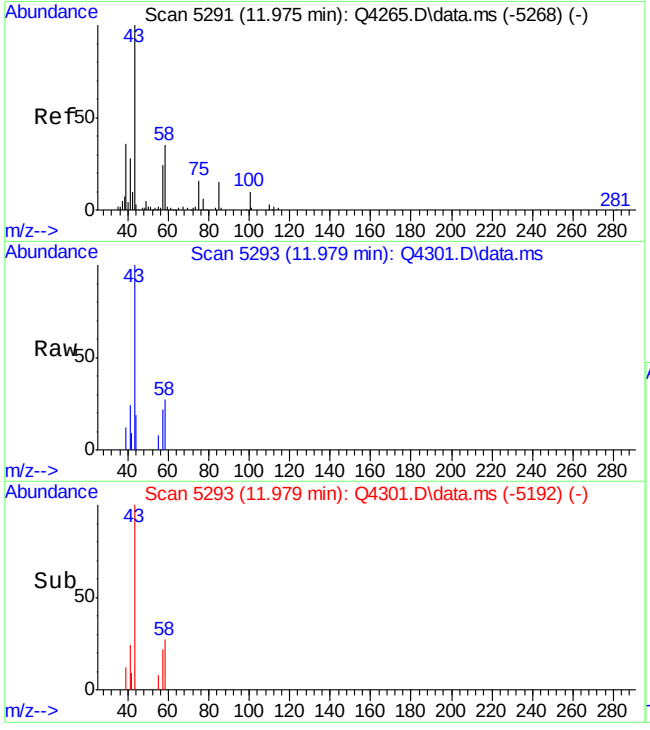


#43
HEPTANE
Concen: 0.16 PPBV
RT: 11.397 min Scan# 4965
Delta R.T. -0.009 min
Lab File: Q4301.D
Acq: 15 Aug 2007 3:09 pm

Tgt Ion: 43 Resp: 4522

Ion	Ratio	Lower	Upper
43	100		
71	32.8	32.1	72.1
57	41.2	30.1	70.1

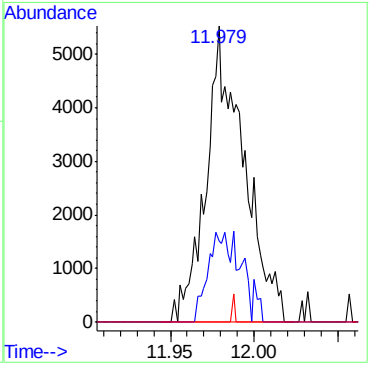


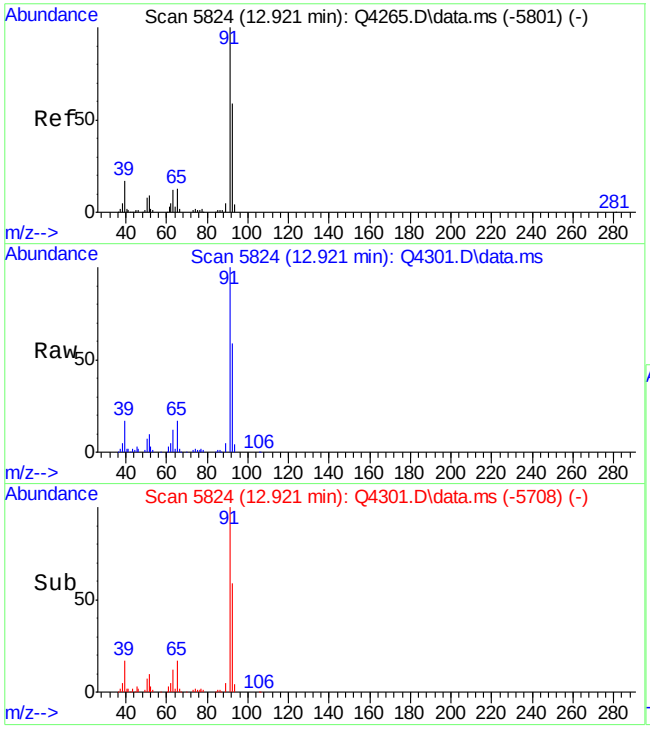


#44
METHYL ISOBUTYL KETONE
Concen: 0.22 PPBV
RT: 11.979 min Scan# 5293
Delta R.T. 0.004 min
Lab File: Q4301.D
Acq: 15 Aug 2007 3:09 pm

Tgt Ion: 43 Resp: 8657

Ion	Ratio	Lower	Upper
43	100		
58	27.0	13.6	53.6
100	0.6	0.0	29.5

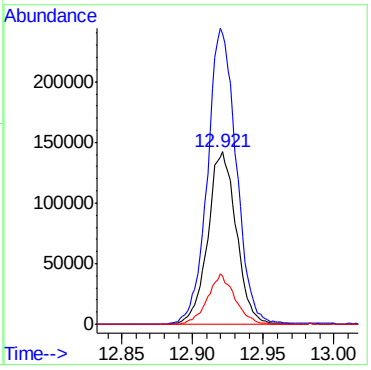


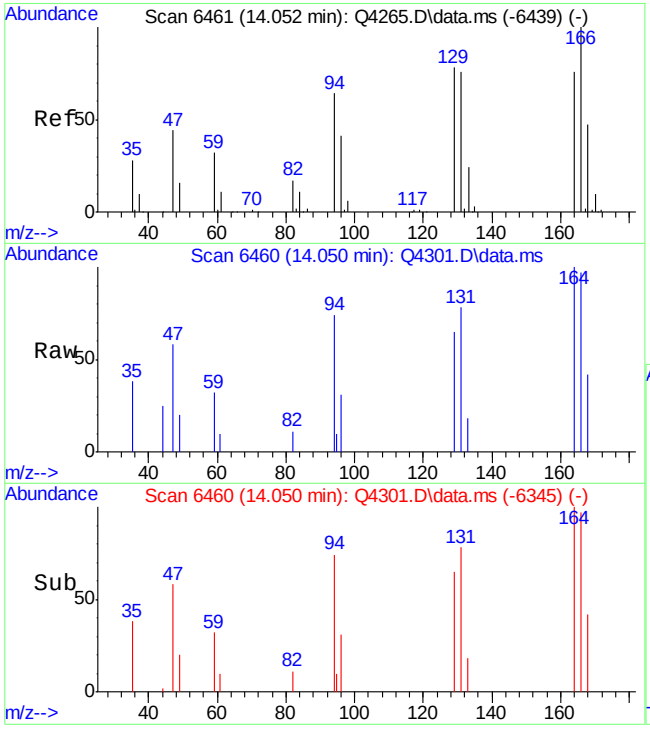


#46
TOLUENE
Concen: 6.13 PPBV
RT: 12.921 min Scan# 5824
Delta R.T. 0.000 min
Lab File: Q4301.D
Acq: 15 Aug 2007 3:09 pm

Tgt Ion: 92 Resp: 198332

Ion	Ratio	Lower	Upper
92	100		
91	174.6	149.9	189.9
65	27.9	3.6	43.6

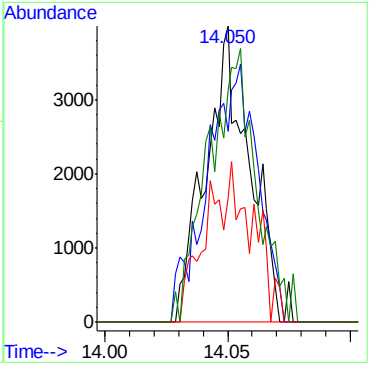


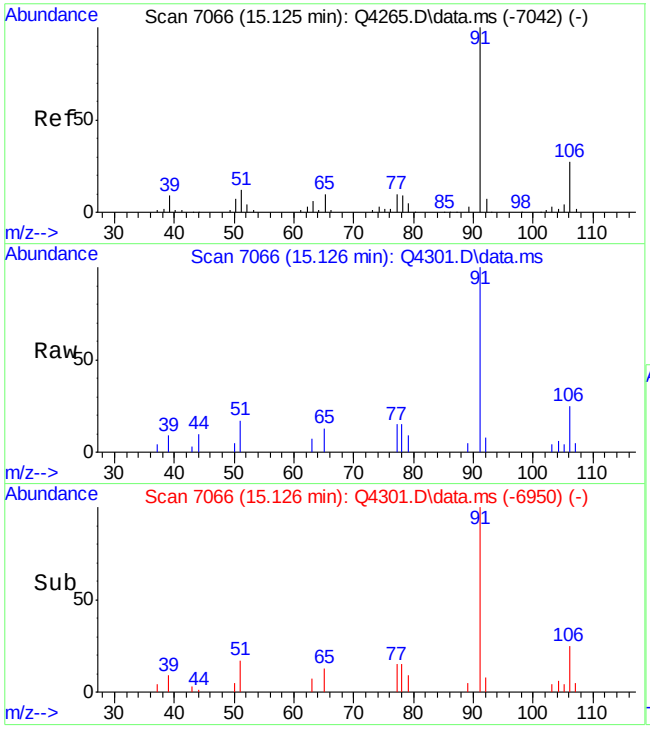


#51
TETRACHLOROETHYLENE
Concen: 0.18 PPBV
RT: 14.050 min Scan# 6460
Delta R.T. -0.002 min
Lab File: Q4301.D
Acq: 15 Aug 2007 3:09 pm

Tgt Ion:164 Resp: 4961

Ion	Ratio	Lower	Upper
164	100		
129	100.2	84.3	124.3
168	57.8	42.7	82.7
131	102.3	79.9	119.9

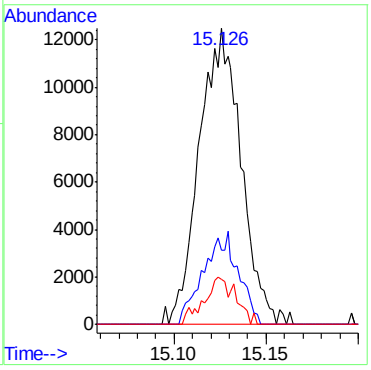


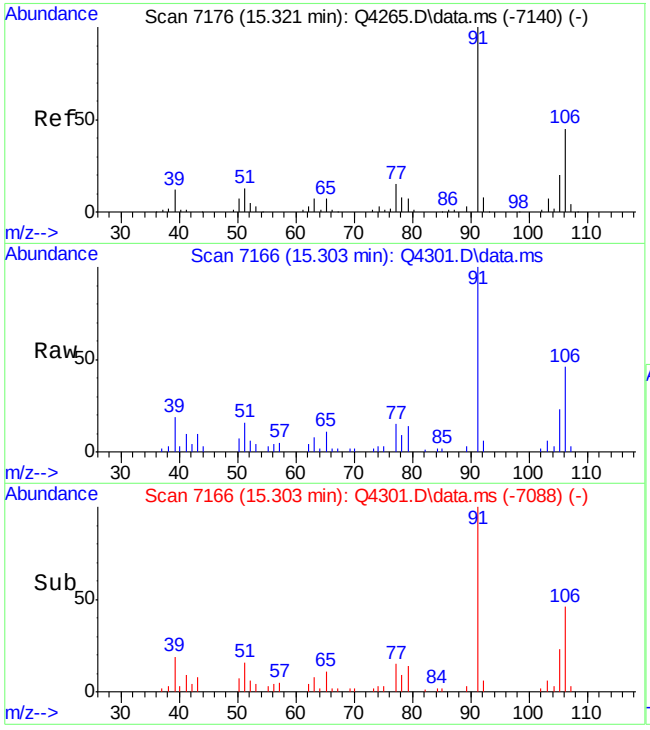


#55
ETHYLBENZENE
Concen: 0.57 PPBV
RT: 15.126 min Scan# 7066
Delta R.T. 0.001 min
Lab File: Q4301.D
Acq: 15 Aug 2007 3:09 pm

Tgt Ion: 91 Resp: 19806

Ion	Ratio	Lower	Upper
91	100		
106	25.8	7.5	47.5
77	11.9	0.0	30.2

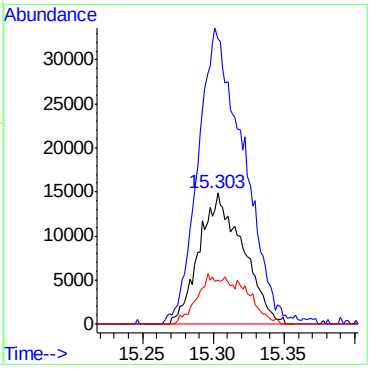


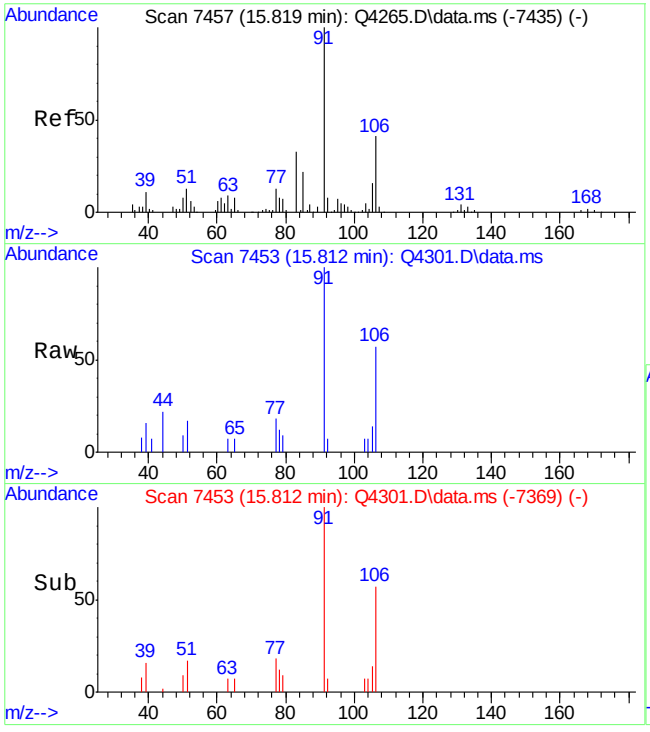


#56
m,p-XYLENE
Concen: 1.79 PPBV
RT: 15.303 min Scan# 7166
Delta R.T. -0.017 min
Lab File: Q4301.D
Acq: 15 Aug 2007 3:09 pm

Tgt Ion:106 Resp: 31904

Ion	Ratio	Lower	Upper
106	100		
91	217.1	179.8	269.6
77	33.2	26.6	39.8

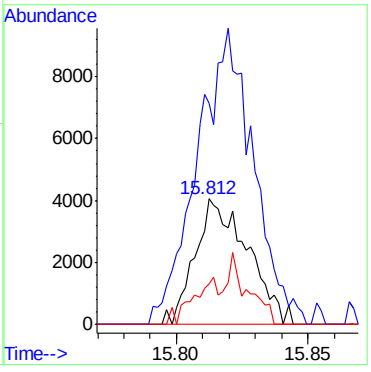


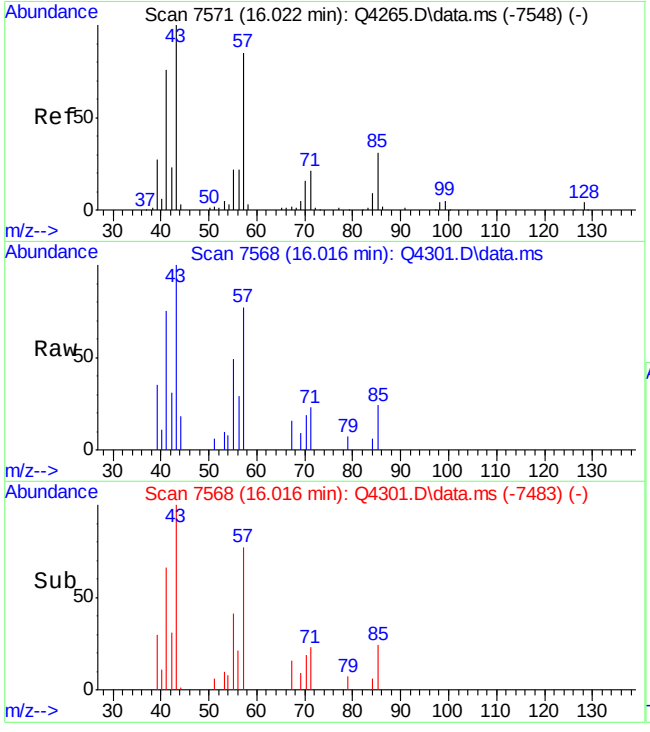


#57
o-XYLENE
Concen: 0.63 PPBV
RT: 15.812 min Scan# 7453
Delta R.T. -0.007 min
Lab File: Q4301.D
Acq: 15 Aug 2007 3:09 pm

Tgt Ion:106 Resp: 5636

Ion	Ratio	Lower	Upper
106	100		
91	254.1	227.6	267.6
77	41.1	13.7	53.7

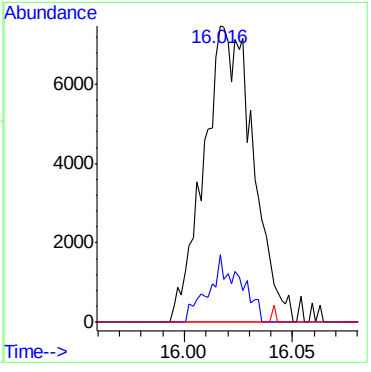


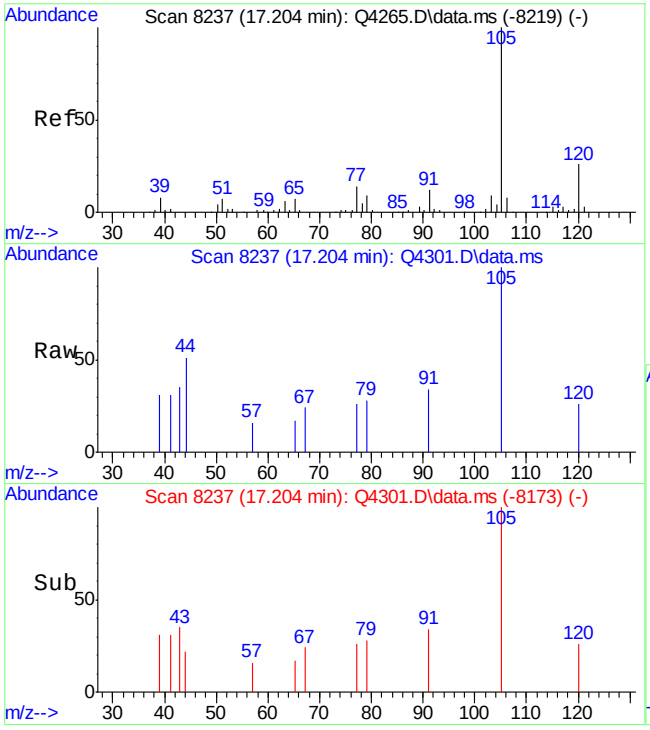


#59
NONANE
Concen: 0.59 PPBV
RT: 16.016 min Scan# 7568
Delta R.T. -0.005 min
Lab File: Q4301.D
Acq: 15 Aug 2007 3:09 pm

Tgt Ion: 43 Resp: 11774

Ion	Ratio	Lower	Upper
43	100		
71	14.6	1.2	41.2
128	0.0	0.0	23.8

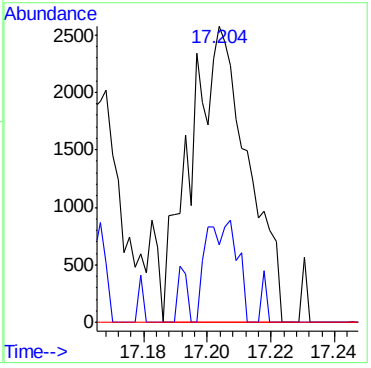


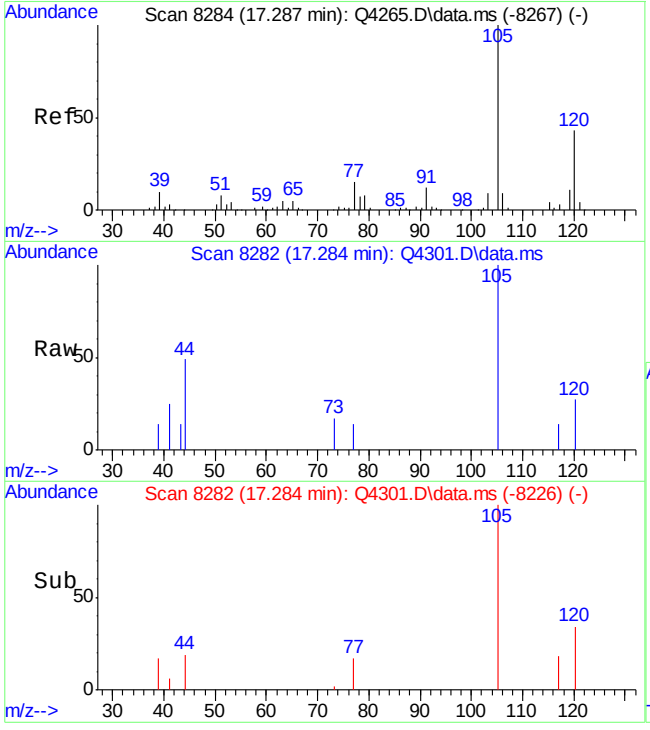


#65
4-ETHYLTOLUENE
Concen: 0.64 PPBV m
RT: 17.204 min Scan# 8237
Delta R.T. 0.001 min
Lab File: Q4301.D
Acq: 15 Aug 2007 3:09 pm

Tgt Ion:105 Resp: 3230

Ion	Ratio	Lower	Upper
105	100		
120	47.1	6.7	46.7#
119	1.5	0.0	22.3

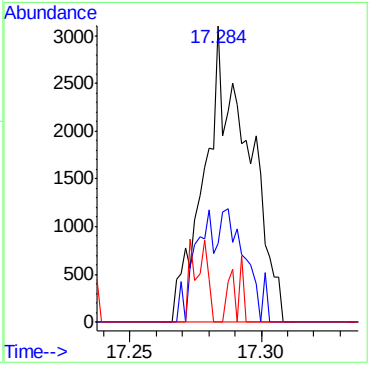


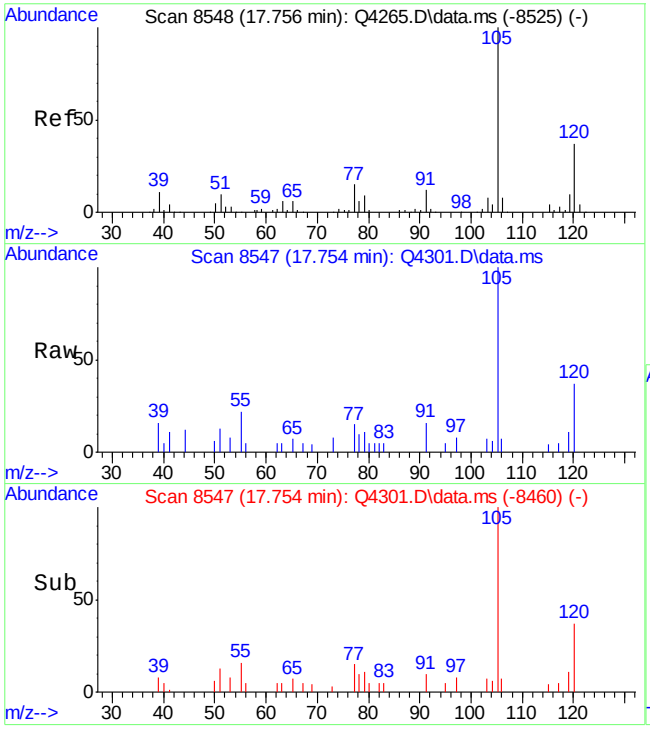


#66
1,3,5-TRIMETHYLBENZENE
Concen: 0.59 PPBV
RT: 17.284 min Scan# 8282
Delta R.T. -0.003 min
Lab File: Q4301.D
Acq: 15 Aug 2007 3:09 pm

Tgt Ion:105 Resp: 3554

Ion	Ratio	Lower	Upper
105	100		
120	39.9	23.7	63.7
91	14.3	0.0	32.7

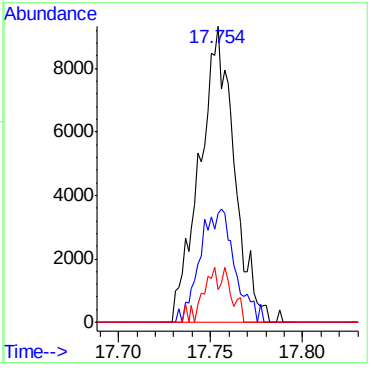




#67
1,2,4-TRIMETHYLBENZENE
Concen: 0.80 PPBV
RT: 17.754 min Scan# 8547
Delta R.T. -0.001 min
Lab File: Q4301.D
Acq: 15 Aug 2007 3:09 pm

Tgt Ion:105 Resp: 12211

Ion	Ratio	Lower	Upper
105	100		
120	38.1	19.5	59.5
119	13.6	0.0	30.2



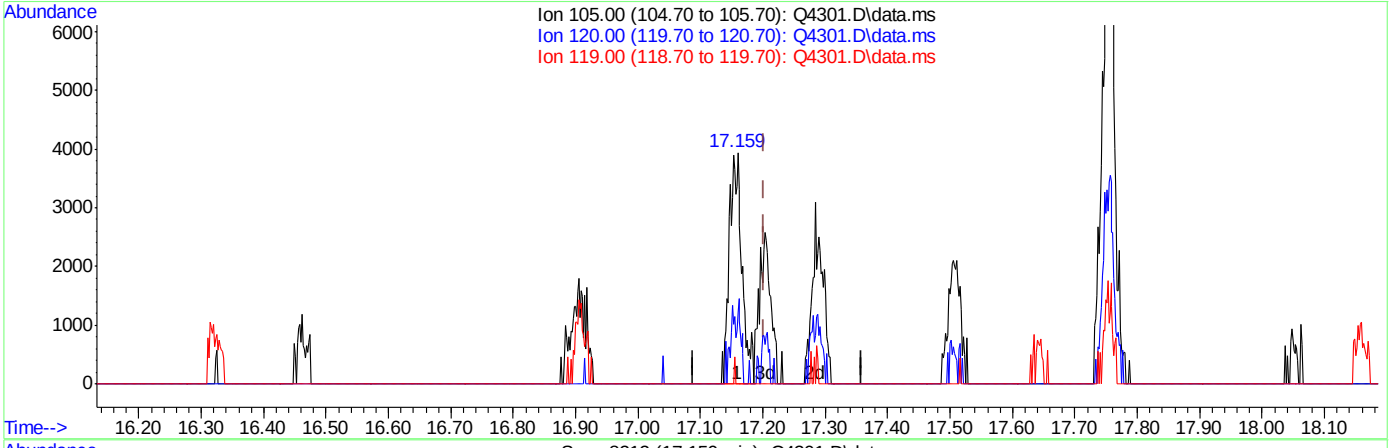
6.4.1

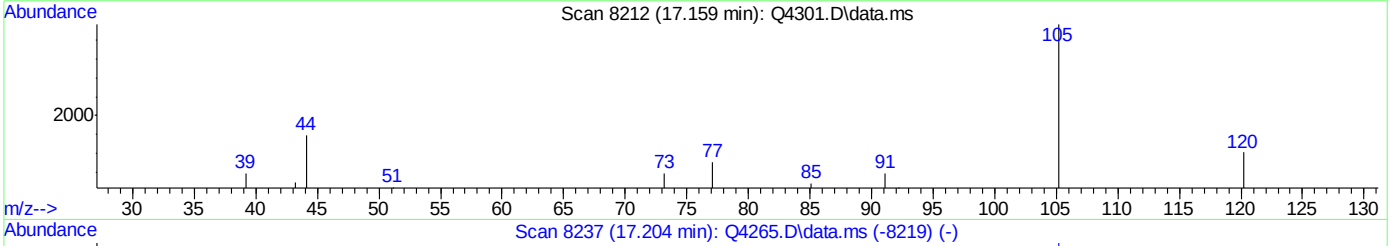
6

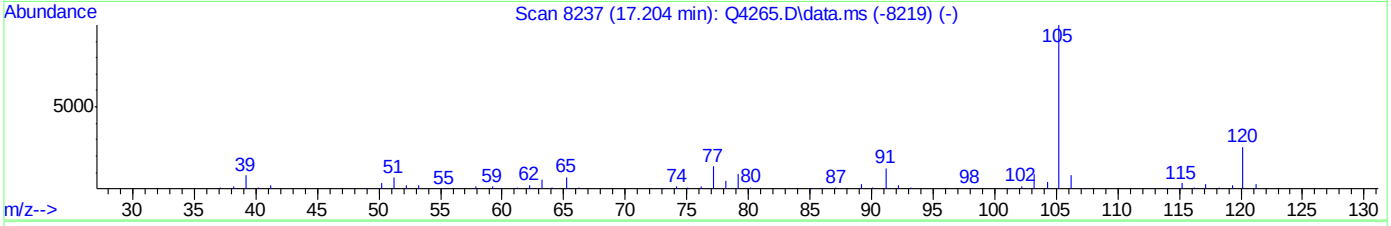
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4301.D
Acq On : 15 Aug 2007 3:09 pm
Operator : danat
Sample : m66975-2dup (M076)
Misc : MS14127, MSQ228,,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 15 15:36:57 2007
Quant Method : C:\msdchem\1\METHODS\Q081307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 13 15:27:19 2007
Response via : Initial Calibration







TIC: Q4301.D\data.ms

(65) 4-ETHYLTOLUENE (m)

17.159min (-0.044) 0.66PPBV

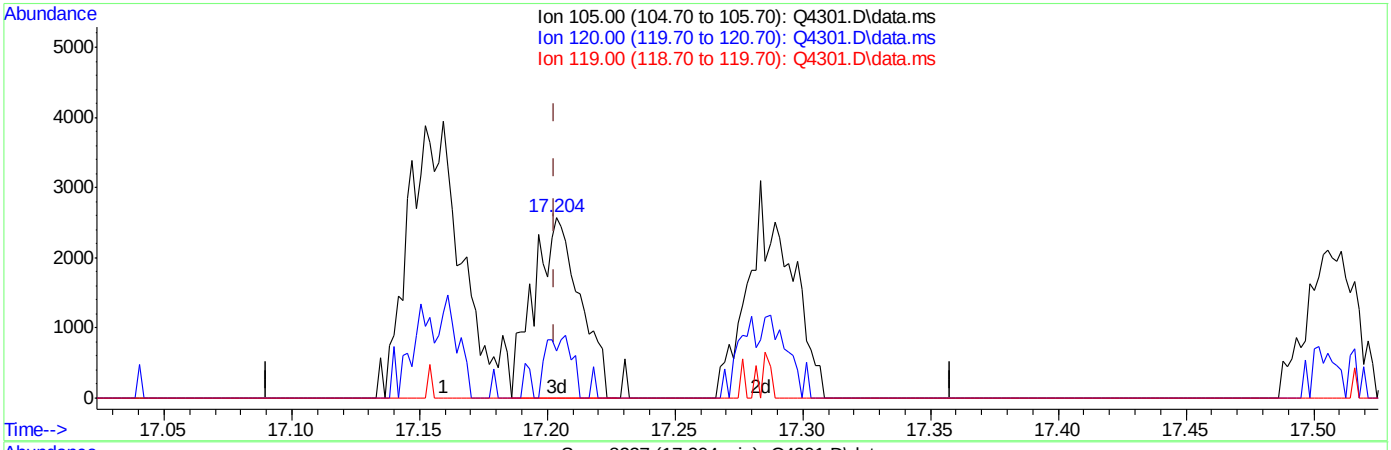
response 5765

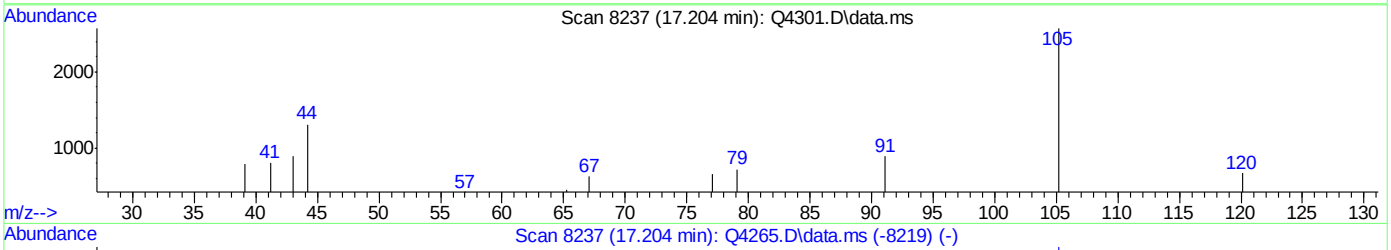
Ion	Exp%	Act%
105.00	100	100
120.00	26.70	26.40
119.00	2.30	0.87
0.00	0.00	0.00

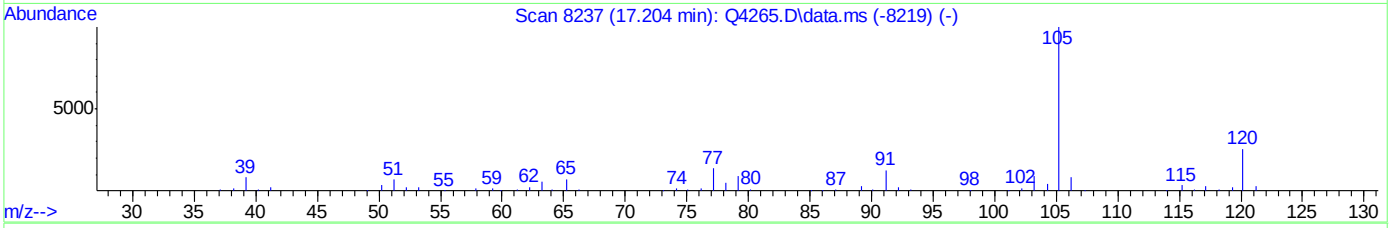
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4301.D
Acq On : 15 Aug 2007 3:09 pm
Operator : danat
Sample : m66975-2dup (M076)
Misc : MS14127, MSQ228,,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 15 15:36:57 2007
Quant Method : C:\msdchem\1\METHODS\Q081307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 13 15:27:19 2007
Response via : Initial Calibration







TIC: Q4301.D\data.ms

(65) 4-ETHYLTOLUENE (m)

17.204min (+0.001) 0.64PPBV m

response 3230

Ion	Exp%	Act%
105.00	100	100
120.00	26.70	47.12#
119.00	2.30	1.55
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10854.D
Acq On : 3 Jul 2007 10:08 pm
Operator : danat
Sample : scc (M155)
Misc : MS13857, MSJ561,,,,,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jul 05 17:43:34 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	323229	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.44	114	1193087	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.67	117	1020849	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.28	95	265148	4.11	PPBV	-0.01

Spiked Amount 5.000 Range 51 - 142 Recovery = 82.20%

Target Compounds	Qvalue

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

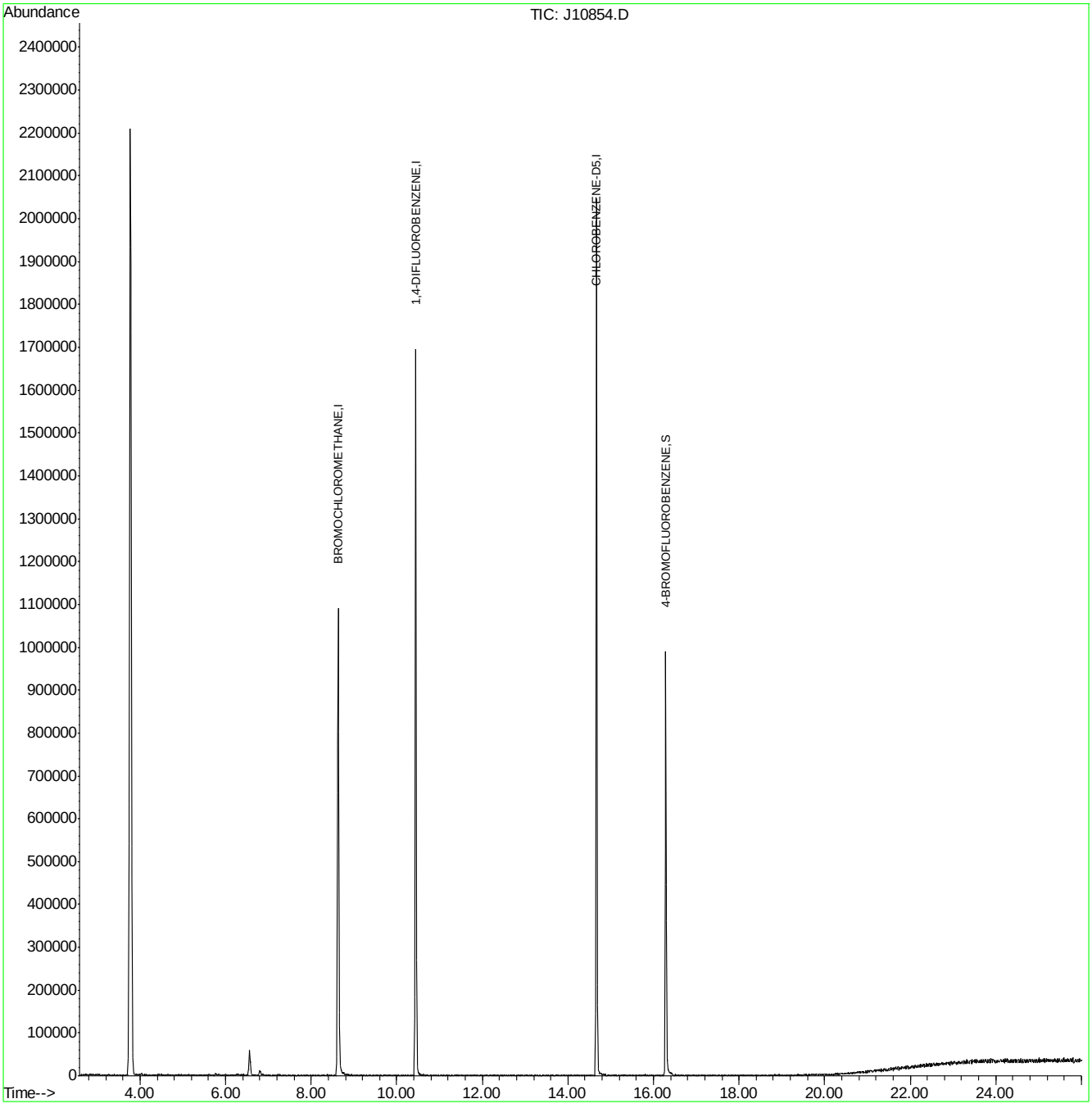
6.5.1

6

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10854.D
Acq On : 3 Jul 2007 10:08 pm
Operator : danat
Sample : scc (M155)
Misc : MS13857, MSJ561,,,,,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jul 05 17:43:34 2007
Quant Method : C:\MSDCHEM\1\METHODS\J062507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Jun 25 18:15:12 2007
Response via : Initial Calibration



J062507T.M Thu Jul 05 17:43:43 2007

ACCUTEST Laboratories
M66976

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10882.D
Acq On : 6 Jul 2007 6:28 am
Operator : danat
Sample : scc (M147)
Misc : MS13866, MSJ562,,,,,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jul 06 13:27:48 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	8.62	128	326078	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.43	114	1269000	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.67	117	1117672	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.28	95	307115	4.47	PPBV	-0.01

Spiked Amount 5.000 Range 51 - 142 Recovery = 89.40%

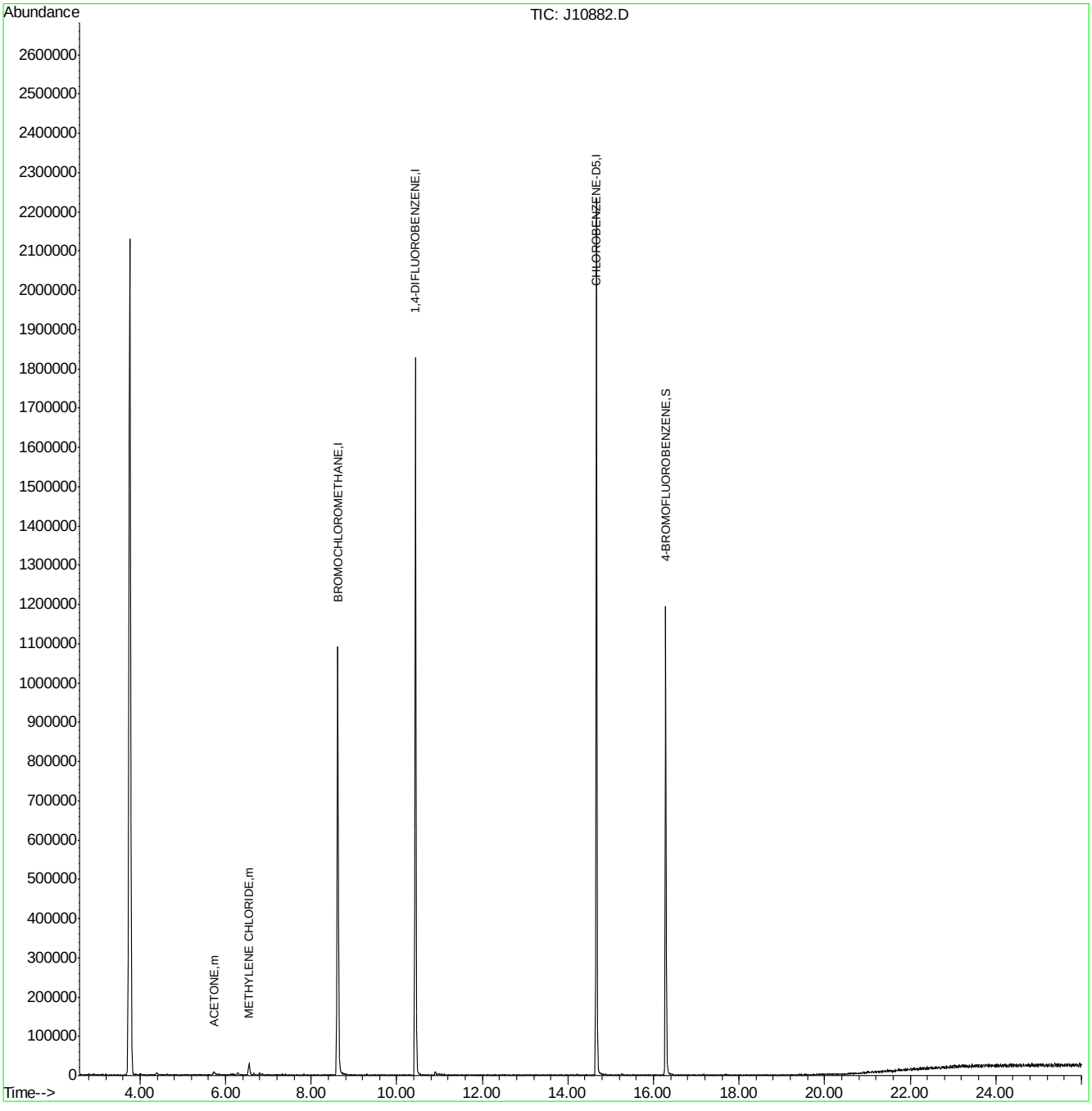
Target Compounds						Qvalue
12) ACETONE	5.73	43	12093	0.32	PPBV	68
18) METHYLENE CHLORIDE	6.55	84	15157	0.39	PPBV	96

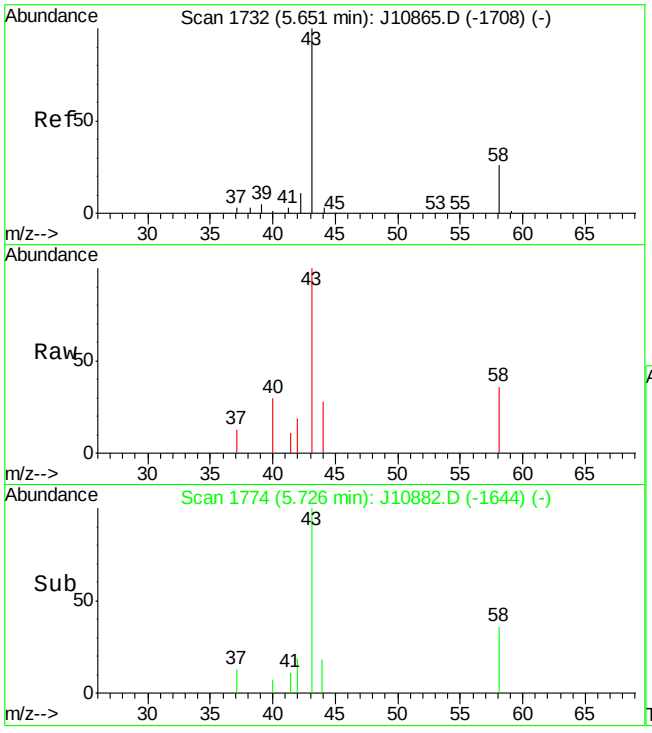
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10882.D
Acq On : 6 Jul 2007 6:28 am
Operator : danat
Sample : scc (M147)
Misc : MS13866, MSJ562,,,,,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jul 06 13:27:48 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

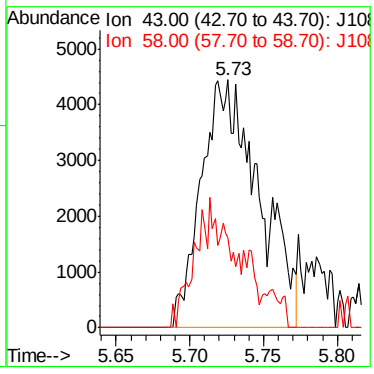


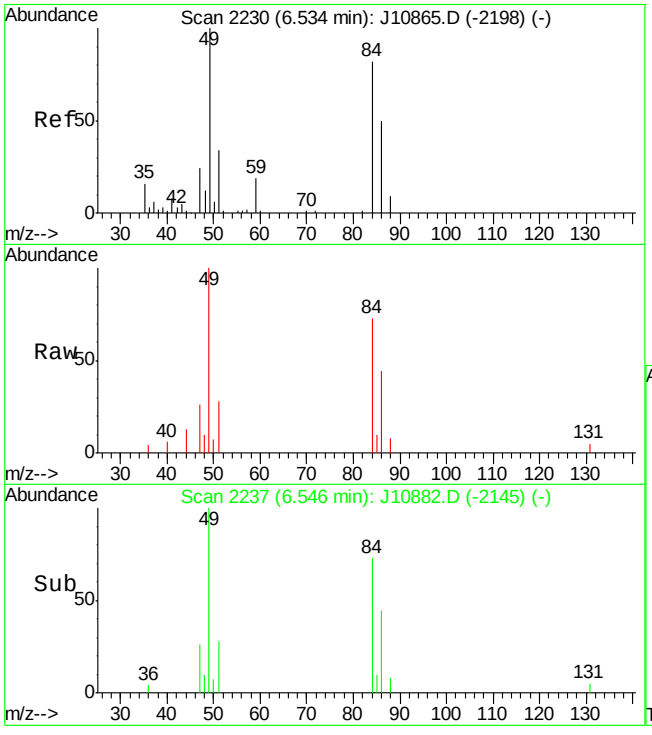


#12
ACETONE
Concen: 0.32 PPBV
RT: 5.73 min Scan# 1774
Delta R.T. 0.07 min
Lab File: J10882.D
Acq: 6 Jul 2007 6:28 am

Tgt Ion: 43 Resp: 12093

Ion	Ratio	Lower	Upper
43	100		
58	42.1	5.6	45.6

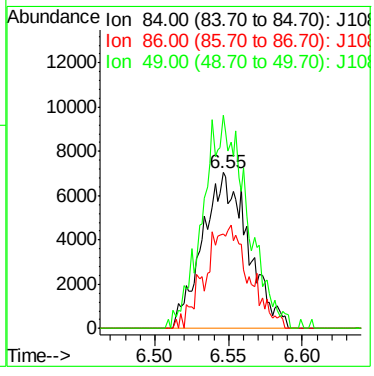




#18
METHYLENE CHLORIDE
Concen: 0.39 PPBV
RT: 6.55 min Scan# 2237
Delta R.T. 0.01 min
Lab File: J10882.D
Acq: 6 Jul 2007 6:28 am

Tgt Ion: 84 Resp: 15157

Ion	Ratio	Lower	Upper
84	100		
86	63.1	44.2	84.2
49	133.4	0.0	327.7

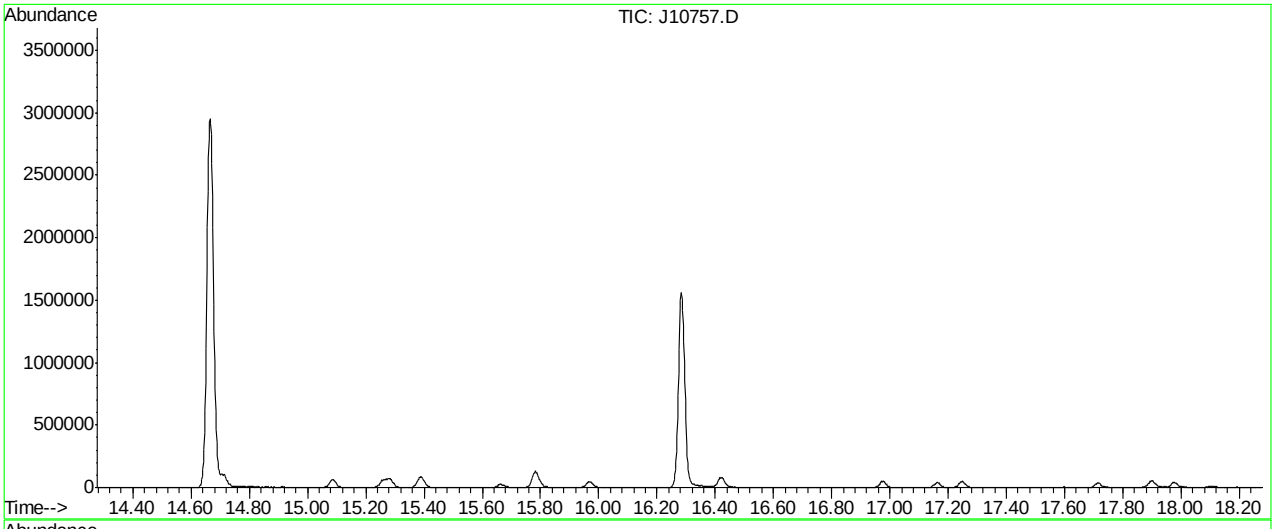


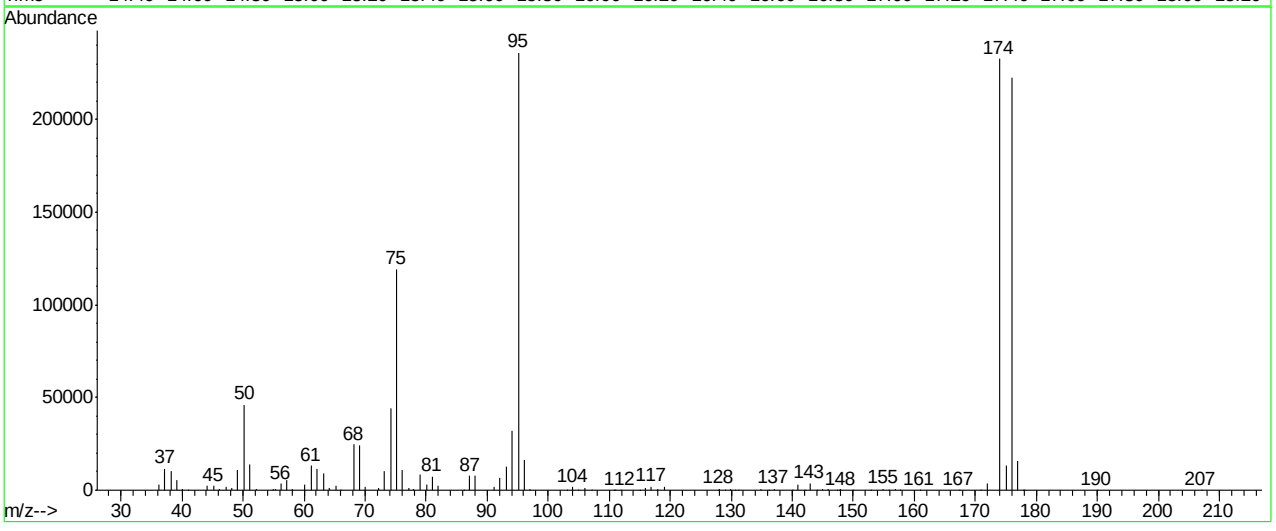
BFB

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

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

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





Spectrum Information: Average of 16.276 to 16.279 min.

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

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

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

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

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

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

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

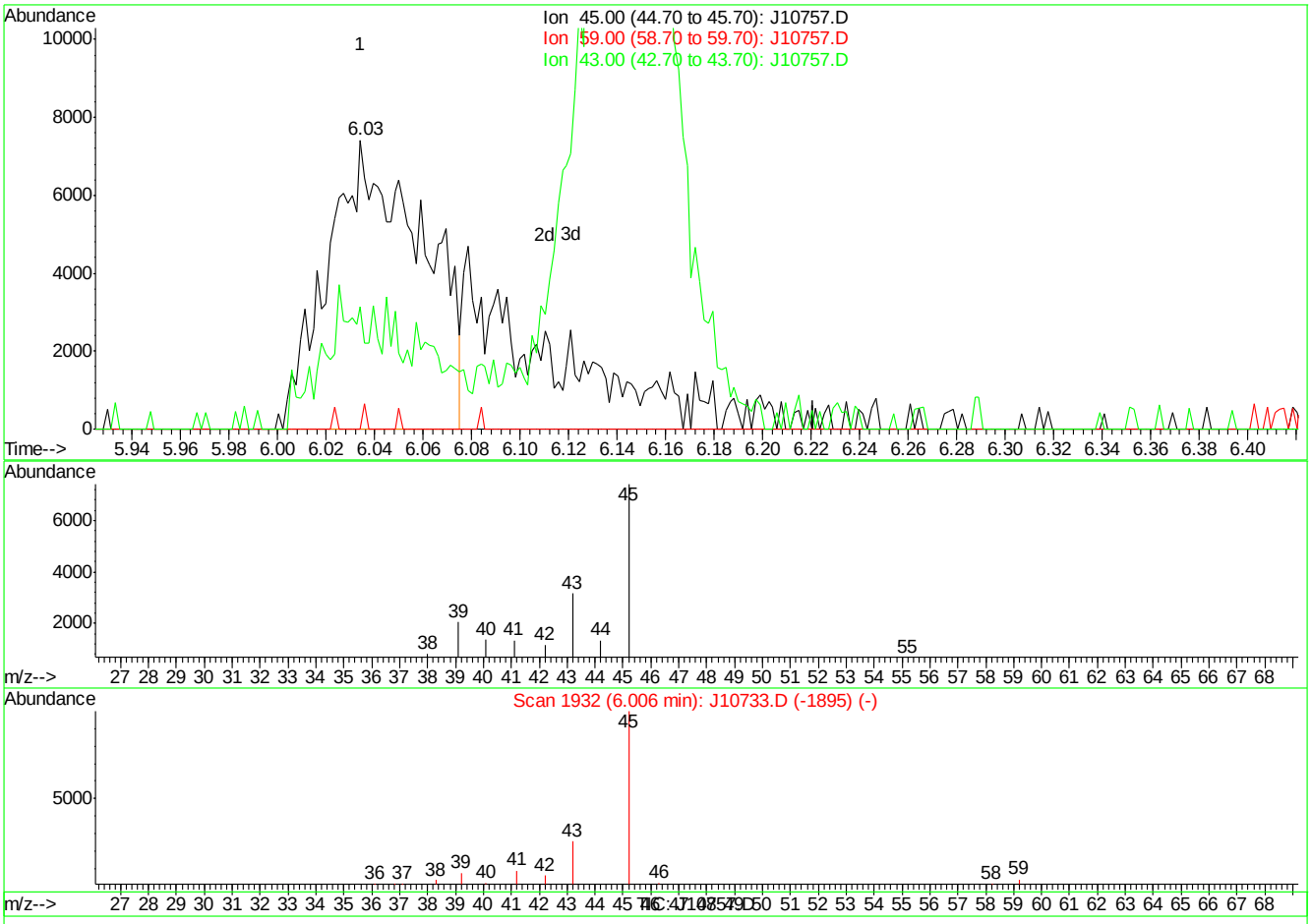
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
157.70	216	189.90	149				
160.90	252	207.00	144				
167.30	185						
170.90	169						
172.00	3719						
174.00	232533						
175.10	13538						
176.00	222378						
177.00	15745						
177.80	173						
178.10	138						

Quantitation Report (Qedit)

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

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

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



(11) ISOPROPYL ALCOHOL (m)

6.03min 0.43PPBV

response 20053

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

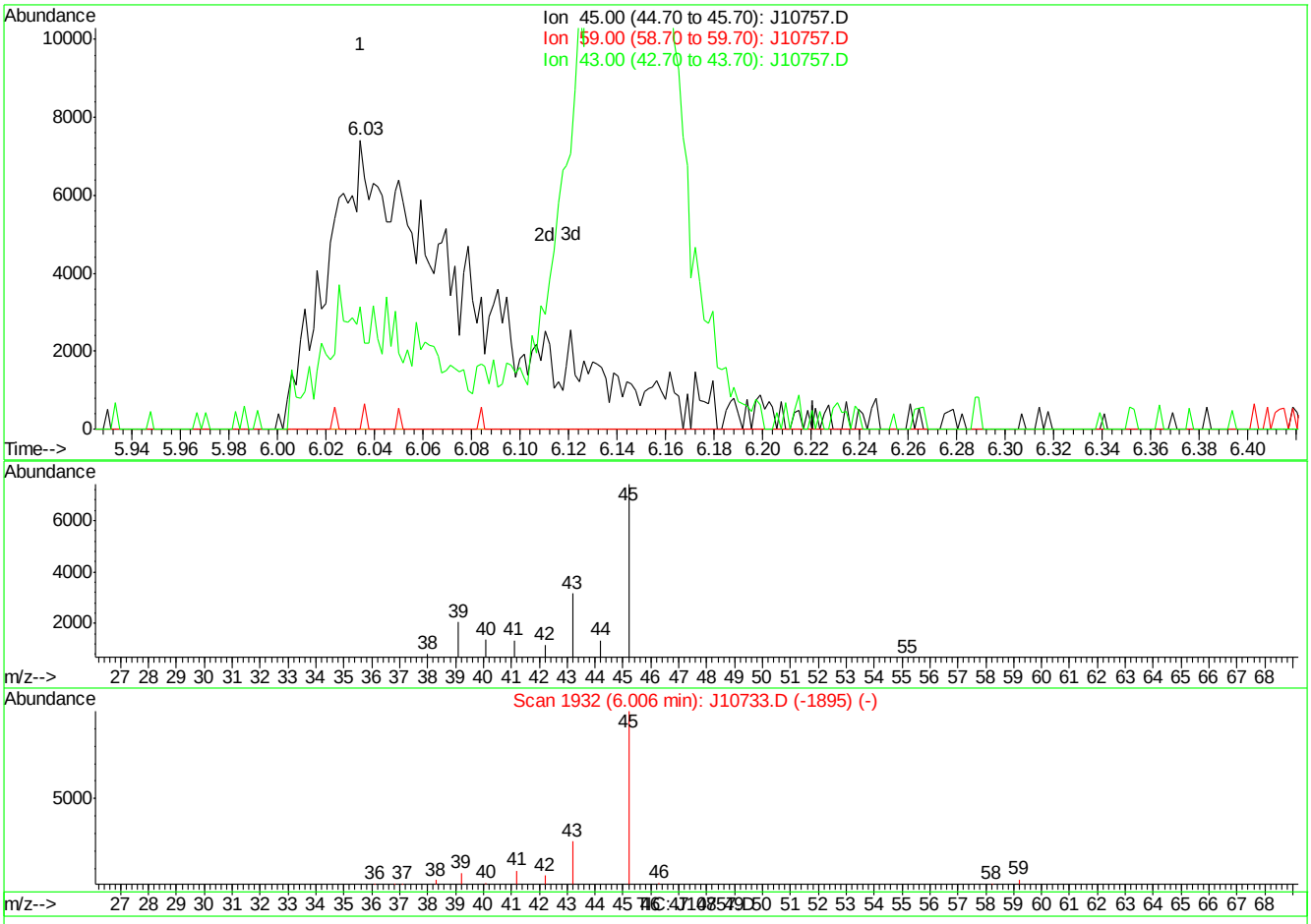
J10757.D J062507T.M Mon Jun 25 10:48:40 2007

Quantitation Report (Qedit)

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

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

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



(11) ISOPROPYL ALCOHOL (m)

6.03min 0.63PPBV m

response 29822

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

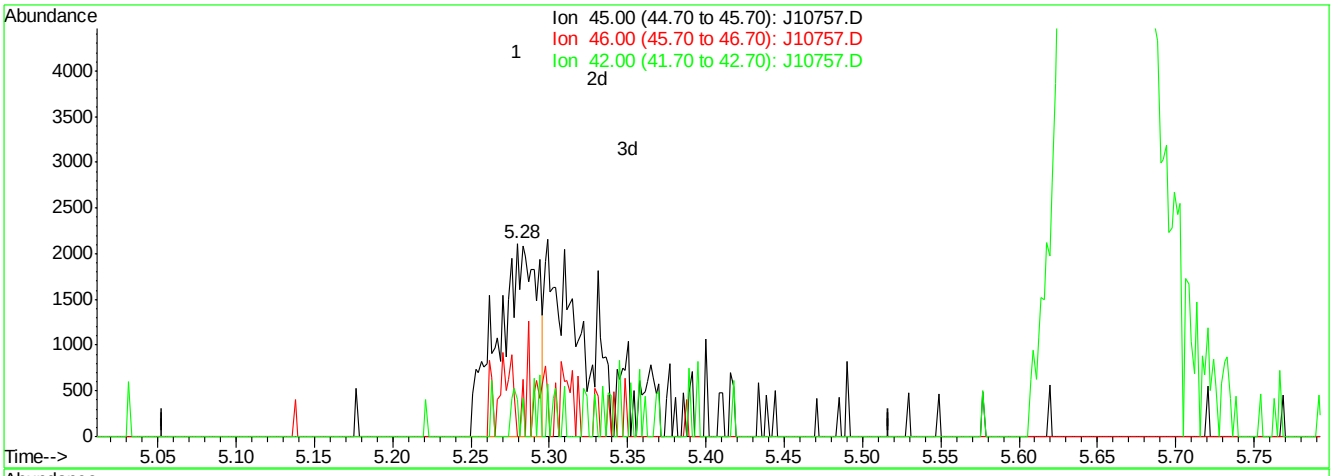
J10757.D J062507T.M Mon Jun 25 10:48:45 2007

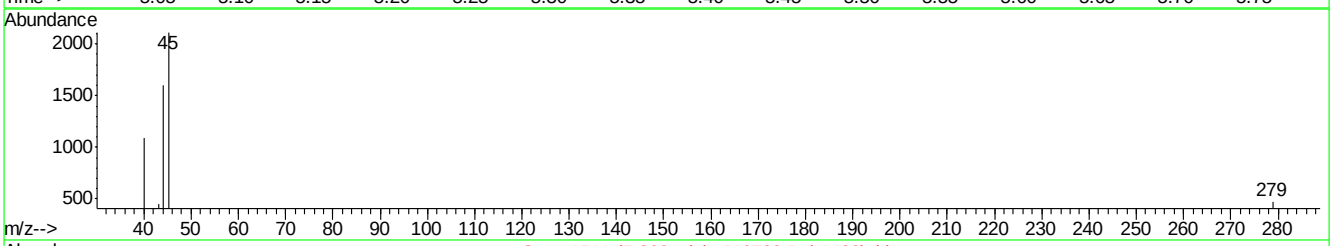
Quantitation Report (Qedit)

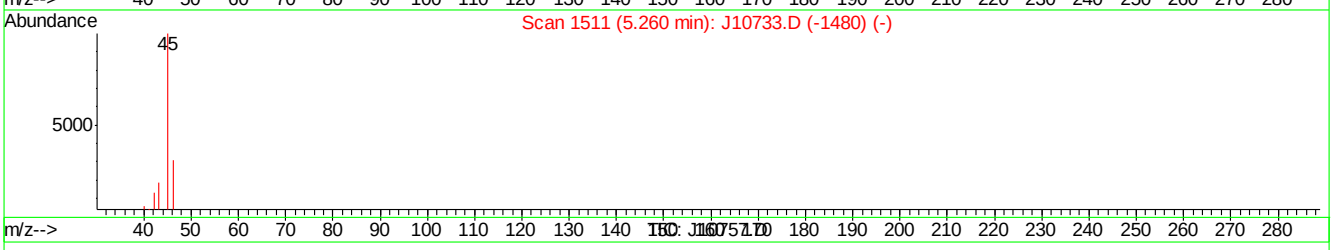
Data File : C:\MSDChem\1\data\J10757.D Vial: 2
Acq On : 25 Jun 2007 10:16 am Operator: danat
Sample : ic557-0.5 (m141) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

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







(16) ETHANOL (m)

5.28min 0.45PPBV

response 3685

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

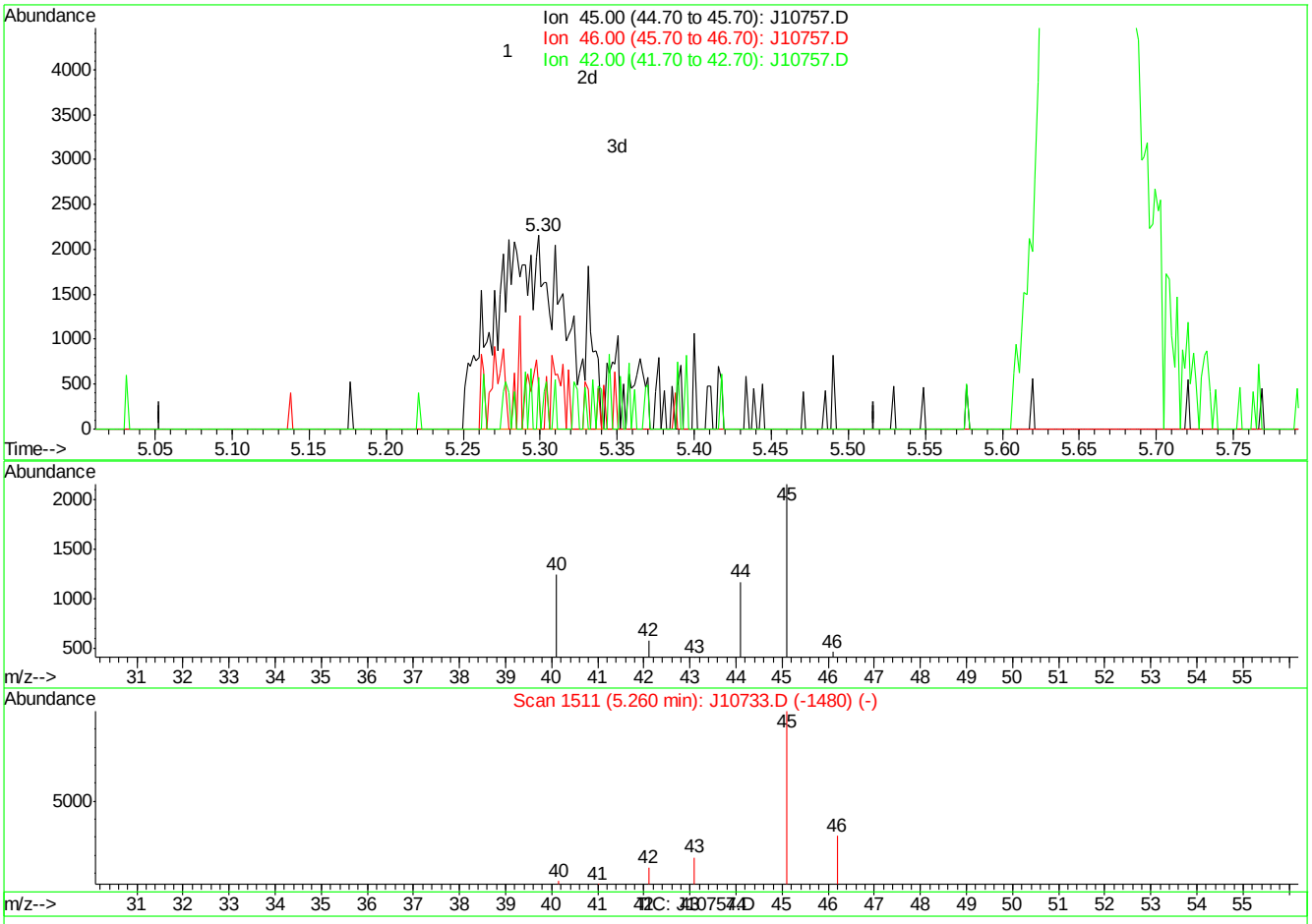
J10757.D J062507T.M Mon Jun 25 10:49:22 2007

Quantitation Report (Qedit)

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

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

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



(16) ETHANOL (m)

5.30min 0.89PPBV m

response 7283

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

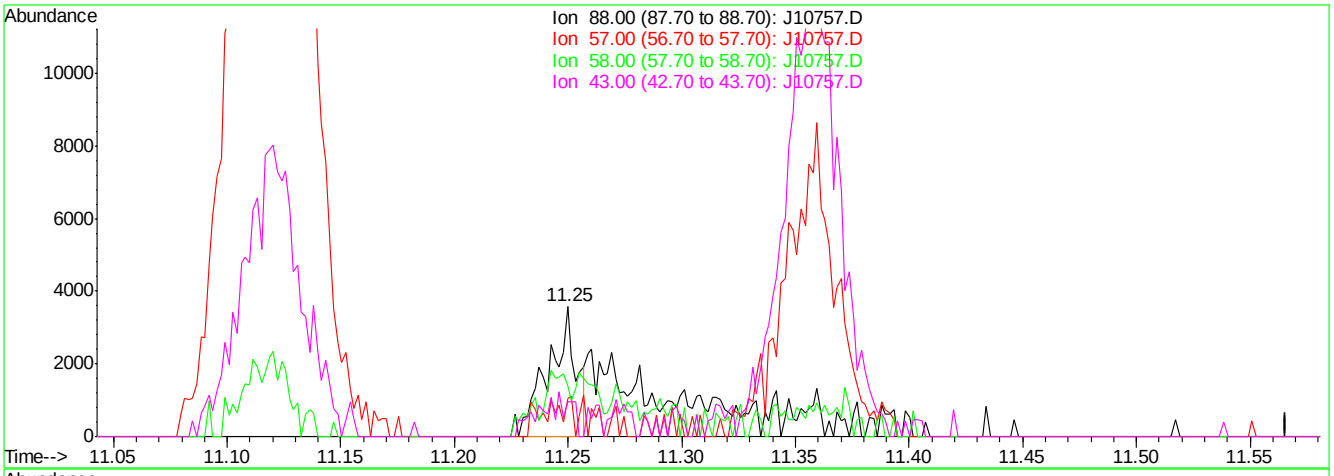
J10757.D J062507T.M Mon Jun 25 10:49:33 2007

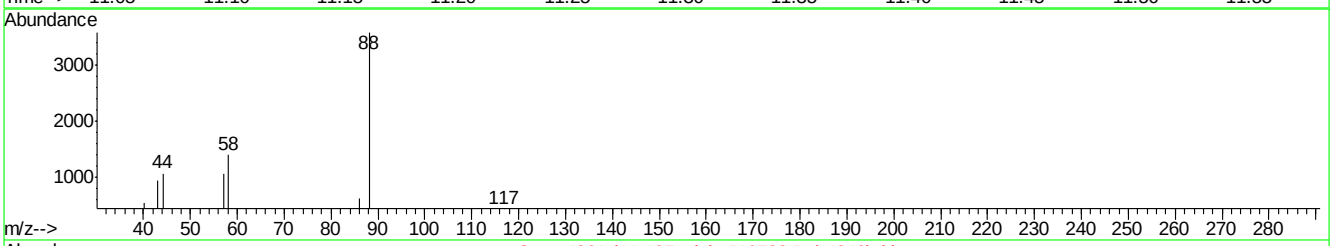
Quantitation Report (Qedit)

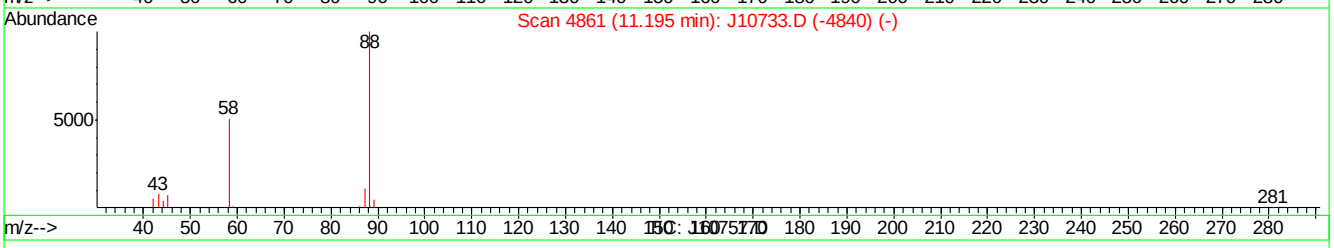
Data File : C:\MSDChem\1\data\J10757.D Vial: 2
Acq On : 25 Jun 2007 10:16 am Operator: danat
Sample : ic557-0.5 (m141) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

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







(42) 1,4-DIOXANE (m)

11.25min 0.14PPBV

response 3047

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

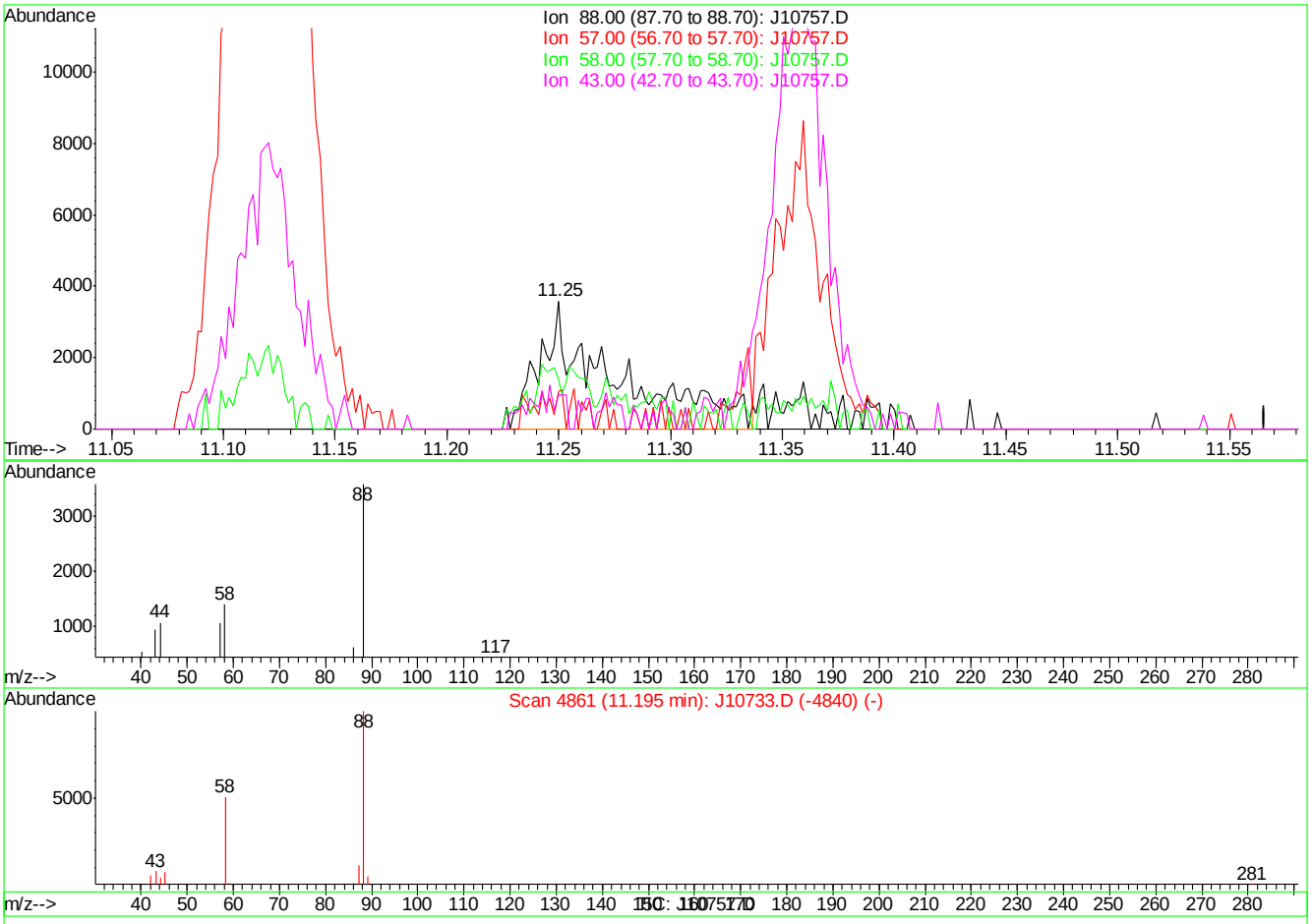
J10757.D J062507T.M Mon Jun 25 10:49:57 2007

Quantitation Report (Qedit)

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

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

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



(42) 1,4-DIOXANE (m)

11.25min 0.38PPBV m

response 8305

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

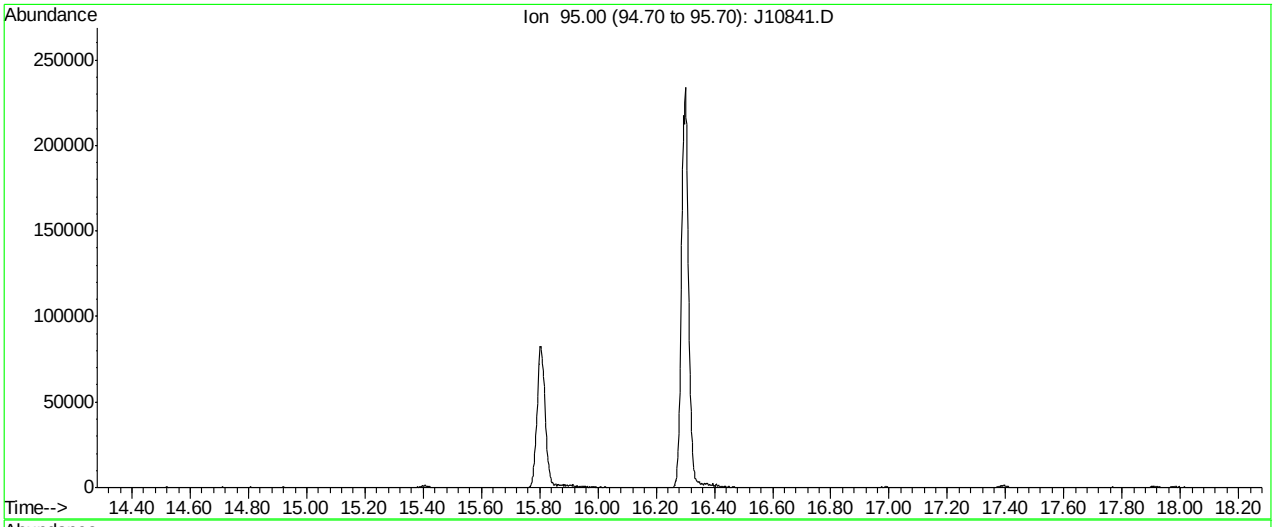
J10757.D J062507T.M Mon Jun 25 10:50:10 2007

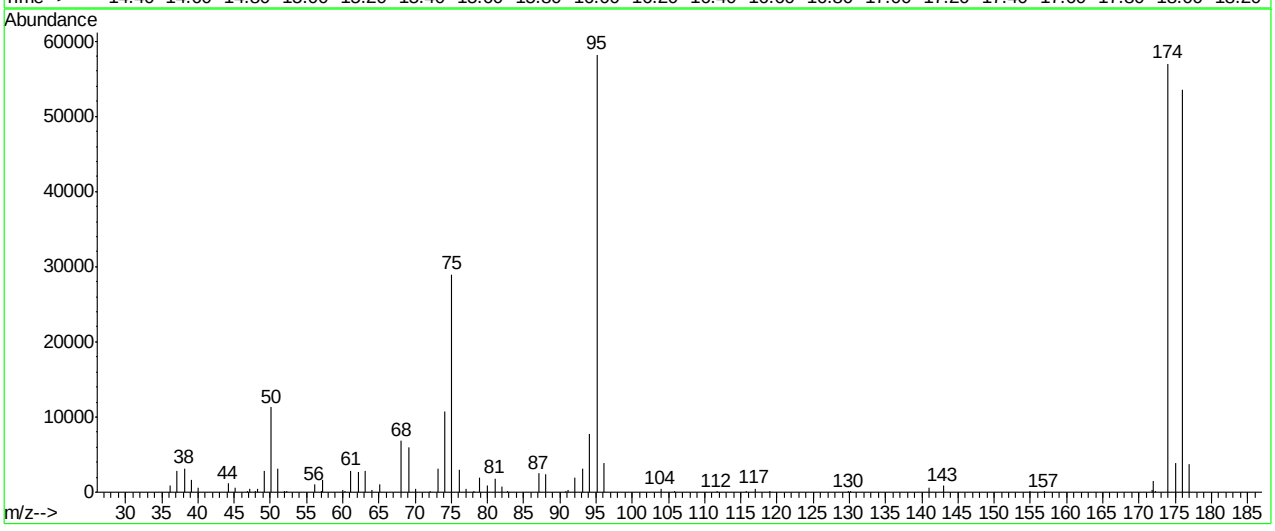
BFB

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

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

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





Spectrum Information: Average of 16.277 to 16.284 min.

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

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

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

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

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

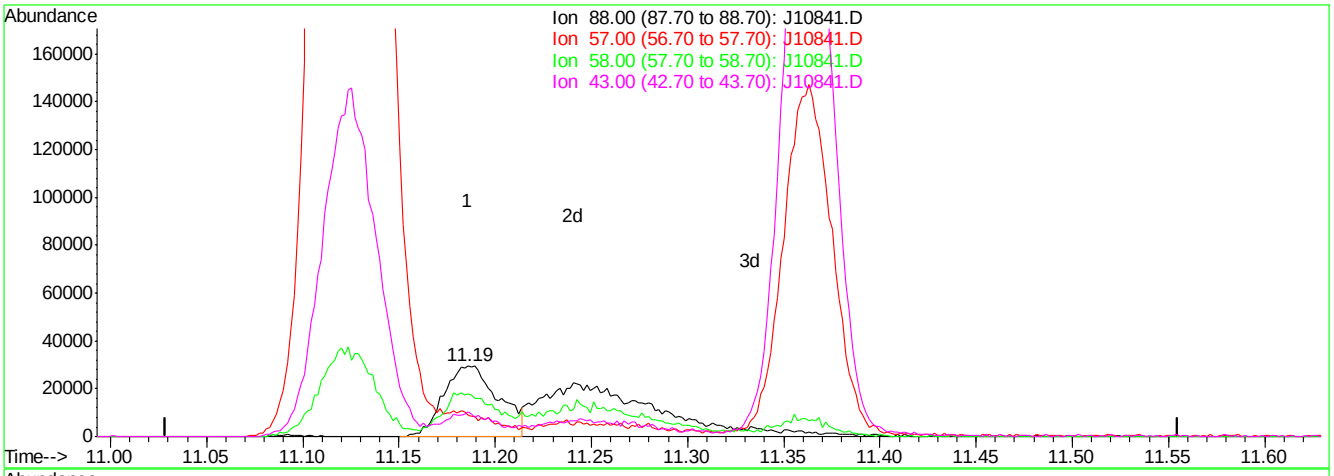
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
91.15	285	119.00	197	175.05	3920		
92.10	1937	129.90	101	176.00	53480		
93.10	3154	130.10	93	177.00	3704		
94.15	7686	140.95	610				
95.10	58224	142.95	887				
96.10	3957	154.90	108				
103.95	403	156.90	113				
105.90	184	171.80	243				
111.70	93	172.00	1560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

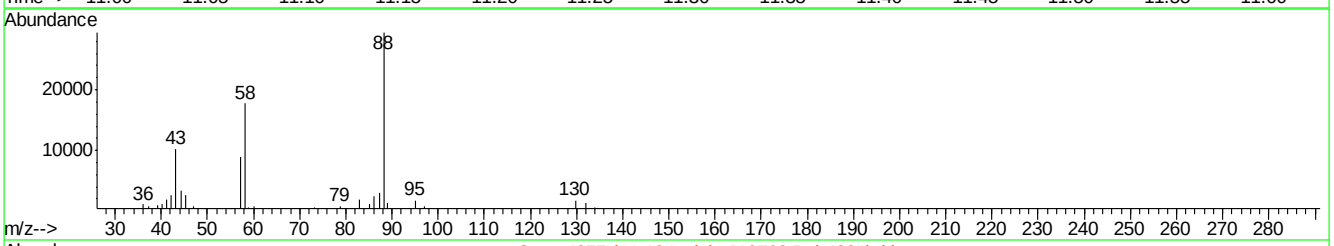
Quantitation Report (Qedit)

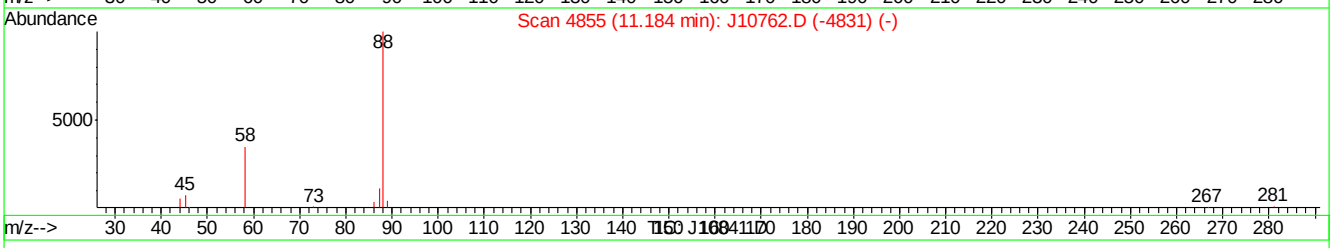
Data File : C:\MSDChem\1\data\J10841.D Vial: 1
Acq On : 3 Jul 2007 11:46 am Operator: danat
Sample : cc557-10 (M080) Inst : MSJ
Misc : MS13762, MSJ561,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

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







(42) 1,4-DIOXANE (m)

11.19min 5.35PPBV

response 58134

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

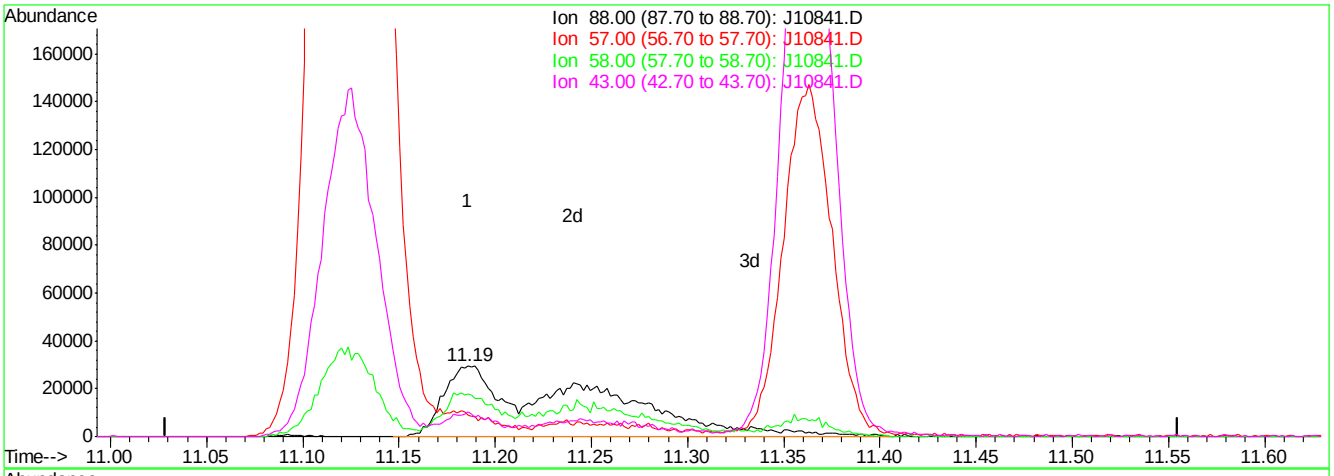
J10841.D J062507T.M Thu Jul 05 17:19:09 2007

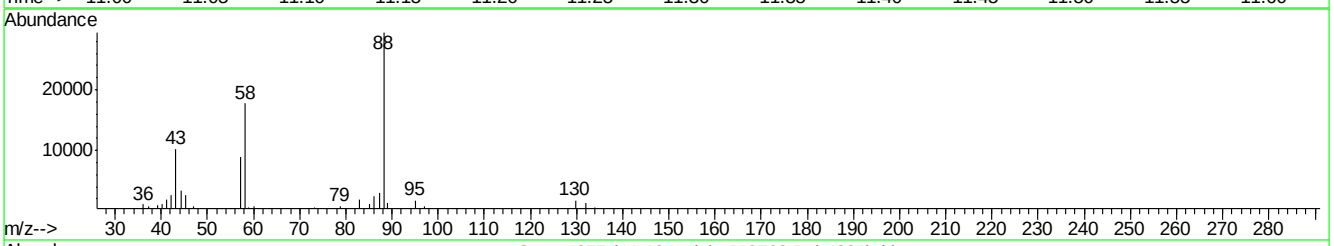
Quantitation Report (Qedit)

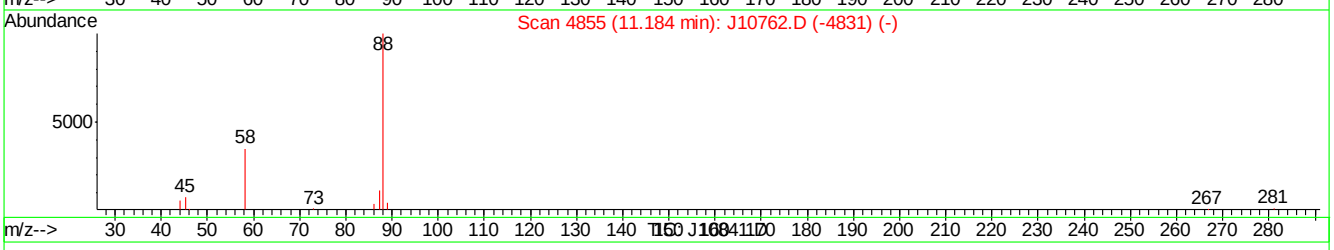
Data File : C:\MSDChem\1\data\J10841.D Vial: 1
Acq On : 3 Jul 2007 11:46 am Operator: danat
Sample : cc557-10 (M080) Inst : MSJ
Misc : MS13762, MSJ561,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

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







(42) 1,4-DIOXANE (m)

11.19min 14.14PPBV m

response 153693

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

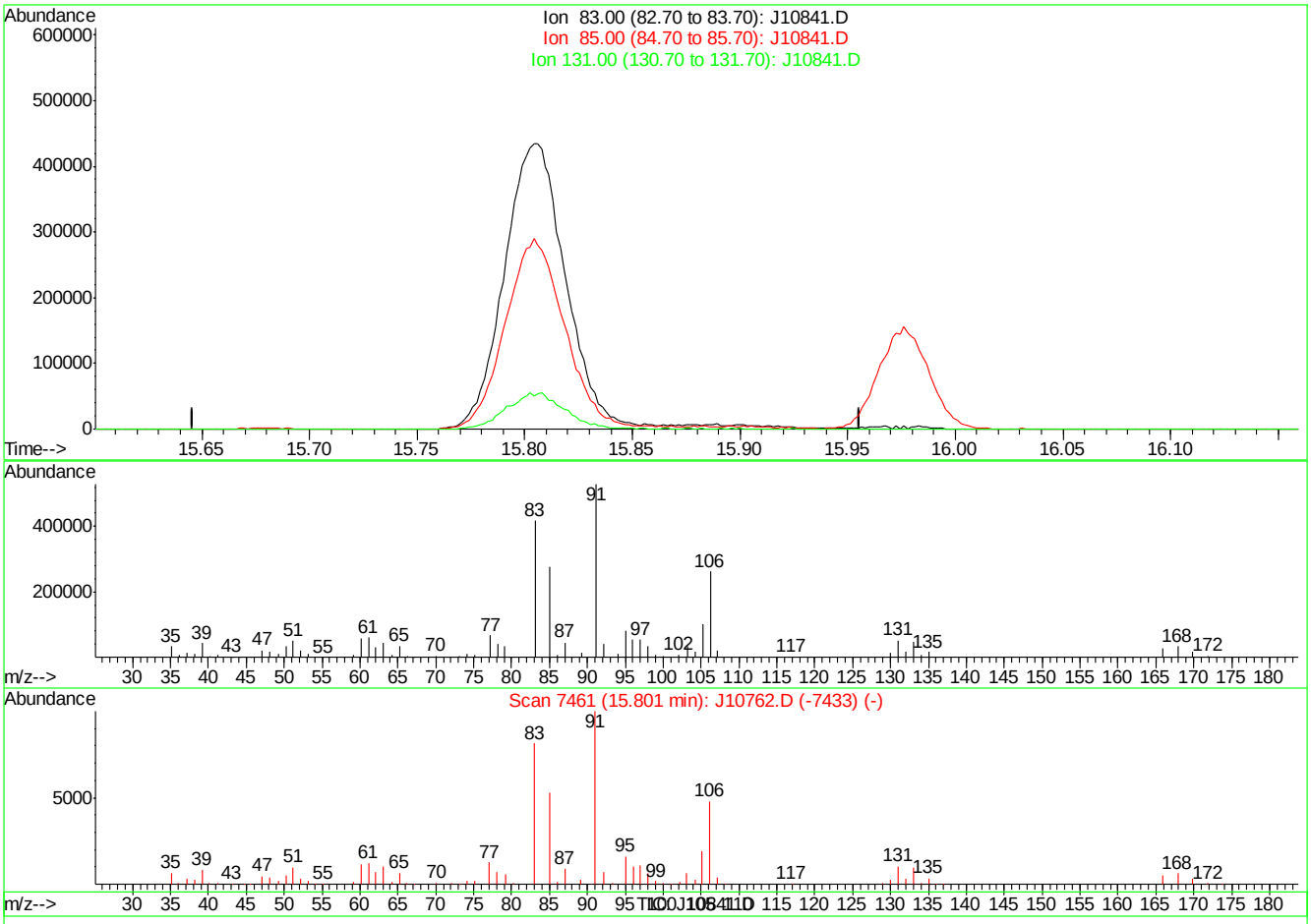
J10841.D J062507T.M Thu Jul 05 17:19:21 2007

Quantitation Report (Qedit)

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

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

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



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

15.80min 0.00PPBV

response 0

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

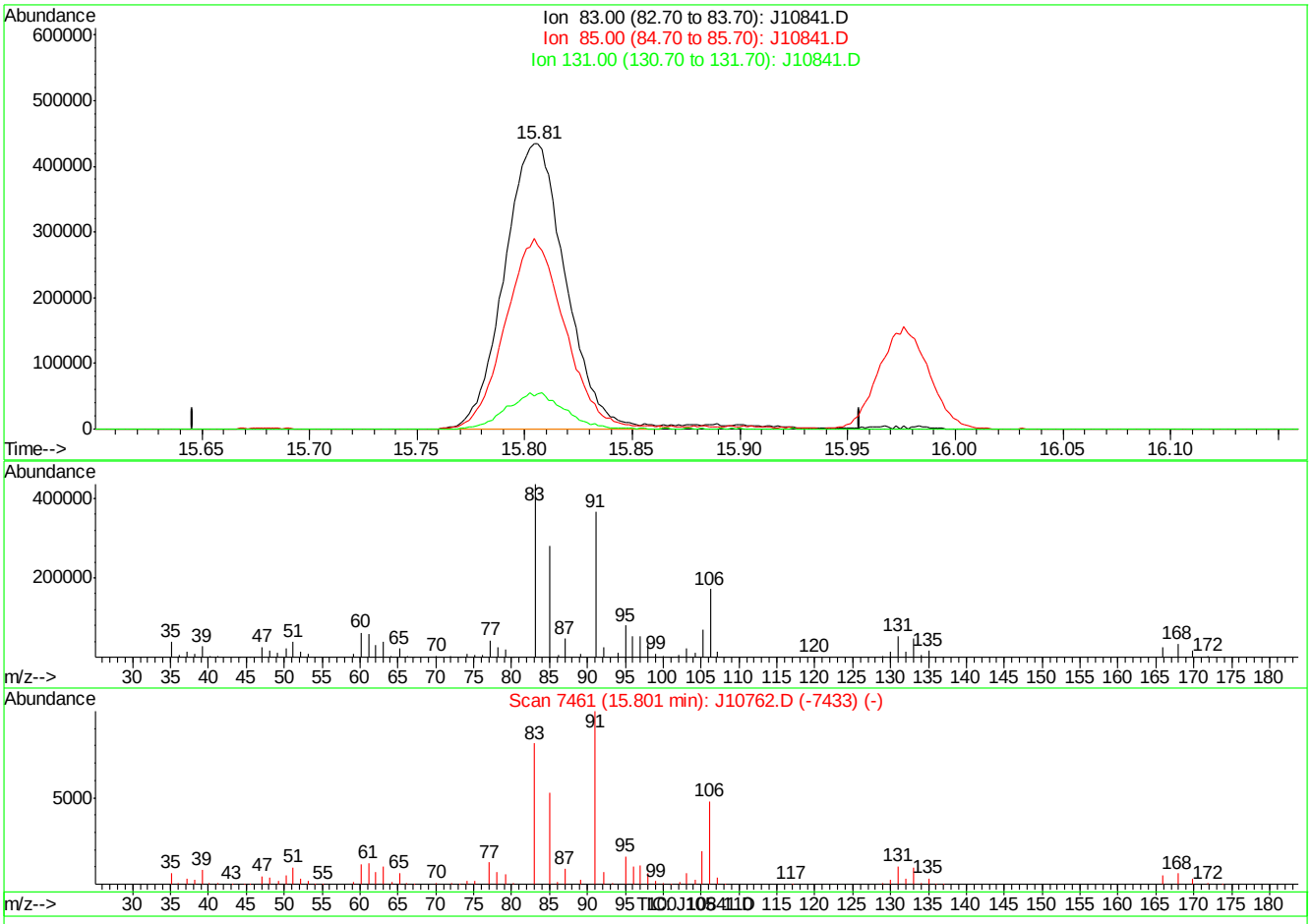
J10841.D J062507T.M Thu Jul 05 17:19:39 2007

Quantitation Report (Qedit)

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

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

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



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

15.81min 17.94PPBV m

response 859117

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

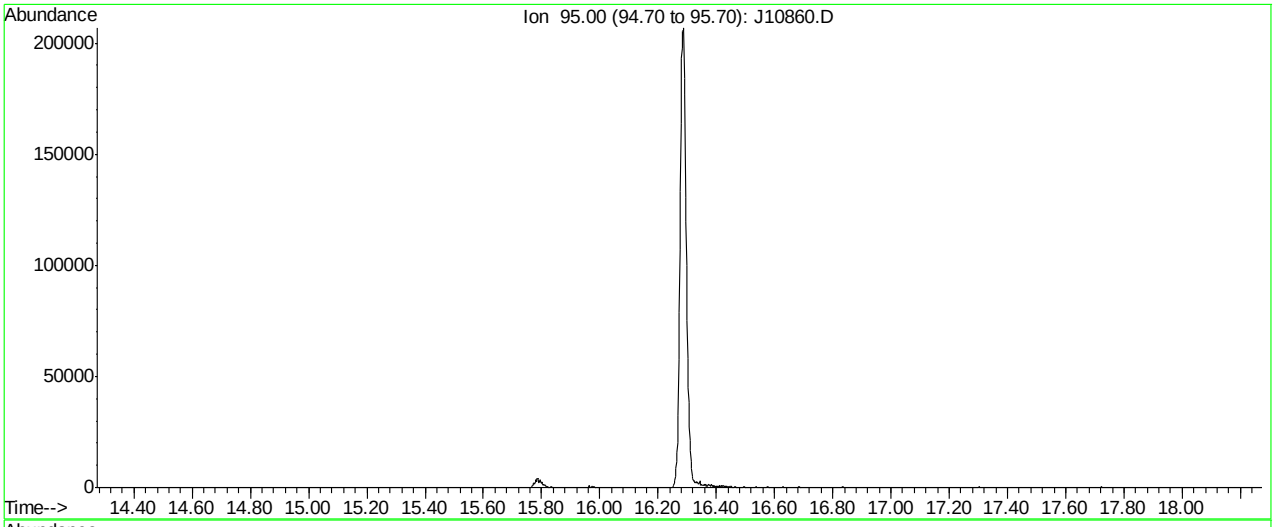
J10841.D J062507T.M Thu Jul 05 17:19:43 2007

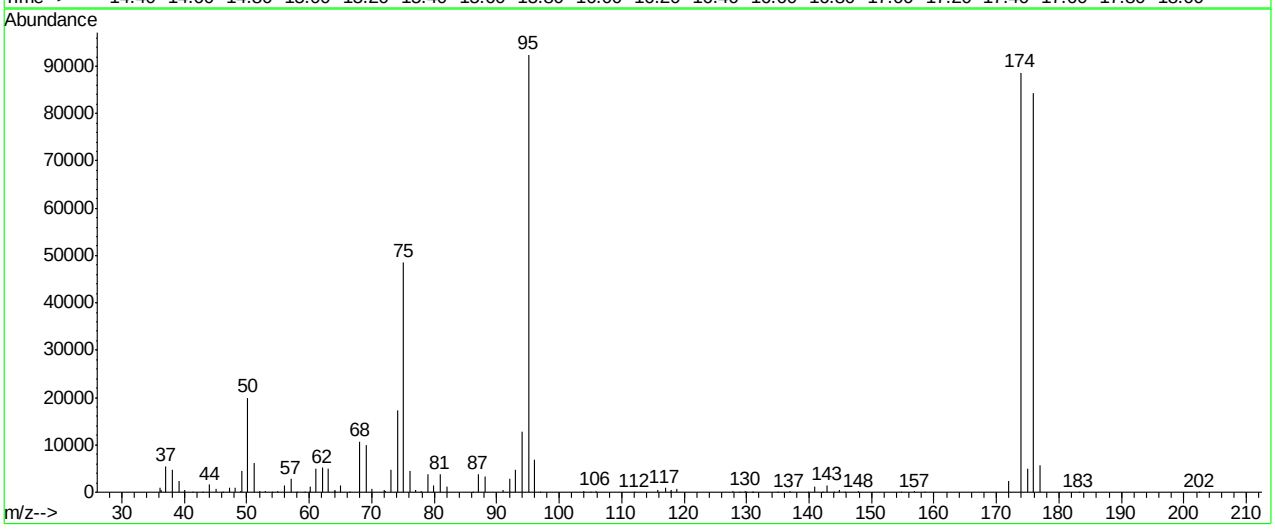
BFB

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

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

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





Spectrum Information: Average of 16.267 to 16.281 min.

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

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

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

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

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

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

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

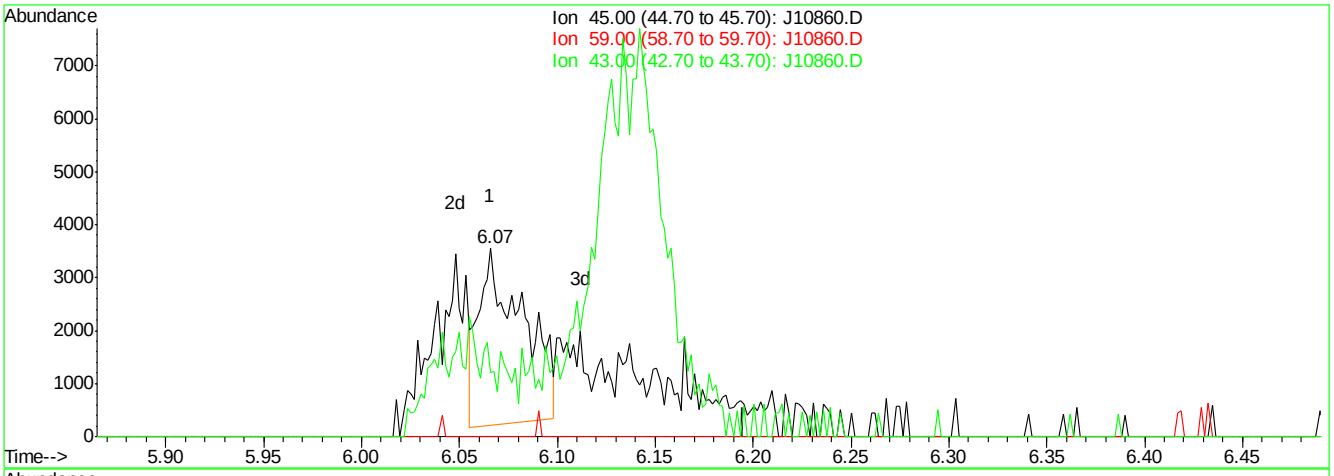
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
171.95	2479						
173.90	88639						
175.00	4877						
175.90	84398						
176.95	5762						
183.20	45						
202.50	46						

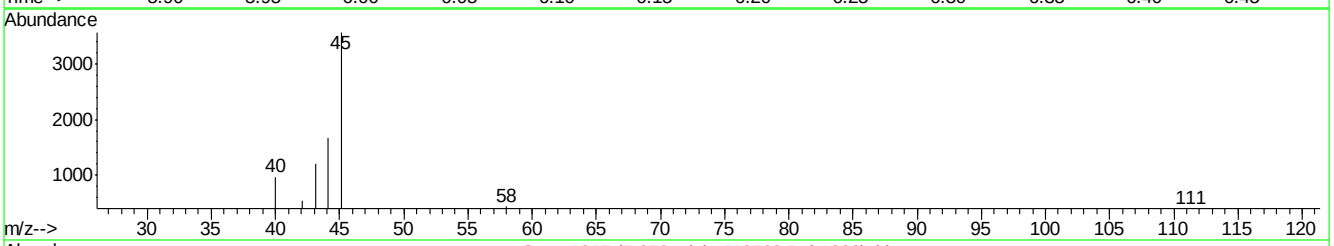
Quantitation Report (Qedit)

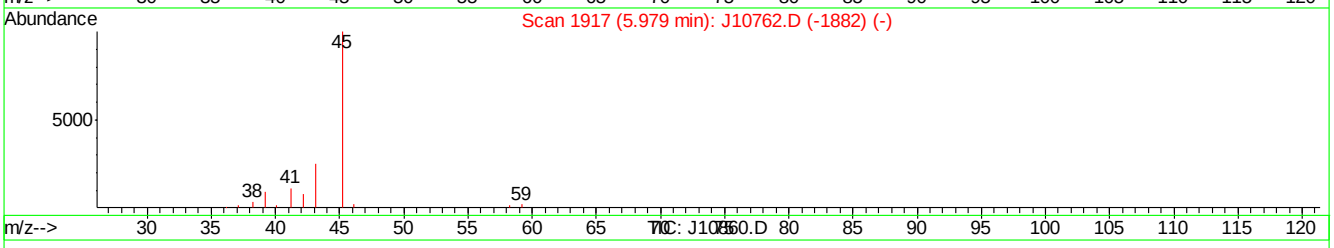
Data File : C:\MSDChem\1\data\J10860.D Vial: 1
Acq On : 5 Jul 2007 10:47 am Operator: danat
Sample : ic562-0.5 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

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







(11) ISOPROPYL ALCOHOL (m)

6.07min 0.15PPBV

response 5209

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

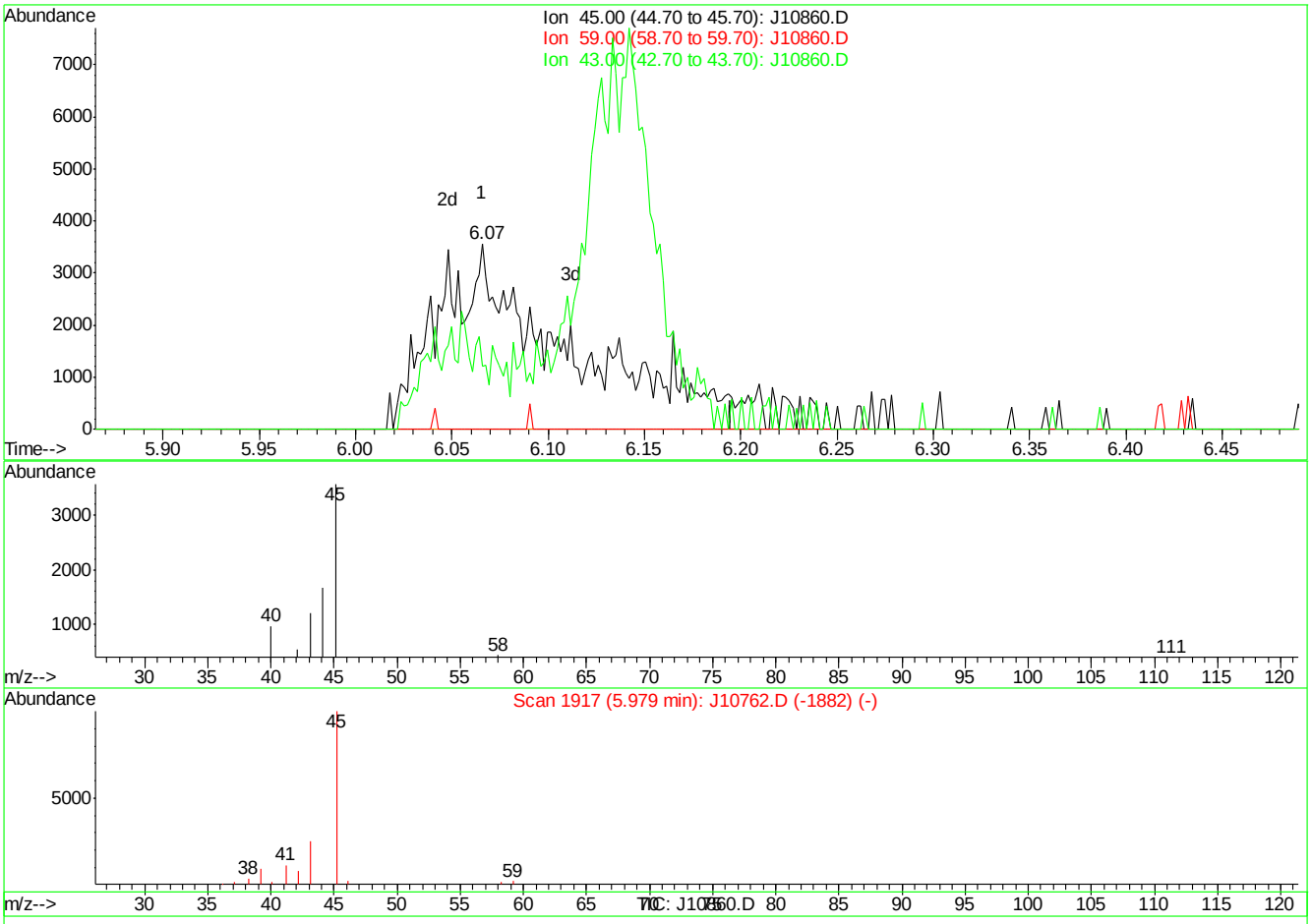
J10860.D J070507T.M Thu Jul 05 11:26:38 2007

Quantitation Report (Qedit)

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

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

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



(11) ISOPROPYL ALCOHOL (m)

6.07min 0.47PPBV m

response 16583

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

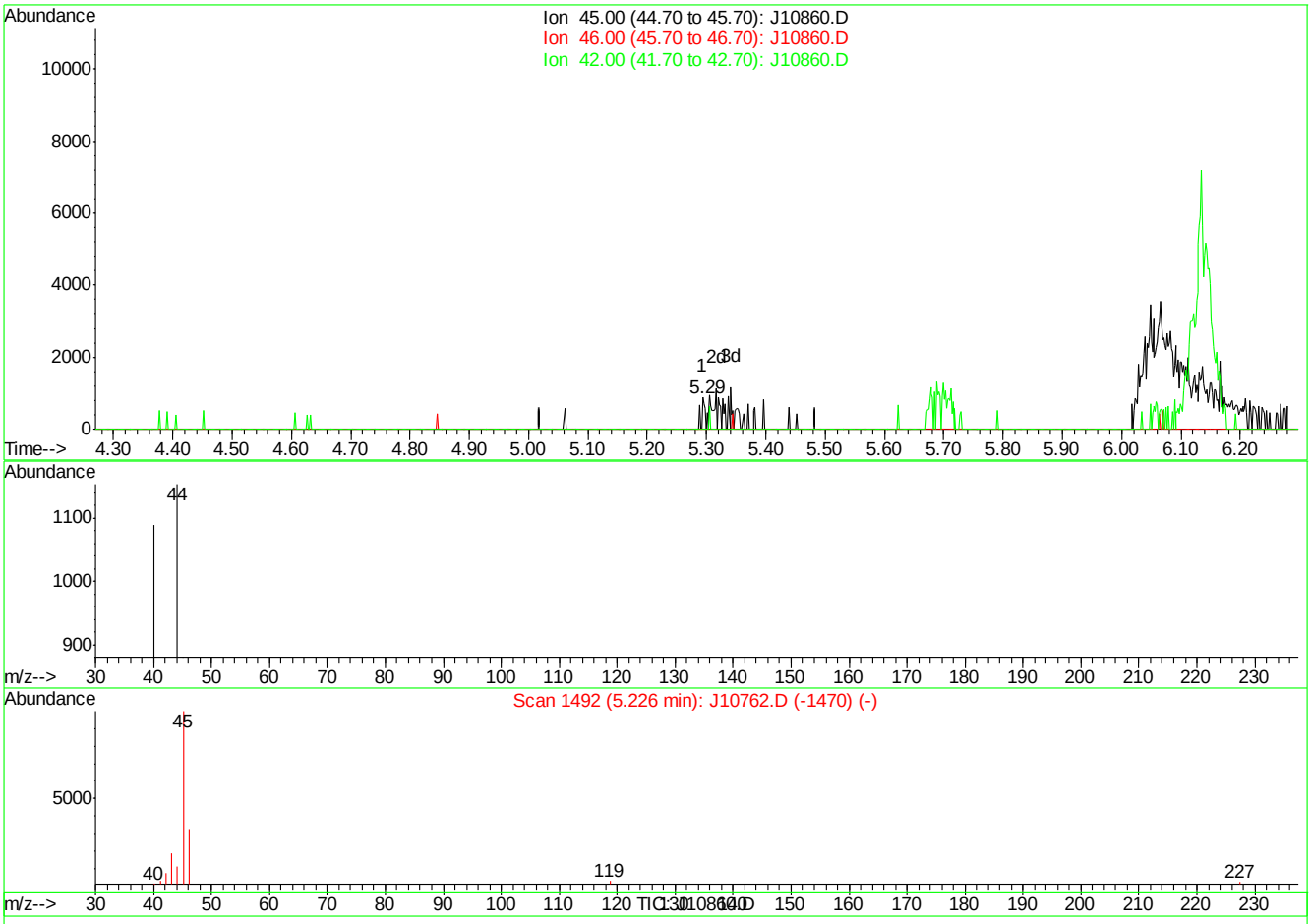
J10860.D J070507T.M Thu Jul 05 11:26:48 2007

Quantitation Report (Qedit)

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

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

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



(16) ETHANOL (m)

5.29min 0.05PPBV

response 306

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

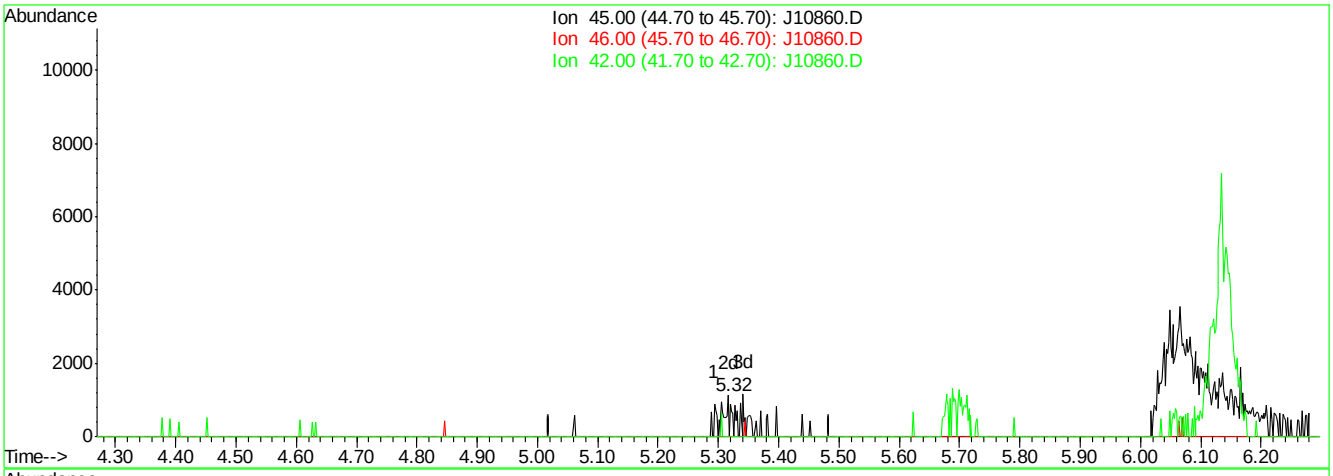
J10860.D J070507T.M Thu Jul 05 11:26:56 2007

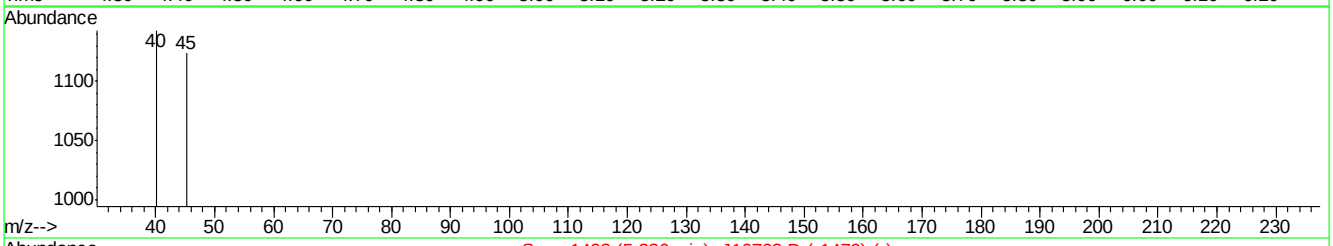
Quantitation Report (Qedit)

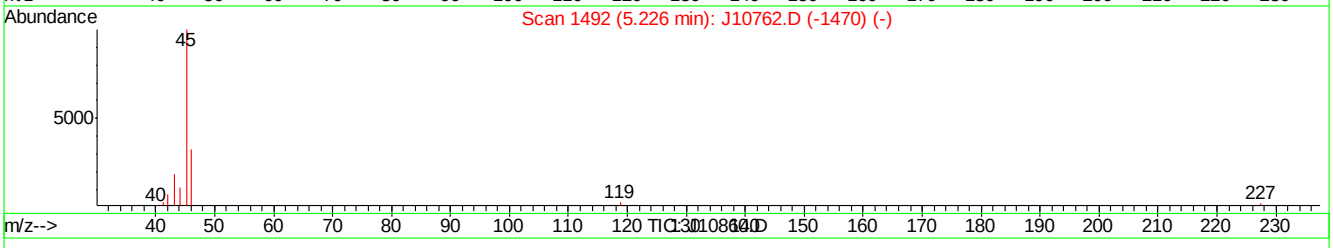
Data File : C:\MSDChem\1\data\J10860.D Vial: 1
Acq On : 5 Jul 2007 10:47 am Operator: danat
Sample : ic562-0.5 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

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







(16) ETHANOL (m)

5.32min 0.14PPBV m

response 847

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

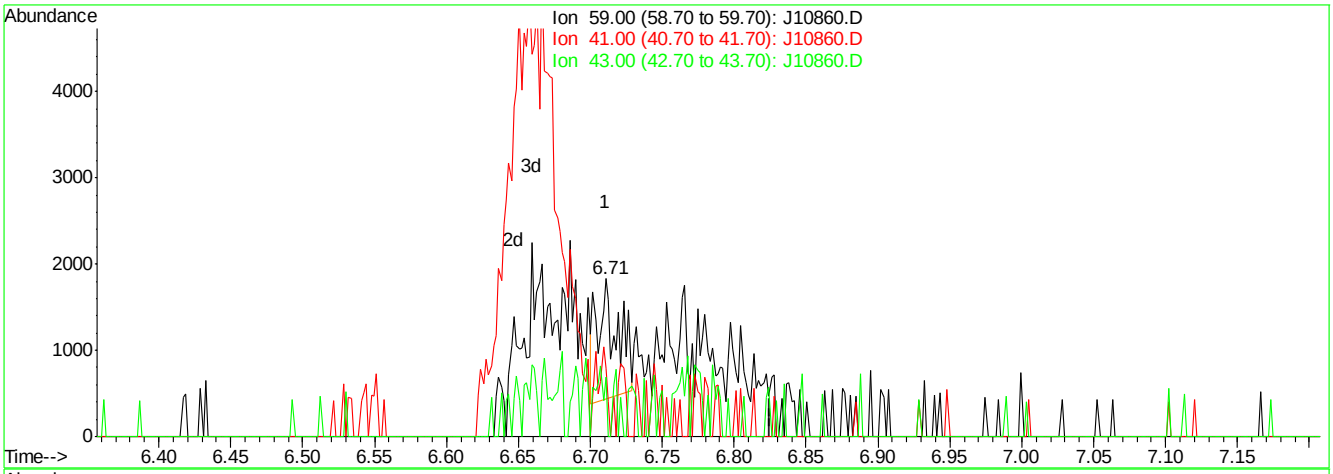
J10860.D J070507T.M Thu Jul 05 11:27:18 2007

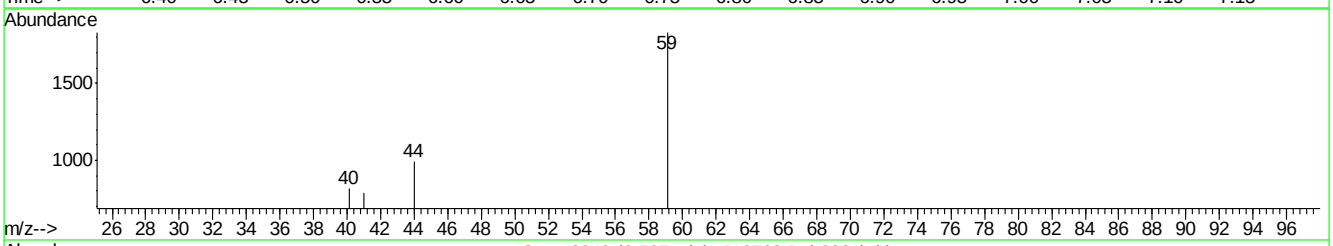
Quantitation Report (Qedit)

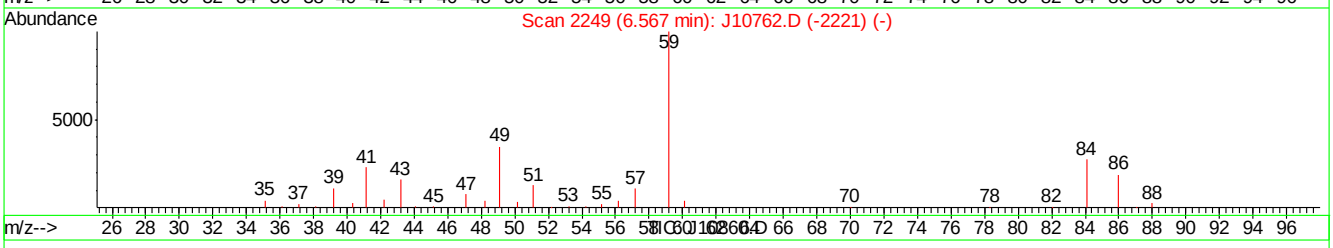
Data File : C:\MSDChem\1\data\J10860.D Vial: 1
Acq On : 5 Jul 2007 10:47 am Operator: danat
Sample : ic562-0.5 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

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







(22) TERTIARY BUTYL ALCOHOL (m)

6.71min 0.03PPBV

response 1343

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

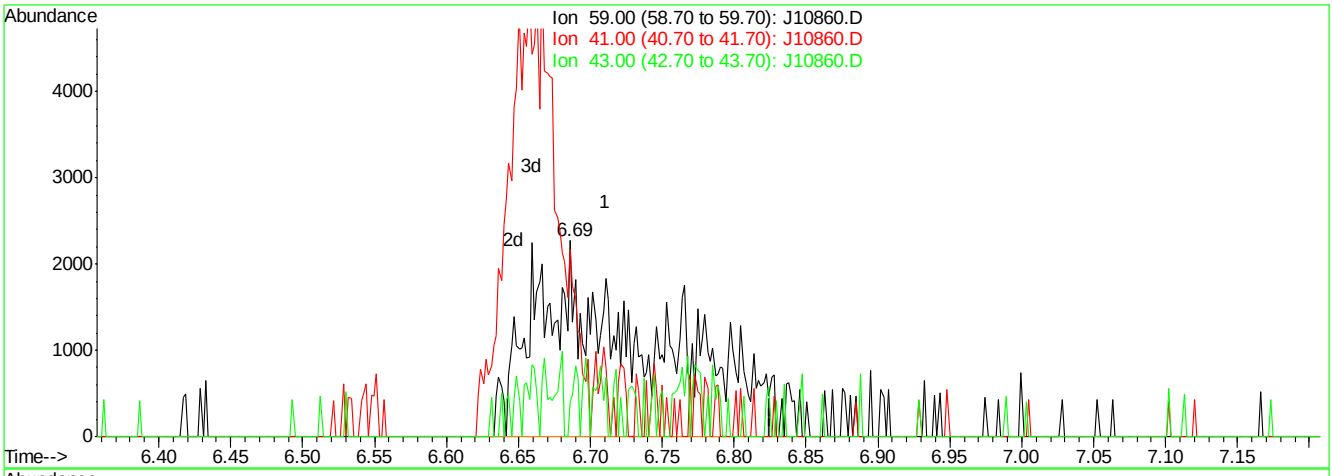
J10860.D J070507T.M Thu Jul 05 11:27:29 2007

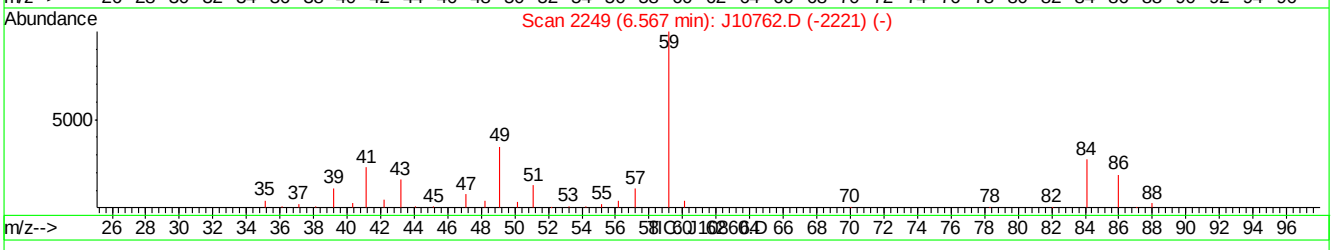
Quantitation Report (Qedit)

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

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

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





(22) TERTIARY BUTYL ALCOHOL (m)

6.69min 0.32PPBV m

response 12447

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

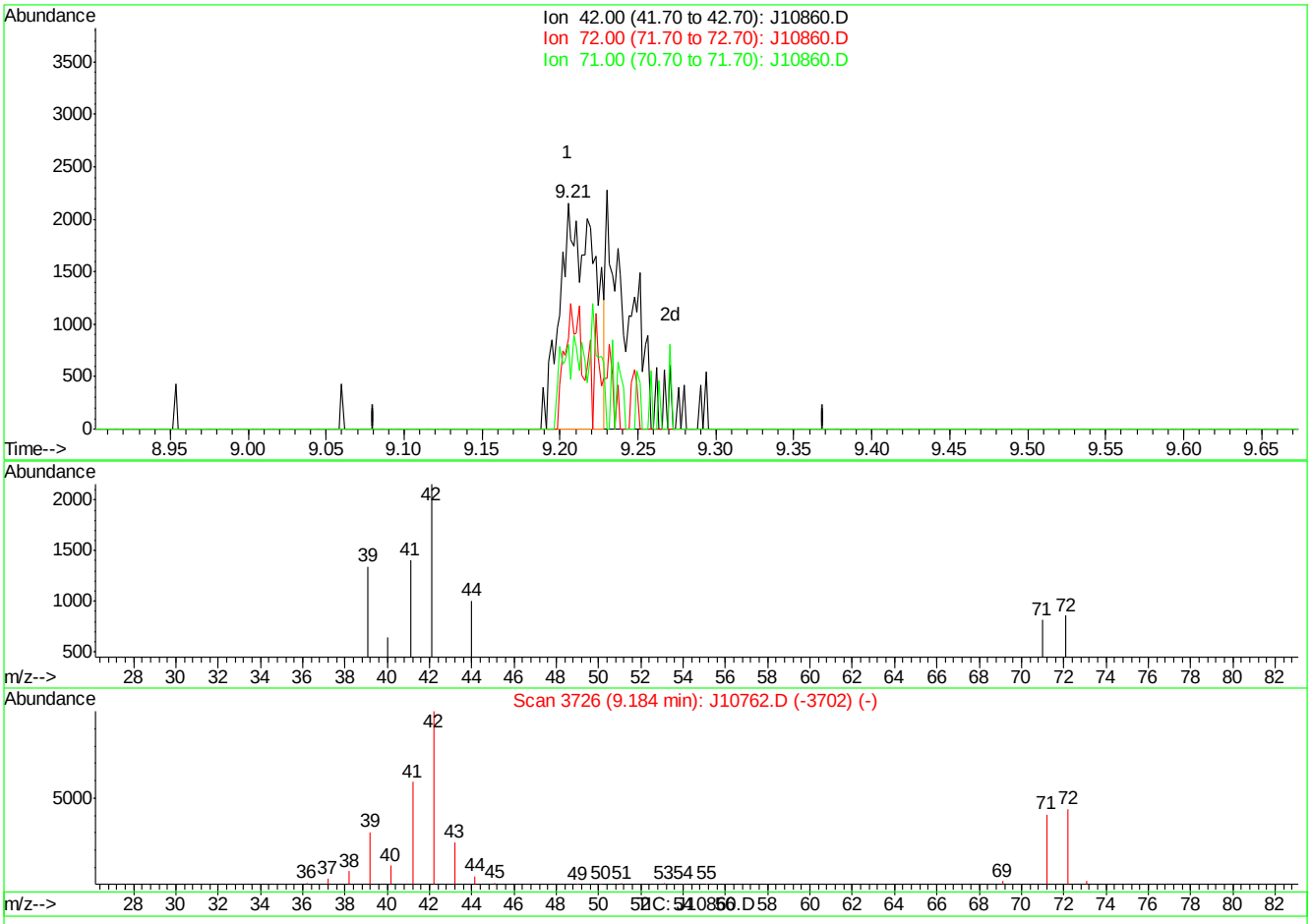
J10860.D J070507T.M Thu Jul 05 11:27:45 2007

Quantitation Report (Qedit)

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

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

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



(24) TETRAHYDROFURAN (m)

9.21min 0.19PPBV

response 3316

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

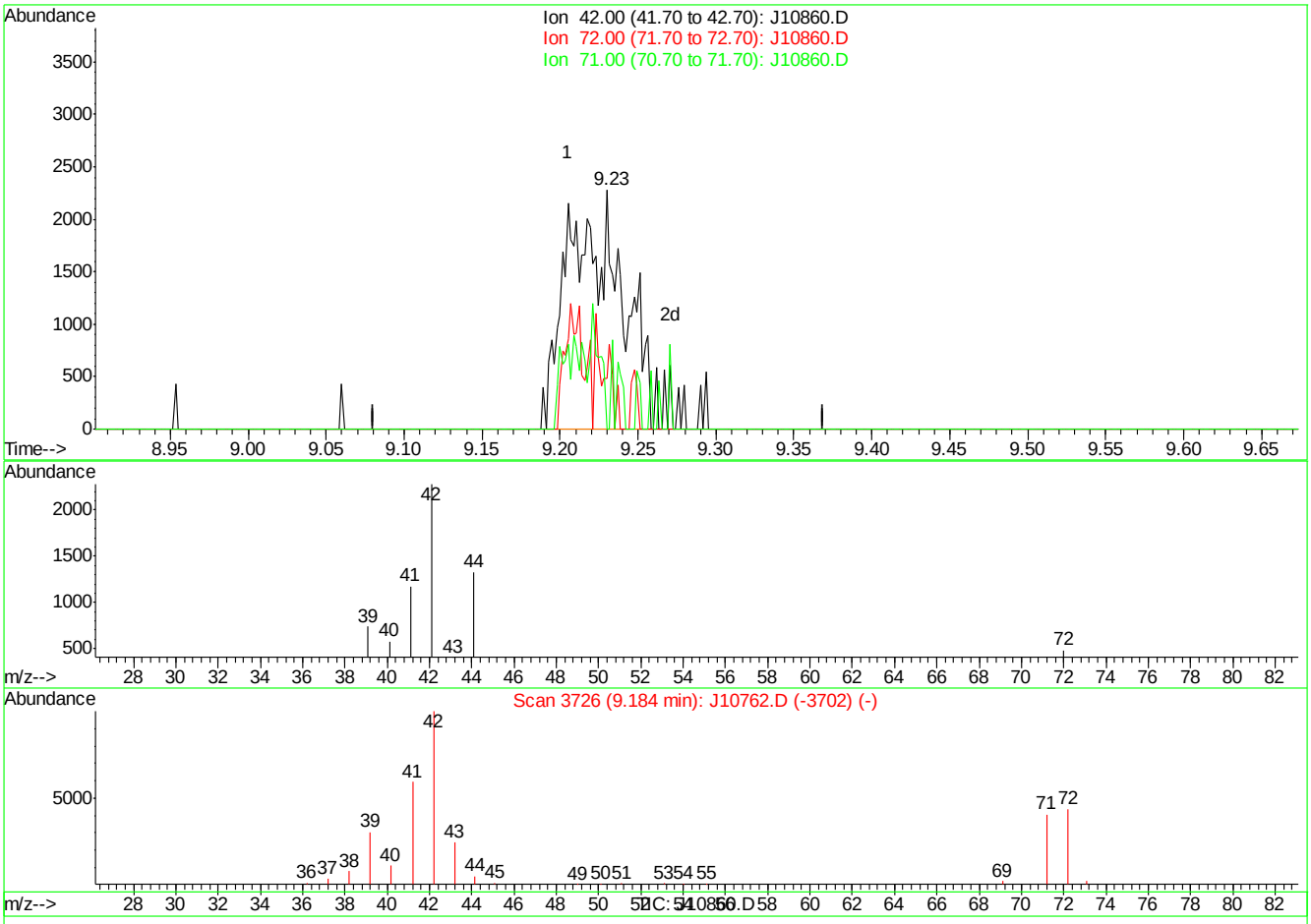
J10860.D J070507T.M Thu Jul 05 11:27:51 2007

Quantitation Report (Qedit)

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

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

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



(24) TETRAHYDROFURAN (m)

9.23min 0.30PPBV m

response 5371

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

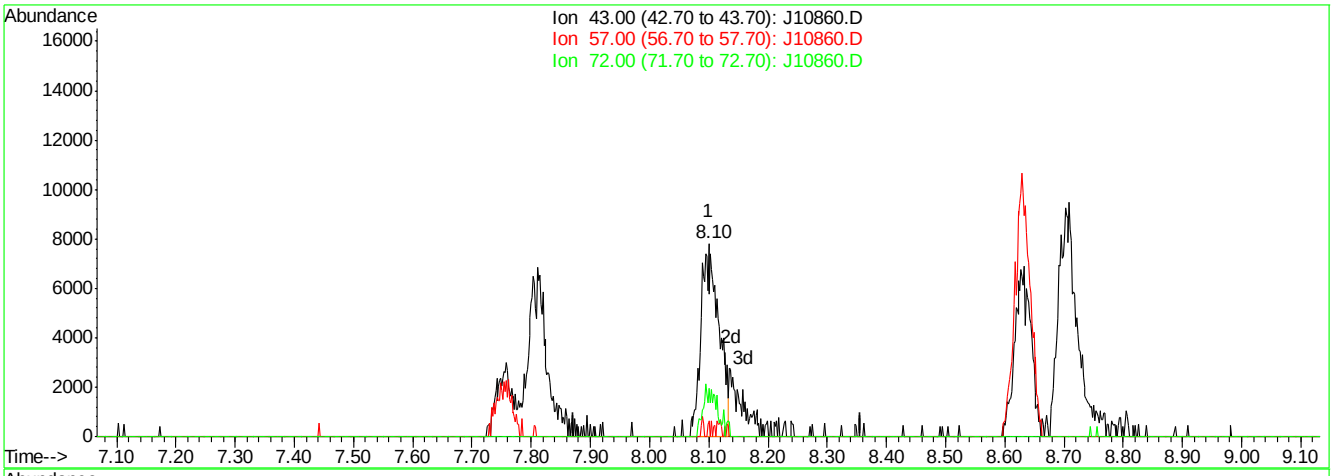
J10860.D J070507T.M Thu Jul 05 11:28:01 2007

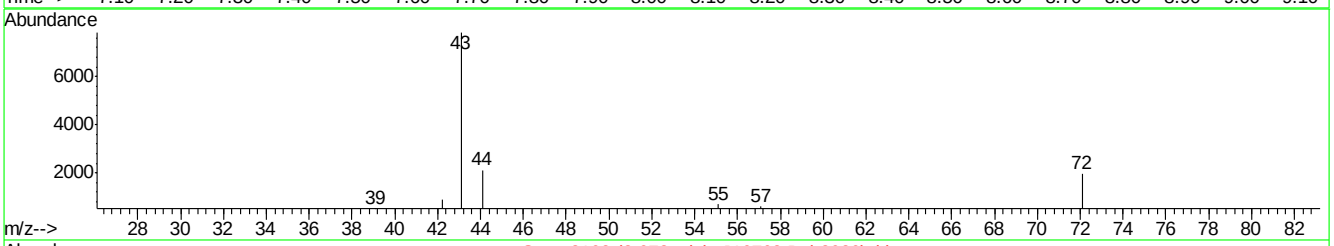
Quantitation Report (Qedit)

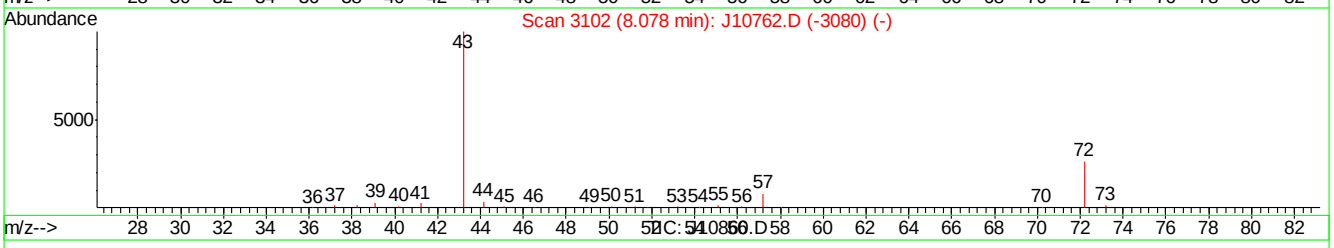
Data File : C:\MSDChem\1\data\J10860.D Vial: 1
Acq On : 5 Jul 2007 10:47 am Operator: danat
Sample : ic562-0.5 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

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







(28) METHYL ETHYL KETONE (m)

8.10min 0.44PPBV

response 16344

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

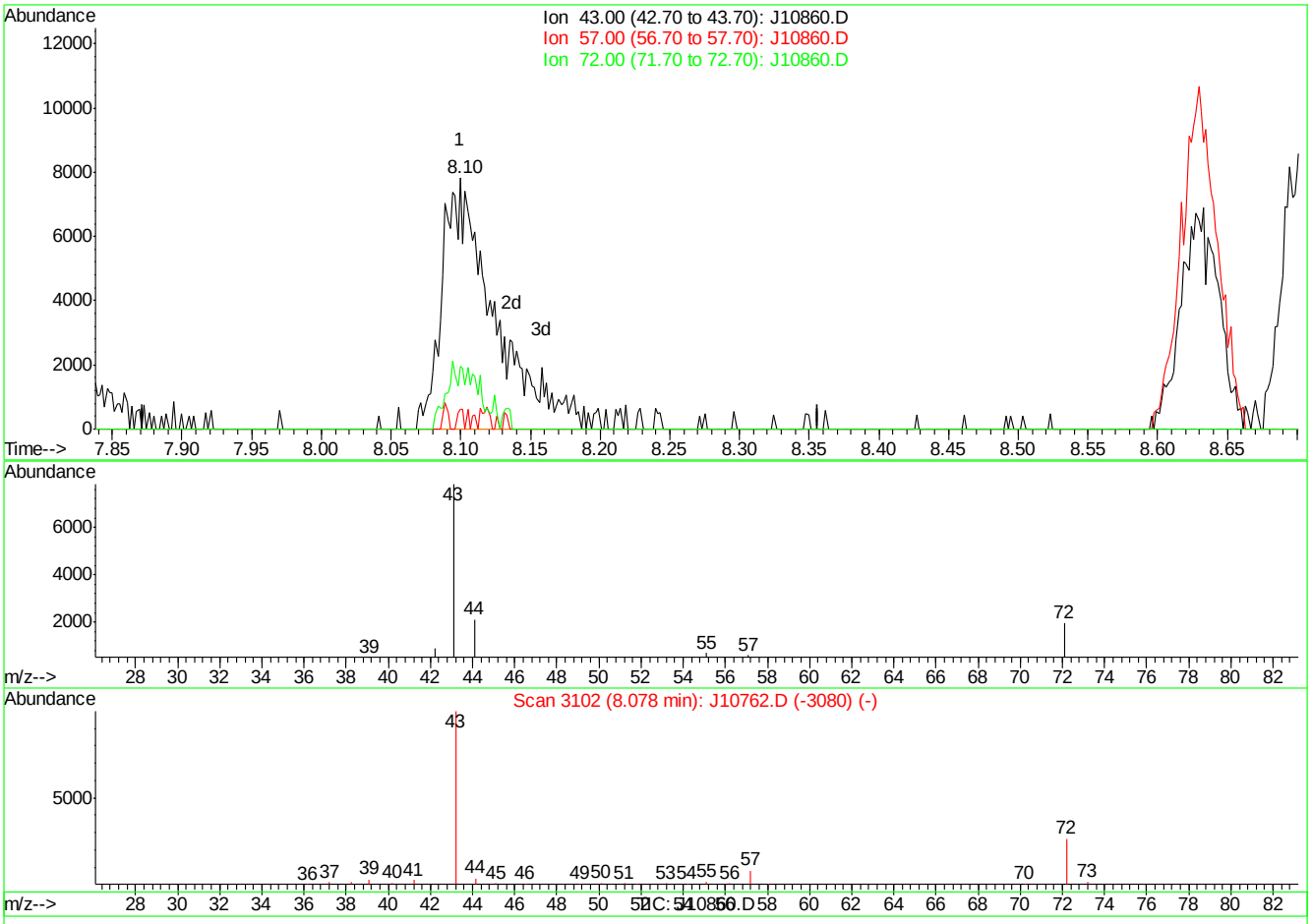
J10860.D J070507T.M Thu Jul 05 11:28:12 2007

Quantitation Report (Qedit)

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

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

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



(28) METHYL ETHYL KETONE (m)

8.10min 0.54PPBV m

response 20284

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

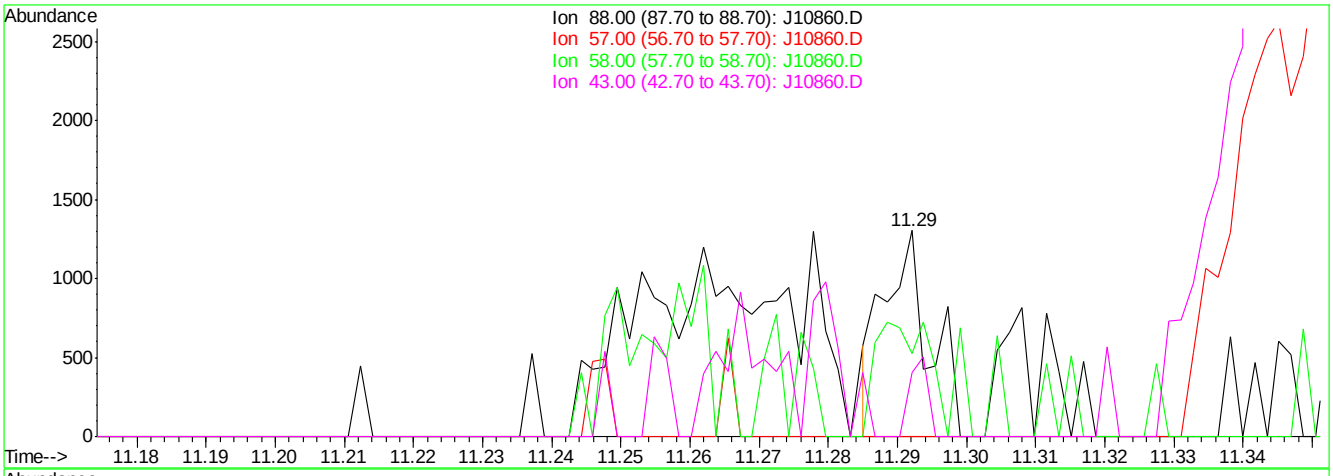
J10860.D J070507T.M Thu Jul 05 11:28:19 2007

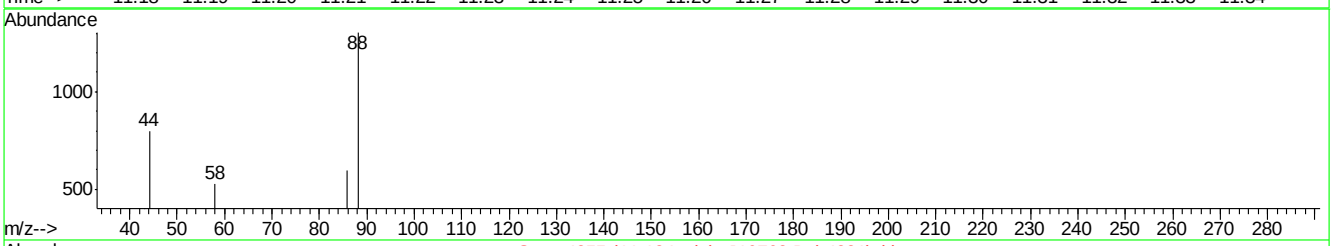
Quantitation Report (Qedit)

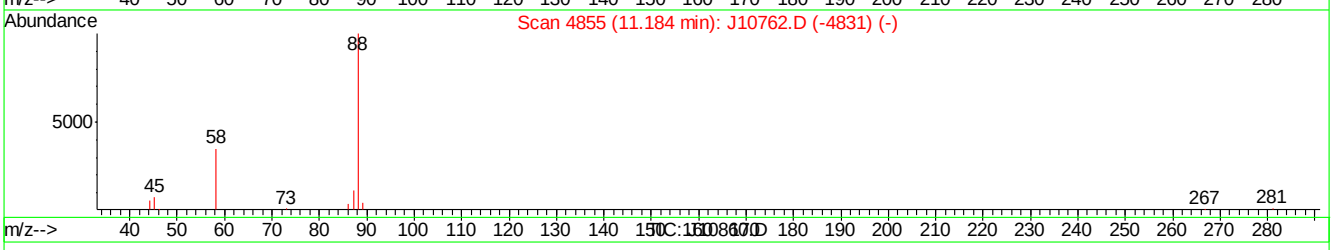
Data File : C:\MSDChem\1\data\J10860.D Vial: 1
Acq On : 5 Jul 2007 10:47 am Operator: danat
Sample : ic562-0.5 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

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







(42) 1,4-DIOXANE (m)

11.29min 0.05PPBV

response 606

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

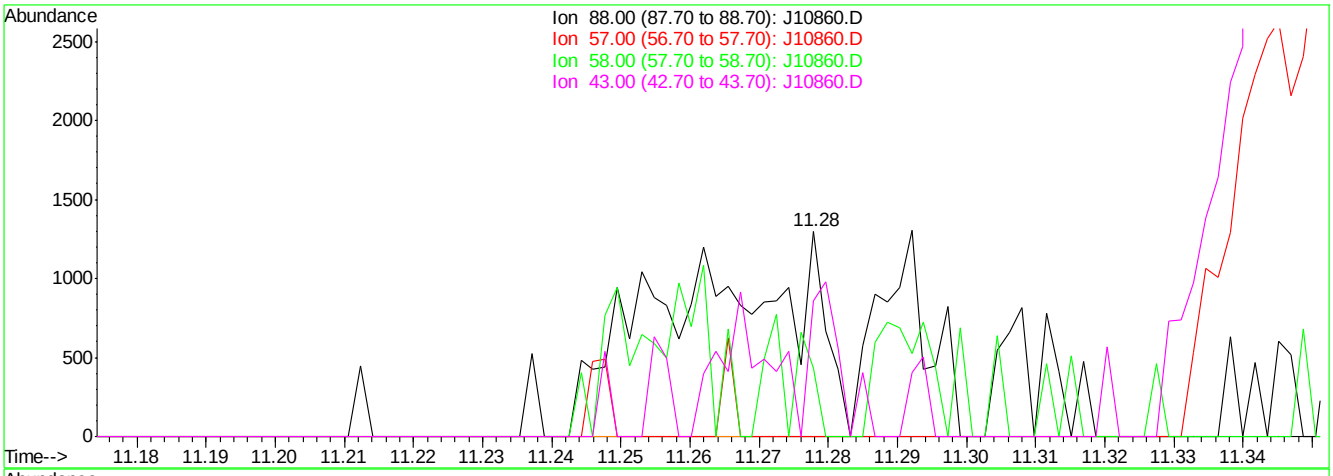
J10860.D J070507T.M Thu Jul 05 11:28:38 2007

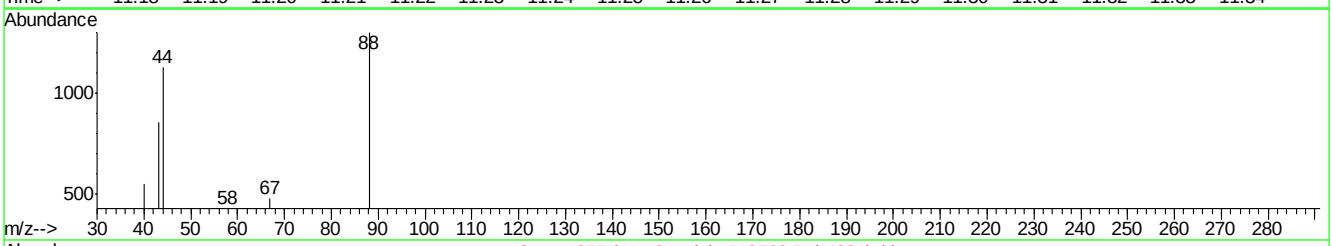
Quantitation Report (Qedit)

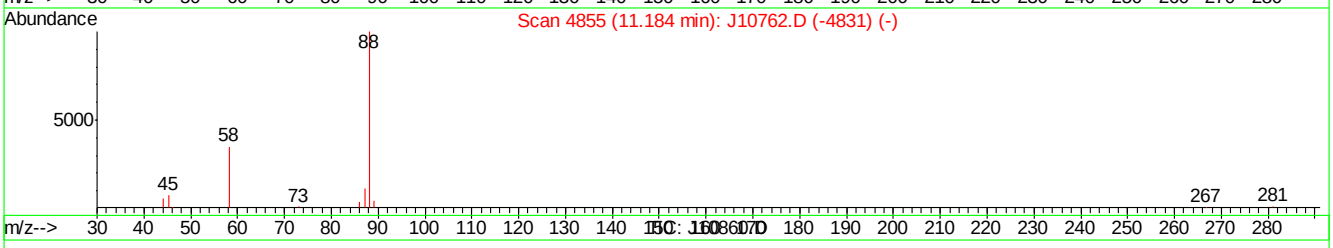
Data File : C:\MSDChem\1\data\J10860.D Vial: 1
Acq On : 5 Jul 2007 10:47 am Operator: danat
Sample : ic562-0.5 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

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







(42) 1,4-DIOXANE (m)

11.28min 0.16PPBV m

response 1834

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

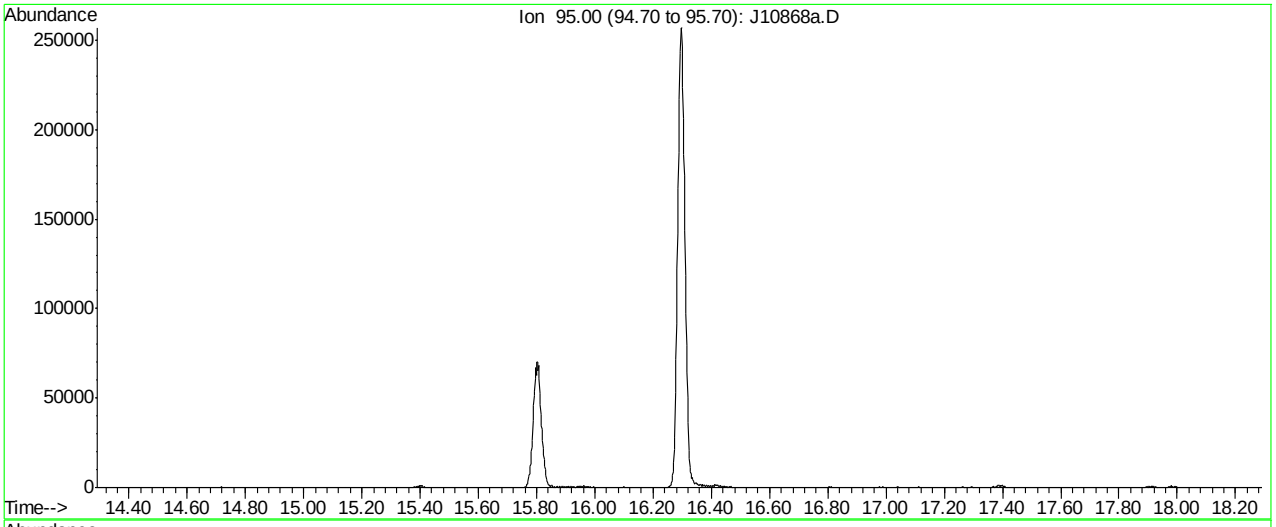
J10860.D J070507T.M Thu Jul 05 11:28:45 2007

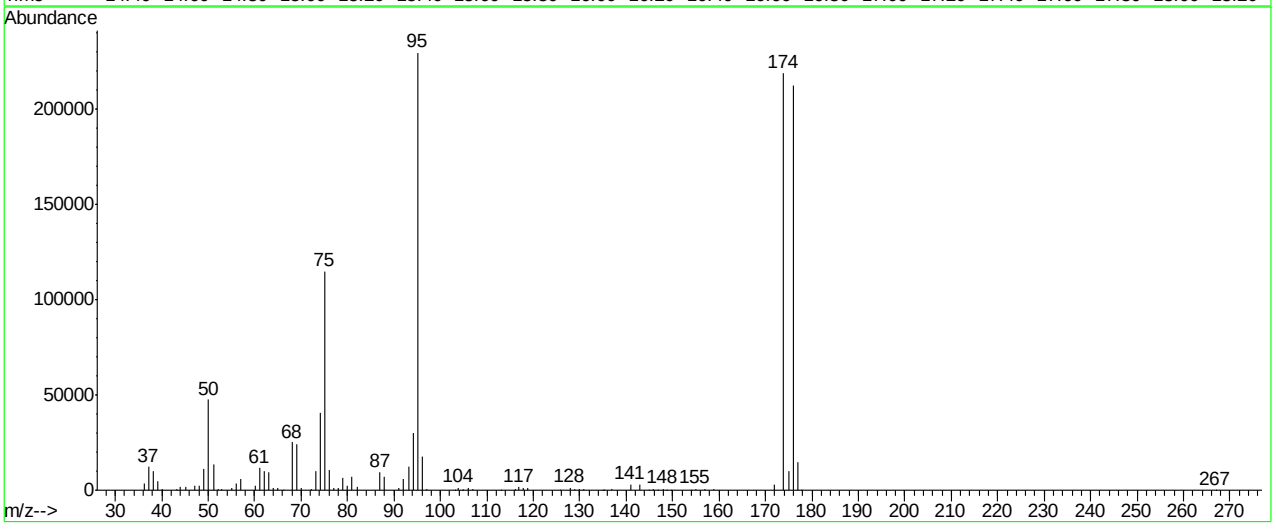
BFB

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

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

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





Spectrum Information: Average of 16.290 to 16.292 min.

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

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

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

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

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

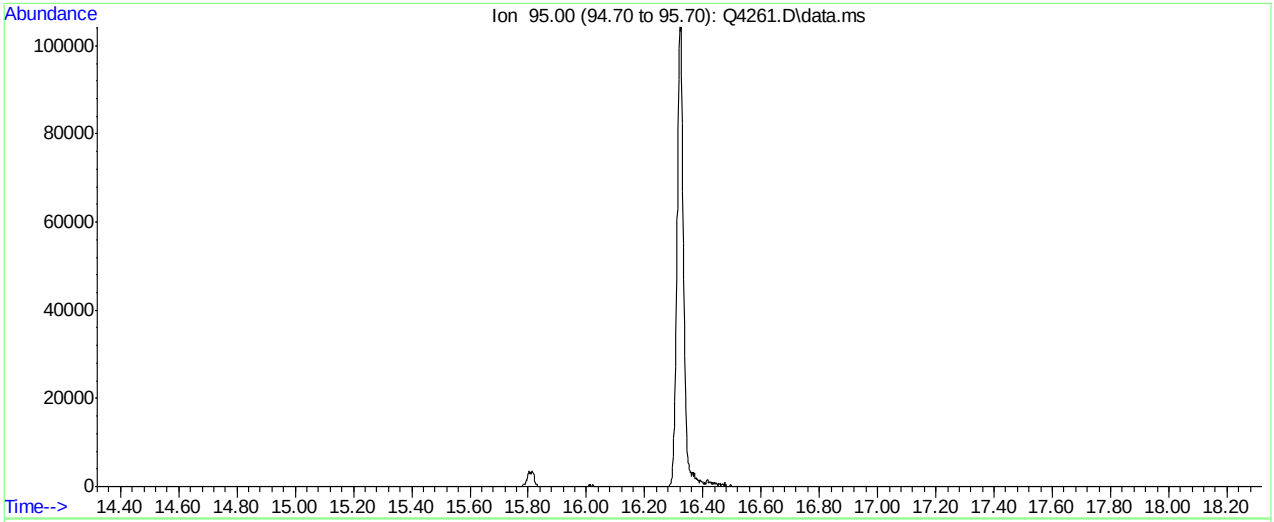
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
94.15	30008	116.05	885	136.85	497	156.95	541
95.10	229440	116.95	1589	140.90	3098	158.85	689
96.10	17680	117.90	1222	142.90	2899	171.90	2894
97.10	647	118.90	1290	144.90	309	173.90	218688
103.00	232	125.90	212	145.80	383	175.00	10052
103.90	1206	127.90	1322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

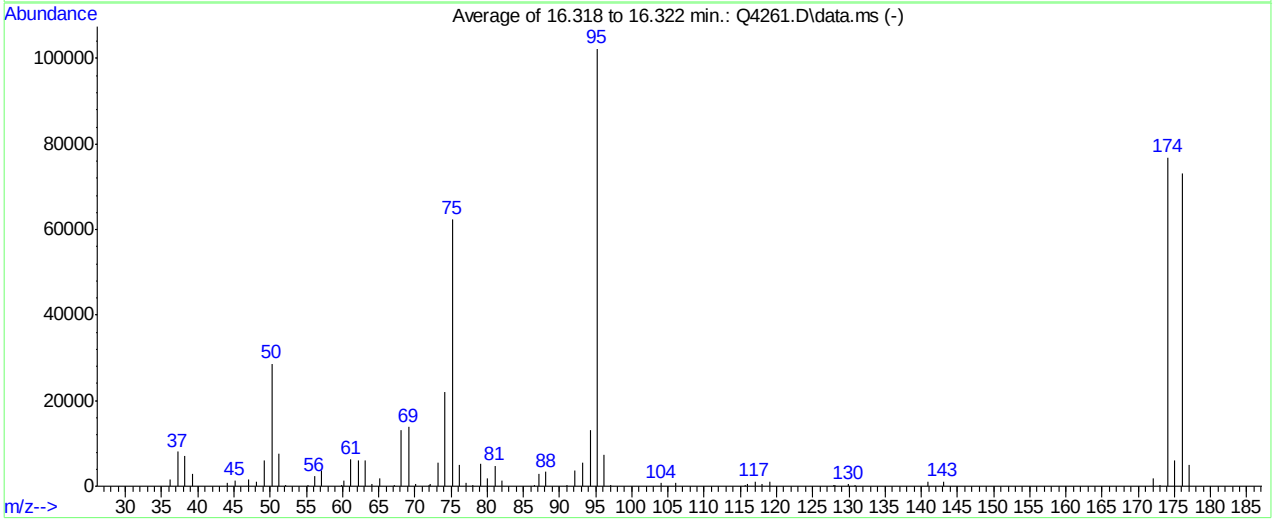
BFB

Data File : C:\msdchem\1\DATA\Q4261.D
Acq On : 13 Aug 2007 8:51 am
Sample : ic227-0.5 (M072)
Misc : MS14080, MSQ227,,,,,1
MS Integration Params: LSCINT.P

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

Method : C:\msdchem\1\METHODS\Q081307T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um





AutoFind: Scans 7738, 7739, 7740; Background Corrected with Scan 7716

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	28.0	28613	PASS
75	95	30	66	61.0	62392	PASS
95	95	100	100	100.0	102344	PASS
96	95	5	9	7.2	7378	PASS
173	174	0.00	2	0.3	220	PASS
174	95	50	120	75.1	76872	PASS
175	174	4	9	7.8	6020	PASS
176	174	93	101	95.3	73232	PASS
177	176	5	9	6.6	4865	PASS

Q4261.D Q081307T.m Tue Aug 14 14:58:17 2007 RPT1

Average of 16.318 to 16.322 min.: Q4261.D\data.ms
ic227-0.5 (M072)
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.10	1471	52.10	205	67.10	153	78.00	252
37.20	8082	55.20	221	68.10	12991	79.05	5292
38.20	7158	56.15	2446	69.15	13772	80.00	1822
39.20	3020	57.15	3600	70.10	629	81.05	4726
44.05	727	59.90	292	71.90	356	82.05	1207
45.15	1325	60.25	1231	72.05	571	86.50	288
47.05	1539	61.15	6394	73.15	5418	87.10	2805
48.15	957	62.15	5948	74.15	21914	88.15	3391
49.15	5942	63.15	6096	75.20	62392	91.00	154
50.20	28613	64.10	634	76.15	5112	92.15	3657
51.20	7717	65.15	1853	77.05	889	93.15	5606

Average of 16.318 to 16.322 min.: Q4261.D\data.ms
ic227-0.5 (M072)
Modified:subtracted

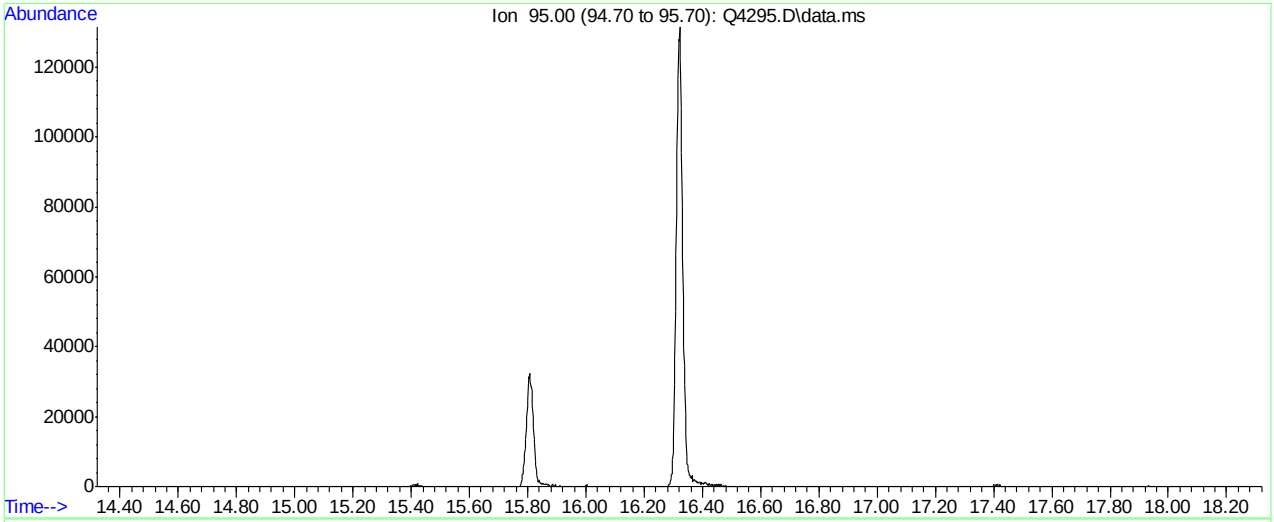
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
94.20	13235	127.90	191	177.10	4865		
95.20	102344	128.10	142				
96.15	7378	129.95	491				
97.10	148	130.90	216				
104.05	686	140.95	1018				
106.05	664	143.05	1176				
115.70	146	172.00	1924				
115.95	487	173.00	220				
117.05	1174	174.10	76872				
118.05	448	175.05	6020				
119.00	951	176.10	73232				

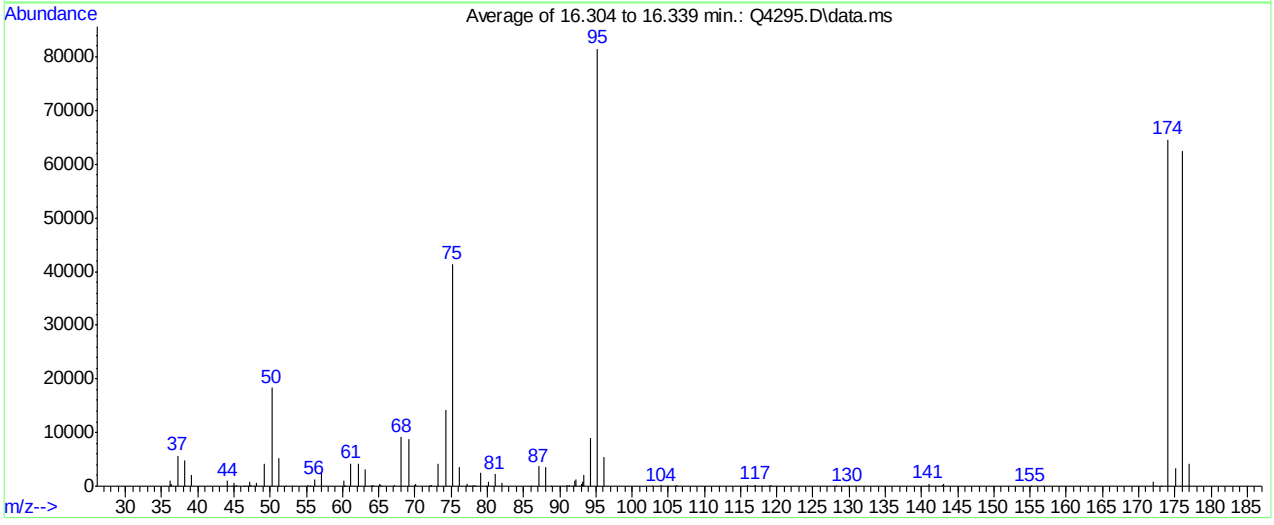
BFB

Data File : C:\msdchem\1\DATA\Q4295.D
Acq On : 15 Aug 2007 9:51 am
Sample : cc227-10 (M164)
Misc : MS14080, MSQ228,,,,,1
MS Integration Params: LSCINT.P

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

Method : C:\msdchem\1\METHODS\Q081307T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um





Spectrum Information: Average of 16.304 to 16.339 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	22.5	18372	PASS
75	95	30	66	50.7	41361	PASS
95	95	100	100	100.0	81555	PASS
96	95	5	9	6.5	5337	PASS
173	174	0.00	2	0.1	56	PASS
174	95	50	120	79.2	64552	PASS
175	174	4	9	5.2	3347	PASS
176	174	93	101	96.7	62399	PASS
177	176	5	9	6.6	4090	PASS

Q4295.D Q081307T.m Fri Aug 17 13:34:18 2007 RPT1

Average of 16.304 to 16.339 min.: Q4295.D\data.ms
cc227-10 (M164)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.10	1051	47.10	840	56.15	1342	65.10	414
36.25	395	47.25	183	57.15	2440	65.25	306
37.20	5665	47.80	59	60.10	975	67.10	179
38.20	4713	48.10	619	60.20	64	68.15	9120
39.15	1994	49.20	4190	60.35	97	69.15	8881
44.10	1022	50.20	18372	61.15	4245	70.00	256
44.80	24	51.15	5305	62.15	4110	70.15	347
45.05	602	52.15	66	63.10	3216	72.00	97
45.25	223	53.10	20	63.90	59	72.10	99
46.45	39	55.15	156	64.00	74	72.25	236
46.80	32	55.60	19	64.15	181	73.20	4205

Average of 16.304 to 16.339 min.: Q4295.D\data.ms
cc227-10 (M164)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
74.25	14198	80.10	870	92.25	1189	106.15	155
75.20	41361	81.05	2217	93.00	382	115.95	146
76.15	3543	82.05	737	93.10	905	116.90	97
77.00	110	86.00	76	93.25	2068	117.05	308
77.15	460	87.10	3735	94.20	8901	117.90	70
77.60	34	88.10	3539	95.20	81555	118.90	59
77.85	83	88.80	20	96.15	5337	119.15	123
78.10	297	91.05	288	102.80	20	127.80	22
78.30	24	91.25	178	104.05	186	128.20	44
79.05	2418	91.70	23	104.90	26	129.85	64
79.80	30	92.10	962	105.90	78	141.00	492

Average of 16.304 to 16.339 min.: Q4295.D\data.ms
cc227-10 (M164)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
142.90	138						
143.10	352						
155.10	21						
156.90	21						
172.00	818						
172.40	44						
173.10	56						
174.10	64552						
175.15	3347						
176.10	62399						
177.05	4090						

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

Quantitation Report (QT Reviewed)

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

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

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

Quantitation Report (QT Reviewed)

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

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

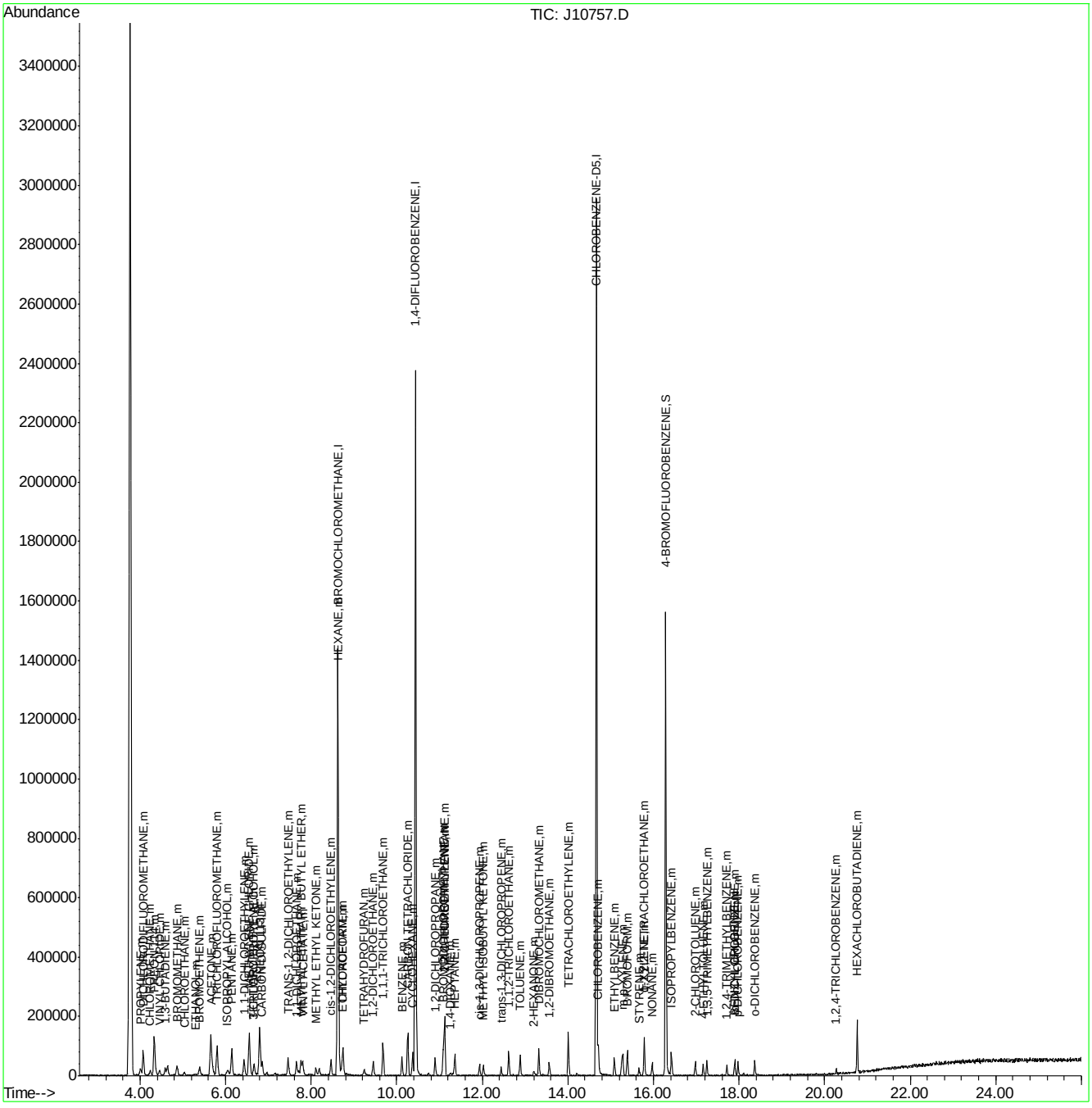
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.02	43	21762	0.37 PPBV #	46
45) cis-1,3-DICHLOROPROPENE	11.93	75	16819	0.34 PPBV	95
46) TOLUENE	12.88	92	27196	0.42 PPBV	98
47) trans-1,3-DICHLOROPROPENE	12.44	75	13551	0.29 PPBV	97
48) 1,1,2-TRICHLOROETHANE	12.61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

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

Quantitation Report (QT Reviewed)

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

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

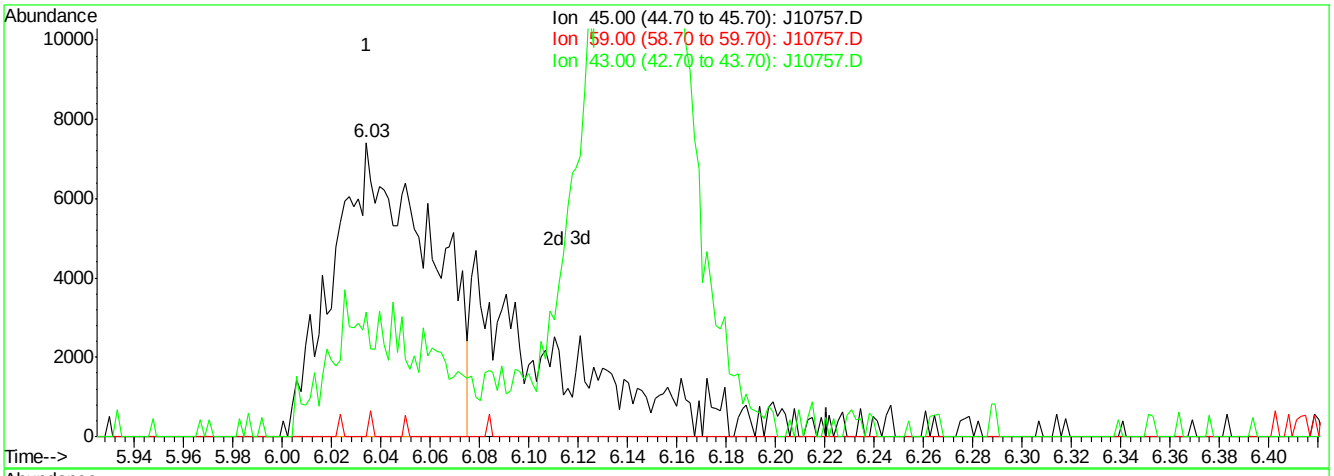


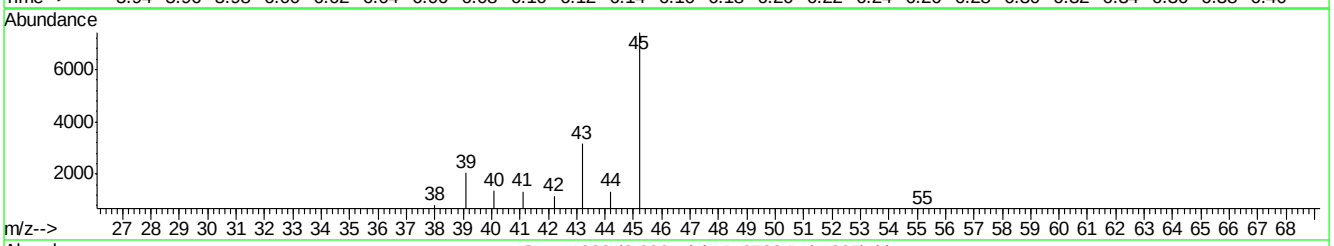
Quantitation Report (Qedit)

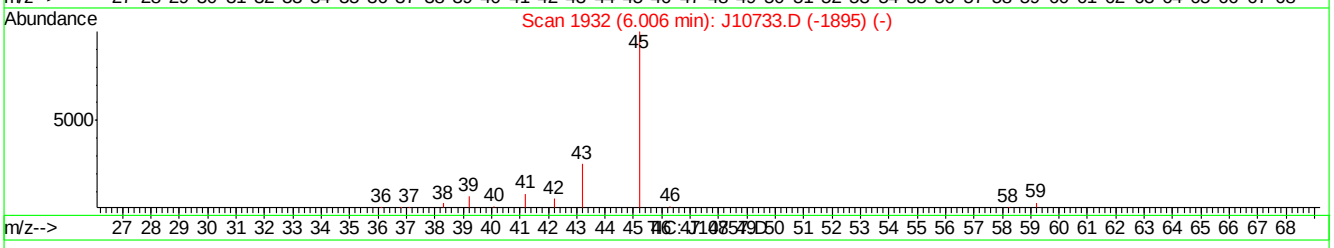
Data File : C:\MSDChem\1\data\J10757.D Vial: 2
Acq On : 25 Jun 2007 10:16 am Operator: danat
Sample : ic557-0.5 (m141) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

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







(11) ISOPROPYL ALCOHOL (m)

6.03min 0.43PPBV

response 20053

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

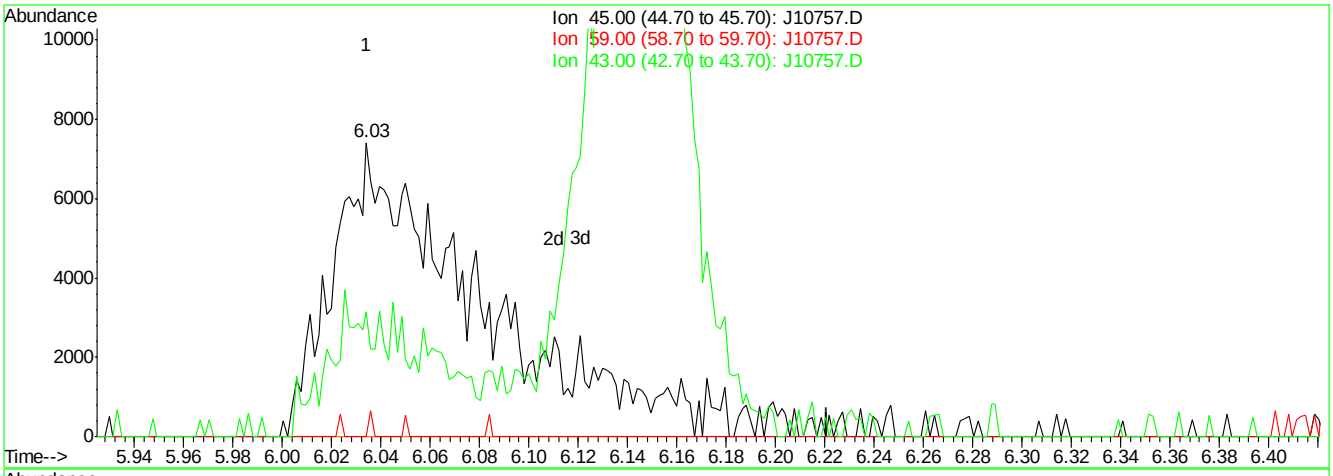
J10757.D J062507T.M Mon Jun 25 10:48:40 2007

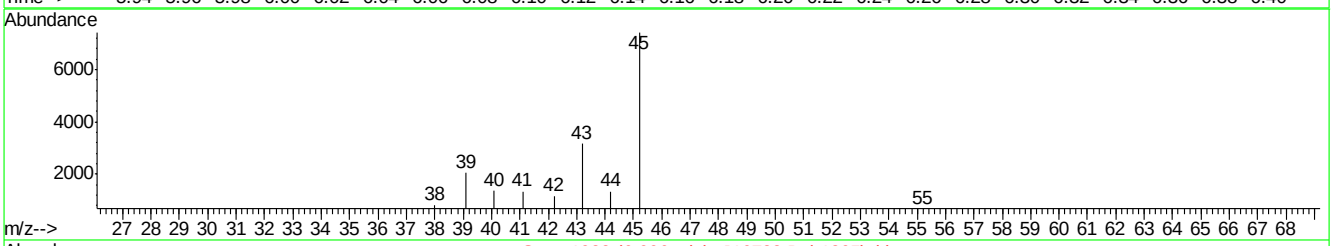
Quantitation Report (Qedit)

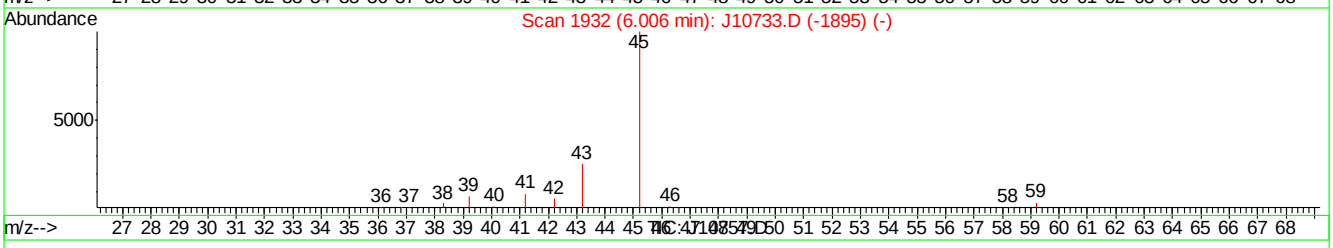
Data File : C:\MSDChem\1\data\J10757.D Vial: 2
Acq On : 25 Jun 2007 10:16 am Operator: danat
Sample : ic557-0.5 (m141) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

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







(11) ISOPROPYL ALCOHOL (m)

6.03min 0.63PPBV m

response 29822

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

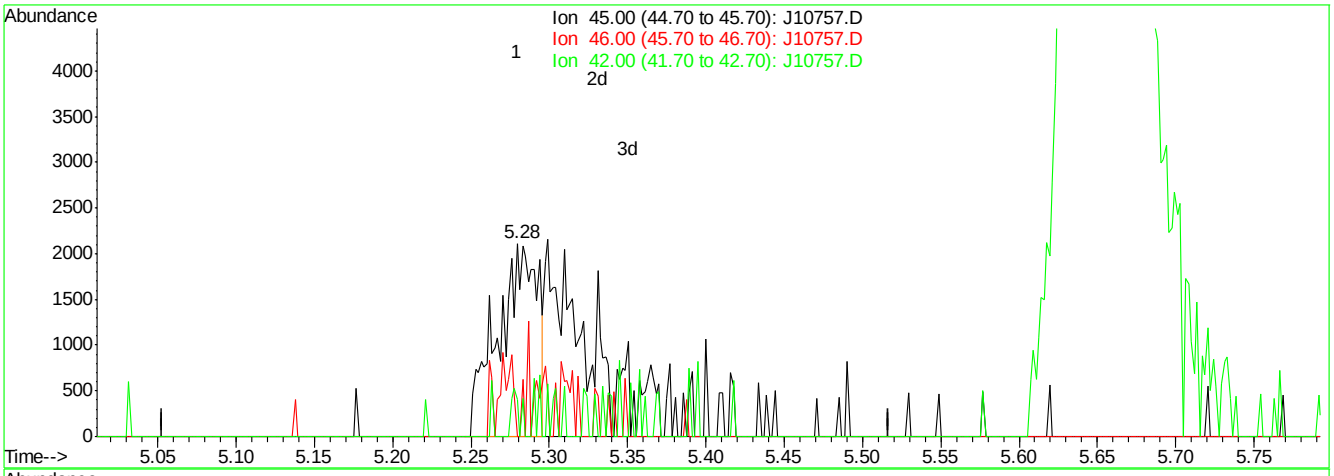
J10757.D J062507T.M Mon Jun 25 10:48:45 2007

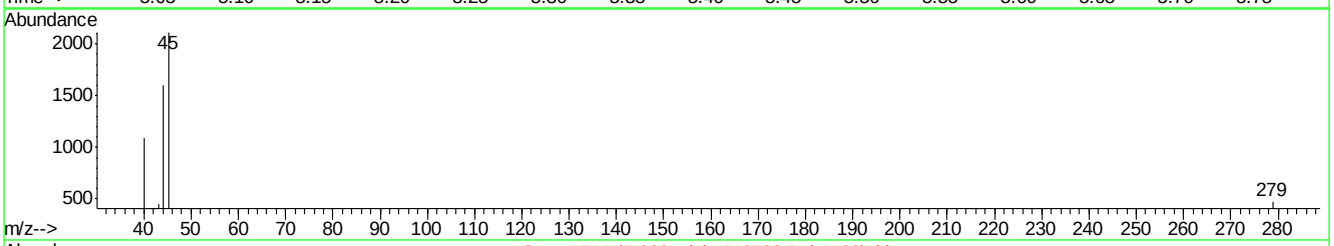
Quantitation Report (Qedit)

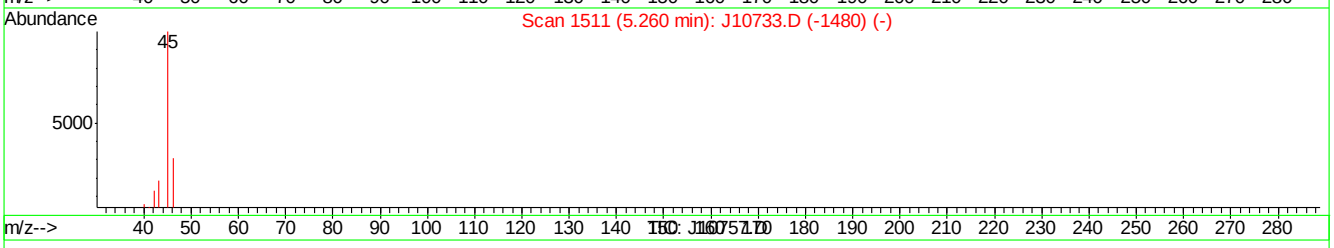
Data File : C:\MSDChem\1\data\J10757.D Vial: 2
Acq On : 25 Jun 2007 10:16 am Operator: danat
Sample : ic557-0.5 (m141) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

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







(16) ETHANOL (m)

5.28min 0.45PPBV

response 3685

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

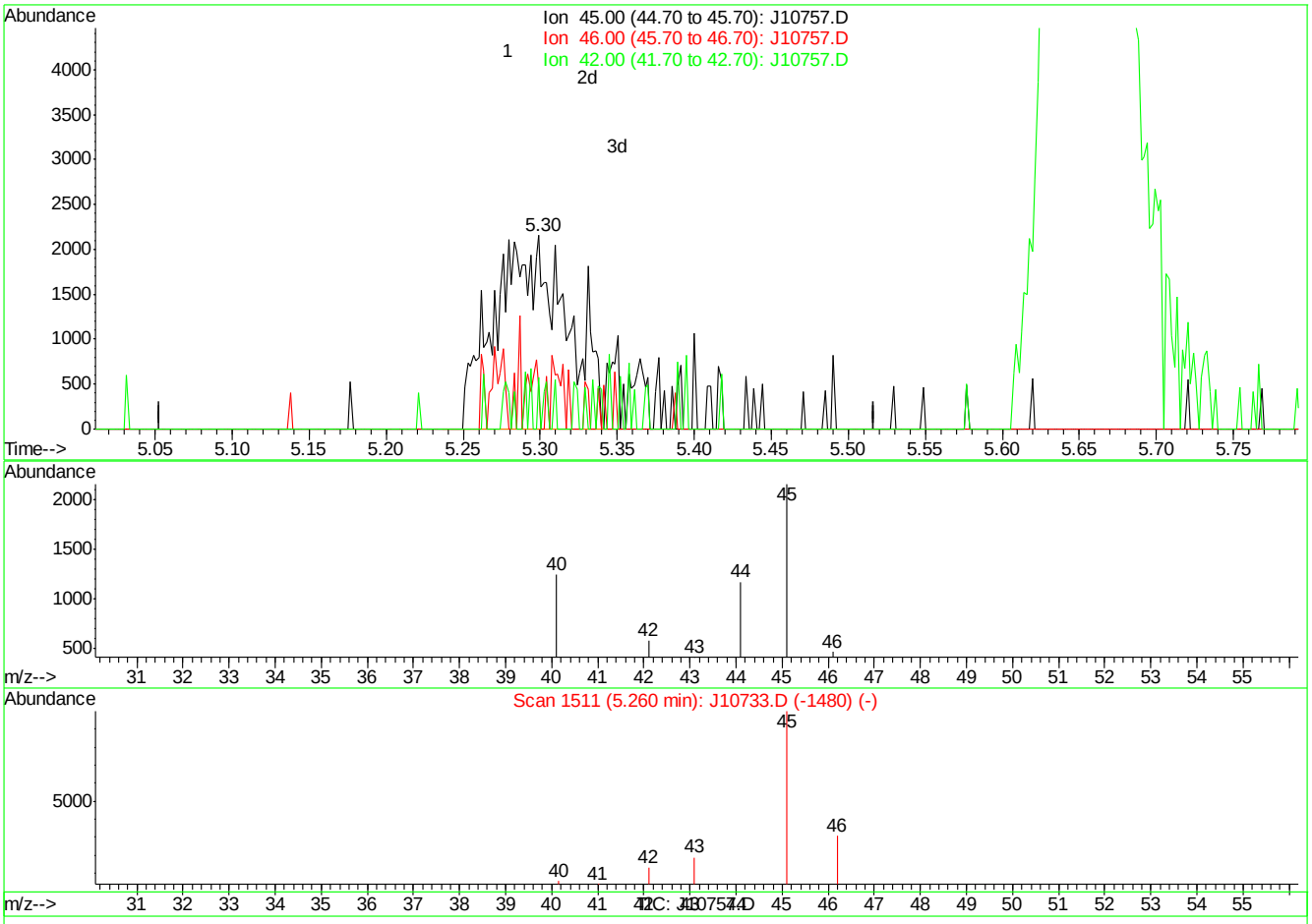
J10757.D J062507T.M Mon Jun 25 10:49:22 2007

Quantitation Report (Qedit)

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

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

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



(16) ETHANOL (m)

5.30min 0.89PPBV m

response 7283

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

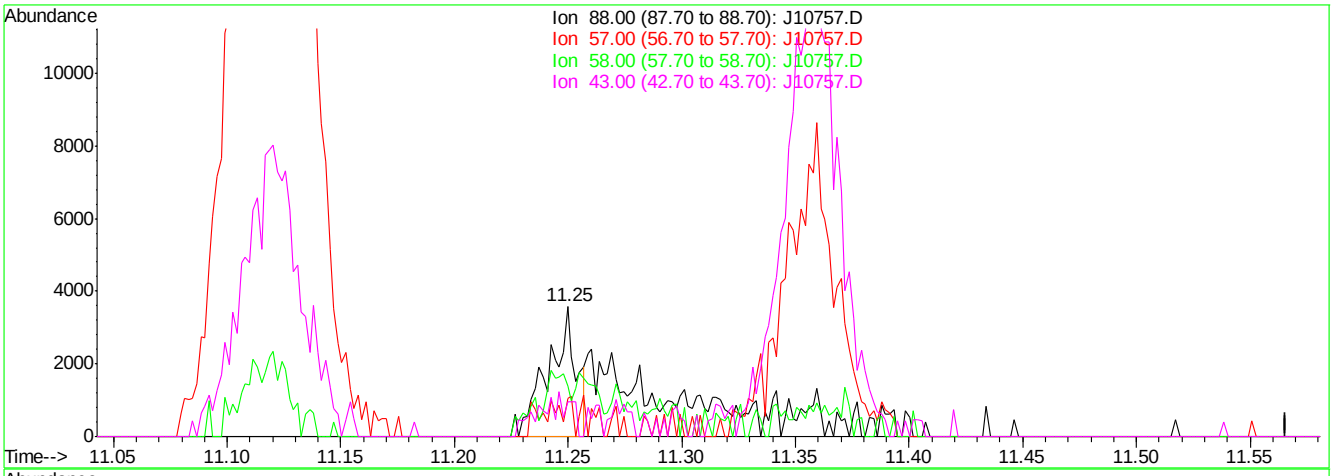
J10757.D J062507T.M Mon Jun 25 10:49:33 2007

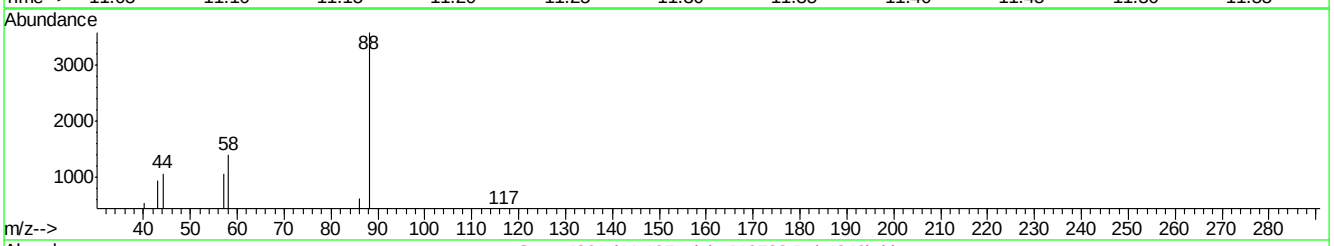
Quantitation Report (Qedit)

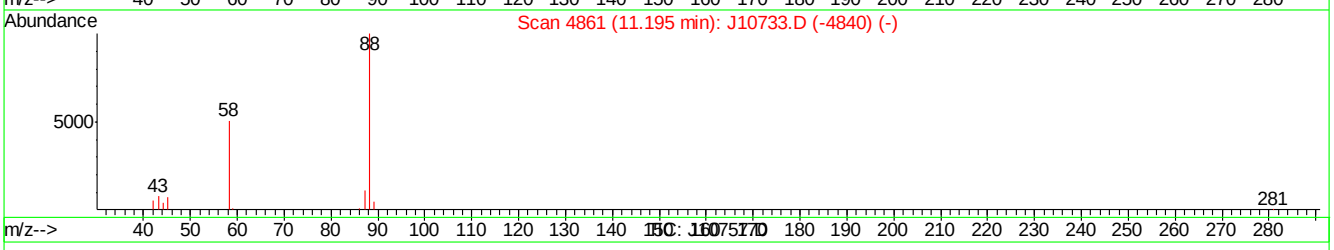
Data File : C:\MSDChem\1\data\J10757.D Vial: 2
Acq On : 25 Jun 2007 10:16 am Operator: danat
Sample : ic557-0.5 (m141) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

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







(42) 1,4-DIOXANE (m)

11.25min 0.14PPBV

response 3047

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

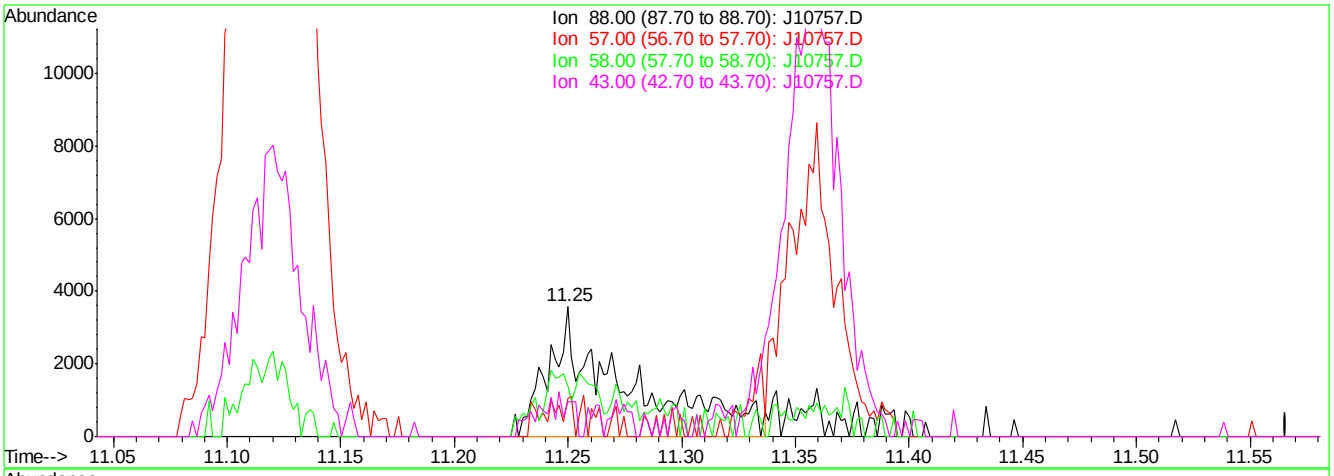
J10757.D J062507T.M Mon Jun 25 10:49:57 2007

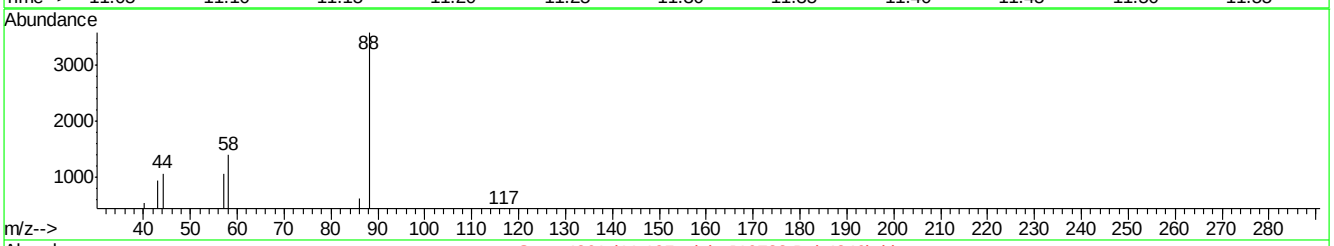
Quantitation Report (Qedit)

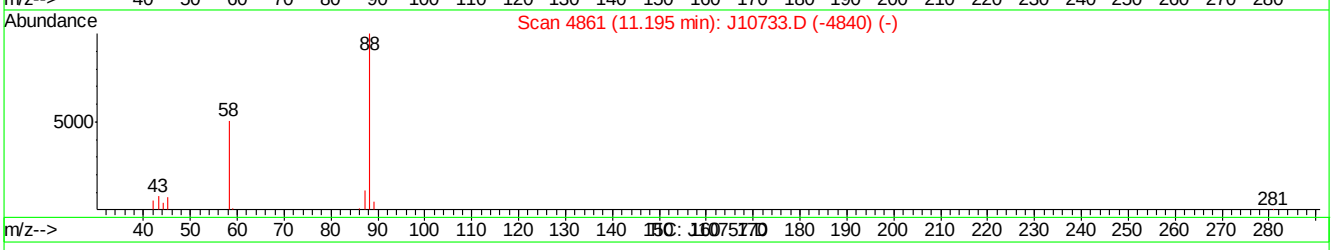
Data File : C:\MSDChem\1\data\J10757.D Vial: 2
Acq On : 25 Jun 2007 10:16 am Operator: danat
Sample : ic557-0.5 (m141) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

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







(42) 1,4-DIOXANE (m)

11.25min 0.38PPBV m

response 8305

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

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

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

Quantitation Report (QT Reviewed)

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

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	410191	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.43	114	1809825	10.00	PPBV	-0.02
49) CHLOROBENZENE-D5	14.66	117	1513108	10.00	PPBV	-0.01

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.28	95	380172	4.05	PPBV	-0.02

Spiked Amount 5.000 Range 51 - 142 Recovery = 81.00%

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

Quantitation Report (QT Reviewed)

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

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

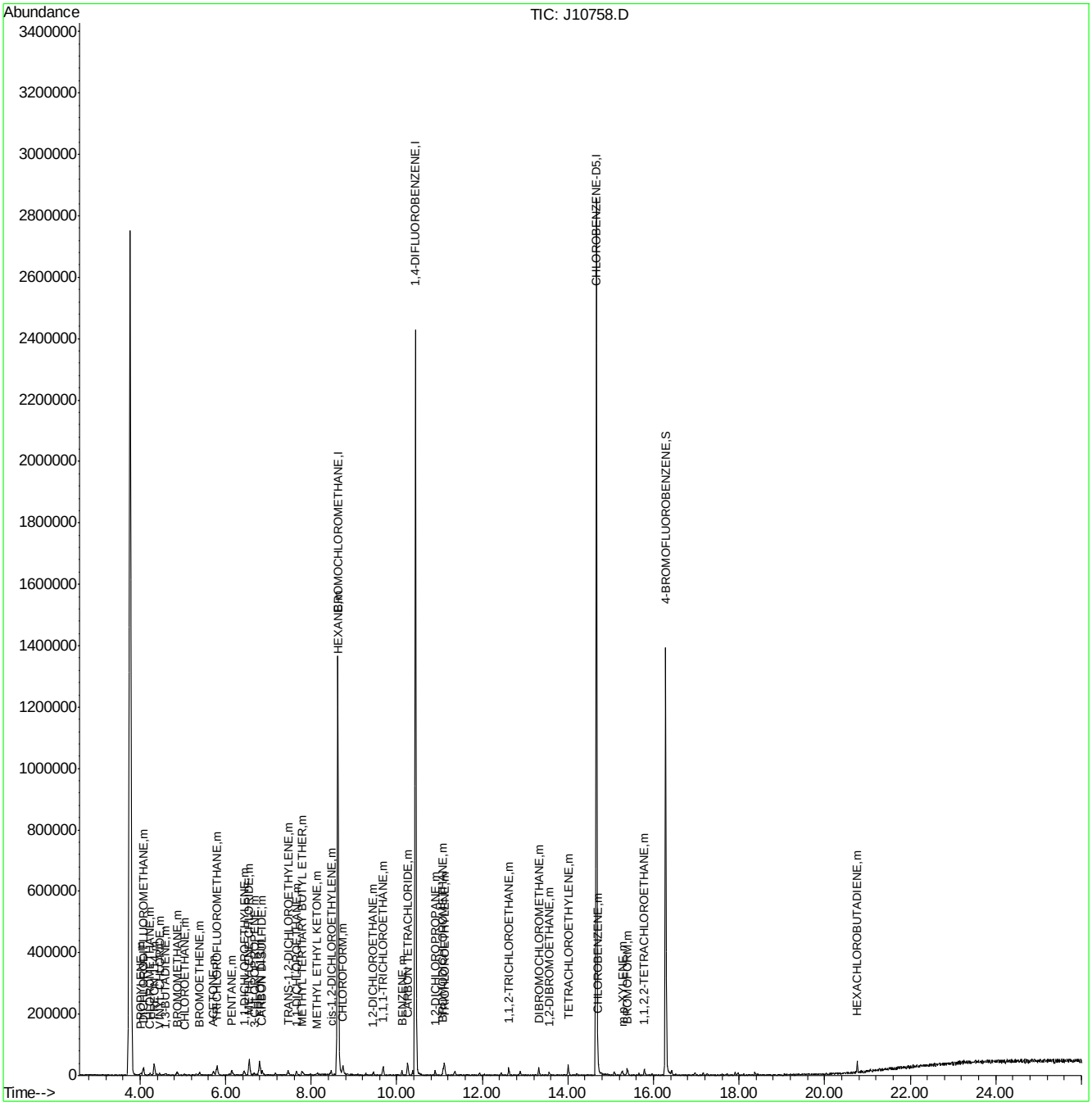
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quantitation Report (QT Reviewed)

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

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

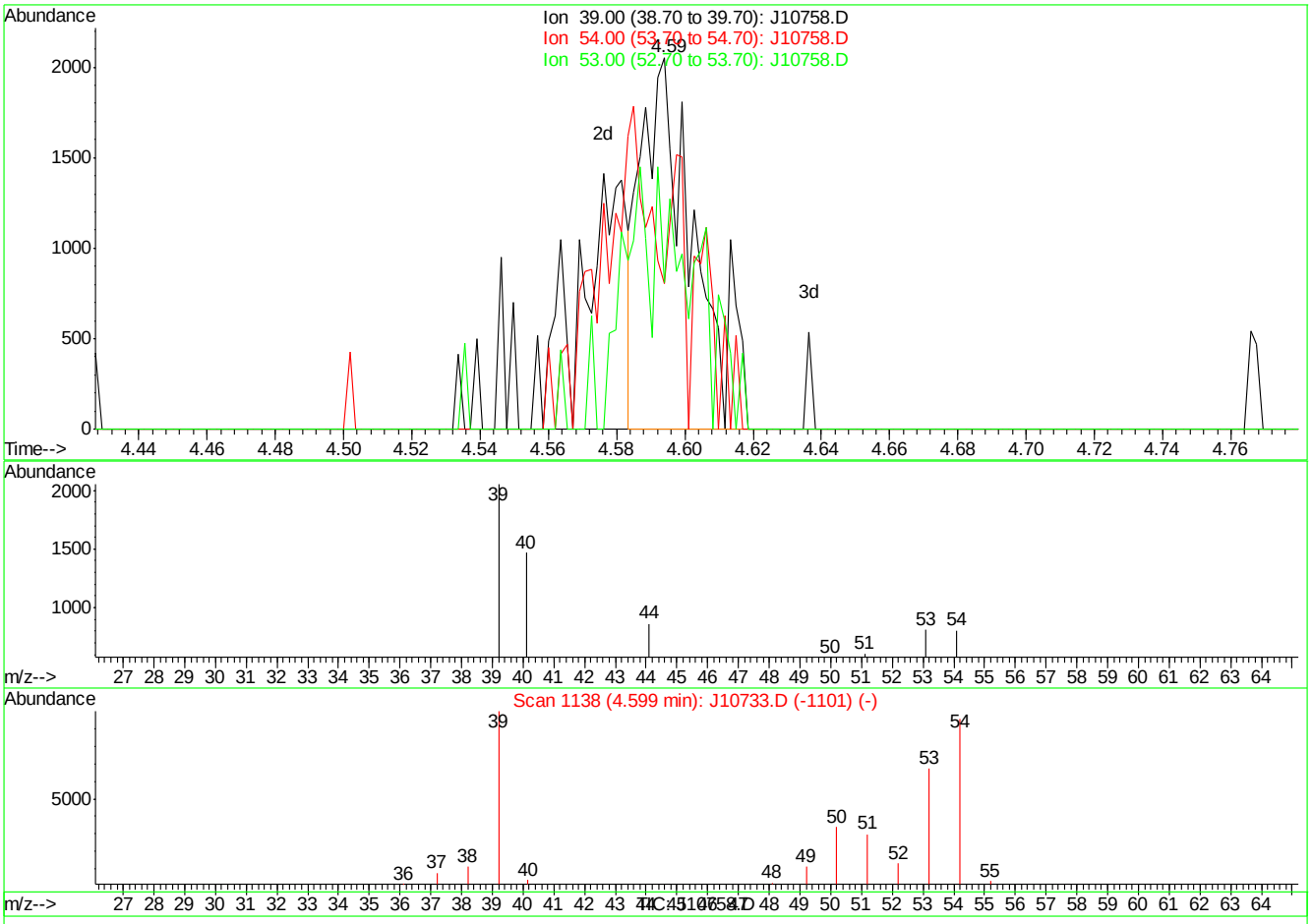


Quantitation Report (Qedit)

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

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

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



(7) 1,3-BUTADIENE (m)

4.59min 0.10PPBV

response 2273

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

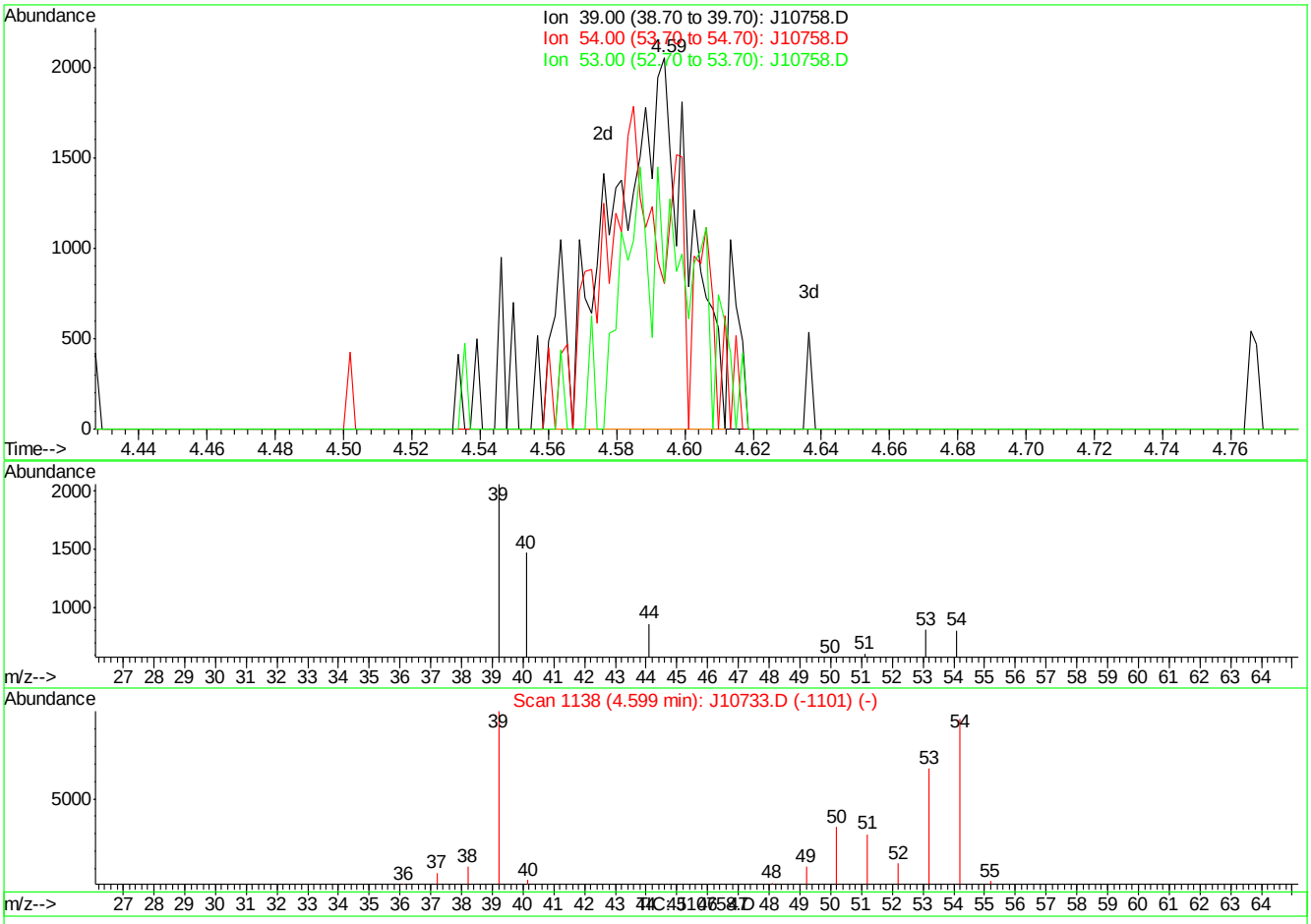
J10758.D J062507T.M Mon Jun 25 11:49:01 2007

Quantitation Report (Qedit)

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

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

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



(7) 1,3-BUTADIENE (m)

4.59min 0.14PPBV m

response 3392

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

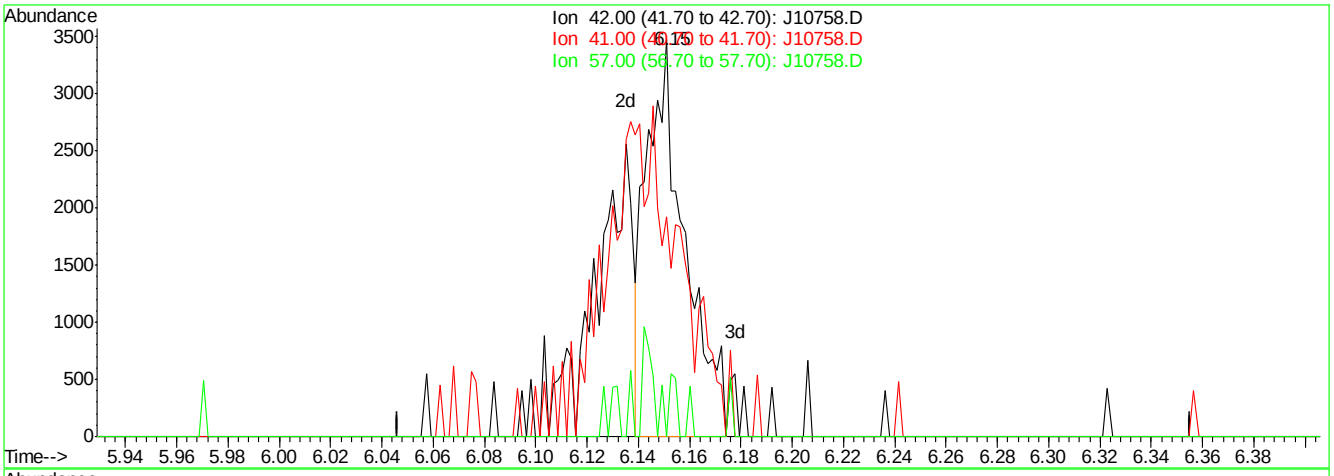
J10758.D J062507T.M Mon Jun 25 11:49:09 2007

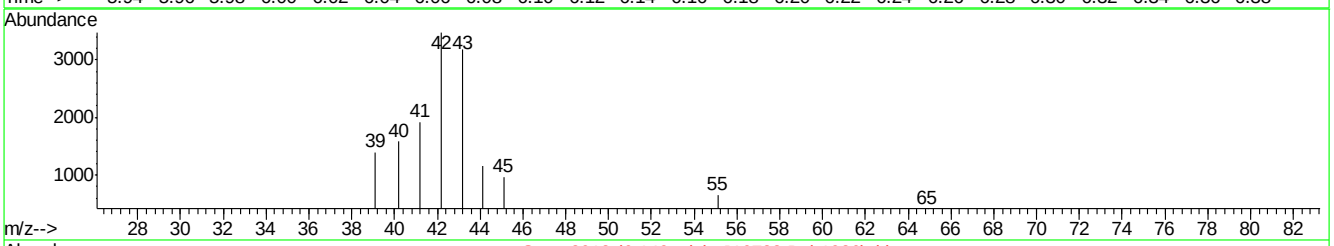
Quantitation Report (Qedit)

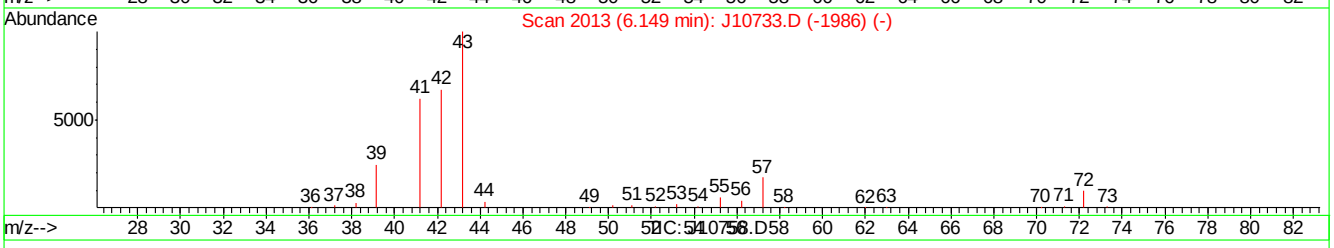
Data File : C:\MSDChem\1\data\J10758.D Vial: 2
Acq On : 25 Jun 2007 11:05 am Operator: danat
Sample : ic557-0.2 (m141) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

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







(13) PENTANE (m)

6.15min 0.12PPBV

response 3605

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

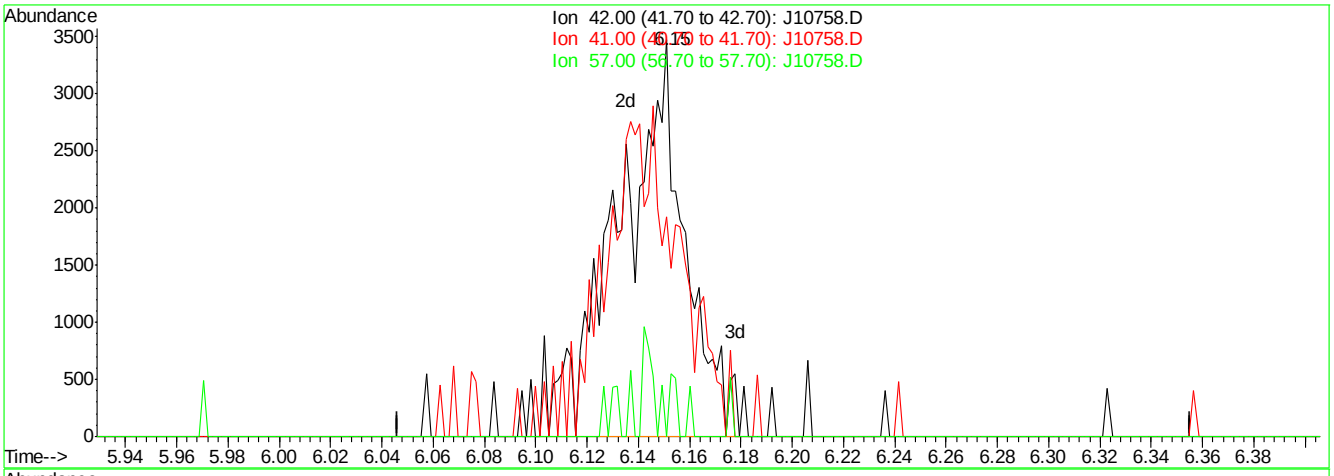
J10758.D J062507T.M Mon Jun 25 11:49:31 2007

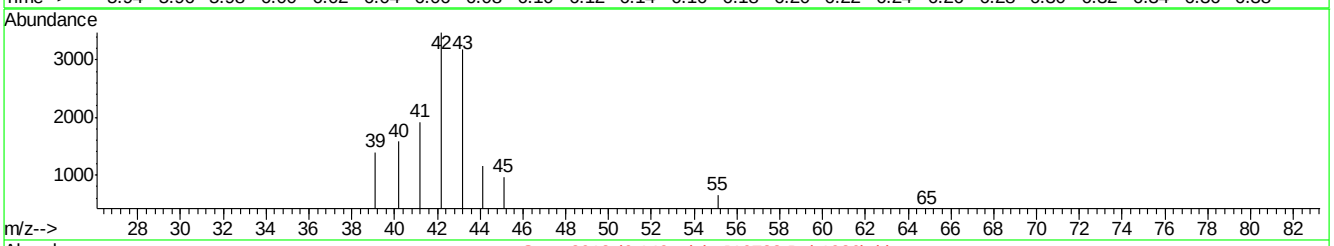
Quantitation Report (Qedit)

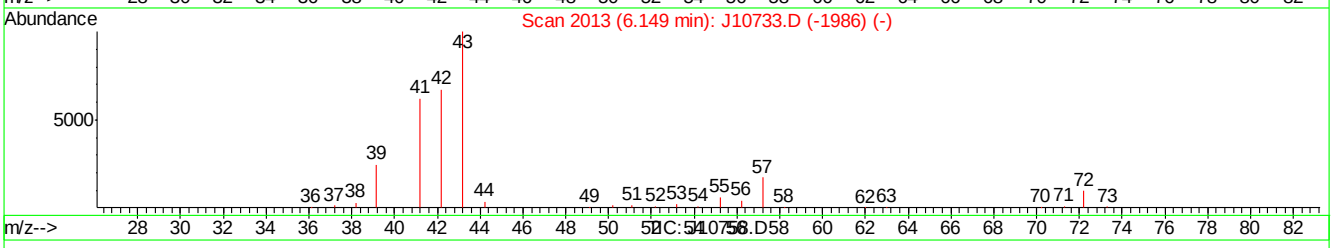
Data File : C:\MSDChem\1\data\J10758.D Vial: 2
Acq On : 25 Jun 2007 11:05 am Operator: danat
Sample : ic557-0.2 (m141) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

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







(13) PENTANE (m)

6.15min 0.22PPBV m

response 6321

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

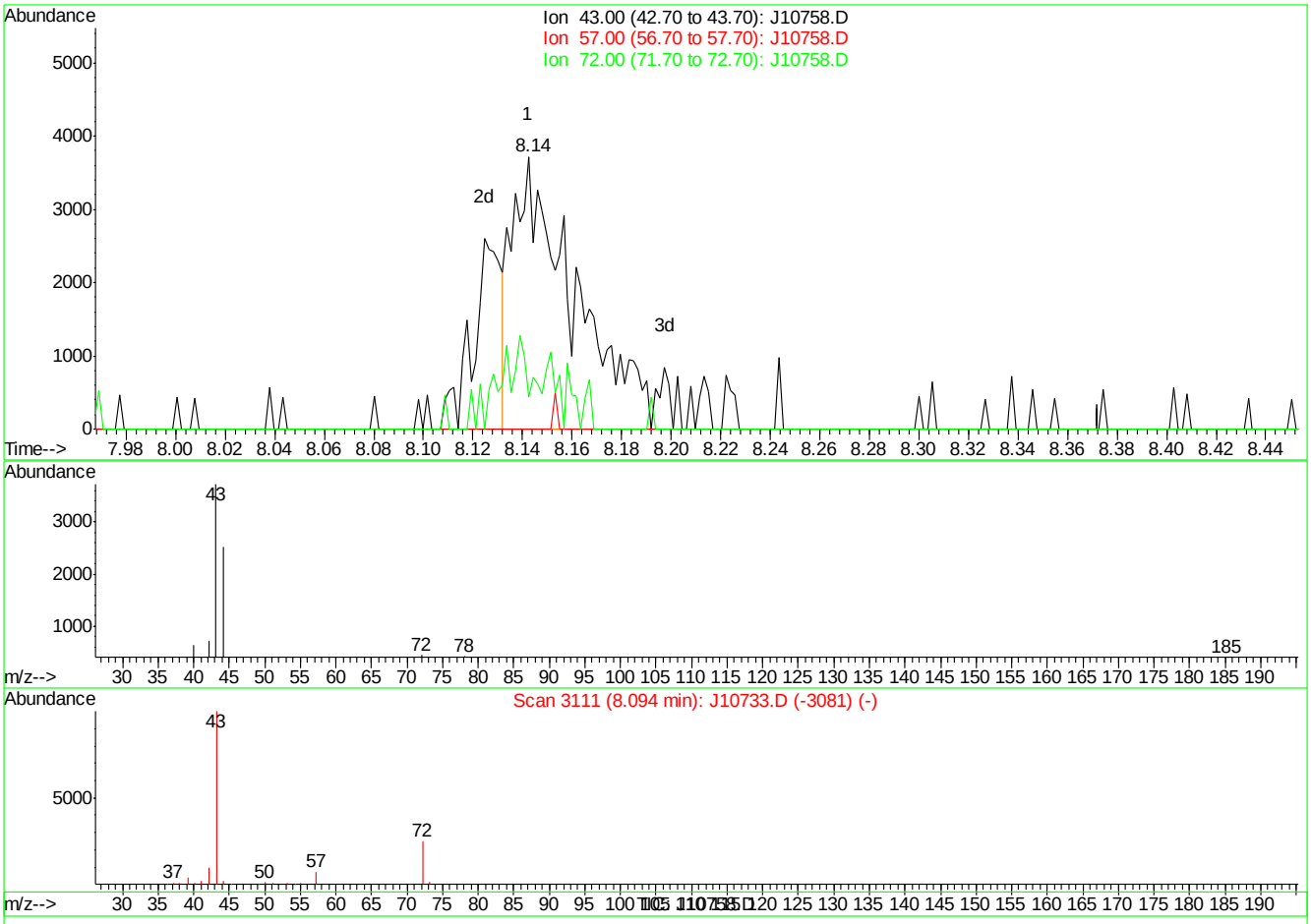
J10758.D J062507T.M Mon Jun 25 11:49:39 2007

Quantitation Report (Qedit)

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

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

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



(28) METHYL ETHYL KETONE (m)

8.14min 0.12PPBV

response 6487

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

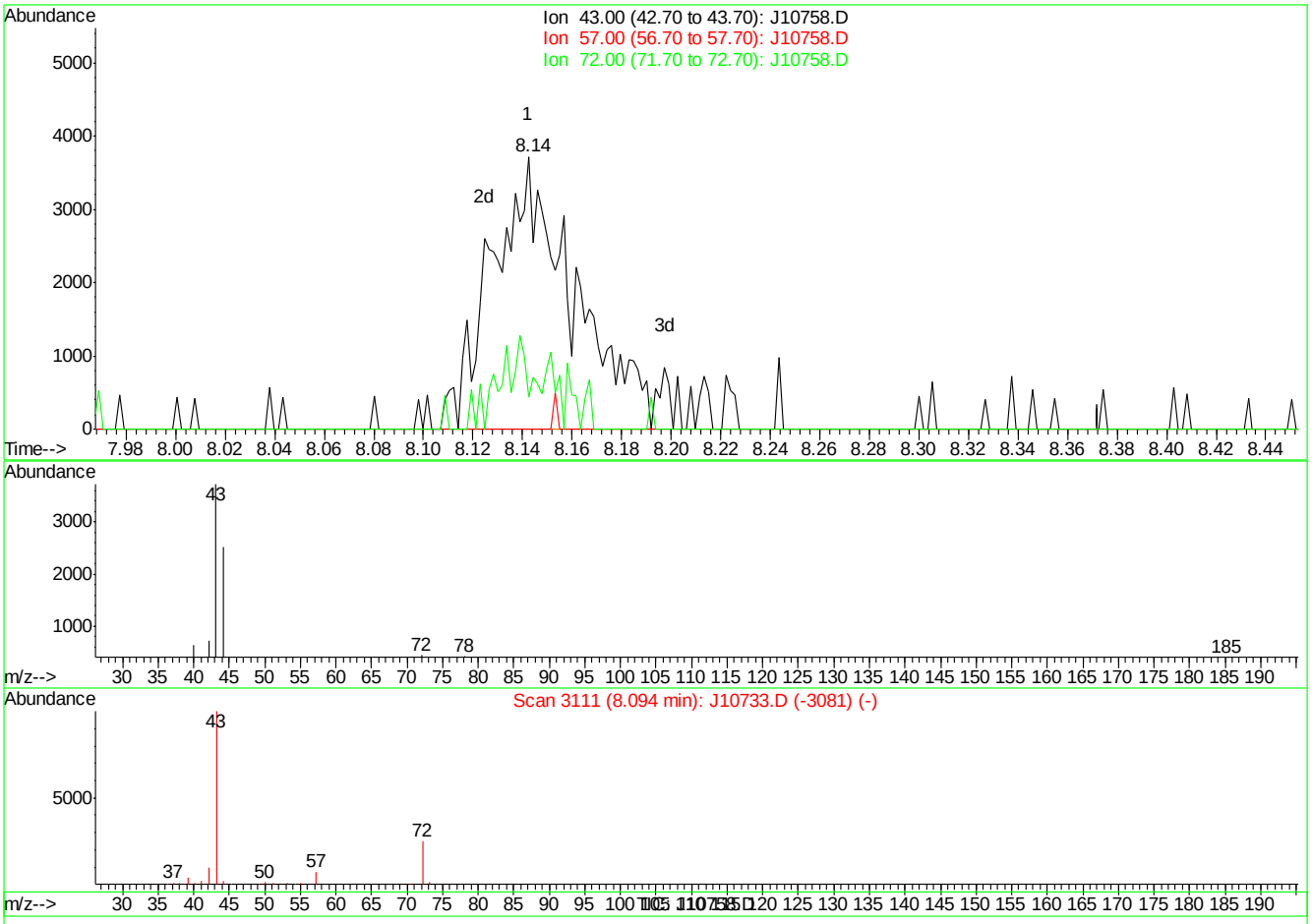
J10758.D J062507T.M Mon Jun 25 11:50:19 2007

Quantitation Report (Qedit)

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

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

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



(28) METHYL ETHYL KETONE (m)

8.14min 0.16PPBV m

response 8365

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

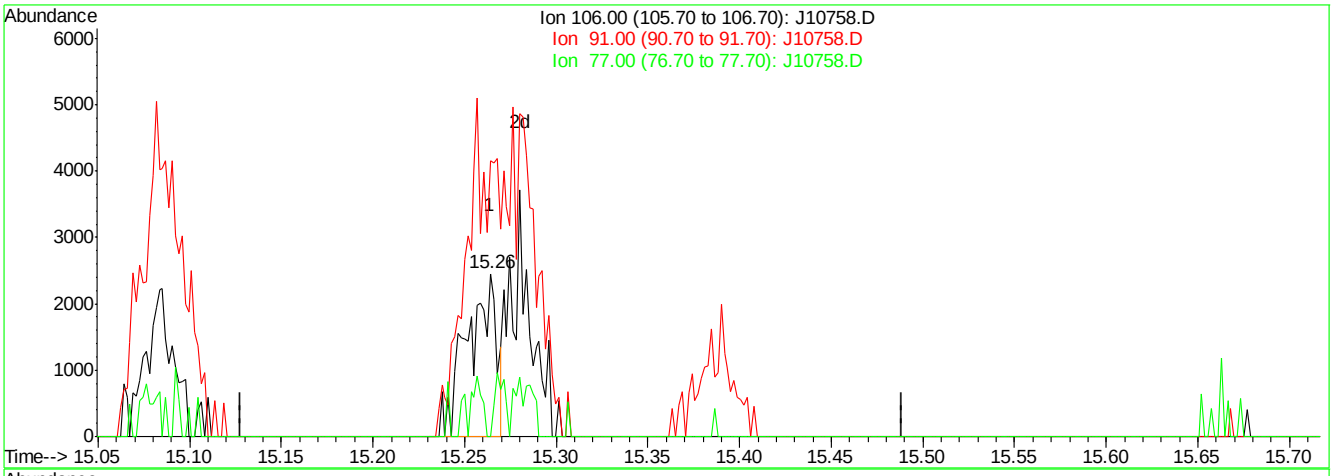
J10758.D J062507T.M Mon Jun 25 11:50:25 2007

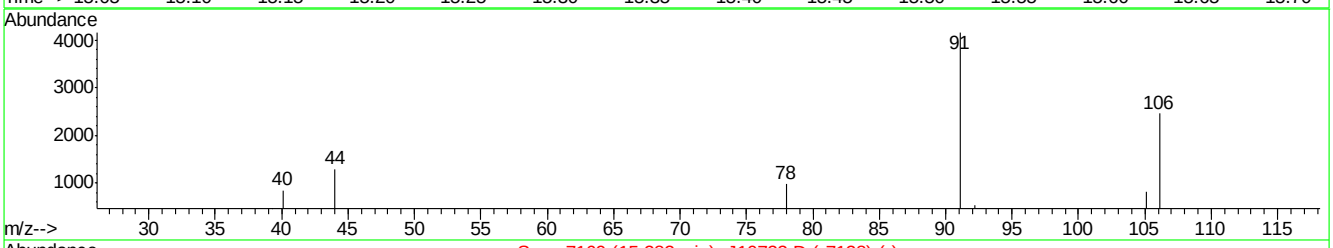
Quantitation Report (Qedit)

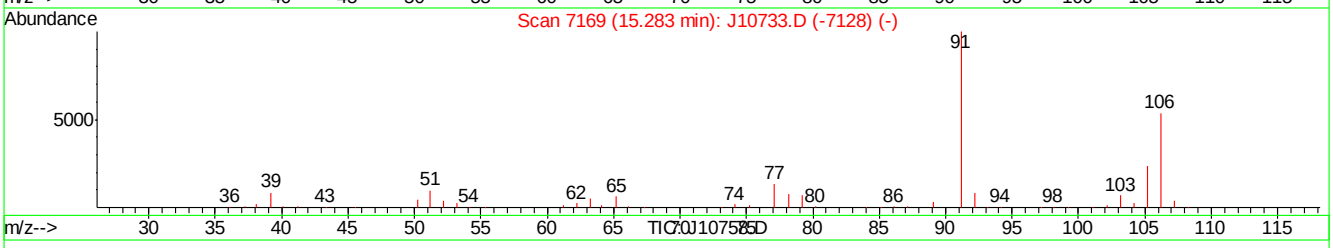
Data File : C:\MSDChem\1\data\J10758.D Vial: 2
Acq On : 25 Jun 2007 11:05 am Operator: danat
Sample : ic557-0.2 (m141) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

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







(56) m,p-XYLENE (m)

15.26min 0.06PPBV

response 2674

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

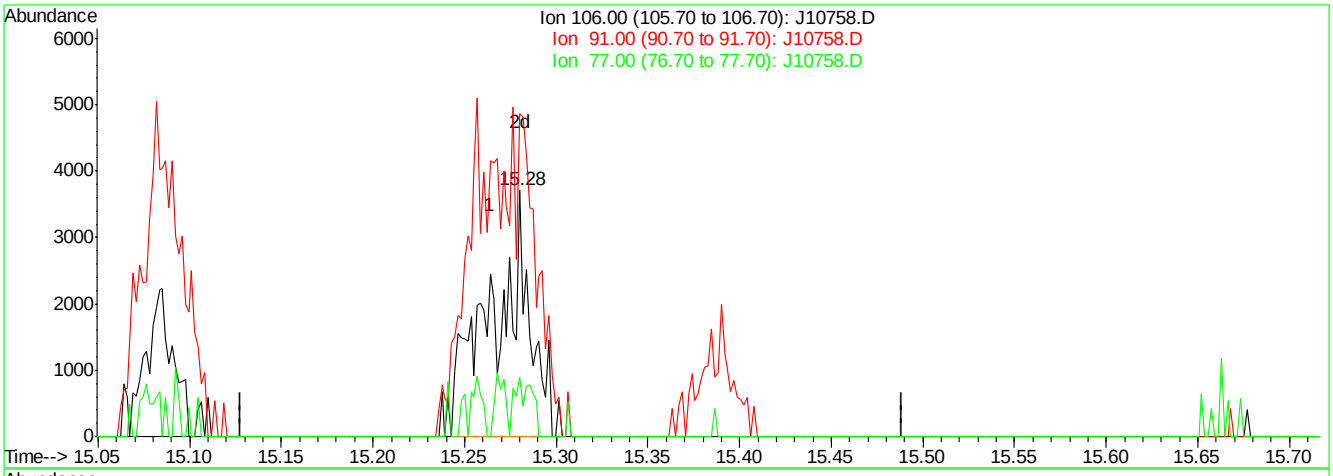
J10758.D J062507T.M Mon Jun 25 11:52:03 2007

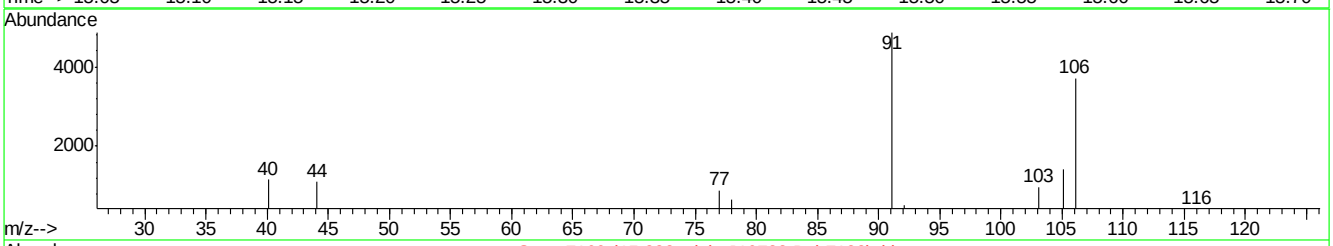
Quantitation Report (Qedit)

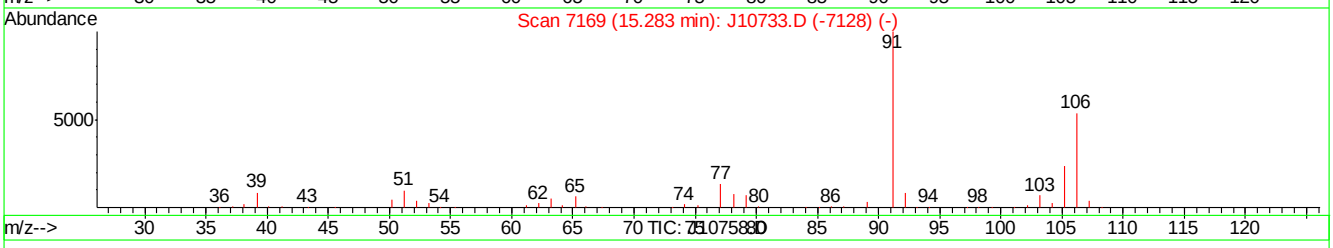
Data File : C:\MSDChem\1\data\J10758.D Vial: 2
Acq On : 25 Jun 2007 11:05 am Operator: danat
Sample : ic557-0.2 (m141) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

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







(56) m,p-XYLENE (m)

15.28min 0.11PPBV m

response 5280

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

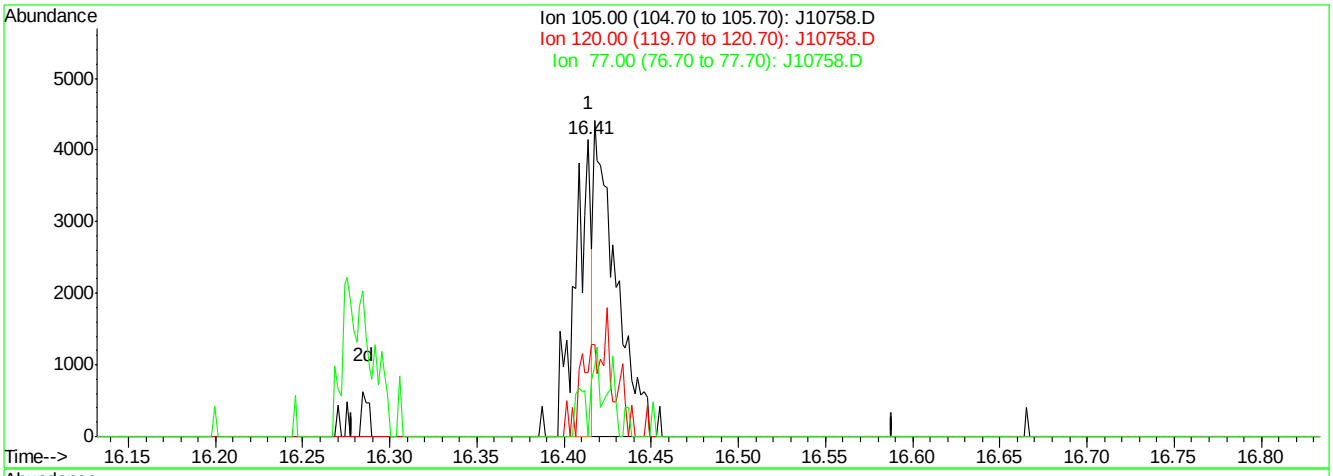
J10758.D J062507T.M Mon Jun 25 11:52:13 2007

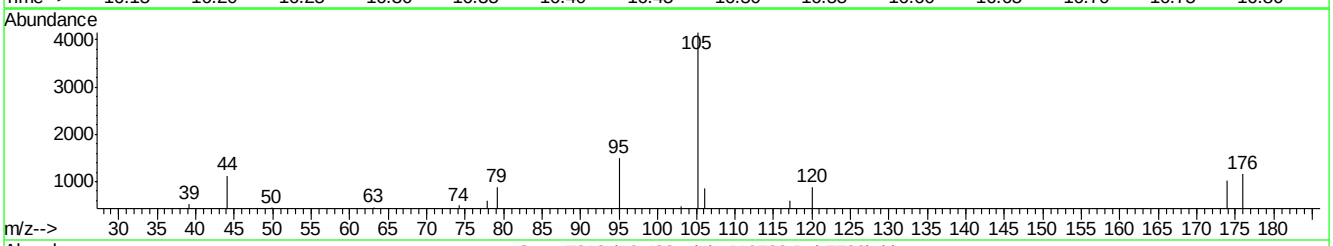
Quantitation Report (Qedit)

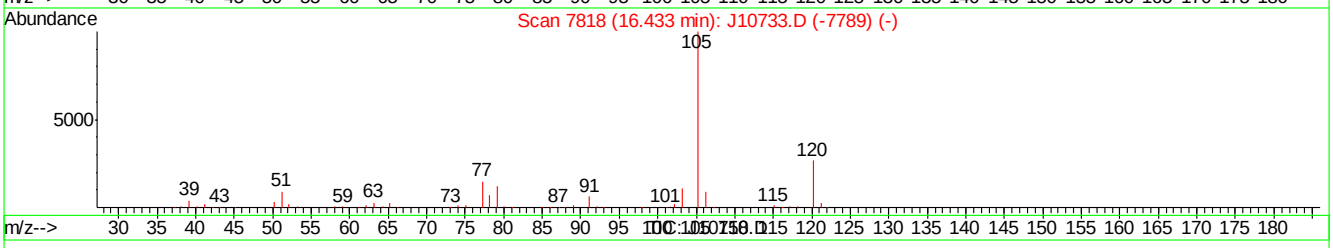
Data File : C:\MSDChem\1\data\J10758.D Vial: 2
Acq On : 25 Jun 2007 11:05 am Operator: danat
Sample : ic557-0.2 (m141) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

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







(63) ISOPROPYLBENZENE (m)

16.41min 0.02PPBV

response 2618

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

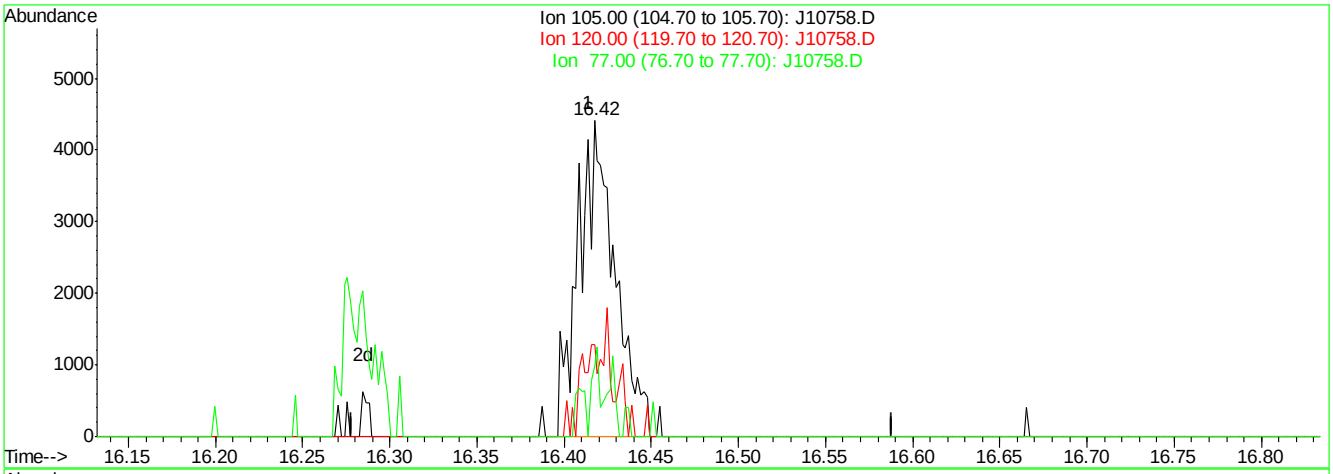
J10758.D J062507T.M Mon Jun 25 11:52:30 2007

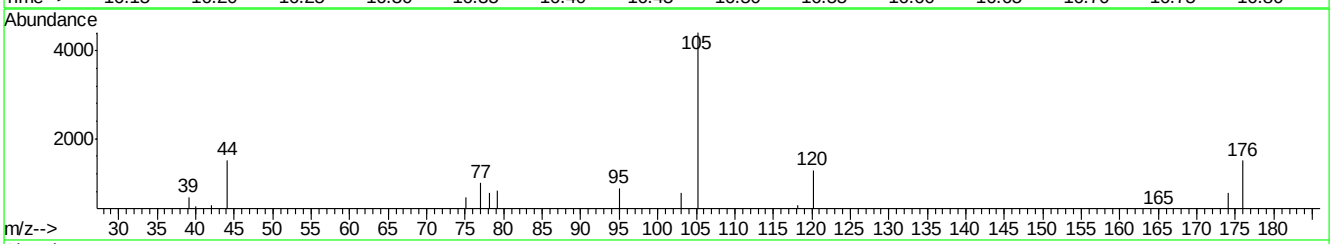
Quantitation Report (Qedit)

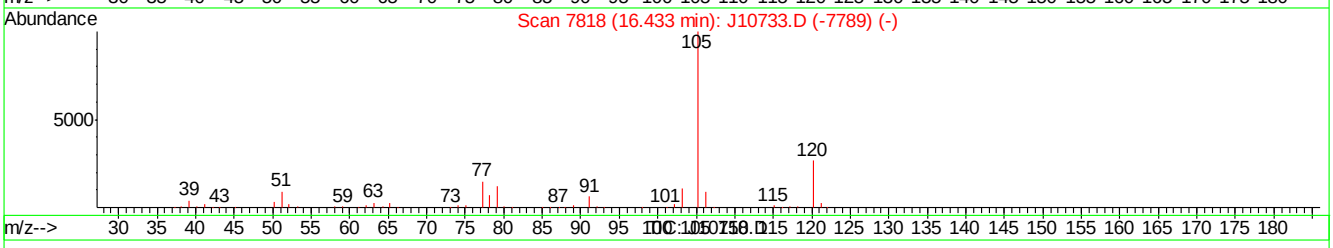
Data File : C:\MSDChem\1\data\J10758.D Vial: 2
Acq On : 25 Jun 2007 11:05 am Operator: danat
Sample : ic557-0.2 (m141) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

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







(63) ISOPROPYLBENZENE (m)

16.42min 0.04PPBV m

response 6411

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

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

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

Quantitation Report (QT Reviewed)

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

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

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

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.32	95	679558	5.88	PPBV	0.02

Spiked Amount 5.000 Range 51 - 142 Recovery = 117.60%

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

Quantitation Report (QT Reviewed)

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

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

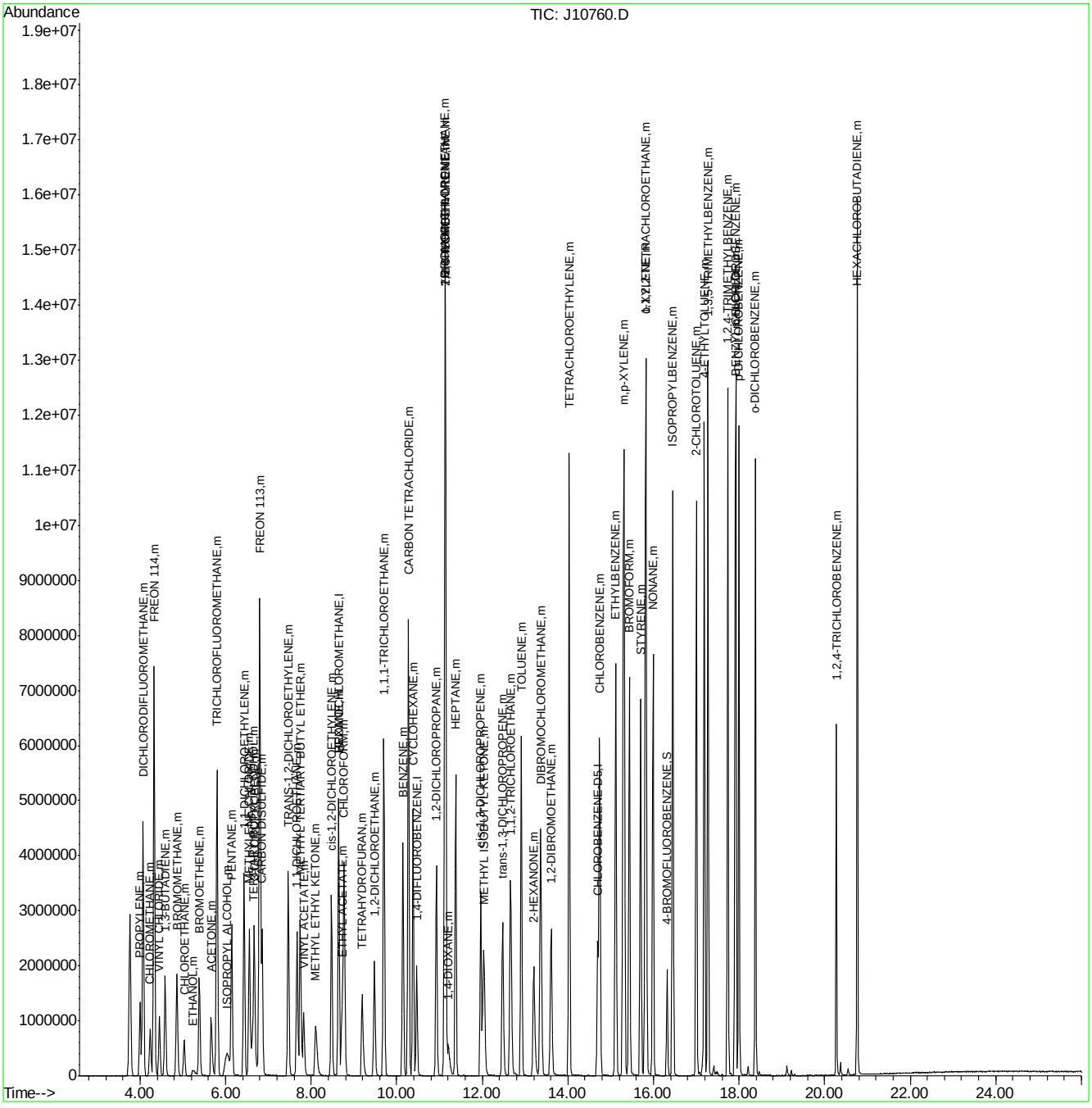
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.03	43	2669104	45.25 PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.96	75	2235612	44.72 PPBV	97
46) TOLUENE	12.91	92	3175409	48.29 PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.47	75	2268217	47.63 PPBV #	76
48) 1,1,2-TRICHLOROETHANE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

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

Quantitation Report (QT Reviewed)

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

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

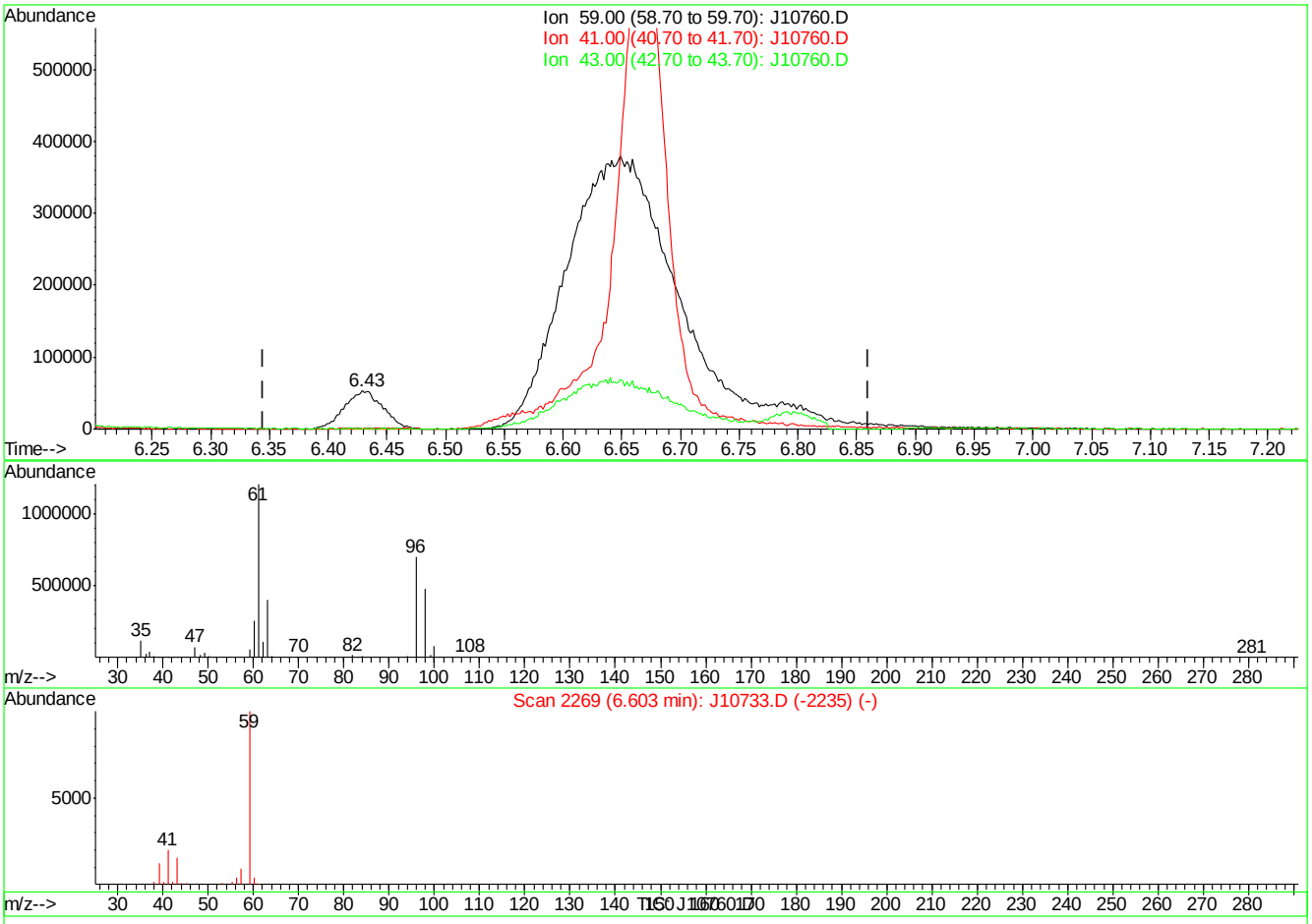


Quantitation Report (Qedit)

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

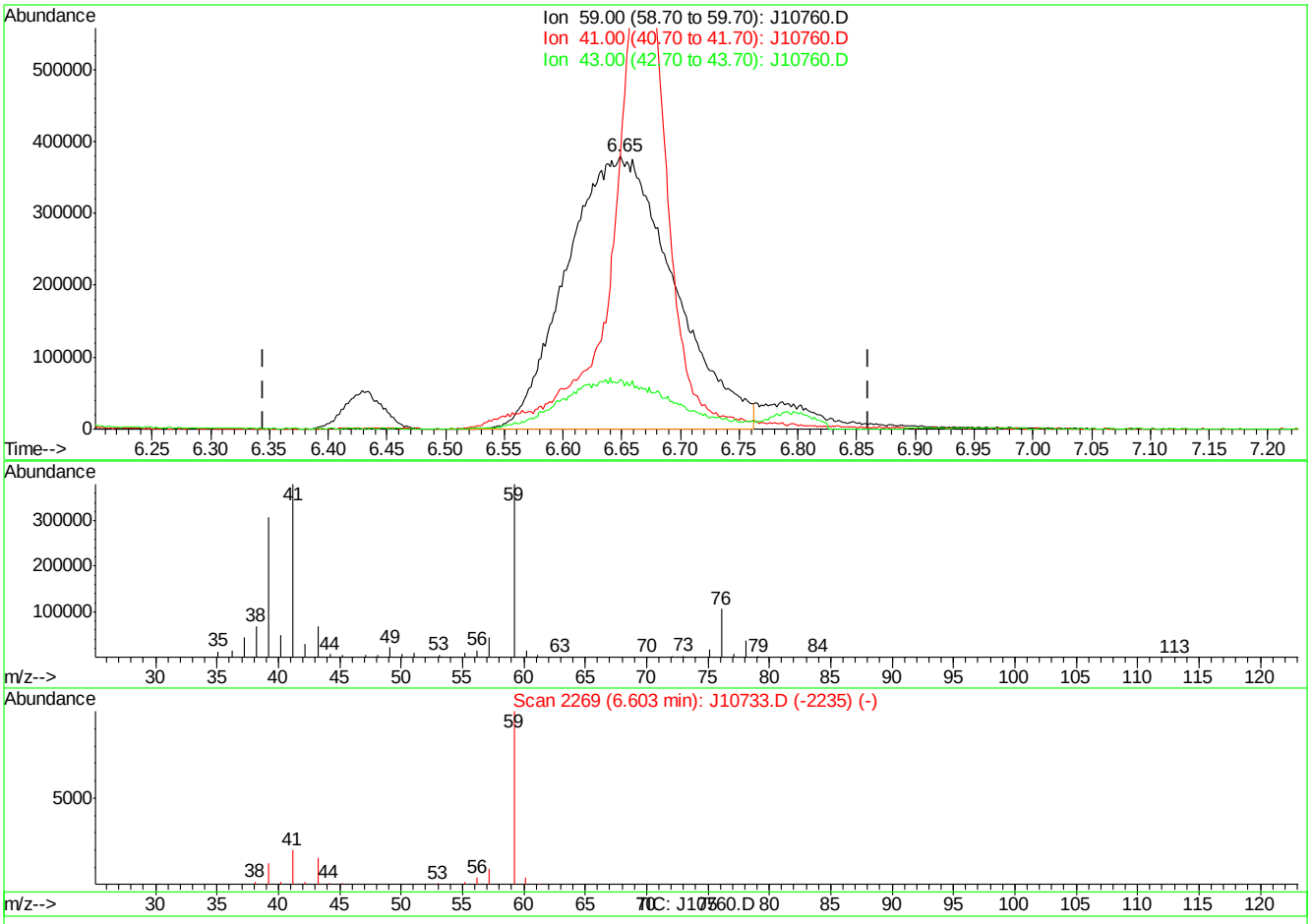
J10760.D J062507T.M Mon Jun 25 13:10:10 2007

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

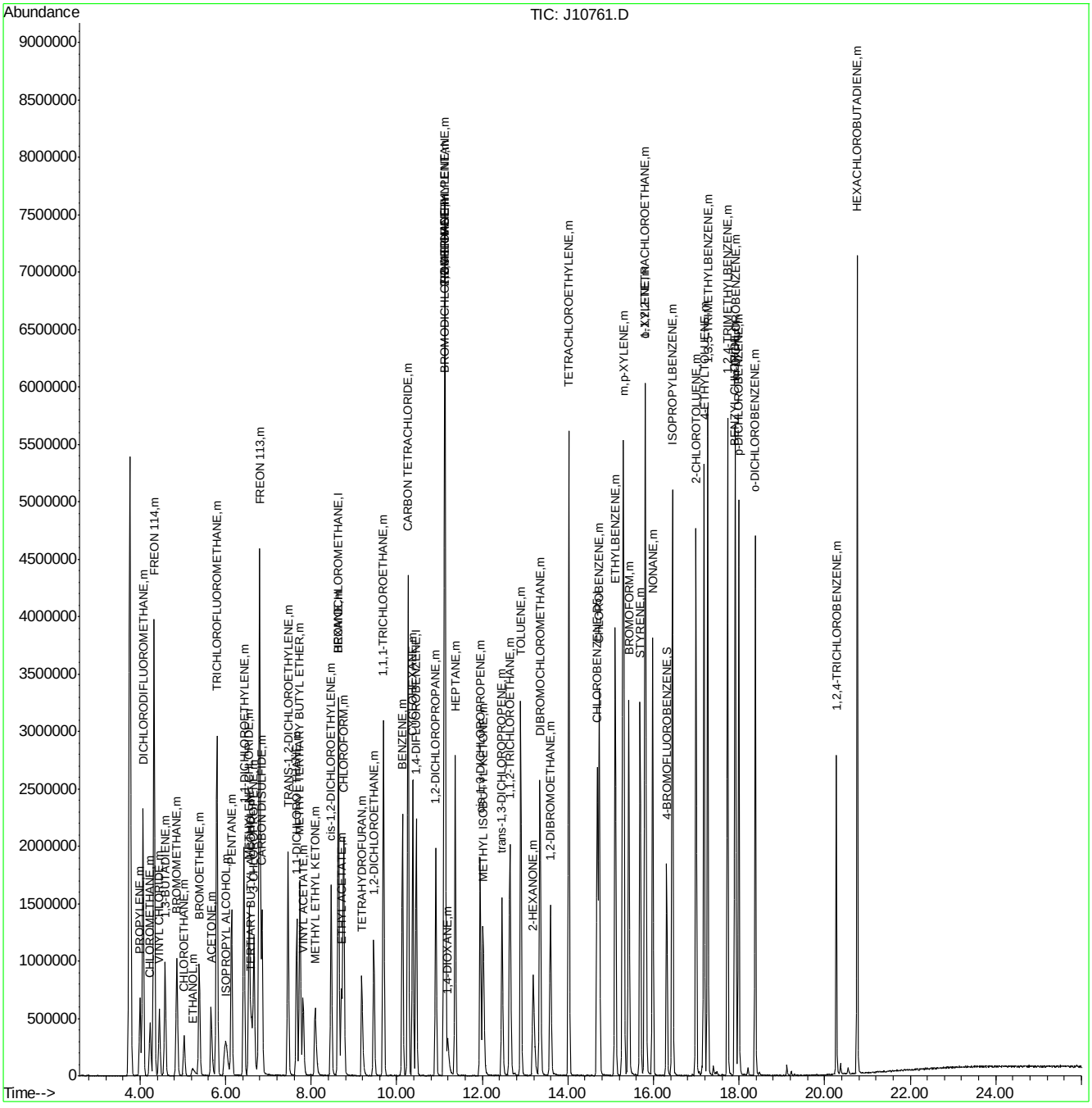
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.01	43	1328709	20.79	PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.95	75	1134927	20.95	PPBV	99
46) TOLUENE	12.90	92	1555485	21.83	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.46	75	1116511	21.64	PPBV	100
48) 1,1,2-TRICHLOROETHANE	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 M66976

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

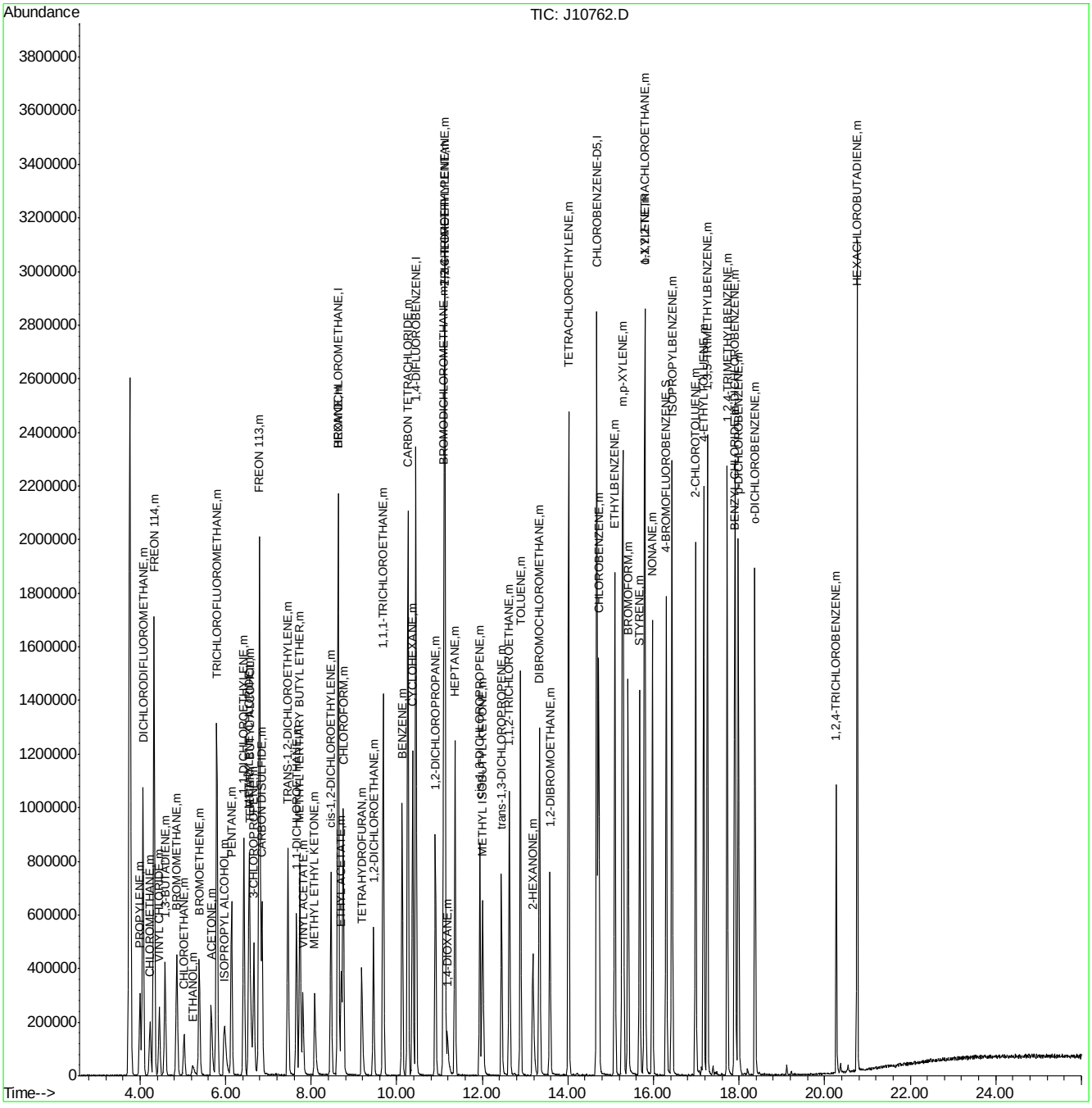
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.00	43	539564	8.93	PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.94	75	453130	10.63	PPBV	99
46) TOLUENE	12.89	92	629342	10.15	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.45	75	434192	10.90	PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.63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

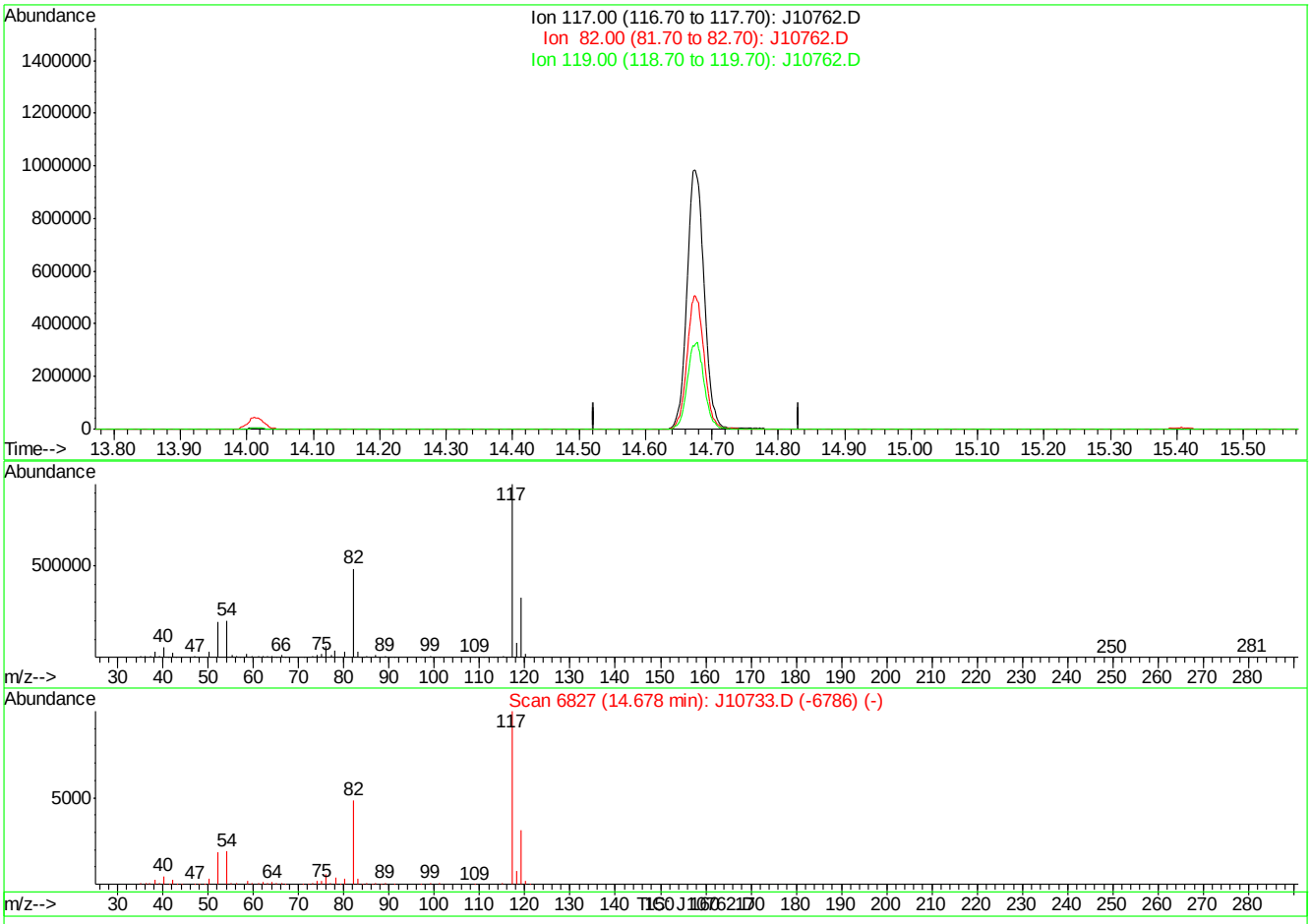


Quantitation Report (Qedit)

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

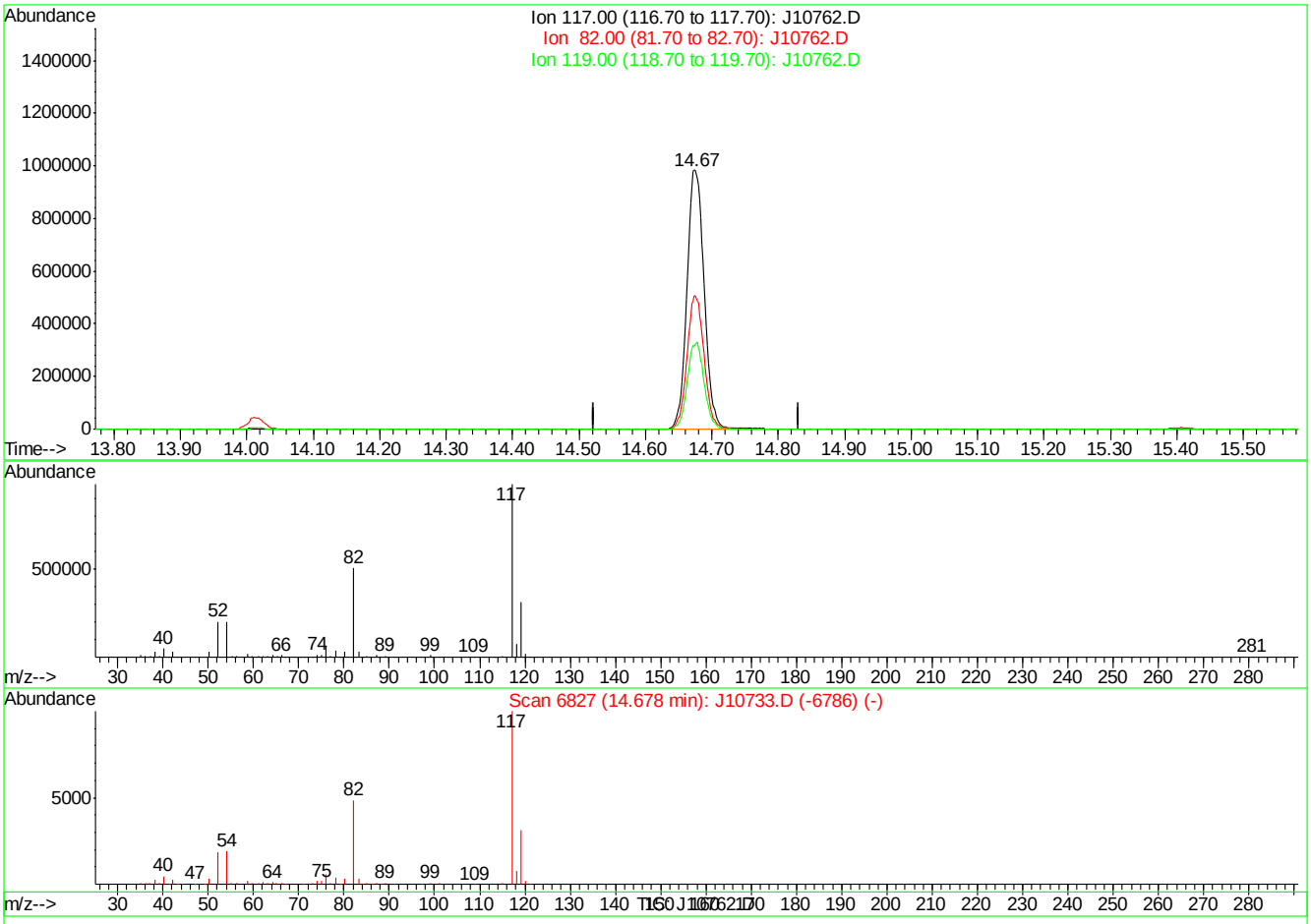
J10762.D J062507T.M Mon Jun 25 15:23:01 2007

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

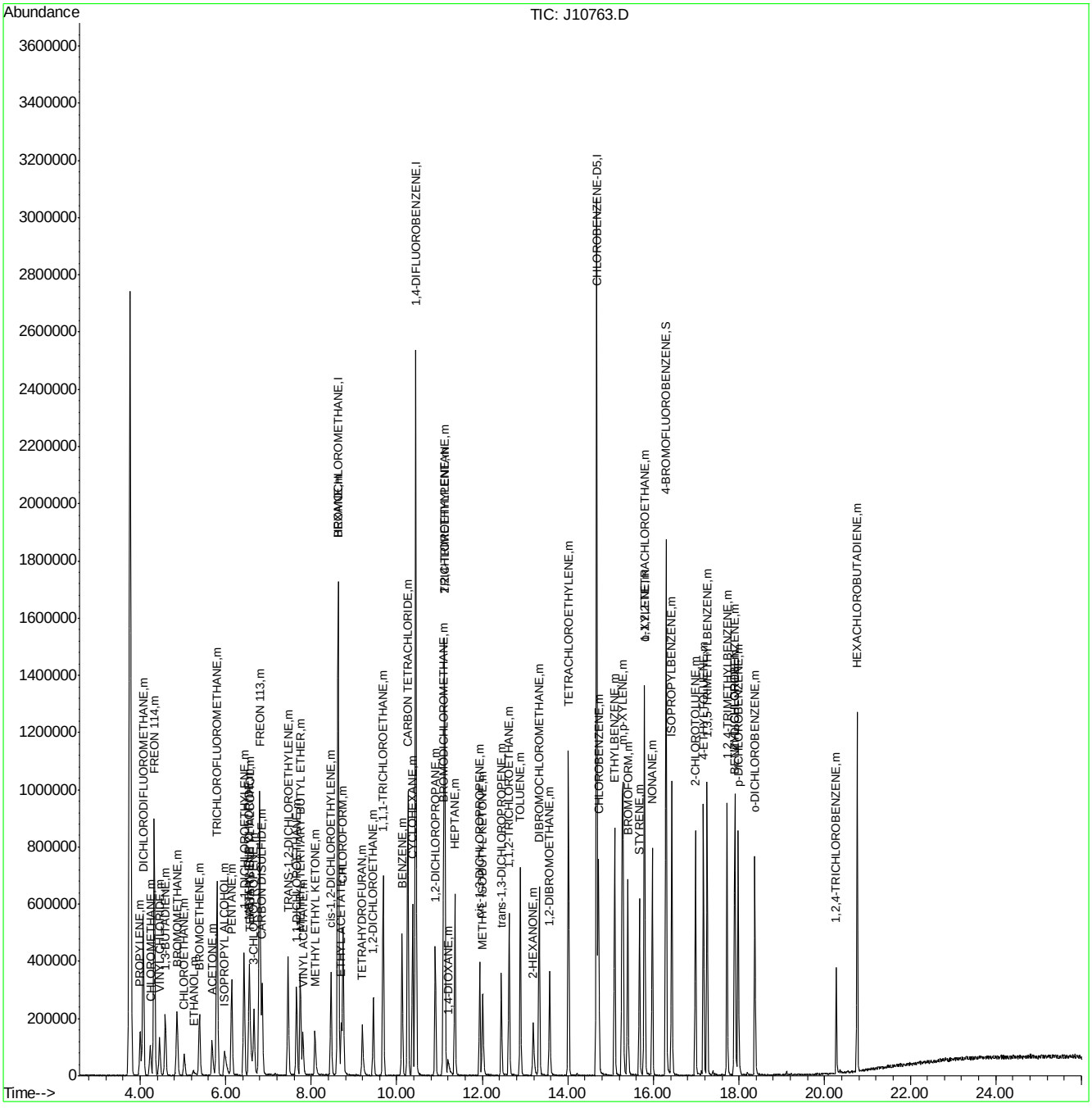
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.01	43	211276	3.49	PPBV	99
45) cis-1,3-DICHLOROPROPENE	11.94	75	196043	4.41	PPBV	98
46) TOLUENE	12.89	92	283875	4.43	PPBV	98
47) trans-1,3-DICHLOROPROPENE	12.44	75	185278	4.43	PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.63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

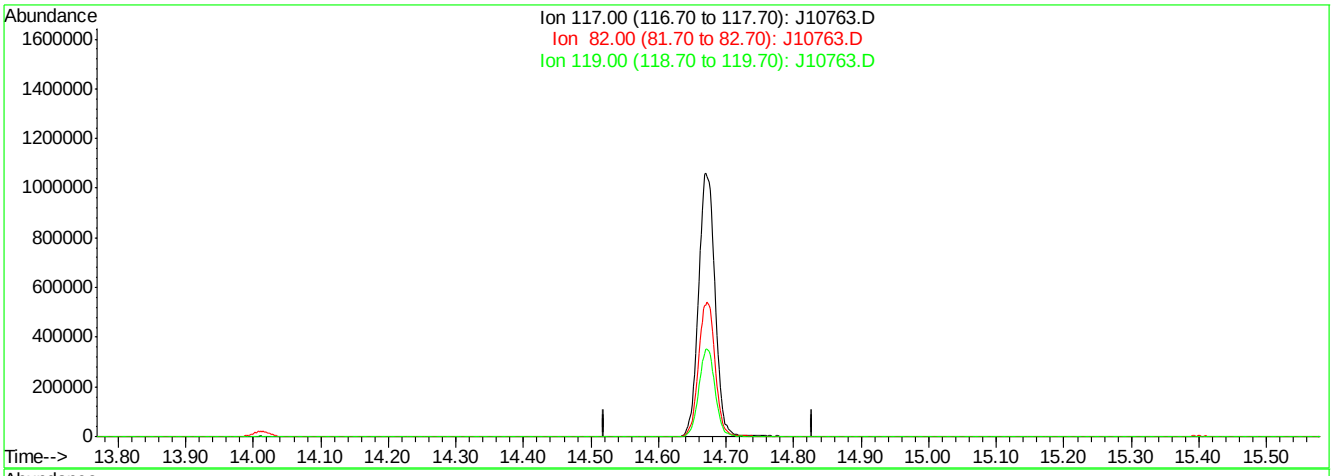


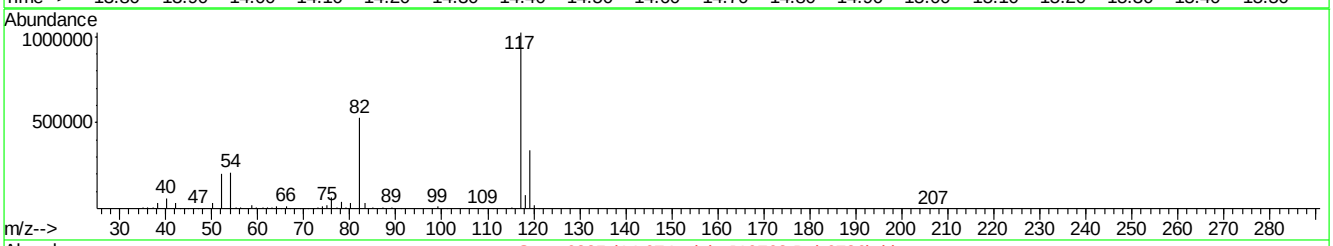
Quantitation Report (Qedit)

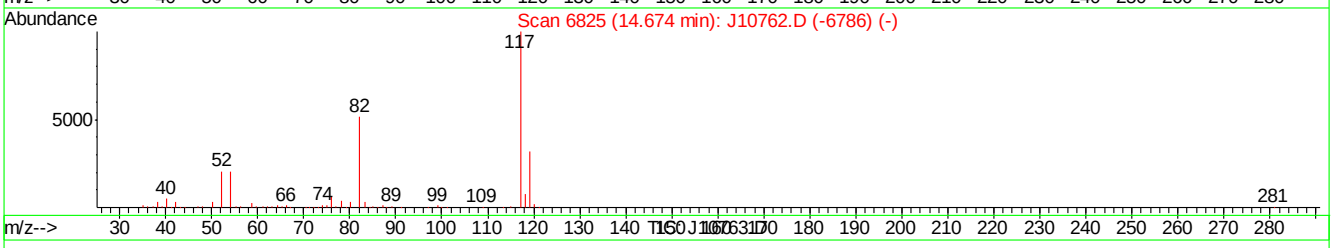
Data File : C:\MSDChem\1\data\J10763.D Vial: 3
Acq On : 25 Jun 2007 3:34 pm Operator: danat
Sample : ic557-5 (m172) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

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







(49) CHLOROBENZENE-D5 (I)

14.67min 0.00PPBV

response 0

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

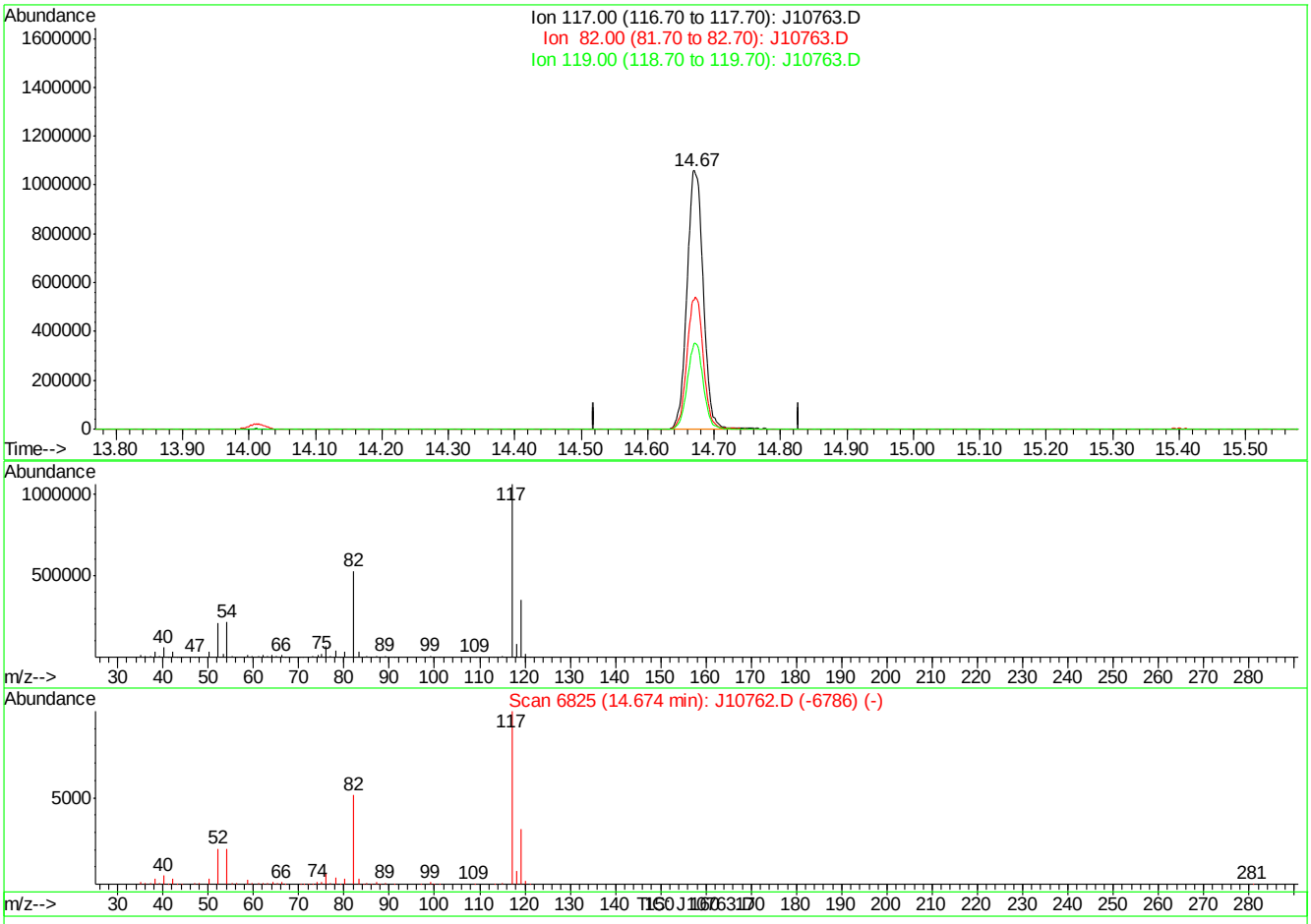
J10763.D J062507T.M Mon Jun 25 16:23:06 2007

Quantitation Report (Qedit)

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

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

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



(49) CHLOROBENZENE-D5 (I)

14.67min 10.00PPBV m

response 1791020

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

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

Quantitation Report (QT Reviewed)

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

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

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

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.29	95	556279	5.17	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 103.40%

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

Quantitation Report (QT Reviewed)

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

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

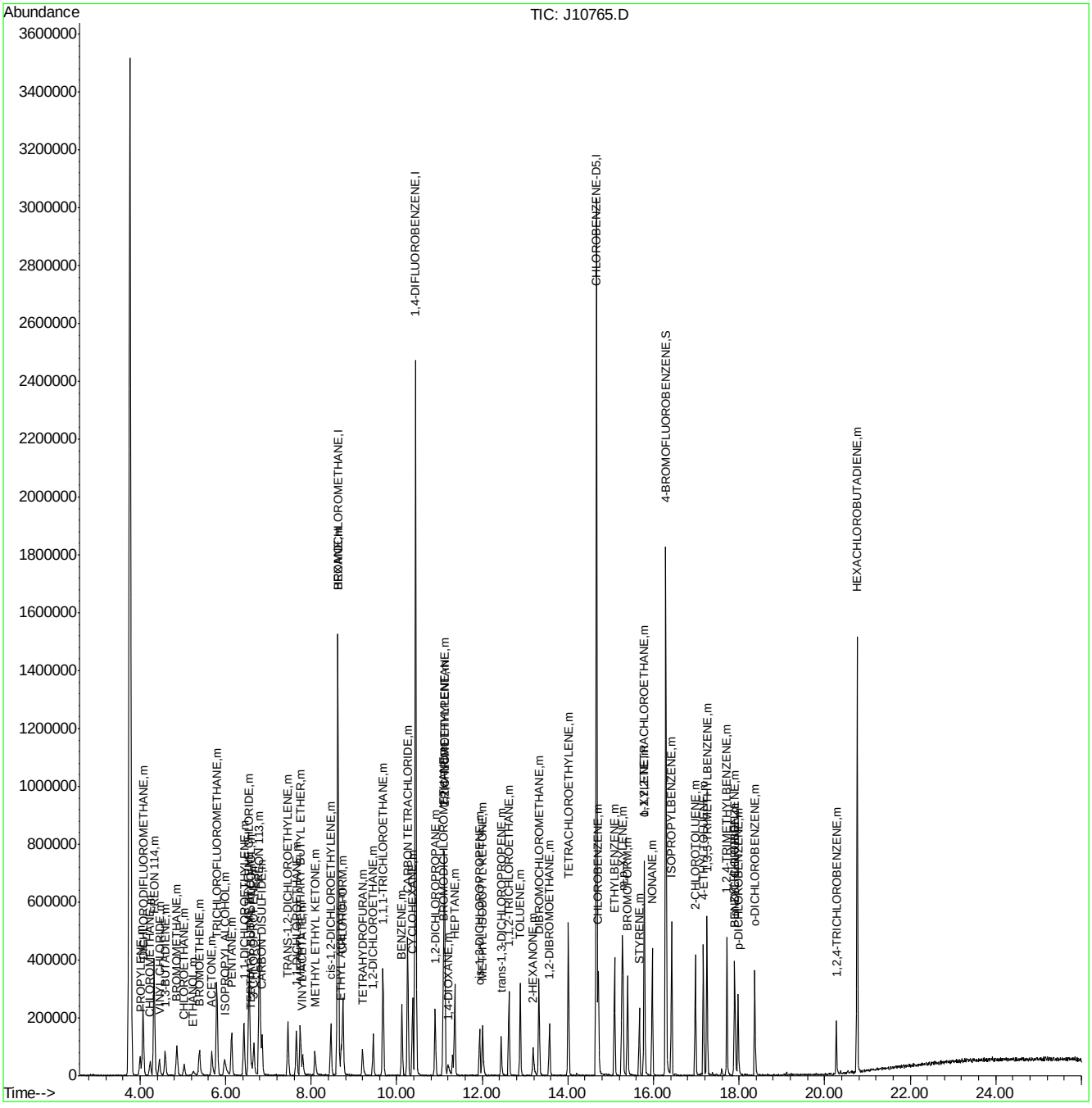
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.00	43	114732	2.11	PPBV	96
45) cis-1,3-DICHLOROPROPENE	11.94	75	78476	2.34	PPBV	98
46) TOLUENE	12.88	92	121156	2.03	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.44	75	66797	2.34	PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.62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

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

Quantitation Report (QT Reviewed)

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

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



Quantitation Report (QT Reviewed)

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

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

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

Quantitation Report (QT Reviewed)

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

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

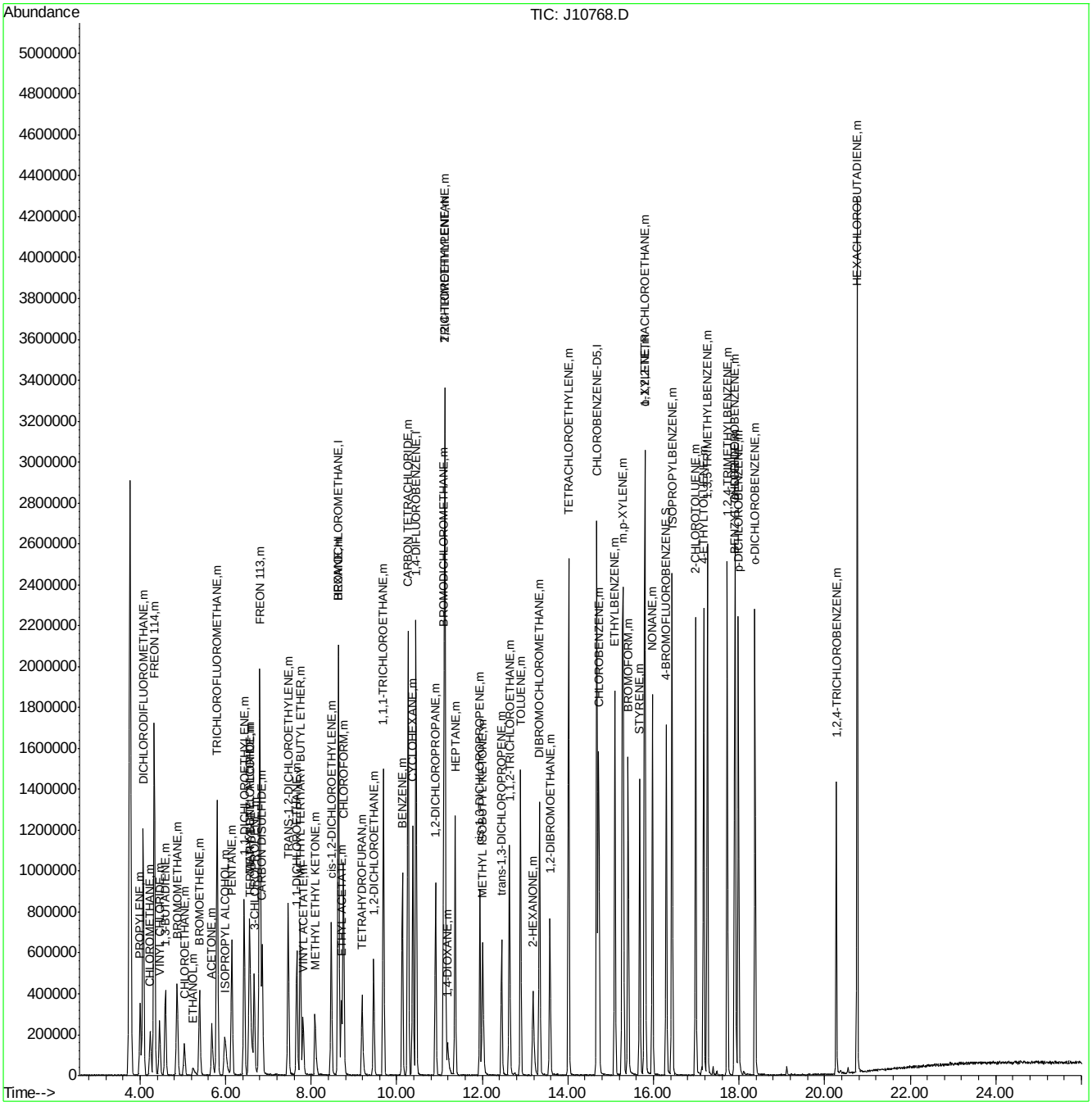
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.01	43	525462	10.45	PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.94	75	449981	9.40	PPBV	98
46) TOLUENE	12.89	92	607046	11.02	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.45	75	363600	8.70	PPBV	98
48) 1,1,2-TRICHLOROETHANE	12.63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

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

Quantitation Report (QT Reviewed)

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

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



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

Quantitation Report (QT Reviewed)

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

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.63	128	325534	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.45	114	1248606	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.68	117	1130914	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.30	95	388403	5.44	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 108.80%

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

Quantitation Report (QT Reviewed)

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

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

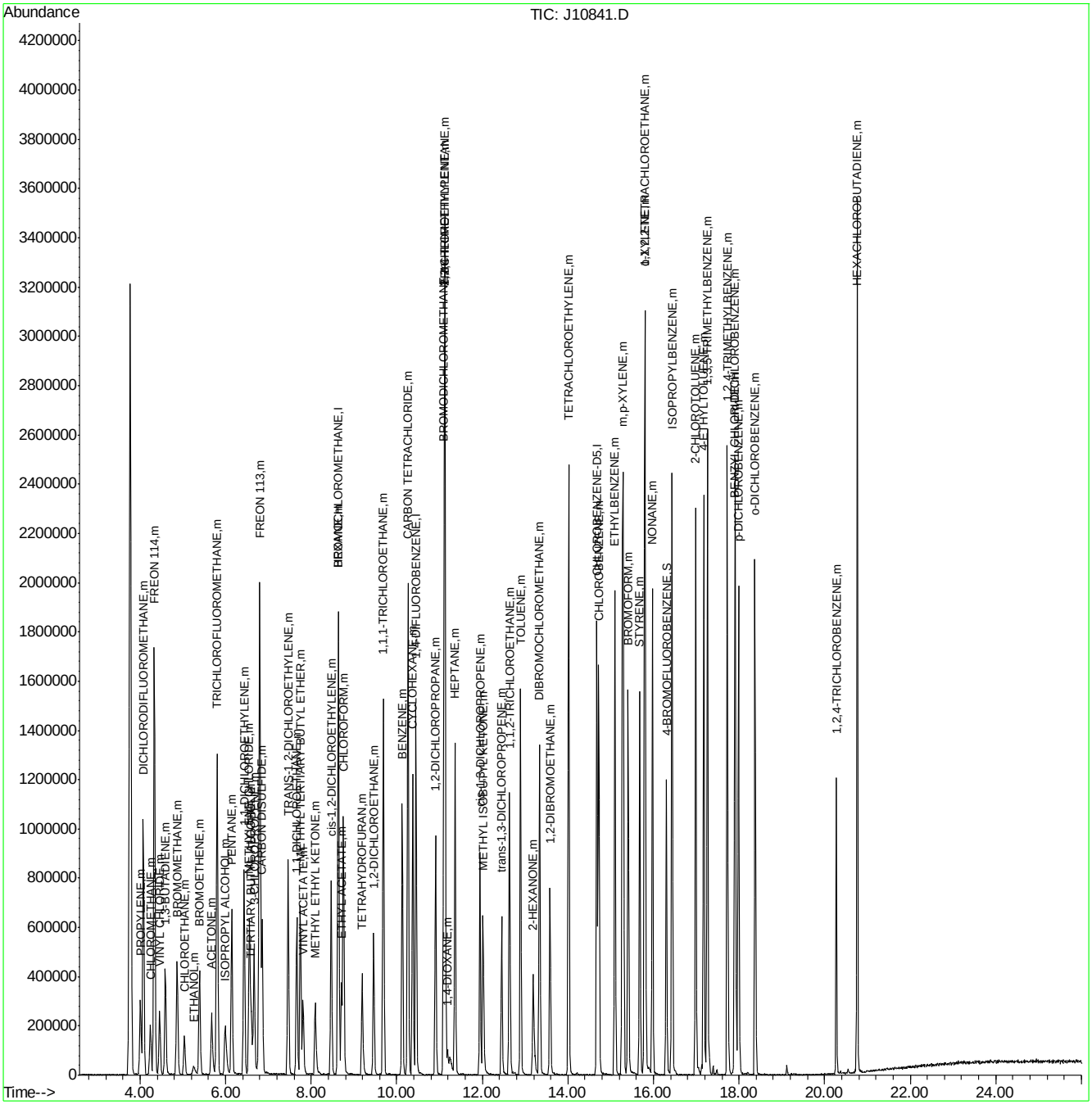
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.01	43	539941	15.25	PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.94	75	468418	13.44	PPBV	99
46) TOLUENE	12.89	92	670460	17.30	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.45	75	367062	10.82	PPBV	100
48) 1,1,2-TRICHLOROETHANE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

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

Quantitation Report (QT Reviewed)

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

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

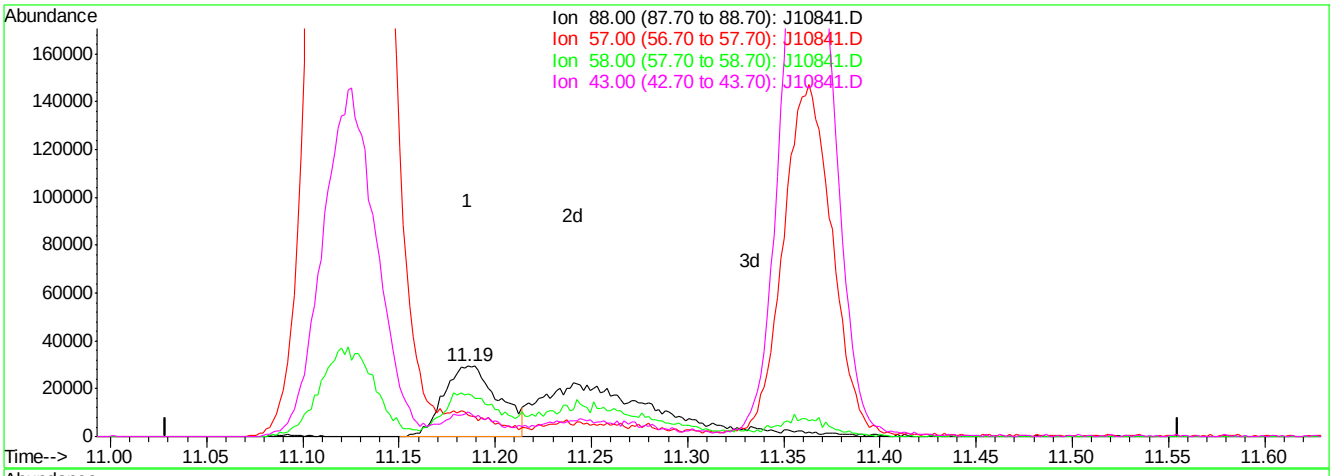


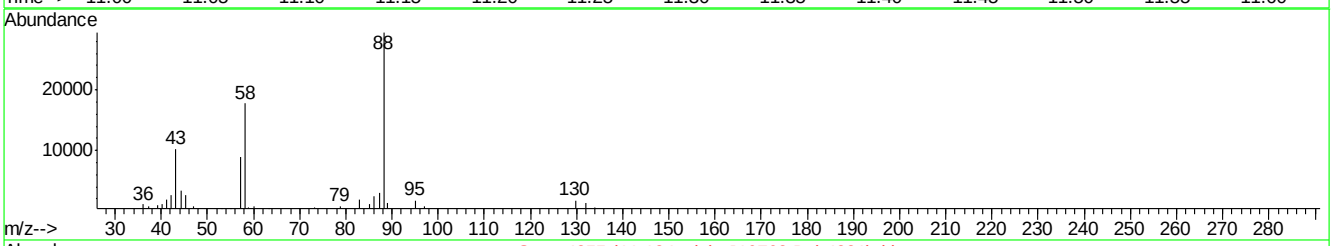
Quantitation Report (Qedit)

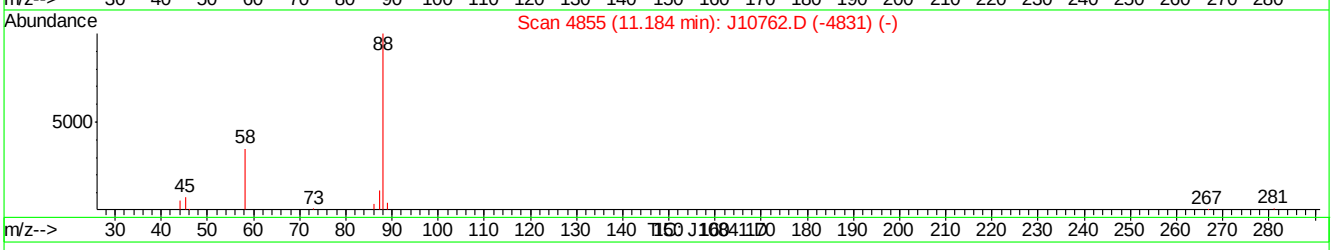
Data File : C:\MSDChem\1\data\J10841.D Vial: 1
Acq On : 3 Jul 2007 11:46 am Operator: danat
Sample : cc557-10 (M080) Inst : MSJ
Misc : MS13762, MSJ561,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

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







(42) 1,4-DIOXANE (m)

11.19min 5.35PPBV

response 58134

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

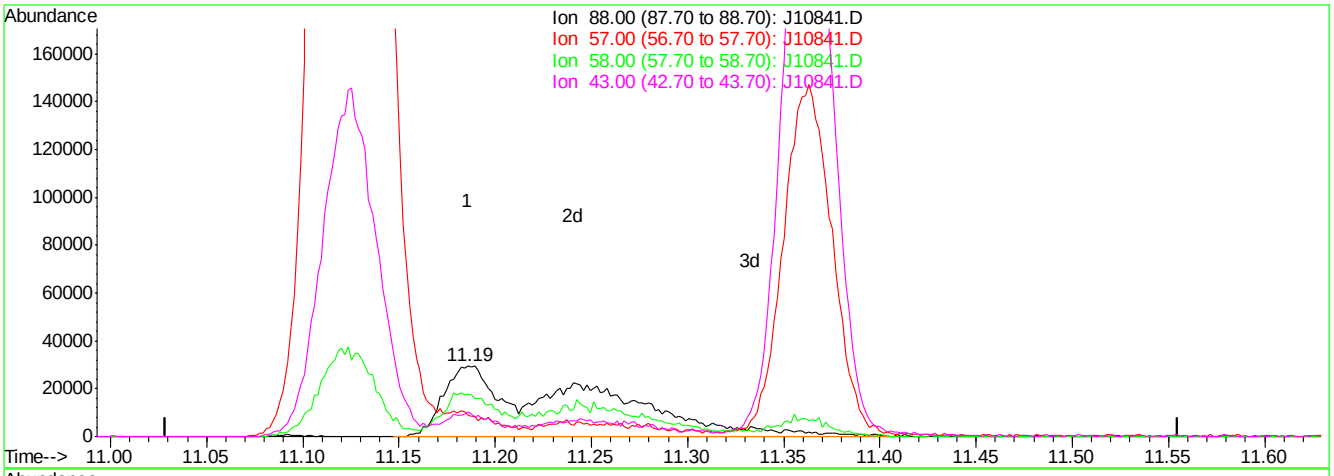
J10841.D J062507T.M Thu Jul 05 17:19:09 2007

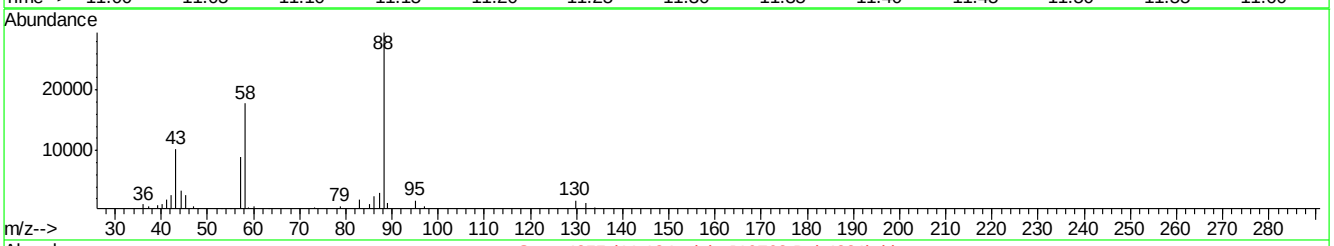
Quantitation Report (Qedit)

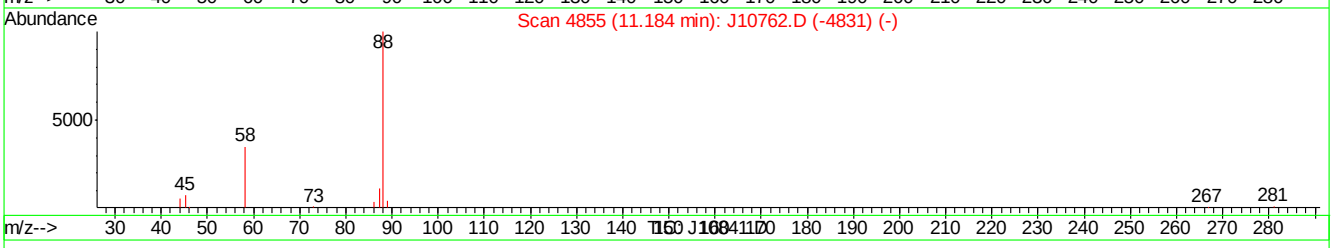
Data File : C:\MSDChem\1\data\J10841.D Vial: 1
Acq On : 3 Jul 2007 11:46 am Operator: danat
Sample : cc557-10 (M080) Inst : MSJ
Misc : MS13762, MSJ561,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

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







(42) 1,4-DIOXANE (m)

11.19min 14.14PPBV m

response 153693

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

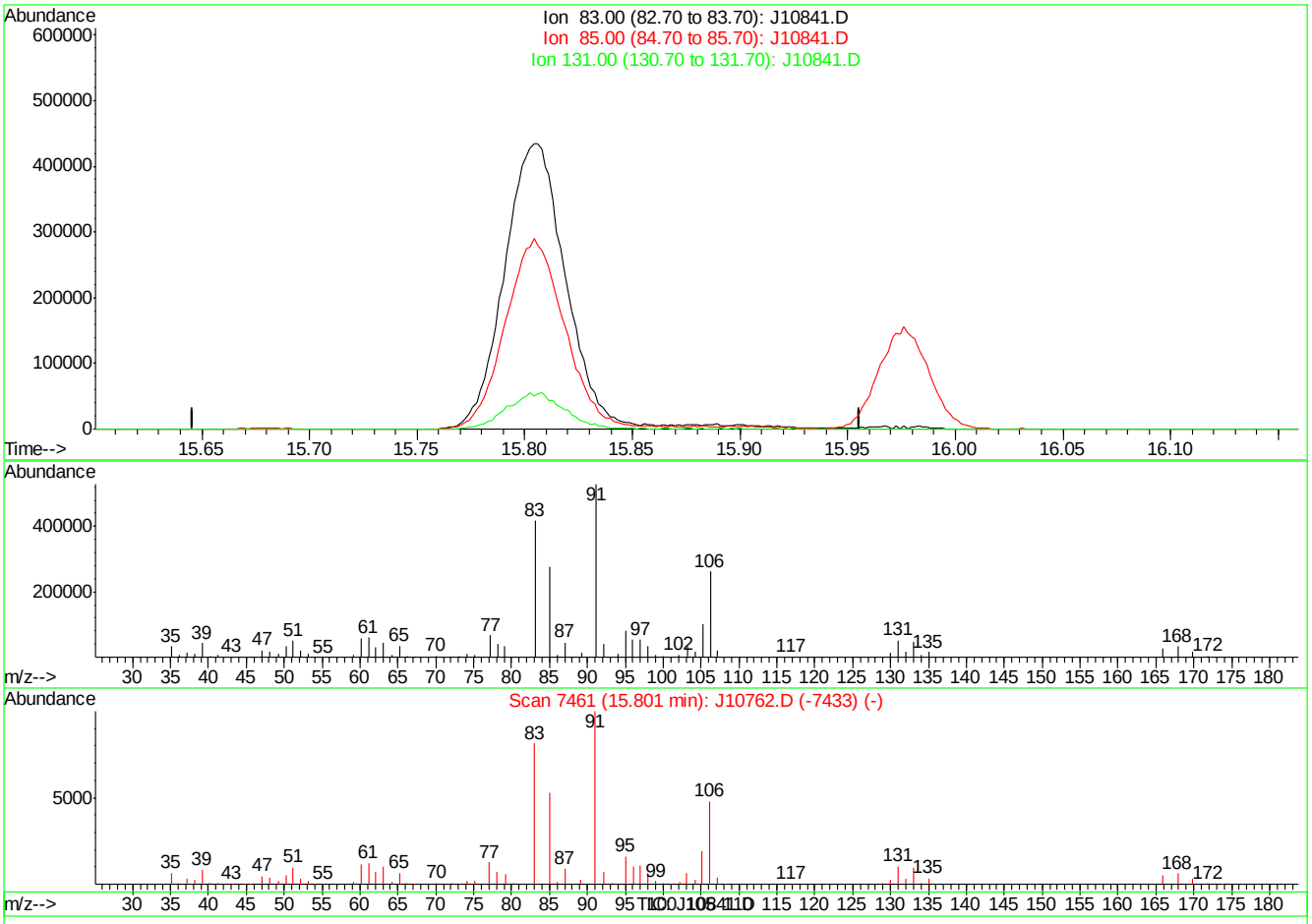
J10841.D J062507T.M Thu Jul 05 17:19:21 2007

Quantitation Report (Qedit)

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

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

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



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

15.80min 0.00PPBV

response 0

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

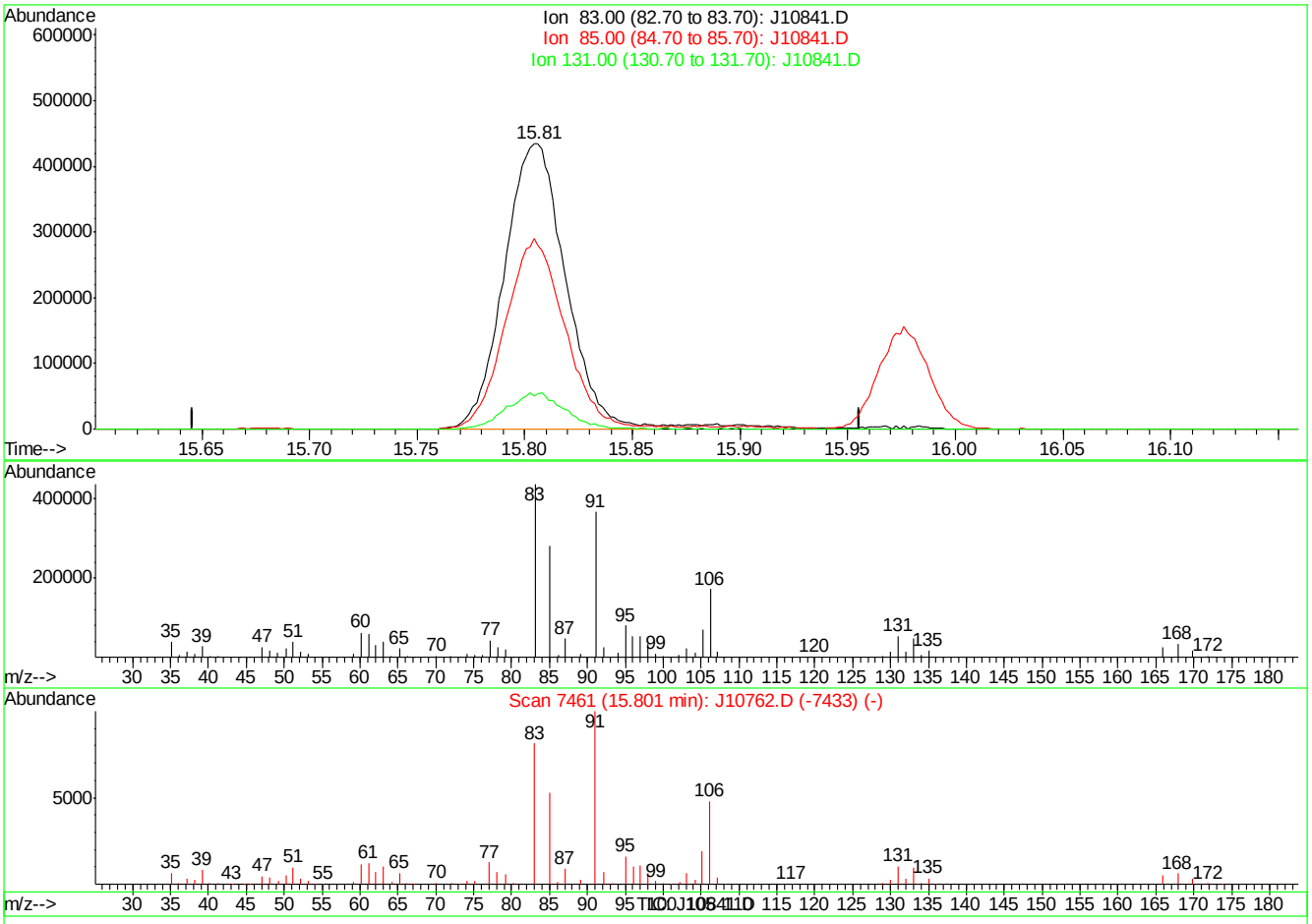
J10841.D J062507T.M Thu Jul 05 17:19:39 2007

Quantitation Report (Qedit)

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

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

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



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

15.81min 17.94PPBV m

response 859117

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

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

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

Quantitation Report (QT Reviewed)

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

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	309281	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.44	114	1310708	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.67	117	1115339	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.29	95	310811	4.41	PPBV	0.00
Spiked Amount 5.000	Range 51 - 142		Recovery = 88.20%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.06	85	58883	0.53	PPBV	97
3) PROPYLENE	4.00	41	7610	0.47	PPBV	95
4) FREON 114	4.33	85	51934	0.54	PPBV	95
5) CHLOROMETHANE	4.23	50	13702	0.57	PPBV	98
6) VINYL CHLORIDE	4.45	62	15292	0.56	PPBV #	54
7) 1,3-BUTADIENE	4.58	39	9645	0.50	PPBV	90
8) BROMOMETHANE	4.86	94	16317	0.53	PPBV	96
9) CHLOROETHANE	5.03	64	6594	0.52	PPBV	80
10) TRICHLOROFLUOROMETHANE	5.79	101	57690	0.50	PPBV	99
11) ISOPROPYL ALCOHOL	6.07	45	16583m	0.47	PPBV	
12) ACETONE	5.69	43	24290	0.41	PPBV	83
13) PENTANE	6.13	42	12834	0.45	PPBV	91
14) 1,1-DICHLOROETHYLENE	6.43	96	12786	0.43	PPBV	97
15) CARBON DISULFIDE	6.84	76	48612	0.54	PPBV	96
16) ETHANOL	5.32	45	847m	0.14	PPBV	
17) BROMOETHENE	5.38	106	11653	0.39	PPBV	98
18) METHYLENE CHLORIDE	6.55	84	32235	0.58	PPBV	93
19) 3-CHLOROPROPENE	6.66	39	10218	0.44	PPBV	90
20) FREON 113	6.79	151	37857	0.52	PPBV	95
21) TRANS-1,2-DICHLOROETHYLENE	7.45	96	13859	0.49	PPBV	99
22) TERTIARY BUTYL ALCOHOL	6.69	59	12447m	0.32	PPBV	
23) METHYL TERTIARY BUTYL ETHE	7.75	73	20442	0.35	PPBV	95
24) TETRAHYDROFURAN	9.23	42	5371m	0.30	PPBV	
25) HEXANE	8.63	57	18926	0.53	PPBV	87
26) VINYL ACETATE	7.81	43	12485	0.32	PPBV	74
27) 1,1-DICHLOROETHANE	7.65	63	26691	0.54	PPBV	98
28) METHYL ETHYL KETONE	8.10	43	20284m	0.54	PPBV	
29) cis-1,2-DICHLOROETHYLENE	8.46	96	13416	0.49	PPBV	98
30) ETHYL ACETATE	8.71	43	20867	0.54	PPBV #	94
31) CHLOROFORM	8.74	83	38336	0.55	PPBV	98
32) 1,1,1-TRICHLOROETHANE	9.68	97	40329	0.50	PPBV	97
33) CARBON TETRACHLORIDE	10.25	117	51116	0.51	PPBV	96
34) 1,2-DICHLOROETHANE	9.45	62	19128	0.48	PPBV	96
36) BENZENE	10.12	78	26821	0.44	PPBV	98
37) CYCLOHEXANE	10.37	84	8898	0.30	PPBV	94
38) TRICHLOROETHYLENE	11.11	95	16401	0.48	PPBV	91
39) 1,2-DICHLOROPROPANE	10.90	63	9846	0.47	PPBV	97
40) BROMODICHLOROMETHANE	11.09	83	31966	0.52	PPBV	97
41) 2,2,4-TRIMETHYLPENTANE	11.12	57	34764	0.37	PPBV	88
42) 1,4-DIOXANE	11.28	88	1834m	0.16	PPBV	
43) HEPTANE	11.36	43	12719	0.43	PPBV	91

Quantitation Report (QT Reviewed)

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

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

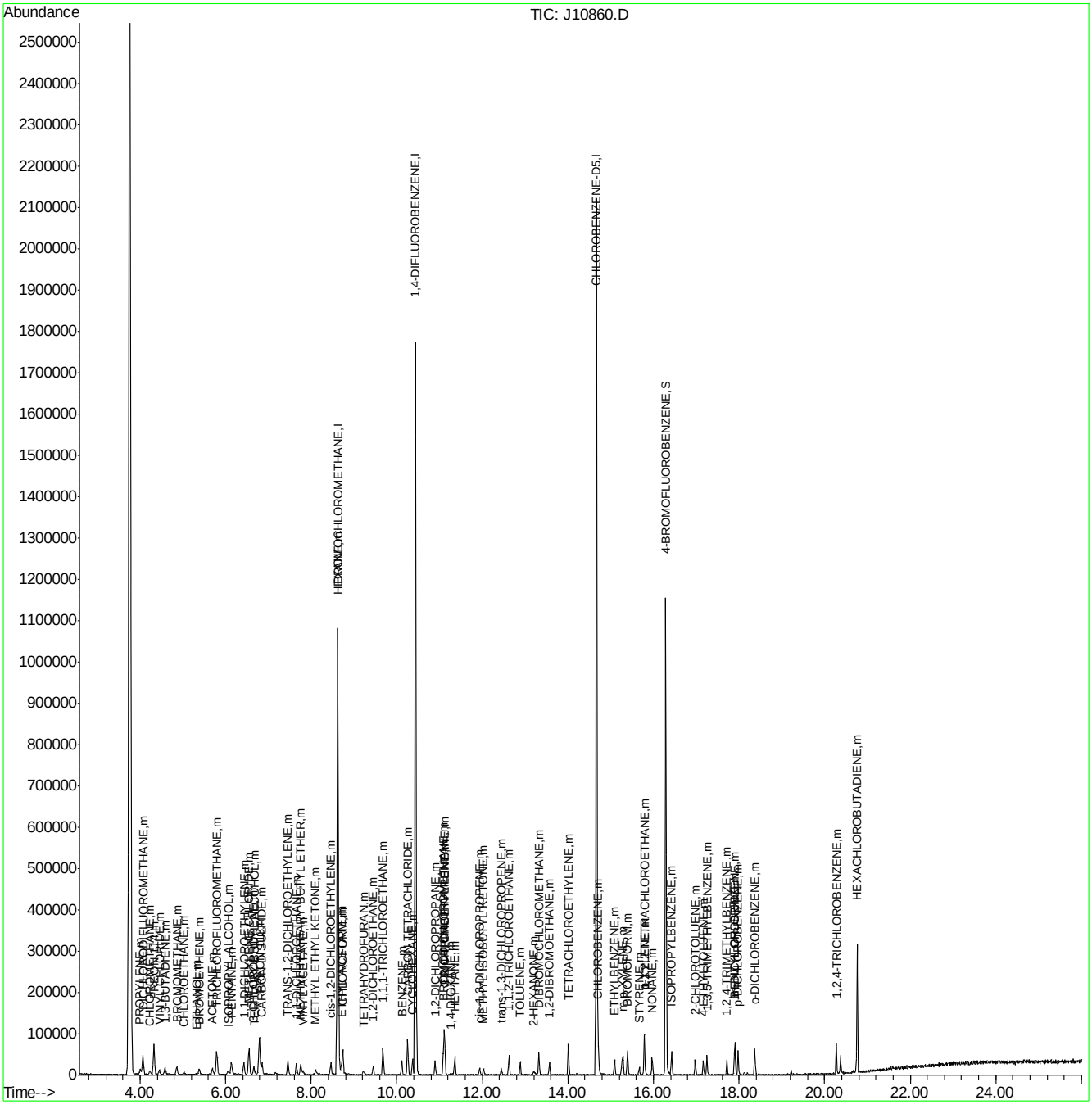
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.02	43	12485	0.34	PPBV	80
45) cis-1,3-DICHLOROPROPENE	11.94	75	9289	0.33	PPBV	92
46) TOLUENE	12.88	92	12463	0.31	PPBV	96
47) trans-1,3-DICHLOROPROPENE	12.44	75	8100	0.31	PPBV	91
48) 1,1,2-TRICHLOROETHANE	12.62	83	10909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

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

Quantitation Report (QT Reviewed)

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

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

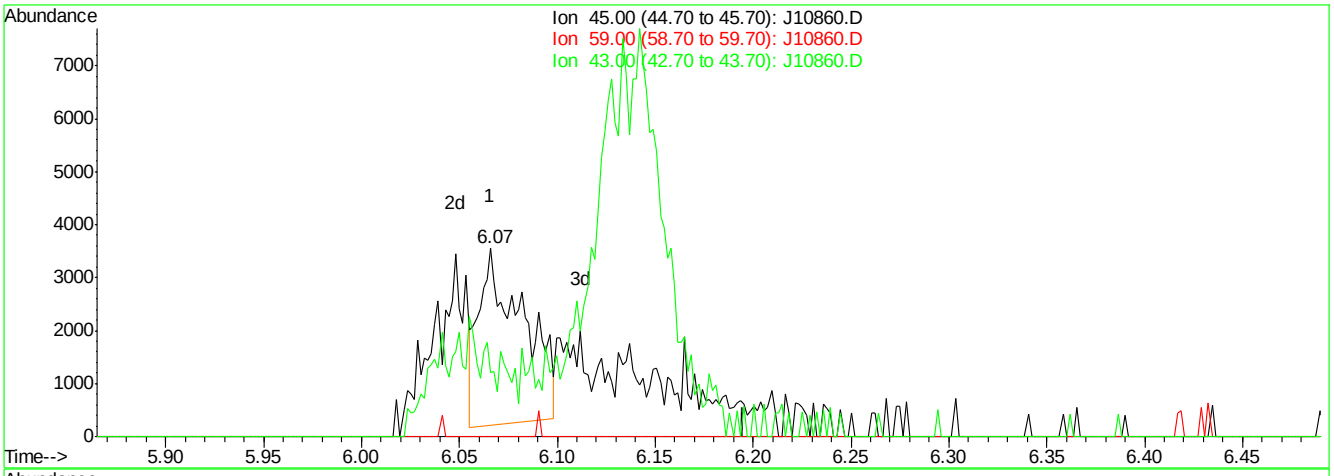


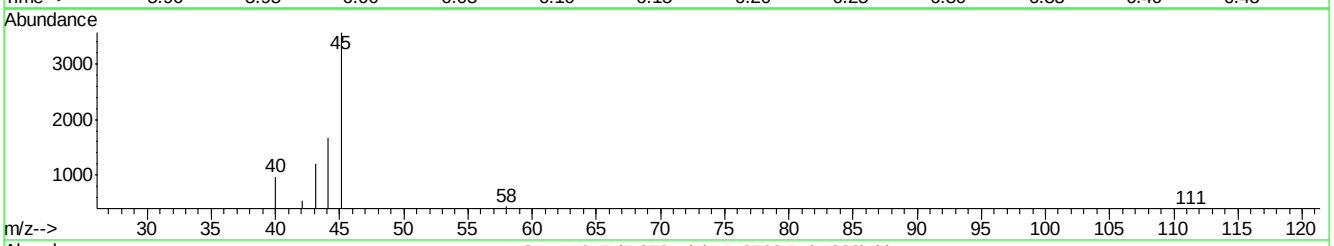
Quantitation Report (Qedit)

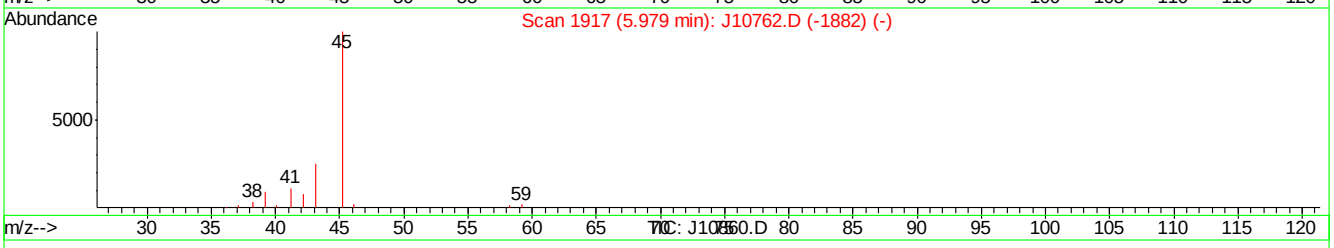
Data File : C:\MSDChem\1\data\J10860.D Vial: 1
Acq On : 5 Jul 2007 10:47 am Operator: danat
Sample : ic562-0.5 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

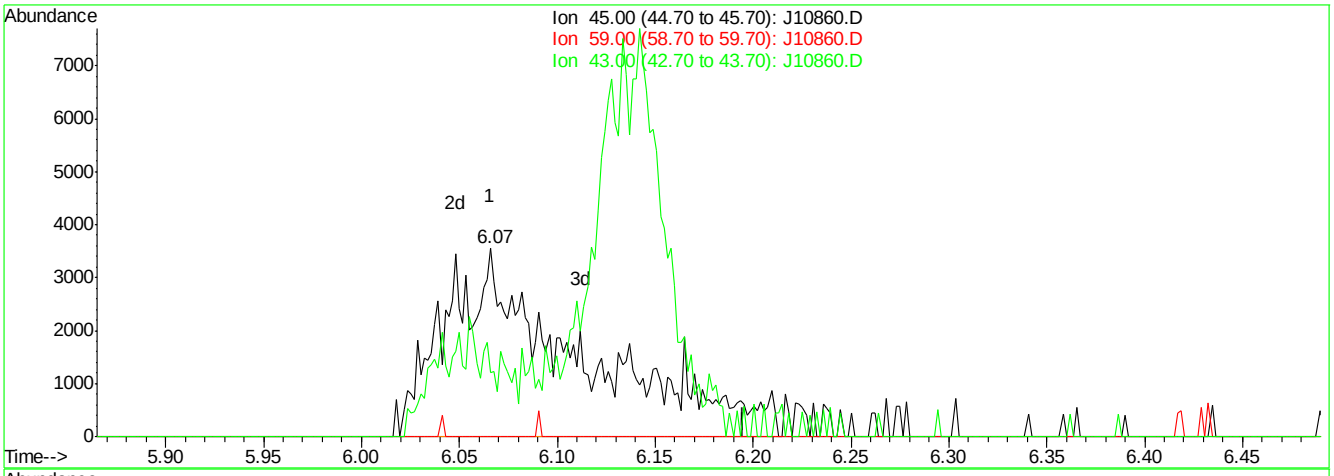
J10860.D J070507T.M Thu Jul 05 11:26:38 2007

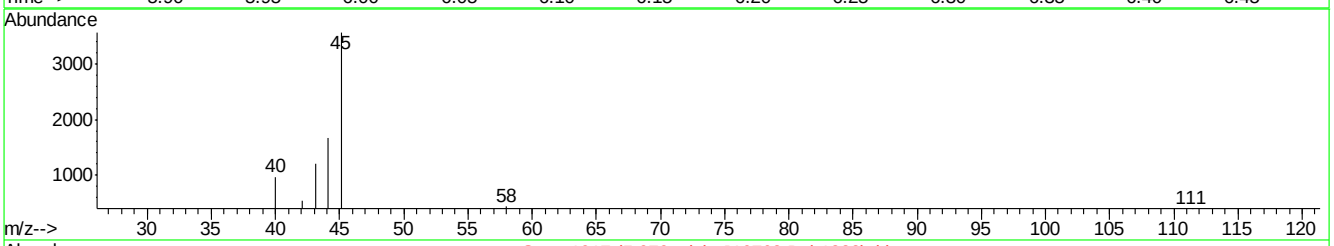
Quantitation Report (Qedit)

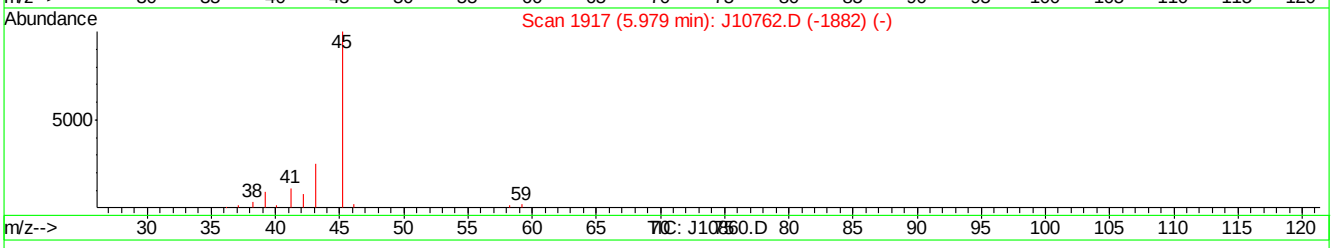
Data File : C:\MSDChem\1\data\J10860.D Vial: 1
Acq On : 5 Jul 2007 10:47 am Operator: danat
Sample : ic562-0.5 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

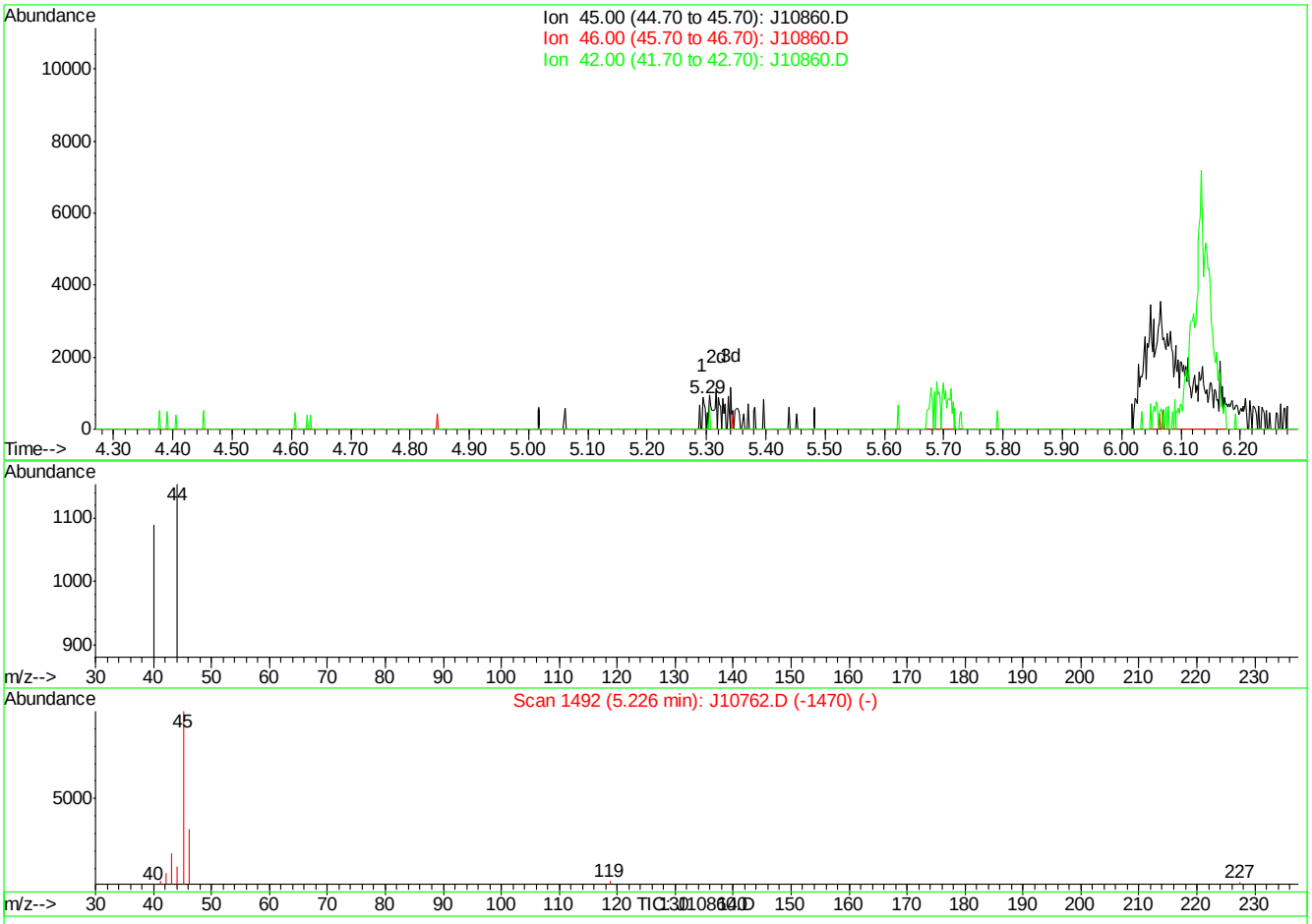
J10860.D J070507T.M Thu Jul 05 11:26:48 2007

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

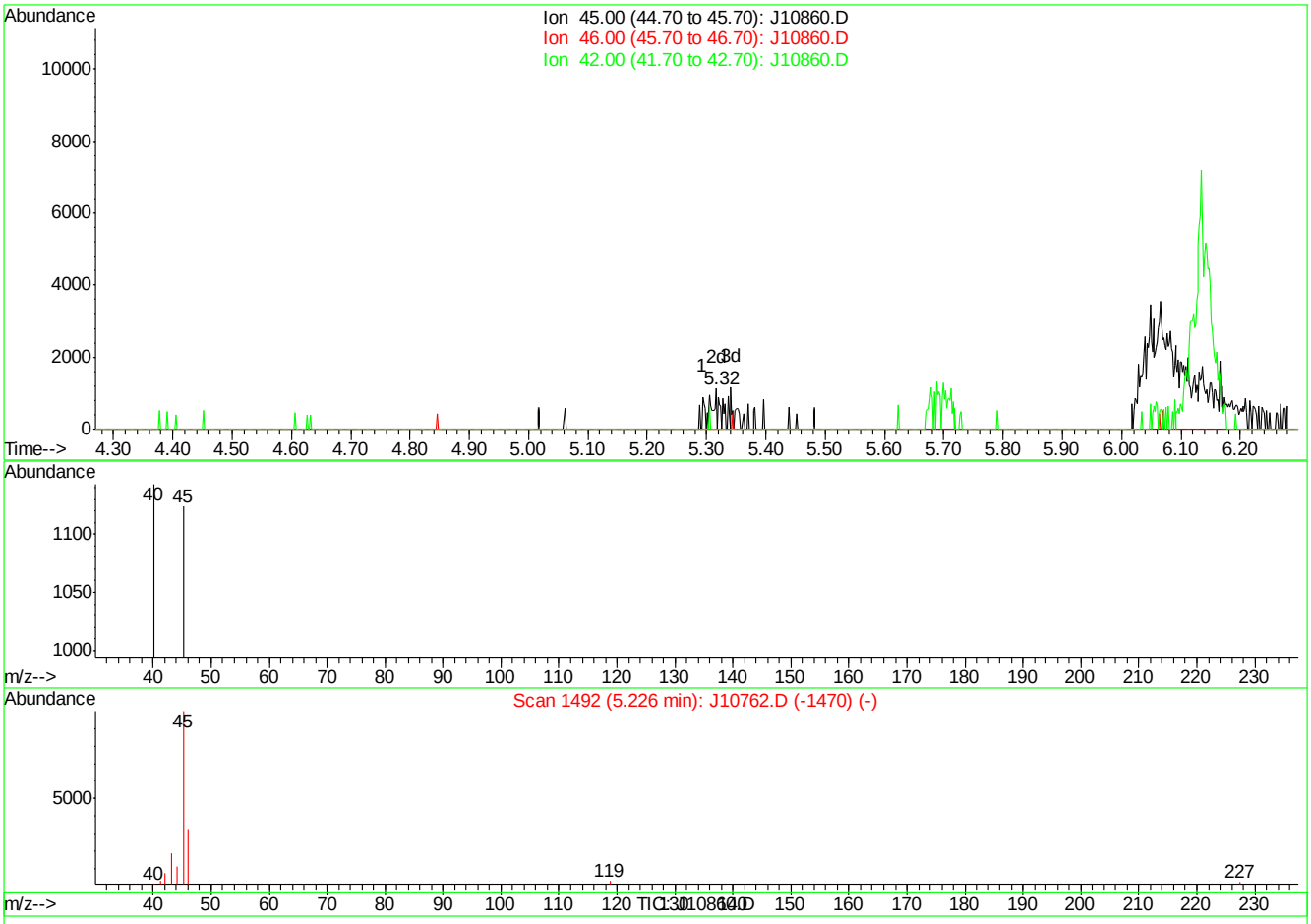
J10860.D J070507T.M Thu Jul 05 11:26:56 2007

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

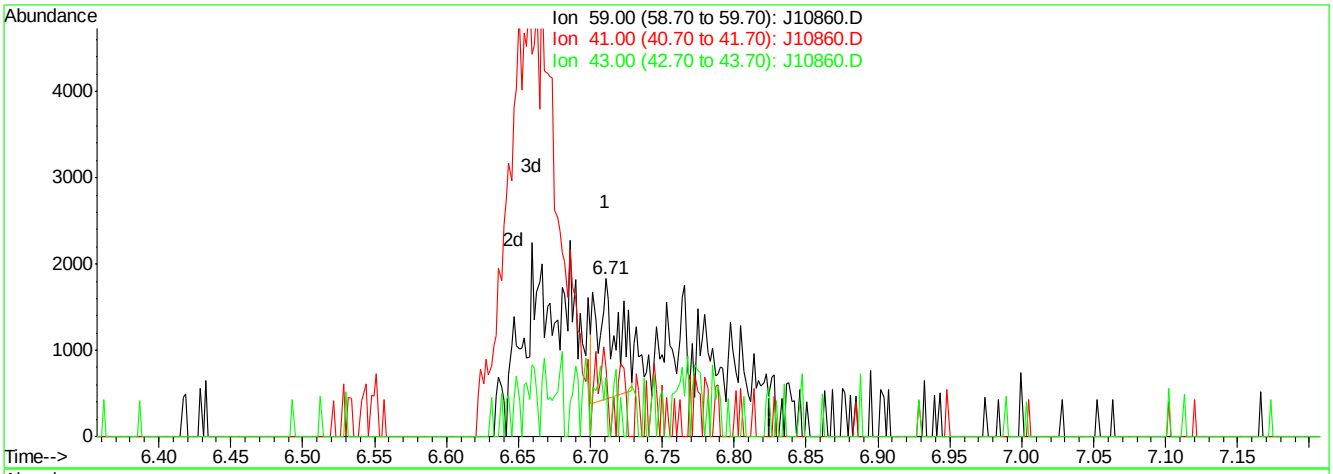
J10860.D J070507T.M Thu Jul 05 11:27:18 2007

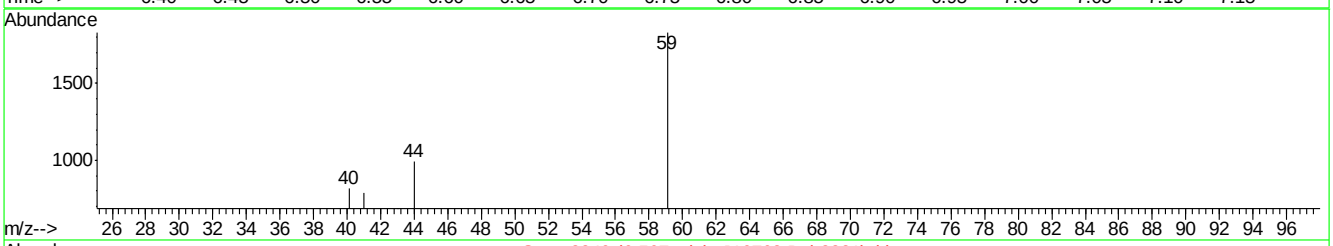
Quantitation Report (Qedit)

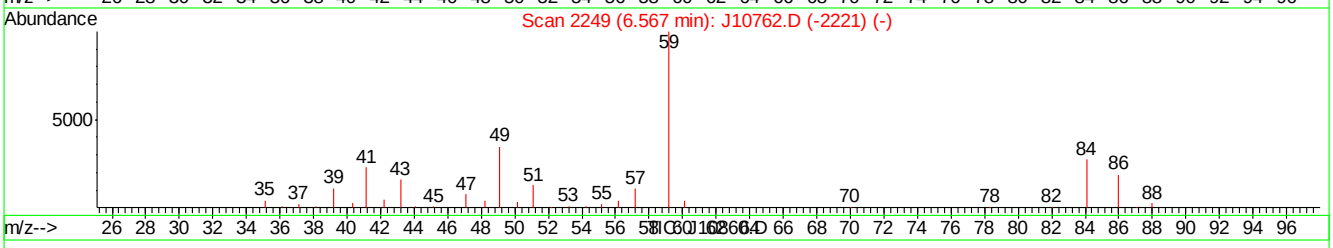
Data File : C:\MSDChem\1\data\J10860.D Vial: 1
Acq On : 5 Jul 2007 10:47 am Operator: danat
Sample : ic562-0.5 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

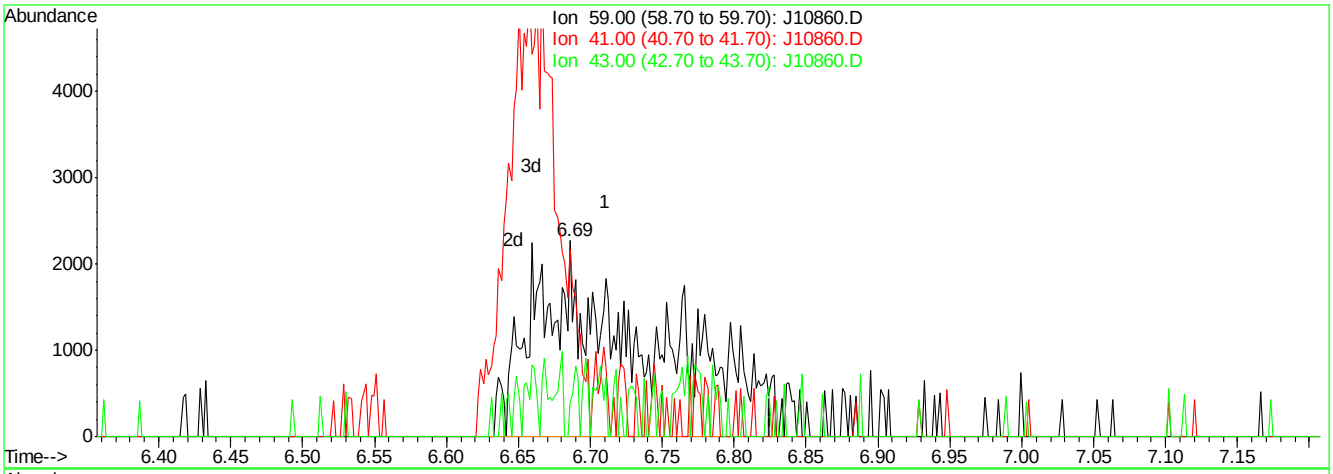
J10860.D J070507T.M Thu Jul 05 11:27:29 2007

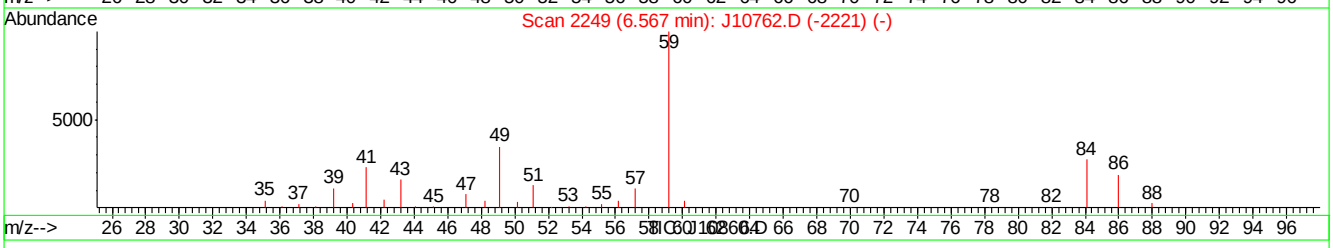
Quantitation Report (Qedit)

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

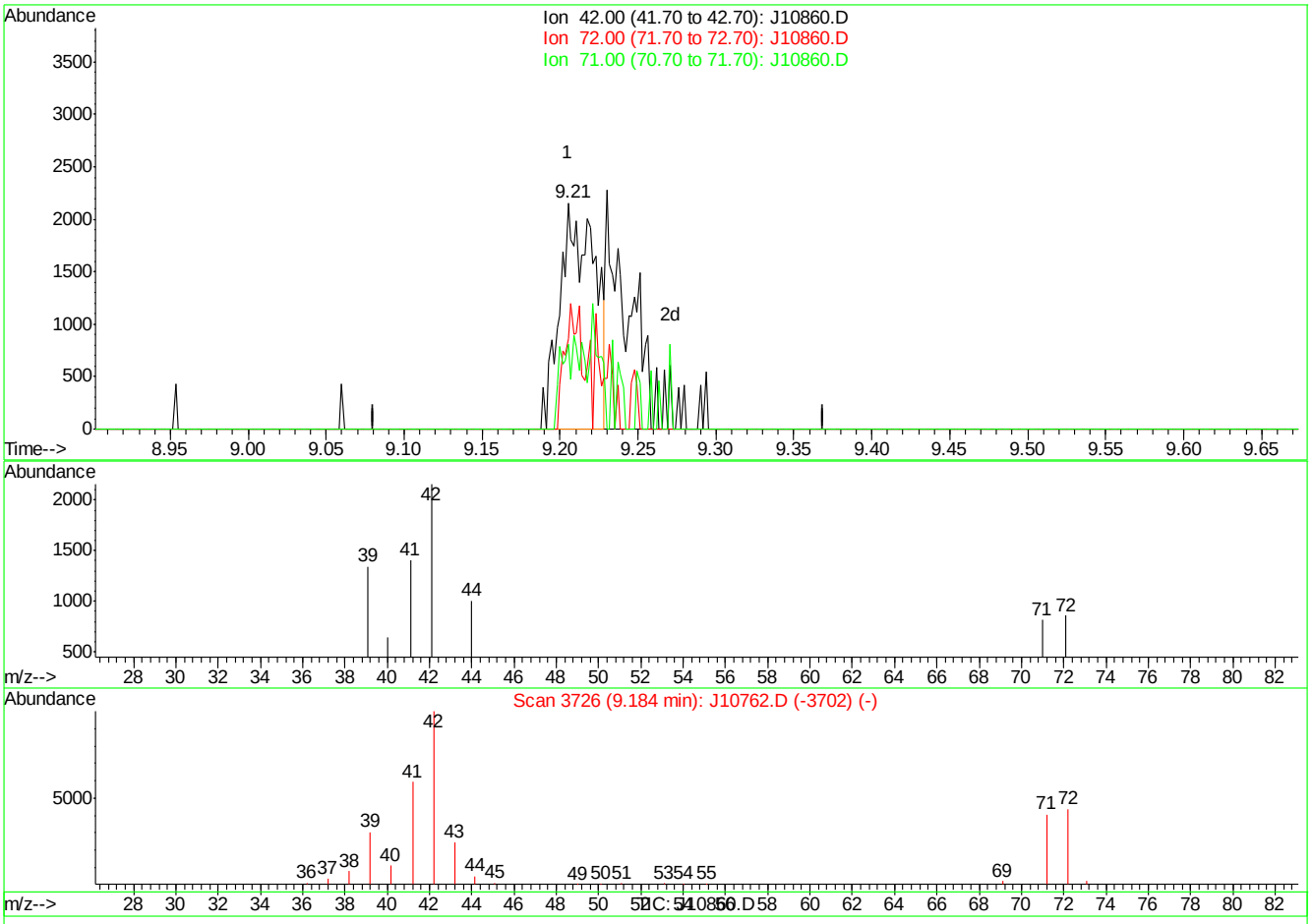
J10860.D J070507T.M Thu Jul 05 11:27:45 2007

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

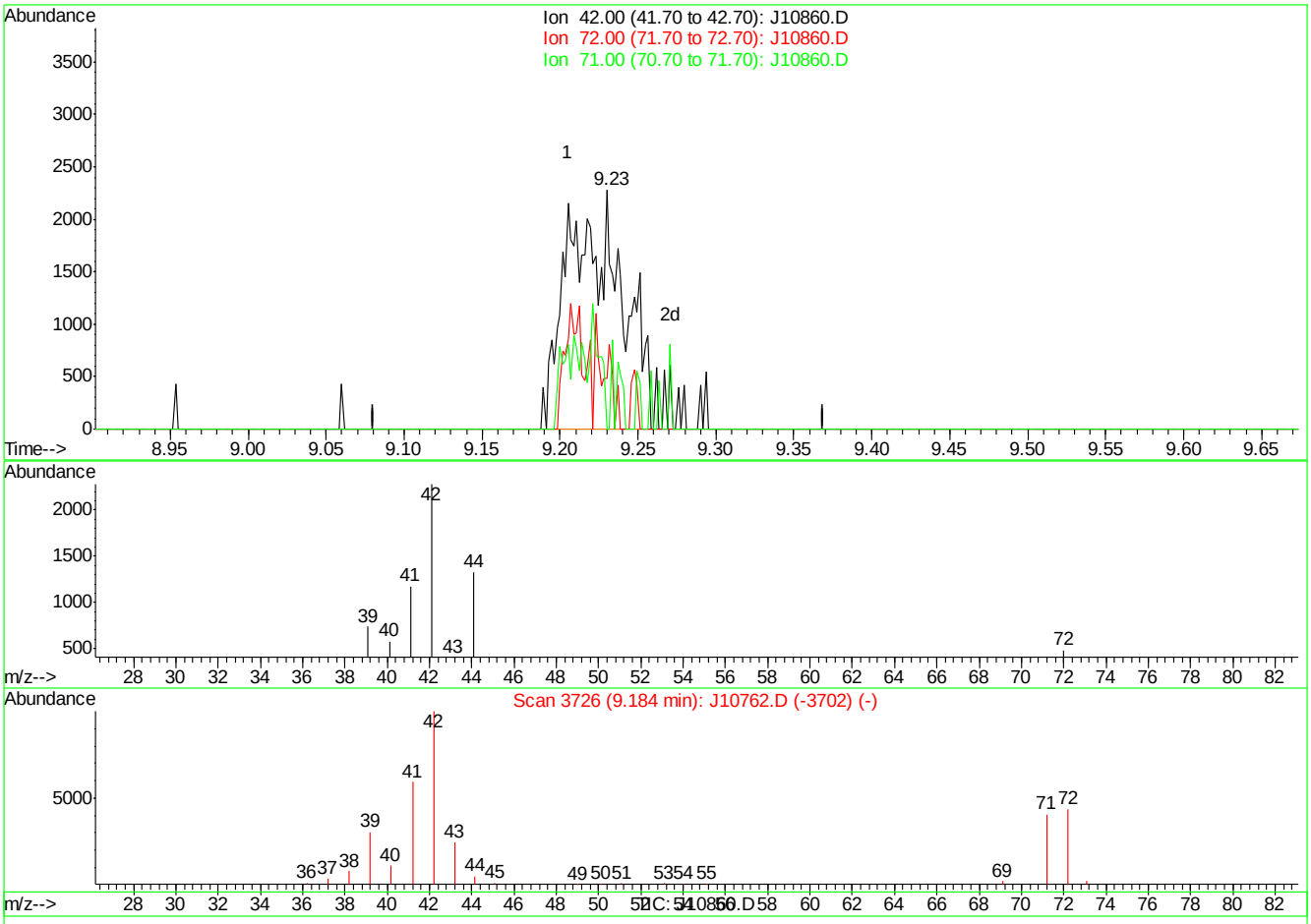
J10860.D J070507T.M Thu Jul 05 11:27:51 2007

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

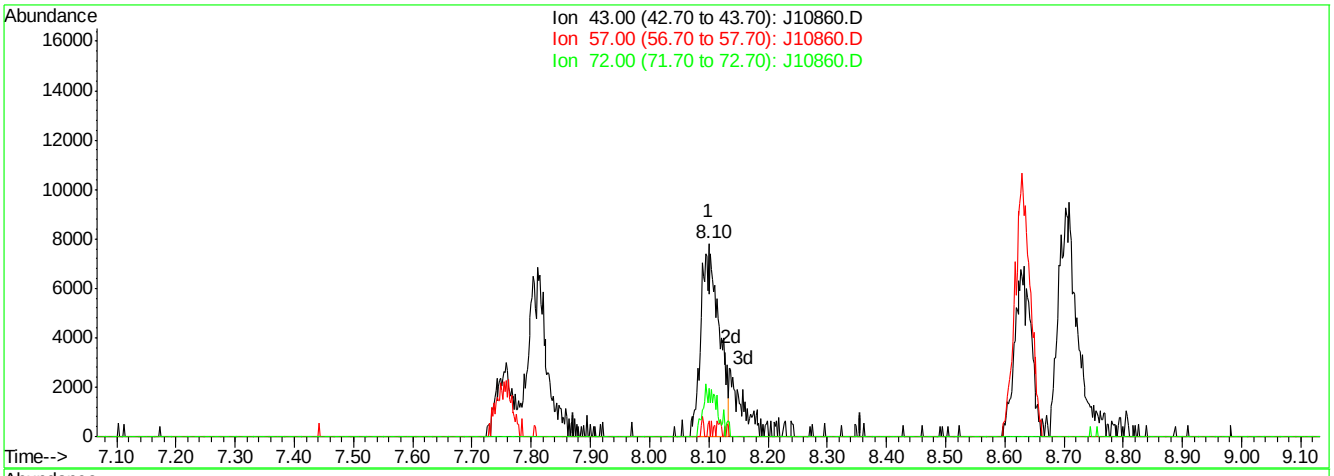
J10860.D J070507T.M Thu Jul 05 11:28:01 2007

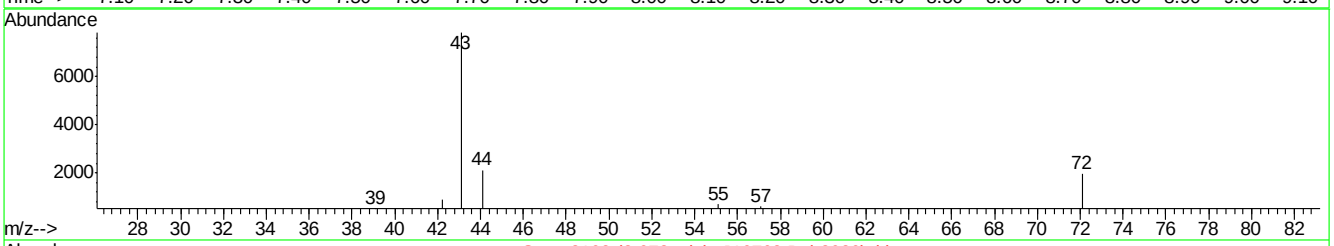
Quantitation Report (Qedit)

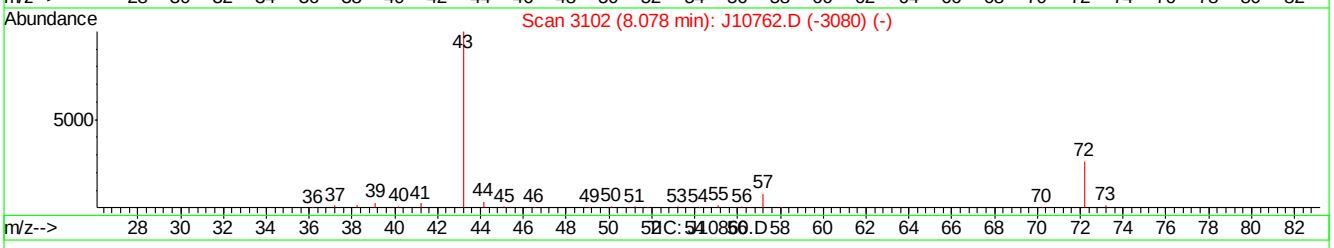
Data File : C:\MSDChem\1\data\J10860.D Vial: 1
Acq On : 5 Jul 2007 10:47 am Operator: danat
Sample : ic562-0.5 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

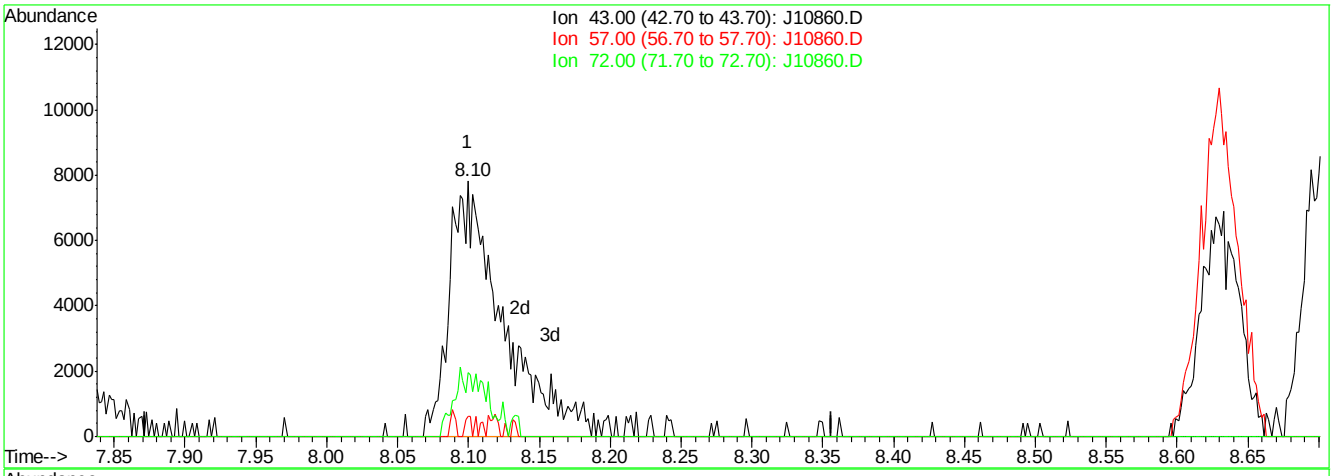
J10860.D J070507T.M Thu Jul 05 11:28:12 2007

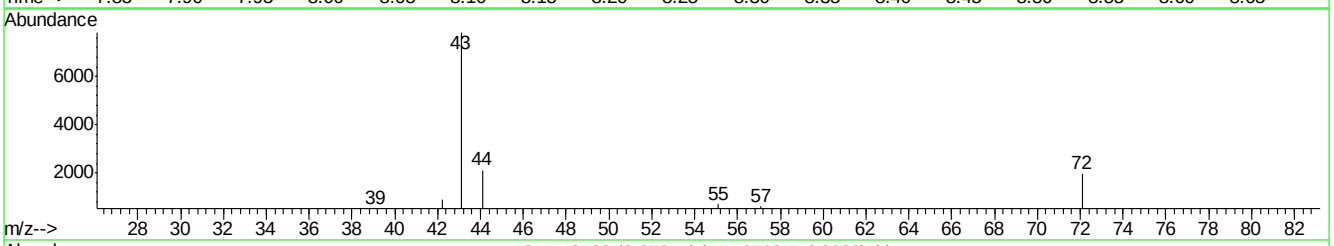
Quantitation Report (Qedit)

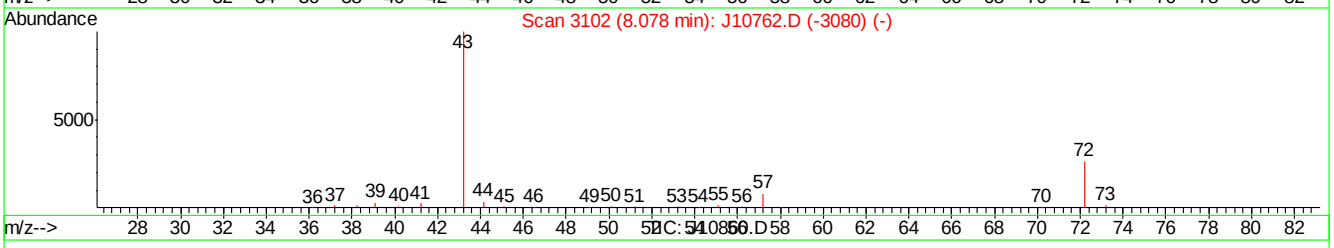
Data File : C:\MSDChem\1\data\J10860.D Vial: 1
Acq On : 5 Jul 2007 10:47 am Operator: danat
Sample : ic562-0.5 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

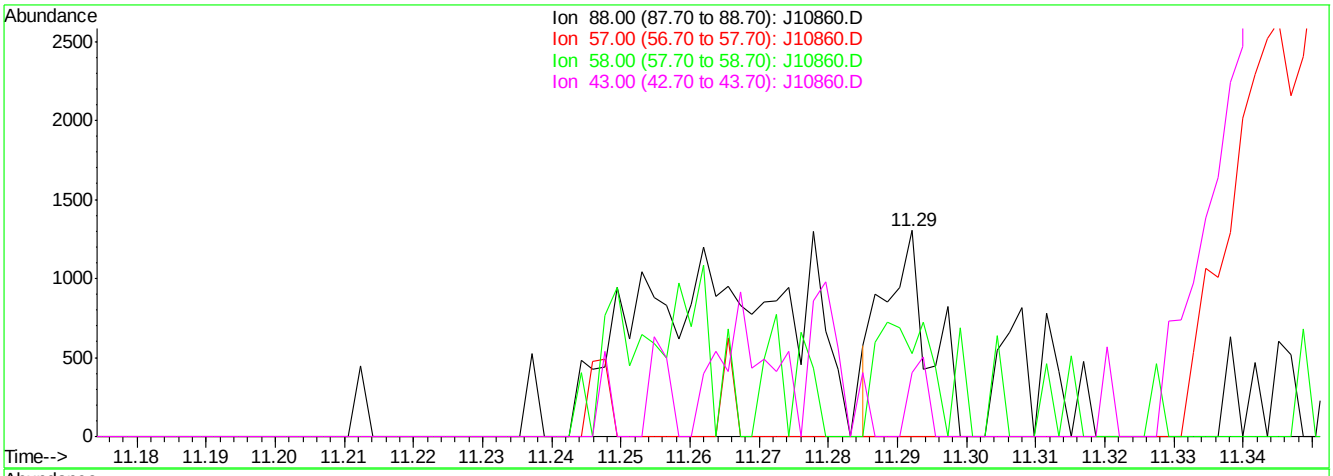
J10860.D J070507T.M Thu Jul 05 11:28:19 2007

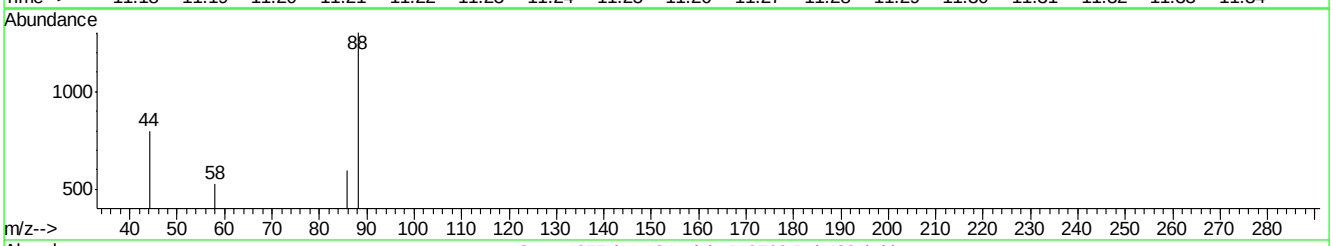
Quantitation Report (Qedit)

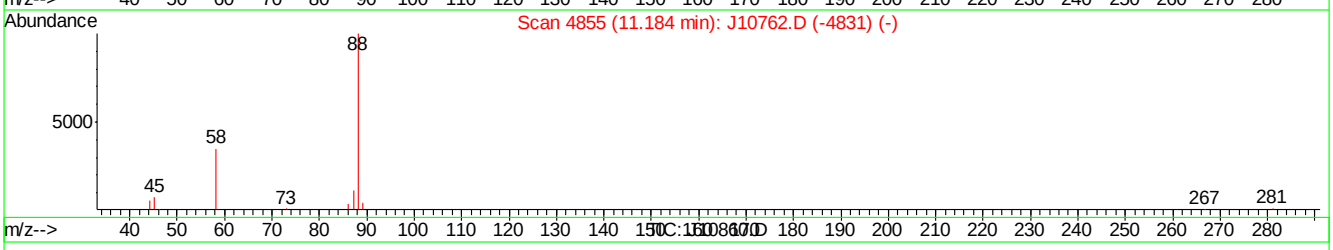
Data File : C:\MSDChem\1\data\J10860.D Vial: 1
Acq On : 5 Jul 2007 10:47 am Operator: danat
Sample : ic562-0.5 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

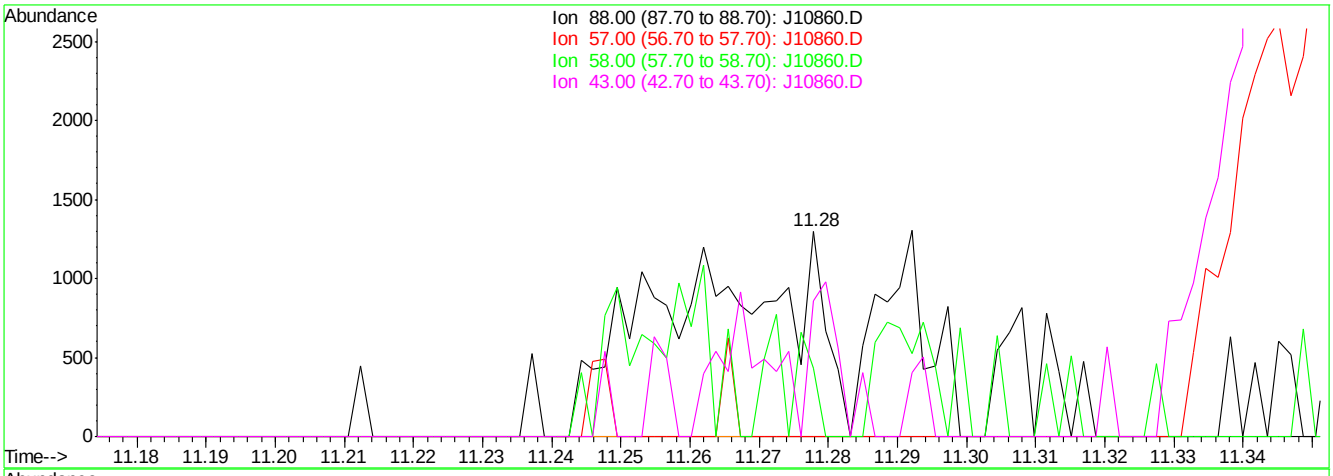
J10860.D J070507T.M Thu Jul 05 11:28:38 2007

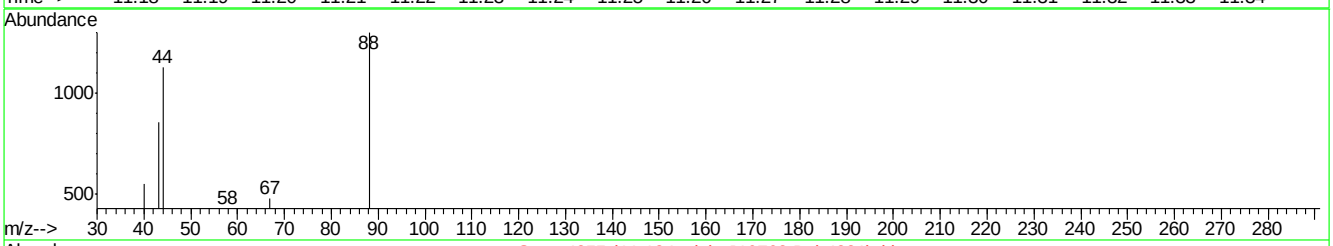
Quantitation Report (Qedit)

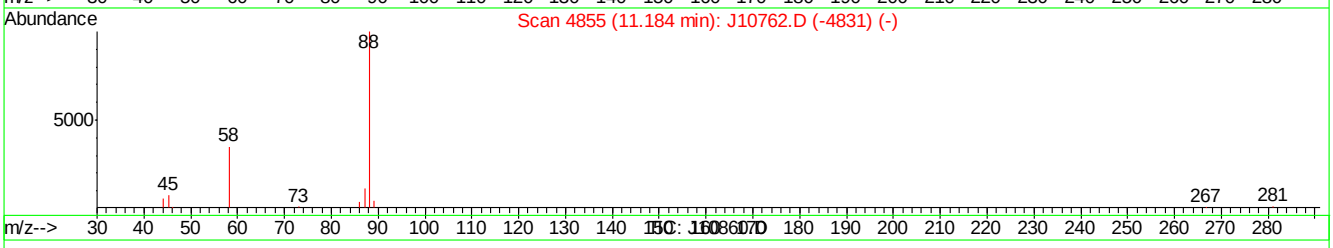
Data File : C:\MSDChem\1\data\J10860.D Vial: 1
Acq On : 5 Jul 2007 10:47 am Operator: danat
Sample : ic562-0.5 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

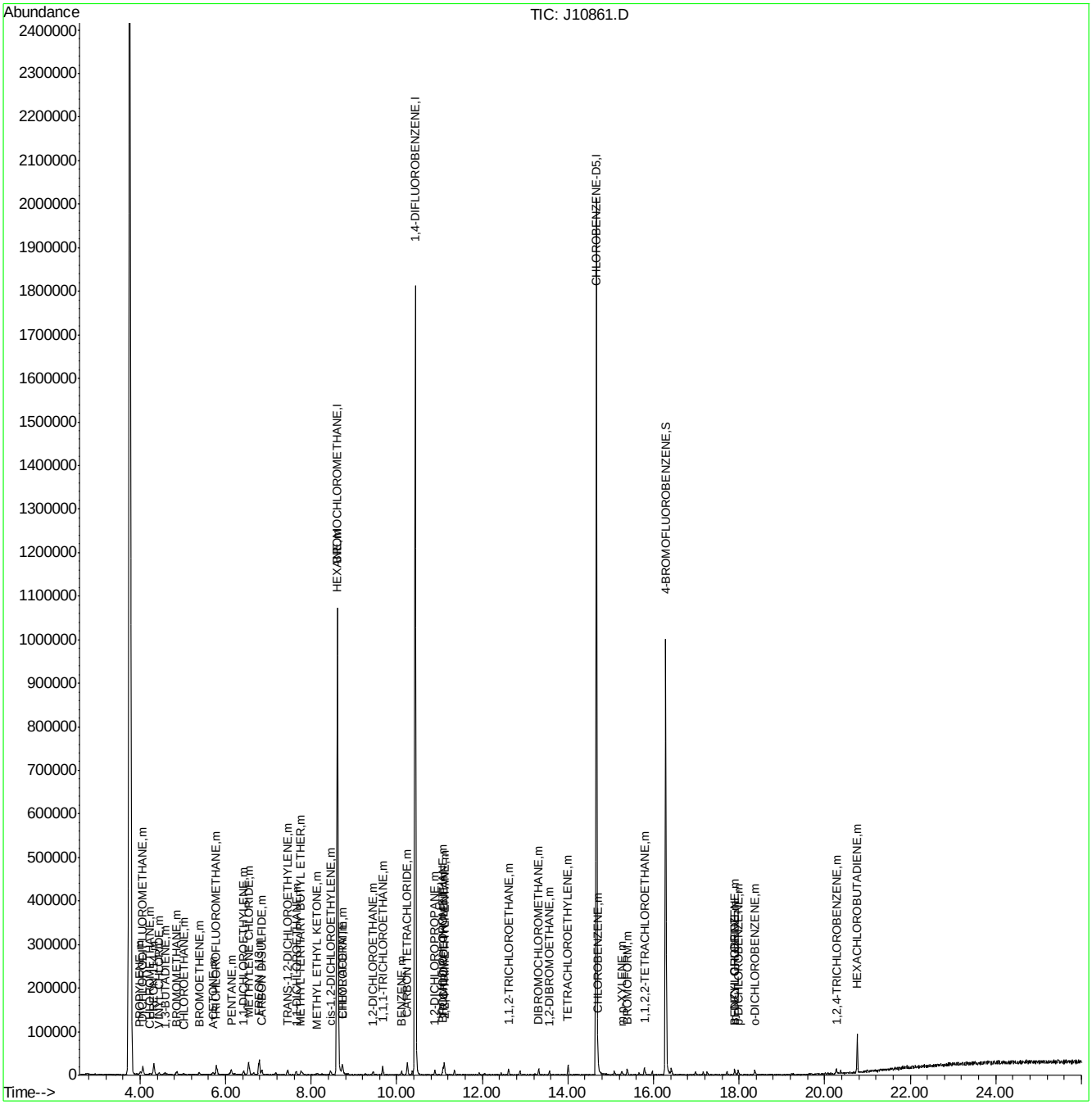
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) BENZYL CHLORIDE	17.89	91	3365	0.10	PPBV	68
70) p-DICHLOROBENZENE	17.98	146	4657	0.12	PPBV	93
71) o-DICHLOROBENZENE	18.37	146	5188	0.13	PPBV	95
72) HEXACHLOROBUTADIENE	20.76	225	14766	0.39	PPBV	97
73) 1,2,4-TRICHLOROBENZENE	20.27	180	4132	0.26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



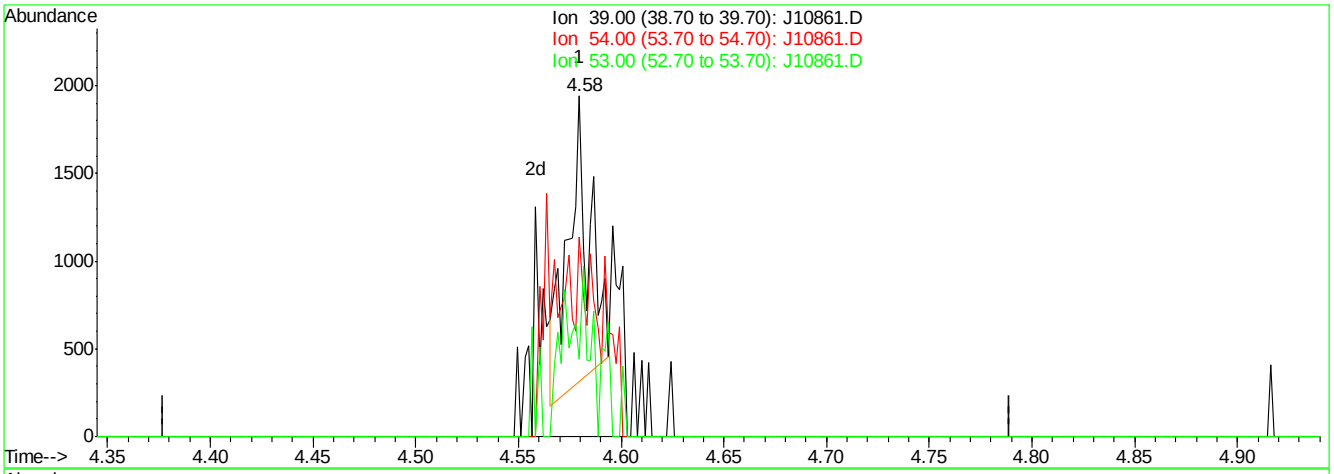
ACCUTEST Laboratories M66976

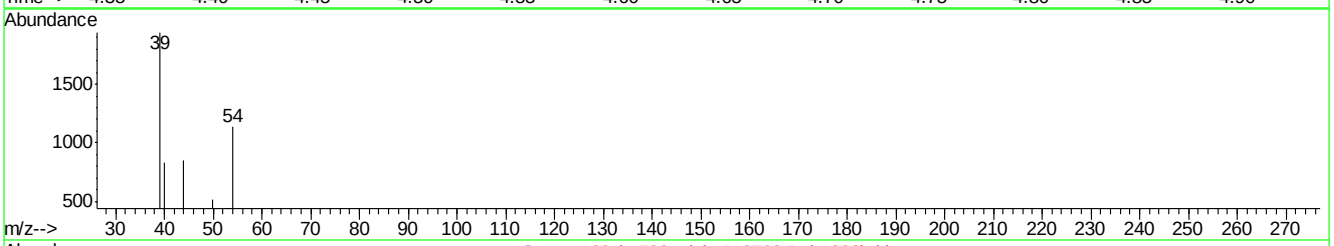
Quantitation Report (Qedit)

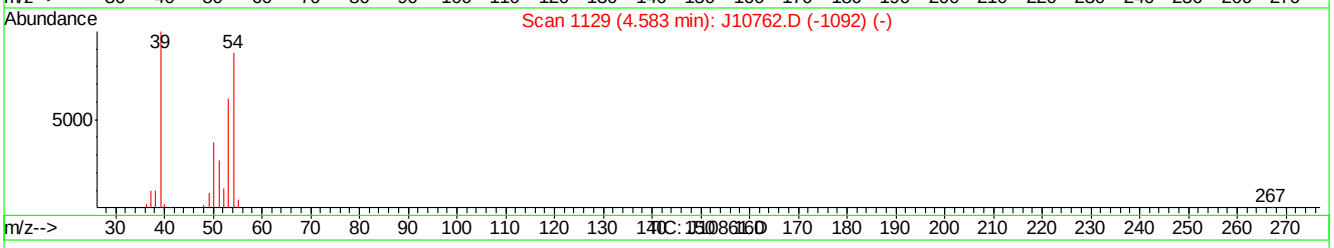
Data File : C:\MSDChem\1\data\J10861.D Vial: 1
Acq On : 5 Jul 2007 11:40 am Operator: danat
Sample : ic562-0.2 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

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







(7) 1,3-BUTADIENE (m)

4.58min 0.06PPBV

response 1190

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

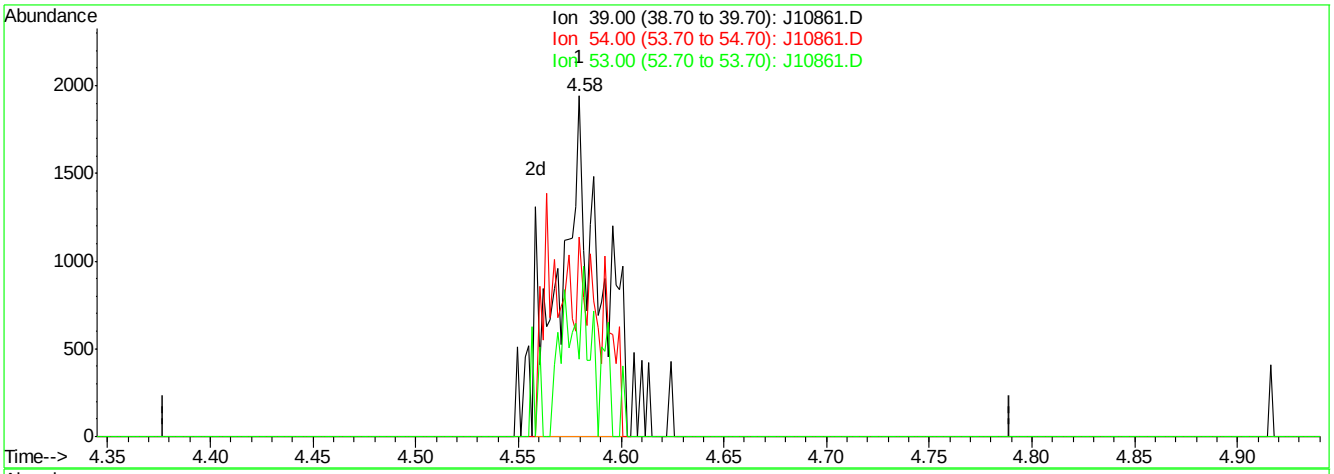
J10861.D J070507T.M Thu Jul 05 12:06:49 2007

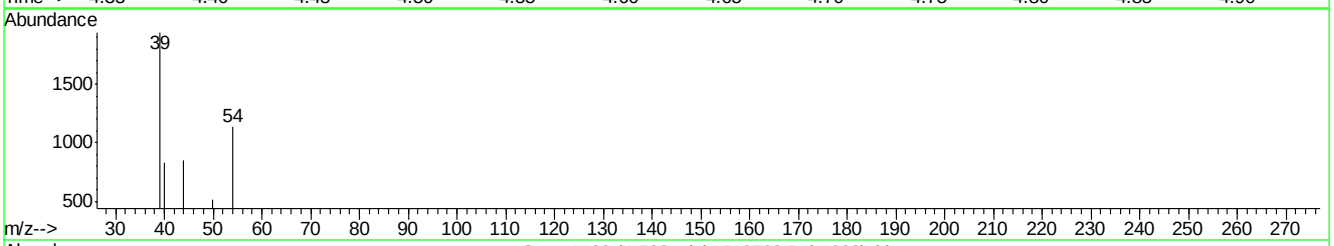
Quantitation Report (Qedit)

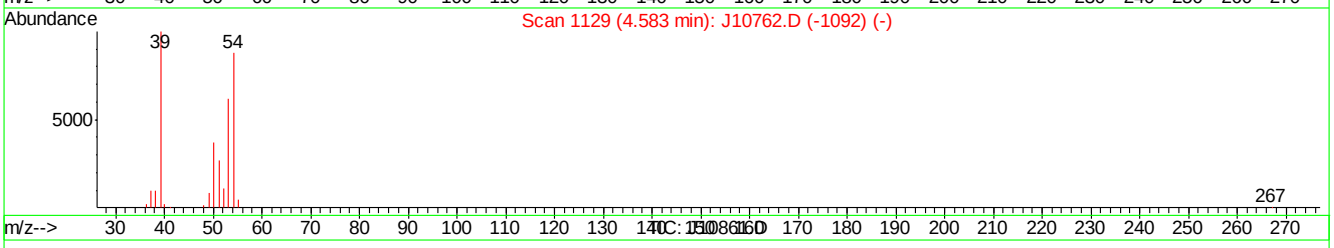
Data File : C:\MSDChem\1\data\J10861.D Vial: 1
Acq On : 5 Jul 2007 11:40 am Operator: danat
Sample : ic562-0.2 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

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







(7) 1,3-BUTADIENE (m)

4.58min 0.13PPBV m

response 2547

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

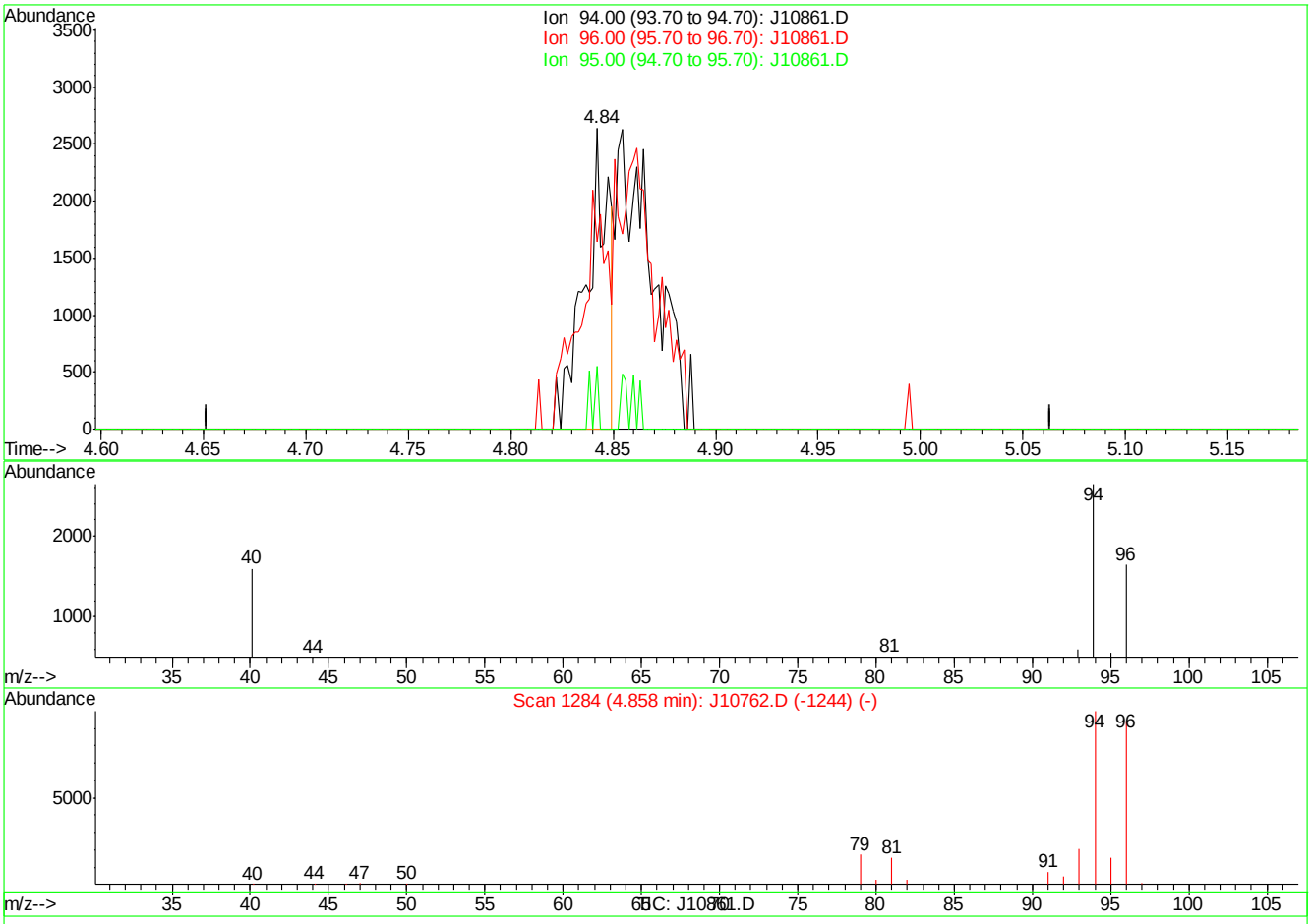
J10861.D J070507T.M Thu Jul 05 12:06:58 2007

Quantitation Report (Qedit)

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

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

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



(8) BROMOMETHANE (m)

4.84min 0.06PPBV

response 2038

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

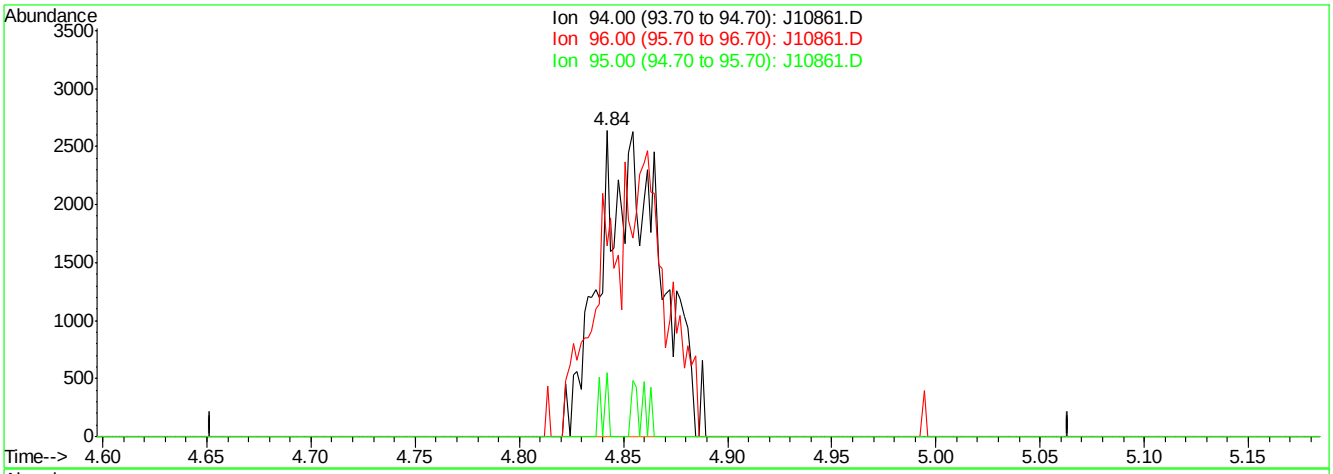
J10861.D J070507T.M Thu Jul 05 12:07:03 2007

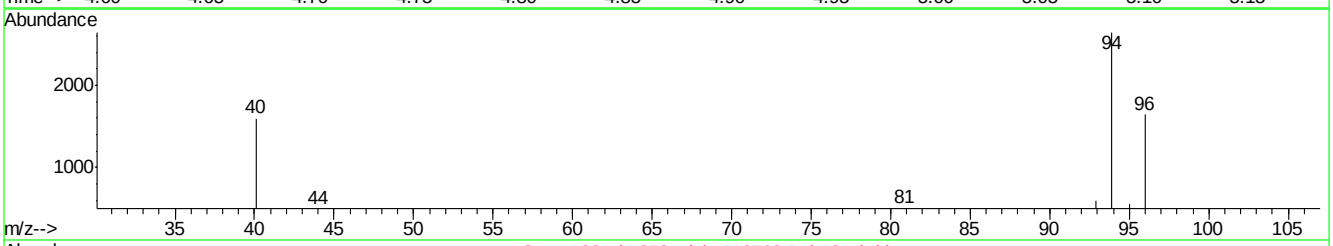
Quantitation Report (Qedit)

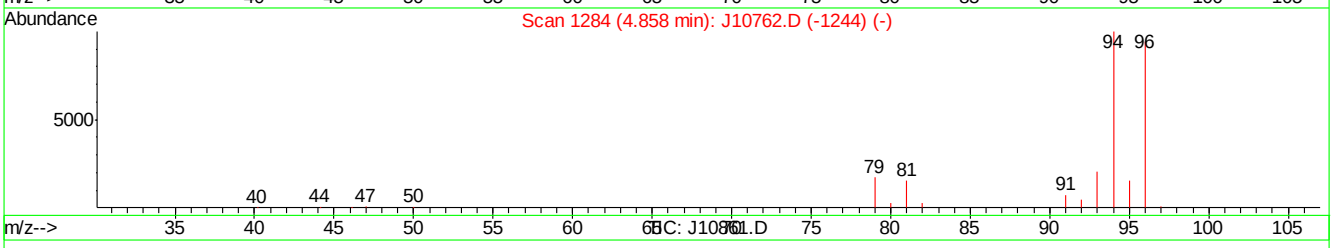
Data File : C:\MSDChem\1\data\J10861.D Vial: 1
Acq On : 5 Jul 2007 11:40 am Operator: danat
Sample : ic562-0.2 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

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







(8) BROMOMETHANE (m)

4.84min 0.17PPBV m

response 5275

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

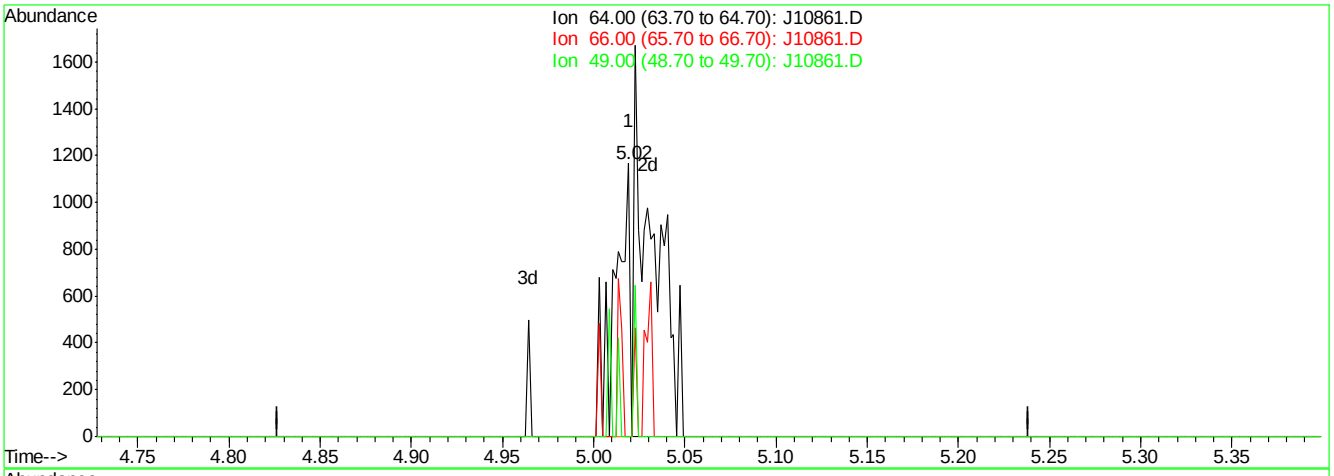
J10861.D J070507T.M Thu Jul 05 12:07:08 2007

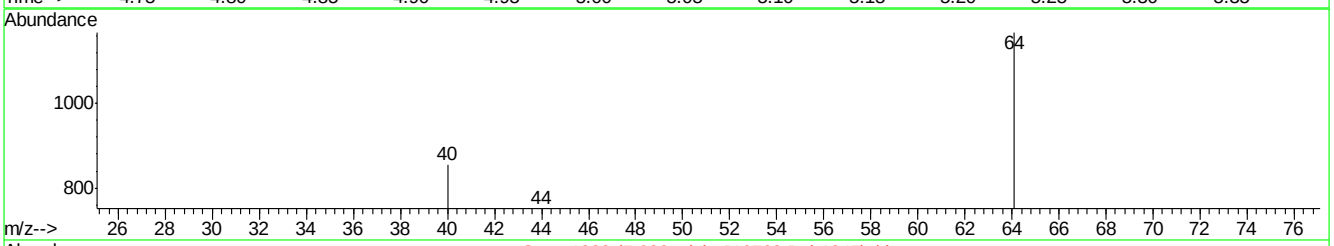
Quantitation Report (Qedit)

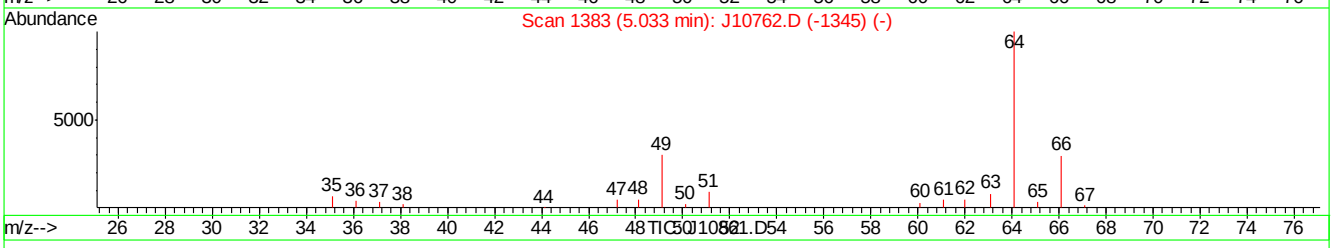
Data File : C:\MSDChem\1\data\J10861.D Vial: 1
Acq On : 5 Jul 2007 11:40 am Operator: danat
Sample : ic562-0.2 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

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







(9) CHLOROETHANE (m)

5.02min 0.05PPBV

response 658

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

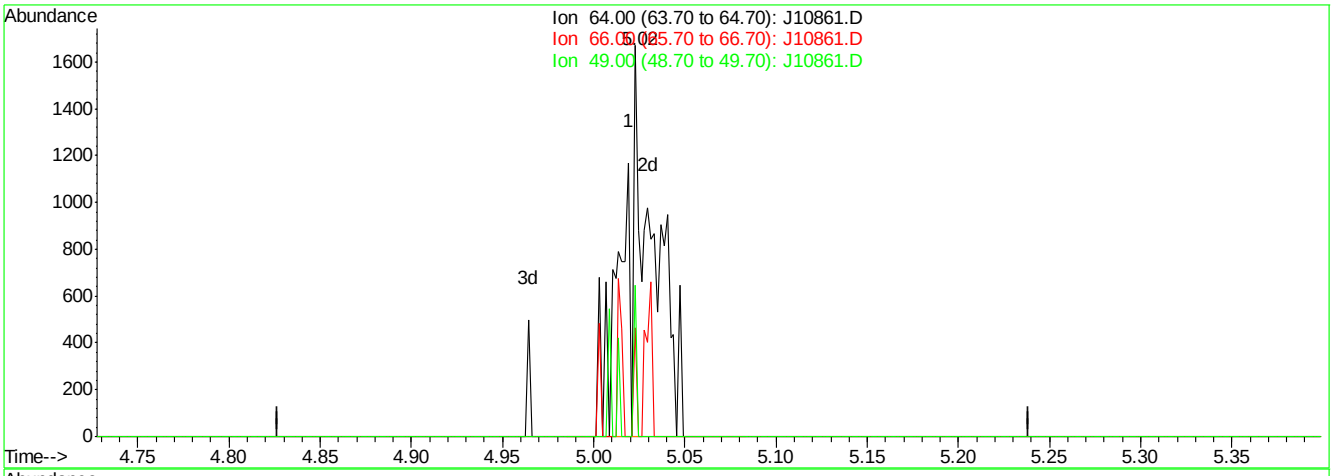
J10861.D J070507T.M Thu Jul 05 12:07:13 2007

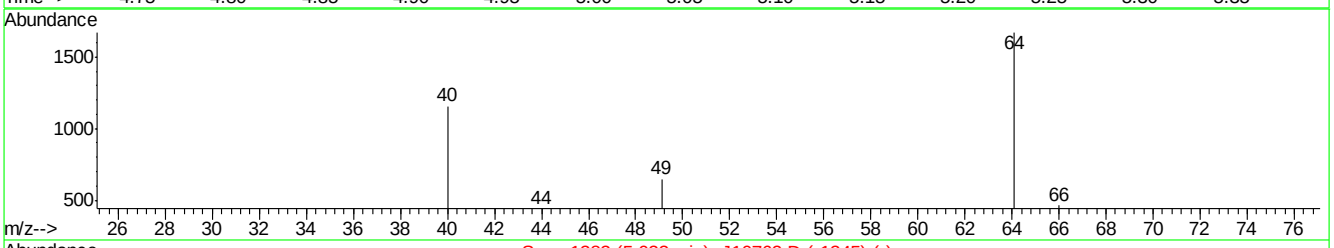
Quantitation Report (Qedit)

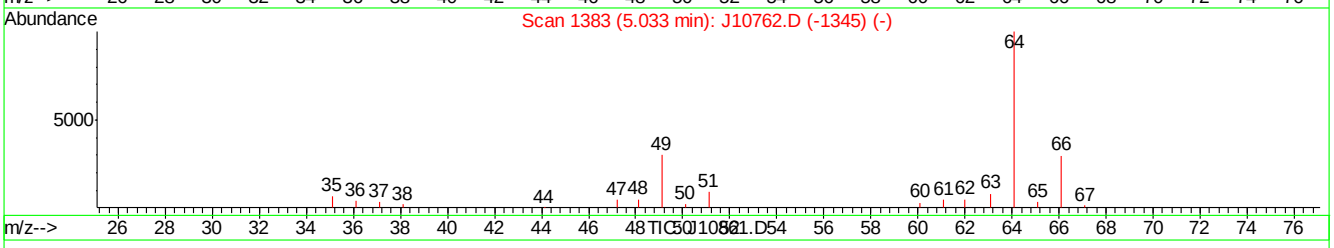
Data File : C:\MSDChem\1\data\J10861.D Vial: 1
Acq On : 5 Jul 2007 11:40 am Operator: danat
Sample : ic562-0.2 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

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







(9) CHLOROETHANE (m)

5.02min 0.15PPBV m

response 1880

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

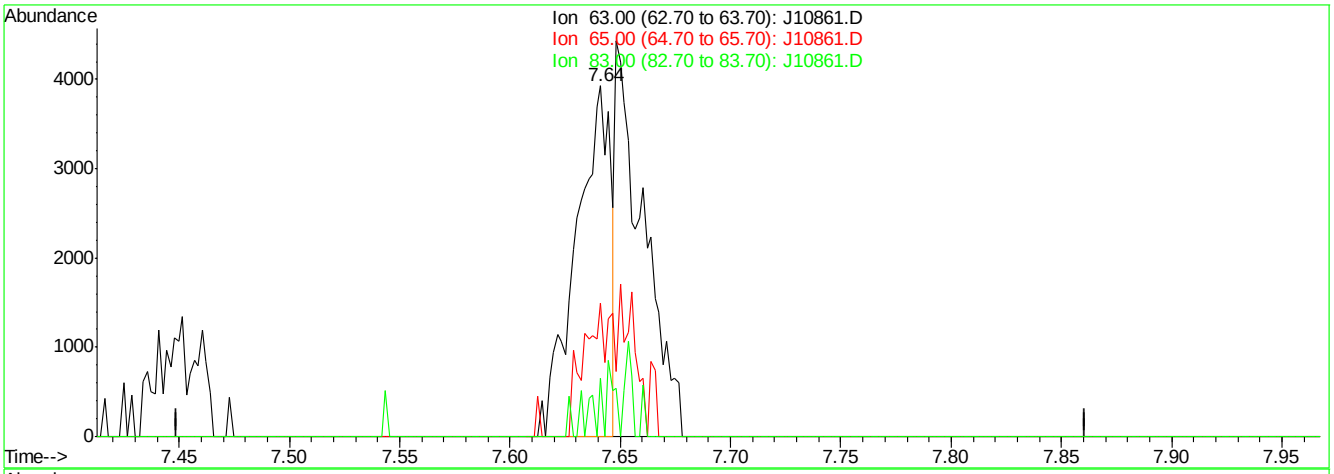
J10861.D J070507T.M Thu Jul 05 12:07:16 2007

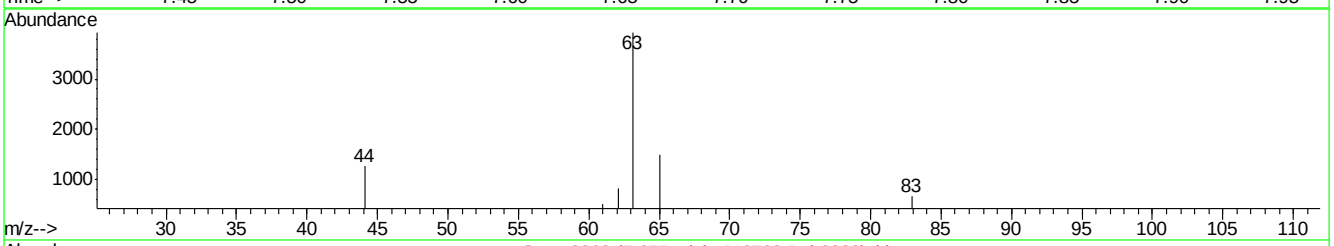
Quantitation Report (Qedit)

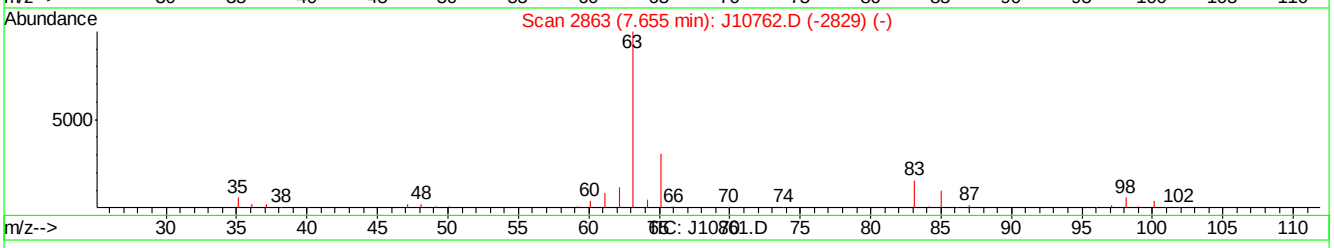
Data File : C:\MSDChem\1\data\J10861.D Vial: 1
Acq On : 5 Jul 2007 11:40 am Operator: danat
Sample : ic562-0.2 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

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







(27) 1,1-DICHLOROETHANE (m)

7.64min 0.08PPBV

response 4190

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

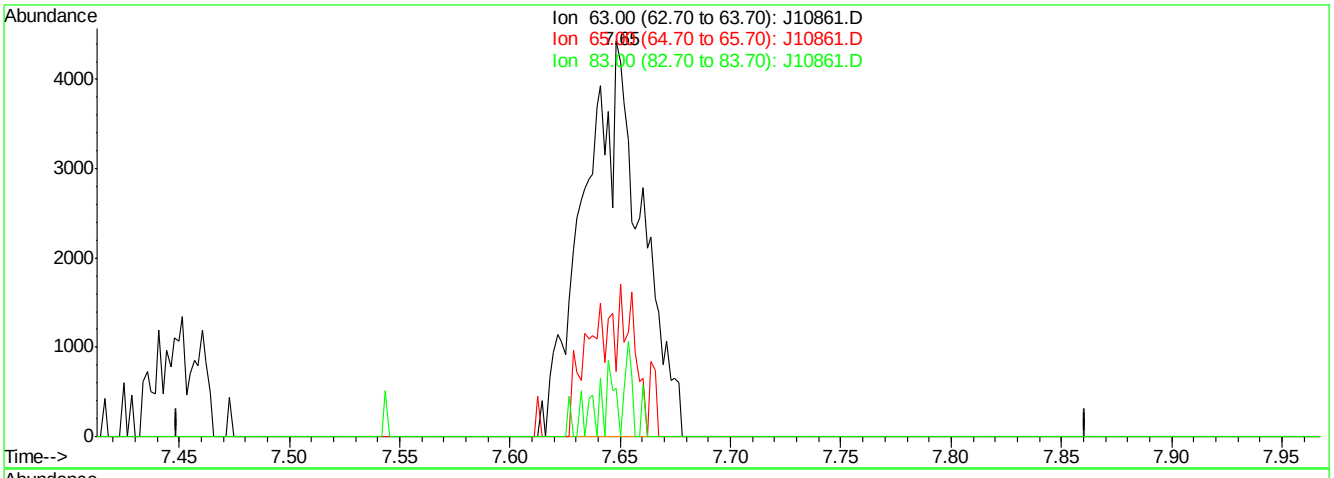
J10861.D J070507T.M Thu Jul 05 12:08:09 2007

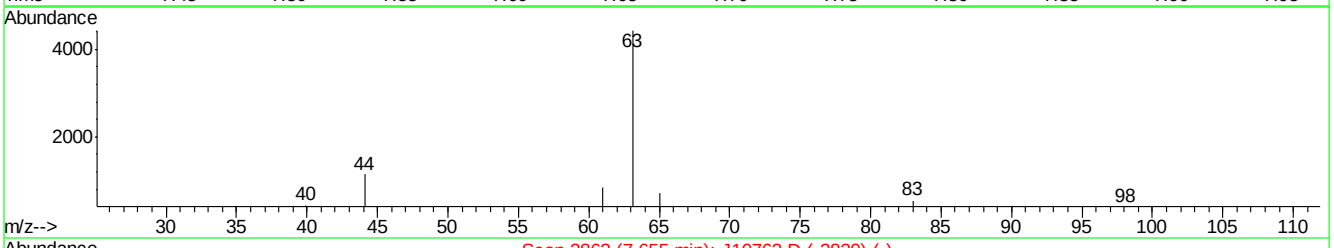
Quantitation Report (Qedit)

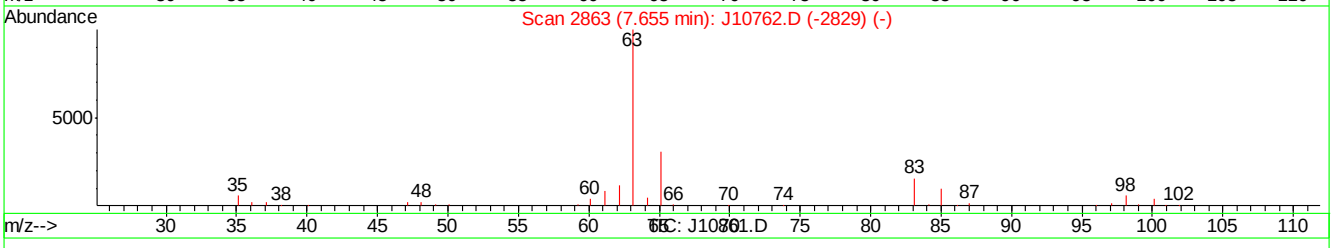
Data File : C:\MSDChem\1\data\J10861.D Vial: 1
Acq On : 5 Jul 2007 11:40 am Operator: danat
Sample : ic562-0.2 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

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







(27) 1,1-DICHLOROETHANE (m)

7.65min 0.16PPBV m

response 8089

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

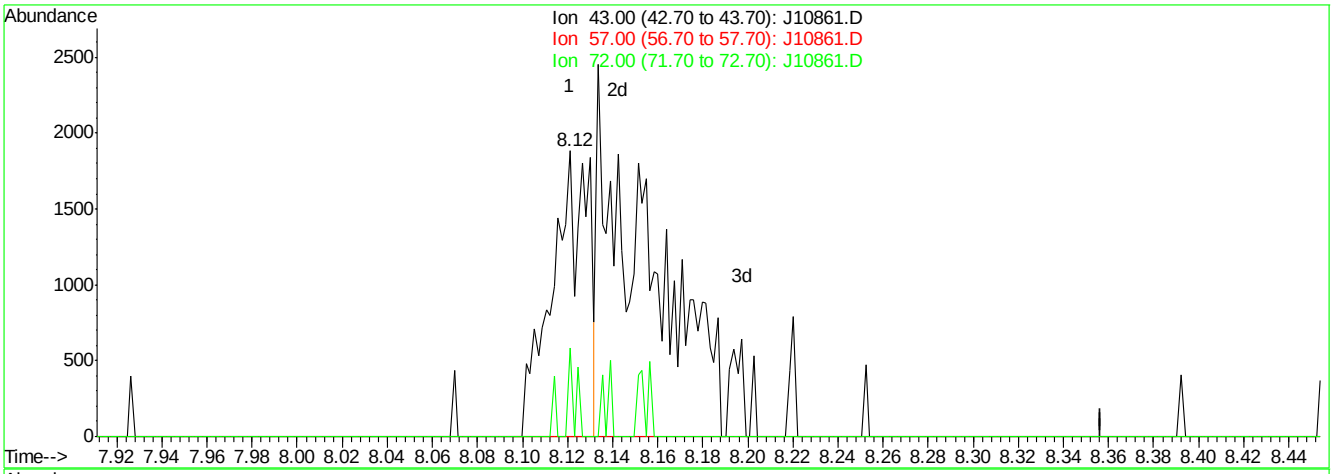
J10861.D J070507T.M Thu Jul 05 12:08:13 2007

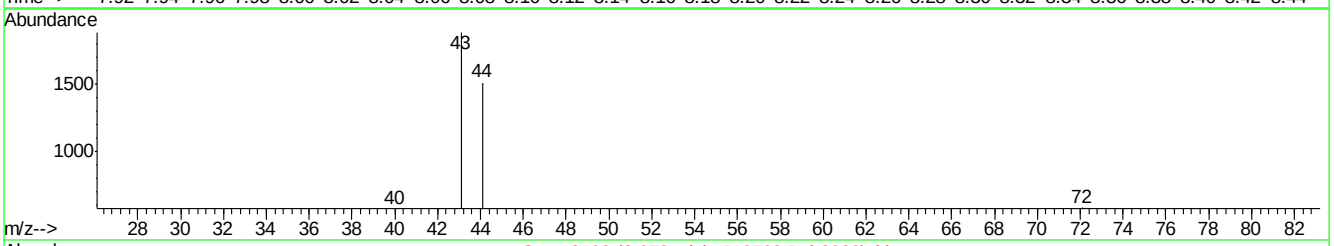
Quantitation Report (Qedit)

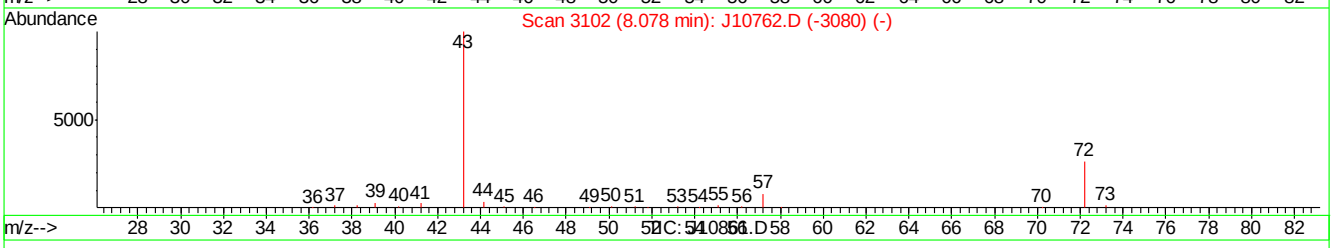
Data File : C:\MSDChem\1\data\J10861.D Vial: 1
Acq On : 5 Jul 2007 11:40 am Operator: danat
Sample : ic562-0.2 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

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







(28) METHYL ETHYL KETONE (m)

8.12min 0.05PPBV

response 2089

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

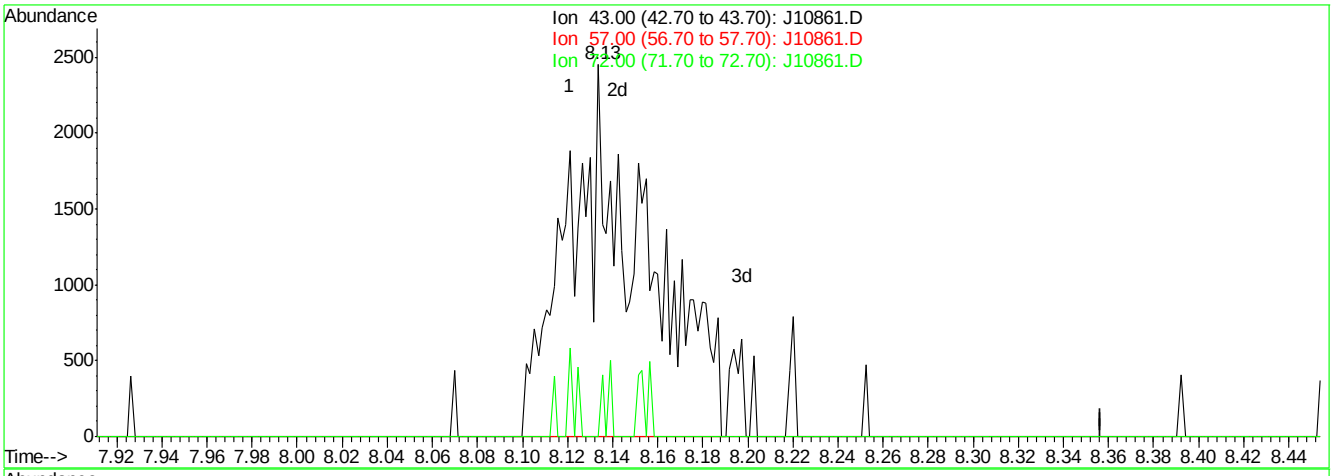
J10861.D J070507T.M Thu Jul 05 12:08:19 2007

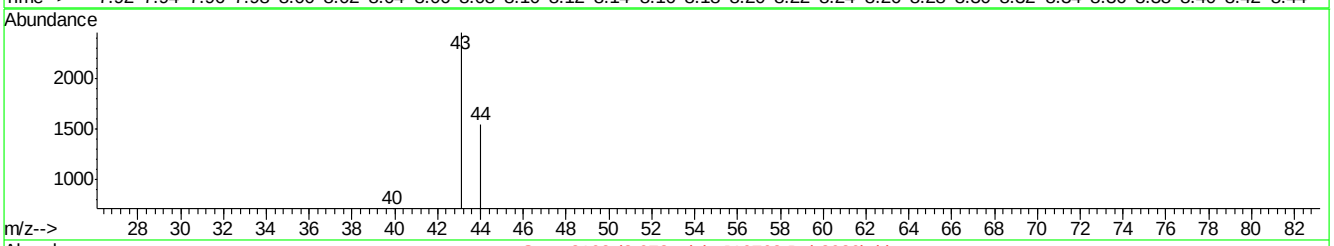
Quantitation Report (Qedit)

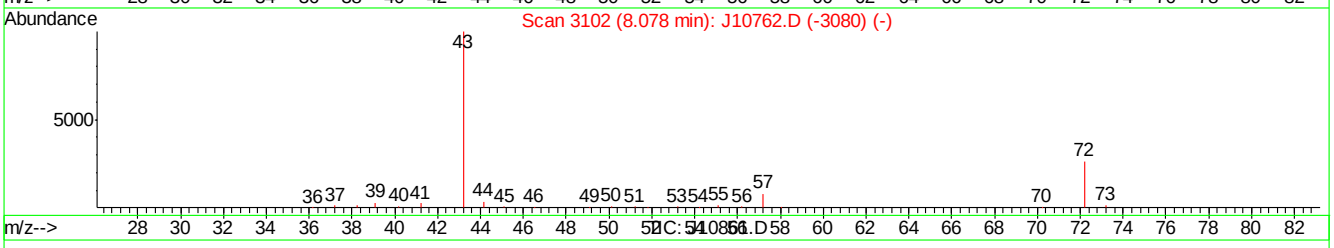
Data File : C:\MSDChem\1\data\J10861.D Vial: 1
Acq On : 5 Jul 2007 11:40 am Operator: danat
Sample : ic562-0.2 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

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







(28) METHYL ETHYL KETONE (m)

8.13min 0.15PPBV m

response 5695

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

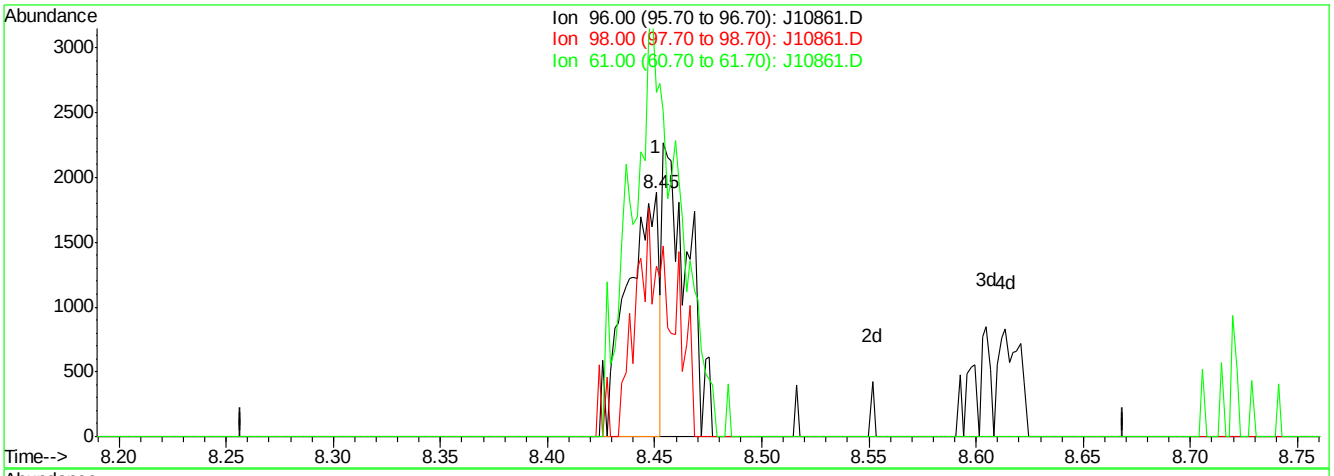
J10861.D J070507T.M Thu Jul 05 12:08:24 2007

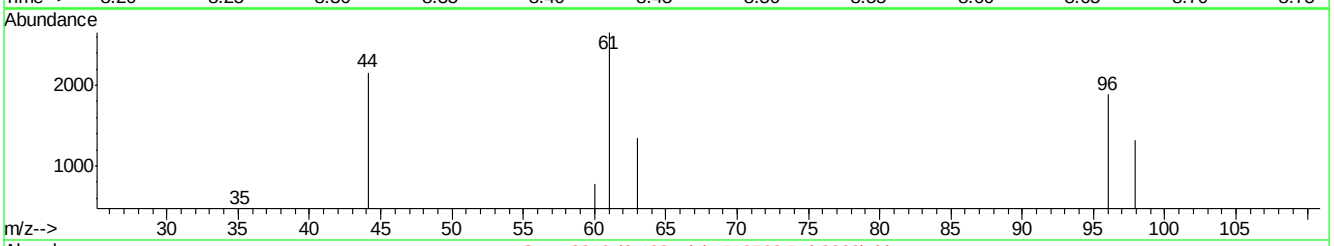
Quantitation Report (Qedit)

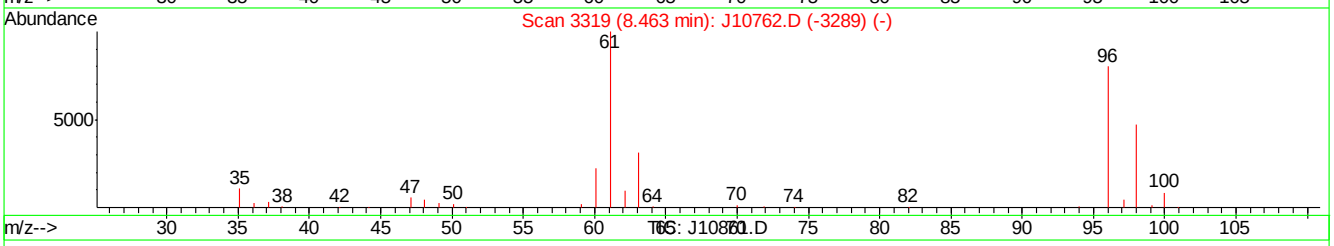
Data File : C:\MSDChem\1\data\J10861.D Vial: 1
Acq On : 5 Jul 2007 11:40 am Operator: danat
Sample : ic562-0.2 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

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







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

8.45min 0.07PPBV

response 1947

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

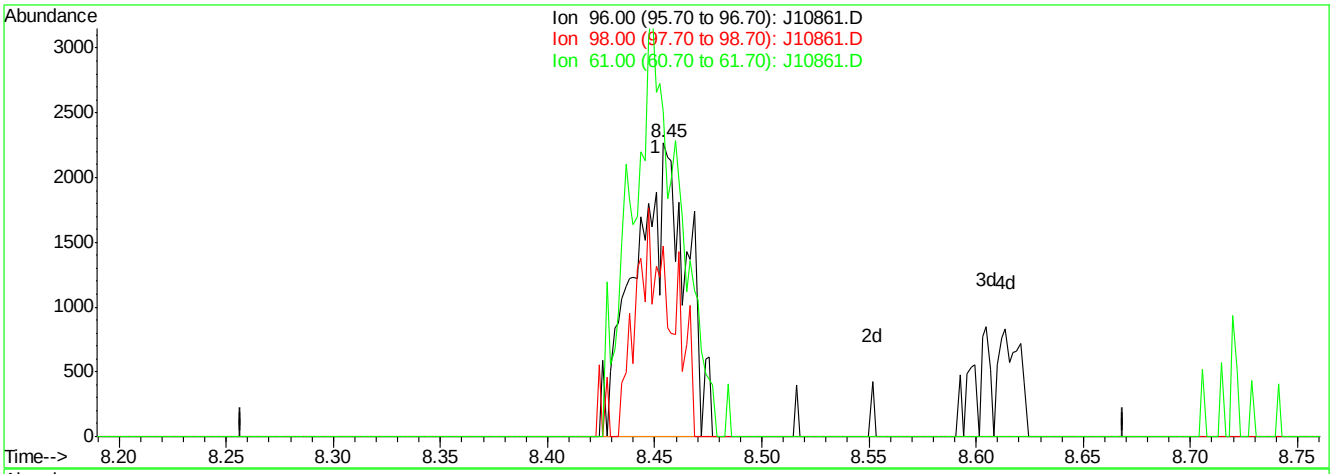
J10861.D J070507T.M Thu Jul 05 12:08:30 2007

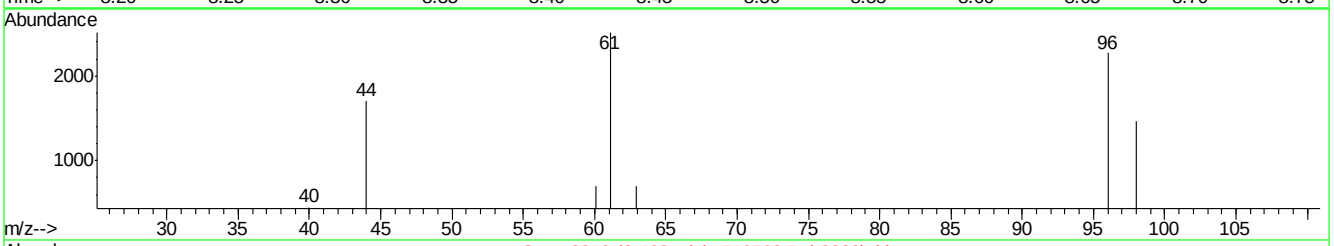
Quantitation Report (Qedit)

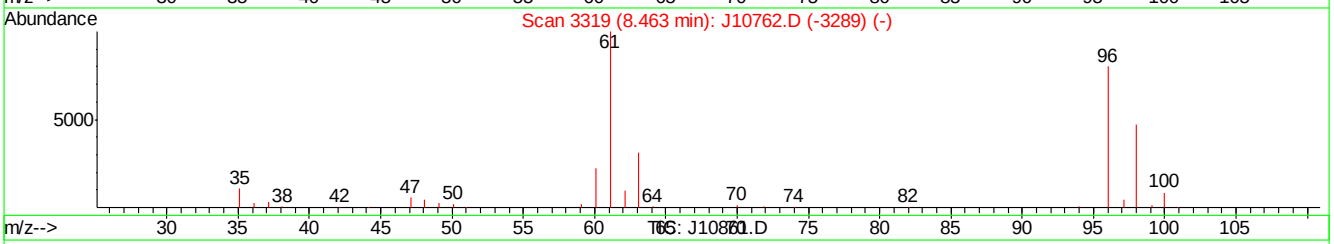
Data File : C:\MSDChem\1\data\J10861.D Vial: 1
Acq On : 5 Jul 2007 11:40 am Operator: danat
Sample : ic562-0.2 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

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







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

8.45min 0.14PPBV m

response 3794

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

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

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

Quantitation Report (QT Reviewed)

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

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	350136	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.45	114	1441648	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.70	117	1373333	10.00	PPBV	0.02
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.32	95	492873	5.68	PPBV	0.03
Spiked Amount 5.000	Range 51 - 142		Recovery	= 113.60%		
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.07	85	4444007	35.65	PPBV	99
3) PROPYLENE	3.99	41	815972	44.50	PPBV	100
4) FREON 114	4.32	85	4101699	37.77	PPBV	98
5) CHLOROMETHANE	4.23	50	1068221	39.59	PPBV	97
6) VINYL CHLORIDE	4.44	62	1260210	40.71	PPBV	99
7) 1,3-BUTADIENE	4.57	39	995442	45.46	PPBV	96
8) BROMOMETHANE	4.85	94	1361965	38.79	PPBV	99
9) CHLOROETHANE	5.01	64	596148	41.60	PPBV	99
10) TRICHLOROFLUOROMETHANE	5.78	101	4564557	34.85	PPBV	100
11) ISOPROPYL ALCOHOL	6.04	45	1543457m	38.89	PPBV	
12) ACETONE	5.64	43	1581089	23.31	PPBV	98
13) PENTANE	6.12	42	1150710	35.99	PPBV	99
14) 1,1-DICHLOROETHYLENE	6.41	96	1386047	41.48	PPBV	99
15) CARBON DISULFIDE	6.83	76	3945499	38.93	PPBV	99
16) ETHANOL	5.23	45	276078	39.16	PPBV	87
17) BROMOETHENE	5.37	106	1382133	40.81	PPBV	99
18) METHYLENE CHLORIDE	6.53	84	1229697	19.57	PPBV	97
19) 3-CHLOROPROPENE	6.65	39	1373628	52.05	PPBV	89
20) FREON 113	6.77	151	2904178	35.42	PPBV	96
21) TRANS-1,2-DICHLOROETHYLENE	7.44	96	1377181	42.68	PPBV	99
22) TERTIARY BUTYL ALCOHOL	6.65	59	1955300m	44.82	PPBV	
23) METHYL TERTIARY BUTYL ETHE	7.72	73	2924308	43.75	PPBV	98
24) TETRAHYDROFURAN	9.17	42	964987	47.57	PPBV	98
25) HEXANE	8.62	57	1620784	39.94	PPBV	98
26) VINYL ACETATE	7.80	43	2065370	46.38	PPBV	98
27) 1,1-DICHLOROETHANE	7.65	63	2382057	42.28	PPBV	99
28) METHYL ETHYL KETONE	8.09	43	1890243	44.58	PPBV	95
29) cis-1,2-DICHLOROETHYLENE	8.45	96	1379003	44.82	PPBV	98
30) ETHYL ACETATE	8.70	43	2142500	48.89	PPBV	96
31) CHLOROFORM	8.75	83	3258334	41.25	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.68	97	3768097	41.18	PPBV	99
33) CARBON TETRACHLORIDE	10.26	117	4303561	37.98	PPBV	100
34) 1,2-DICHLOROETHANE	9.46	62	1920339	42.15	PPBV	99
36) BENZENE	10.13	78	3699200	54.81	PPBV	99
37) CYCLOHEXANE	10.36	84	1606095	49.10	PPBV	97
38) TRICHLOROETHYLENE	11.13	95	1903469	51.06	PPBV	100
39) 1,2-DICHLOROPROPANE	10.91	63	1202107	52.61	PPBV	96
40) BROMODICHLOROMETHANE	11.11	83	3256427	48.55	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.13	57	5986544	58.67	PPBV	98
42) 1,4-DIOXANE	11.20	88	646557	51.51	PPBV	94
43) HEPTANE	11.37	43	1890518	58.66	PPBV	99

Quantitation Report (QT Reviewed)

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

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

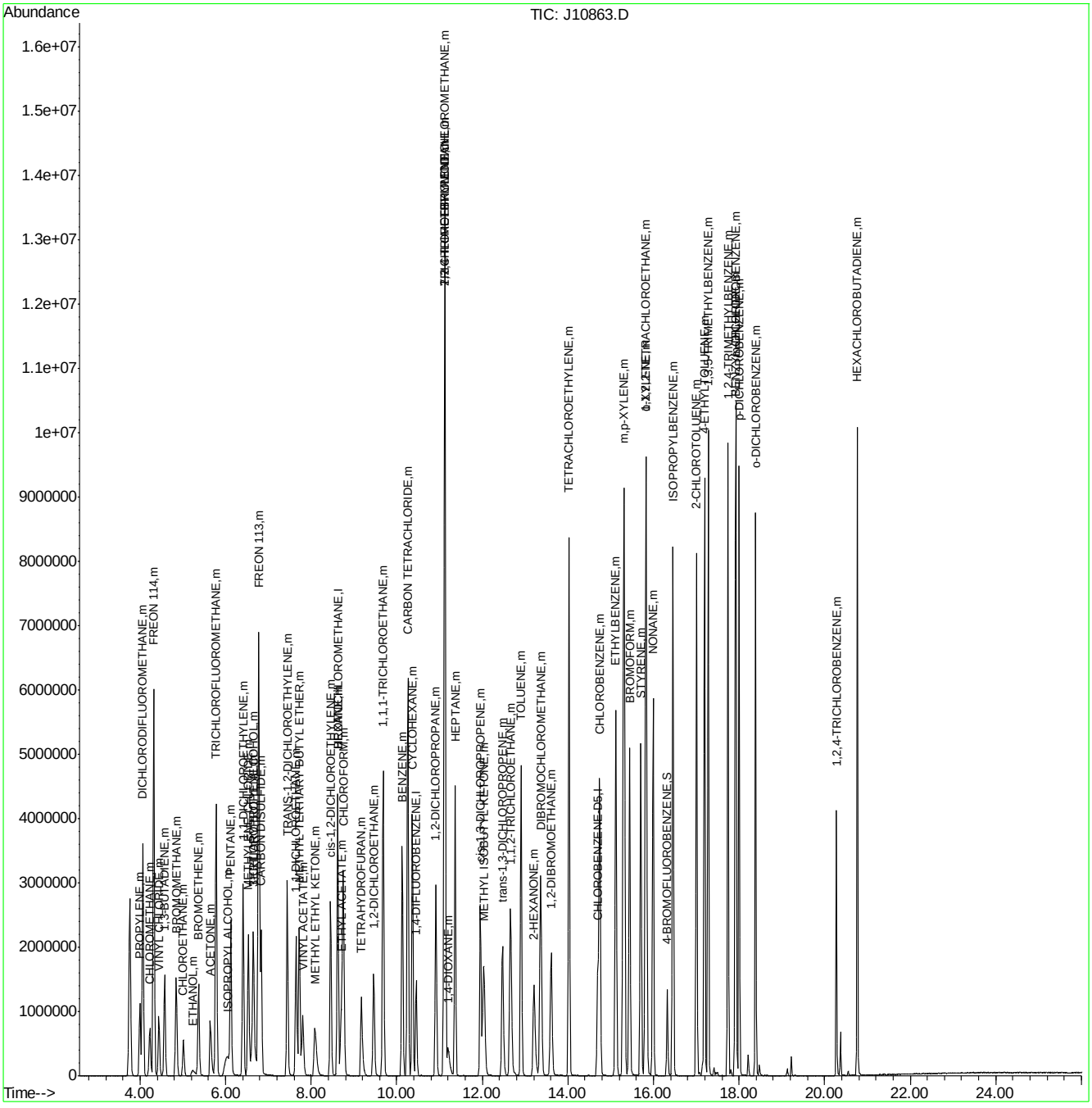
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.03	43	2305916	56.42	PPBV	99
45) cis-1,3-DICHLOROPROPENE	11.95	75	1815083	59.05	PPBV	96
46) TOLUENE	12.90	92	2637403	58.93	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.47	75	1814273	63.58	PPBV	97
48) 1,1,2-TRICHLOROETHANE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

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

Quantitation Report (QT Reviewed)

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

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

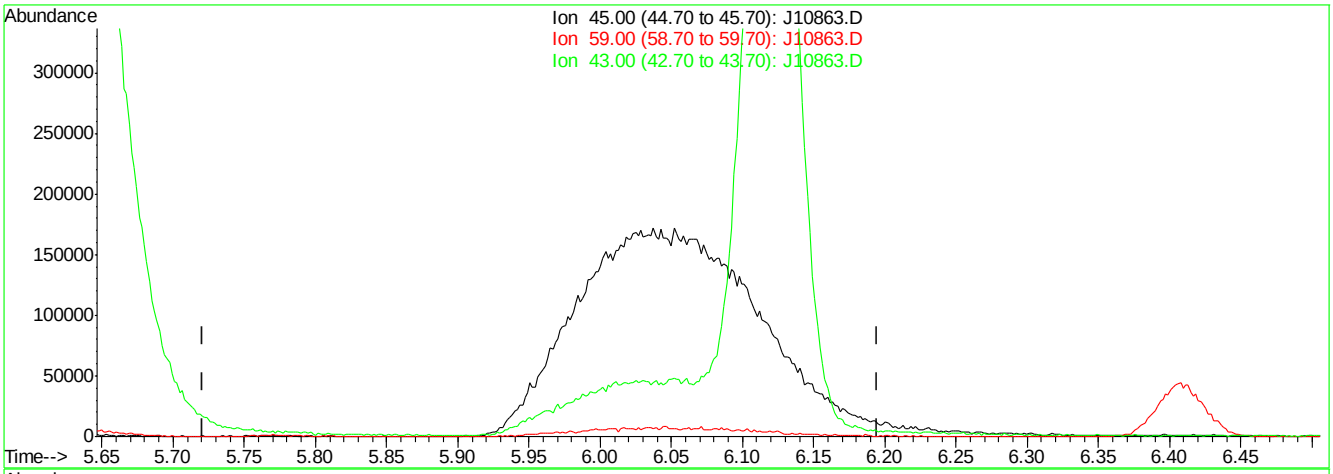


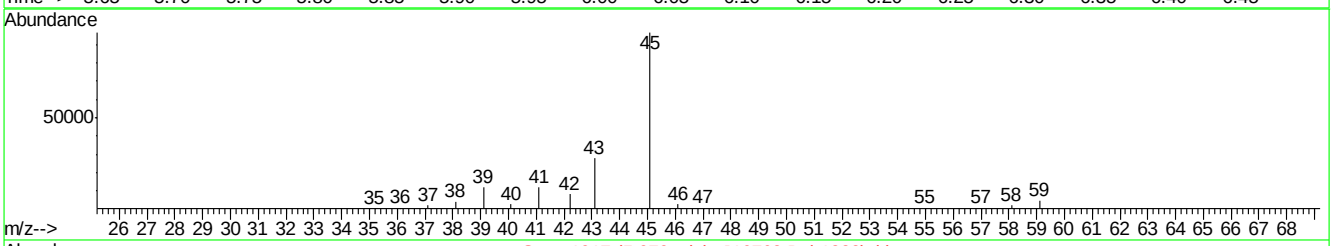
Quantitation Report (Qedit)

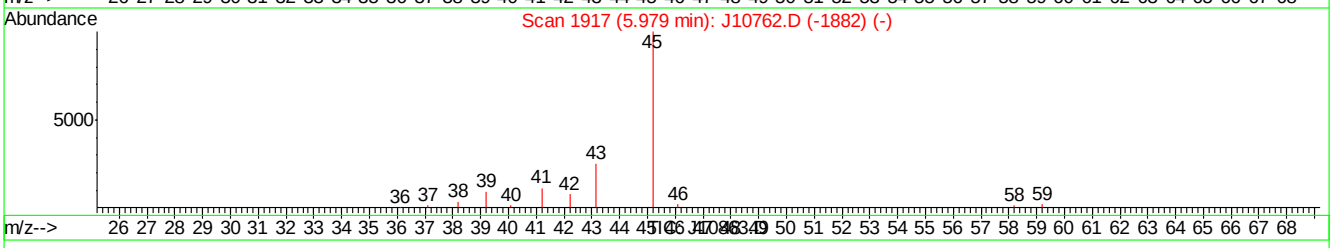
Data File : C:\MSDChem\1\data\J10863.D Vial: 1
Acq On : 5 Jul 2007 1:26 pm Operator: danat
Sample : ic562-40 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

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







(11) ISOPROPYL ALCOHOL (m)

5.98min 0.00PPBV

response 0

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

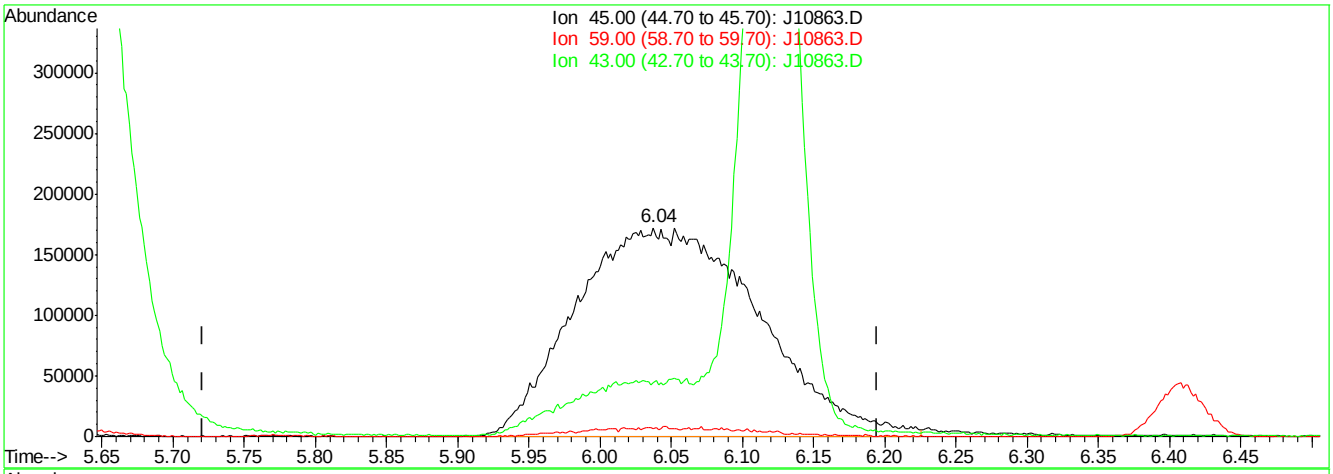
J10863.D J070507T.M Thu Jul 05 13:57:14 2007

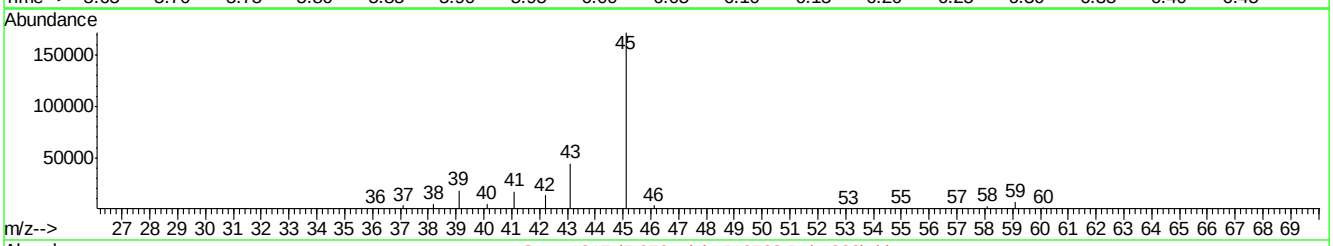
Quantitation Report (Qedit)

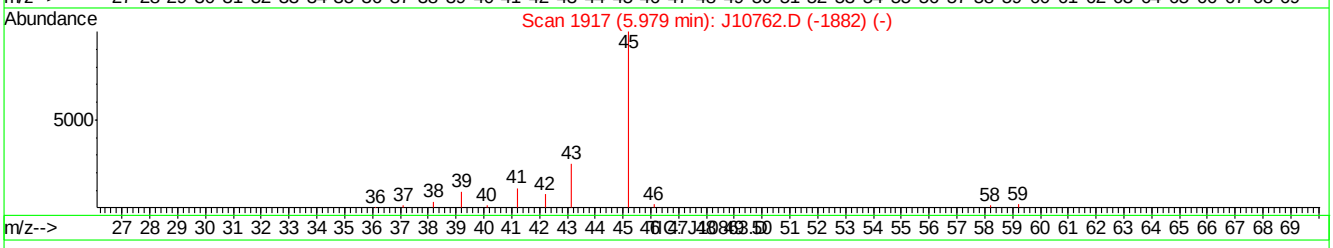
Data File : C:\MSDChem\1\data\J10863.D Vial: 1
Acq On : 5 Jul 2007 1:26 pm Operator: danat
Sample : ic562-40 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

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







(11) ISOPROPYL ALCOHOL (m)

6.04min 38.89PPBV m

response 1543457

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

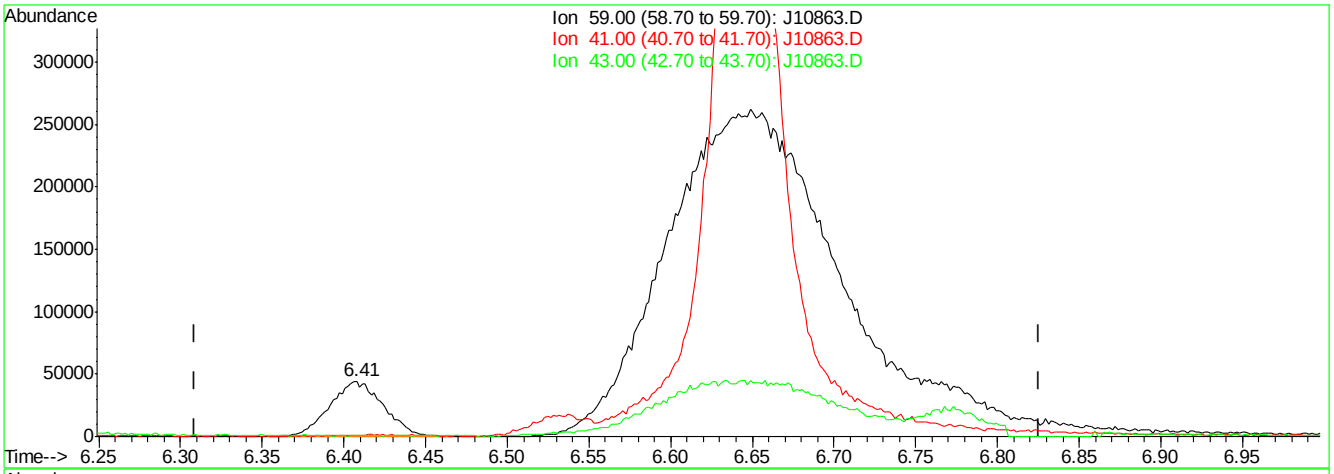
J10863.D J070507T.M Thu Jul 05 13:57:20 2007

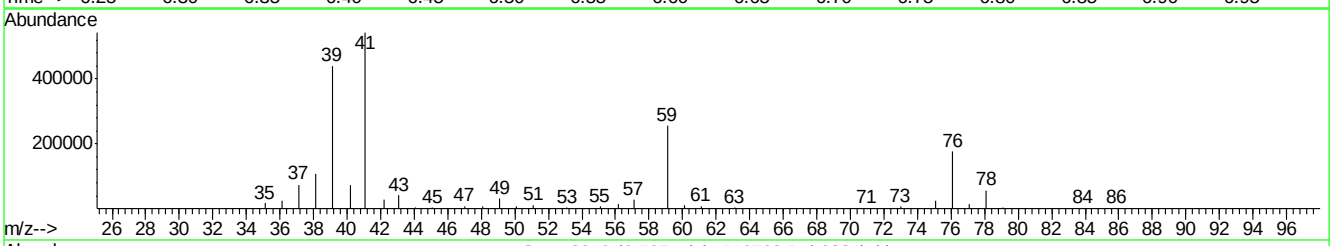
Quantitation Report (Qedit)

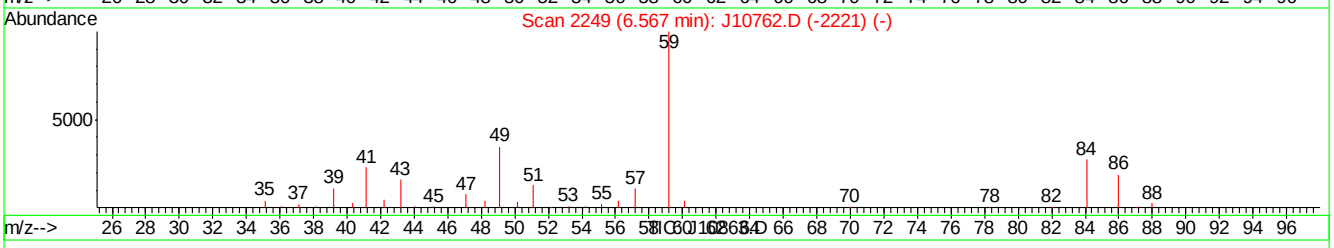
Data File : C:\MSDChem\1\data\J10863.D Vial: 1
Acq On : 5 Jul 2007 1:26 pm Operator: danat
Sample : ic562-40 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

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







(22) TERTIARY BUTYL ALCOHOL (m)

6.41min 2.31PPBV

response 100889

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

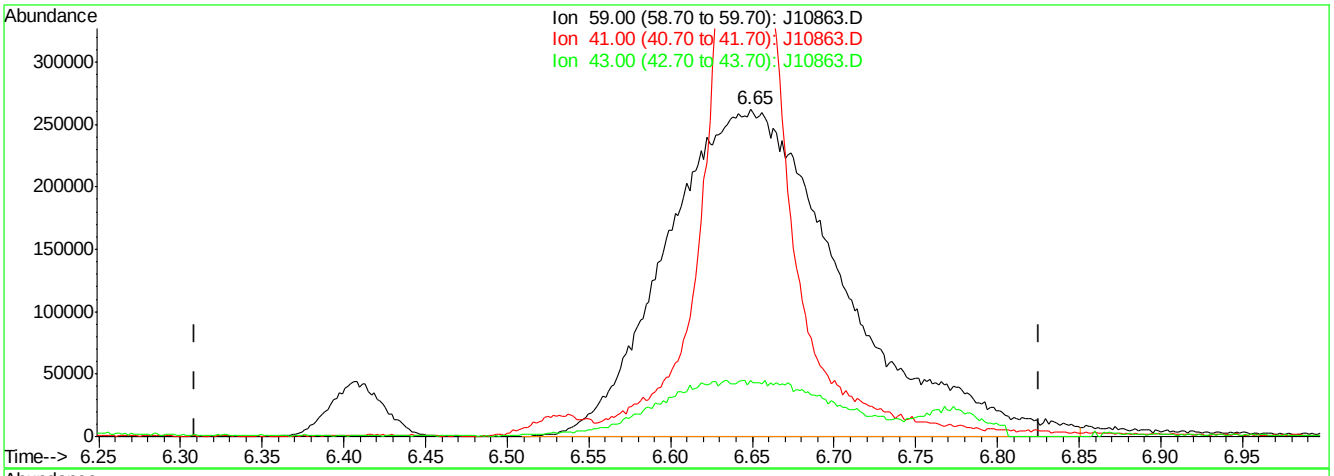
J10863.D J070507T.M Thu Jul 05 13:57:43 2007

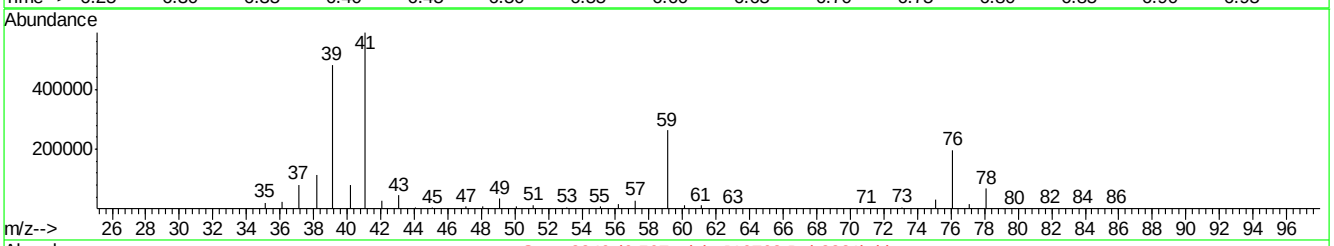
Quantitation Report (Qedit)

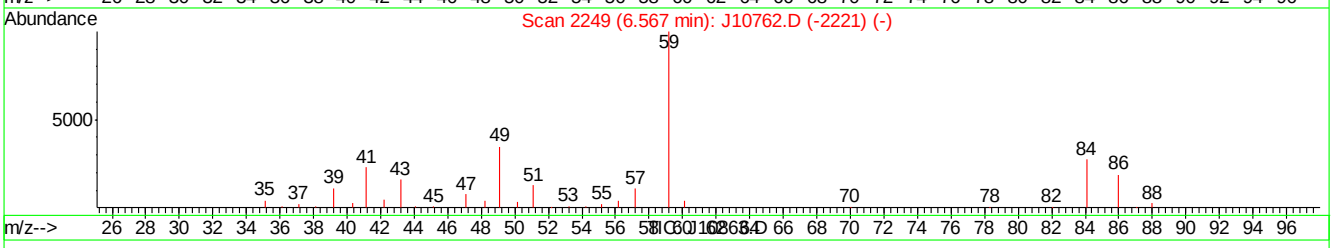
Data File : C:\MSDChem\1\data\J10863.D Vial: 1
Acq On : 5 Jul 2007 1:26 pm Operator: danat
Sample : ic562-40 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

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







(22) TERTIARY BUTYL ALCOHOL (m)

6.65min 44.82PPBV m

response 1955300

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

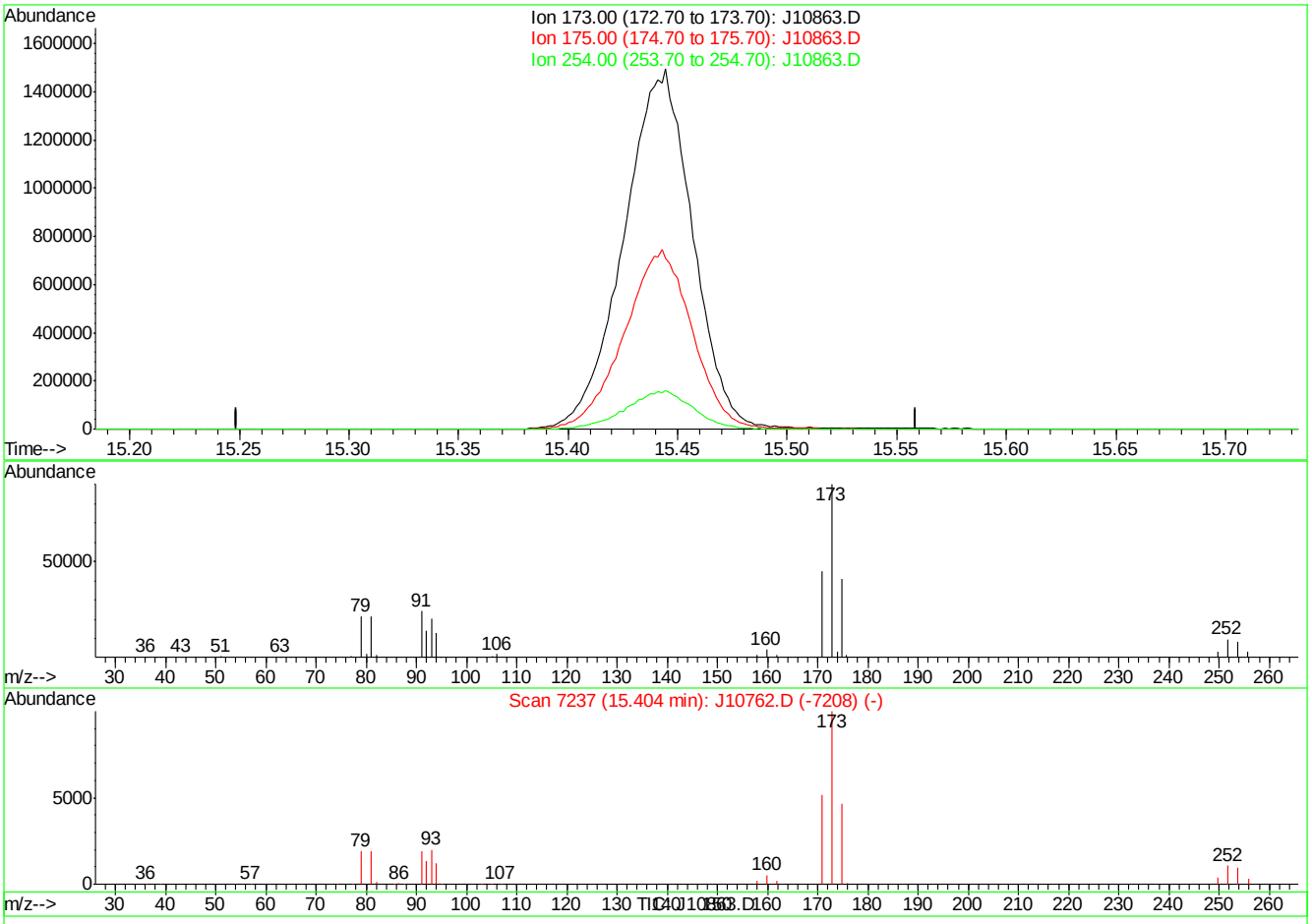
J10863.D J070507T.M Thu Jul 05 13:57:49 2007

Quantitation Report (Qedit)

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

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

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



(60) BROMOFORM (m)

15.40min 0.00PPBV

response 0

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

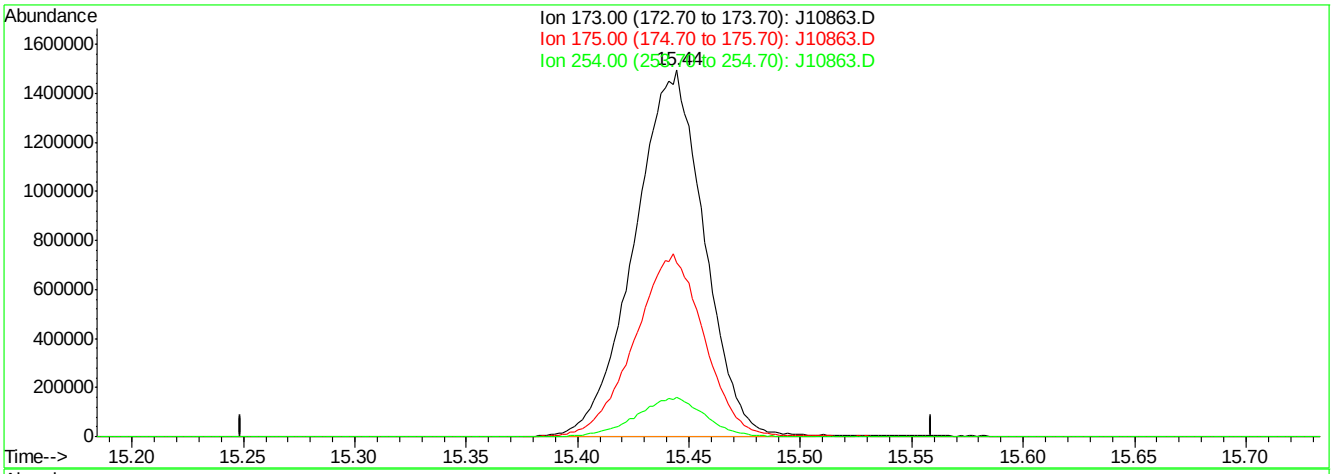
J10863.D J070507T.M Thu Jul 05 13:58:23 2007

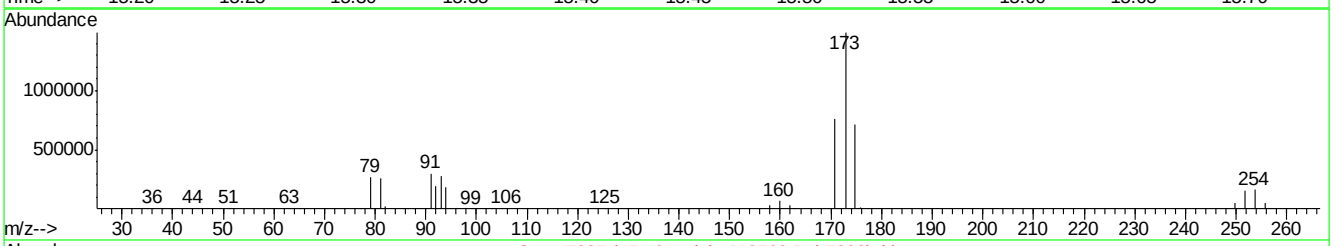
Quantitation Report (Qedit)

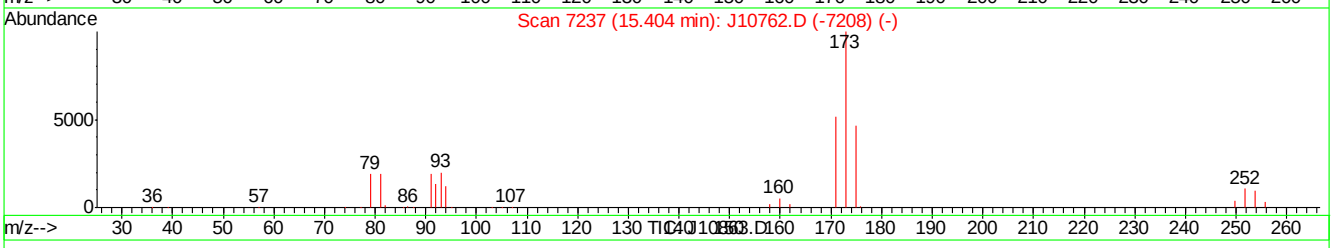
Data File : C:\MSDChem\1\data\J10863.D Vial: 1
Acq On : 5 Jul 2007 1:26 pm Operator: danat
Sample : ic562-40 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

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







(60) BROMOFORM (m)

15.44min 49.55PPBV m

response 3253840

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

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

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

Quantitation Report (QT Reviewed)

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

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

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

Quantitation Report (QT Reviewed)

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

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

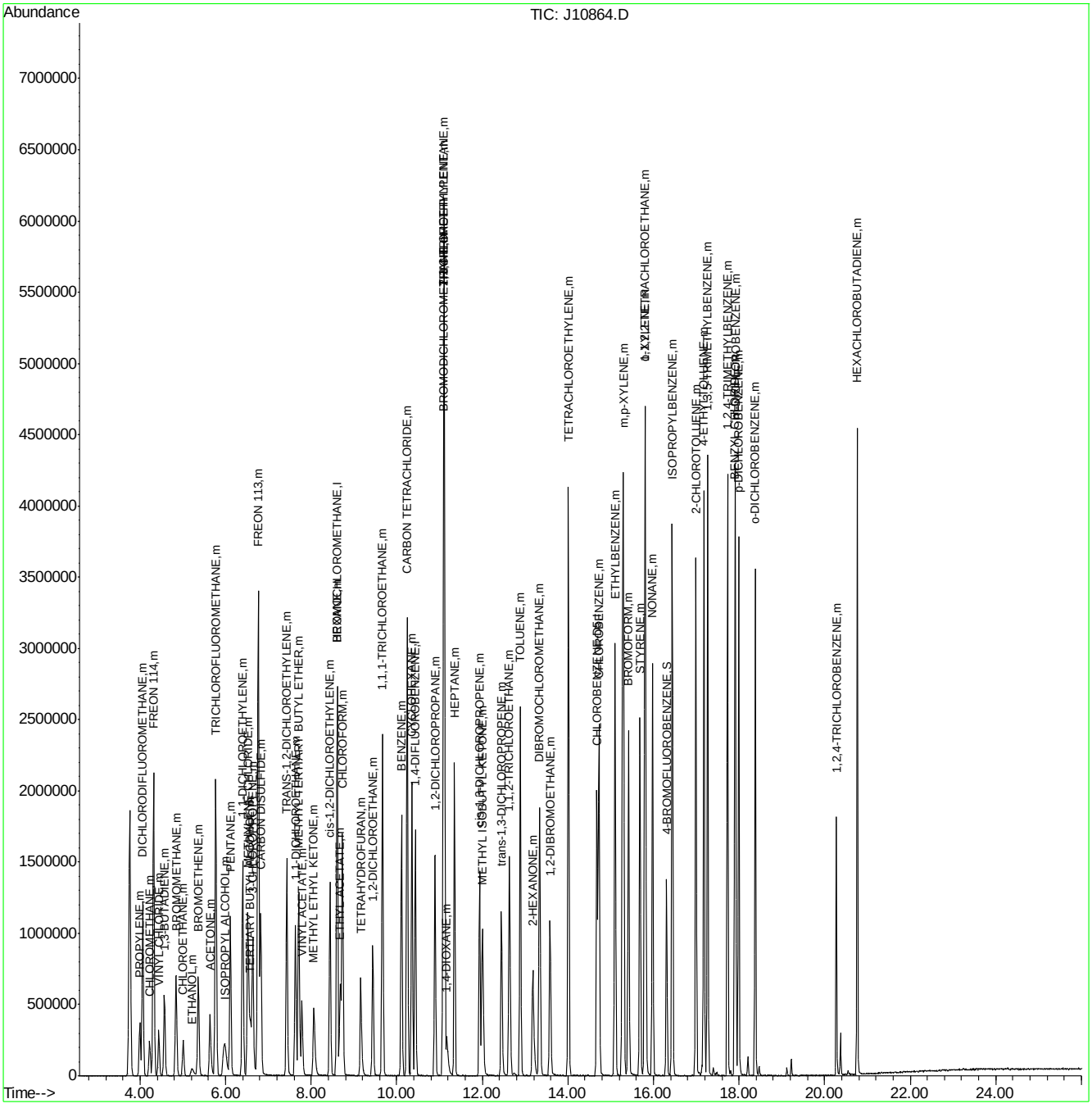
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.00	43	1043161	24.23	PPBV	99
45) cis-1,3-DICHLOROPROPENE	11.93	75	842953	26.03	PPBV	98
46) TOLUENE	12.89	92	1184576	25.13	PPBV	100
47) trans-1,3-DICHLOROPROPENE	12.45	75	814312m	27.09	PPBV	
48) 1,1,2-TRICHLOROETHANE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

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

Quantitation Report (QT Reviewed)

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

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



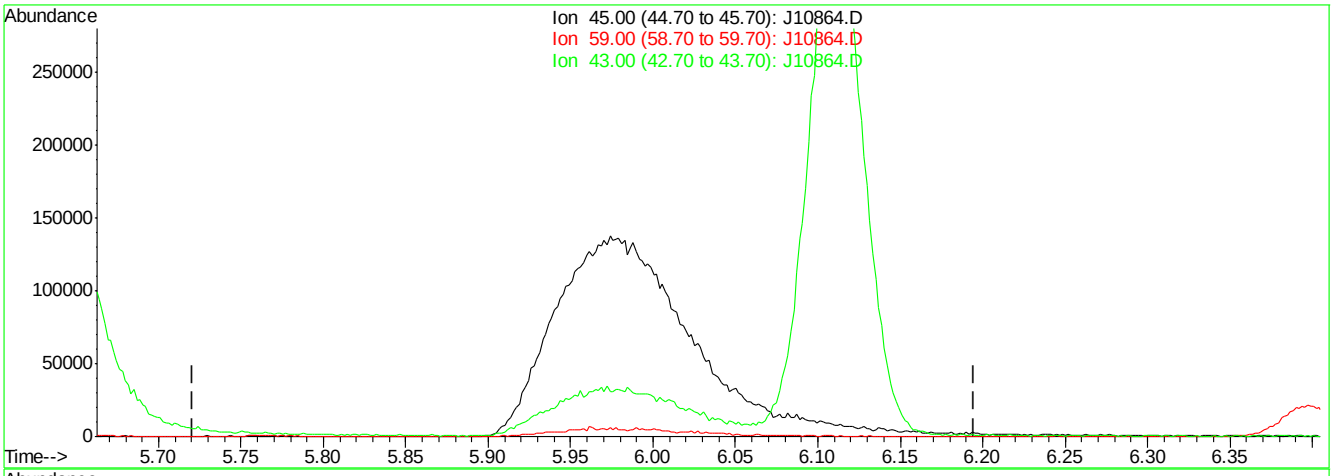
ACCUTEST Laboratories M66976

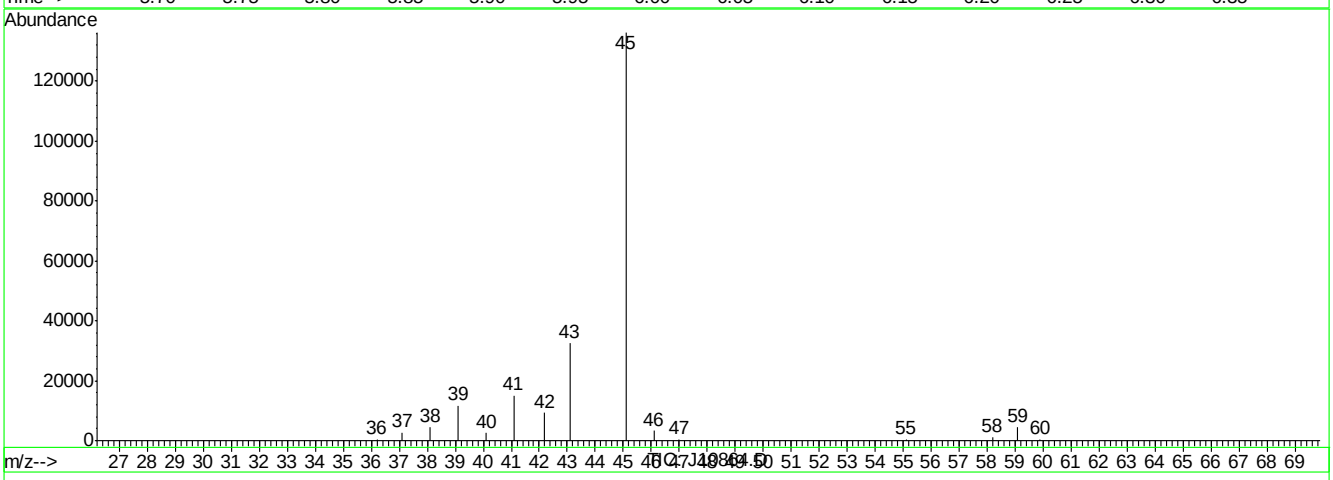
Quantitation Report (Qedit)

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

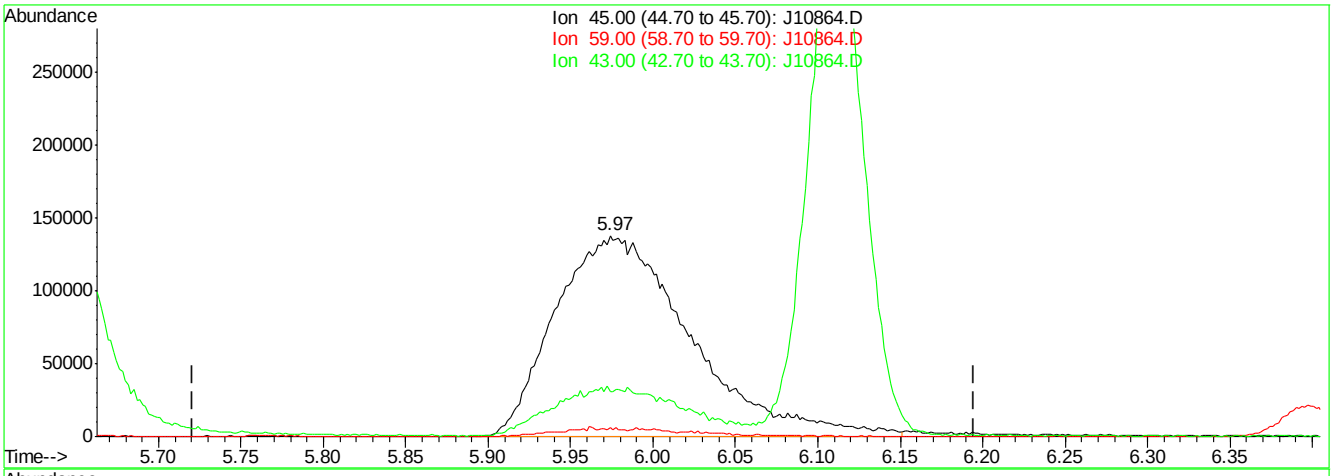
J10864.D J070507T.M Thu Jul 05 15:01:08 2007

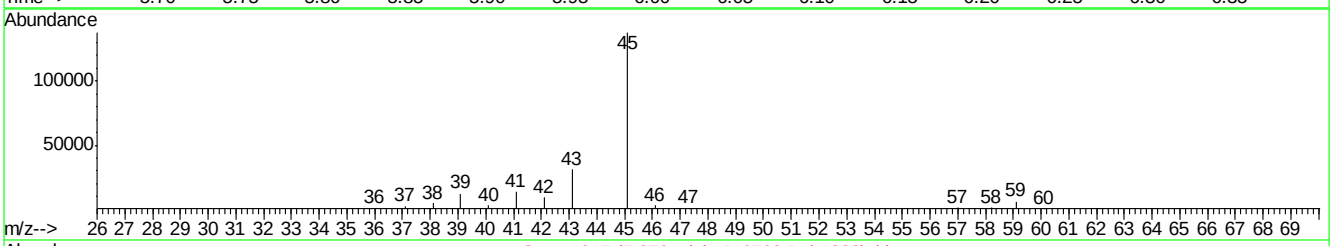
Quantitation Report (Qedit)

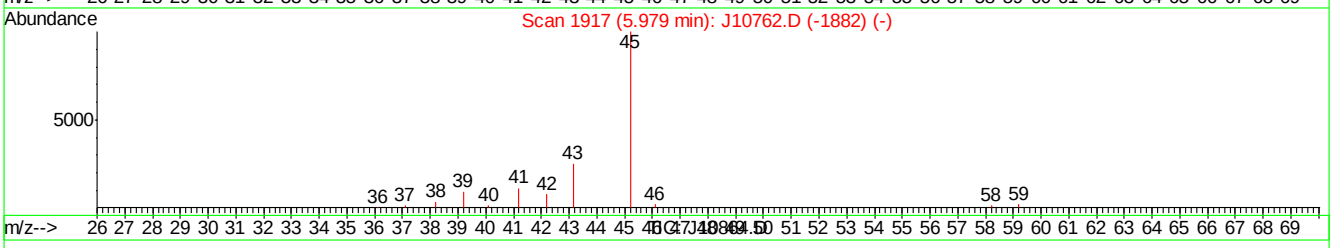
Data File : C:\MSDChem\1\data\J10864.D Vial: 1
Acq On : 5 Jul 2007 2:22 pm Operator: danat
Sample : ic562-20 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

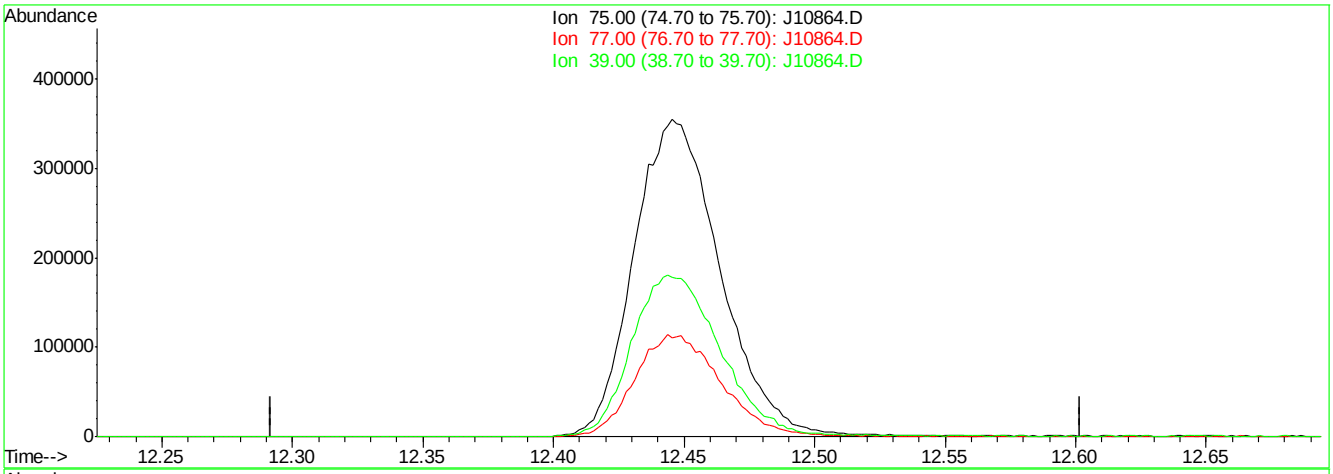
J10864.D J070507T.M Thu Jul 05 15:01:16 2007

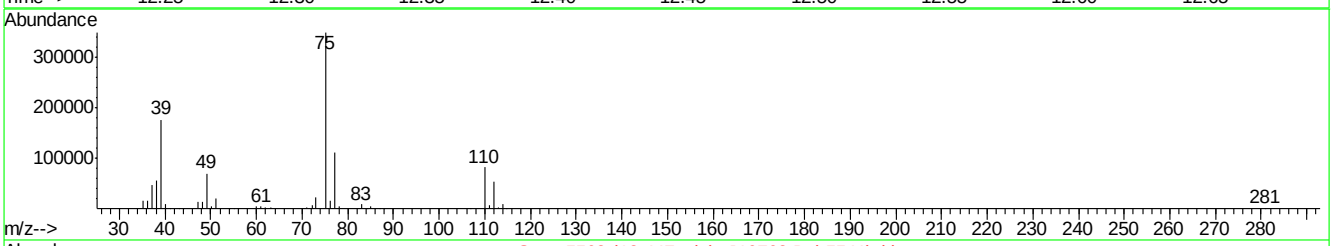
Quantitation Report (Qedit)

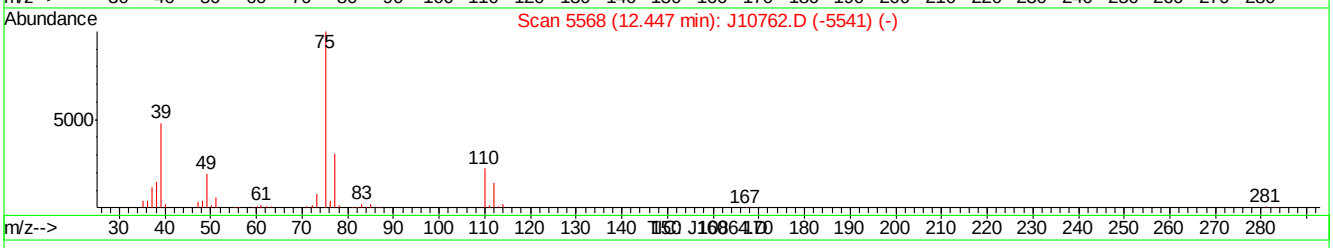
Data File : C:\MSDChem\1\data\J10864.D Vial: 1
Acq On : 5 Jul 2007 2:22 pm Operator: danat
Sample : ic562-20 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

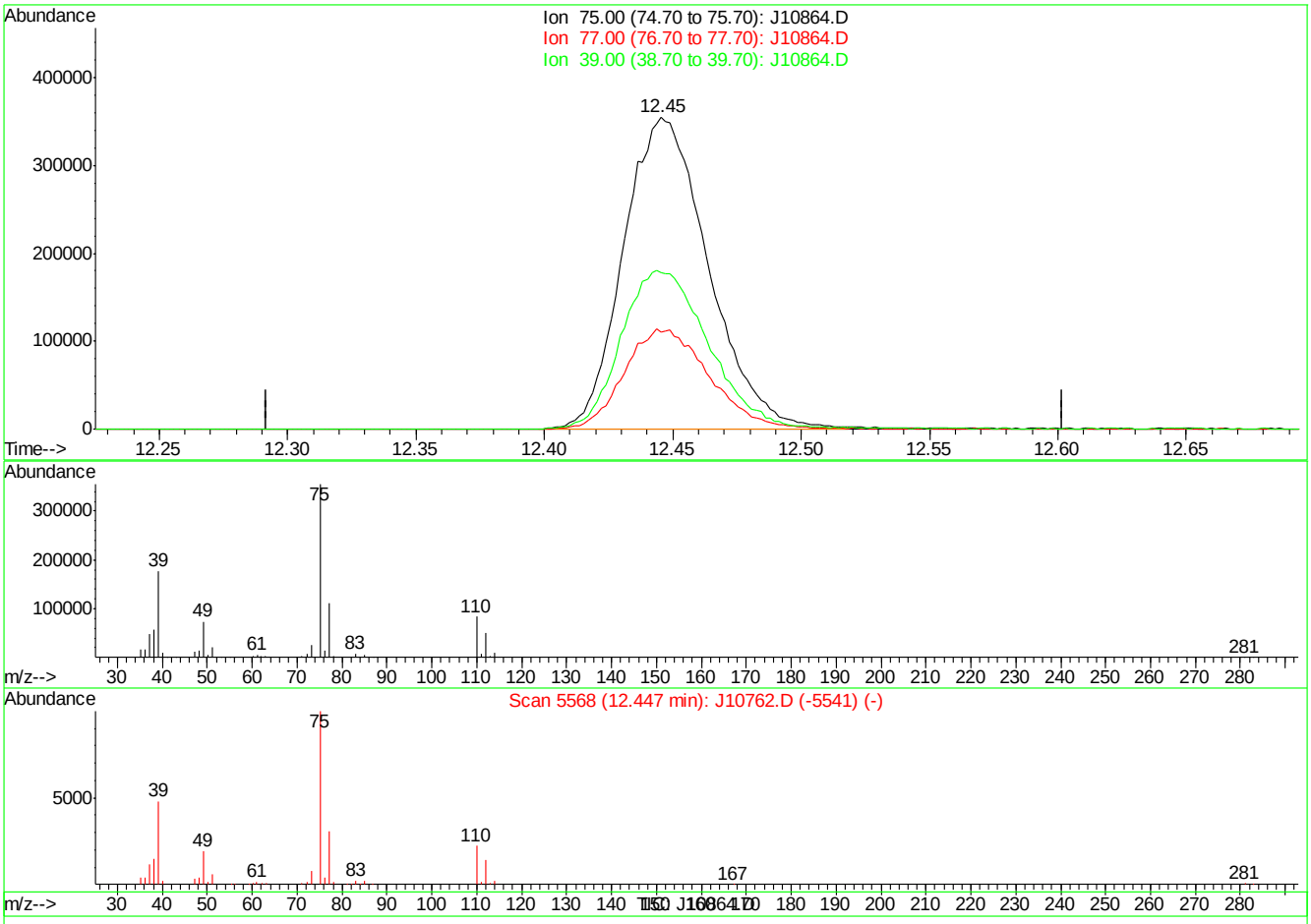
J10864.D J070507T.M Thu Jul 05 15:01:49 2007

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

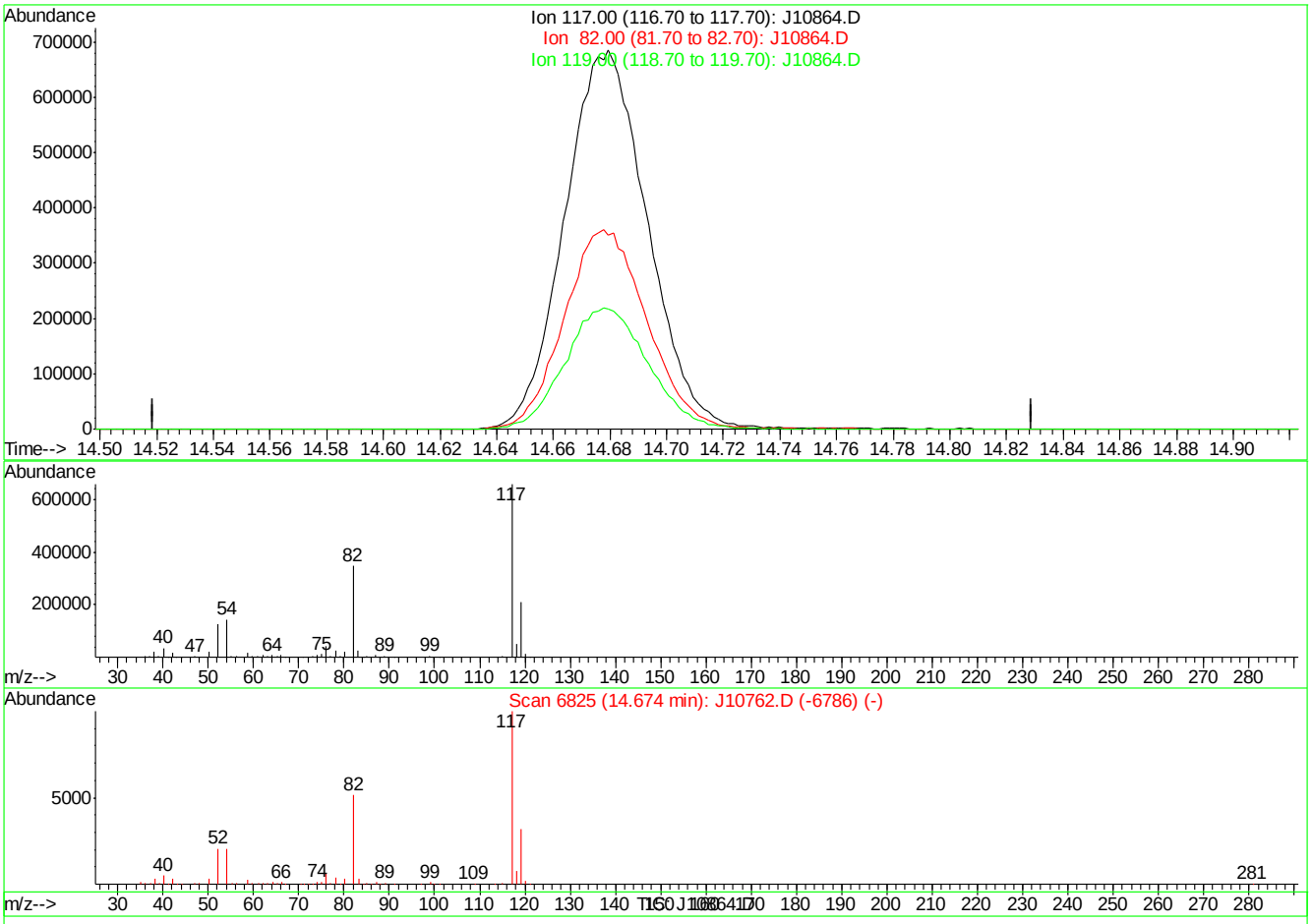
J10864.D J070507T.M Thu Jul 05 15:01:55 2007

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

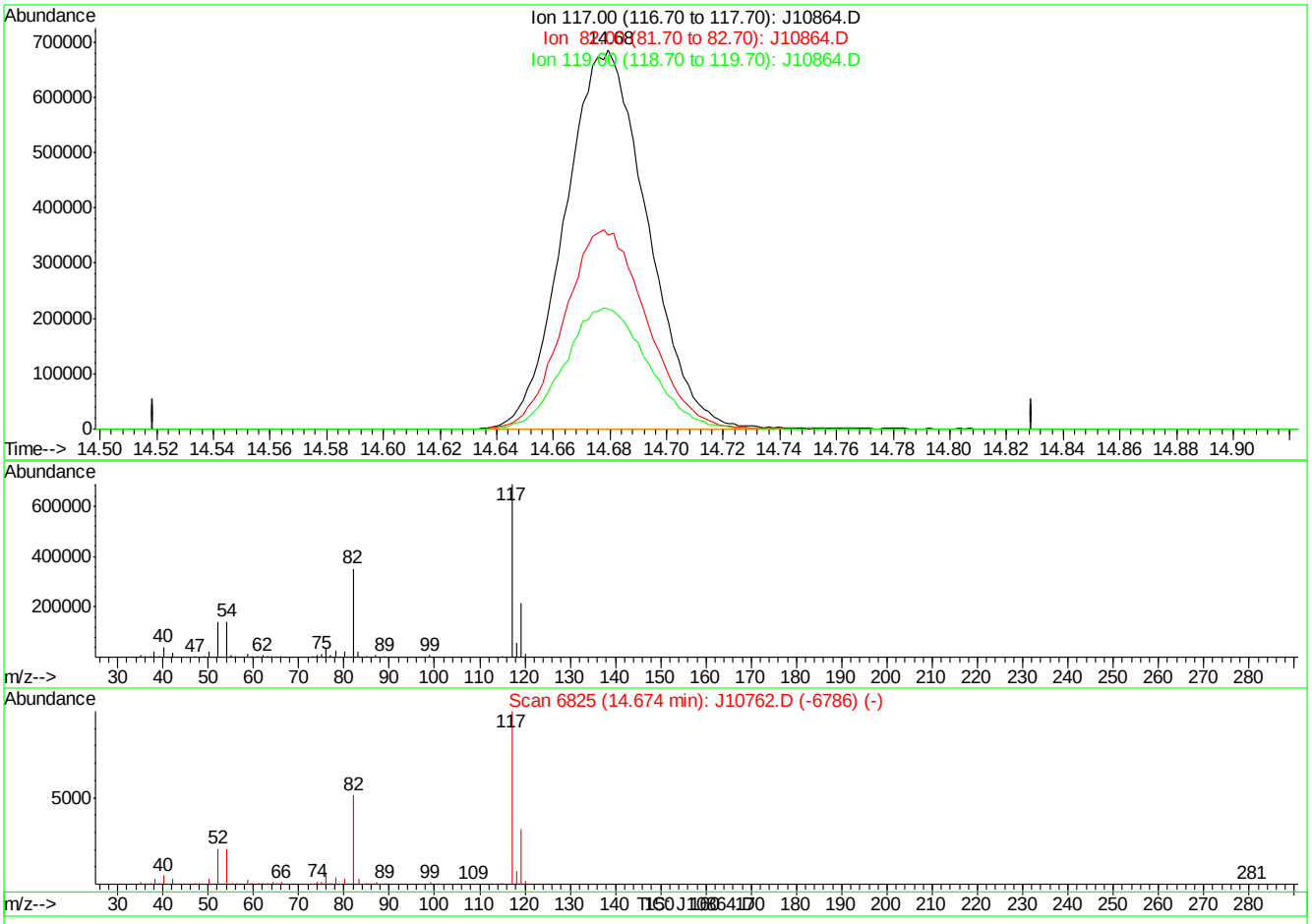
J10864.D J070507T.M Thu Jul 05 15:02:00 2007

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

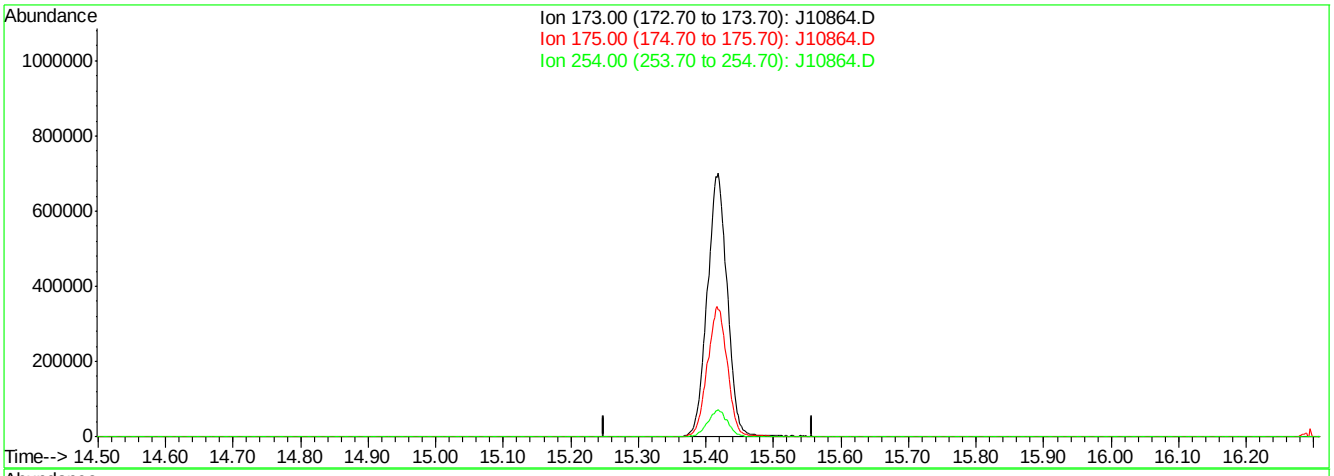
J10864.D J070507T.M Thu Jul 05 15:02:05 2007

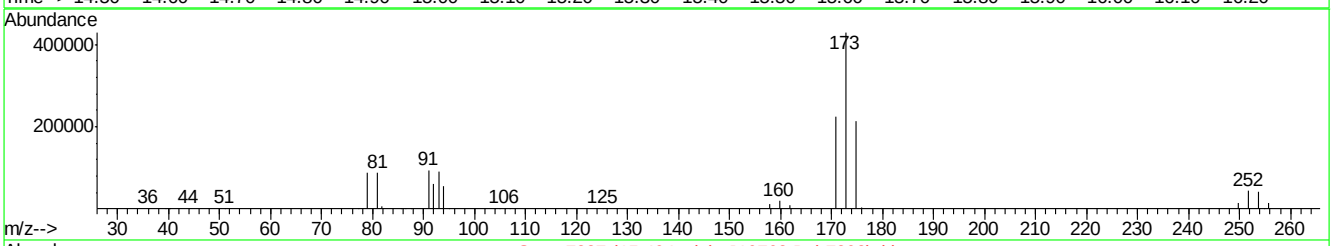
Quantitation Report (Qedit)

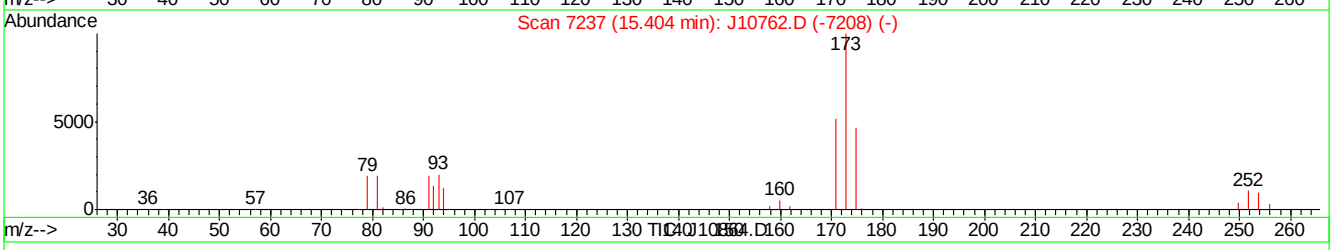
Data File : C:\MSDChem\1\data\J10864.D Vial: 1
Acq On : 5 Jul 2007 2:22 pm Operator: danat
Sample : ic562-20 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

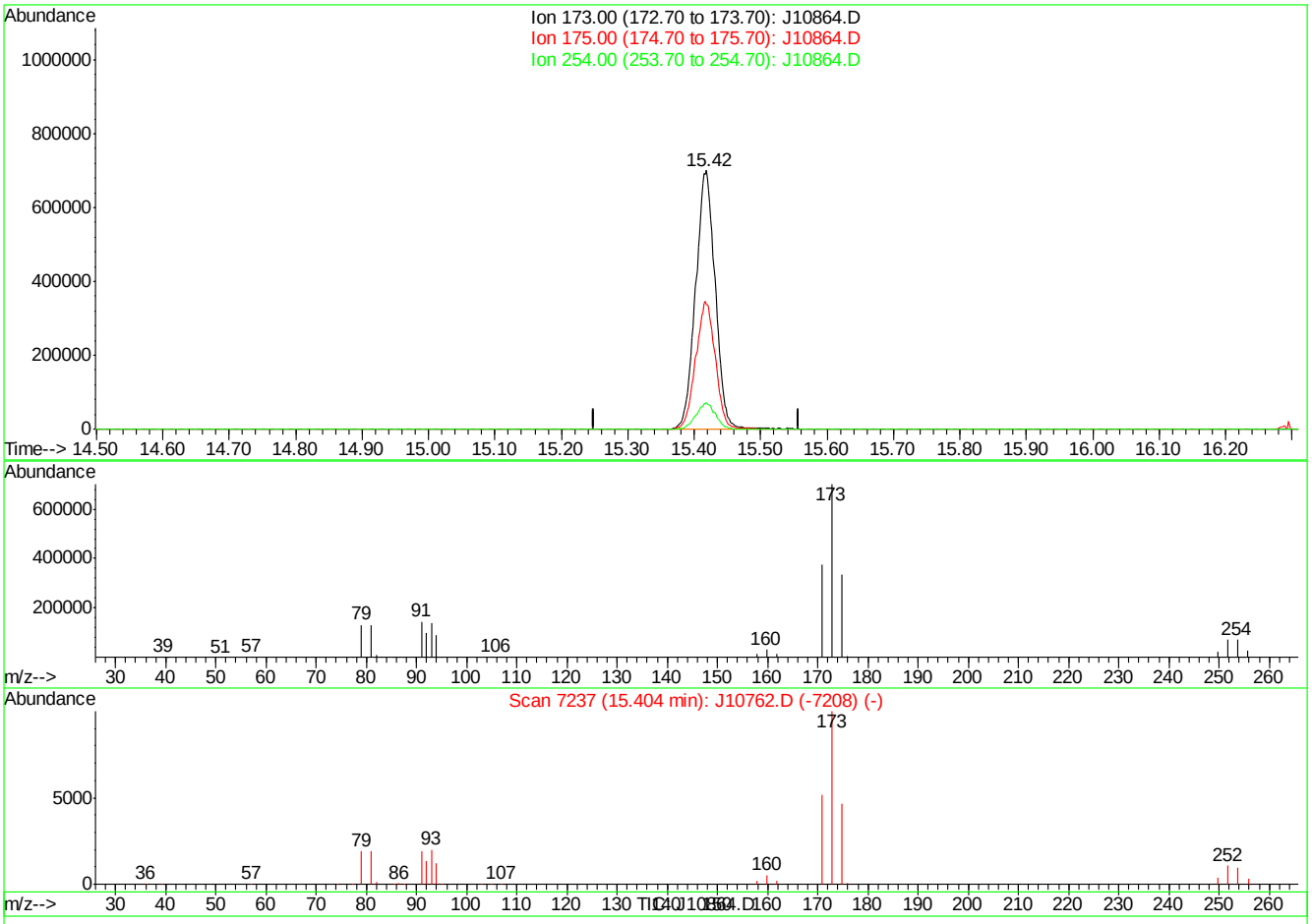
J10864.D J070507T.M Thu Jul 05 15:02:16 2007

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

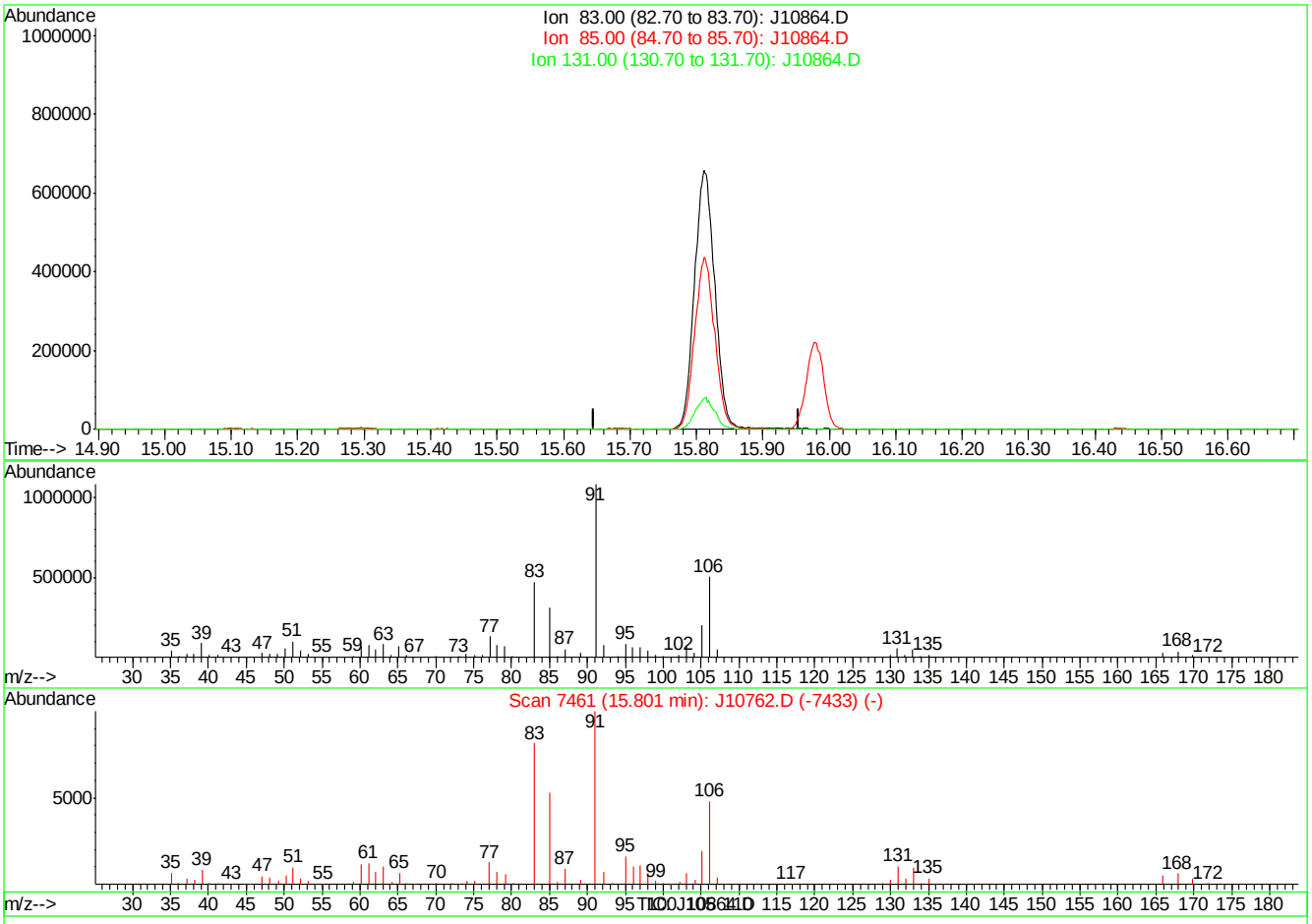
J10864.D J070507T.M Thu Jul 05 15:02:22 2007

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

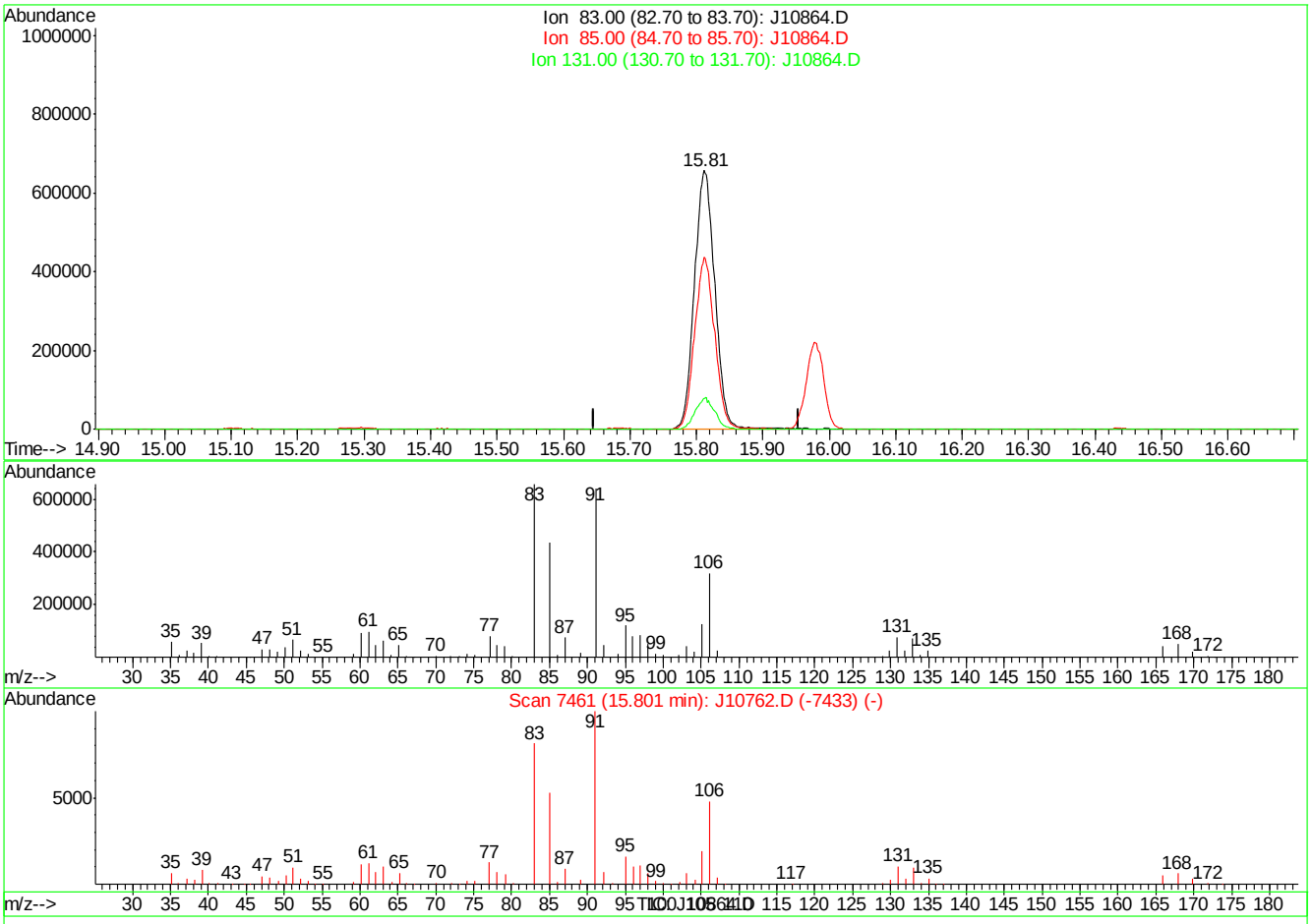
J10864.D J070507T.M Thu Jul 05 15:02:27 2007

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

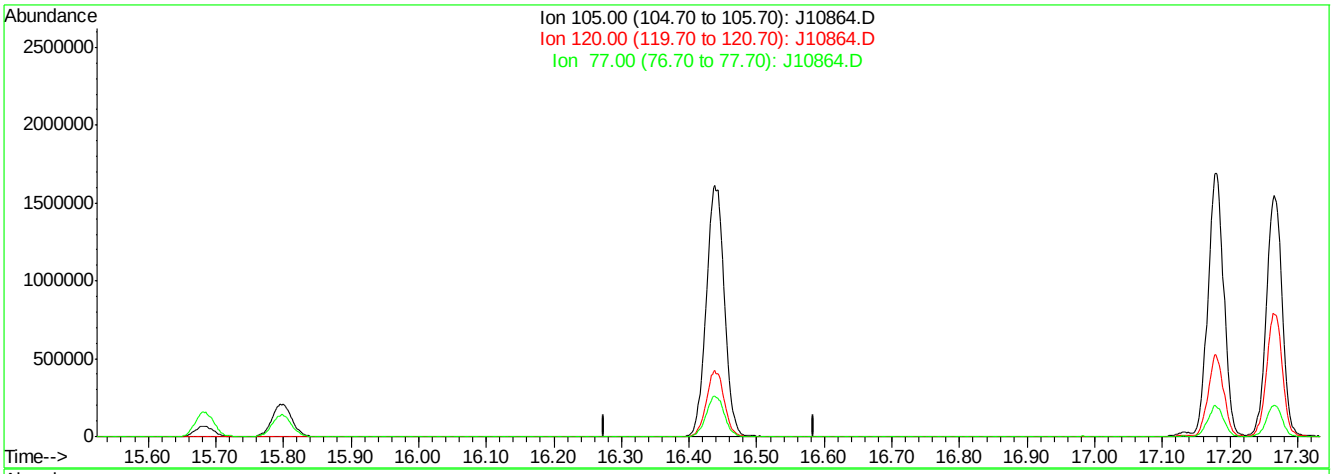
J10864.D J070507T.M Thu Jul 05 15:02:31 2007

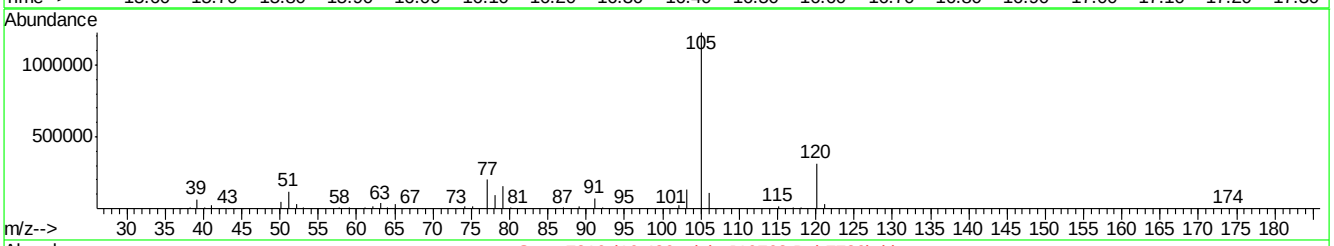
Quantitation Report (Qedit)

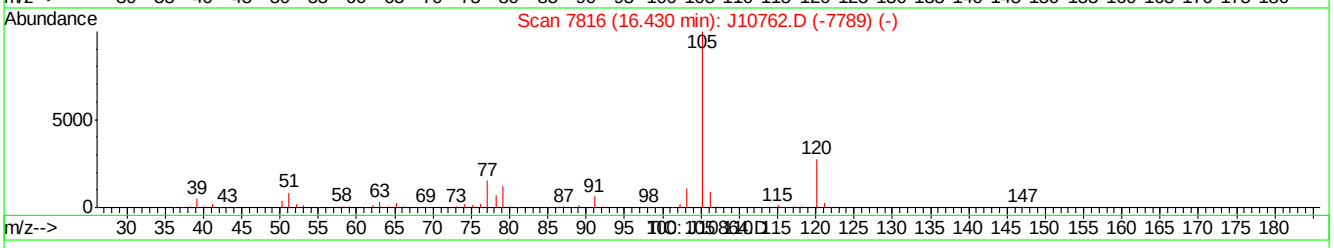
Data File : C:\MSDChem\1\data\J10864.D Vial: 1
Acq On : 5 Jul 2007 2:22 pm Operator: danat
Sample : ic562-20 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

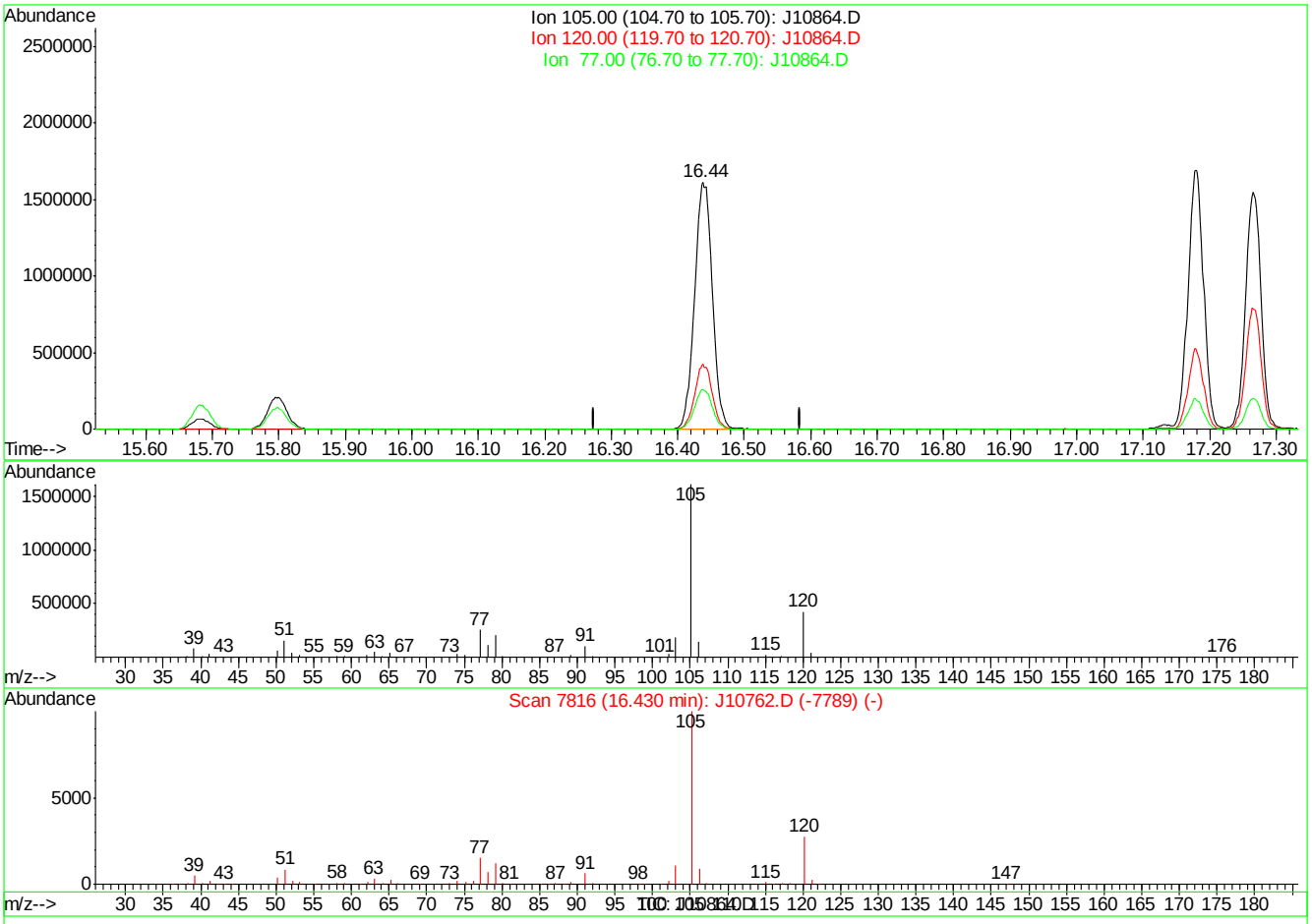
J10864.D J070507T.M Thu Jul 05 15:02:37 2007

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

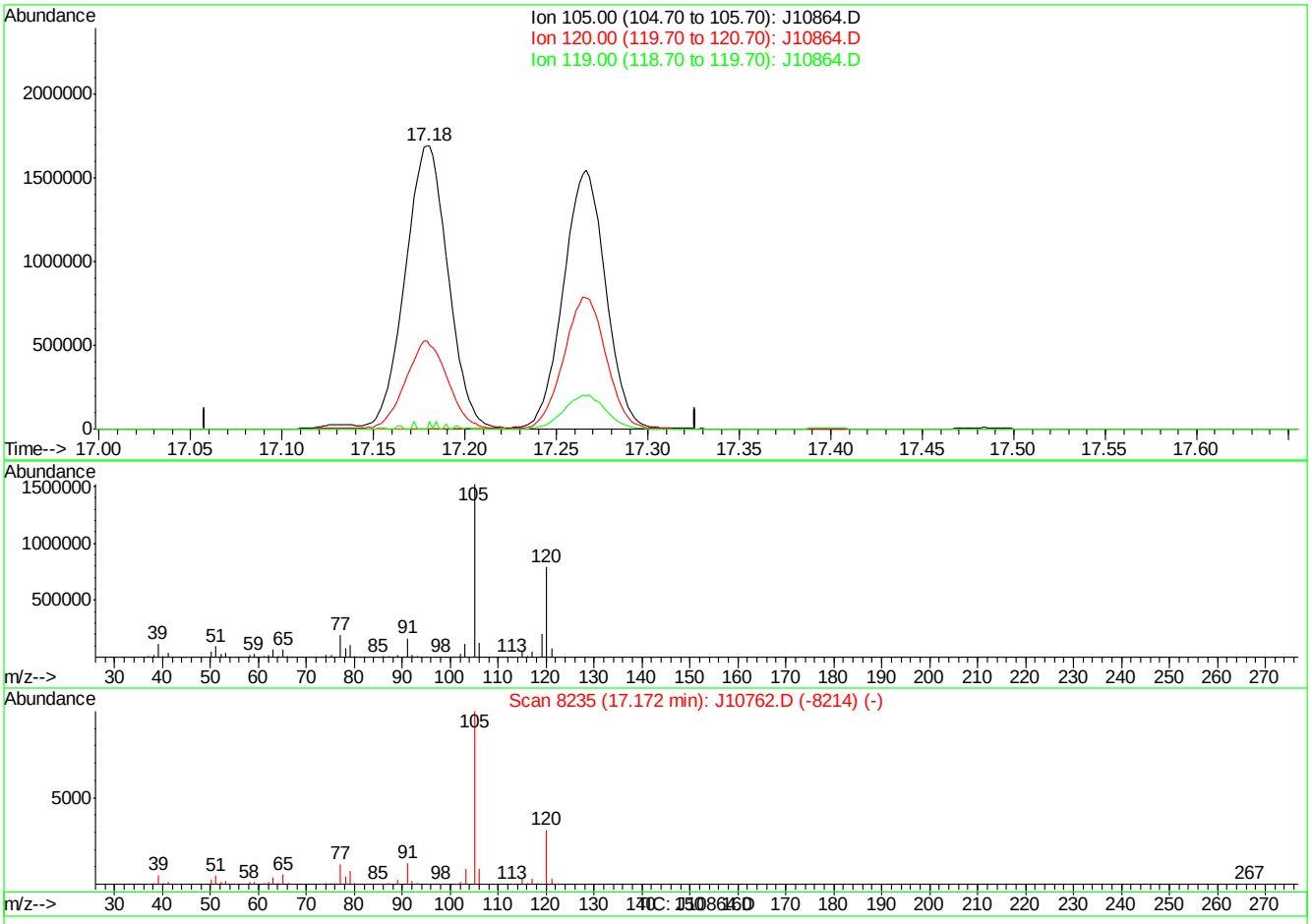
J10864.D J070507T.M Thu Jul 05 15:02:41 2007

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

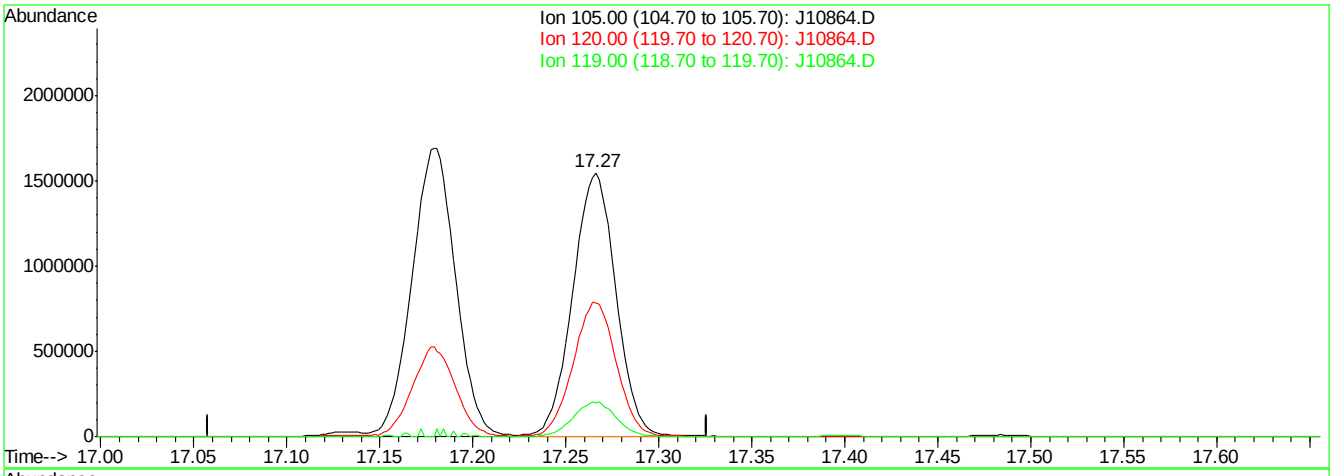
J10864.D J070507T.M Thu Jul 05 15:03:12 2007

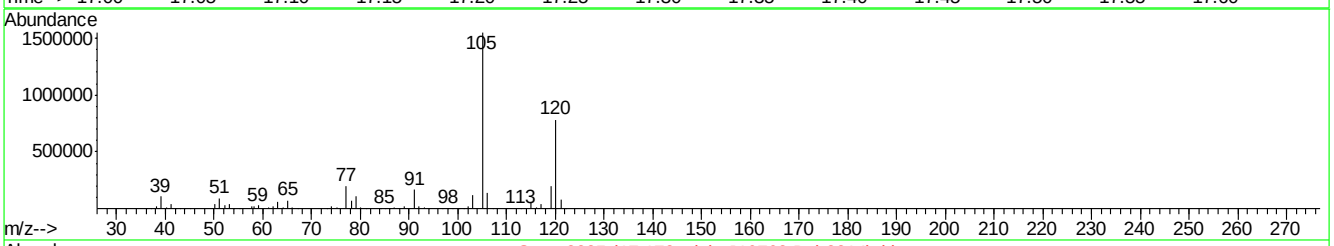
Quantitation Report (Qedit)

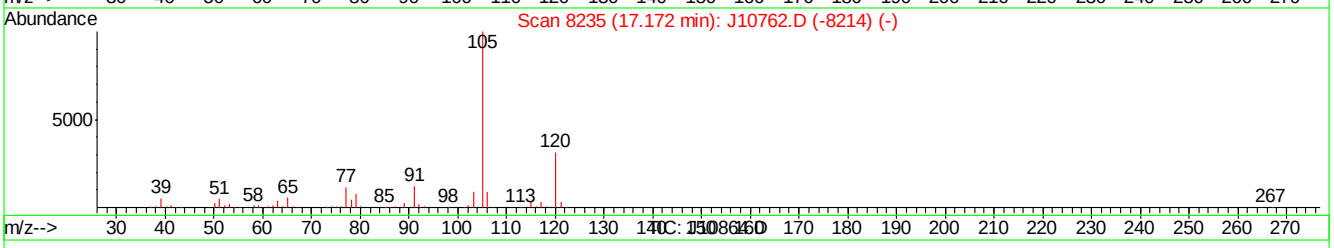
Data File : C:\MSDChem\1\data\J10864.D Vial: 1
Acq On : 5 Jul 2007 2:22 pm Operator: danat
Sample : ic562-20 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

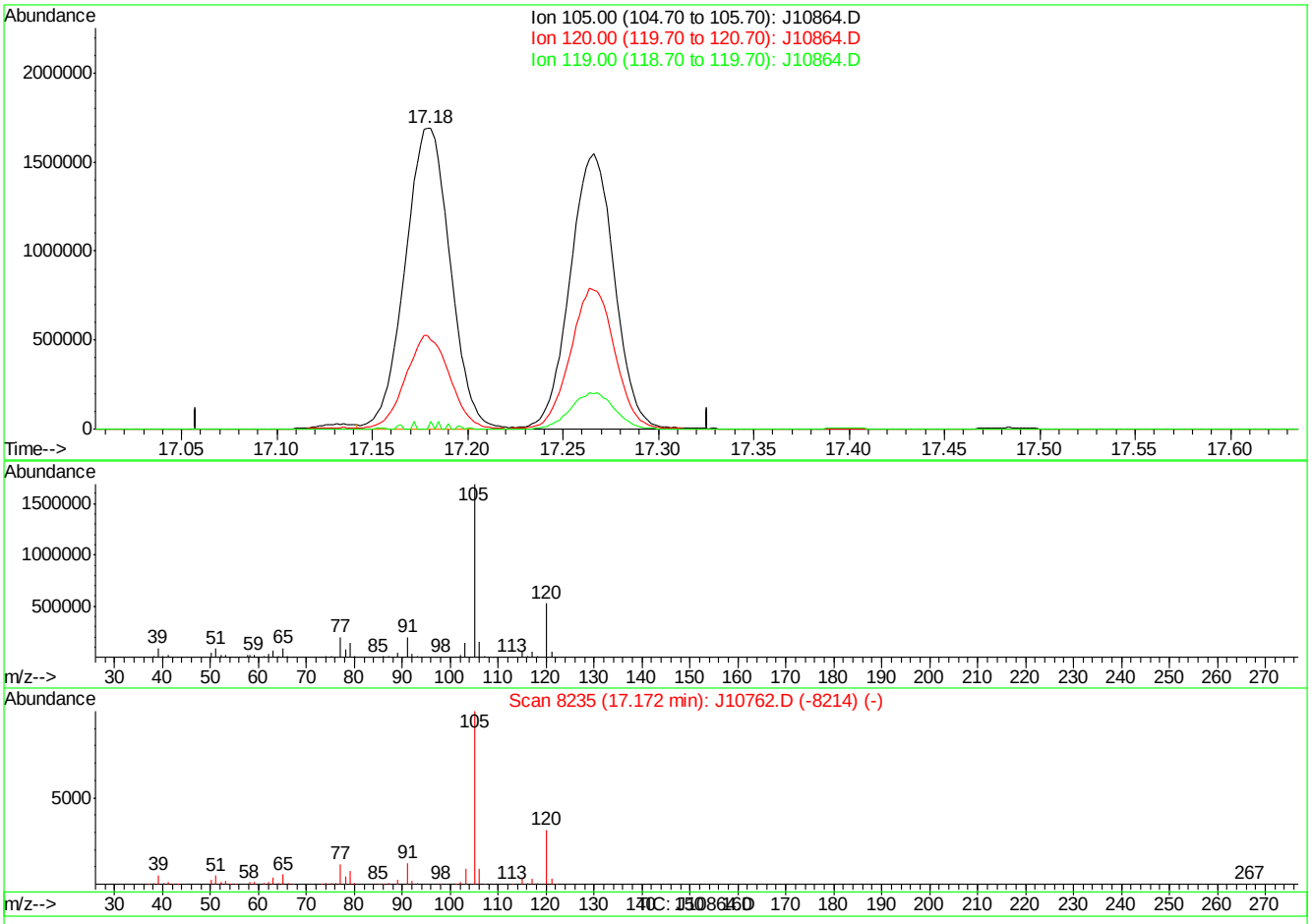
J10864.D J070507T.M Thu Jul 05 15:03:17 2007

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

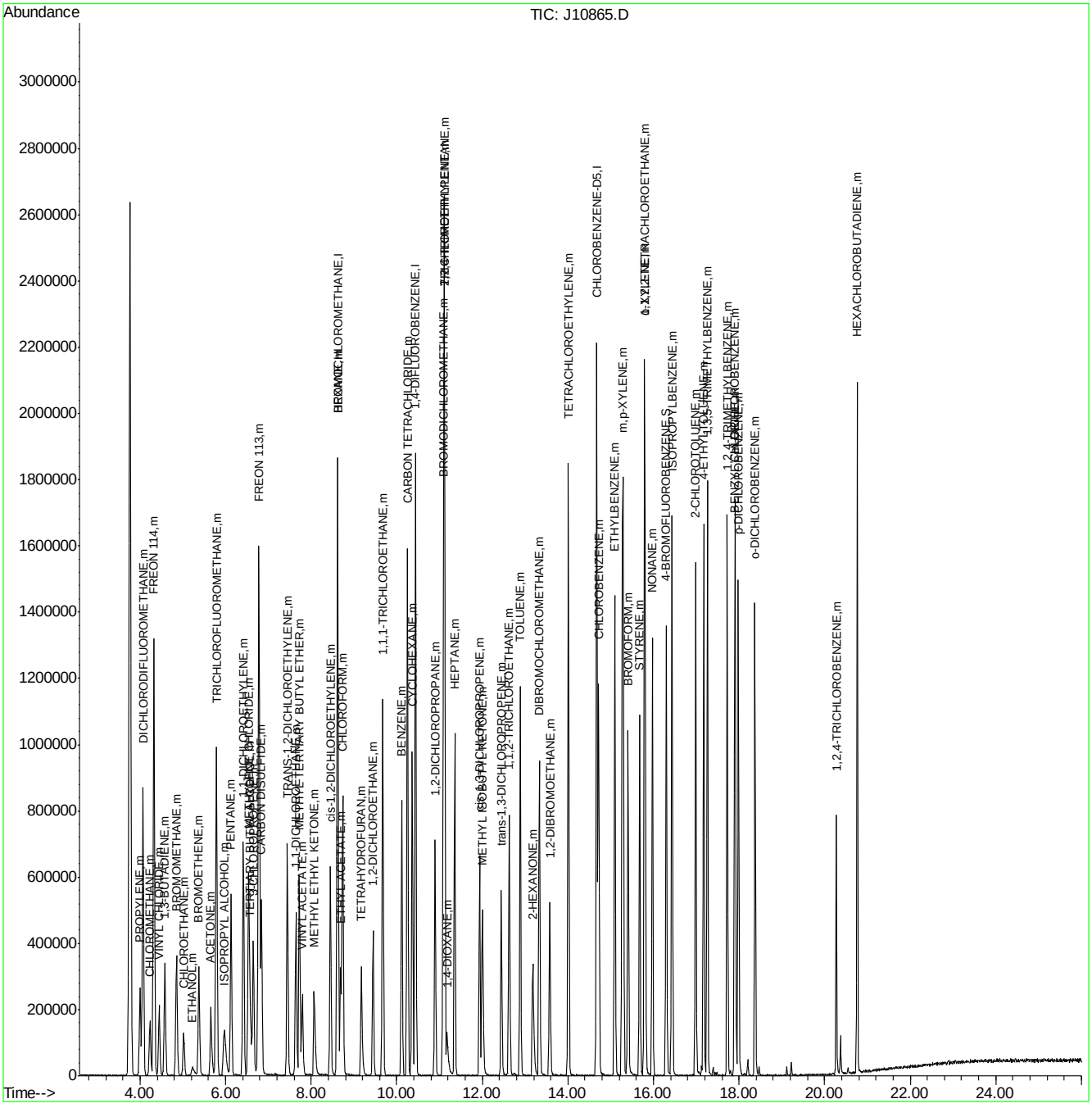
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.00	43	441145	9.32	PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.93	75	340858	11.13	PPBV	98
46) TOLUENE	12.89	92	492562	11.16	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.44	75	328198	11.25	PPBV	97
48) 1,1,2-TRICHLOROETHANE	12.63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

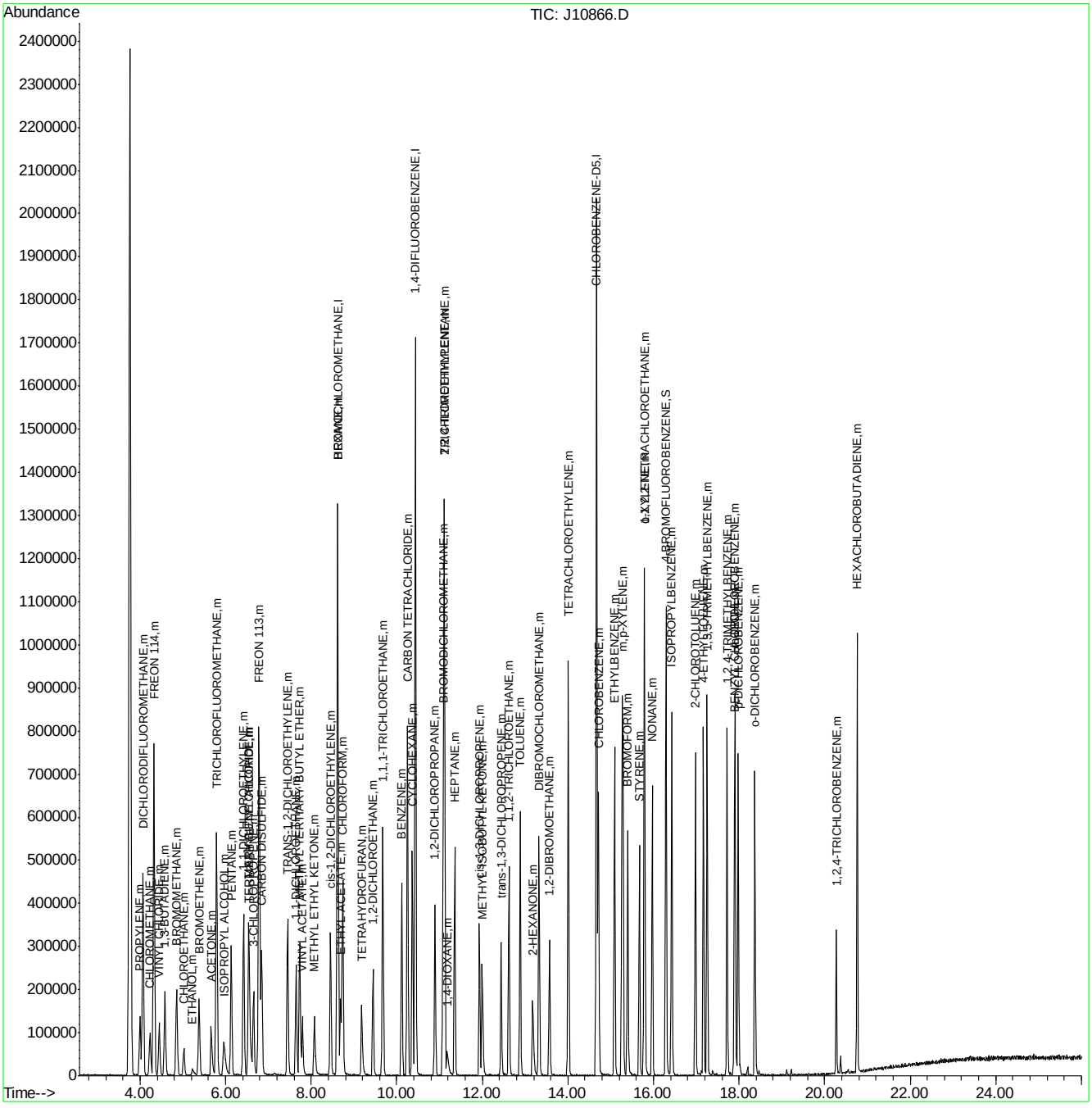
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.00	43	194430	4.81	PPBV	99
45) cis-1,3-DICHLOROPROPENE	11.93	75	172847	5.72	PPBV	98
46) TOLUENE	12.88	92	246964	5.81	PPBV	100
47) trans-1,3-DICHLOROPROPENE	12.44	75	156172	5.49	PPBV	98
48) 1,1,2-TRICHLOROETHANE	12.62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

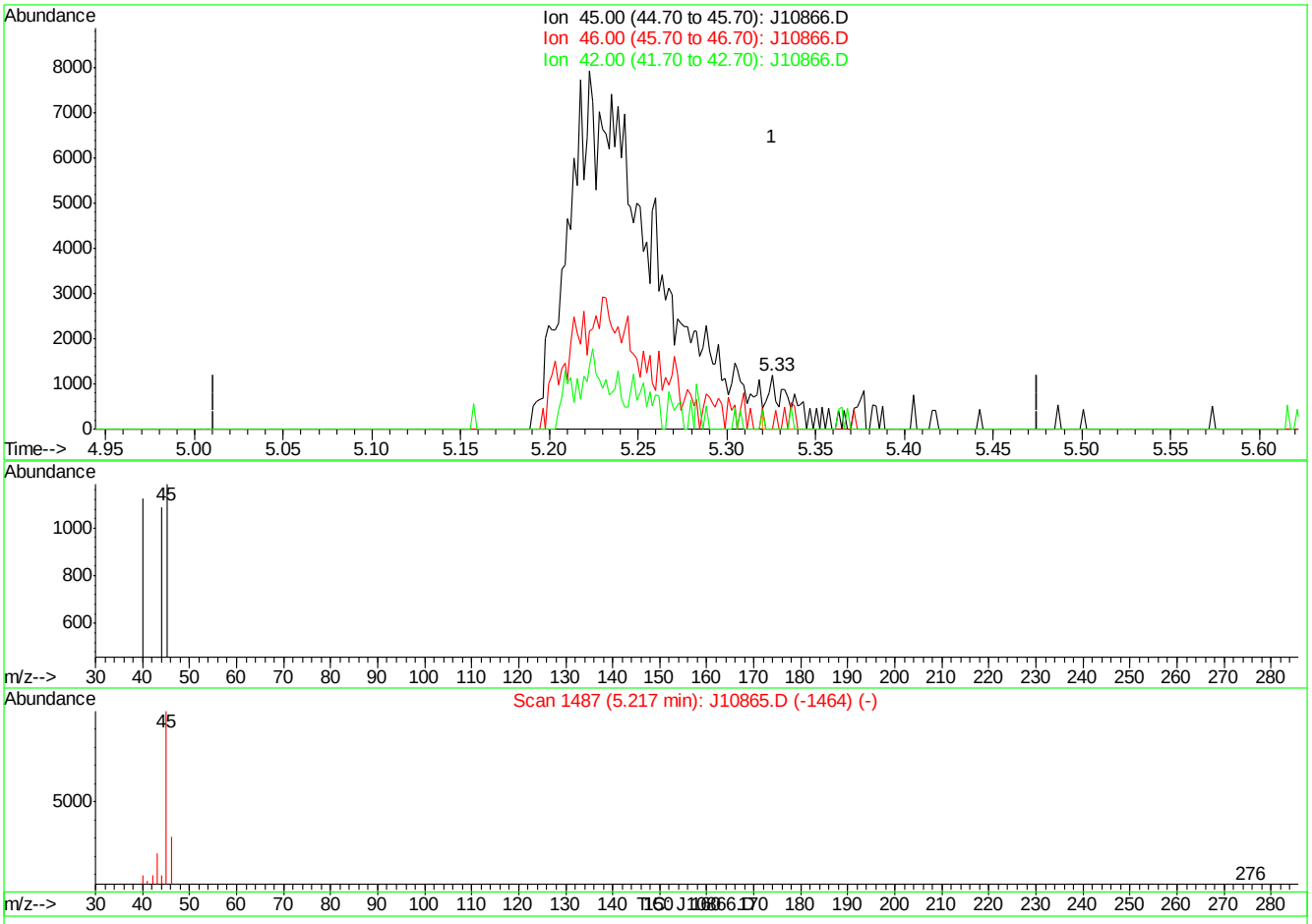


Quantitation Report (Qedit)

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

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

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



(16) ETHANOL (m)

5.33min 1.20PPBV

response 1013

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

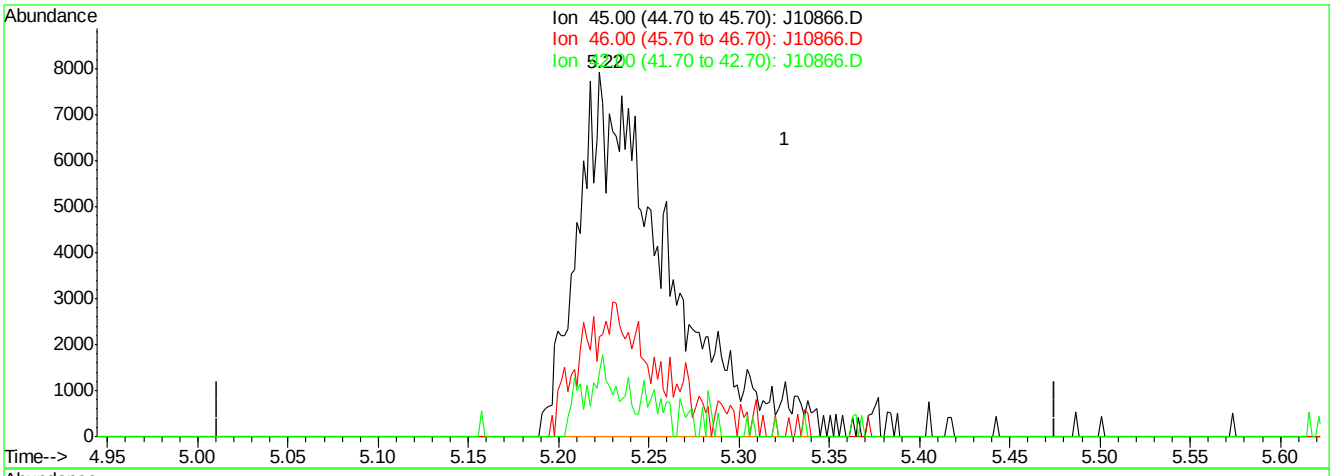
J10866.D J070507T.M Thu Jul 05 16:34:48 2007

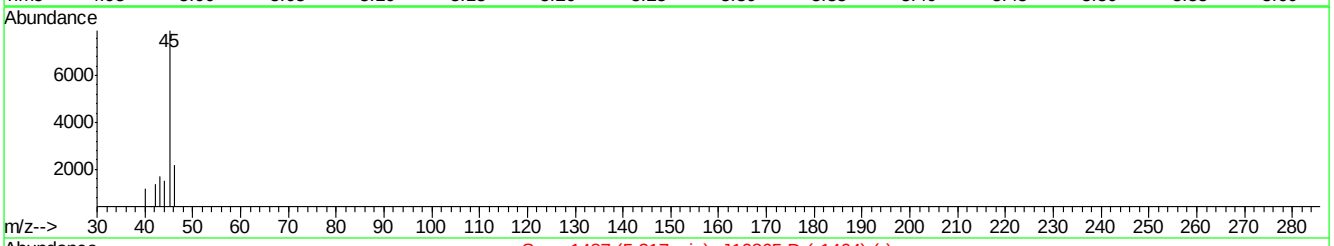
Quantitation Report (Qedit)

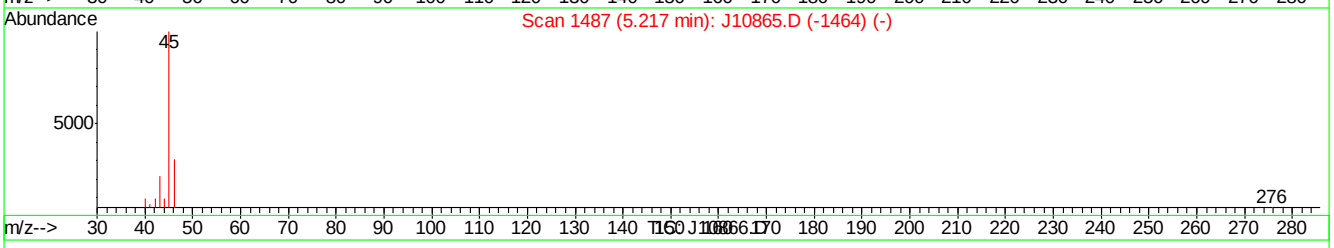
Data File : C:\MSDChem\1\data\J10866.D Vial: 1
Acq On : 5 Jul 2007 4:08 pm Operator: danat
Sample : ic562-5 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

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







(16) ETHANOL (m)

5.22min 5.44PPBV m

response 27044

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

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

J10867.D

Manual Integrations APPROVED (compounds with "m" flag)

Doug Yargeau 07/11/07 09:41

Quantitation Report (QT Reviewed)

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

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

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

System Monitoring Compounds

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

Spiked Amount 5.000 Range 51 - 142 Recovery = 92.40%

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

Quantitation Report (QT Reviewed)

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

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

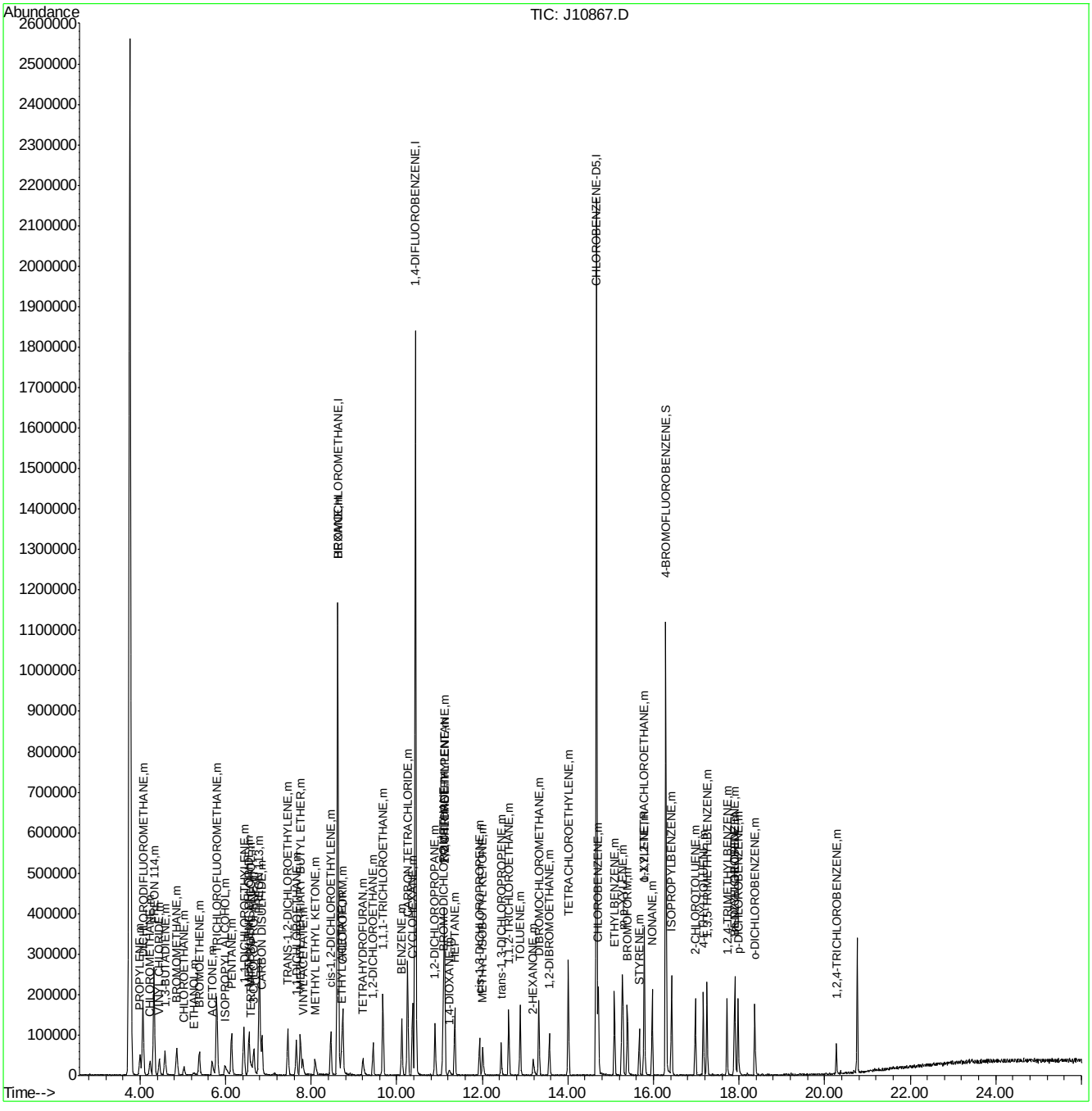
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.01	43	49831	1.18 PPBV	94
45) cis-1,3-DICHLOROPROPENE	11.93	75	42037	1.57 PPBV	96
46) TOLUENE	12.88	92	66487	1.65 PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.44	75	37565	1.53 PPBV	98
48) 1,1,2-TRICHLOROETHANE	12.61	83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

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

Quantitation Report (QT Reviewed)

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

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



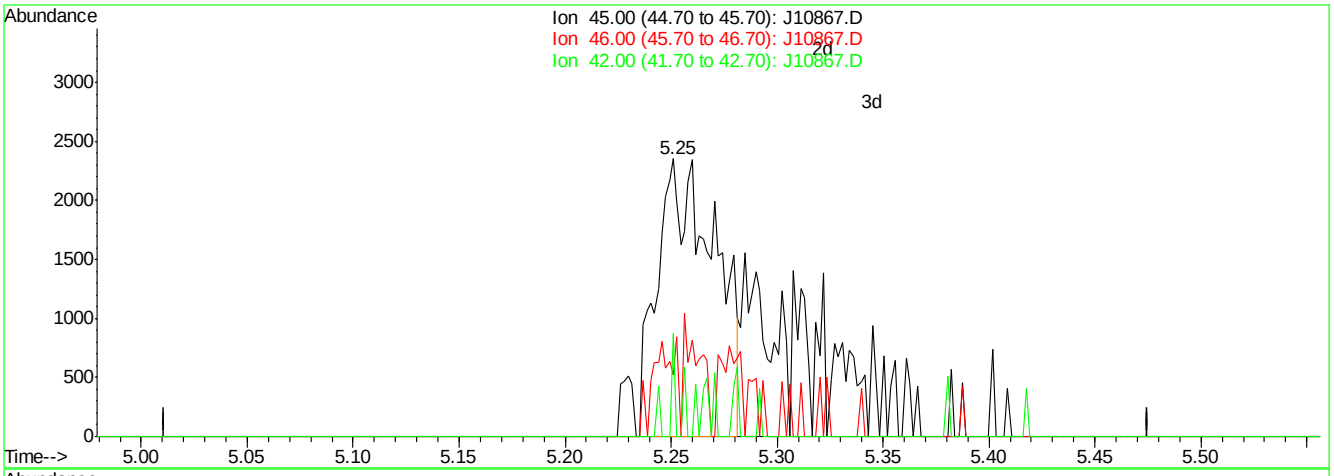
ACCUTEST Laboratories M66976

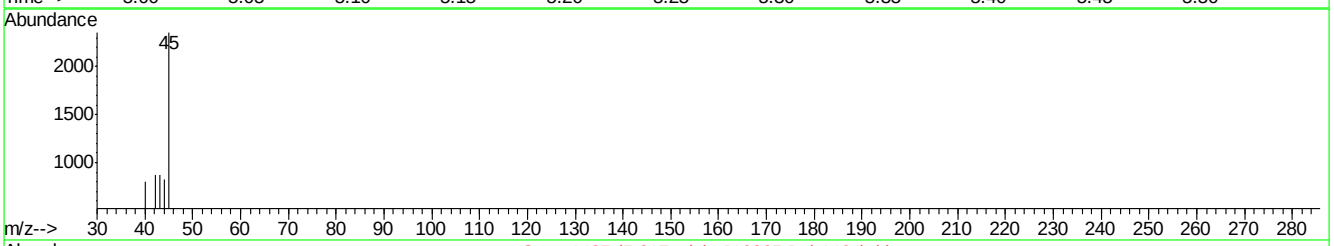
Quantitation Report (Qedit)

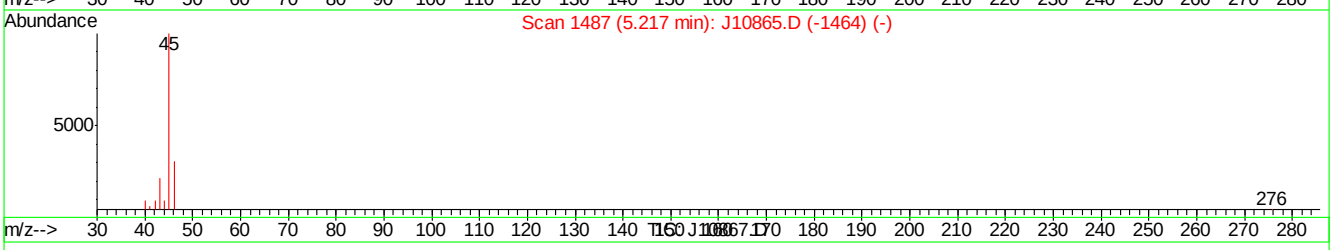
Data File : C:\MSDChem\1\data\J10867.D Vial: 2
Acq On : 5 Jul 2007 4:59 pm Operator: danat
Sample : ic562-2 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

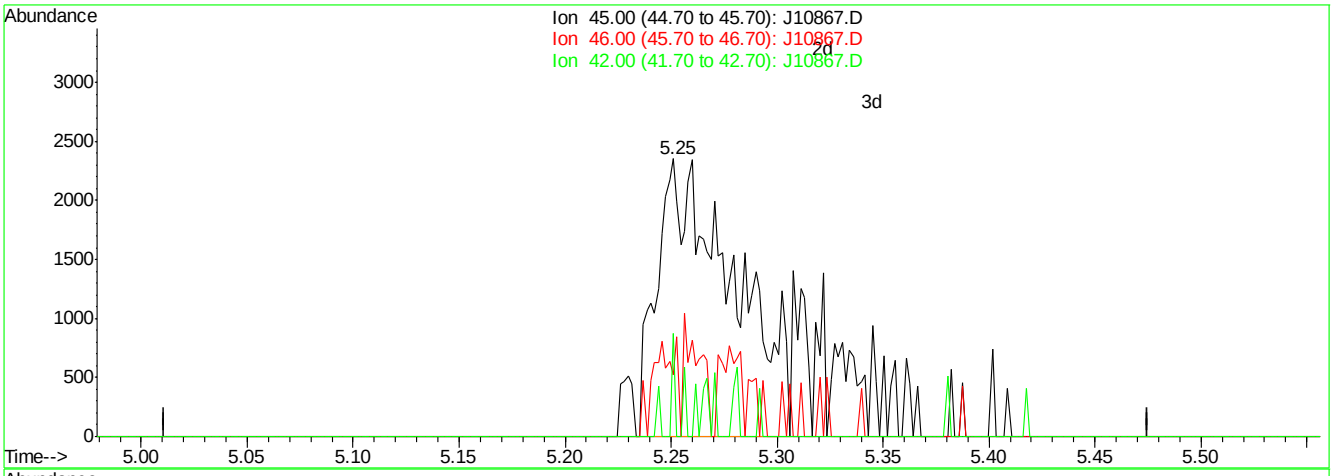
J10867.D J070507T.M Thu Jul 05 17:26:48 2007

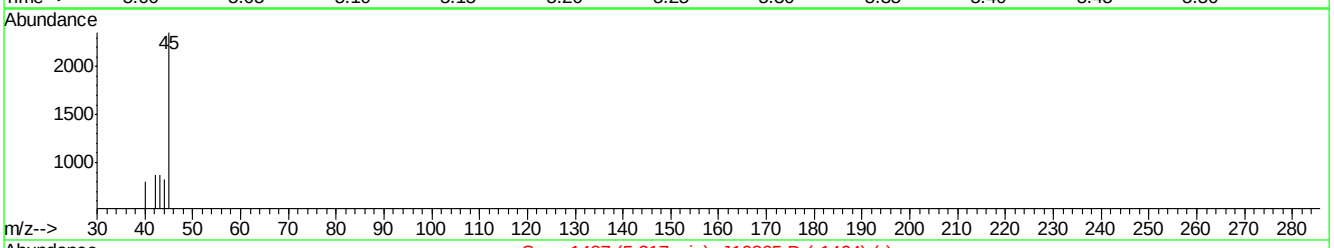
Quantitation Report (Qedit)

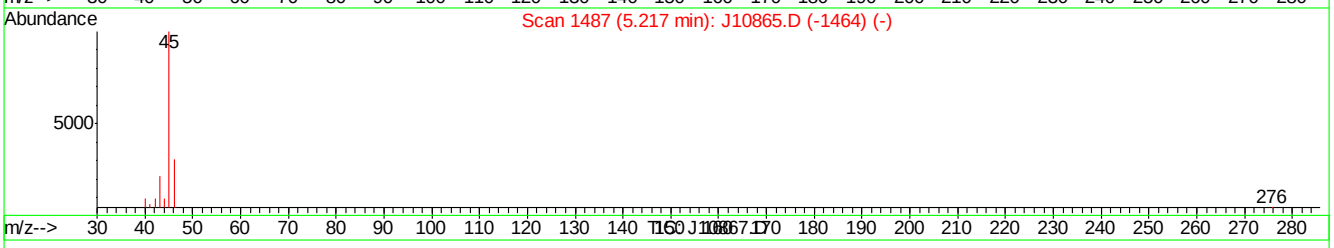
Data File : C:\MSDChem\1\data\J10867.D Vial: 2
Acq On : 5 Jul 2007 4:59 pm Operator: danat
Sample : ic562-2 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

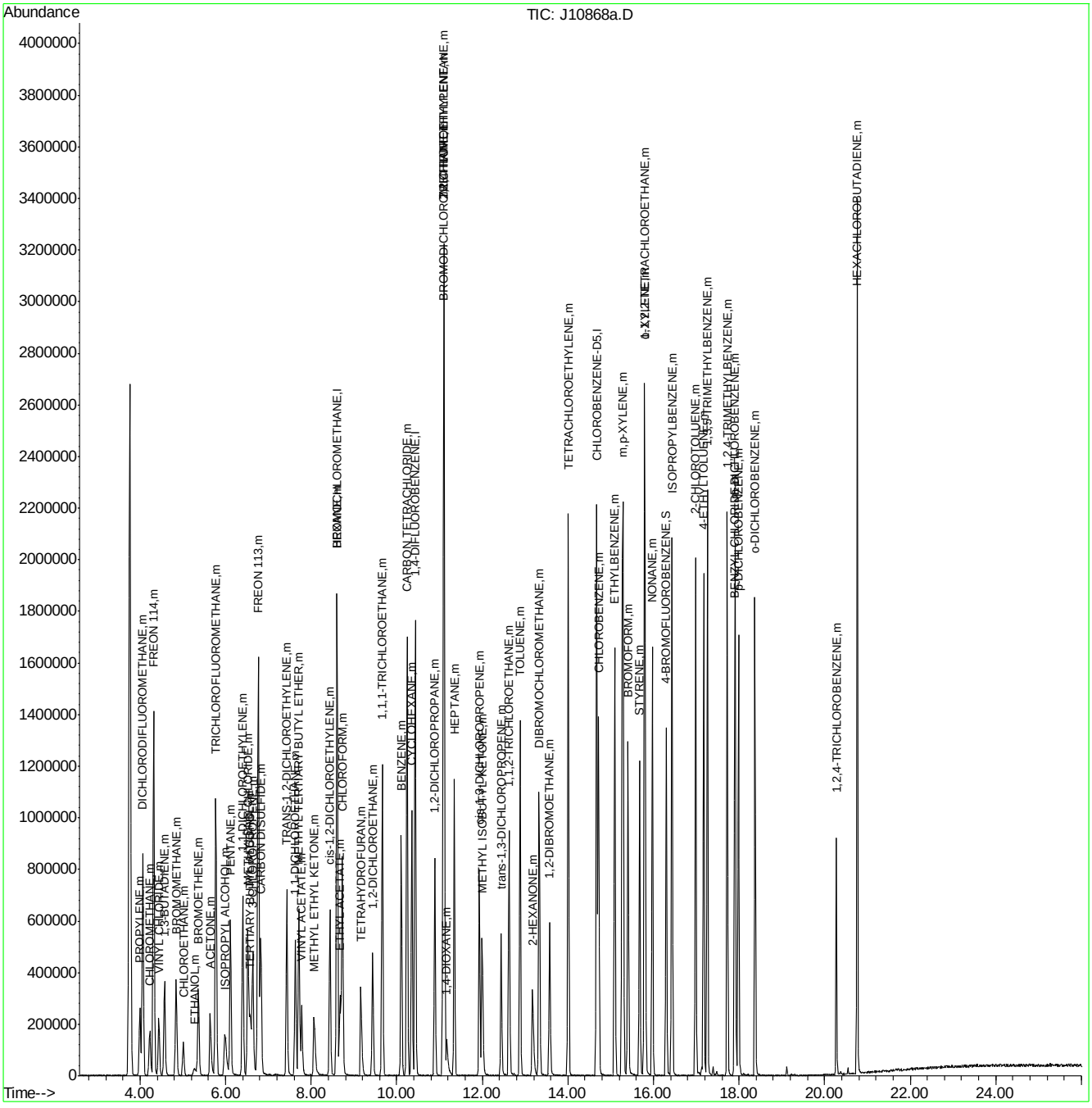
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.99	43	470043	10.33	PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.93	75	407474	10.95	PPBV	98
46) TOLUENE	12.88	92	578281	11.03	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.44	75	315716	9.17	PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.62	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 M66976

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

Quantitation Report (QT Reviewed)

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

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

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

Quantitation Report (QT Reviewed)

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

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

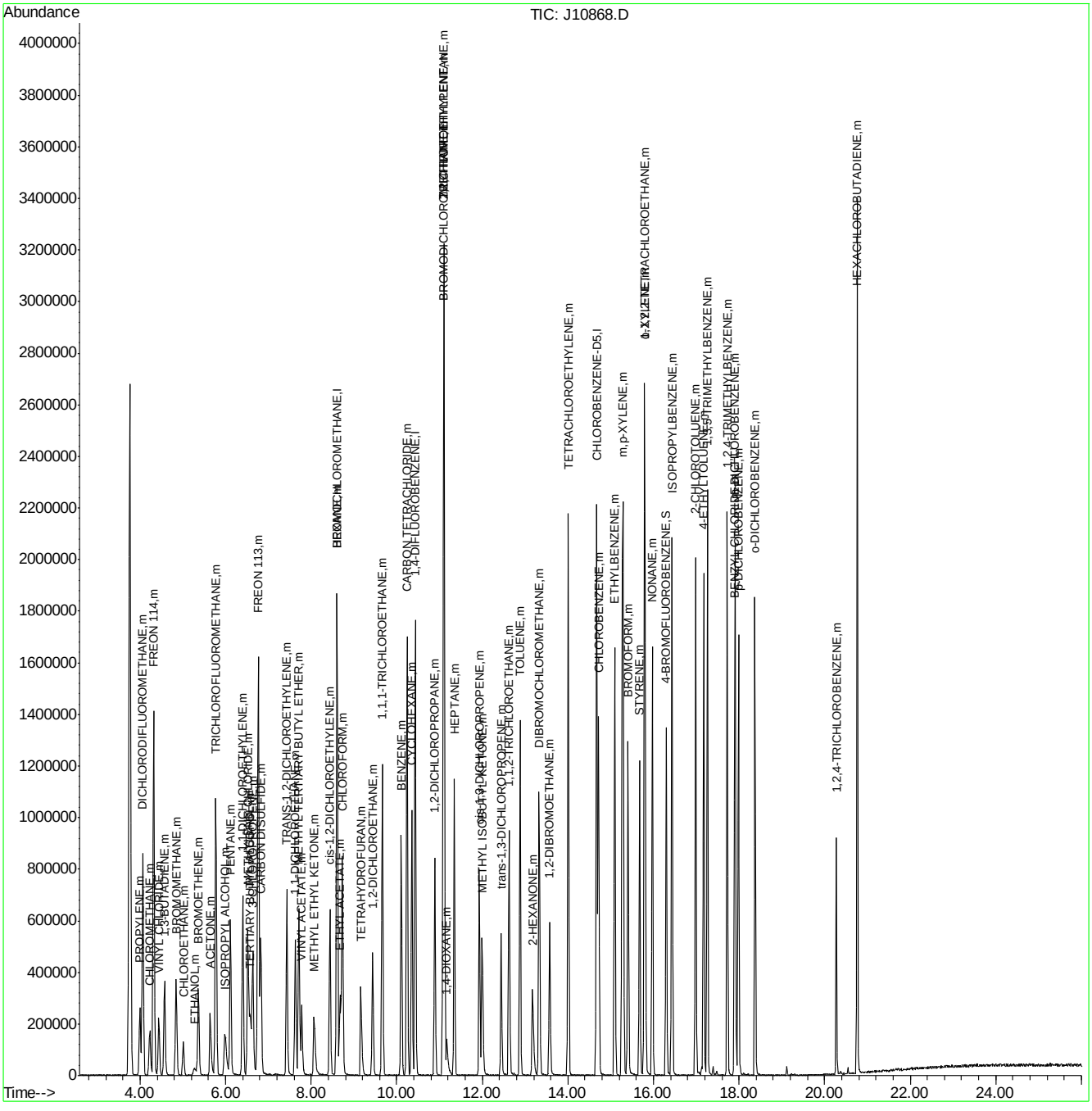
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.99	43	470043	10.33	PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.93	75	407474	10.95	PPBV	98
46) TOLUENE	12.88	92	578281	11.03	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.44	75	315716	9.17	PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.62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

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

Quantitation Report (QT Reviewed)

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

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



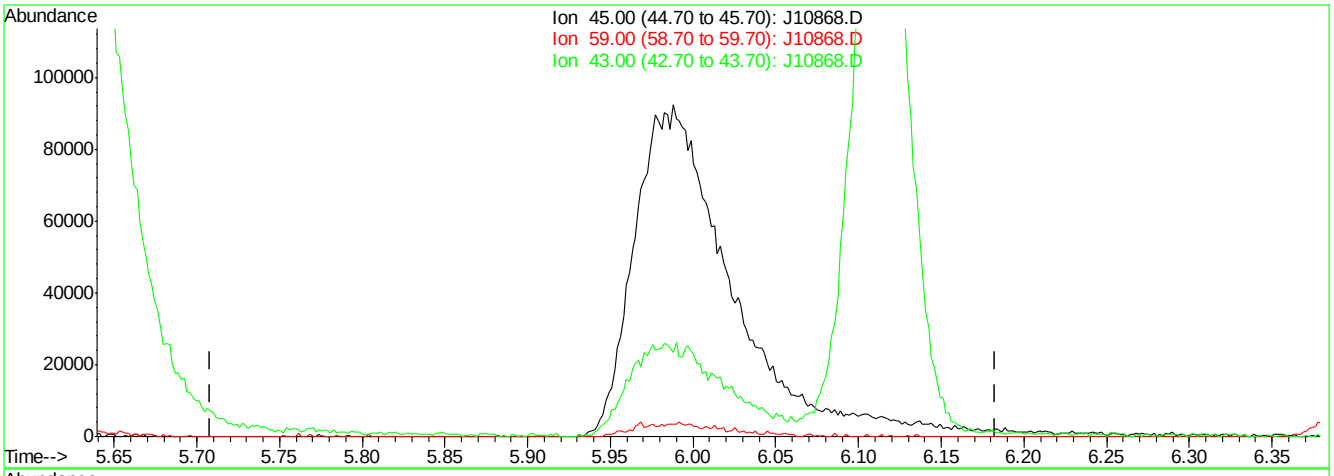
ACCUTEST Laboratories M66976

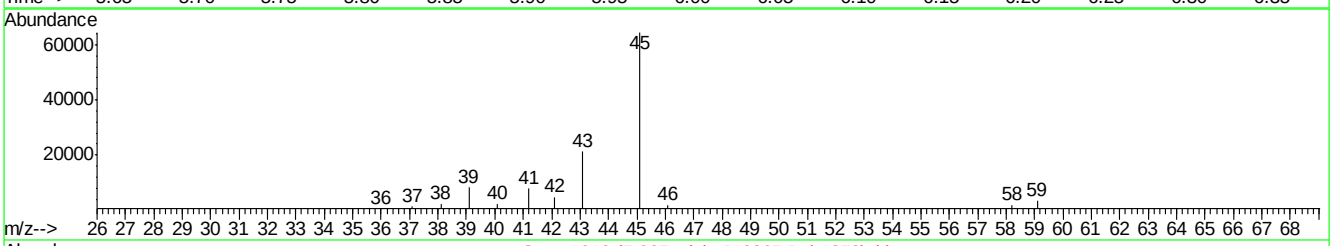
Quantitation Report (Qedit)

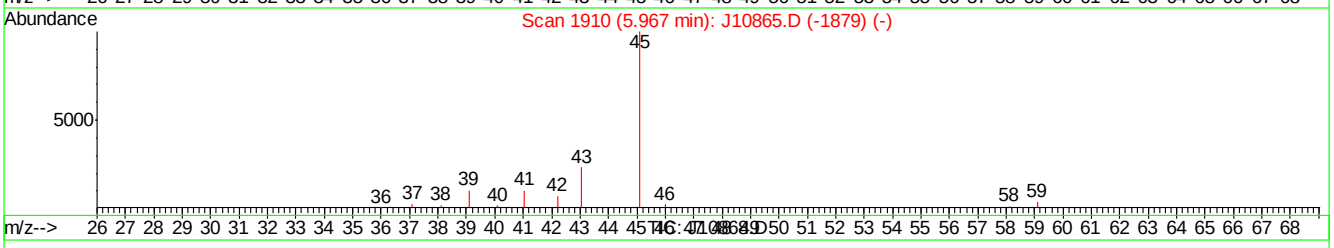
Data File : C:\MSDChem\1\data\J10868.D Vial: 3
Acq On : 5 Jul 2007 5:56 pm Operator: danat
Sample : icv562-10 (M080) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

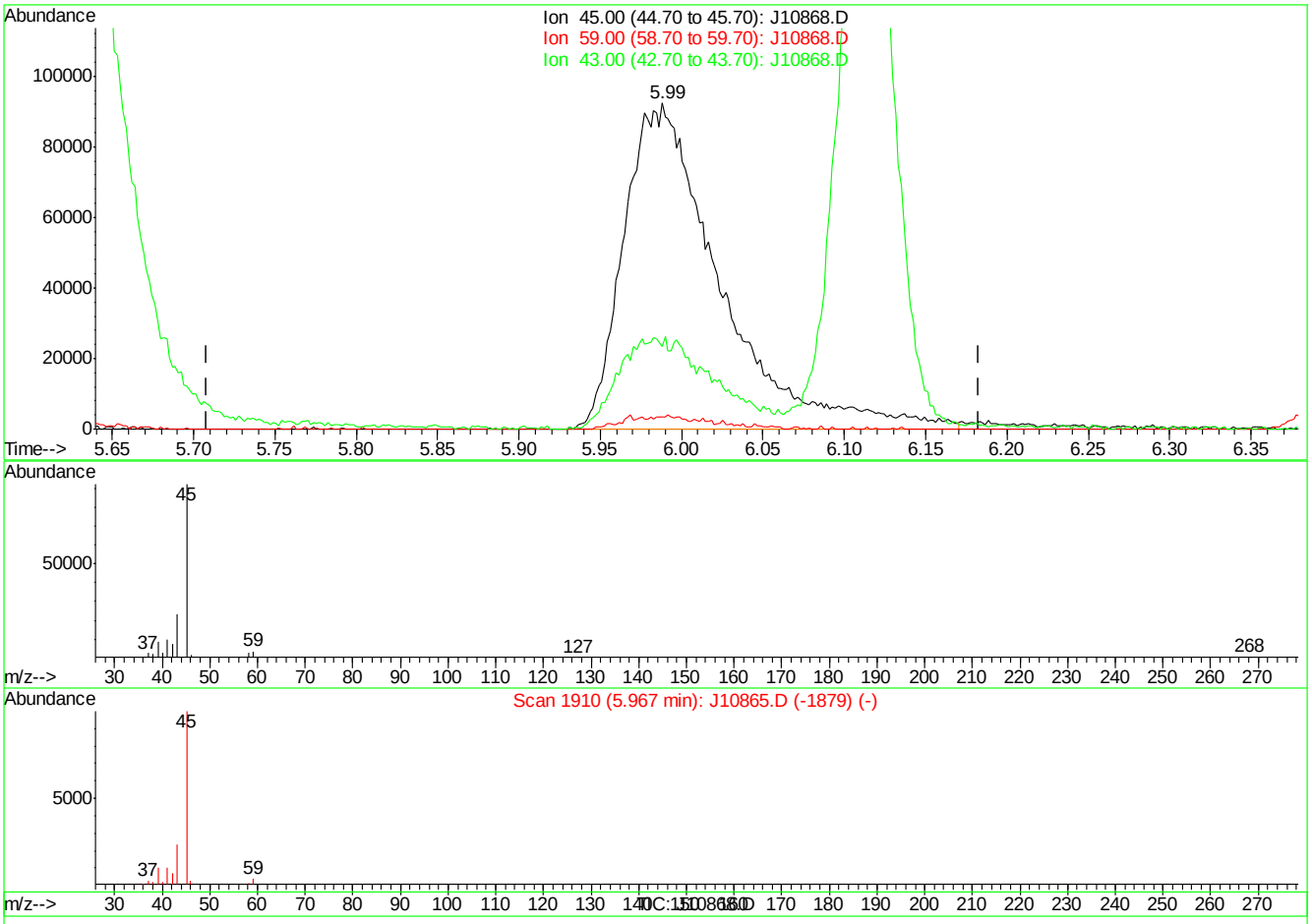
J10868.D J070507T.M Thu Jul 05 18:23:58 2007

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4261.D
Acq On : 13 Aug 2007 8:51 am
Operator : danat
Sample : ic227-0.5 (M072)
Misc : MS14080, MSQ227,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 13 09:45:59 2007
Quant Method : C:\msdchem\1\METHODS\Q081307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 13 08:30:47 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.633	128	138763	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.458	114	606283	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.701	117	502127	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.320	95	163069	4.02	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 80.40%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.037	85	51244	0.65	PPBV	98
3) PROPYLENE	3.966	41	8036	0.85	PPBV	86
4) FREON 114	4.300	85	41513	0.62	PPBV	87
5) CHLOROMETHANE	4.202	50	9400	0.65	PPBV	91
6) VINYL CHLORIDE	4.424	62	10999	0.61	PPBV	74
7) 1,3-BUTADIENE	4.553	39	9187	0.68	PPBV	83
8) BROMOMETHANE	4.834	94	12708	0.61	PPBV	92
9) CHLOROETHANE	5.004	64	4381	0.60	PPBV #	72
10) TRICHLOROFLUOROMETHANE	5.787	101	52941	0.69	PPBV	98
11) ISOPROPYL ALCOHOL	5.842	45	22760	0.78	PPBV	87
12) ACETONE	5.606	43	53125	1.70	PPBV	98
13) PENTANE	6.140	42	14141	0.88	PPBV	92
14) 1,1-DICHLOROETHYLENE	6.431	96	12195	0.59	PPBV #	73
15) CARBON DISULFIDE	6.855	76	39915	0.72	PPBV	80
16) ETHANOL	5.103	45	6068	1.34	PPBV	72
17) BROMOETHENE	5.373	106	11029	0.56	PPBV #	95
18) METHYLENE CHLORIDE	6.536	84	36436	1.37	PPBV	85
19) 3-CHLOROPROPENE	6.651	39	13687	0.81	PPBV	94
20) FREON 113	6.798	151	26633	0.65	PPBV	86
21) TRANS-1,2-DICHLOROETHY...	7.464	96	12226	0.62	PPBV #	85
22) TERTIARY BUTYL ALCOHOL	6.458	59	23798	0.79	PPBV	70
23) METHYL TERTIARY BUTYL ...	7.718	73	25257	0.65	PPBV	86
24) TETRAHYDROFURAN	9.157	42	4828	0.56	PPBV #	55
25) HEXANE	8.669	57	15000	0.61	PPBV	86
26) VINYL ACETATE	7.789	43	21937	0.83	PPBV	70
27) 1,1-DICHLOROETHANE	7.666	63	25381	0.70	PPBV	98
28) METHYL ETHYL KETONE	8.048	43	17714	0.82	PPBV	91
29) cis-1,2-DICHLOROETHYLENE	8.470	96	7168	0.45	PPBV #	79
30) ETHYL ACETATE	8.669	43	27116	0.69	PPBV #	93
31) CHLOROFORM	8.752	83	30257	0.66	PPBV	96
32) 1,1,1-TRICHLOROETHANE	9.705	97	29963	0.62	PPBV	94
33) CARBON TETRACHLORIDE	10.289	117	35993	0.65	PPBV	99
34) 1,2-DICHLOROETHANE	9.461	62	17183	0.60	PPBV	97
36) BENZENE	10.142	78	20173	0.52	PPBV	97
37) CYCLOHEXANE	10.414	84	7416	0.42	PPBV #	77
38) TRICHLOROETHYLENE	11.141	95	12936	0.54	PPBV	88
39) 1,2-DICHLOROPROPANE	10.918	63	7875	0.63	PPBV	89
40) BROMODICHLOROMETHANE	11.100	83	27023	0.69	PPBV	97
41) 2,2,4-TRIMETHYLPENTANE	11.168	57	33367	0.56	PPBV	86
42) 1,4-DIOXANE	11.147	88	4088	0.58	PPBV #	1
43) HEPTANE	11.397	43	10565	0.54	PPBV	85

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4261.D
Acq On : 13 Aug 2007 8:51 am
Operator : danat
Sample : ic227-0.5 (M072)
Misc : MS14080, MSQ227,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 13 09:45:59 2007
Quant Method : C:\msdchem\1\METHODS\Q081307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 13 08:30:47 2007
Response via : Initial Calibration

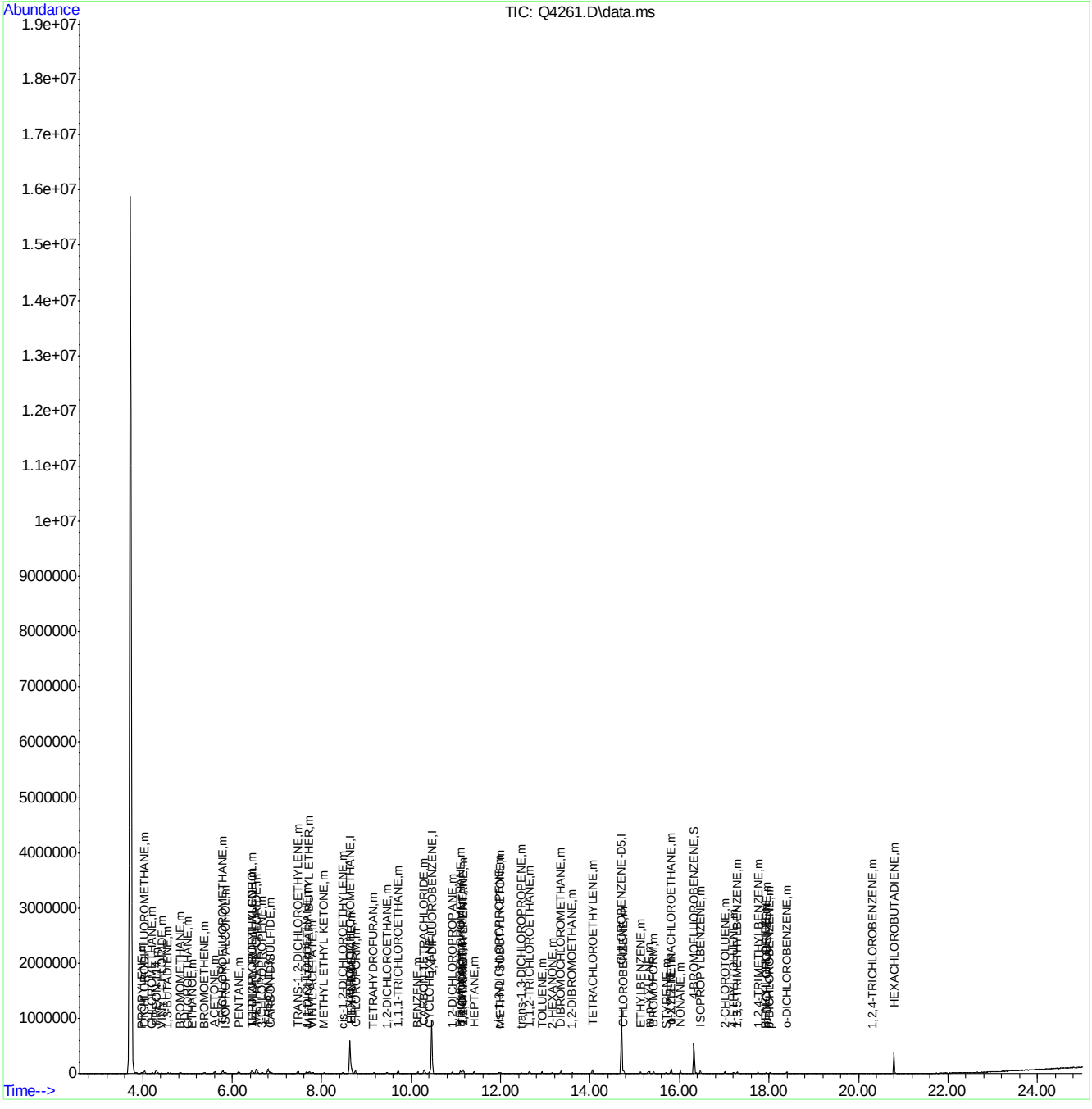
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.984	43	12381	0.57	PPBV	88
45) cis-1,3-DICHLOROPROPENE	11.956	75	7911	0.41	PPBV	84
46) TOLUENE	12.918	92	10357	0.39	PPBV	98
47) trans-1,3-DICHLOROPROPENE	12.458	75	5714	0.33	PPBV	90
48) 1,1,2-TRICHLOROETHANE	12.643	83	9041	0.65	PPBV	87
50) 2-HEXANONE	13.150	43	8978	0.53	PPBV	82
51) TETRACHLOROETHYLENE	14.052	164	11374	0.50	PPBV	90
52) DIBROMOCHLOROMETHANE	13.349	129	20550	0.65	PPBV	99
53) 1,2-DIBROMOETHANE	13.596	107	11934	0.51	PPBV #	95
54) CHLOROBENZENE	14.748	112	16803	0.48	PPBV	92
55) ETHYLBENZENE	15.126	91	18882	0.37	PPBV	94
56) m,p-XYLENE	15.321	106	6790	0.36	PPBV	82
57) o-XYLENE	15.820	106	6522	0.36	PPBV	97
58) STYRENE	15.701	104	4571	0.18	PPBV	98
59) NONANE	16.024	43	11668	0.52	PPBV #	90
60) BROMOFORM	15.420	173	16494	0.59	PPBV	97
62) 1,1,2,2-TETRACHLOROETHANE	15.807	83	24459	0.82	PPBV	96
63) ISOPROPYLBENZENE	16.466	105	25836	0.45	PPBV	94
64) 2-CHLOROTOLUENE	17.016	91	16225	0.38	PPBV	93
65) 4-ETHYLTOLUENE	17.209	105	14410	0.30	PPBV	94
66) 1,3,5-TRIMETHYLBENZENE	17.287	105	18703	0.39	PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.758	105	13603	0.31	PPBV	98
68) m-DICHLOROBENZENE	17.937	146	8048	0.28	PPBV	97
69) BENZYL CHLORIDE	17.912	91	5439	0.27	PPBV	76
70) p-DICHLOROBENZENE	18.015	146	5026	0.18	PPBV	93
71) o-DICHLOROBENZENE	18.404	146	10164	0.38	PPBV	97
72) HEXACHLOROBUTADIENE	20.794	225	48175	2.14	PPBV	98
73) 1,2,4-TRICHLOROBENZENE	20.308	180	2439	0.27	PPBV #	77

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4261.D
Acq On : 13 Aug 2007 8:51 am
Operator : danat
Sample : ic227-0.5 (M072)
Misc : MS14080, MSQ227,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 13 09:45:59 2007
Quant Method : C:\msdchem\1\METHODS\Q081307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 13 08:30:47 2007
Response via : Initial Calibration



ACCUTEST Laboratories
M66976

Manual Integrations APPROVED (compounds with "m" flag)
Philip Bassignani
08/15/07 15:49

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4262.D
Acq On : 13 Aug 2007 9:33 am
Operator : danat
Sample : ic227-0.2 (M072)
Misc : MS14080, MSQ227,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 13 10:24:39 2007
Quant Method : C:\msdchem\1\METHODS\Q081307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 13 08:30:47 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.633	128	156975	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.460	114	687838	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.703	117	571763	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.323	95	182226	3.94	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 78.80%

Target Compounds							Qvalue
2) DICHLORODIFLUOROMETHANE	4.044	85	20362	0.23	PPBV		97
3) PROPYLENE	3.976	41	2443m	0.23	PPBV		
4) FREON 114	4.301	85	18621	0.25	PPBV		87
5) CHLOROMETHANE	4.209	50	4449	0.27	PPBV		88
6) VINYL CHLORIDE	4.418	62	4056m	0.20	PPBV		
7) 1,3-BUTADIENE	4.560	39	3167	0.21	PPBV	#	54
8) BROMOMETHANE	4.830	94	5332	0.23	PPBV	#	94
9) CHLOROETHANE	5.011	64	1911	0.23	PPBV	#	52
10) TRICHLOROFLUOROMETHANE	5.787	101	20383	0.24	PPBV	#	27
11) ISOPROPYL ALCOHOL	5.856	45	8514	0.26	PPBV	#	51
12) ACETONE	5.616	43	28344	0.80	PPBV		95
13) PENTANE	6.156	42	5467	0.30	PPBV	#	82
14) 1,1-DICHLOROETHYLENE	6.422	96	4223	0.18	PPBV	#	67
15) CARBON DISULFIDE	6.851	76	15163	0.24	PPBV	#	81
16) ETHANOL	5.112	45	2398	0.47	PPBV	#	62
17) BROMOETHENE	5.368	106	3945	0.18	PPBV	#	12
18) METHYLENE CHLORIDE	6.546	84	17285	0.57	PPBV		84
19) 3-CHLOROPROPENE	6.660	39	5506	0.29	PPBV	#	82
20) FREON 113	6.795	151	11120	0.24	PPBV	#	80
21) TRANS-1,2-DICHLOROETHY...	7.469	96	4369	0.20	PPBV	#	83
22) TERTIARY BUTYL ALCOHOL	6.463	59	8359	0.24	PPBV		81
23) METHYL TERTIARY BUTYL ...	7.728	73	9016	0.20	PPBV		80
24) TETRAHYDROFURAN	9.171	42	1571	0.16	PPBV	#	26
25) HEXANE	8.676	57	5744	0.21	PPBV	#	76
26) VINYL ACETATE	7.796	43	7986	0.27	PPBV	#	22
27) 1,1-DICHLOROETHANE	7.657	63	10767	0.26	PPBV		93
28) METHYL ETHYL KETONE	8.055	43	5646	0.23	PPBV		83
29) cis-1,2-DICHLOROETHYLENE	8.474	96	2571	0.14	PPBV		87
30) ETHYL ACETATE	8.680	43	9749	0.22	PPBV	#	93
31) CHLOROFORM	8.756	83	11776	0.23	PPBV		93
32) 1,1,1-TRICHLOROETHANE	9.707	97	11458	0.21	PPBV		94
33) CARBON TETRACHLORIDE	10.289	117	14132	0.22	PPBV		96
34) 1,2-DICHLOROETHANE	9.466	62	5954	0.18	PPBV	#	85
36) BENZENE	10.149	78	6308	0.14	PPBV		94
37) CYCLOHEXANE	10.410	84	2187	0.11	PPBV	#	70
38) TRICHLOROETHYLENE	11.148	95	4191	0.15	PPBV	#	46
39) 1,2-DICHLOROPROPANE	10.919	63	2618	0.18	PPBV	#	73
40) BROMODICHLOROMETHANE	11.104	83	9811	0.22	PPBV		96
41) 2,2,4-TRIMETHYLPENTANE	11.173	57	10092	0.15	PPBV		89
42) 1,4-DIOXANE	11.159	88	983	0.12	PPBV	#	1
43) HEPTANE	11.398	43	3140	0.14	PPBV	#	80

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4262.D
Acq On : 13 Aug 2007 9:33 am
Operator : danat
Sample : ic227-0.2 (M072)
Misc : MS14080, MSQ227,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 13 10:24:39 2007
Quant Method : C:\msdchem\1\METHODS\Q081307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 13 08:30:47 2007
Response via : Initial Calibration

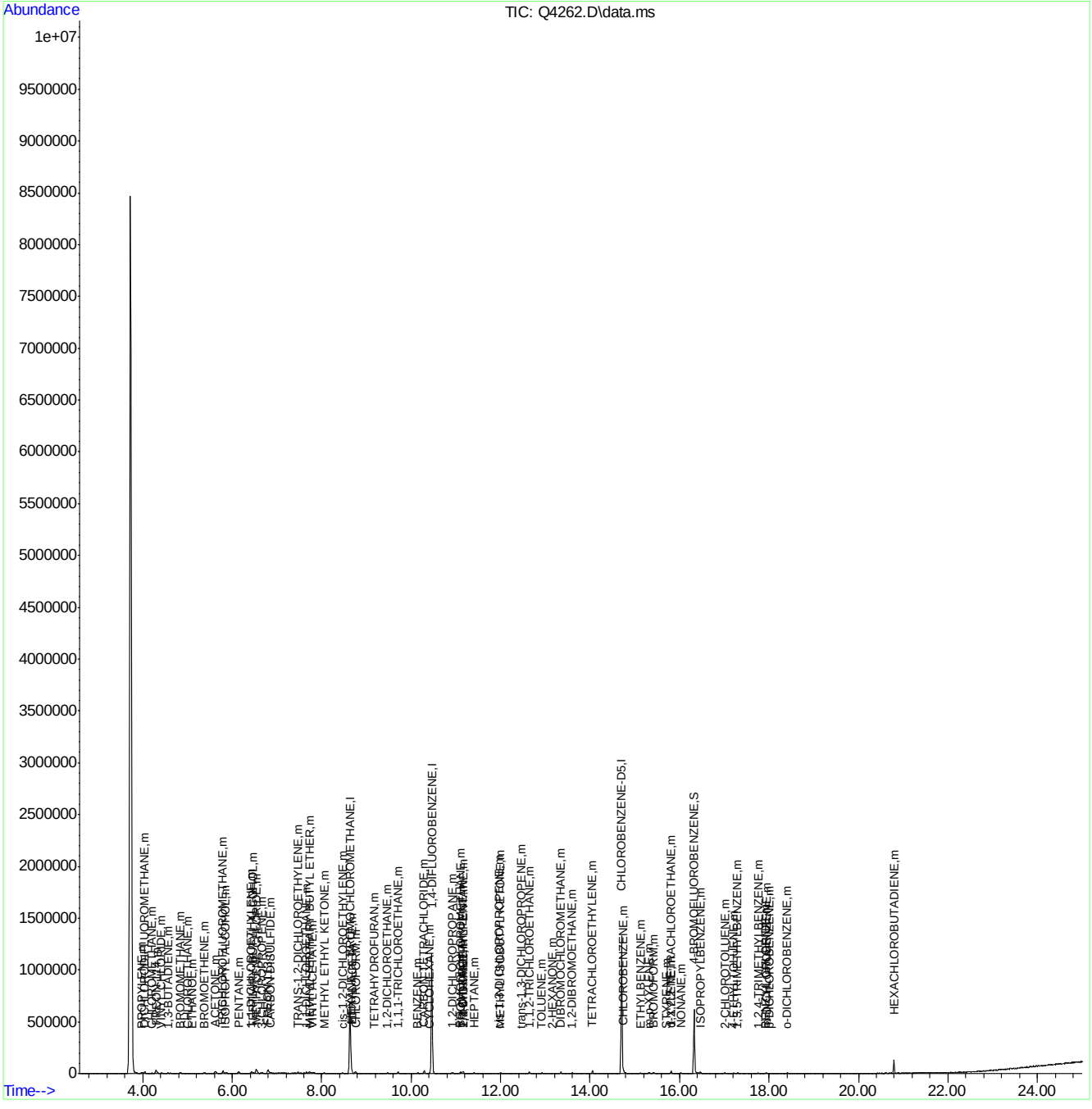
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.995	43	3682	0.15 PPBV #	66
45) cis-1,3-DICHLOROPROPENE	11.965	75	2436	0.11 PPBV #	71
46) TOLUENE	12.925	92	2748	0.09 PPBV #	83
47) trans-1,3-DICHLOROPROPENE	12.463	75	1793	0.09 PPBV #	73
48) 1,1,2-TRICHLOROETHANE	12.646	83	3058	0.19 PPBV	90
50) 2-HEXANONE	13.163	43	2438	0.13 PPBV #	60
51) TETRACHLOROETHYLENE	14.055	164	3913	0.15 PPBV #	80
52) DIBROMOCHLOROMETHANE	13.345	129	7186	0.20 PPBV	94
53) 1,2-DIBROMOETHANE	13.599	107	3640	0.14 PPBV #	99
54) CHLOROBENZENE	14.749	112	6427	0.16 PPBV	97
55) ETHYLBENZENE	15.131	91	5642	0.10 PPBV	93
56) m,p-XYLENE	15.317	106	3652m	0.17 PPBV	
57) o-XYLENE	15.825	106	1710	0.08 PPBV #	72
58) STYRENE	15.708	104	903	0.03 PPBV #	52
59) NONANE	16.022	43	3239	0.13 PPBV #	72
60) BROMOFORM	15.422	173	5546	0.18 PPBV	86
62) 1,1,2,2-TETRACHLOROETHANE	15.811	83	8083	0.24 PPBV	94
63) ISOPROPYLBENZENE	16.467	105	8306	0.13 PPBV	93
64) 2-CHLOROTOLUENE	17.019	91	5234	0.11 PPBV #	68
65) 4-ETHYLTOLUENE	17.207	105	3578m	0.07 PPBV	
66) 1,3,5-TRIMETHYLBENZENE	17.285	105	5403	0.10 PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.754	105	3762	0.08 PPBV #	45
68) m-DICHLOROBENZENE	17.938	146	2097	0.06 PPBV	94
69) BENZYL CHLORIDE	17.921	91	868	0.04 PPBV #	63
70) p-DICHLOROBENZENE	18.009	146	1091	0.04 PPBV #	65
71) o-DICHLOROBENZENE	18.407	146	3208	0.11 PPBV	97
72) HEXACHLOROBUTADIENE	20.794	225	17305	0.68 PPBV	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4262.D
Acq On : 13 Aug 2007 9:33 am
Operator : danat
Sample : ic227-0.2 (M072)
Misc : MS14080, MSQ227,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 13 10:24:39 2007
Quant Method : C:\msdchem\1\METHODS\Q081307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 13 08:30:47 2007
Response via : Initial Calibration



Quantitation Report (Qedit)

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Data Path : C:\msdchem\1\DATA\
Data File : Q4262.D
Acq On    : 13 Aug 2007   9:33 am
Operator  : danat
Sample    : ic227-0.2 (M072)
Misc      : MS14080, MSQ227,,,,,1
ALS Vial  : 2   Sample Multiplier: 1

Quant Time: Aug 13 10:21:39 2007
Quant Method : C:\msdchem\1\METHODS\Q081307T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 13 08:30:47 2007
Response via : Initial Calibration
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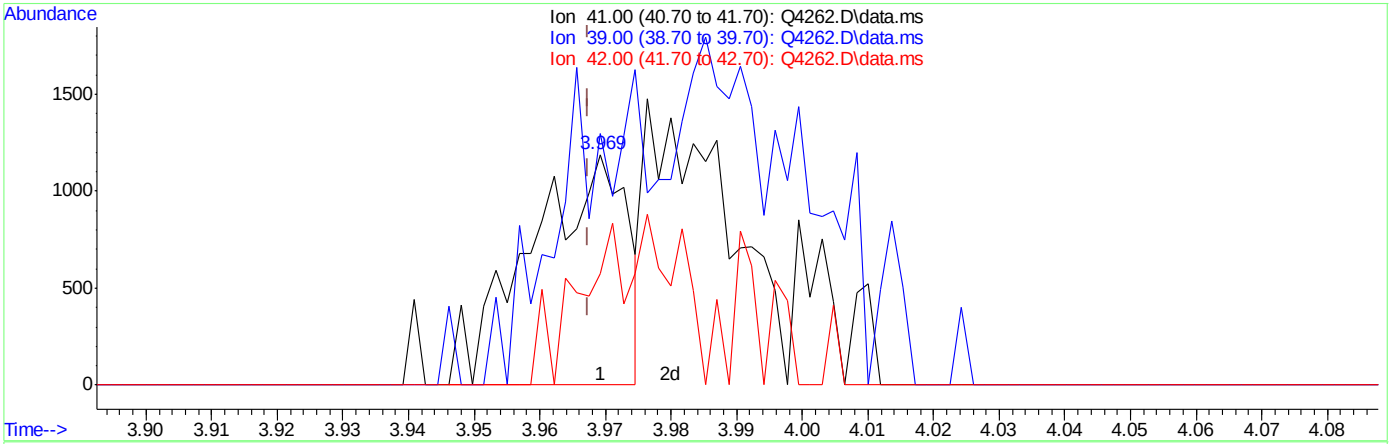
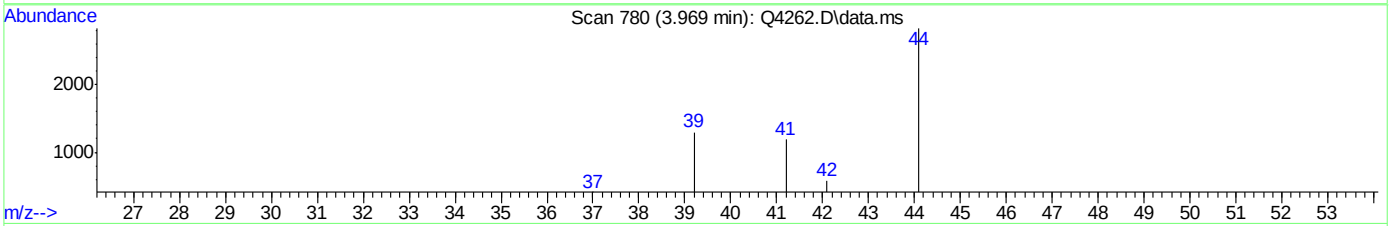
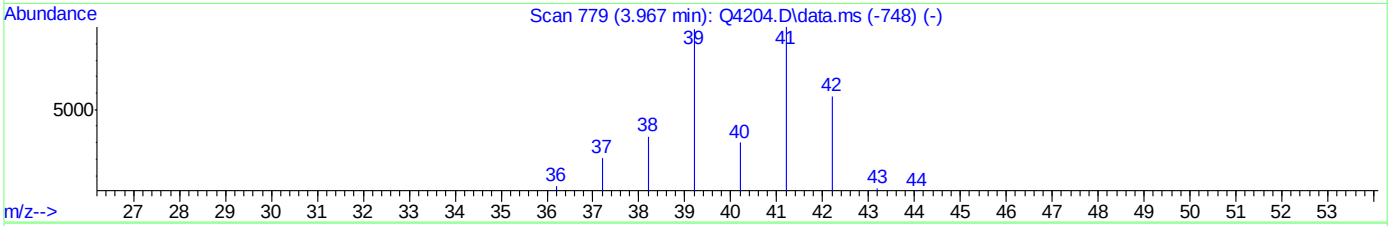






TIC: Q4262.D\data.ms

(3) PROPYLENE (m)

3.969min (+0.002) 0.12PPBV

response 1228

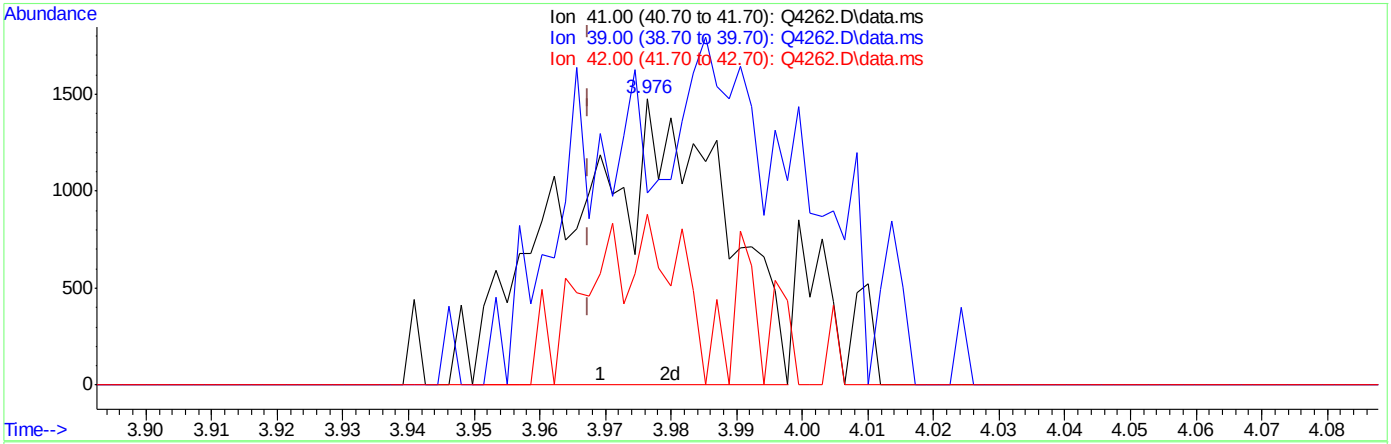
Ion	Exp%	Act%
41.00	100	100
39.00	98.50	109.26
42.00	58.10	48.23
0.00	0.00	0.00

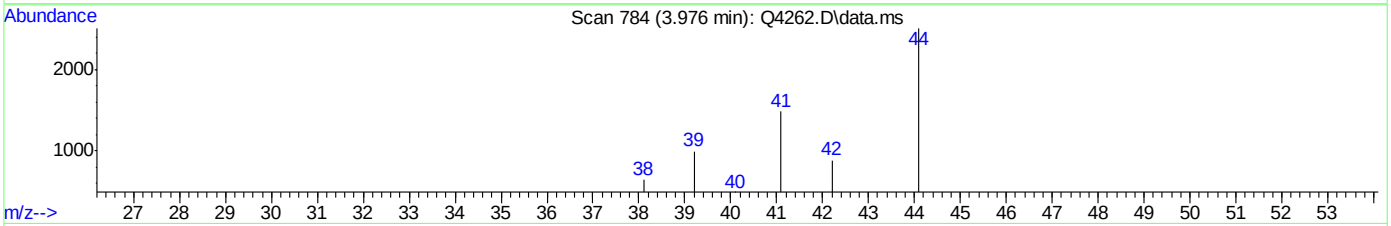
ACCUTEST Laboratories M66976

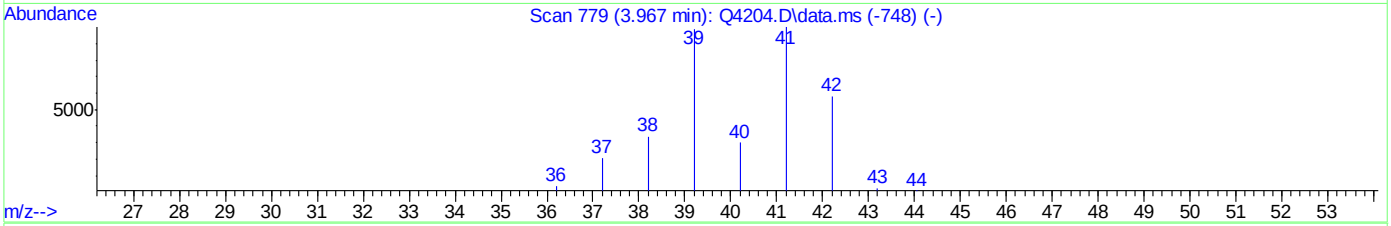
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4262.D
Acq On : 13 Aug 2007 9:33 am
Operator : danat
Sample : ic227-0.2 (M072)
Misc : MS14080, MSQ227,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 13 10:21:39 2007
Quant Method : C:\msdchem\1\METHODS\Q081307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 13 08:30:47 2007
Response via : Initial Calibration







TIC: Q4262.D\data.ms

(3) PROPYLENE (m)

3.976min (+0.009) 0.23PPBV m

response 2443

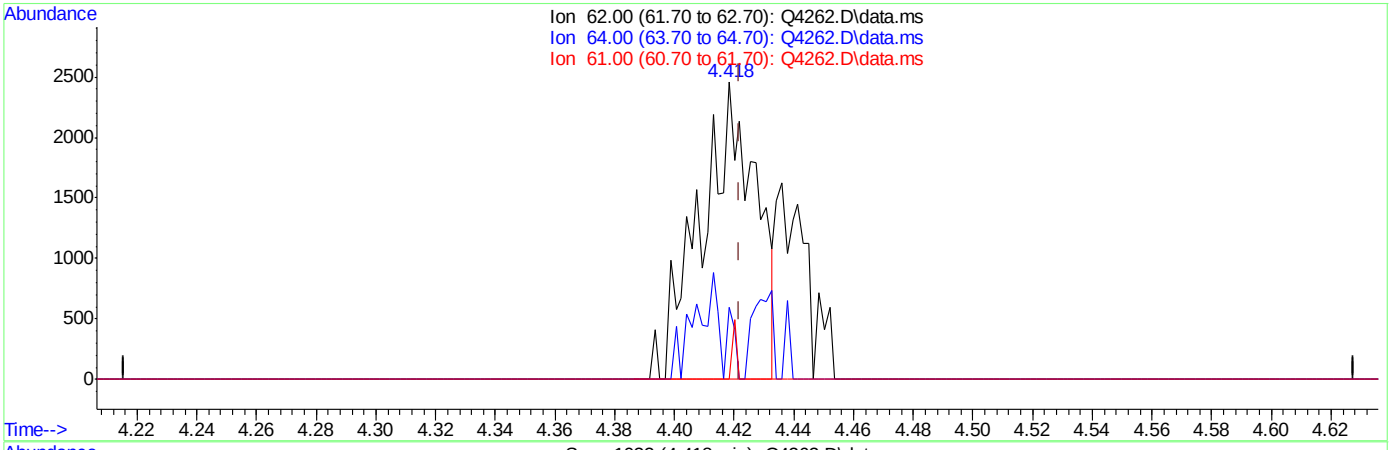
Ion	Exp%	Act%
41.00	100	100
39.00	98.50	66.94#
42.00	58.10	59.43
0.00	0.00	0.00

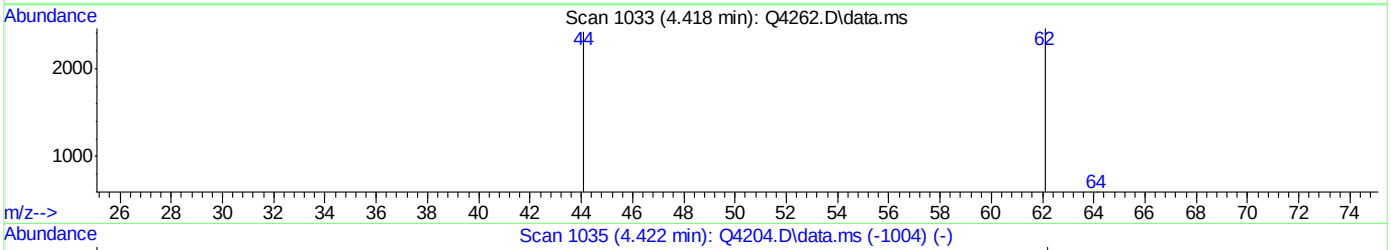
ACCUTEST Laboratories M66976

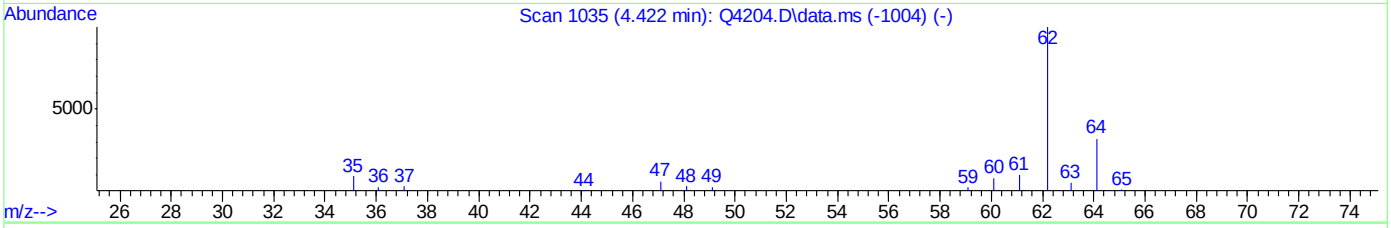
Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q4262.D
Acq On    : 13 Aug 2007   9:33 am
Operator  : danat
Sample    : ic227-0.2 (M072)
Misc      : MS14080, MSQ227,,,,,1
ALS Vial  : 2   Sample Multiplier: 1

Quant Time: Aug 13 10:21:39 2007
Quant Method : C:\msdchem\1\METHODS\Q081307T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 13 08:30:47 2007
Response via : Initial Calibration
```





TIC: Q4262.D\data.ms

(6) VINYL CHLORIDE (m)

4.418min (-0.004) 0.15PPBV

response 3124

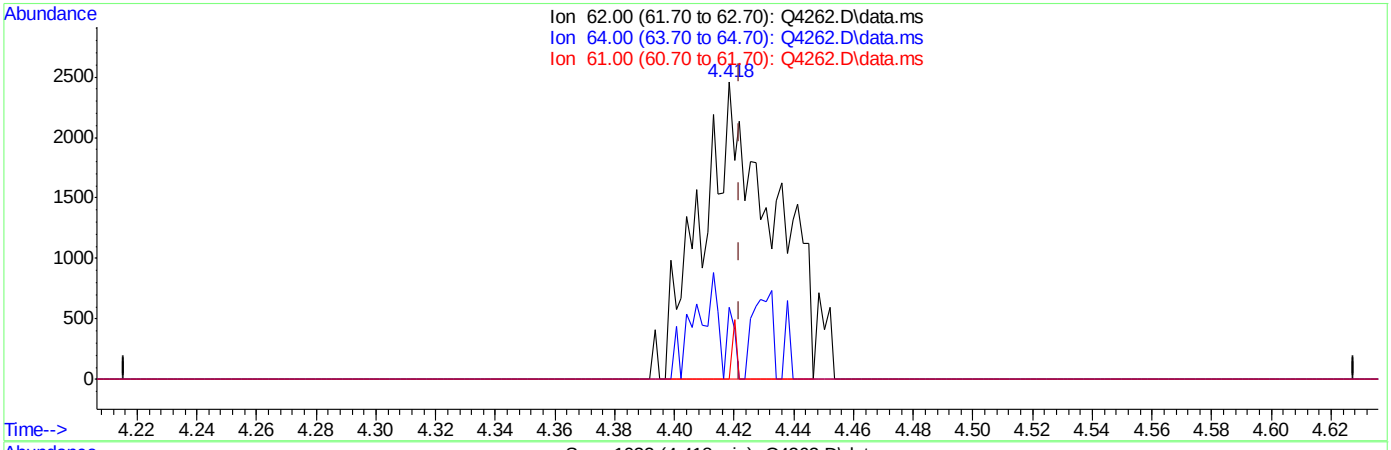
Ion	Exp%	Act%
62.00	100	100
64.00	32.50	18.31
61.00	9.60	0.00
0.00	0.00	0.00

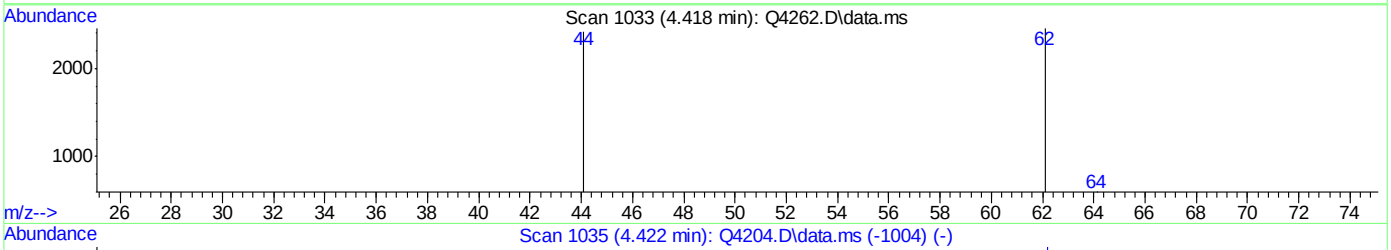
ACCUTEST Laboratories M66976

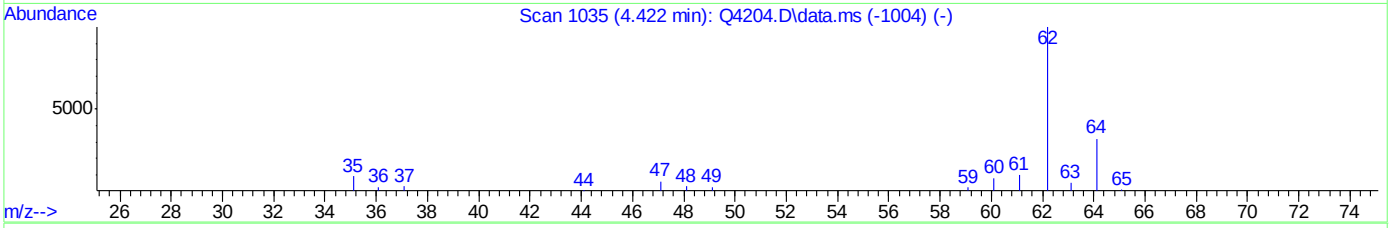
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4262.D
Acq On : 13 Aug 2007 9:33 am
Operator : danat
Sample : ic227-0.2 (M072)
Misc : MS14080, MSQ227,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 13 10:21:39 2007
Quant Method : C:\msdchem\1\METHODS\Q081307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 13 08:30:47 2007
Response via : Initial Calibration







TIC: Q4262.D\data.ms

(6) VINYL CHLORIDE (m)

4.418min (-0.004) 0.20PPBV m

response 4056

Ion	Exp%	Act%
62.00	100	100
64.00	32.50	14.10
61.00	9.60	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q4262.D
Acq On    : 13 Aug 2007   9:33 am
Operator  : danat
Sample    : ic227-0.2 (M072)
Misc      : MS14080, MSQ227,,,,,1
ALS Vial  : 2   Sample Multiplier: 1

Quant Time: Aug 13 10:21:39 2007
Quant Method : C:\msdchem\1\METHODS\Q081307T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 13 08:30:47 2007
Response via : Initial Calibration
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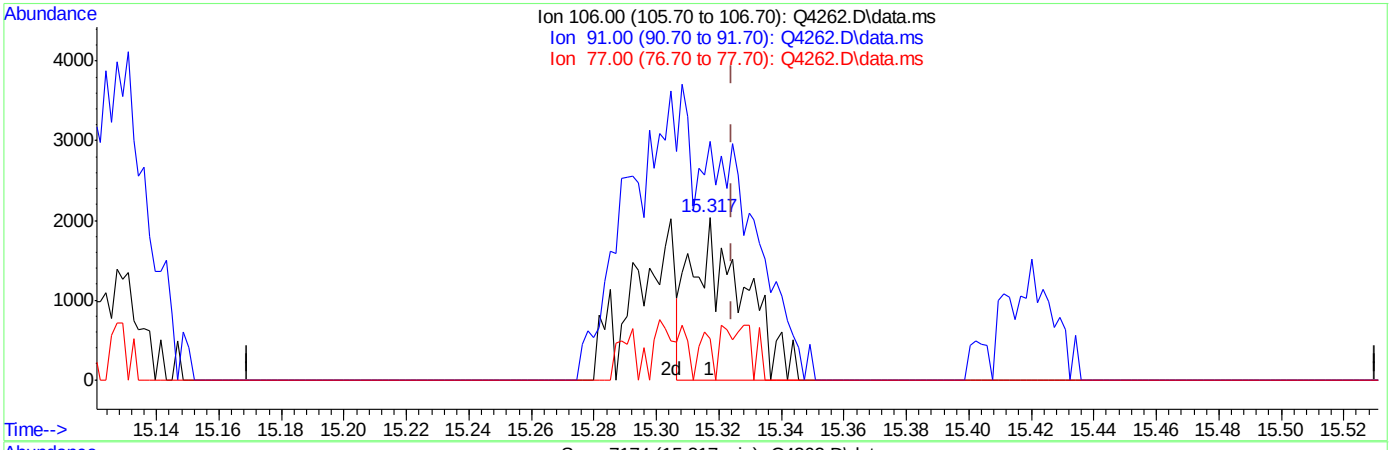
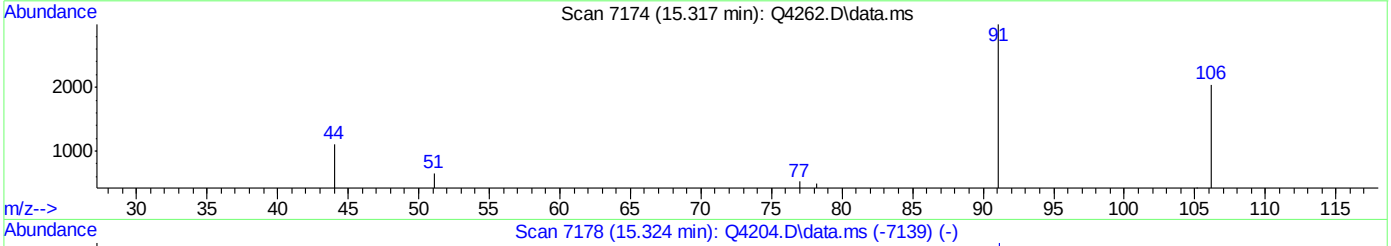
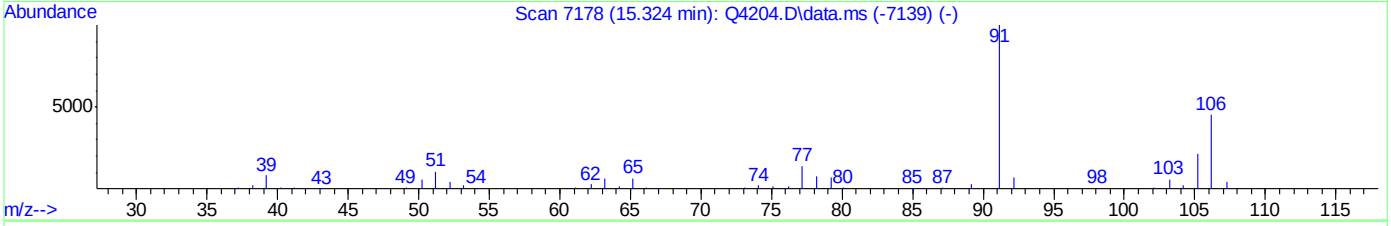






TIC: Q4262.D\data.ms

(56) m,p-XYLENE (m)

15.317min (-0.007) 0.11PPBV

response 2339

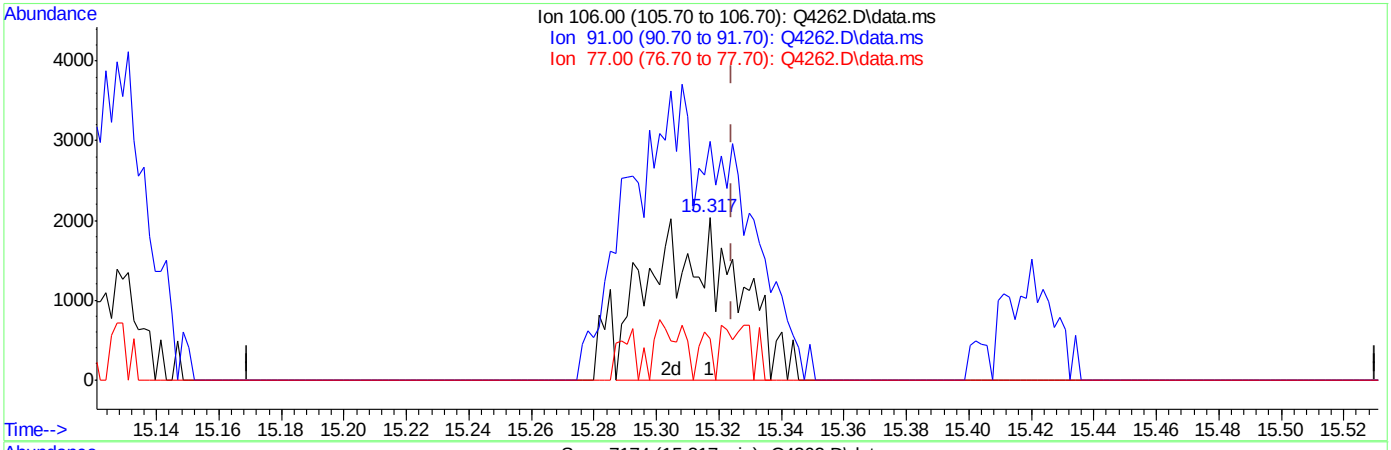
Ion	Exp%	Act%
106.00	100	100
91.00	222.50	146.43#
77.00	31.10	25.17
0.00	0.00	0.00

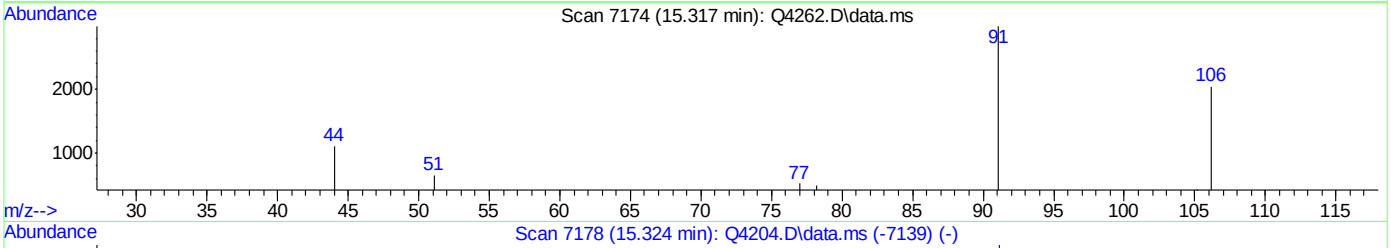
ACCUTEST Laboratories M66976

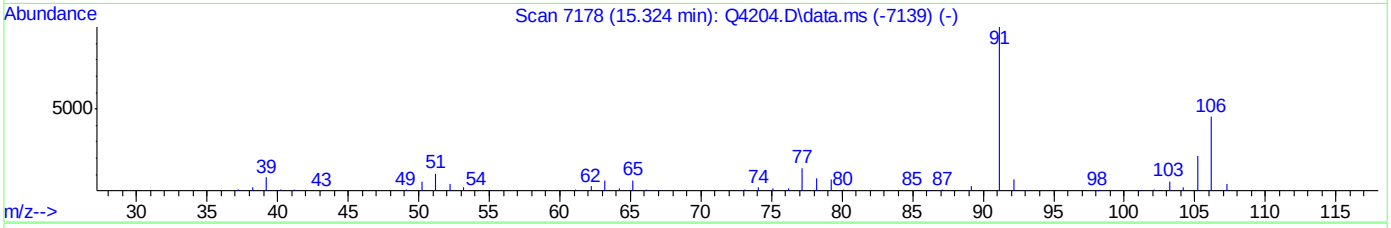
Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q4262.D
Acq On    : 13 Aug 2007   9:33 am
Operator  : danat
Sample    : ic227-0.2 (M072)
Misc      : MS14080, MSQ227,,,,,1
ALS Vial  : 2   Sample Multiplier: 1

Quant Time: Aug 13 10:21:39 2007
Quant Method : C:\msdchem\1\METHODS\Q081307T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 13 08:30:47 2007
Response via : Initial Calibration
```





TIC: Q4262.D\data.ms

(56) m,p-XYLENE (m)

15.317min (-0.007) 0.17PPBV m

response 3652

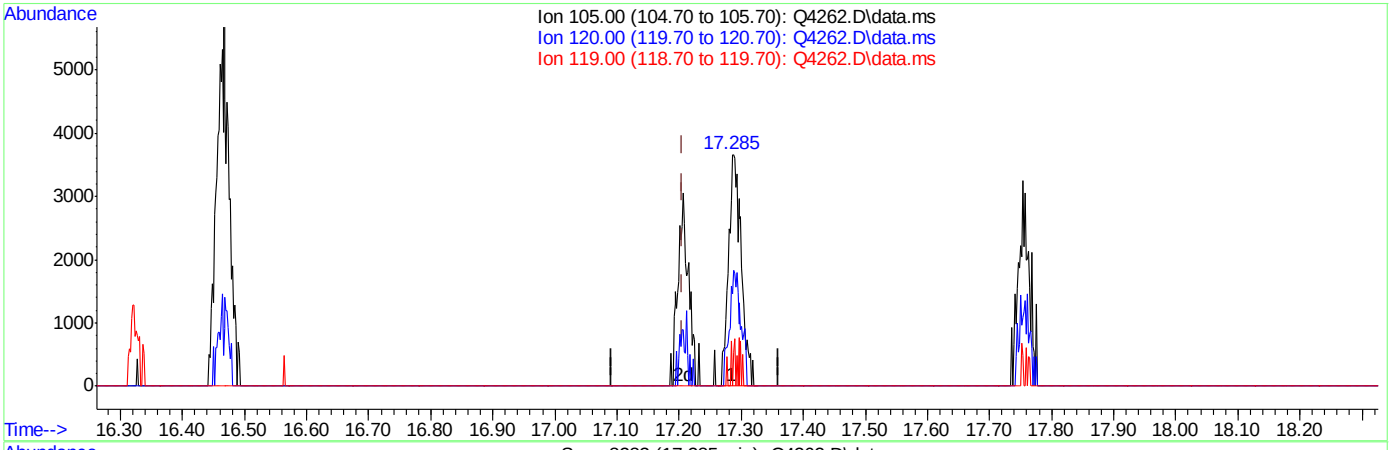
Ion	Exp%	Act%
106.00	100	100
91.00	222.50	146.43#
77.00	31.10	25.17
0.00	0.00	0.00

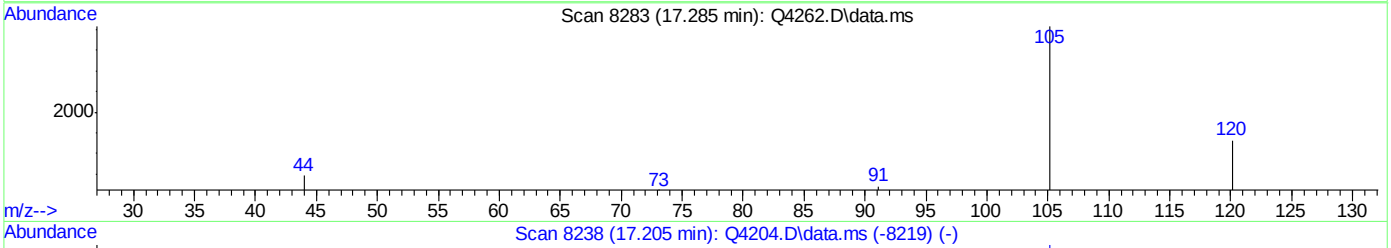
ACCUTEST Laboratories M66976

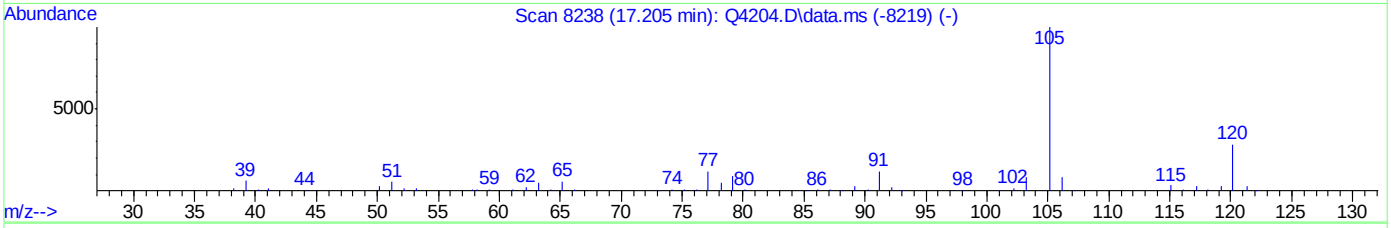
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4262.D
Acq On : 13 Aug 2007 9:33 am
Operator : danat
Sample : ic227-0.2 (M072)
Misc : MS14080, MSQ227,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 13 10:21:39 2007
Quant Method : C:\msdchem\1\METHODS\Q081307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 13 08:30:47 2007
Response via : Initial Calibration







TIC: Q4262.D\data.ms

(65) 4-ETHYLTOLUENE (m)

17.285min (+0.080) 0.10PPBV

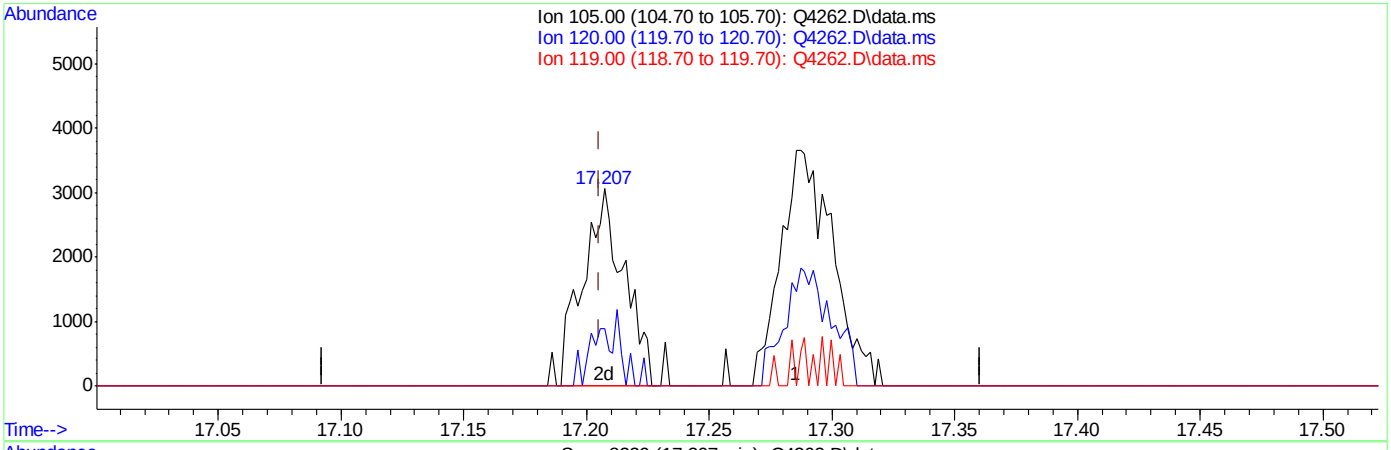
response 5405

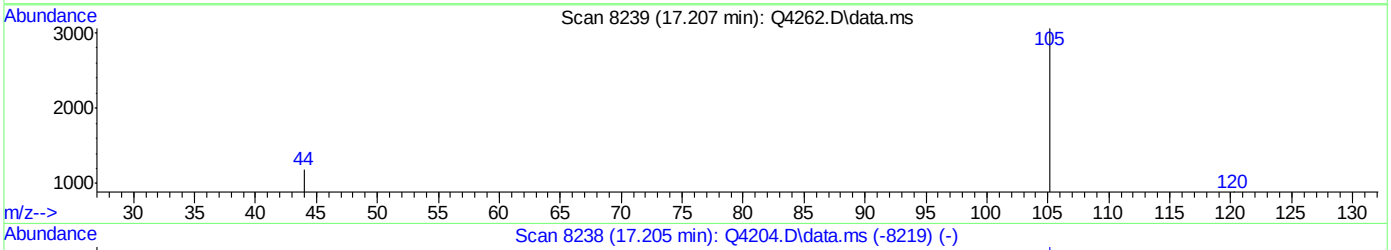
Ion	Exp%	Act%
105.00	100	100
120.00	28.40	45.22
119.00	2.40	5.81
0.00	0.00	0.00

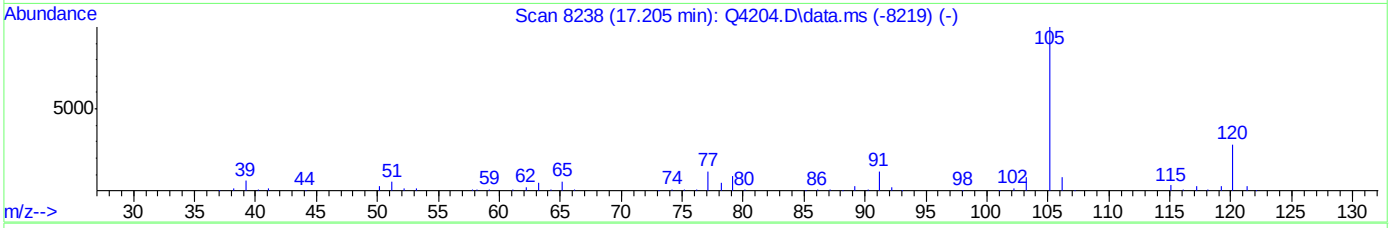
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4262.D
Acq On : 13 Aug 2007 9:33 am
Operator : danat
Sample : ic227-0.2 (M072)
Misc : MS14080, MSQ227,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 13 10:21:39 2007
Quant Method : C:\msdchem\1\METHODS\Q081307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 13 08:30:47 2007
Response via : Initial Calibration







TIC: Q4262.D\data.ms

(65) 4-ETHYLTOLUENE (m)

17.207min (+0.002) 0.07PPBV m

response 3578

Ion	Exp%	Act%
105.00	100	100
120.00	28.40	68.31#
119.00	2.40	8.78
0.00	0.00	0.00

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Manual Integrations APPROVED (compounds with "m" flag)
Philip Bassignani
08/15/07 15:49

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4264.D
Acq On : 13 Aug 2007 10:59 am
Operator : danat
Sample : ic227-20 (M057)
Misc : MS14080, MSQ227,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 13 11:26:52 2007
Quant Method : C:\msdchem\1\METHODS\Q081307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 13 08:30:47 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.633	128	104707	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.461	114	499793	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.703	117	413942	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.322	95	182963	5.47	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 109.40%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.035	85	1119985	18.81	PPBV	99
3) PROPYLENE	3.969	41	137977	19.43	PPBV	96
4) FREON 114	4.301	85	1085271	21.49	PPBV	92
5) CHLOROMETHANE	4.200	50	232122	21.27	PPBV	98
6) VINYL CHLORIDE	4.424	62	293960	21.55	PPBV	99
7) 1,3-BUTADIENE	4.559	39	237361	23.16	PPBV	95
8) BROMOMETHANE	4.835	94	328337	20.99	PPBV	100
9) CHLOROETHANE	5.008	64	133985	24.41	PPBV	97
10) TRICHLOROFLUOROMETHANE	5.794	101	1242762	21.49	PPBV	100
11) ISOPROPYL ALCOHOL	5.822	45	489241	22.12	PPBV	97
12) ACETONE	5.593	43	441475	18.72	PPBV	98
13) PENTANE	6.145	42	294228	24.24	PPBV	98
14) 1,1-DICHLOROETHYLENE	6.422	96	346672	22.19	PPBV #	86
15) CARBON DISULFIDE	6.855	76	1009698	23.98	PPBV	96
16) ETHANOL	5.100	45	89518	26.11	PPBV	97
17) BROMOETHENE	5.371	106	316069	21.32	PPBV	99
18) METHYLENE CHLORIDE	6.541	84	308591	15.39	PPBV	89
19) 3-CHLOROPROPENE	6.662	39	420120	32.93	PPBV	97
20) FREON 113	6.797	151	657250	21.35	PPBV	88
21) TRANS-1,2-DICHLOROETHY...	7.469	96	353848	23.82	PPBV	90
22) TERTIARY BUTYL ALCOHOL	6.429	59	736972	32.32	PPBV	98
23) METHYL TERTIARY BUTYL ...	7.705	73	913511	31.12	PPBV	95
24) TETRAHYDROFURAN	9.139	42	189971	29.40	PPBV	87
25) HEXANE	8.665	57	337043	18.14	PPBV	96
26) VINYL ACETATE	7.787	43	743384	37.49	PPBV	96
27) 1,1-DICHLOROETHANE	7.661	63	754659	27.75	PPBV	99
28) METHYL ETHYL KETONE	8.028	43	461392	28.44	PPBV	94
29) cis-1,2-DICHLOROETHYLENE	8.468	96	271113	22.79	PPBV	89
30) ETHYL ACETATE	8.664	43	659617	22.17	PPBV	99
31) CHLOROFORM	8.752	83	771200	22.38	PPBV	97
32) 1,1,1-TRICHLOROETHANE	9.707	97	856480	23.62	PPBV	97
33) CARBON TETRACHLORIDE	10.289	117	967956	23.00	PPBV	99
34) 1,2-DICHLOROETHANE	9.459	62	530012	24.64	PPBV	99
36) BENZENE	10.147	78	720594	22.33	PPBV	98
37) CYCLOHEXANE	10.414	84	311259	21.50	PPBV	88
38) TRICHLOROETHYLENE	11.143	95	443956	22.41	PPBV	92
39) 1,2-DICHLOROPROPANE	10.921	63	222941	21.53	PPBV	97
40) BROMODICHLOROMETHANE	11.106	83	837983	26.02	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.166	57	1221920	24.86	PPBV	99
42) 1,4-DIOXANE	11.129	88	150031	25.81	PPBV #	83
43) HEPTANE	11.406	43	421430	26.33	PPBV	94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4264.D
Acq On : 13 Aug 2007 10:59 am
Operator : danat
Sample : ic227-20 (M057)
Misc : MS14080, MSQ227,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 13 11:26:52 2007
Quant Method : C:\msdchem\1\METHODS\Q081307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 13 08:30:47 2007
Response via : Initial Calibration

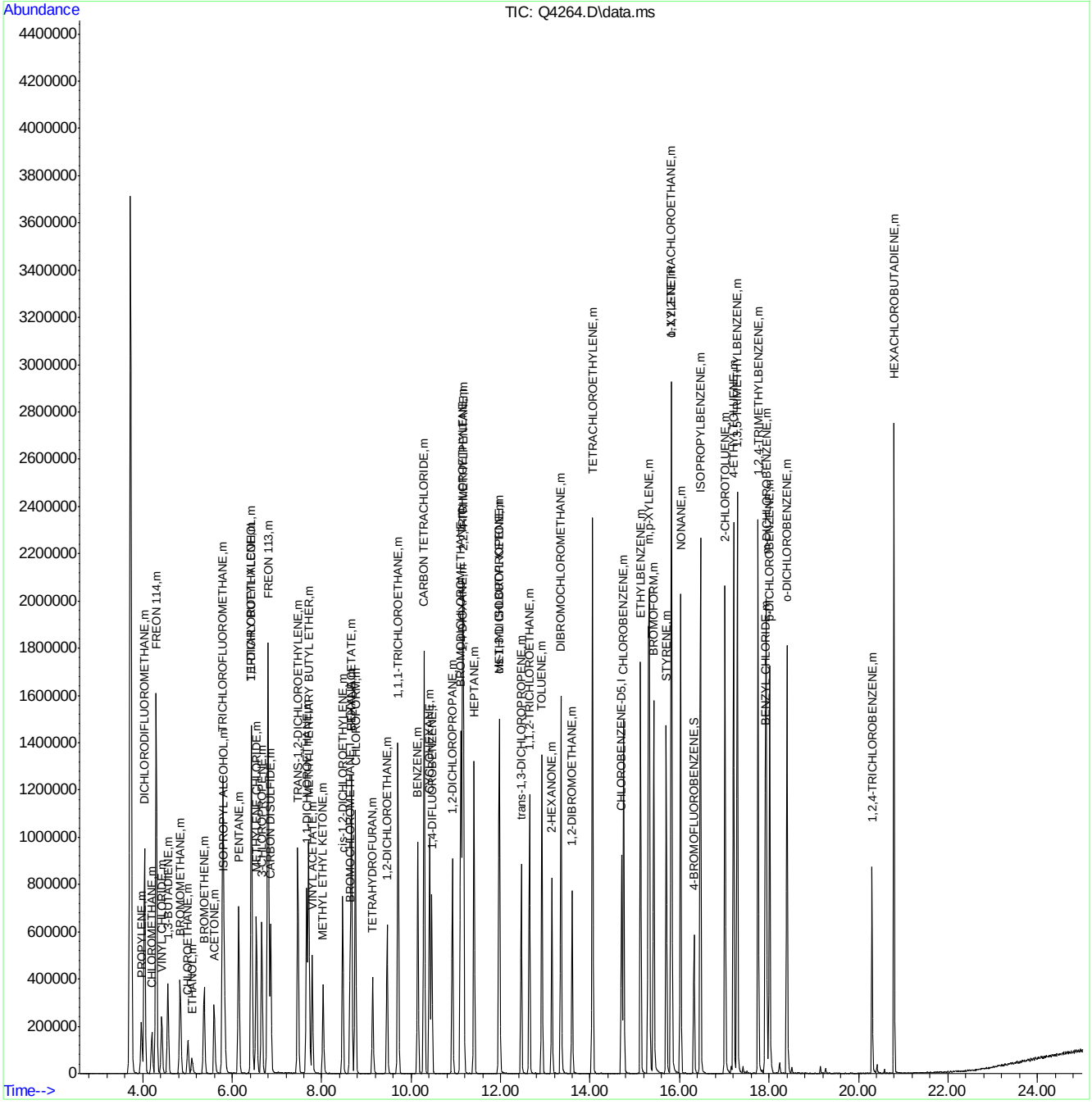
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.977	43	569708	31.82	PPBV	96
45) cis-1,3-DICHLOROPROPENE	11.961	75	401259	25.44	PPBV	86
46) TOLUENE	12.923	92	489683	22.30	PPBV	98
47) trans-1,3-DICHLOROPROPENE	12.460	75	388138	27.11	PPBV	92
48) 1,1,2-TRICHLOROETHANE	12.644	83	252754	22.08	PPBV	96
50) 2-HEXANONE	13.145	43	504812	36.33	PPBV	96
51) TETRACHLOROETHYLENE	14.055	164	419575	22.21	PPBV	94
52) DIBROMOCHLOROMETHANE	13.349	129	744565	28.59	PPBV	100
53) 1,2-DIBROMOETHANE	13.599	107	450653	23.38	PPBV	99
54) CHLOROBENZENE	14.748	112	659879	23.04	PPBV	96
55) ETHYLBENZENE	15.126	91	1127269	26.67	PPBV	98
56) m,p-XYLENE	15.321	106	846030	54.66	PPBV	95
57) o-XYLENE	15.820	106	440273	29.19	PPBV	98
58) STYRENE	15.701	104	600766	28.90	PPBV	97
59) NONANE	16.022	43	621903	33.32	PPBV	95
60) BROMOFORM	15.420	173	694135m	30.34	PPBV	
62) 1,1,2,2-TETRACHLOROETHANE	15.809	83	681495	27.76	PPBV	97
63) ISOPROPYLBENZENE	16.466	105	1374231	29.15	PPBV	97
64) 2-CHLOROTOLUENE	17.016	91	1045851	29.51	PPBV	96
65) 4-ETHYLTOLUENE	17.204	105	1309404	32.88	PPBV	98
66) 1,3,5-TRIMETHYLBENZENE	17.289	105	1243393	31.14	PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.754	105	1136549	31.57	PPBV	100
68) m-DICHLOROBENZENE	17.939	146	633619	26.75	PPBV	98
69) BENZYL CHLORIDE	17.914	91	740498	43.87	PPBV	98
70) p-DICHLOROBENZENE	18.011	146	590526	26.28	PPBV	97
71) o-DICHLOROBENZENE	18.398	146	608864	27.61	PPBV	98
72) HEXACHLOROBUTADIENE	20.796	225	412267	22.23	PPBV	100
73) 1,2,4-TRICHLOROBENZENE	20.303	180	210693	28.77	PPBV	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4264.D
Acq On : 13 Aug 2007 10:59 am
Operator : danat
Sample : ic227-20 (M057)
Misc : MS14080, MSQ227,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 13 11:26:52 2007
Quant Method : C:\msdchem\1\METHODS\Q081307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 13 08:30:47 2007
Response via : Initial Calibration



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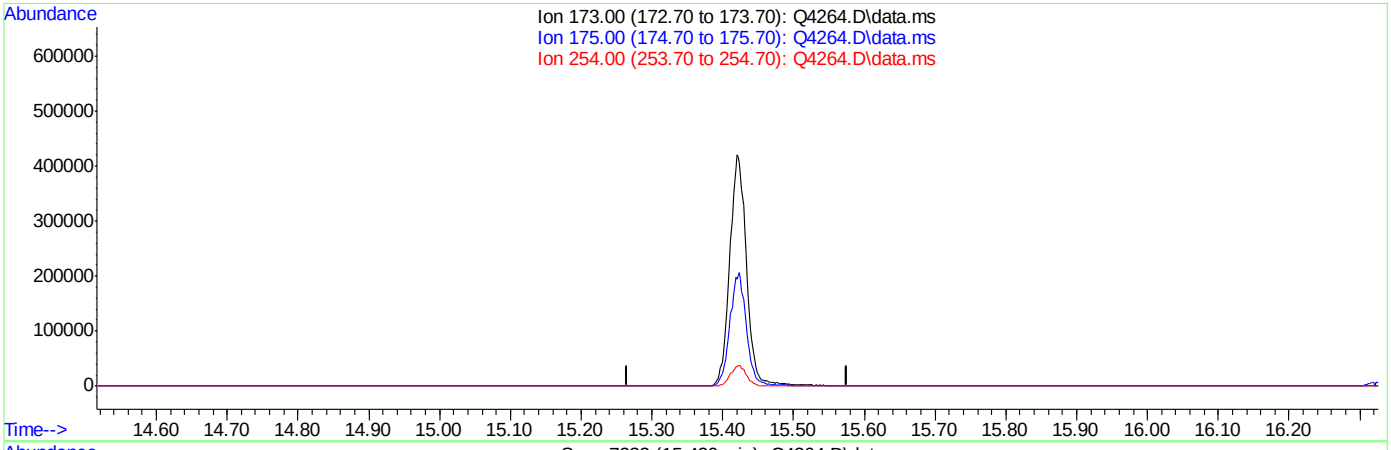
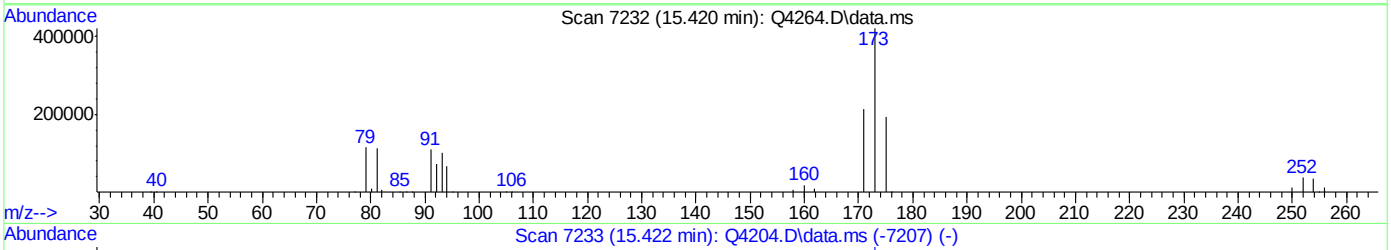
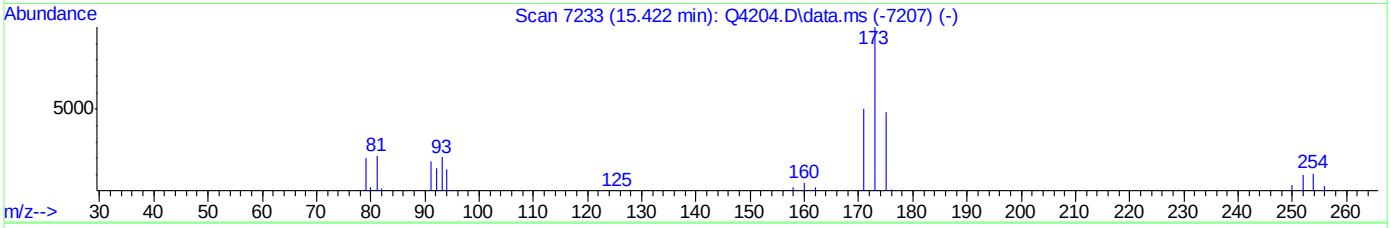
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4264.D
Acq On : 13 Aug 2007 10:59 am
Operator : danat
Sample : ic227-20 (M057)
Misc : MS14080, MSQ227,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 13 11:25:34 2007
Quant Method : C:\msdchem\1\METHODS\Q081307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 13 08:30:47 2007
Response via : Initial Calibration







TIC: Q4264.D\data.ms

(60) BROMOFORM (m)

15.421min (-15.421) 0.00PPBV

response 0

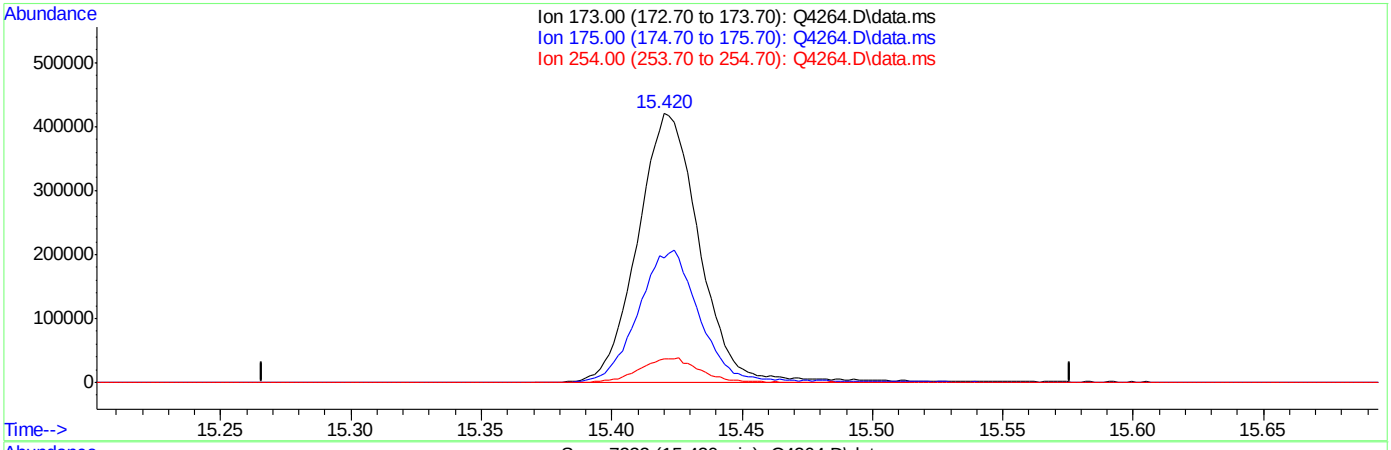
Ion	Exp%	Act%
173.00	100	0.00
175.00	49.10	0.00#
254.00	10.00	0.00
0.00	0.00	0.00

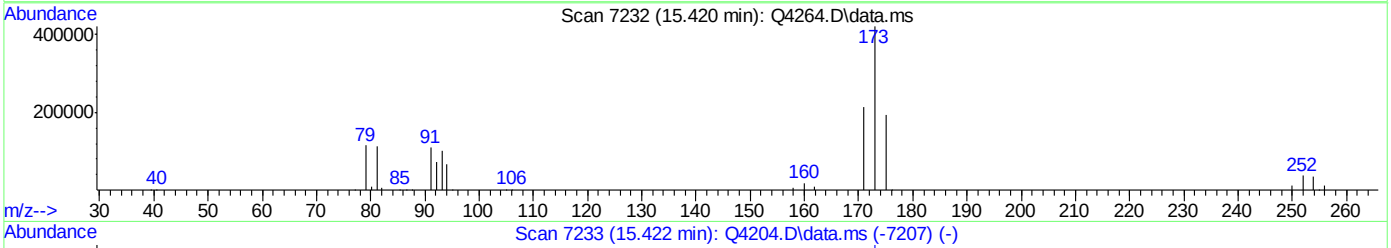
ACCUTEST Laboratories M66976

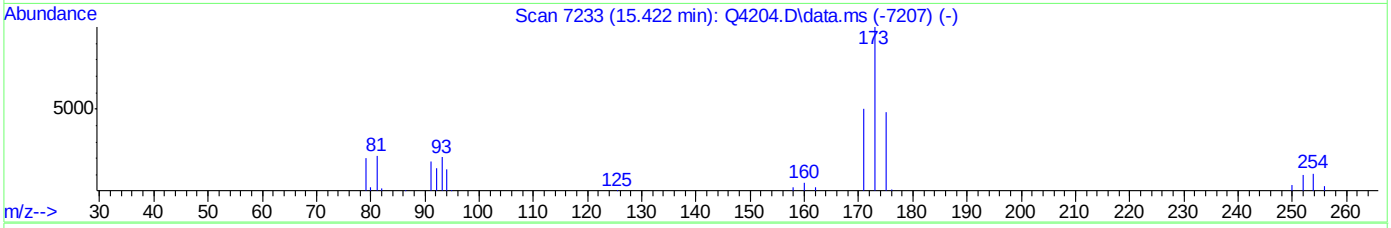
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4264.D
Acq On : 13 Aug 2007 10:59 am
Operator : danat
Sample : ic227-20 (M057)
Misc : MS14080, MSQ227,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 13 11:25:34 2007
Quant Method : C:\msdchem\1\METHODS\Q081307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 13 08:30:47 2007
Response via : Initial Calibration







TIC: Q4264.D\data.ms

(60) BROMOFORM (m)

15.420min (-0.001) 30.34PPBV m

response 694135

Ion	Exp%	Act%
173.00	100	100
175.00	49.10	0.00#
254.00	10.00	0.00
0.00	0.00	0.00

ACCUTEST Laboratories M66976

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4265.D
Acq On : 13 Aug 2007 11:41 am
Operator : danat
Sample : icc227-10 (M057)
Misc : MS14080, MSQ227,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 13 13:03:59 2007
Quant Method : C:\msdchem\1\METHODS\Q081307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 13 08:30:47 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.630	128	120773	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.458	114	562911	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.703	117	468170	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.322	95	191504	5.06	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 101.20%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.037	85	551288	8.03	PPBV	98
3) PROPYLENE	3.971	41	64683	7.90	PPBV	92
4) FREON 114	4.298	85	451076	7.74	PPBV	92
5) CHLOROMETHANE	4.203	50	94455	7.50	PPBV	99
6) VINYL CHLORIDE	4.425	62	123835	7.87	PPBV	99
7) 1,3-BUTADIENE	4.555	39	104231	8.82	PPBV	93
8) BROMOMETHANE	4.835	94	144196	7.99	PPBV	99
9) CHLOROETHANE	5.011	64	58354	9.22	PPBV	97
10) TRICHLOROFLUOROMETHANE	5.788	101	589405	8.84	PPBV	100
11) ISOPROPYL ALCOHOL	5.827	45	234192	9.18	PPBV	97
12) ACETONE	5.598	43	220221	8.10	PPBV	96
13) PENTANE	6.143	42	140875	10.06	PPBV	98
14) 1,1-DICHLOROETHYLENE	6.426	96	163861	9.09	PPBV #	81
15) CARBON DISULFIDE	6.857	76	513506	10.57	PPBV	94
16) ETHANOL	5.100	45	42765	10.82	PPBV	97
17) BROMOETHENE	5.371	106	143683	8.40	PPBV #	98
18) METHYLENE CHLORIDE	6.541	84	146032	6.31	PPBV	85
19) 3-CHLOROPROPENE	6.658	39	201340	13.68	PPBV	96
20) FREON 113	6.798	151	307354	8.66	PPBV	86
21) TRANS-1,2-DICHLOROETHY...	7.466	96	168885	9.85	PPBV #	85
22) TERTIARY BUTYL ALCOHOL	6.429	59	365185	13.88	PPBV	96
23) METHYL TERTIARY BUTYL ...	7.709	73	465236	13.74	PPBV	93
24) TETRAHYDROFURAN	9.139	42	102877	13.80	PPBV	82
25) HEXANE	8.667	57	187686	8.76	PPBV	96
26) VINYL ACETATE	7.789	43	392059	17.14	PPBV	97
27) 1,1-DICHLOROETHANE	7.663	63	388869	12.40	PPBV	99
28) METHYL ETHYL KETONE	8.032	43	268511	14.35	PPBV	92
29) cis-1,2-DICHLOROETHYLENE	8.468	96	128466	9.36	PPBV #	82
30) ETHYL ACETATE	8.662	43	370443	10.79	PPBV	98
31) CHLOROFORM	8.750	83	398424	10.02	PPBV	95
32) 1,1,1-TRICHLOROETHANE	9.705	97	425717	10.18	PPBV	95
33) CARBON TETRACHLORIDE	10.289	117	506643	10.44	PPBV	98
34) 1,2-DICHLOROETHANE	9.462	62	263319	10.61	PPBV	99
36) BENZENE	10.145	78	329058	9.05	PPBV	97
37) CYCLOHEXANE	10.412	84	154933	9.50	PPBV	85
38) TRICHLOROETHYLENE	11.143	95	210300	9.43	PPBV	89
39) 1,2-DICHLOROPROPANE	10.919	63	107375	9.21	PPBV	97
40) BROMODICHLOROMETHANE	11.104	83	392215	10.81	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.166	57	593595	10.72	PPBV	98
42) 1,4-DIOXANE	11.132	88	69277	10.58	PPBV	88
43) HEPTANE	11.406	43	209440	11.62	PPBV	91

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4265.D
Acq On : 13 Aug 2007 11:41 am
Operator : danat
Sample : icc227-10 (M057)
Misc : MS14080, MSQ227,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 13 13:03:59 2007
Quant Method : C:\msdchem\1\METHODS\Q081307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 13 08:30:47 2007
Response via : Initial Calibration

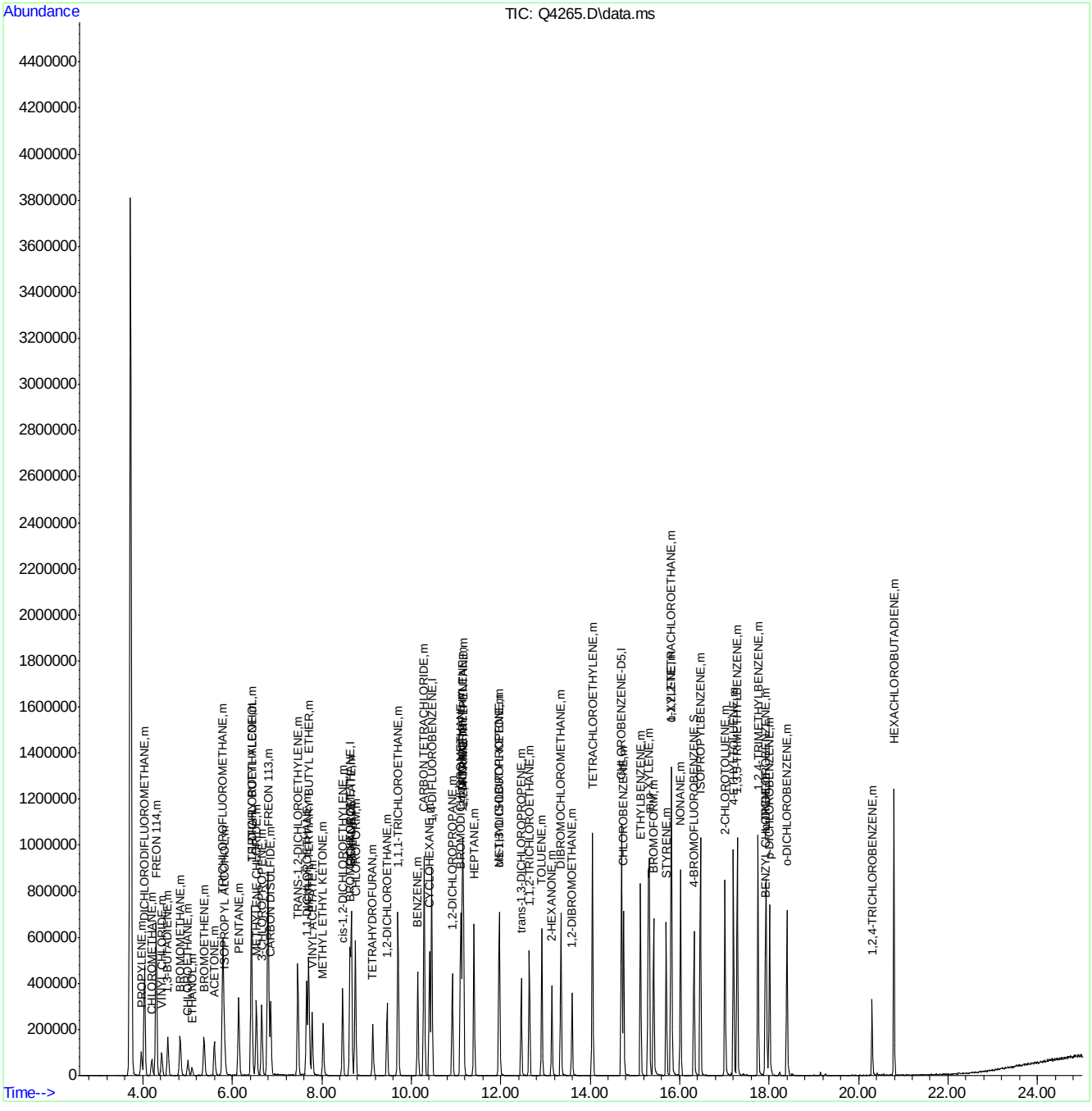
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.975	43	289731	14.37 PPBV	93
45) cis-1,3-DICHLOROPROPENE	11.961	75	180343	10.15 PPBV #	79
46) TOLUENE	12.921	92	219289	8.87 PPBV	98
47) trans-1,3-DICHLOROPROPENE	12.460	75	176047	10.92 PPBV	89
48) 1,1,2-TRICHLOROETHANE	12.643	83	117892	9.14 PPBV	95
50) 2-HEXANONE	13.145	43	242035	15.40 PPBV	92
51) TETRACHLOROETHYLENE	14.052	164	175665	8.22 PPBV	91
52) DIBROMOCHLOROMETHANE	13.347	129	320602	10.88 PPBV	100
53) 1,2-DIBROMOETHANE	13.597	107	204235	9.37 PPBV	99
54) CHLOROBENZENE	14.747	112	297125	9.17 PPBV	93
55) ETHYLBENZENE	15.125	91	513789	10.75 PPBV	97
56) m,p-XYLENE	15.321	106	382059	21.83 PPBV	98
57) o-XYLENE	15.819	106	190817	11.19 PPBV	95
58) STYRENE	15.700	104	251554	10.70 PPBV	95
59) NONANE	16.022	43	276829	13.11 PPBV	93
60) BROMOFORM	15.420	173	282191	10.90 PPBV	98
62) 1,1,2,2-TETRACHLOROETHANE	15.807	83	305681	11.01 PPBV	97
63) ISOPROPYLBENZENE	16.465	105	595169	11.16 PPBV	96
64) 2-CHLOROTOLUENE	17.016	91	422709	10.55 PPBV	95
65) 4-ETHYLTOLUENE	17.204	105	531804	11.81 PPBV	97
66) 1,3,5-TRIMETHYLBENZENE	17.287	105	516308	11.43 PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.756	105	487451	11.97 PPBV	97
68) m-DICHLOROBENZENE	17.938	146	263099	9.82 PPBV	97
69) BENZYL CHLORIDE	17.914	91	304069	15.93 PPBV	96
70) p-DICHLOROBENZENE	18.013	146	247722	9.75 PPBV	97
71) o-DICHLOROBENZENE	18.398	146	244607	9.81 PPBV	97
72) HEXACHLOROBUTADIENE	20.792	225	180919	8.62 PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.302	180	79609	9.61 PPBV	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4265.D
Acq On : 13 Aug 2007 11:41 am
Operator : danat
Sample : icc227-10 (M057)
Misc : MS14080, MSQ227,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 13 13:03:59 2007
Quant Method : C:\msdchem\1\METHODS\Q081307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 13 08:30:47 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4266.D
Acq On : 13 Aug 2007 12:24 pm
Operator : danat
Sample : ic227-5 (M057)
Misc : MS14080, MSQ227,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 13 13:05:38 2007
Quant Method : C:\msdchem\1\METHODS\Q081307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 13 13:05:26 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.630	128	153309	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.458	114	771417	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.699	117	649401	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.320	95	235610	4.86	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 97.20%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.035	85	387966	4.48	PPBV	99
3) PROPYLENE	3.969	41	53891	4.58	PPBV	99
4) FREON 114	4.298	85	345068	4.52	PPBV	92
5) CHLOROMETHANE	4.202	50	88115	5.06	PPBV	99
6) VINYL CHLORIDE	4.422	62	104881	5.26	PPBV	99
7) 1,3-BUTADIENE	4.558	39	86038	5.21	PPBV	98
8) BROMOMETHANE	4.832	94	112114	4.85	PPBV	97
9) CHLOROETHANE	5.002	64	48001	5.33	PPBV	100
10) TRICHLOROFLUOROMETHANE	5.787	101	447197	4.97	PPBV	99
11) ISOPROPYL ALCOHOL	5.826	45	238778	6.27	PPBV	95
12) ACETONE	5.600	43	235045	3.38	PPBV	99
13) PENTANE	6.140	42	138693	5.89	PPBV	92
14) 1,1-DICHLOROETHYLENE	6.422	96	122766	5.43	PPBV	94
15) CARBON DISULFIDE	6.859	76	404926	5.61	PPBV	98
16) ETHANOL	5.100	45	49800	5.68	PPBV	97
17) BROMOETHENE	5.368	106	105530	5.12	PPBV	98
18) METHYLENE CHLORIDE	6.541	84	114603	2.55	PPBV	91
19) 3-CHLOROPROPENE	6.658	39	144093	5.19	PPBV	93
20) FREON 113	6.802	151	210622	4.50	PPBV	96
21) TRANS-1,2-DICHLOROETHY...	7.469	96	102277	4.43	PPBV	97
22) TERTIARY BUTYL ALCOHOL	6.431	59	306350	6.45	PPBV	96
23) METHYL TERTIARY BUTYL ...	7.709	73	281944	5.13	PPBV	100
24) TETRAHYDROFURAN	9.141	42	91853	7.55	PPBV	97
25) HEXANE	8.665	57	152020	5.61	PPBV	99
26) VINYL ACETATE	7.785	43	230970	4.85	PPBV	100
27) 1,1-DICHLOROETHANE	7.659	63	217931	4.24	PPBV	100
28) METHYL ETHYL KETONE	8.032	43	210226	6.24	PPBV	98
29) cis-1,2-DICHLOROETHYLENE	8.470	96	90094	5.43	PPBV	99
30) ETHYL ACETATE	8.660	43	322656	6.33	PPBV	100
31) CHLOROFORM	8.752	83	288981	5.14	PPBV	100
32) 1,1,1-TRICHLOROETHANE	9.707	97	293291	5.05	PPBV	99
33) CARBON TETRACHLORIDE	10.287	117	343013	5.05	PPBV	98
34) 1,2-DICHLOROETHANE	9.459	62	195920	5.62	PPBV	99
36) BENZENE	10.147	78	272445	5.52	PPBV	99
37) CYCLOHEXANE	10.412	84	127689	6.35	PPBV	96
38) TRICHLOROETHYLENE	11.143	95	164551	5.40	PPBV	98
39) 1,2-DICHLOROPROPANE	10.917	63	97284	5.60	PPBV	92
40) BROMODICHLOROMETHANE	11.102	83	296477	4.89	PPBV	97
41) 2,2,4-TRIMETHYLPENTANE	11.166	57	486000	5.78	PPBV	99
42) 1,4-DIOXANE	11.134	88	59307	6.06	PPBV #	80
43) HEPTANE	11.402	43	172231	6.02	PPBV	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4266.D
Acq On : 13 Aug 2007 12:24 pm
Operator : danat
Sample : ic227-5 (M057)
Misc : MS14080, MSQ227,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 13 13:05:38 2007
Quant Method : C:\msdchem\1\METHODS\Q081307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 13 13:05:26 2007
Response via : Initial Calibration

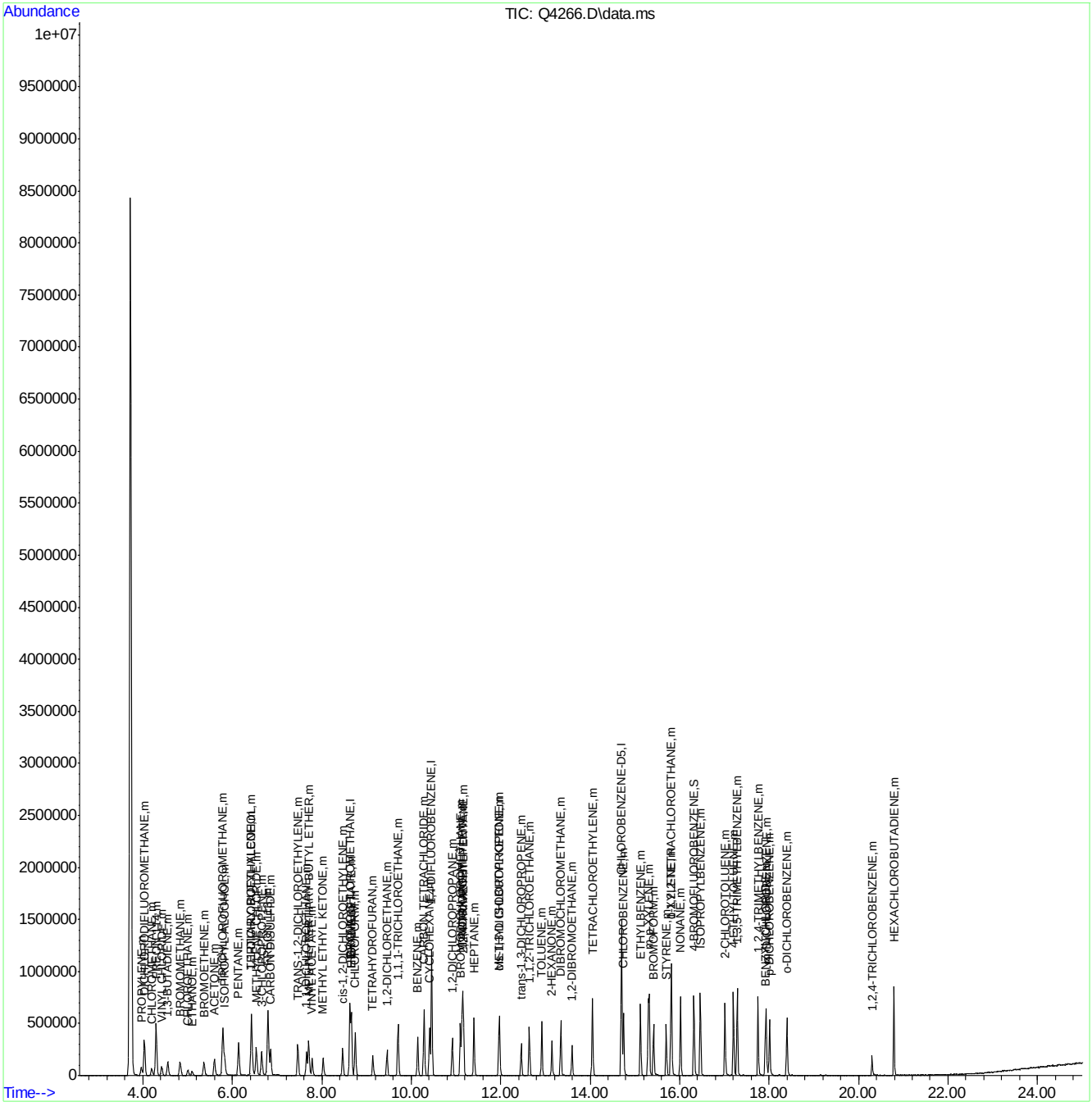
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.975	43	262510	7.04	PPBV	99
45) cis-1,3-DICHLOROPROPENE	11.961	75	143371	5.84	PPBV	96
46) TOLUENE	12.921	92	177228	5.95	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.458	75	133273	6.04	PPBV	98
48) 1,1,2-TRICHLOROETHANE	12.639	83	108442	5.59	PPBV	98
50) 2-HEXANONE	13.147	43	213232	6.85	PPBV	99
51) TETRACHLOROETHYLENE	14.052	164	127054	4.62	PPBV	99
52) DIBROMOCHLOROMETHANE	13.344	129	238085	4.80	PPBV	99
53) 1,2-DIBROMOETHANE	13.597	107	167986	5.60	PPBV	99
54) CHLOROBENZENE	14.747	112	249895	5.59	PPBV	99
55) ETHYLBENZENE	15.124	91	420845	6.41	PPBV	100
56) m,p-XYLENE	15.321	106	308706	14.15	PPBV	97
57) o-XYLENE	15.821	106	151923	6.53	PPBV	100
58) STYRENE	15.702	104	189498	6.73	PPBV	98
59) NONANE	16.022	43	239411	6.50	PPBV	98
60) BROMOFORM	15.418	173	207271	4.87	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.805	83	264530	5.21	PPBV	100
63) ISOPROPYLBENZENE	16.465	105	458796	5.90	PPBV	99
64) 2-CHLOROTOLUENE	17.016	91	346309	6.25	PPBV	97
65) 4-ETHYLTOLUENE	17.205	105	417166	6.66	PPBV	100
66) 1,3,5-TRIMETHYLBENZENE	17.289	105	402079	6.28	PPBV	97
67) 1,2,4-TRIMETHYLBENZENE	17.754	105	343060	6.16	PPBV	98
68) m-DICHLOROBENZENE	17.937	146	194687	6.31	PPBV	99
69) BENZYL CHLORIDE	17.914	91	212553	6.39	PPBV	99
70) p-DICHLOROBENZENE	18.009	146	178102	6.73	PPBV	98
71) o-DICHLOROBENZENE	18.396	146	176805	5.58	PPBV	98
72) HEXACHLOROBUTADIENE	20.792	225	111165	1.87	PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.304	180	44266	4.08	PPBV	93

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4266.D
Acq On : 13 Aug 2007 12:24 pm
Operator : danat
Sample : ic227-5 (M057)
Misc : MS14080, MSQ227,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 13 13:05:38 2007
Quant Method : C:\msdchem\1\METHODS\Q081307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 13 13:05:26 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4267.D
Acq On : 13 Aug 2007 1:07 pm
Operator : danat
Sample : ic227-2 (M057)
Misc : MS14080, MSQ227,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 13 13:33:28 2007
Quant Method : C:\msdchem\1\METHODS\Q081307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 13 13:07:06 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.632	128	166943	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.458	114	781603	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.701	117	647645	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.322	95	231142	4.80	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 96.00%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.035	85	172736	1.86	PPBV	99
3) PROPYLENE	3.964	41	25375	2.01	PPBV	91
4) FREON 114	4.294	85	153475	1.88	PPBV	93
5) CHLOROMETHANE	4.196	50	41142	2.16	PPBV	89
6) VINYL CHLORIDE	4.422	62	46635	2.13	PPBV	99
7) 1,3-BUTADIENE	4.558	39	41713	2.30	PPBV	92
8) BROMOMETHANE	4.834	94	47253	1.89	PPBV	100
9) CHLOROETHANE	5.013	64	20582	2.08	PPBV	83
10) TRICHLOROFLUOROMETHANE	5.788	101	177531	1.81	PPBV	98
11) ISOPROPYL ALCOHOL	5.835	45	80914	1.87	PPBV	99
12) ACETONE	5.606	43	85344	1.19	PPBV	97
13) PENTANE	6.142	42	52206	1.98	PPBV	91
14) 1,1-DICHLOROETHYLENE	6.424	96	44160	1.77	PPBV	93
15) CARBON DISULFIDE	6.855	76	145914	1.82	PPBV	98
16) ETHANOL	5.093	45	18011	1.84	PPBV #	55
17) BROMOETHENE	5.366	106	43541	1.93	PPBV	96
18) METHYLENE CHLORIDE	6.543	84	47641	1.06	PPBV	92
19) 3-CHLOROPROPENE	6.653	39	50003	1.64	PPBV	94
20) FREON 113	6.795	151	80052	1.60	PPBV	95
21) TRANS-1,2-DICHLOROETHY...	7.469	96	43550	1.77	PPBV	97
22) TERTIARY BUTYL ALCOHOL	6.443	59	104127	1.92	PPBV	91
23) METHYL TERTIARY BUTYL ...	7.714	73	106791	1.78	PPBV	97
24) TETRAHYDROFURAN	9.155	42	27096	1.89	PPBV	90
25) HEXANE	8.665	57	50428	1.68	PPBV	92
26) VINYL ACETATE	7.789	43	90553	1.75	PPBV	81
27) 1,1-DICHLOROETHANE	7.661	63	89225	1.63	PPBV	99
28) METHYL ETHYL KETONE	8.039	43	71922	1.88	PPBV	98
29) cis-1,2-DICHLOROETHYLENE	8.472	96	29118	1.59	PPBV	97
30) ETHYL ACETATE	8.667	43	109230	1.88	PPBV #	99
31) CHLOROFORM	8.750	83	103510	1.68	PPBV	100
32) 1,1,1-TRICHLOROETHANE	9.707	97	100891	1.59	PPBV	97
33) CARBON TETRACHLORIDE	10.289	117	120260	1.62	PPBV	98
34) 1,2-DICHLOROETHANE	9.459	62	65239	1.68	PPBV	99
36) BENZENE	10.147	78	85269	1.68	PPBV	99
37) CYCLOHEXANE	10.413	84	37628	1.77	PPBV	95
38) TRICHLOROETHYLENE	11.143	95	52066	1.66	PPBV	98
39) 1,2-DICHLOROPROPANE	10.921	63	31492	1.75	PPBV	92
40) BROMODICHLOROMETHANE	11.102	83	95586	1.56	PPBV	100
41) 2,2,4-TRIMETHYLPENTANE	11.168	57	157908	1.81	PPBV	98
42) 1,4-DIOXANE	11.141	88	16839	1.64	PPBV #	27
43) HEPTANE	11.406	43	48823	1.63	PPBV	97

ACCUTEST Laboratories M66976

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4267.D
Acq On : 13 Aug 2007 1:07 pm
Operator : danat
Sample : ic227-2 (M057)
Misc : MS14080, MSQ227,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 13 13:33:28 2007
Quant Method : C:\msdchem\1\METHODS\Q081307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 13 13:07:06 2007
Response via : Initial Calibration

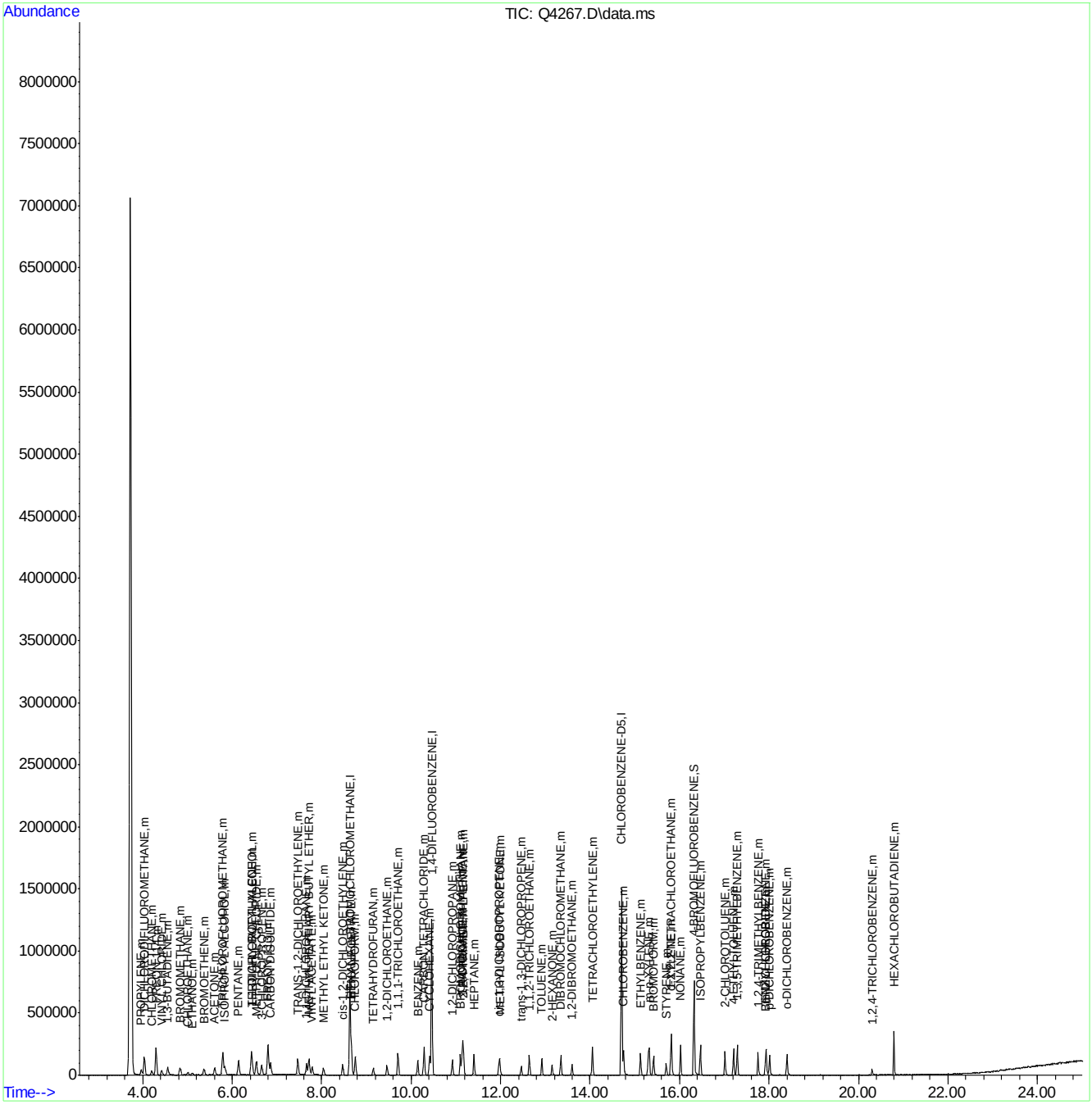
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.979	43	72504	1.80	PPBV	97
45) cis-1,3-DICHLOROPROPENE	11.957	75	38536	1.51	PPBV	98
46) TOLUENE	12.923	92	46279	1.49	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.458	75	34090	1.47	PPBV	98
48) 1,1,2-TRICHLOROETHANE	12.641	83	34693	1.73	PPBV	99
50) 2-HEXANONE	13.152	43	52776	1.60	PPBV	95
51) TETRACHLOROETHYLENE	14.054	164	40114	1.48	PPBV	98
52) DIBROMOCHLOROMETHANE	13.345	129	76439	1.56	PPBV	98
53) 1,2-DIBROMOETHANE	13.597	107	51149	1.68	PPBV	98
54) CHLOROBENZENE	14.747	112	79343	1.75	PPBV	99
55) ETHYLBENZENE	15.125	91	104460	1.52	PPBV	99
56) m,p-XYLENE	15.319	106	85364	3.67	PPBV	98
57) o-XYLENE	15.823	106	40923	1.68	PPBV	98
58) STYRENE	15.706	104	40555	1.37	PPBV	94
59) NONANE	16.022	43	67202	1.74	PPBV	98
60) BROMOFORM	15.418	173	61682	1.46	PPBV	98
62) 1,1,2,2-TETRACHLOROETHANE	15.807	83	88657	1.74	PPBV	98
63) ISOPROPYLBENZENE	16.465	105	133295	1.67	PPBV	99
64) 2-CHLOROTOLUENE	17.017	91	90268	1.57	PPBV	98
65) 4-ETHYLTOLUENE	17.207	105	104722	1.59	PPBV	100
66) 1,3,5-TRIMETHYLBENZENE	17.289	105	115905	1.74	PPBV	98
67) 1,2,4-TRIMETHYLBENZENE	17.759	105	87286	1.51	PPBV	99
68) m-DICHLOROBENZENE	17.937	146	63618	1.98	PPBV	99
69) BENZYL CHLORIDE	17.917	91	59838	1.72	PPBV	95
70) p-DICHLOROBENZENE	18.011	146	59753	2.14	PPBV	90
71) o-DICHLOROBENZENE	18.398	146	56853	1.76	PPBV	98
72) HEXACHLOROBUTADIENE	20.792	225	43428	0.82	PPBV	98
73) 1,2,4-TRICHLOROBENZENE	20.304	180	12838	1.23	PPBV	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4267.D
Acq On : 13 Aug 2007 1:07 pm
Operator : danat
Sample : ic227-2 (M057)
Misc : MS14080, MSQ227,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 13 13:33:28 2007
Quant Method : C:\msdchem\1\METHODS\Q081307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 13 13:07:06 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4269.D
Acq On : 13 Aug 2007 2:54 pm
Operator : danat
Sample : ic227-40 (M057)
Misc : MS14080, MSQ227,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 13 15:23:04 2007
Quant Method : C:\msdchem\1\METHODS\Q081307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 13 14:33:20 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.633	128	117338	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.460	114	576085	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.701	117	508200	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.323	95	224705	6.00	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 120.00%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.037	85	2477161	37.73	PPBV	100
3) PROPYLENE	3.964	41	357599	39.11	PPBV	96
4) FREON 114	4.296	85	2556286	43.89	PPBV	99
5) CHLOROMETHANE	4.200	50	555463	39.91	PPBV	98
6) VINYL CHLORIDE	4.422	62	683604	42.77	PPBV	100
7) 1,3-BUTADIENE	4.559	39	552488	41.16	PPBV	96
8) BROMOMETHANE	4.832	94	757709	42.39	PPBV	99
9) CHLOROETHANE	5.009	64	302931	41.92	PPBV	99
10) TRICHLOROFLUOROMETHANE	5.788	101	2708556	39.16	PPBV	100
11) ISOPROPYL ALCOHOL	5.820	45	1142689	37.34	PPBV	97
12) ACETONE	5.591	43	1110702	39.40	PPBV	98
13) PENTANE	6.142	42	697795	36.49	PPBV	98
14) 1,1-DICHLOROETHYLENE	6.426	96	779978	44.15	PPBV	95
15) CARBON DISULFIDE	6.855	76	2269428	39.93	PPBV	97
16) ETHANOL	5.091	45	223797	37.82	PPBV	100
17) BROMOETHENE	5.368	106	739307	45.71	PPBV	99
18) METHYLENE CHLORIDE	6.539	84	684998	41.82	PPBV	96
19) 3-CHLOROPROPENE	6.660	39	962363	44.86	PPBV	97
20) FREON 113	6.798	151	1424998	41.08	PPBV	98
21) TRANS-1,2-DICHLOROETHY...	7.466	96	619364	35.60	PPBV	94
22) TERTIARY BUTYL ALCOHOL	6.431	59	753593	19.66	PPBV	97
23) METHYL TERTIARY BUTYL ...	7.702	73	1701696	40.18	PPBV	98
24) TETRAHYDROFURAN	9.130	42	466930	45.22	PPBV	91
25) HEXANE	8.667	57	794590	37.61	PPBV	96
26) VINYL ACETATE	7.787	43	1317964	35.77	PPBV	93
27) 1,1-DICHLOROETHANE	7.664	63	1217575	31.84	PPBV	99
28) METHYL ETHYL KETONE	8.026	43	1023393	37.65	PPBV	97
29) cis-1,2-DICHLOROETHYLENE	8.468	96	634623	49.51	PPBV	94
30) ETHYL ACETATE	8.662	43	1603649	38.87	PPBV	99
31) CHLOROFORM	8.752	83	1732906	40.26	PPBV	98
32) 1,1,1-TRICHLOROETHANE	9.705	97	1894527	42.99	PPBV	99
33) CARBON TETRACHLORIDE	10.289	117	2058174	40.08	PPBV	100
34) 1,2-DICHLOROETHANE	9.460	62	1220673	44.81	PPBV	100
36) BENZENE	10.147	78	1714038	46.13	PPBV	98
37) CYCLOHEXANE	10.410	84	712752	45.71	PPBV	97
38) TRICHLOROETHYLENE	11.147	95	1051358	46.26	PPBV	95
39) 1,2-DICHLOROPROPANE	10.923	63	556290	42.10	PPBV	97
40) BROMODICHLOROMETHANE	11.106	83	1904083	43.10	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.168	57	2943839	45.72	PPBV	99
42) 1,4-DIOXANE	11.127	88	372688	50.56	PPBV #	85
43) HEPTANE	11.406	43	990865	45.32	PPBV	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4269.D
Acq On : 13 Aug 2007 2:54 pm
Operator : danat
Sample : ic227-40 (M057)
Misc : MS14080, MSQ227,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 13 15:23:04 2007
Quant Method : C:\msdchem\1\METHODS\Q081307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 13 14:33:20 2007
Response via : Initial Calibration

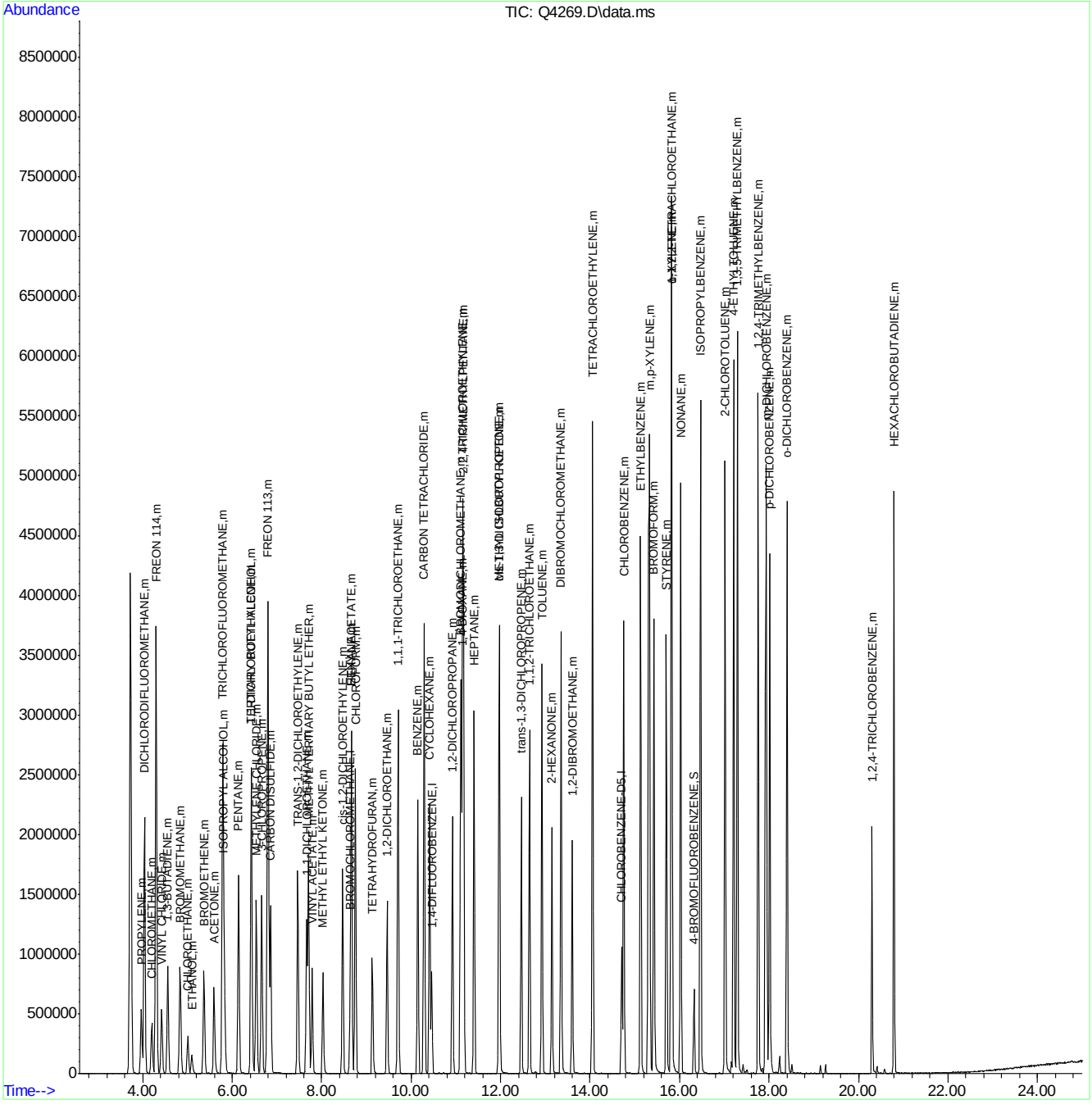
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.974	43	1420657	48.39 PPBV	96
45) cis-1,3-DICHLOROPROPENE	11.961	75	1039250	38.78 PPBV	90
46) TOLUENE	12.925	92	1260784	39.42 PPBV	100
47) trans-1,3-DICHLOROPROPENE	12.462	75	1026750	39.59 PPBV	96
48) 1,1,2-TRICHLOROETHANE	12.643	83	639329	43.64 PPBV	99
50) 2-HEXANONE	13.145	43	1221332	35.72 PPBV	94
51) TETRACHLOROETHYLENE	14.055	164	1047697	50.94 PPBV	95
52) DIBROMOCHLOROMETHANE	13.349	129	1791430	47.75 PPBV	100
53) 1,2-DIBROMOETHANE	13.601	107	1173526	49.74 PPBV	99
54) CHLOROBENZENE	14.749	112	1693461	48.01 PPBV	97
55) ETHYLBENZENE	15.129	91	3000424	40.37 PPBV	99
56) m,p-XYLENE	15.328	106	2244683	88.48 PPBV	98
57) o-XYLENE	15.827	106	1140462	50.65 PPBV	95
58) STYRENE	15.706	104	1583133	46.29 PPBV	97
59) NONANE	16.025	43	1514771	38.98 PPBV	97
60) BROMOFORM	15.424	173	1762388	54.97 PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.814	83	1749889	44.59 PPBV	99
63) ISOPROPYLBENZENE	16.469	105	3551695	57.92 PPBV	98
64) 2-CHLOROTOLUENE	17.017	91	2669117	55.13 PPBV	97
65) 4-ETHYLTOLUENE	17.209	105	3422451	32.99 PPBV	100
66) 1,3,5-TRIMETHYLBENZENE	17.293	105	3096075	32.22 PPBV	98
67) 1,2,4-TRIMETHYLBENZENE	17.758	105	2908923	32.89 PPBV	97
68) m-DICHLOROBENZENE	17.940	146	1661223	33.14 PPBV	98
69) BENZYL CHLORIDE	17.919	91	2005117	Below Cal	97
70) p-DICHLOROBENZENE	18.013	146	1536217	33.07 PPBV	99
71) o-DICHLOROBENZENE	18.400	146	1609689	64.88 PPBV	99
72) HEXACHLOROBUTADIENE	20.794	225	749903	25.66 PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.303	180	497659	65.24 PPBV	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4269.D
Acq On : 13 Aug 2007 2:54 pm
Operator : danat
Sample : ic227-40 (M057)
Misc : MS14080, MSQ227,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 13 15:23:04 2007
Quant Method : C:\msdchem\1\METHODS\Q081307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 13 14:33:20 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4273a.D
Acq On : 14 Aug 2007 8:57 am
Operator : danat
Sample : icv227-10 (M164)
Misc : MS14080, MSQ227,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 14 10:10:08 2007
Quant Method : C:\msdchem\1\METHODS\Q081307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 13 15:27:19 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.632	128	105241	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.456	114	499328	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.701	117	420236	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.320	95	168906	5.30	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 106.00%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.037	85	637844	10.80	PPBV	99
3) PROPYLENE	3.968	41	68497	8.51	PPBV	97
4) FREON 114	4.296	85	498288	9.37	PPBV	98
5) CHLOROMETHANE	4.200	50	114047	9.22	PPBV	96
6) VINYL CHLORIDE	4.426	62	143404	10.01	PPBV	100
7) 1,3-BUTADIENE	4.559	39	124360	10.50	PPBV	98
8) BROMOMETHANE	4.832	94	151851	9.37	PPBV	99
9) CHLOROETHANE	5.008	64	66776	10.45	PPBV	98
10) TRICHLOROFLUOROMETHANE	5.787	101	666287	10.59	PPBV	100
11) ISOPROPYL ALCOHOL	5.822	45	249176	9.09	PPBV	99
12) ACETONE	5.595	43	253507	11.73	PPBV	99
13) PENTANE	6.142	42	159046	9.44	PPBV	98
14) 1,1-DICHLOROETHYLENE	6.429	96	159439	9.91	PPBV	89
15) CARBON DISULFIDE	6.853	76	533867	10.40	PPBV	96
16) ETHANOL	5.102	45	34717	7.85	PPBV	94
17) BROMOETHENE	5.370	106	146608	9.95	PPBV #	98
18) METHYLENE CHLORIDE	6.543	84	151609	9.80	PPBV	90
19) 3-CHLOROPROPENE	6.656	39	224474	11.64	PPBV	99
20) FREON 113	6.798	151	296042	9.27	PPBV	97
21) TRANS-1,2-DICHLOROETHY...	7.466	96	173818	11.33	PPBV	96
22) TERTIARY BUTYL ALCOHOL	6.422	59	347857	10.83	PPBV	97
23) METHYL TERTIARY BUTYL ...	7.707	73	410101	10.81	PPBV	98
24) TETRAHYDROFURAN	9.138	42	98070	10.94	PPBV	98
25) HEXANE	8.664	57	178761	9.63	PPBV	95
26) VINYL ACETATE	7.782	43	325725	10.30	PPBV	98
27) 1,1-DICHLOROETHANE	7.661	63	393635	11.89	PPBV	100
28) METHYL ETHYL KETONE	8.025	43	245482	10.30	PPBV	98
29) cis-1,2-DICHLOROETHYLENE	8.468	96	135728	11.86	PPBV	96
30) ETHYL ACETATE	8.662	43	395710	10.91	PPBV #	95
31) CHLOROFORM	8.751	83	429769	11.14	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.702	97	461707	11.60	PPBV	99
33) CARBON TETRACHLORIDE	10.286	117	513207	11.02	PPBV	99
34) 1,2-DICHLOROETHANE	9.457	62	295713	12.15	PPBV	99
36) BENZENE	10.146	78	374113	11.85	PPBV	100
37) CYCLOHEXANE	10.412	84	151184	11.33	PPBV	93
38) TRICHLOROETHYLENE	11.143	95	226706	11.49	PPBV	99
39) 1,2-DICHLOROPROPANE	10.919	63	119991	10.79	PPBV	100
40) BROMODICHLOROMETHANE	11.102	83	404536	10.61	PPBV	97
41) 2,2,4-TRIMETHYLPENTANE	11.166	57	633465	11.59	PPBV #	95
42) 1,4-DIOXANE	11.132	88	63250	9.82	PPBV #	84
43) HEPTANE	11.402	43	212251	11.63	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4273a.D
Acq On : 14 Aug 2007 8:57 am
Operator : danat
Sample : icv227-10 (M164)
Misc : MS14080, MSQ227,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 14 10:10:08 2007
Quant Method : C:\msdchem\1\METHODS\Q081307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 13 15:27:19 2007
Response via : Initial Calibration

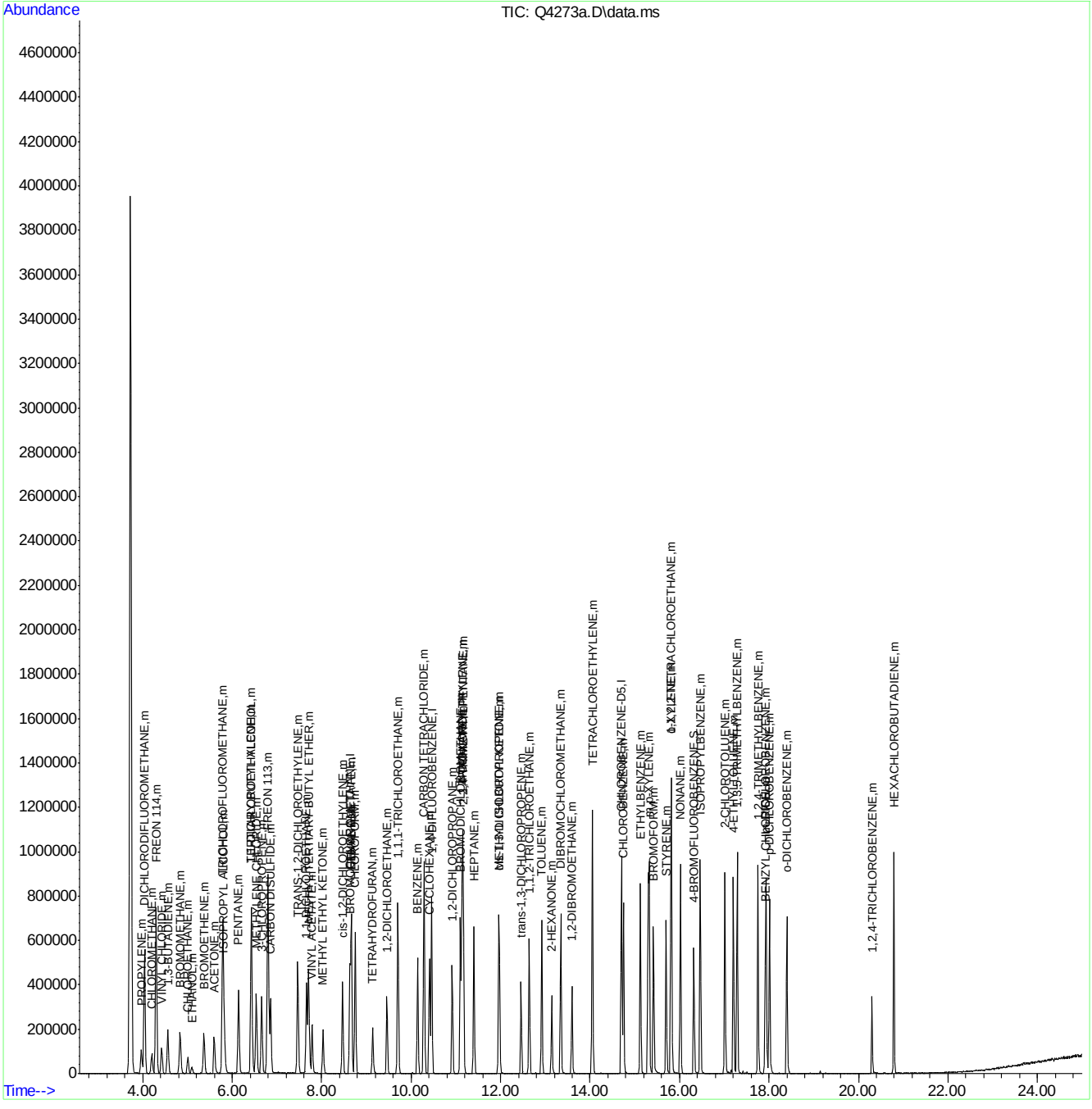
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.974	43	262072	10.43	PPBV	99
45) cis-1,3-DICHLOROPROPENE	11.958	75	214162	11.79	PPBV	94
46) TOLUENE	12.918	92	232413	10.59	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.458	75	171241	10.02	PPBV	98
48) 1,1,2-TRICHLOROETHANE	12.636	83	129459	10.29	PPBV	99
50) 2-HEXANONE	13.141	43	214963	8.82	PPBV	100
51) TETRACHLOROETHYLENE	14.052	164	197826	11.39	PPBV	98
52) DIBROMOCHLOROMETHANE	13.344	129	326447	10.39	PPBV	100
53) 1,2-DIBROMOETHANE	13.596	107	226732	11.57	PPBV	98
54) CHLOROBENZENE	14.748	112	324829	11.09	PPBV	99
55) ETHYLBENZENE	15.124	91	524686	10.13	PPBV	99
56) m,p-XYLENE	15.319	106	388832	20.09	PPBV	99
57) o-XYLENE	15.818	106	188323	9.50	PPBV	100
58) STYRENE	15.699	104	265165	10.01	PPBV	99
59) NONANE	16.022	43	290146	9.93	PPBV	99
60) BROMOFORM	15.415	173	276771	10.10	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.805	83	301121	9.09	PPBV	100
63) ISOPROPYLBENZENE	16.464	105	567655	10.65	PPBV	99
64) 2-CHLOROTOLUENE	17.012	91	442468	9.57	PPBV	98
65) 4-ETHYLTOLUENE	17.204	105	470092	8.35	PPBV	100
66) 1,3,5-TRIMETHYLBENZENE	17.286	105	491112	8.88	PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.751	105	443977	8.87	PPBV	98
68) m-DICHLOROBENZENE	17.935	146	262514	9.45	PPBV	99
69) BENZYL CHLORIDE	17.914	91	265950	8.52	PPBV	99
70) p-DICHLOROBENZENE	18.008	146	251847	9.67	PPBV	99
71) o-DICHLOROBENZENE	18.398	146	243253	9.29	PPBV	98
72) HEXACHLOROBUTADIENE	20.792	225	144690	9.28	PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.301	180	82734	9.28	PPBV	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4273a.D
Acq On : 14 Aug 2007 8:57 am
Operator : danat
Sample : icv227-10 (M164)
Misc : MS14080, MSQ227,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 14 10:10:08 2007
Quant Method : C:\msdchem\1\METHODS\Q081307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 13 15:27:19 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4295.D
Acq On : 15 Aug 2007 9:51 am
Operator : danat
Sample : cc227-10 (M164)
Misc : MS14080, MSQ228,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 15 11:46:27 2007
Quant Method : C:\msdchem\1\METHODS\Q081307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 13 15:27:19 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.630	128	113532	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.460	114	600004	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.701	117	509656	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.322	95	203611	5.26	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 105.20%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.040	85	557727	8.75	PPBV	99
3) PROPYLENE	3.964	41	97817	11.26	PPBV	96
4) FREON 114	4.299	85	520170	9.07	PPBV	96
5) CHLOROMETHANE	4.198	50	147376	11.04	PPBV	94
6) VINYL CHLORIDE	4.422	62	165720	10.72	PPBV	99
7) 1,3-BUTADIENE	4.558	39	131636	10.30	PPBV	99
8) BROMOMETHANE	4.837	94	170812	9.77	PPBV	98
9) CHLOROETHANE	5.007	64	69727	10.11	PPBV	97
10) TRICHLOROFLUOROMETHANE	5.787	101	496922	7.32	PPBV	100
11) ISOPROPYL ALCOHOL	5.826	45	228870	7.74	PPBV	99
12) ACETONE	5.598	43	239636	10.23	PPBV	96
13) PENTANE	6.143	42	179141	9.85	PPBV	89
14) 1,1-DICHLOROETHYLENE	6.426	96	162232	9.35	PPBV	93
15) CARBON DISULFIDE	6.857	76	538074	9.72	PPBV	94
16) ETHANOL	5.096	45	38925	8.18	PPBV	99
17) BROMOETHENE	5.368	106	151922	9.56	PPBV #	97
18) METHYLENE CHLORIDE	6.539	84	165718	9.93	PPBV	99
19) 3-CHLOROPROPENE	6.663	39	152078	7.31	PPBV	84
20) FREON 113	6.795	151	261039	7.58	PPBV	97
21) TRANS-1,2-DICHLOROETHY...	7.466	96	160175	9.68	PPBV	97
22) TERTIARY BUTYL ALCOHOL	6.426	59	272632	7.87	PPBV	95
23) METHYL TERTIARY BUTYL ...	7.707	73	310345	7.58	PPBV	97
24) TETRAHYDROFURAN	9.139	42	99435	10.29	PPBV	99
25) HEXANE	8.664	57	190362	9.51	PPBV	94
26) VINYL ACETATE	7.787	43	267501	7.84	PPBV	93
27) 1,1-DICHLOROETHANE	7.663	63	317640	8.89	PPBV	99
28) METHYL ETHYL KETONE	8.028	43	224773	8.74	PPBV	99
29) cis-1,2-DICHLOROETHYLENE	8.470	96	128662	10.42	PPBV	94
30) ETHYL ACETATE	8.660	43	388683	9.93	PPBV	100
31) CHLOROFORM	8.749	83	353090	8.49	PPBV	98
32) 1,1,1-TRICHLOROETHANE	9.705	97	336845	7.85	PPBV	99
33) CARBON TETRACHLORIDE	10.287	117	388161	7.73	PPBV	100
34) 1,2-DICHLOROETHANE	9.462	62	220218	8.38	PPBV	99
36) BENZENE	10.147	78	371260	9.79	PPBV	97
37) CYCLOHEXANE	10.412	84	165672	10.33	PPBV	98
38) TRICHLOROETHYLENE	11.145	95	214105	9.03	PPBV	95
39) 1,2-DICHLOROPROPANE	10.919	63	129486	9.69	PPBV	85
40) BROMODICHLOROMETHANE	11.104	83	327878	7.16	PPBV	97
41) 2,2,4-TRIMETHYLPENTANE	11.166	57	642383	9.79	PPBV #	93
42) 1,4-DIOXANE	11.132	88	64153	8.29	PPBV	92
43) HEPTANE	11.402	43	216996	9.89	PPBV	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4295.D
Acq On : 15 Aug 2007 9:51 am
Operator : danat
Sample : cc227-10 (M164)
Misc : MS14080, MSQ228,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 15 11:46:27 2007
Quant Method : C:\msdchem\1\METHODS\Q081307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 13 15:27:19 2007
Response via : Initial Calibration

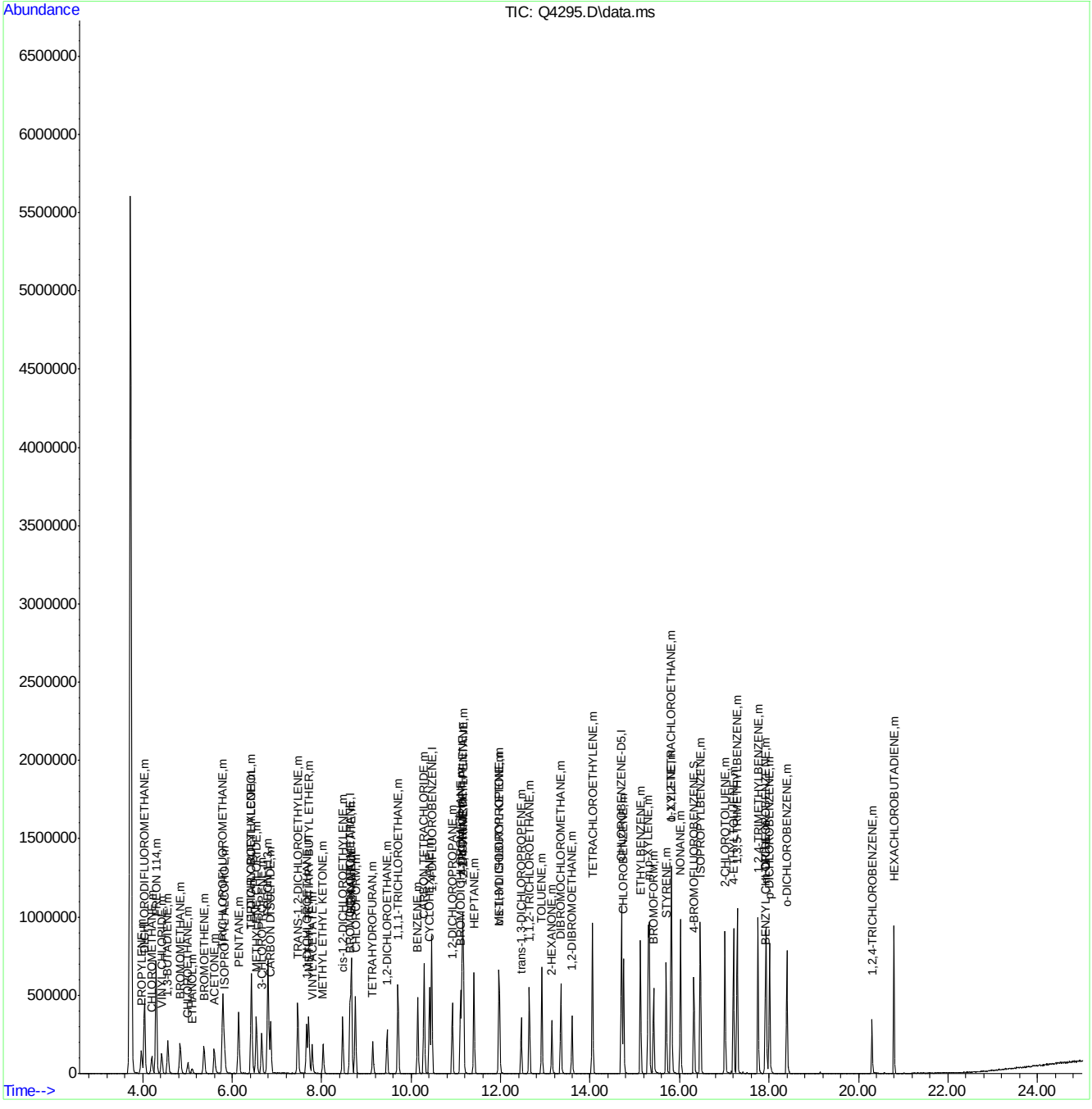
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.975	43	260294	8.62	PPBV	97
45) cis-1,3-DICHLOROPROPENE	11.959	75	201406	9.45	PPBV #	81
46) TOLUENE	12.919	92	241496	9.28	PPBV	96
47) trans-1,3-DICHLOROPROPENE	12.458	75	152243	7.65	PPBV	94
48) 1,1,2-TRICHLOROETHANE	12.641	83	134331	8.89	PPBV	99
50) 2-HEXANONE	13.141	43	207468	7.08	PPBV	95
51) TETRACHLOROETHYLENE	14.052	164	191059	9.07	PPBV	94
52) DIBROMOCHLOROMETHANE	13.345	129	274442	7.20	PPBV	100
53) 1,2-DIBROMOETHANE	13.596	107	223933	9.42	PPBV	99
54) CHLOROBENZENE	14.746	112	346588	9.76	PPBV	96
55) ETHYLBENZENE	15.125	91	539393	8.70	PPBV	98
56) m,p-XYLENE	15.301	106	416492	17.93	PPBV	92
57) o-XYLENE	15.819	106	206998	8.68	PPBV	93
58) STYRENE	15.702	104	288190	9.09	PPBV	94
59) NONANE	16.020	43	315034	8.94	PPBV	99
60) BROMOFORM	15.418	173	244924	7.37	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.807	83	343652	8.56	PPBV	98
63) ISOPROPYLBENZENE	16.464	105	609665	9.43	PPBV	97
64) 2-CHLOROTOLUENE	17.014	91	467417	8.45	PPBV	96
65) 4-ETHYLTOLUENE	17.204	105	522723	7.74	PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.287	105	531416	8.00	PPBV	97
67) 1,2,4-TRIMETHYLBENZENE	17.754	105	489533	8.15	PPBV	94
68) m-DICHLOROBENZENE	17.935	146	312074	9.28	PPBV	98
69) BENZYL CHLORIDE	17.912	91	278101	7.49	PPBV	98
70) p-DICHLOROBENZENE	18.011	146	300324	9.52	PPBV	98
71) o-DICHLOROBENZENE	18.398	146	272234	8.65	PPBV	99
72) HEXACHLOROBUTADIENE	20.792	225	142464	7.78	PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.301	180	85001	8.09	PPBV	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4295.D
Acq On : 15 Aug 2007 9:51 am
Operator : danat
Sample : cc227-10 (M164)
Misc : MS14080, MSQ228,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 15 11:46:27 2007
Quant Method : C:\msdchem\1\METHODS\Q081307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 13 15:27:19 2007
Response via : Initial Calibration



Standard Lot #	
Calib STD 1	MSA362
Calib STD 2	MSA363,MSA357
ICV	MSA361,MSA366
Inter/Surr STD	MSA218
BS/BSD	MSA366

File ID	
Tune File 1	J10755
Tune File 2	J10768A
Initial Cal.	6/25/07
ID FILE	J062507T.M
Instrument ID	J
ICAL:	J10768
Column Type:	RTX-1
Sequence Verified By:	DT 6/26/07

Date:	6/25/2007
Analyst:	DANAT
Batch ID:	msj557
Matrix:	AIR
Approved By:	PHILIPB
Date Approved:	6/27/2007 2:47:28 PM

Data File	Sample ID	Bot #	Work Group #	Test	ALS #	Sample Vol (mls)	Diln Factor	Flow controller ID	Comment
J10755	CC552-10	m045	MSA361	VTO15STD	1		1	NA	
J10756	CC552-10	m045	MSA361	VTO15STD	1		1	NA	
J10757	IC557-0.5	m141	MSA363	VTO15STD	2		1	NA	
J10758	IC557-0.2	m141	MSA363	VTO15STD	2		1	NA	
J10759	IC557-2	m141	MSA363	VTO15STD	2		1	NA	Re-run , vinyl acetate missing
J10760	IC557-40	m172	MSA362	VTO15STD	3		1	NA	
J10761	IC557-20	m172	MSA362	VTO15STD	3		1	NA	
J10762	ICC557-10	m172	MSA362	VTO15STD	3		1	NA	
J10763	IC557-5	m172	MSA362	VTO15STD	3		1	NA	
J10764	IC557-2	m141	MSA363	VTO15STD	2		1	NA	Re-run using different standard, vinyl acetate missing.
J10765	IC557-2	m140	MSA357	VTO15STD	2		1	NA	ok
J10766	ICV557-10	m045	MSA361	VTO15STD	1		1	NA	Fails, re-run using different standard. STD Ddegraded
J10767	ICV557-10	m080	MSA366	VTO15STD	1		1	NA	Fails high , re-run
J10768	ICV557-10	m080	MSA366	VTO15STD	1		1	NA	ok
J10768a	CC557-10	m080	MSA366	VTO15STD	1		1	NA	
J10768b	BS	m080	MSA366	VTO15STD	1		1	NA	
J10769	MB	m050	NA	VTO15STD	5		1	NA	
J10770	SCC	m078	NA	VTO15STD	7		1	NA	
J10771	SCC	m094	NA	VTO15STD	9		1	NA	
J10772	SCC	m040	NA	VTO15STD	11		1	NA	
J10773	M65503-1	m132	MS13762	VTO15STD	2		1200	MC119	Re-run @ 6,000x , over calibration.
J10774	M65503-2	m160	MS13762	VTO15STD	3		1200	MC102	Re-run @ 20x , too dilute.
J10775	M65503-1	m132	MS13762	VTO15STD	2		6000	MC119	
J10776	M65503-2	m092	MS13762	VTO15STD	3		20	MC102	
J10777	M65503-1DUP	m132	MS13762	VTO15STD	2		1200	MS119	
J10778	M65530-1	m162	MS13762	VTO15STD	1		1	NA	
J10779	FCB082	m199	NA	VTO15STD	4		1	MC082	
J10780	FCB083	m199	NA	VTO15STD	5		1	MC061	
J10781	FCB084	m201	NA	VTO15STD	6		1	MC001	
J10782	FCB085	m184	NA	VTO15STD	7		1	MC084	
J10783	FCB086	m205	NA	VTO15STD	8		1	MC032	
J10784	SCC	m072	NA	VTO15STD	9		1	NA	
J10785	SCC	m065	NA	VTO15STD	10		1	NA	

J10786	SCC	m019	NA	VTO15STD	11		1	NA	
J10787	M65793-1	m159	MS13828	VTO15STD	12		1	MC112	
J10788	M65794-1	m024	MS13828	VTO15STD	13		1	MC117	Re-run@ 20x , over calibration.
J10789	M65795-1	m165	MS13828	VTO15STD	14		1	MC106	Do not report, possible carry over
J10790	SCC	m188	NA	VTO15STD	4		1	NA	
J10791	M65794-1	m024	MS13828	VTO15STD	13		20	MC117	
J10792	M65795-1	m165	MS13828	VTO15STD	14		1	MC106	

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

File ID	
Tune File 1	J10841
Tune File 2	NA
Initial Cal.	6/25/07
ID FILE	J062507T.M
Instrument ID	J
ICAL:	
Column Type:	RTX-1
Sequence Verified By:	DT 7/5/07

Date:	7/3/2007
Analyst:	DANAT
Batch ID:	msj561
Matrix:	AIR
Approved By:	DOUGY
Date Approved:	7/10/2007 12:26:49 PM

Data File	Sample ID	Bot #	Work Group #	Test	ALS #	Sample Vol (mls)	Diln Factor	Flow controller ID	Comment
J10840	CC557-10	m080	MSA366		1		1		Fails high , re-run.
J10841	CC557-10	m080	MSA366		1		1		Fails high again, ok for cert blanks.
J10841a	BS	m080	MSA366		1		1		
J10842	BLANK	m132			2		1		
J10843	MB	m132			2		1		
J10844	SCC	m129			3		1		
J10845	SCC	m058			4		1		
J10846	M65942-2	m111	MS13857	VTO15STD	5		1		Report BTXM and ethanol only.
J10847	M65942-2DUP	m111			5		1		
J10848	SCC	m001			6		1		
J10849	SCC	m159			7		1		
J10850	SCC	m165			8		1		
J10851	SCC	m221			9		1		
J10852	SCC	m024			10		1		
J10853	SCC	m092			11		1		
J10854	SCC	m155			12		1		
J10855	SCC	m163			13		1		
J10856	SCC	m212			14		1		
J10857	SCC	m216			15		1		
J10858	SCC	m215			16		1		

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			

Standard Lot #	
Calib STD 1	MSA391
Calib STD 2	MSA392
ICV	MSA393 , MSA384
Inter/Surr STD	AS2265
BS/BSD	MSA384

File ID	
Tune File 1	Q4261
Tune File 2	Q4273
Initial Cal.	8/13/07
ID FILE	Q081307T.M
Instrument ID	Q
ICAL:	Q4273A
Column Type:	RTX-1
Sequence Verified By:	DT 8/15/07

Date:	8/13/2007
Analyst:	DANAT
Batch ID:	MSQ227
Matrix:	AIR
Approved By:	PHILIPB
Date Approved:	8/15/2007 5:27:08 PM

Data File	Sample ID	Bot #	Work Group #	Test	ALS #	Sample Vol (mls)	Diln Factor	Flow controller ID	Comment
Q4261	IC227-0.5	M072	MSA392		2		1		
Q4262	IC227-0.2	M072	MSA392	VTO15STD	2		1		
Q4263	IC227-40	M057	MSA391	VTO15STD	1		1		Re-run , int stds high.
Q4264	IC227-20	m057	MSA391	VTO15STD	1		1		
Q4265	ICC227-10	m057	MSA391	VTO15STD	1		1		
Q4266	IC227-5	m057	MSA391	VTO15STD	1		1		
Q4267	IC227-2	m057	MSA391	VTO15STD	1		1		
Q4268	IC227-40	m057	MSA391	VTO15STD	1		1		Re-run , int stds high.
Q4269	IC227-40	m057	MSA391	VTO15STD	1		1		
Q4270	ICV227-10	m099	MSA393	VTO15STD	3		1		Responses half , re-run using another std.
Q4271	ICV227-10	m164	MSA384	VTO15STD	3		1		Int stds high , re-tune and re-run.
Q4272	ICV227-10	m164	MSA384	VTO15STD	3		1		Int stds high , re-tune and re-run.
Q4273	CC227-10	m164	MSA384	VTO15STD	3		1		
Q4273a	ICV227-10	m164	MSA384	VTO15STD	3		1		
Q4273b	BS	m164	MSA384	VTO15STD	3		1		
Q4274	BLANK	m139		VTO15STD	4		1		
Q4275	MB	m139		VTO15STD	4		1		
Q4275a	SCC	m139		VTO15STD	4		1		
Q4276	SCC	m190		VTO15STD	5		1		
Q4277	M66668-1	m194	MS14080	VTO15STD	6		100		
Q4278	M66668-2	m182	MS14080	VTO15STD	7		100		
Q4279	M66668-3	m203	MS14080	VTO15STD	8		100		
Q4280	M66668-4	m192	MS14080	VTO15STD	9		1000		Re-run @ 10,000x , over calibration.
Q4281	M66668-4	m176	MS14080	VTO15STD	9		10000		
Q4282	M66761-1	m040	MS14080	VTO15STD	10		1		Re-run @ 20x , over calibration.
Q4283	M66761-1DUP	m040	MS14080	VTO15STD	10		1		
Q4284	M66761-1	m040	MS14080	VTO15STD	10		20		Re-run @ 100x , over calibration.
Q4285	M66761-2	m068	MS14080	VTO15STD	11		1		Re-run @ 20x , over calibration.
Q4286	M66761-2	m068	MS14080	VTO15STD	11		20		
Q4287	M66761-3	m149	MS14080	VTO15STD	12		1		Re-run @ 20x , over calibration.
Q4288	M66761-3	m149	MS14080	VTO15STD	12		20		Re-run @ 100x , over calibration.
Q4289	M66906-1	m022	MS14127	VTO15STD	5		1		
Q4290	M66906-2	m127	MS14127	VTO15STD	6		1		

Q4291	M66906-3	m111	MS14127	VTO15STD	7		2.25	Re-run @ 100x , over calibration.
Q4292	M66906-4	m108	MS14127	VTO15STD	8		1	Do not report, possible carry over
Q4293	BLANK	m139		VTO15STD	4		1	
Q4294	BLANK	m139		VTO15STD	4		1	

Standard Lot #	
Calib STD 1	MSA384
Calib STD 2	NA
ICV	NA
Inter/Surr STD	AS2265
BS/BSD	MSA384

File ID	
Tune File 1	Q4295
Tune File 2	NA
Initial Cal.	8/13/07
ID FILE	Q081307T.M
Instrument ID	Q
ICAL:	Q4273A
Column Type:	RTX-1
Sequence Verified By:	DT 8-16-07

Date:	8/15/2007
Analyst:	DANAT
Batch ID:	msq228
Matrix:	AIR
Approved By:	PHILIPB
Date Approved:	8/20/2007 12:11:35 PM

Data File	Sample ID	Bot #	Work Group #	Test	ALS #	Sample Vol (mls)	Diln Factor	Flow controller ID	Comment
Q4295	CC227-10	m164	MSA384	VTO15STD	3		1		
Q4295a	BS	m164	MSA384	VTO15STD	3		1		
Q4296	BLANK	m139	NA	VTO15STD	4		1		
Q4297	MB	m139	NA	VTO15STD	4		1		
Q4298	M66974-1	m049	MS14127	VTO15STD	5		1		
Q4299	M66975-1	m053	MS14127	VTO15STD	6		1		
Q4300	M66975-2	m076	MS14127	VTO15STD	7		1		
Q4301	M66975-2DUP	m076	MS14127	VTO15STD	8		1		
Q4302	M66976-1	m155	MS14127	VTO15STD	9		1		
Q4303	M66976-2	m147	MS14127	VTO15STD	10		1		
Q4304	FCB179	m185	MS14127	VTO15STD	11		1		
Q4305	M66906-4	m108	MS14127	VTO15STD	12		1		