New England ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

09/11/07

Technical Report for

GEI Consultants, Inc.

GEI Tufts Street Somerville MA

045162

Accutest Job Number: M67493

Sampling Date: 09/05/07

Report to:

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

ATTN: Raymond Siegener, Ph.D.

Total number of pages in report: **393**

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: M67493

GEI Tufts Street Somerville MA
Project No: 045162

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
M67493-1	09/05/07	15:02	TAD	09/06/07	AIR	Air	045162-2A HAD-1
M67493-2	09/05/07	15:03	TAD	09/06/07	AIR	Air	045162-2A HAD-G

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	GEI Consultants, Inc.	**Job No**	M67493
Site:	GEI Tufts Street Somerville MA	**Report Date**	9/11/2007 3:18:21 PM

2 Sample(s) were collected on 09/05/2007 and were received at Accutest on 09/06/2007. These Samples received an Accutest job number of M67493. 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:** MSJ590

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) M67493-2DUP were used as the QC samples indicated.

The Accutest Laboratories of New England certifies that all analysis were performed within method specification. It is further recommended that this report to be used in its entirety.The Accutest Laboratories of NE, Laboratory Director or assignee as verified by the signature on the cover page has authorized the release of this report(M67493).

Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Client Sample ID:	045162-2A HAD-1		
Lab Sample ID:	M67493-1	**Date Sampled:**	09/05/07
Matrix:	AIR - Air Summa ID: M221	**Date Received:**	09/06/07
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	J11228.D	1	09/07/07	PB	n/a	n/a	MSJ590
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units
75-00-3	64.52	Chloroethane	ND	0.20	ppbv		ND	0.53	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	ppbv		ND	1.3	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
127-18-4	165.8	Tetrachloroethylene	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	104%		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:	045162-2A HAD-G		
Lab Sample ID:	M67493-2	**Date Sampled:**	09/05/07
Matrix:	AIR - Air Summa ID: M132	**Date Received:**	09/06/07
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	J11229.D	1	09/07/07	PB	n/a	n/a	MSJ590
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	0.40	0.20	ppbv		2.2	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	114%		57-139%

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

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

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

CHAIN OF CUSTODY

ACCUTEST Laboratories

Air Sampling Field Data Sheet

Lab Quote #:

Lab Job #: M67493

Client / Reporting Information

Company Name: GEI

Address: 400 Unicorn Park Dr

City: Woburn State: MA Zip: 01801

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

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

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

Project Name: 50 Tufts St

Street: 50 Tufts St

City: Somerville State: MA

Project #: 045162

Client Purchase Order #:

Weather Parameters

Temperature (Fahrenheit) Start: 72.1 Stop: 71.2 Maximum: Minimum:

Atmospheric Pressure (inches of Hg) Start: 30.21 Stop: 30.20 Maximum: Minimum:

Other weather comment: Sunny, Calm

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	045162-2AHAD-1	I	M221	6	M048	9-5-07	1103	31	76.6	TAD	9-5-07	1502	7	76.1	TAD
-2	045162-2AHAD-6	I	M132	6	M035	9-5-07	1106	30	75.7	TAD	9-5-07	1503	7	75.3	TAD

Turnaround Time (Business days)

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

Approved By:

Date:

Data Deliverable Information

Comm A
Comm B
Full T1
Other:

Comments / Remarks

See attached list

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

Relinquished by Laboratory:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1 GEI lab	9-5-07 700	1 T. Daigle	2 T. Daigle	9-5-07 1540	2 GEI. lab
3 GEI lab (T. Daigle)	9-6-07 1000	3 [illegible]	4 [illegible]	9/6/07 1150	4 [illegible]
5		5	Custody Seal #		

SM003-01 (2/14/06)

M67493: 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: M67493
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA
Received: 09/06/07

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
M221	6	29.4	07/12/07	DFT	CP440	J10843A.D	M67493-1	09/07/07	PB	6		-3	1
M132	6	29.4	07/12/07	DFT	CP440	J10843A.D	M67493-2	09/07/07	PB	6		-3	1

FLOW CONTROLLERS

Shipping					Receiving		
Flow Crtl ID	Date Out	By	cc/ min	Time hrs.	Date In	By	cc/ min
MC035	08/21/07	DFT	20	4	09/07/07	PB	20.4
MC048	08/21/07	DFT	20	4	09/07/07	PB	20.7

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

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

Internal Sample Tracking Chronicle

GEI Consultants, Inc.

Job No: M67493

GEI Tufts Street Somerville MA
Project No: 045162

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
M67493-1	Collected: 05-SEP-07 15:02 By: TAD		Received: 06-SEP-07 By: RS			
045162-2A HAD-1						
M67493-1	TO-15	07-SEP-07 12:33	PB			VTO15STD
M67493-2	Collected: 05-SEP-07 15:03 By: TAD		Received: 06-SEP-07 By: RS			
045162-2A HAD-G						
M67493-2	TO-15	07-SEP-07 13:24	PB			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: M67493
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSJ590-MB	J11227.D	1	09/07/07	PB	n/a	n/a	MSJ590

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

M67493-1, M67493-2

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	99%	57-139%

Method Blank Summary

Job Number: M67493
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

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

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

MSJ561-SCC

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

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	94%	57-139%

Blank Spike Summary

Job Number: M67493
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSJ590-BS	J11226B.D	1	09/06/07	PB	n/a	n/a	MSJ590

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

M67493-1, M67493-2

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	Limits
75-00-3	Chloroethane	10	9.2	92	70-130
56-23-5	Carbon tetrachloride	10	9.9	99	70-130
75-34-3	1,1-Dichloroethane	10	9.6	96	70-130
75-35-4	1,1-Dichloroethylene	10	8.7	87	70-130
107-06-2	1,2-Dichloroethane	10	10.0	100	70-130
156-60-5	trans-1,2-Dichloroethylene	10	9.3	93	70-130
156-59-2	cis-1,2-Dichloroethylene	10	9.4	94	70-130
71-55-6	1,1,1-Trichloroethane	10	10	100	70-130
79-34-5	1,1,2,2-Tetrachloroethane	10	9.8	98	70-130
79-00-5	1,1,2-Trichloroethane	10	9.4	94	70-130
127-18-4	Tetrachloroethylene	10	8.4	84	70-130
79-01-6	Trichloroethylene	10	9.6	96	70-130
75-01-4	Vinyl chloride	10	9.3	93	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	118%	57-139%

Blank Spike Summary

Job Number: M67493
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

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

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

MSJ561-SCC

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

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

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

Duplicate Summary

Job Number: M67493
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
M67493-2DUP	J11230.D	1	09/07/07	PB	n/a	n/a	MSJ590
M67493-2	J11229.D	1	09/07/07	PB	n/a	n/a	MSJ590

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

M67493-1, M67493-2

CAS No.	Compound	M67493-2 ppbv	Q	DUP ppbv	Q	RPD	Limits
75-00-3	Chloroethane	ND		ND		nc	25
56-23-5	Carbon tetrachloride	ND		ND		nc	25
75-34-3	1,1-Dichloroethane	ND		ND		nc	25
75-35-4	1,1-Dichloroethylene	ND		ND		nc	25
107-06-2	1,2-Dichloroethane	ND		ND		nc	25
156-60-5	trans-1,2-Dichloroethylene	ND		ND		nc	25
156-59-2	cis-1,2-Dichloroethylene	ND		ND		nc	25
71-55-6	1,1,1-Trichloroethane	0.40		0.36		11	25
79-34-5	1,1,2,2-Tetrachloroethane	ND		ND		nc	25
79-00-5	1,1,2-Trichloroethane	ND		ND		nc	25
127-18-4	Tetrachloroethylene	ND		ND		nc	25
79-01-6	Trichloroethylene	ND		ND		nc	25
75-01-4	Vinyl chloride	ND		ND		nc	25

CAS No.	Surrogate Recoveries	DUP	M67493-2	Limits
460-00-4	4-Bromofluorobenzene	109%	114%	57-139%

Summa Cleaning Certification

Job Number: M67493
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	J10843A.D	1	07/03/07	DFT	n/a	n/a	MSJ561

The QC reported here (Summa M132) applies to the following samples: **Method:** TO-15

Batch CP440 cleaned 06/28/07: M67493-2(M132)

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%

Summa Cleaning Certification

Job Number: M67493
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	J10851.D	1	07/03/07	DFT	n/a	n/a	MSJ561

The QC reported here (Summa M221) applies to the following samples: **Method:** TO-15

Batch CP440 cleaned 06/28/07: M67493-1(M221)

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	86%	57-139%

Instrument Performance Check (BFB)

Job Number: M67493
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: M67493
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 M67493)
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: M67493
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSJ589-BFB
Lab File ID: J11217.D
Instrument ID: GCMSJ
Injection Date: 09/06/07
Injection Time: 14:30

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	1867	18.2		Pass
75	30.0 - 66.0% of mass 95	6622	64.5		Pass
95	Base peak, 100% relative abundance	10263	100.0		Pass
96	5.0 - 9.0% of mass 95	909	8.9		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 120.0% of mass 95	10479	102.1		Pass
175	4.0 - 9.0% of mass 174	655	6.4	(6.3) [a]	Pass
176	93.0 - 101.0% of mass 174	9907	96.5	(94.5) [a]	Pass
177	5.0 - 9.0% of mass 176	690	6.7	(7.0) [b]	Pass

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

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSJ589-IC589	J11217.D	09/06/07	14:30	00:00	Initial cal 4
MSJ589-IC589	J11218.D	09/06/07	15:18	00:48	Initial cal 40
MSJ589-ICC589	J11220.D	09/06/07	17:06	02:36	Initial cal 10
MSJ589-IC589	J11221.D	09/06/07	17:54	03:24	Initial cal 20
MSJ589-IC589	J11222.D	09/06/07	18:42	04:12	Initial cal 5
MSJ589-IC589	J11223.D	09/06/07	19:31	05:01	Initial cal 2
MSJ589-IC589	J11224.D	09/06/07	20:18	05:48	Initial cal .5
MSJ589-IC589	J11225.D	09/06/07	21:05	06:35	Initial cal .2

Instrument Performance Check (BFB)

Job Number: M67493
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSJ590-BFB
Lab File ID: J11226A.D
Instrument ID: GCMSJ
Injection Date: 09/06/07
Injection Time: 21:51

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	5722	14.6		Pass
75	30.0 - 66.0% of mass 95	25400	65.0		Pass
95	Base peak, 100% relative abundance	39088	100.0		Pass
96	5.0 - 9.0% of mass 95	1961	5.0		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 120.0% of mass 95	33220	85.0		Pass
175	4.0 - 9.0% of mass 174	1757	4.5	(5.3) [a]	Pass
176	93.0 - 101.0% of mass 174	33328	85.3	(100.3) [a]	Pass
177	5.0 - 9.0% of mass 176	2192	5.6	(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
MSJ590-CC589	J11226A.D	09/06/07	21:51	00:00	Continuing cal 10
MSJ590-BS	J11226B.D	09/06/07	21:51	00:00	Blank Spike
MSJ589-ICV589	J11226.D	09/06/07	21:51	00:00	Initial cal verification 10
MSJ590-MB	J11227.D	09/07/07	11:47	13:56	Method Blank
M67493-1	J11228.D	09/07/07	12:33	14:42	045162-2A HAD-1
M67493-2	J11229.D	09/07/07	13:24	15:33	045162-2A HAD-G
M67493-2DUP	J11230.D	09/07/07	14:23	16:32	Duplicate
ZZZZZZ	J11231.D	09/07/07	15:19	17:28	(unrelated sample)
ZZZZZZ	J11237.D	09/07/07	20:54	23:03	(unrelated sample)
ZZZZZZ	J11238.D	09/07/07	21:44	23:53	(unrelated sample)

Volatile Internal Standard Area Summary

Job Number: M67493
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: M67493
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Check Std:	MSJ590-CC589	**Injection Date:**	09/06/07
Lab File ID:	J11226A.D	**Injection Time:**	21:51
Instrument ID:	GCMSJ	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	171856	8.63	681136	10.45	522689	14.68
Upper Limit [a]	240598	8.96	953590	10.78	731765	15.01
Lower Limit [b]	103114	8.30	408682	10.12	313613	14.35

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
MSJ590-BS	171856	8.63	681136	10.45	522689	14.68
MSJ590-MB	194601	8.62	801346	10.44	591315	14.67
M67493-1	187773	8.60	748007	10.42	559612	14.66
M67493-2	163217	8.62	592116	10.43	457510	14.66
M67493-2DUP	200677	8.62	759247	10.43	569763	14.67
ZZZZZZ	208742	8.59	816960	10.41	602184	14.66
ZZZZZZ	164727	8.63	655668	10.44	500881	14.66
ZZZZZZ	183767	8.64	589651	10.45	428108	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.

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67493
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: M67493
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: M67493
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: M67493
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: M67493
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: M67493
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: M67493
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: M67493
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: M67493
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: M67493
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: M67493
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: M67493
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: M67493
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: M67493
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: M67493
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ589-IC589	J11217.D	09/06/07 14:30	PB	4	GCMSJ	TO-15	Reporting this level
MSJ589-IC589	J11218.D	09/06/07 15:18	PB	40	GCMSJ	TO-15	
MSJ589-ICC589	J11220.D	09/06/07 17:06	PB	10	GCMSJ	TO-15	
MSJ589-IC589	J11221.D	09/06/07 17:54	PB	20	GCMSJ	TO-15	
MSJ589-IC589	J11222.D	09/06/07 18:42	PB	5	GCMSJ	TO-15	
MSJ589-IC589	J11223.D	09/06/07 19:31	PB	2	GCMSJ	TO-15	
MSJ589-IC589	J11224.D	09/06/07 20:18	PB	.5	GCMSJ	TO-15	
MSJ589-IC589	J11225.D	09/06/07 21:05	PB	.2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Naphthalene	20.40	14.88	1.371	ok	1.371	1.311-1.431

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	239246	ok	218664	131198-306130
1,4-Difluorobenzene	10.45	ok	10.45	10.12-10.78	1071804	ok	938911	563347-1314475
Chlorobenzene-D5	14.88	ok	14.71	14.38-15.04	744584	ok	697933	418760-977106

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67493
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ589-IC589	J11217.D	09/06/07 14:30	PB	4	GCMSJ	TO-15	
MSJ589-IC589	J11218.D	09/06/07 15:18	PB	40	GCMSJ	TO-15	Reporting this level
MSJ589-ICC589	J11220.D	09/06/07 17:06	PB	10	GCMSJ	TO-15	
MSJ589-IC589	J11221.D	09/06/07 17:54	PB	20	GCMSJ	TO-15	
MSJ589-IC589	J11222.D	09/06/07 18:42	PB	5	GCMSJ	TO-15	
MSJ589-IC589	J11223.D	09/06/07 19:31	PB	2	GCMSJ	TO-15	
MSJ589-IC589	J11224.D	09/06/07 20:18	PB	.5	GCMSJ	TO-15	
MSJ589-IC589	J11225.D	09/06/07 21:05	PB	.2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.69	8.65	0.658	ok	0.660	0.600-0.720
1,3-Butadiene	4.58	8.65	0.529	ok	0.531	0.471-0.591
Benzene	10.16	10.49	0.969	ok	0.969	0.909-1.029
Bromodichloromethane	11.15	10.49	1.063	ok	1.062	1.002-1.122
Bromoform	15.47	14.72	1.051	ok	1.050	0.990-1.110
Bromomethane	4.85	8.65	0.561	ok	0.563	0.503-0.623
Bromoethene	5.38	8.65	0.622	ok	0.624	0.564-0.684
Benzyl Chloride	17.92	14.72	1.217	ok	1.219	1.159-1.279
Carbon disulfide	6.86	8.65	0.793	ok	0.793	0.733-0.853
Chlorobenzene	14.77	14.72	1.003	ok	1.003	0.943-1.063
Chloroethane	5.03	8.65	0.582	ok	0.582	0.522-0.642
Chloroform	8.80	8.65	1.017	ok	1.015	0.955-1.075
Chloromethane	4.23	8.65	0.489	ok	0.490	0.430-0.550
3-Chloropropene	6.68	8.65	0.772	ok	0.773	0.713-0.833
2-Chlorotoluene	17.02	14.72	1.156	ok	1.157	1.097-1.217
Carbon tetrachloride	10.28	8.65	1.188	ok	1.189	1.129-1.249
Cyclohexane	10.39	10.49	0.990	ok	0.992	0.932-1.052
1,1-Dichloroethane	7.68	8.65	0.888	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.43	8.65	0.743	ok	0.744	0.684-0.804
1,2-Dibromoethane	13.65	14.72	0.927	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.51	8.65	1.099	ok	1.097	1.037-1.157
1,2-Dichloropropane	10.96	10.49	1.045	ok	1.044	0.984-1.104
1,4-Dioxane	11.27	10.49	1.074	ok	1.076	1.016-1.136
Dichlorodifluoromethane	4.07	8.65	0.471	ok	0.471	0.411-0.531
Dibromochloromethane	13.40	14.72	0.910	ok	0.909	0.849-0.969
trans-1,2-Dichloroethylene	7.47	8.65	0.864	ok	0.865	0.805-0.925
cis-1,2-Dichloroethylene	8.49	8.65	0.982	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.99	10.49	1.143	ok	1.143	1.083-1.203
m-Dichlorobenzene	17.94	14.72	1.219	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.39	14.72	1.249	ok	1.251	1.191-1.311
p-Dichlorobenzene	18.01	14.72	1.224	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.50	10.49	1.192	ok	1.192	1.132-1.252
Ethanol	5.49	8.65	0.635	ok	0.620	0.560-0.680
Ethylbenzene	15.14	14.72	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.78	8.65	1.015	ok	1.010	0.950-1.070
4-Ethyltoluene	17.20	14.72	1.168	ok	1.170	1.110-1.230
Freon 113	6.80	8.65	0.786	ok	0.787	0.727-0.847
Freon 114	4.32	8.65	0.499	ok	0.501	0.441-0.561
Heptane	11.39	10.49	1.086	ok	1.087	1.027-1.147
Hexachlorobutadiene	20.76	14.72	1.410	ok	1.414	1.354-1.474

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67493
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ589-IC589	J11217.D	09/06/07 14:30	PB	4	GCMSJ	TO-15	
MSJ589-IC589	J11218.D	09/06/07 15:18	PB	40	GCMSJ	TO-15	Reporting this level
MSJ589-ICC589	J11220.D	09/06/07 17:06	PB	10	GCMSJ	TO-15	
MSJ589-IC589	J11221.D	09/06/07 17:54	PB	20	GCMSJ	TO-15	
MSJ589-IC589	J11222.D	09/06/07 18:42	PB	5	GCMSJ	TO-15	
MSJ589-IC589	J11223.D	09/06/07 19:31	PB	2	GCMSJ	TO-15	
MSJ589-IC589	J11224.D	09/06/07 20:18	PB	.5	GCMSJ	TO-15	
MSJ589-IC589	J11225.D	09/06/07 21:05	PB	.2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Hexane	8.65	8.65	1.000	ok	1.001	0.941-1.061
2-Hexanone	13.25	14.72	0.900	ok	0.901	0.841-0.961
Isopropylbenzene	16.47	14.72	1.119	ok	1.119	1.059-1.179
Isopropyl Alcohol	6.26	8.65	0.724	ok	0.707	0.647-0.767
Methylene chloride	6.56	8.65	0.758	ok	0.759	0.699-0.819
Methyl ethyl ketone	8.20	8.65	0.948	ok	0.943	0.883-1.003
Methyl Isobutyl Ketone	12.09	10.49	1.153	ok	1.153	1.093-1.213
Methyl Tert Butyl Ether	7.78	8.65	0.899	ok	0.900	0.840-0.960
Nonane	16.01	14.72	1.088	ok	1.088	1.028-1.148
Pentane	6.15	8.65	0.711	ok	0.711	0.651-0.771
Propylene	3.99	8.65	0.461	ok	0.463	0.403-0.523
Styrene	15.73	14.72	1.069	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.71	8.65	1.123	ok	1.123	1.063-1.183
1,1,2,2-Tetrachloroethane	15.86	14.72	1.077	ok	1.077	1.017-1.137
1,1,2-Trichloroethane	12.70	10.49	1.211	ok	1.209	1.149-1.269
1,2,4-Trichlorobenzene	20.27	14.72	1.377	ok	1.381	1.321-1.441
1,2,4-Trimethylbenzene	17.75	14.72	1.206	ok	1.207	1.147-1.267
1,3,5-Trimethylbenzene	17.29	14.72	1.175	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.15	10.49	1.063	ok	1.064	1.004-1.124
Tertiary Butyl Alcohol	6.86	8.65	0.793	ok	0.780	0.720-0.840
Tetrachloroethylene	14.04	14.72	0.954	ok	0.955	0.895-1.015
Tetrahydrofuran	9.24	8.65	1.068	ok	1.071	1.011-1.131
Toluene	12.93	10.49	1.233	ok	1.234	1.174-1.294
Trichloroethylene	11.16	10.49	1.064	ok	1.064	1.004-1.124
Trichlorofluoromethane	5.80	8.65	0.671	ok	0.672	0.612-0.732
Vinyl chloride	4.45	8.65	0.514	ok	0.515	0.455-0.575
Vinyl Acetate	7.85	8.65	0.908	ok	0.906	0.846-0.966
m,p-Xylene	15.33	14.72	1.041	ok	1.041	0.981-1.101
o-Xylene	15.84	14.72	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	8.65	ok	8.63	8.30-8.96	245150	ok	218664	131198-306130
1,4-Difluorobenzene	10.49	ok	10.45	10.12-10.78	1094603	ok	938911	563347-1314475
Chlorobenzene-D5	14.72	ok	14.71	14.38-15.04	964534	ok	697933	418760-977106

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67493
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ589-IC589	J11217.D	09/06/07 14:30	PB	4	GCMSJ	TO-15	
MSJ589-IC589	J11218.D	09/06/07 15:18	PB	40	GCMSJ	TO-15	
MSJ589-ICC589	J11220.D	09/06/07 17:06	PB	10	GCMSJ	TO-15	Reporting this level
MSJ589-IC589	J11221.D	09/06/07 17:54	PB	20	GCMSJ	TO-15	
MSJ589-IC589	J11222.D	09/06/07 18:42	PB	5	GCMSJ	TO-15	
MSJ589-IC589	J11223.D	09/06/07 19:31	PB	2	GCMSJ	TO-15	
MSJ589-IC589	J11224.D	09/06/07 20:18	PB	.5	GCMSJ	TO-15	
MSJ589-IC589	J11225.D	09/06/07 21:05	PB	.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	0.660	0.600-0.720
1,3-Butadiene	4.58	8.63	0.531	ok	0.531	0.471-0.591
Benzene	10.13	10.46	0.968	ok	0.969	0.909-1.029
Bromodichloromethane	11.11	10.46	1.062	ok	1.062	1.002-1.122
Bromoform	15.42	14.69	1.050	ok	1.050	0.990-1.110
Bromomethane	4.86	8.63	0.563	ok	0.563	0.503-0.623
Bromoethene	5.38	8.63	0.623	ok	0.624	0.564-0.684
Benzyl Chloride	17.90	14.69	1.219	ok	1.219	1.159-1.279
Carbon disulfide	6.85	8.63	0.794	ok	0.793	0.733-0.853
Chlorobenzene	14.73	14.69	1.003	ok	1.003	0.943-1.063
Chloroethane	5.03	8.63	0.583	ok	0.582	0.522-0.642
Chloroform	8.77	8.63	1.016	ok	1.015	0.955-1.075
Chloromethane	4.23	8.63	0.490	ok	0.490	0.430-0.550
3-Chloropropene	6.66	8.63	0.772	ok	0.773	0.713-0.833
2-Chlorotoluene	17.00	14.69	1.157	ok	1.157	1.097-1.217
Carbon tetrachloride	10.27	8.63	1.190	ok	1.189	1.129-1.249
Cyclohexane	10.37	10.46	0.991	ok	0.992	0.932-1.052
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	14.69	0.926	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.47	8.63	1.097	ok	1.097	1.037-1.157
1,2-Dichloropropane	10.92	10.46	1.044	ok	1.044	0.984-1.104
1,4-Dioxane	11.22	10.46	1.073	ok	1.076	1.016-1.136
Dichlorodifluoromethane	4.07	8.63	0.472	ok	0.471	0.411-0.531
Dibromochloromethane	13.35	14.69	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	10.46	1.142	ok	1.143	1.083-1.203
m-Dichlorobenzene	17.91	14.69	1.219	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.38	14.69	1.251	ok	1.251	1.191-1.311
p-Dichlorobenzene	17.99	14.69	1.225	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.46	10.46	1.191	ok	1.192	1.132-1.252
Ethanol	5.33	8.63	0.618	ok	0.620	0.560-0.680
Ethylbenzene	15.11	14.69	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.73	8.63	1.012	ok	1.010	0.950-1.070
4-Ethyltoluene	17.18	14.69	1.170	ok	1.170	1.110-1.230
Freon 113	6.79	8.63	0.787	ok	0.787	0.727-0.847
Freon 114	4.33	8.63	0.502	ok	0.501	0.441-0.561
Heptane	11.37	10.46	1.087	ok	1.087	1.027-1.147
Hexachlorobutadiene	20.76	14.69	1.413	ok	1.414	1.354-1.474

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67493
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ589-IC589	J11217.D	09/06/07 14:30	PB	4	GCMSJ	TO-15	
MSJ589-IC589	J11218.D	09/06/07 15:18	PB	40	GCMSJ	TO-15	
MSJ589-ICC589	J11220.D	09/06/07 17:06	PB	10	GCMSJ	TO-15	Reporting this level
MSJ589-IC589	J11221.D	09/06/07 17:54	PB	20	GCMSJ	TO-15	
MSJ589-IC589	J11222.D	09/06/07 18:42	PB	5	GCMSJ	TO-15	
MSJ589-IC589	J11223.D	09/06/07 19:31	PB	2	GCMSJ	TO-15	
MSJ589-IC589	J11224.D	09/06/07 20:18	PB	.5	GCMSJ	TO-15	
MSJ589-IC589	J11225.D	09/06/07 21:05	PB	.2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Hexane	8.64	8.63	1.001	ok	1.001	0.941-1.061
2-Hexanone	13.21	14.69	0.899	ok	0.901	0.841-0.961
Isopropylbenzene	16.44	14.69	1.119	ok	1.119	1.059-1.179
Isopropyl Alcohol	6.07	8.63	0.703	ok	0.707	0.647-0.767
Methylene chloride	6.55	8.63	0.759	ok	0.759	0.699-0.819
Methyl ethyl ketone	8.12	8.63	0.941	ok	0.943	0.883-1.003
Methyl Isobutyl Ketone	12.04	10.46	1.151	ok	1.153	1.093-1.213
Methyl Tert Butyl Ether	7.75	8.63	0.898	ok	0.900	0.840-0.960
Nonane	15.99	14.69	1.088	ok	1.088	1.028-1.148
Pentane	6.14	8.63	0.711	ok	0.711	0.651-0.771
Propylene	4.00	8.63	0.463	ok	0.463	0.403-0.523
Styrene	15.69	14.69	1.068	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	15.82	14.69	1.077	ok	1.077	1.017-1.137
1,1,2-Trichloroethane	12.65	10.46	1.209	ok	1.209	1.149-1.269
1,2,4-Trichlorobenzene	20.27	14.69	1.380	ok	1.381	1.321-1.441
1,2,4-Trimethylbenzene	17.73	14.69	1.207	ok	1.207	1.147-1.267
1,3,5-Trimethylbenzene	17.27	14.69	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.13	10.46	1.064	ok	1.064	1.004-1.124
Tertiary Butyl Alcohol	6.67	8.63	0.773	ok	0.780	0.720-0.840
Tetrachloroethylene	14.02	14.69	0.954	ok	0.955	0.895-1.015
Tetrahydrofuran	9.21	8.63	1.067	ok	1.071	1.011-1.131
Toluene	12.90	10.46	1.233	ok	1.234	1.174-1.294
Trichloroethylene	11.13	10.46	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	4.45	8.63	0.516	ok	0.515	0.455-0.575
Vinyl Acetate	7.82	8.63	0.906	ok	0.906	0.846-0.966
m,p-Xylene	15.30	14.69	1.042	ok	1.041	0.981-1.101
o-Xylene	15.80	14.69	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.63	ok	8.63	8.30-8.96	215342	ok	218664	131198-306130
1,4-Difluorobenzene	10.46	ok	10.45	10.12-10.78	981161	ok	938911	563347-1314475
Chlorobenzene-D5	14.69	ok	14.71	14.38-15.04	753838	ok	697933	418760-977106

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67493
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ589-IC589	J11217.D	09/06/07 14:30	PB	4	GCMSJ	TO-15	
MSJ589-IC589	J11218.D	09/06/07 15:18	PB	40	GCMSJ	TO-15	
MSJ589-ICC589	J11220.D	09/06/07 17:06	PB	10	GCMSJ	TO-15	
MSJ589-IC589	J11221.D	09/06/07 17:54	PB	20	GCMSJ	TO-15	Reporting this level
MSJ589-IC589	J11222.D	09/06/07 18:42	PB	5	GCMSJ	TO-15	
MSJ589-IC589	J11223.D	09/06/07 19:31	PB	2	GCMSJ	TO-15	
MSJ589-IC589	J11224.D	09/06/07 20:18	PB	.5	GCMSJ	TO-15	
MSJ589-IC589	J11225.D	09/06/07 21:05	PB	.2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.68	8.65	0.657	ok	0.660	0.600-0.720
1,3-Butadiene	4.59	8.65	0.531	ok	0.531	0.471-0.591
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	8.65	0.562	ok	0.563	0.503-0.623
Bromoethene	5.39	8.65	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	6.85	8.65	0.792	ok	0.793	0.733-0.853
Chlorobenzene	14.75	14.70	1.003	ok	1.003	0.943-1.063
Chloroethane	5.04	8.65	0.583	ok	0.582	0.522-0.642
Chloroform	8.78	8.65	1.015	ok	1.015	0.955-1.075
Chloromethane	4.24	8.65	0.490	ok	0.490	0.430-0.550
3-Chloropropene	6.67	8.65	0.771	ok	0.773	0.713-0.833
2-Chlorotoluene	17.00	14.70	1.156	ok	1.157	1.097-1.217
Carbon tetrachloride	10.27	8.65	1.187	ok	1.189	1.129-1.249
Cyclohexane	10.38	10.47	0.991	ok	0.992	0.932-1.052
1,1-Dichloroethane	7.67	8.65	0.887	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.43	8.65	0.743	ok	0.744	0.684-0.804
1,2-Dibromoethane	13.61	14.70	0.926	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.48	8.65	1.096	ok	1.097	1.037-1.157
1,2-Dichloropropane	10.93	10.47	1.044	ok	1.044	0.984-1.104
1,4-Dioxane	11.23	10.47	1.073	ok	1.076	1.016-1.136
Dichlorodifluoromethane	4.07	8.65	0.471	ok	0.471	0.411-0.531
Dibromochloromethane	13.37	14.70	0.910	ok	0.909	0.849-0.969
trans-1,2-Dichloroethylene	7.46	8.65	0.862	ok	0.865	0.805-0.925
cis-1,2-Dichloroethylene	8.47	8.65	0.979	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.97	10.47	1.143	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	1.251	1.191-1.311
p-Dichlorobenzene	18.00	14.70	1.224	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.48	10.47	1.192	ok	1.192	1.132-1.252
Ethanol	5.36	8.65	0.620	ok	0.620	0.560-0.680
Ethylbenzene	15.12	14.70	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.74	8.65	1.010	ok	1.010	0.950-1.070
4-Ethyltoluene	17.19	14.70	1.169	ok	1.170	1.110-1.230
Freon 113	6.80	8.65	0.786	ok	0.787	0.727-0.847
Freon 114	4.33	8.65	0.501	ok	0.501	0.441-0.561
Heptane	11.38	10.47	1.087	ok	1.087	1.027-1.147
Hexachlorobutadiene	20.76	14.70	1.412	ok	1.414	1.354-1.474

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67493
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ589-IC589	J11217.D	09/06/07 14:30	PB	4	GCMSJ	TO-15	
MSJ589-IC589	J11218.D	09/06/07 15:18	PB	40	GCMSJ	TO-15	
MSJ589-ICC589	J11220.D	09/06/07 17:06	PB	10	GCMSJ	TO-15	
MSJ589-IC589	J11221.D	09/06/07 17:54	PB	20	GCMSJ	TO-15	Reporting this level
MSJ589-IC589	J11222.D	09/06/07 18:42	PB	5	GCMSJ	TO-15	
MSJ589-IC589	J11223.D	09/06/07 19:31	PB	2	GCMSJ	TO-15	
MSJ589-IC589	J11224.D	09/06/07 20:18	PB	.5	GCMSJ	TO-15	
MSJ589-IC589	J11225.D	09/06/07 21:05	PB	.2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Hexane	8.64	8.65	0.999	ok	1.001	0.941-1.061
2-Hexanone	13.22	14.70	0.899	ok	0.901	0.841-0.961
Isopropylbenzene	16.45	14.70	1.119	ok	1.119	1.059-1.179
Isopropyl Alcohol	6.12	8.65	0.708	ok	0.707	0.647-0.767
Methylene chloride	6.56	8.65	0.758	ok	0.759	0.699-0.819
Methyl ethyl ketone	8.14	8.65	0.941	ok	0.943	0.883-1.003
Methyl Isobutyl Ketone	12.06	10.47	1.152	ok	1.153	1.093-1.213
Methyl Tert Butyl Ether	7.76	8.65	0.897	ok	0.900	0.840-0.960
Nonane	15.99	14.70	1.088	ok	1.088	1.028-1.148
Pentane	6.14	8.65	0.710	ok	0.711	0.651-0.771
Propylene	4.00	8.65	0.462	ok	0.463	0.403-0.523
Styrene	15.70	14.70	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.70	8.65	1.121	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	1.207	1.147-1.267
1,3,5-Trimethylbenzene	17.28	14.70	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.14	10.47	1.064	ok	1.064	1.004-1.124
Tertiary Butyl Alcohol	6.72	8.65	0.777	ok	0.780	0.720-0.840
Tetrachloroethylene	14.03	14.70	0.954	ok	0.955	0.895-1.015
Tetrahydrofuran	9.21	8.65	1.065	ok	1.071	1.011-1.131
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	8.65	0.671	ok	0.672	0.612-0.732
Vinyl chloride	4.45	8.65	0.514	ok	0.515	0.455-0.575
Vinyl Acetate	7.83	8.65	0.905	ok	0.906	0.846-0.966
m,p-Xylene	15.31	14.70	1.041	ok	1.041	0.981-1.101
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	8.65	ok	8.63	8.30-8.96	245475	ok	218664	131198-306130
1,4-Difluorobenzene	10.47	ok	10.45	10.12-10.78	1047986	ok	938911	563347-1314475
Chlorobenzene-D5	14.70	ok	14.71	14.38-15.04	853453	ok	697933	418760-977106

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67493
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ589-IC589	J11217.D	09/06/07 14:30	PB	4	GCMSJ	TO-15	
MSJ589-IC589	J11218.D	09/06/07 15:18	PB	40	GCMSJ	TO-15	
MSJ589-ICC589	J11220.D	09/06/07 17:06	PB	10	GCMSJ	TO-15	
MSJ589-IC589	J11221.D	09/06/07 17:54	PB	20	GCMSJ	TO-15	
MSJ589-IC589	J11222.D	09/06/07 18:42	PB	5	GCMSJ	TO-15	Reporting this level
MSJ589-IC589	J11223.D	09/06/07 19:31	PB	2	GCMSJ	TO-15	
MSJ589-IC589	J11224.D	09/06/07 20:18	PB	.5	GCMSJ	TO-15	
MSJ589-IC589	J11225.D	09/06/07 21:05	PB	.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	0.660	0.600-0.720
1,3-Butadiene	4.58	8.62	0.531	ok	0.531	0.471-0.591
Benzene	10.12	10.44	0.969	ok	0.969	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	4.86	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	17.88	14.67	1.219	ok	1.219	1.159-1.279
Carbon disulfide	6.84	8.62	0.794	ok	0.793	0.733-0.853
Chlorobenzene	14.71	14.67	1.003	ok	1.003	0.943-1.063
Chloroethane	5.02	8.62	0.582	ok	0.582	0.522-0.642
Chloroform	8.75	8.62	1.015	ok	1.015	0.955-1.075
Chloromethane	4.23	8.62	0.491	ok	0.490	0.430-0.550
3-Chloropropene	6.66	8.62	0.773	ok	0.773	0.713-0.833
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	0.992	0.932-1.052
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	0.744	0.684-0.804
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	1.097	1.037-1.157
1,2-Dichloropropane	10.90	10.44	1.044	ok	1.044	0.984-1.104
1,4-Dioxane	11.19	10.44	1.072	ok	1.076	1.016-1.136
Dichlorodifluoromethane	4.07	8.62	0.472	ok	0.471	0.411-0.531
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	18.36	14.67	1.252	ok	1.251	1.191-1.311
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	5.26	8.62	0.610	ok	0.620	0.560-0.680
Ethylbenzene	15.09	14.67	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	17.17	14.67	1.170	ok	1.170	1.110-1.230
Freon 113	6.79	8.62	0.788	ok	0.787	0.727-0.847
Freon 114	4.32	8.62	0.501	ok	0.501	0.441-0.561
Heptane	11.36	10.44	1.088	ok	1.087	1.027-1.147
Hexachlorobutadiene	20.76	14.67	1.415	ok	1.414	1.354-1.474

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67493
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ589-IC589	J11217.D	09/06/07 14:30	PB	4	GCMSJ	TO-15	
MSJ589-IC589	J11218.D	09/06/07 15:18	PB	40	GCMSJ	TO-15	
MSJ589-ICC589	J11220.D	09/06/07 17:06	PB	10	GCMSJ	TO-15	
MSJ589-IC589	J11221.D	09/06/07 17:54	PB	20	GCMSJ	TO-15	
MSJ589-IC589	J11222.D	09/06/07 18:42	PB	5	GCMSJ	TO-15	Reporting this level
MSJ589-IC589	J11223.D	09/06/07 19:31	PB	2	GCMSJ	TO-15	
MSJ589-IC589	J11224.D	09/06/07 20:18	PB	.5	GCMSJ	TO-15	
MSJ589-IC589	J11225.D	09/06/07 21:05	PB	.2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Hexane	8.63	8.62	1.001	ok	1.001	0.941-1.061
2-Hexanone	13.18	14.67	0.898	ok	0.901	0.841-0.961
Isopropylbenzene	16.42	14.67	1.119	ok	1.119	1.059-1.179
Isopropyl Alcohol	5.99	8.62	0.695	ok	0.707	0.647-0.767
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	0.943	0.883-1.003
Methyl Isobutyl Ketone	12.01	10.44	1.150	ok	1.153	1.093-1.213
Methyl Tert Butyl Ether	7.75	8.62	0.899	ok	0.900	0.840-0.960
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	0.463	0.403-0.523
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	1.207	1.147-1.267
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	1.064	1.004-1.124
Tertiary Butyl Alcohol	6.59	8.62	0.765	ok	0.780	0.720-0.840
Tetrachloroethylene	14.01	14.67	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	9.19	8.62	1.066	ok	1.071	1.011-1.131
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	0.515	0.455-0.575
Vinyl Acetate	7.81	8.62	0.906	ok	0.906	0.846-0.966
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	8.63	8.30-8.96	231340	ok	218664	131198-306130
1,4-Difluorobenzene	10.44	ok	10.45	10.12-10.78	983378	ok	938911	563347-1314475
Chlorobenzene-D5	14.67	ok	14.71	14.38-15.04	702882	ok	697933	418760-977106

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67493
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ589-IC589	J11217.D	09/06/07 14:30	PB	4	GCMSJ	TO-15	
MSJ589-IC589	J11218.D	09/06/07 15:18	PB	40	GCMSJ	TO-15	
MSJ589-ICC589	J11220.D	09/06/07 17:06	PB	10	GCMSJ	TO-15	
MSJ589-IC589	J11221.D	09/06/07 17:54	PB	20	GCMSJ	TO-15	
MSJ589-IC589	J11222.D	09/06/07 18:42	PB	5	GCMSJ	TO-15	
MSJ589-IC589	J11223.D	09/06/07 19:31	PB	2	GCMSJ	TO-15	Reporting this level
MSJ589-IC589	J11224.D	09/06/07 20:18	PB	.5	GCMSJ	TO-15	
MSJ589-IC589	J11225.D	09/06/07 21:05	PB	.2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.71	8.63	0.662	ok	0.660	0.600-0.720
1,3-Butadiene	4.59	8.63	0.532	ok	0.531	0.471-0.591
Benzene	10.12	10.44	0.969	ok	0.969	0.909-1.029
Bromodichloromethane	11.09	10.44	1.062	ok	1.062	1.002-1.122
Bromoform	15.40	14.67	1.050	ok	1.050	0.990-1.110
Bromomethane	4.86	8.63	0.563	ok	0.563	0.503-0.623
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	6.84	8.63	0.793	ok	0.793	0.733-0.853
Chlorobenzene	14.71	14.67	1.003	ok	1.003	0.943-1.063
Chloroethane	5.02	8.63	0.582	ok	0.582	0.522-0.642
Chloroform	8.74	8.63	1.013	ok	1.015	0.955-1.075
Chloromethane	4.24	8.63	0.491	ok	0.490	0.430-0.550
3-Chloropropene	6.67	8.63	0.773	ok	0.773	0.713-0.833
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	0.992	0.932-1.052
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	13.57	14.67	0.925	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.46	8.63	1.096	ok	1.097	1.037-1.157
1,2-Dichloropropane	10.90	10.44	1.044	ok	1.044	0.984-1.104
1,4-Dioxane	11.27	10.44	1.080	ok	1.076	1.016-1.136
Dichlorodifluoromethane	4.06	8.63	0.470	ok	0.471	0.411-0.531
Dibromochloromethane	13.32	14.67	0.908	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	1.251	1.191-1.311
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	5.32	8.63	0.616	ok	0.620	0.560-0.680
Ethylbenzene	15.09	14.67	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.73	8.63	1.012	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	8.63	0.787	ok	0.787	0.727-0.847
Freon 114	4.33	8.63	0.502	ok	0.501	0.441-0.561
Heptane	11.36	10.44	1.088	ok	1.087	1.027-1.147
Hexachlorobutadiene	20.76	14.67	1.415	ok	1.414	1.354-1.474

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67493
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ589-IC589	J11217.D	09/06/07 14:30	PB	4	GCMSJ	TO-15	
MSJ589-IC589	J11218.D	09/06/07 15:18	PB	40	GCMSJ	TO-15	
MSJ589-ICC589	J11220.D	09/06/07 17:06	PB	10	GCMSJ	TO-15	
MSJ589-IC589	J11221.D	09/06/07 17:54	PB	20	GCMSJ	TO-15	
MSJ589-IC589	J11222.D	09/06/07 18:42	PB	5	GCMSJ	TO-15	
MSJ589-IC589	J11223.D	09/06/07 19:31	PB	2	GCMSJ	TO-15	Reporting this level
MSJ589-IC589	J11224.D	09/06/07 20:18	PB	.5	GCMSJ	TO-15	
MSJ589-IC589	J11225.D	09/06/07 21:05	PB	.2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Hexane	8.63	8.63	1.000	ok	1.001	0.941-1.061
2-Hexanone	13.21	14.67	0.900	ok	0.901	0.841-0.961
Isopropylbenzene	16.42	14.67	1.119	ok	1.119	1.059-1.179
Isopropyl Alcohol	6.07	8.63	0.703	ok	0.707	0.647-0.767
Methylene chloride	6.55	8.63	0.759	ok	0.759	0.699-0.819
Methyl ethyl ketone	8.12	8.63	0.941	ok	0.943	0.883-1.003
Methyl Isobutyl Ketone	12.03	10.44	1.152	ok	1.153	1.093-1.213
Methyl Tert Butyl Ether	7.76	8.63	0.899	ok	0.900	0.840-0.960
Nonane	15.97	14.67	1.089	ok	1.088	1.028-1.148
Pentane	6.14	8.63	0.711	ok	0.711	0.651-0.771
Propylene	4.00	8.63	0.463	ok	0.463	0.403-0.523
Styrene	15.67	14.67	1.068	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	15.79	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	1.207	1.147-1.267
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	1.064	1.004-1.124
Tertiary Butyl Alcohol	6.68	8.63	0.774	ok	0.780	0.720-0.840
Tetrachloroethylene	14.01	14.67	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	9.23	8.63	1.070	ok	1.071	1.011-1.131
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	8.63	0.671	ok	0.672	0.612-0.732
Vinyl chloride	4.45	8.63	0.516	ok	0.515	0.455-0.575
Vinyl Acetate	7.82	8.63	0.906	ok	0.906	0.846-0.966
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	8.63	ok	8.63	8.30-8.96	200643	ok	218664	131198-306130
1,4-Difluorobenzene	10.44	ok	10.45	10.12-10.78	836544	ok	938911	563347-1314475
Chlorobenzene-D5	14.67	ok	14.71	14.38-15.04	552024	ok	697933	418760-977106

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67493
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ589-IC589	J11217.D	09/06/07 14:30	PB	4	GCMSJ	TO-15	
MSJ589-IC589	J11218.D	09/06/07 15:18	PB	40	GCMSJ	TO-15	
MSJ589-ICC589	J11220.D	09/06/07 17:06	PB	10	GCMSJ	TO-15	
MSJ589-IC589	J11221.D	09/06/07 17:54	PB	20	GCMSJ	TO-15	
MSJ589-IC589	J11222.D	09/06/07 18:42	PB	5	GCMSJ	TO-15	
MSJ589-IC589	J11223.D	09/06/07 19:31	PB	2	GCMSJ	TO-15	
MSJ589-IC589	J11224.D	09/06/07 20:18	PB	.5	GCMSJ	TO-15	Reporting this level
MSJ589-IC589	J11225.D	09/06/07 21:05	PB	.2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.71	8.62	0.662	ok	0.660	0.600-0.720
1,3-Butadiene	4.58	8.62	0.531	ok	0.531	0.471-0.591
Benzene	10.12	10.44	0.969	ok	0.969	0.909-1.029
Bromodichloromethane	11.08	10.44	1.061	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	0.563	0.503-0.623
Bromoethene	5.38	8.62	0.624	ok	0.624	0.564-0.684
Benzyl Chloride	17.90	14.66	1.221	ok	1.219	1.159-1.279
Carbon disulfide	6.84	8.62	0.794	ok	0.793	0.733-0.853
Chlorobenzene	14.71	14.66	1.003	ok	1.003	0.943-1.063
Chloroethane	5.02	8.62	0.582	ok	0.582	0.522-0.642
Chloroform	8.74	8.62	1.014	ok	1.015	0.955-1.075
Chloromethane	4.23	8.62	0.491	ok	0.490	0.430-0.550
3-Chloropropene	6.66	8.62	0.773	ok	0.773	0.713-0.833
2-Chlorotoluene	16.97	14.66	1.158	ok	1.157	1.097-1.217
Carbon tetrachloride	10.25	8.62	1.189	ok	1.189	1.129-1.249
Cyclohexane	10.37	10.44	0.993	ok	0.992	0.932-1.052
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	0.744	0.684-0.804
1,2-Dibromoethane	13.56	14.66	0.925	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.45	8.62	1.096	ok	1.097	1.037-1.157
1,2-Dichloropropane	10.90	10.44	1.044	ok	1.044	0.984-1.104
1,4-Dioxane	11.31	10.44	1.083	ok	1.076	1.016-1.136
Dichlorodifluoromethane	4.06	8.62	0.471	ok	0.471	0.411-0.531
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
cis-1,3-Dichloropropene	11.94	10.44	1.144	ok	1.143	1.083-1.203
m-Dichlorobenzene	17.90	14.66	1.221	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.36	14.66	1.252	ok	1.251	1.191-1.311
p-Dichlorobenzene	17.97	14.66	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	5.36	8.62	0.622	ok	0.620	0.560-0.680
Ethylbenzene	15.09	14.66	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.73	8.62	1.013	ok	1.010	0.950-1.070
4-Ethyltoluene	17.16	14.66	1.171	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	11.35	10.44	1.087	ok	1.087	1.027-1.147
Hexachlorobutadiene	20.76	14.66	1.416	ok	1.414	1.354-1.474

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67493
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ589-IC589	J11217.D	09/06/07 14:30	PB	4	GCMSJ	TO-15	
MSJ589-IC589	J11218.D	09/06/07 15:18	PB	40	GCMSJ	TO-15	
MSJ589-ICC589	J11220.D	09/06/07 17:06	PB	10	GCMSJ	TO-15	
MSJ589-IC589	J11221.D	09/06/07 17:54	PB	20	GCMSJ	TO-15	
MSJ589-IC589	J11222.D	09/06/07 18:42	PB	5	GCMSJ	TO-15	
MSJ589-IC589	J11223.D	09/06/07 19:31	PB	2	GCMSJ	TO-15	
MSJ589-IC589	J11224.D	09/06/07 20:18	PB	.5	GCMSJ	TO-15	Reporting this level
MSJ589-IC589	J11225.D	09/06/07 21:05	PB	.2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Hexane	8.64	8.62	1.002	ok	1.001	0.941-1.061
2-Hexanone	13.22	14.66	0.902	ok	0.901	0.841-0.961
Isopropylbenzene	16.42	14.66	1.120	ok	1.119	1.059-1.179
Isopropyl Alcohol	6.11	8.62	0.709	ok	0.707	0.647-0.767
Methylene chloride	6.54	8.62	0.759	ok	0.759	0.699-0.819
Methyl ethyl ketone	8.14	8.62	0.944	ok	0.943	0.883-1.003
Methyl Isobutyl Ketone	12.04	10.44	1.153	ok	1.153	1.093-1.213
Methyl Tert Butyl Ether	7.78	8.62	0.903	ok	0.900	0.840-0.960
Nonane	15.97	14.66	1.089	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	0.463	0.403-0.523
Styrene	15.66	14.66	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	14.66	1.077	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	14.66	1.383	ok	1.381	1.321-1.441
1,2,4-Trimethylbenzene	17.71	14.66	1.208	ok	1.207	1.147-1.267
1,3,5-Trimethylbenzene	17.25	14.66	1.177	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.12	10.44	1.065	ok	1.064	1.004-1.124
Tertiary Butyl Alcohol	6.74	8.62	0.782	ok	0.780	0.720-0.840
Tetrachloroethylene	14.01	14.66	0.956	ok	0.955	0.895-1.015
Tetrahydrofuran	9.27	8.62	1.075	ok	1.071	1.011-1.131
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	5.80	8.62	0.673	ok	0.672	0.612-0.732
Vinyl chloride	4.44	8.62	0.515	ok	0.515	0.455-0.575
Vinyl Acetate	7.81	8.62	0.906	ok	0.906	0.846-0.966
m,p-Xylene	15.26	14.66	1.041	ok	1.041	0.981-1.101
o-Xylene	15.77	14.66	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.62	ok	8.63	8.30-8.96	193801	ok	218664	131198-306130
1,4-Difluorobenzene	10.44	ok	10.45	10.12-10.78	794880	ok	938911	563347-1314475
Chlorobenzene-D5	14.66	ok	14.71	14.38-15.04	562144	ok	697933	418760-977106

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67493
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ589-IC589	J11217.D	09/06/07 14:30	PB	4	GCMSJ	TO-15	
MSJ589-IC589	J11218.D	09/06/07 15:18	PB	40	GCMSJ	TO-15	
MSJ589-ICC589	J11220.D	09/06/07 17:06	PB	10	GCMSJ	TO-15	
MSJ589-IC589	J11221.D	09/06/07 17:54	PB	20	GCMSJ	TO-15	
MSJ589-IC589	J11222.D	09/06/07 18:42	PB	5	GCMSJ	TO-15	
MSJ589-IC589	J11223.D	09/06/07 19:31	PB	2	GCMSJ	TO-15	
MSJ589-IC589	J11224.D	09/06/07 20:18	PB	.5	GCMSJ	TO-15	
MSJ589-IC589	J11225.D	09/06/07 21:05	PB	.2	GCMSJ	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.75	8.62	0.667	ok	0.660	0.600-0.720
1,3-Butadiene	4.58	8.62	0.531	ok	0.531	0.471-0.591
Benzene	10.13	10.44	0.970	ok	0.969	0.909-1.029
Bromodichloromethane	11.09	10.44	1.062	ok	1.062	1.002-1.122
Bromoform	15.38	14.67	1.048	ok	1.050	0.990-1.110
Bromomethane	4.87	8.62	0.565	ok	0.563	0.503-0.623
Bromoethene	5.40	8.62	0.626	ok	0.624	0.564-0.684
Benzyl Chloride	17.90	14.67	1.220	ok	1.219	1.159-1.279
Carbon disulfide	6.86	8.62	0.796	ok	0.793	0.733-0.853
Chlorobenzene	14.71	14.67	1.003	ok	1.003	0.943-1.063
Chloroethane	5.02	8.62	0.582	ok	0.582	0.522-0.642
Chloroform	8.75	8.62	1.015	ok	1.015	0.955-1.075
Chloromethane	4.23	8.62	0.491	ok	0.490	0.430-0.550
3-Chloropropene	6.68	8.62	0.775	ok	0.773	0.713-0.833
2-Chlorotoluene	16.97	14.67	1.157	ok	1.157	1.097-1.217
Carbon tetrachloride	10.25	8.62	1.189	ok	1.189	1.129-1.249
Cyclohexane	10.37	10.44	0.993	ok	0.992	0.932-1.052
1,1-Dichloroethane	7.66	8.62	0.889	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.42	8.62	0.745	ok	0.744	0.684-0.804
1,2-Dibromoethane	13.56	14.67	0.924	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.45	8.62	1.096	ok	1.097	1.037-1.157
1,2-Dichloropropane	10.90	10.44	1.044	ok	1.044	0.984-1.104
Dichlorodifluoromethane	4.07	8.62	0.472	ok	0.471	0.411-0.531
Dibromochloromethane	13.32	14.67	0.908	ok	0.909	0.849-0.969
trans-1,2-Dichloroethylene	7.47	8.62	0.867	ok	0.865	0.805-0.925
cis-1,2-Dichloroethylene	8.47	8.62	0.983	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.94	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	1.251	1.191-1.311
p-Dichlorobenzene	17.97	14.67	1.225	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.45	10.44	1.193	ok	1.192	1.132-1.252
Ethylbenzene	15.09	14.67	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.63	8.62	1.001	ok	1.010	0.950-1.070
4-Ethyltoluene	17.17	14.67	1.170	ok	1.170	1.110-1.230
Freon 113	6.80	8.62	0.789	ok	0.787	0.727-0.847
Freon 114	4.33	8.62	0.502	ok	0.501	0.441-0.561
Heptane	11.35	10.44	1.087	ok	1.087	1.027-1.147
Hexachlorobutadiene	20.76	14.67	1.415	ok	1.414	1.354-1.474
Hexane	8.64	8.62	1.002	ok	1.001	0.941-1.061
2-Hexanone	13.28	14.67	0.905	ok	0.901	0.841-0.961

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67493
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ589-IC589	J11217.D	09/06/07 14:30	PB	4	GCMSJ	TO-15	
MSJ589-IC589	J11218.D	09/06/07 15:18	PB	40	GCMSJ	TO-15	
MSJ589-ICC589	J11220.D	09/06/07 17:06	PB	10	GCMSJ	TO-15	
MSJ589-IC589	J11221.D	09/06/07 17:54	PB	20	GCMSJ	TO-15	
MSJ589-IC589	J11222.D	09/06/07 18:42	PB	5	GCMSJ	TO-15	
MSJ589-IC589	J11223.D	09/06/07 19:31	PB	2	GCMSJ	TO-15	
MSJ589-IC589	J11224.D	09/06/07 20:18	PB	.5	GCMSJ	TO-15	
MSJ589-IC589	J11225.D	09/06/07 21:05	PB	.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	1.119	1.059-1.179
Methylene chloride	6.55	8.62	0.760	ok	0.759	0.699-0.819
Methyl ethyl ketone	8.19	8.62	0.950	ok	0.943	0.883-1.003
Methyl Isobutyl Ketone	12.08	10.44	1.157	ok	1.153	1.093-1.213
Methyl Tert Butyl Ether	7.81	8.62	0.906	ok	0.900	0.840-0.960
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	0.463	0.403-0.523
Styrene	15.66	14.67	1.067	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.68	8.62	1.123	ok	1.123	1.063-1.183
1,1,2,2-Tetrachloroethane	15.80	14.67	1.077	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	20.28	14.67	1.382	ok	1.381	1.321-1.441
1,2,4-Trimethylbenzene	17.72	14.67	1.208	ok	1.207	1.147-1.267
1,3,5-Trimethylbenzene	17.26	14.67	1.177	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.11	10.44	1.064	ok	1.064	1.004-1.124
Tertiary Butyl Alcohol	6.85	8.62	0.795	ok	0.780	0.720-0.840
Tetrachloroethylene	14.01	14.67	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	9.34	8.62	1.084	ok	1.071	1.011-1.131
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	8.62	0.673	ok	0.672	0.612-0.732
Vinyl chloride	4.45	8.62	0.516	ok	0.515	0.455-0.575
Vinyl Acetate	7.82	8.62	0.907	ok	0.906	0.846-0.966
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	8.63	8.30-8.96	178316	ok	218664	131198-306130
1,4-Difluorobenzene	10.44	ok	10.45	10.12-10.78	700935	ok	938911	563347-1314475
Chlorobenzene-D5	14.67	ok	14.71	14.38-15.04	450007	ok	697933	418760-977106

Volatile Surrogate Recovery Summary

Job Number: M67493
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
M67493-1	J11228.D	104.0
M67493-2	J11229.D	114.0
M67493-2DUP	J11230.D	109.0
MSJ561-SCC	J10851.D	86.0
MSJ561-SCC	J10843A.D	94.0
MSJ590-BS	J11226B.D	118.0
MSJ590-MB	J11227.D	99.0
MSJ561-BS	J10841A.D	109.0
MSJ561-MB	J10843.D	94.0

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

Initial Calibration Summary

Job Number: M67493
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: M67493
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
```

Initial Calibration Summary

Job Number: M67493 **Sample:** MSJ557-ICC557
Account: GEI GEI Consultants, Inc. **Lab FileID:** J10762.D
Project: GEI Tufts Street Somerville MA

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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: M67493
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: M67493
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: M67493
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: M67493
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: M67493
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: M67493
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
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Initial Calibration Summary

Job Number: M67493
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSJ589-ICC589
Lab FileID: J11220.D

Response Factor Report MSJ

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:10:25 2007
Response via : Initial Calibration

Calibration Files
40 =J11218.D 20 =J11221.D 10 =J11220.D 5 =J11222.D
2 =J11223.D .5 =J11224.D .2 =J11225.D 4 =J11217.D

Compound	40	20	10	5	2	.5	.2	4	Avg	%RSD
1) I BROMOCHLOROMETHANE	----------ISTD----------									
2) DICHLORODIFL	4.311	4.088	5.107	4.593	4.380	4.603	4.858		4.563	7.53
3) PROPYLENE	0.633	0.563	0.753	0.617	0.595	0.707	0.702		0.653	10.56
4) FREON 114	3.701	3.197	4.144	3.507	3.640	3.416	3.777		3.626	8.27
5) CHLOROMETHAN	0.798	0.697	0.952	0.760	0.729	0.712	0.692		0.763	11.98
6) VINYL CHLORI	1.029	0.884	1.208	0.993	0.962	0.889	0.927		0.985	11.36
7) 1,3-BUTADIEN	0.759	0.677	0.839	0.705	0.746	0.683	0.720		0.733	7.61
8) BROMOMETHANE	1.203	1.032	1.376	1.115	1.085	0.952	0.932		1.099	13.98
9) CHLOROETHANE	0.492	0.428	0.505	0.422	0.351	0.334	0.309		0.406	18.93
10) TRICHLOROFLU	4.603	4.226	5.157	4.458	4.993	4.563	4.835		4.691	6.88
11) ISOPROPYL AL	1.356	1.128	1.307	1.008	0.957	1.089			1.141	14.04
12) ACETONE	1.224	1.021	1.306	0.986	0.801	1.747			1.181	27.96
13) PENTANE	0.835	0.729	0.956	0.747	0.826	0.752	0.635		0.783	12.93
14) 1,1-DICHLORO	1.143	0.974	1.235	1.009	1.016	0.920	0.989		1.041	10.50
15) CARBON DISUL	3.077	2.672	3.497	2.834	2.768	2.754	2.787		2.913	9.85
16) ETHANOL	0.270	0.213	0.290	0.206	0.161	0.153			0.215	25.76
17) BROMOETHENE	1.221	1.016	1.325	1.085	1.078	0.942	0.891		1.080	14.07
18) METHYLENE CH	0.997	0.860	1.002	0.810	0.803	1.872	2.257		1.229	47.79
----- Linear regression ----- Coefficient = 0.9944										
Response Ratio = -0.02743 + 0.97885 *A										
19) 3-CHLOROPROP	1.054	1.045	1.131	0.864	0.849	0.791	0.829		0.937	14.34
20) FREON 113	2.305	1.905	2.316	1.852	1.867	1.840	2.095		2.026	10.49
21) TRANS-1,2-DI	1.144	0.959	1.139	0.893	0.837	0.796	0.778		0.935	16.42
22) TERTIARY BUT	2.174	1.829	1.852	1.376	1.436	1.495	1.131		1.613	21.95
23) METHYL TERTI	2.835	2.285	2.866	2.159	1.876	2.148	1.896		2.295	17.71
24) TETRAHYDROFU	0.697	0.538	0.703	0.487	0.377	0.503	0.312		0.517	28.50
25) HEXANE	1.231	1.006	1.248	0.981	0.972	1.393	1.634		1.209	20.43
26) VINYL ACETAT	1.882	1.441	1.735	1.237	0.982	1.202	1.864		1.478	24.09
27) 1,1-DICHLORO	1.992	1.665	1.936	1.500	1.397	1.573	1.439		1.643	14.39
28) METHYL ETHYL	1.373	1.125	1.440	1.020	0.849	1.032	1.055		1.128	18.51
29) cis-1,2-DICH	1.151	0.922	1.078	0.820	0.752	0.755	0.626		0.872	21.66
30) ETHYL ACETAT	1.380	1.131	1.386	1.023	0.872	1.064	1.362		1.174	17.40
31) CHLOROFORM	2.835	2.412	2.813	2.236	2.114	2.389	2.346		2.449	11.25
32) 1,1,1-TRICHL	3.530	2.990	3.300	2.653	2.489	2.804	2.717		2.926	12.73
33) CARBON TETRA	4.010	3.374	3.911	3.204	2.959	3.063	2.914		3.348	13.35
34) 1,2-DICHLORO	1.723	1.412	1.747	1.338	1.304	1.433	1.349		1.472	12.57
35) I 1,4-DIFLUOROBENZENE	----------ISTD----------									
36) BENZENE	0.619	0.491	0.566	0.428	0.420	0.440	0.452		0.488	15.63
37) CYCLOHEXANE	0.297	0.250	0.292	0.234	0.232	0.268	0.244		0.260	10.33
38) TRICHLOROETH	0.326	0.256	0.310	0.232	0.241	0.242	0.237		0.263	14.52
39) 1,2-DICHLORO	0.201	0.159	0.179	0.136	0.123	0.145	0.096		0.148	23.63
40) BROMODICHLOR	0.659	0.534	0.619	0.494	0.466	0.495	0.502		0.538	13.48
41) 2,2,4-TRIMET	1.017	0.833	0.860	0.666	0.591	0.678	0.654		0.757	19.95
42) 1,4-DIOXANE	0.120	0.097	0.115	0.079	0.067	0.071			0.092	24.79

Initial Calibration Summary

Job Number: M67493 **Sample:** MSJ589-ICC589
Account: GEI GEI Consultants, Inc. **Lab FileID:** J11220.D
Project: GEI Tufts Street Somerville MA

```
43) HEPTANE      0.318 0.257 0.290 0.227 0.211 0.249 0.220       0.253  15.47
44) METHYL ISOBU 0.388 0.322 0.345 0.255 0.223 0.280 0.217       0.290  22.18
45) cis-1,3-DICH 0.338 0.265 0.322 0.239 0.211 0.217 0.183       0.254  22.94
46) TOLUENE      0.468 0.359 0.403 0.297 0.273 0.421 0.523       0.392  22.89
47) trans-1,3-DI       0.283 0.322 0.229 0.196 0.169 0.150       0.225  29.82
48) 1,1,2-TRICHL 0.219 0.172 0.195 0.147 0.125 0.144 0.112       0.159  24.01

49) I   CHLOROBENZENE-D5      ----------------ISTD--------------------
50) 2-HEXANONE   0.390 0.345 0.395 0.334 0.309 0.368 0.399       0.363   9.51
51) TETRACHLOROE 0.442 0.341 0.409 0.321 0.328 0.332 0.344       0.359  13.00
52) DIBROMOCHLOR 0.719 0.613 0.742 0.582 0.541 0.514 0.550       0.609  14.62
53) 1,2-DIBROMOE 0.473 0.395 0.482 0.368 0.351 0.316 0.323       0.387  17.43
54) CHLOROBENZEN 0.713 0.577 0.694 0.532 0.501 0.479 0.491       0.570  17.06
55) ETHYLBENZENE 1.260 1.029 1.188 0.921 0.811 0.869 0.935       1.002  16.66
56) m,p-XYLENE   0.492 0.400 0.457 0.342 0.293 0.296 0.285       0.366  22.97
57) o-XYLENE     0.496 0.416 0.470 0.346 0.307 0.296 0.330       0.380  21.15
58) STYRENE            0.571 0.611 0.420 0.368 0.303             0.454  29.06
59) NONANE       0.493 0.430 0.463 0.341 0.303 0.340 0.350       0.389  18.65
60) BROMOFORM          0.589 0.639 0.466 0.385 0.323             0.480  27.74
61) 4-BROMOFLUOR 0.537 0.575 0.505 0.497 0.459 0.471 0.459 0.562 0.508   8.97
62) 1,1,2,2-TETR 0.669 0.572 0.602 0.450 0.400 0.385 0.354       0.490  25.06
63) ISOPROPYLBEN 1.519 1.312 1.435 1.040 0.916 0.943 0.918       1.155  22.54
64) 2-CHLOROTOLU 1.111 0.973 1.034 0.749 0.699 0.672 0.633       0.839  23.22
65) 4-ETHYLTOLUE 1.482 1.267 1.275 0.908 0.833 0.767 0.714       1.035  29.08
66) 1,3,5-TRIMET 1.273 1.099 1.134 0.827 0.742 0.721 0.739       0.934  24.50
67) 1,2,4-TRIMET 1.212 1.034 1.054 0.789 0.706 0.573 0.603       0.853  29.04
68) m-DICHLOROBE       0.606 0.636 0.476 0.394 0.283 0.301       0.449  33.45
            ----- Linear regression -----  Coefficient =  0.9959
              Response Ratio = -0.02739 + 0.62323 *A

69) BENZYL CHLOR 0.791 0.651 0.663 0.522 0.371 0.277 0.228       0.501  42.77
            ----- Linear regression -----  Coefficient =  0.9927
              Response Ratio = -0.09158 + 0.78853 *A

70) p-DICHLOROBE       0.554 0.591 0.461 0.403 0.313             0.464  24.25
71) o-DICHLOROBE       0.581 0.613 0.469 0.388 0.336 0.299       0.447  28.87
72) HEXACHLOROBU 0.438 0.338 0.403 0.289 0.259 0.266 0.298       0.327  21.17
73) 1,2,4-TRICHL 0.224 0.183 0.228 0.156 0.127 0.122 0.048       0.155  40.82
            ----- Linear regression -----  Coefficient =  0.9914
              Response Ratio = -0.01769 + 0.22171 *A

74) NAPHTHALENE                                            0.914 0.914   0.00
-------------------------------------------------------------------------------
(#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          J090607T.M        Fri Sep 07 11:11:27 2007
```

Continuing Calibration Summary

Job Number: M67493
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSJ590-CC589
Lab FileID: J11226A.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\J11226A.D Vial: 4
Acq On : 6 Sep 2007 9:51 pm Operator: PhilipB
Sample : CC589-10 (M020) Inst : MSJ
Misc : MS14255, MSJ590,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:10:25 2007
Response via : Multiple Level Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	80	0.02	8.63
2	m	DICHLORODIFLUOROMETHANE	4.563	4.765	-4.4	74	0.00	4.07
3	m	PROPYLENE	0.653	0.562	13.9	60	-0.01	3.99
4	m	FREON 114	3.626	3.499	3.5	67	0.00	4.33
5	m	CHLOROMETHANE	0.763	0.720	5.6	60	0.00	4.23
6	m	VINYL CHLORIDE	0.985	0.914	7.2	60	0.00	4.45
7	m	1,3-BUTADIENE	0.733	0.692	5.6	66	0.00	4.59
8	m	BROMOMETHANE	1.099	1.004	8.6	58	0.01	4.86
9	m	CHLOROETHANE	0.406	0.372	8.4	59	0.01	5.04
10	m	TRICHLOROFLUOROMETHANE	4.691	4.760	-1.5	74	0.01	5.80
11	m	ISOPROPYL ALCOHOL	1.141	0.949	16.8	58	0.05	6.02
12	m	ACETONE	1.181	0.968	18.0	59	0.03	5.68
13	m	PENTANE	0.783	0.702	10.3	59	0.01	6.14
14	m	1,1-DICHLOROETHYLENE	1.041	0.909	12.7	59	0.00	6.42
15	m	CARBON DISULFIDE	2.913	2.725	6.5	62	0.01	6.85
16	m	ETHANOL	0.215	0.179	16.7	49	0.04	5.26
17	m	BROMOETHENE	1.080	0.956	11.5	58	0.00	5.38
		----------	True	Calc.	% Drift	----------		
18	m	METHYLENE CHLORIDE	10.000	7.900	21.0	59	0.02	6.55
		----------	AvgRF	CCRF	% Dev	----------		
19	m	3-CHLOROPROPENE	0.937	1.034	-10.4	73	0.02	6.66
20	m	FREON 113	2.026	1.784	11.9	61	0.02	6.79
21	m	TRANS-1,2-DICHLOROETHYLEN	0.935	0.868	7.2	61	0.02	7.46
22	m	TERTIARY BUTYL ALCOHOL	1.613	1.472	8.7	63	0.04	6.60
23	m	METHYL TERTIARY BUTYL ETH	2.295	2.094	8.8	58	0.03	7.75
24	m	TETRAHYDROFURAN	0.517	0.451	12.8	51	0.03	9.20
25	m	HEXANE	1.209	0.924	23.6	59	0.02	8.64
26	m	VINYL ACETATE	1.478	1.198	18.9	55	0.02	7.81
27	m	1,1-DICHLOROETHANE	1.643	1.579	3.9	65	0.02	7.66
28	m	METHYL ETHYL KETONE	1.128	1.018	9.8	56	0.03	8.10
29	m	cis-1,2-DICHLOROETHYLENE	0.872	0.819	6.1	61	0.01	8.46
30	m	ETHYL ACETATE	1.174	0.975	17.0	56	0.03	8.71
31	m	CHLOROFORM	2.449	2.429	0.8	69	0.01	8.75
32	m	1,1,1-TRICHLOROETHANE	2.926	2.922	0.1	71	0.01	9.69
33	m	CARBON TETRACHLORIDE	3.348	3.324	0.7	68	0.01	10.26
34	m	1,2-DICHLOROETHANE	1.472	1.479	-0.5	68	0.02	9.46
35	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	69	0.01	10.45
36	m	BENZENE	0.488	0.449	8.0	55	0.01	10.13
37	m	CYCLOHEXANE	0.260	0.233	10.4	55	0.01	10.37

Continuing Calibration Summary

Job Number: M67493
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSJ590-CC589
Lab FileID: J11226A.D

38	m	TRICHLOROETHYLENE	0.263	0.253	3.8	57	0.01	11.12
39	m	1,2-DICHLOROPROPANE	0.148	0.138	6.8	53	0.01	10.91
40	m	BROMODICHLOROMETHANE	0.538	0.538	0.0	60	0.01	11.10
41	m	2,2,4-TRIMETHYLPENTANE	0.757	0.723	4.5	58	0.00	11.13
42	m	1,4-DIOXANE	0.092	0.073	20.7	44	0.03	11.20
43	m	HEPTANE	0.253	0.235	7.1	56	0.00	11.36
44	m	METHYL ISOBUTYL KETONE	0.290	0.268	7.6	54	0.02	12.01
45	m	cis-1,3-DICHLOROPROPENE	0.254	0.245	3.5	53	0.01	11.94
46	m	TOLUENE	0.392	0.294	25.0	51	0.00	12.89
47	m	trans-1,3-DICHLOROPROPENE	0.225	0.263	-16.9	57	0.00	12.45
48	m	1,1,2-TRICHLOROETHANE	0.159	0.150	5.7	53	0.00	12.64
49	I	CHLOROBENZENE-D5	1.000	1.000	0.0	69	0.00	14.68
50	m	2-HEXANONE	0.363	0.286	21.2	50	0.00	13.18
51	m	TETRACHLOROETHYLENE	0.359	0.300	16.4	51	0.00	14.01
52	m	DIBROMOCHLOROMETHANE	0.609	0.584	4.1	55	0.00	13.34
53	m	1,2-DIBROMOETHANE	0.387	0.369	4.7	53	0.00	13.58
54	m	CHLOROBENZENE	0.570	0.521	8.6	52	0.00	14.72
55	m	ETHYLBENZENE	1.002	0.916	8.6	53	0.00	15.10
56	m	m,p-XYLENE	0.366	0.345	5.7	52	0.00	15.28
57	m	o-XYLENE	0.380	0.370	2.6	55	0.00	15.79
58	m	STYRENE	0.454	0.452	0.4	51	0.00	15.68
59	m	NONANE	0.389	0.390	-0.3	58	0.00	15.97
60	m	BROMOFORM	0.480	0.472	1.7	51	0.00	15.41
61	S	4-BROMOFLUOROBENZENE	0.508	0.599	-17.9	82	0.00	16.30
62	m	1,1,2,2-TETRACHLOROETHANE	0.490	0.478	2.4	55	0.00	15.80
63	m	ISOPROPYLBENZENE	1.155	1.174	-1.6	57	0.00	16.43
64	m	2-CHLOROTOLUENE	0.839	0.845	-0.7	57	0.00	16.98
65	m	4-ETHYLTOLUENE	1.035	1.011	2.3	55	0.00	17.17
66	m	1,3,5-TRIMETHYLBENZENE	0.934	0.924	1.1	57	0.00	17.25
67	m	1,2,4-TRIMETHYLBENZENE	0.853	0.866	-1.5	57	0.00	17.72
		----------	True	Calc.	% Drift	----------		
68	m	m-DICHLOROBENZENE	10.000	8.614	13.9	56	0.00	17.91
69	m	BENZYL CHLORIDE	10.000	8.095	19.0	57	0.00	17.89
		----------	AvgRF	CCRF	% Dev	----------		
70	m	p-DICHLOROBENZENE	0.464	0.485	-4.5	57	0.00	17.98
71	m	o-DICHLOROBENZENE	0.447	0.472	-5.6	53	0.00	18.37
72	m	HEXACHLOROBUTADIENE	0.327	0.307	6.1	53	0.00	20.76
		----------	True	Calc.	% Drift	----------		
73	m	1,2,4-TRICHLOROBENZENE	10.000	7.890	21.1	48	0.00	20.27
		----------	AvgRF	CCRF	% Dev	----------		
74	m	NAPHTHALENE		----------NA----------				

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

(#) = Out of Range SPCC's out = 0 CCC's out = 0
J11220.D J090607T.M Fri Sep 07 11:30:14 2007

GC/MS Volatiles

Raw Data

Manual Integrations
APPROVED
(compounds with "m" flag)
Doug Yargeau
09/10/07 16:13

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J11228.D
Acq On : 7 Sep 2007 12:33 pm
Operator : PhilipB
Sample : M67493-1
Misc : MS14255, MSJ590,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 07 14:07:16 2007
Quant Method : C:\MSDCHEM\1\METHODS\J090607T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Sep 07 11:10:25 2007
Response via : Initial Calibration

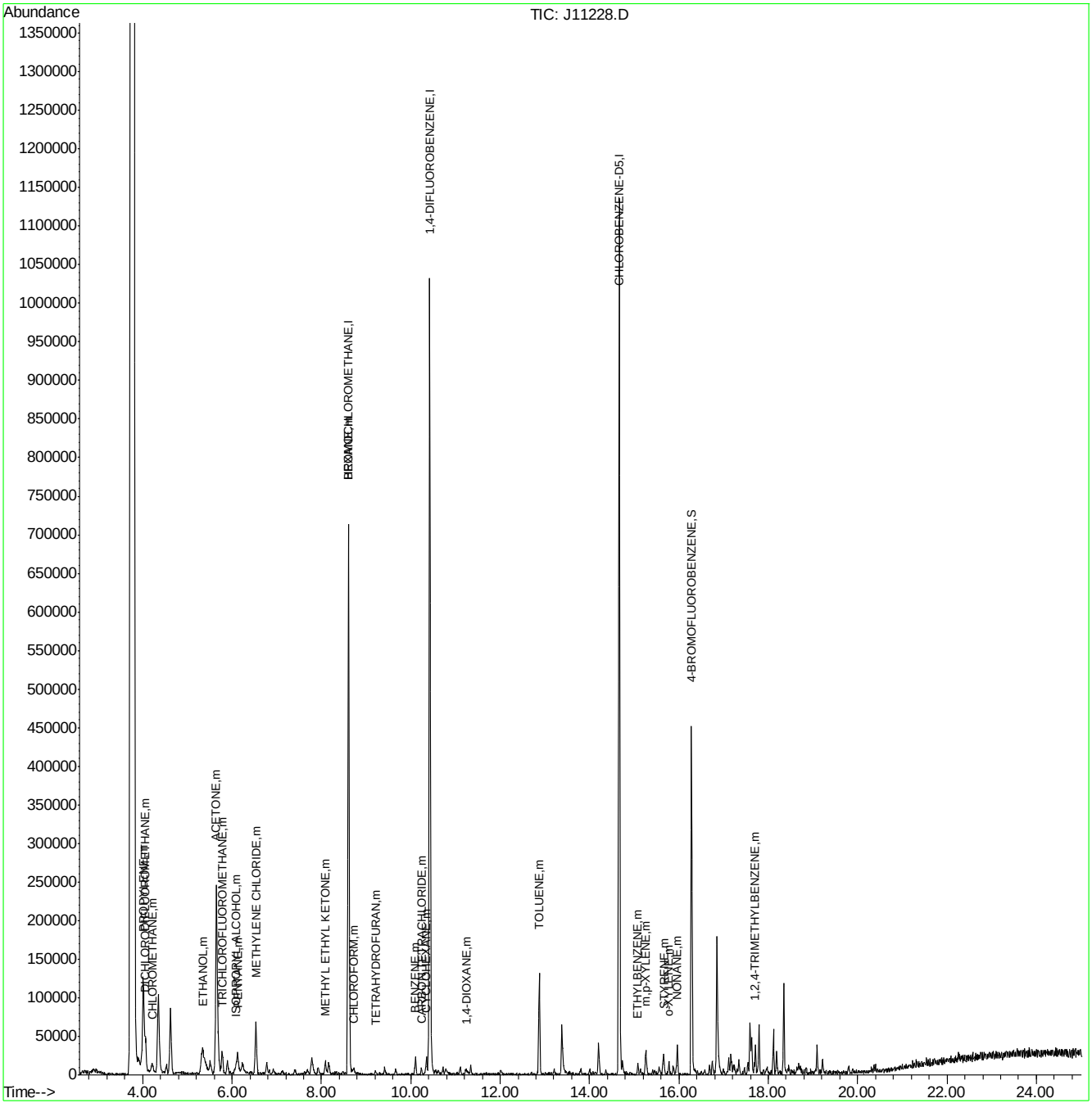
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.60	128	187773	10.00	PPBV	-0.01
35) 1,4-DIFLUOROBENZENE	10.42	114	748007	10.00	PPBV	-0.01
49) CHLOROBENZENE-D5	14.66	117	559612	10.00	PPBV	-0.01
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.28	95	147195	5.18	PPBV	-0.01
Spiked Amount 5.000	Range 51 - 142		Recovery	= 103.60%		
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.07	85	50012	0.58	PPBV	98
3) PROPYLENE	4.01	41	42169	3.44	PPBV #	35
5) CHLOROMETHANE	4.22	50	9322	0.65	PPBV	92
10) TRICHLOROFLUOROMETHANE	5.78	101	29422	0.33	PPBV	97
11) ISOPROPYL ALCOHOL	6.09	45	14796	0.69	PPBV	97
12) ACETONE	5.65	43	412757	18.62	PPBV	87
13) PENTANE	6.12	42	9299	0.63	PPBV	85
16) ETHANOL	5.35	45	110909m	27.42	PPBV	
18) METHYLENE CHLORIDE	6.53	84	30927	1.96	PPBV	98
24) TETRAHYDROFURAN	9.21	42	2400m	0.25	PPBV	
25) HEXANE	8.61	57	15225	0.67	PPBV	90
28) METHYL ETHYL KETONE	8.09	43	23126	1.09	PPBV	90
31) CHLOROFORM	8.72	83	4280	0.09	PPBV #	80
33) CARBON TETRACHLORIDE	10.23	117	4254	0.07	PPBV	95
36) BENZENE	10.10	78	18375	0.50	PPBV	97
37) CYCLOHEXANE	10.34	84	6773	0.35	PPBV #	63
42) 1,4-DIOXANE	11.24	88	8752m	1.28	PPBV	
46) TOLUENE	12.87	92	52784	1.80	PPBV	98
55) ETHYLBENZENE	15.08	91	10187	0.18	PPBV	94
56) m,p-XYLENE	15.26	106	8816	0.43	PPBV #	68
57) o-XYLENE	15.78	106	4885	0.23	PPBV	90
58) STYRENE	15.66	104	6078	0.24	PPBV	83
59) NONANE	15.96	43	11382	0.52	PPBV	91
67) 1,2,4-TRIMETHYLBENZENE	17.71	105	16969	0.36	PPBV	91

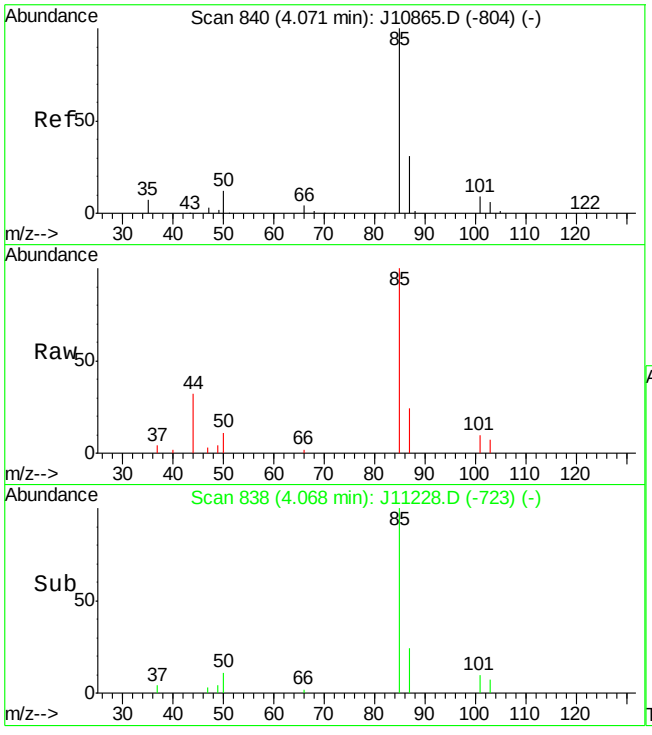
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J11228.D
Acq On : 7 Sep 2007 12:33 pm
Operator : PhilipB
Sample : M67493-1
Misc : MS14255, MSJ590,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 07 14:07:16 2007
Quant Method : C:\MSDCHEM\1\METHODS\J090607T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Sep 07 11:10:25 2007
Response via : Initial Calibration

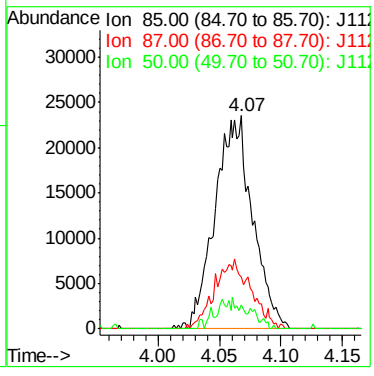


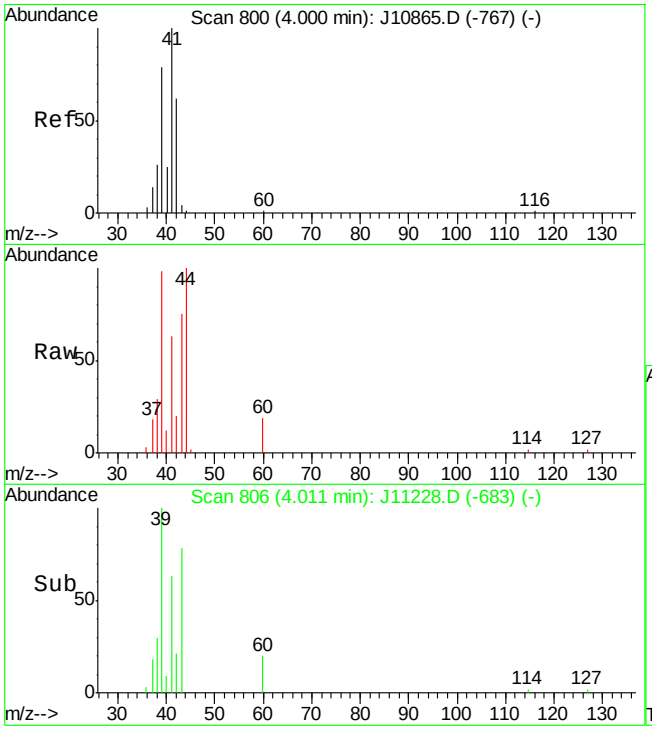


#2
DICHLORODIFLUOROMETHANE
Concen: 0.58 PPBV
RT: 4.07 min Scan# 838
Delta R.T. -0.00 min
Lab File: J11228.D
Acq: 7 Sep 2007 12:33 pm

Tgt Ion: 85 Resp: 50012

Ion	Ratio	Lower	Upper
85	100		
87	31.6	12.9	52.9
50	12.2	0.0	32.5

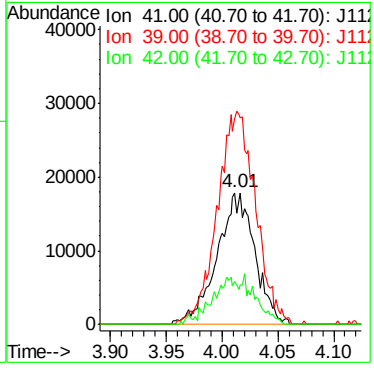


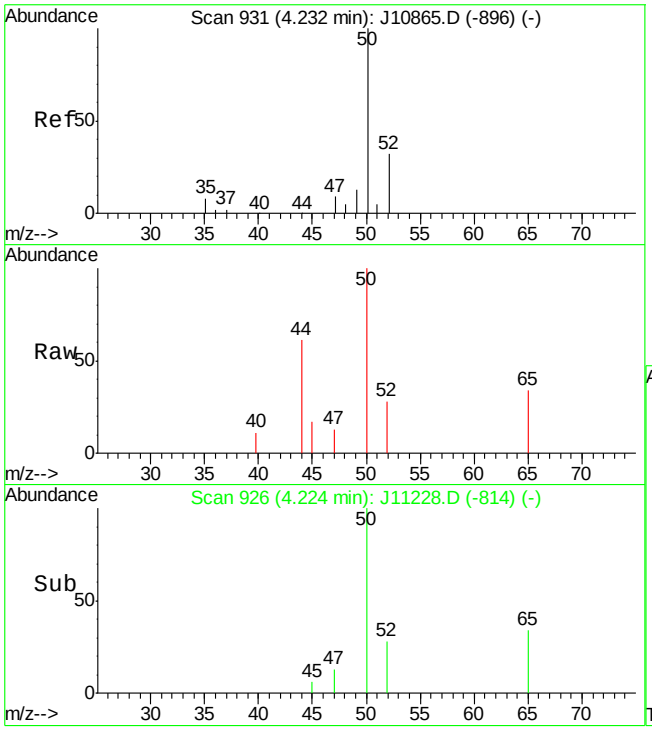


#3
PROPYLENE
Concen: 3.44 PPBV
RT: 4.01 min Scan# 806
Delta R.T. 0.01 min
Lab File: J11228.D
Acq: 7 Sep 2007 12:33 pm

Tgt Ion: 41 Resp: 42169

Ion	Ratio	Lower	Upper
41	100		
39	155.3	59.4	99.4#
42	32.3	42.3	82.3#

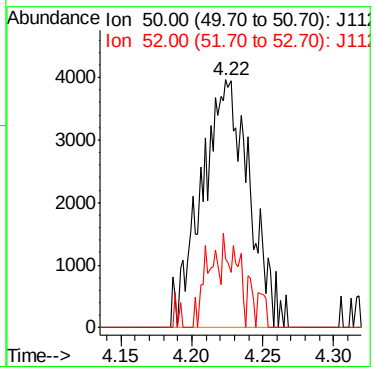


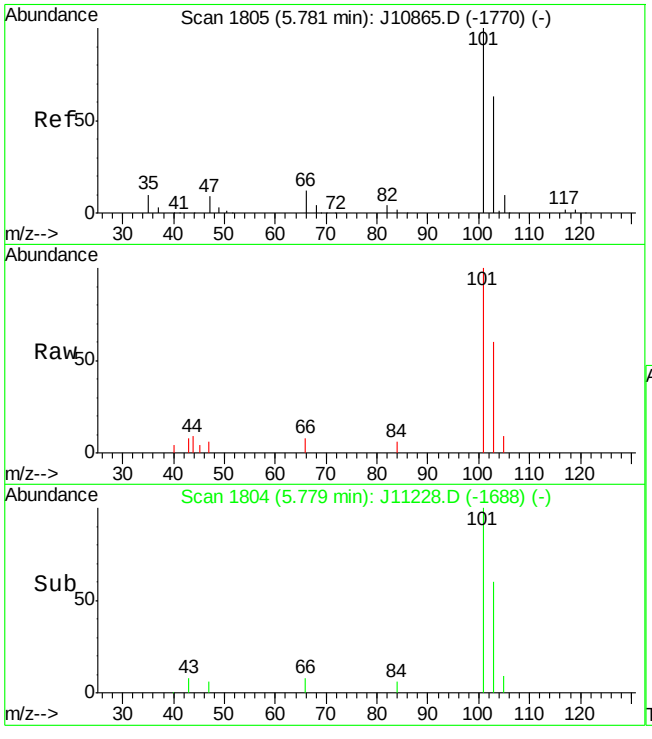


#5
CHLOROMETHANE
Concen: 0.65 PPBV
RT: 4.22 min Scan# 926
Delta R.T. -0.01 min
Lab File: J11228.D
Acq: 7 Sep 2007 12:33 pm

Tgt Ion: 50 Resp: 9322

Ion	Ratio	Lower	Upper
50	100		
52	27.9	12.6	52.6

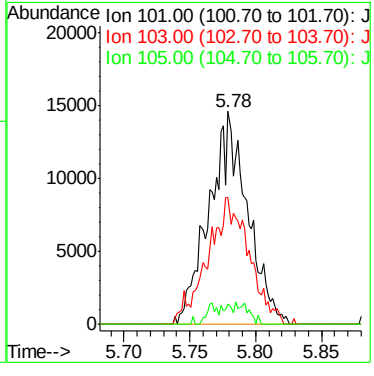


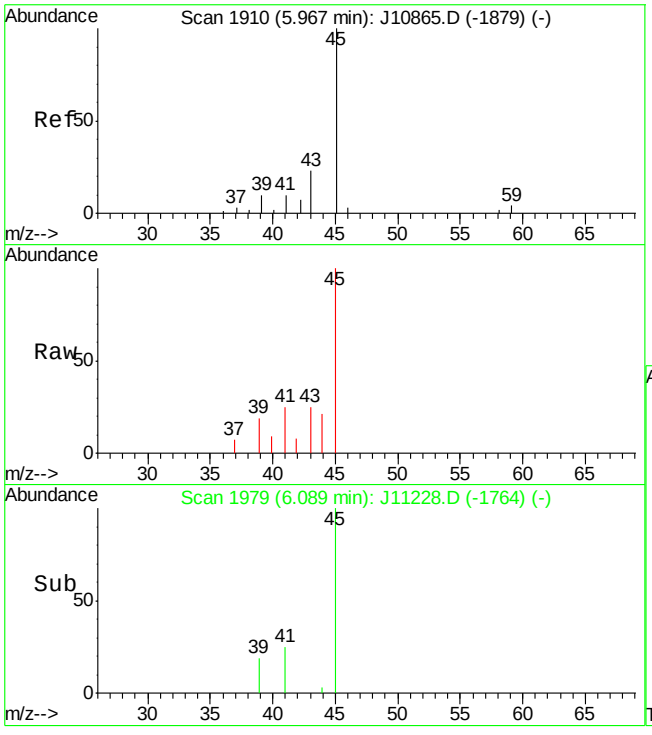


#10
TRICHLOROFLUOROMETHANE
Concen: 0.33 PPBV
RT: 5.78 min Scan# 1804
Delta R.T. -0.00 min
Lab File: J11228.D
Acq: 7 Sep 2007 12:33 pm

Tgt Ion:101 Resp: 29422

Ion	Ratio	Lower	Upper
101	100		
103	64.5	44.8	84.8
105	4.0	0.0	30.6

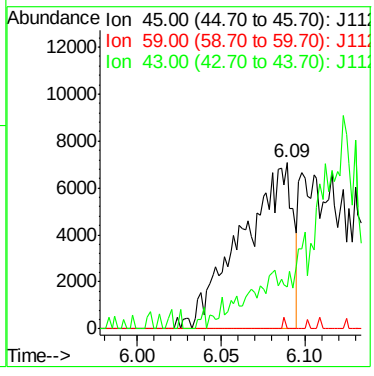


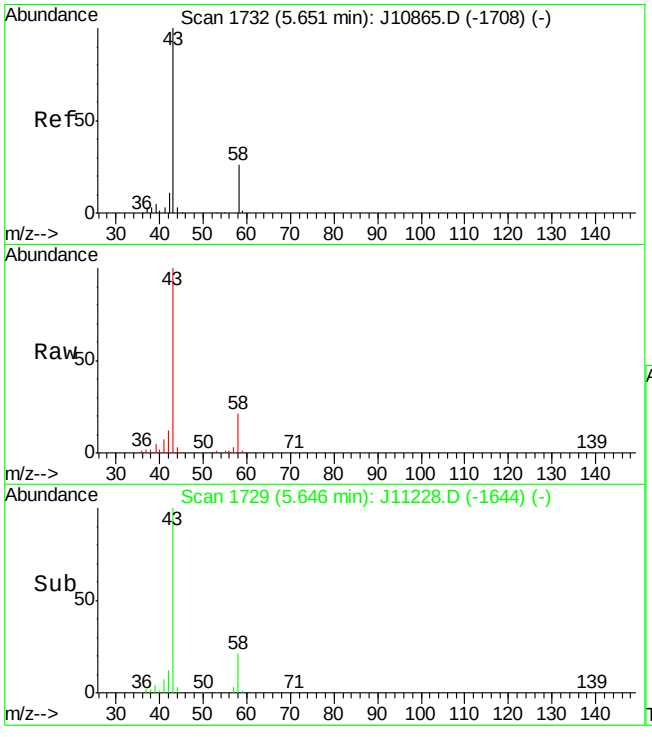


#11
ISOPROPYL ALCOHOL
Concen: 0.69 PPBV
RT: 6.09 min Scan# 1979
Delta R.T. 0.12 min
Lab File: J11228.D
Acq: 7 Sep 2007 12:33 pm

Tgt Ion: 45 Resp: 14796

Ion	Ratio	Lower	Upper
45	100		
59	0.0	0.0	23.6
43	25.3	4.2	44.2

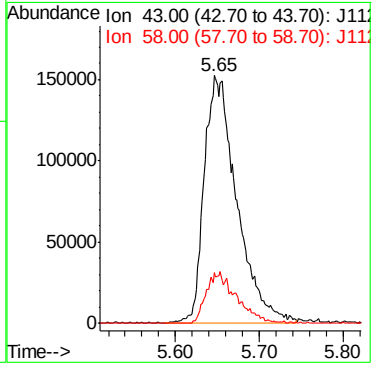


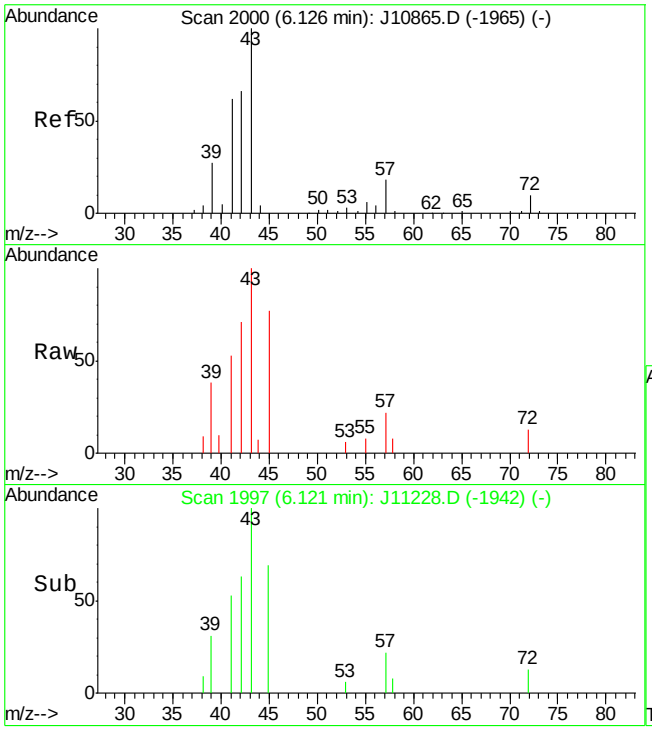


#12
ACETONE
Concen: 18.62 PPBV
RT: 5.65 min Scan# 1729
Delta R.T. -0.00 min
Lab File: J11228.D
Acq: 7 Sep 2007 12:33 pm

Tgt Ion: 43 Resp: 412757

Ion	Ratio	Lower	Upper
43	100		
58	19.2	5.6	45.6

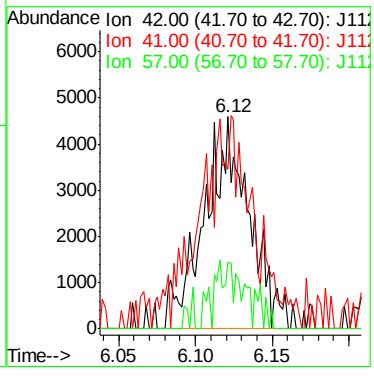


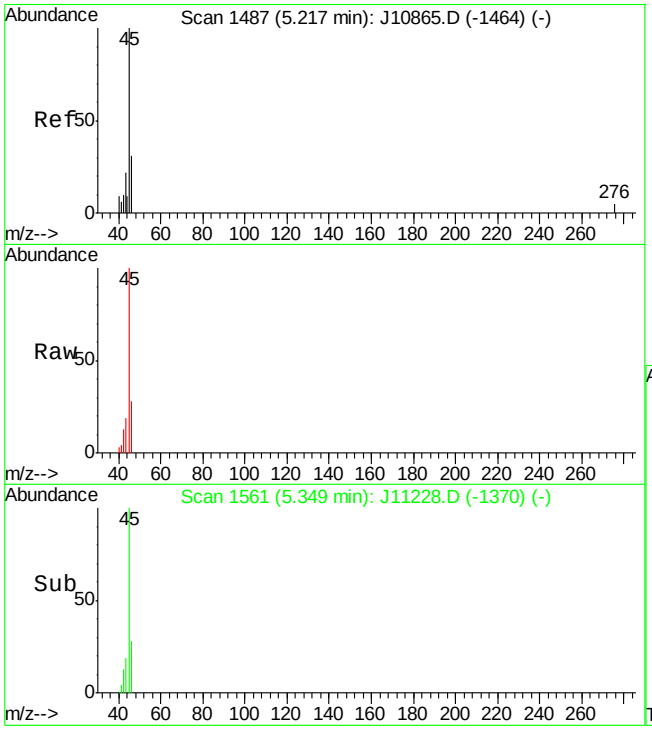


#13
PENTANE
Concen: 0.63 PPBV
RT: 6.12 min Scan# 1997
Delta R.T. -0.00 min
Lab File: J11228.D
Acq: 7 Sep 2007 12:33 pm

Tgt Ion: 42 Resp: 9299

Ion	Ratio	Lower	Upper
42	100		
41	114.8	76.6	116.6
57	22.7	4.5	44.5

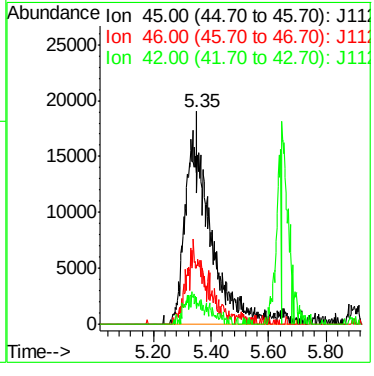


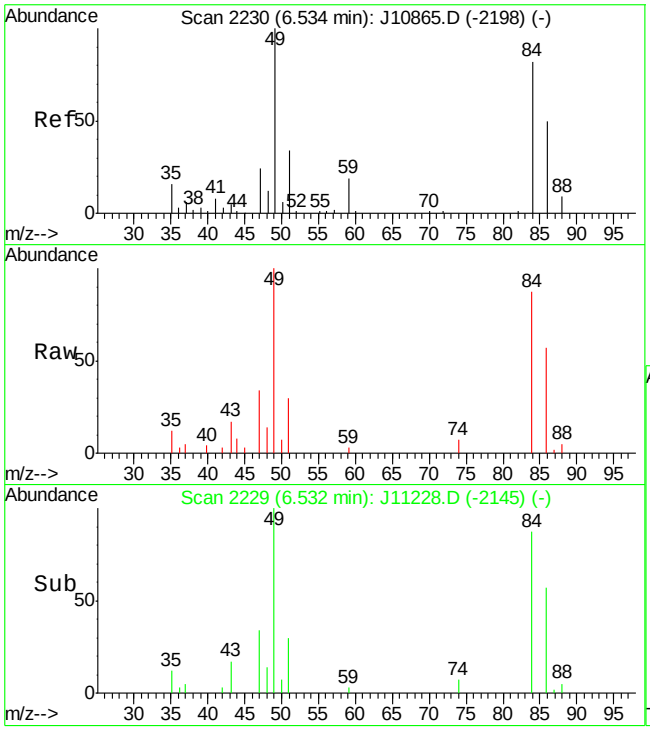


#16
ETHANOL
Concen: 27.42 PPBV m
RT: 5.35 min Scan# 1561
Delta R.T. 0.13 min
Lab File: J11228.D
Acq: 7 Sep 2007 12:33 pm

Tgt Ion: 45 Resp: 110909

Ion	Ratio	Lower	Upper
45	100		
46	13.6	14.0	54.0#
42	0.0	0.0	29.4

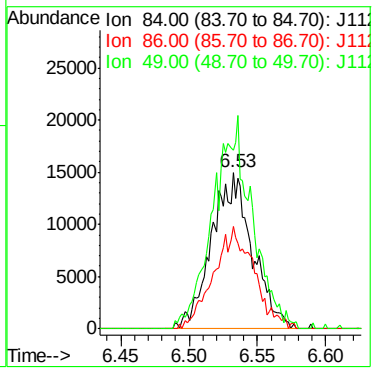


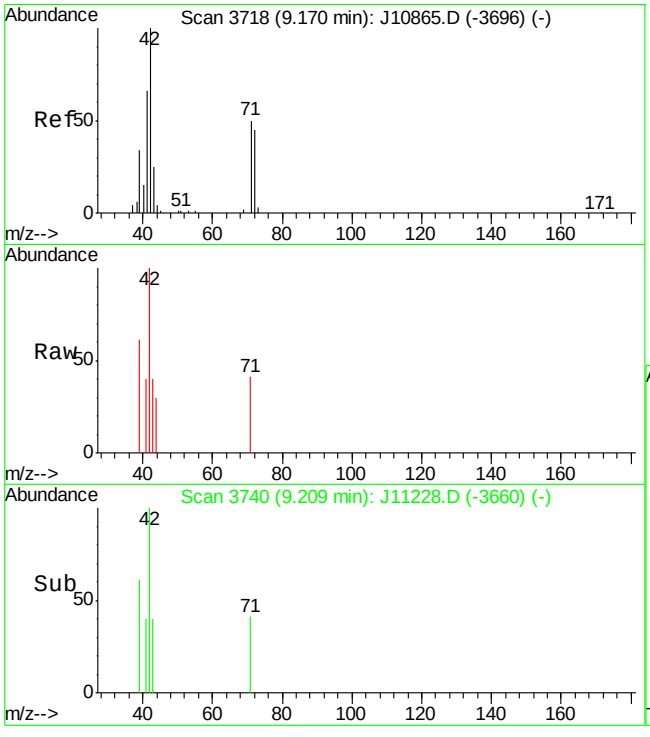


#18
METHYLENE CHLORIDE
Concen: 1.96 PPBV
RT: 6.53 min Scan# 2229
Delta R.T. -0.00 min
Lab File: J11228.D
Acq: 7 Sep 2007 12:33 pm

Tgt Ion: 84 Resp: 30927

Ion	Ratio	Lower	Upper
84	100		
86	64.5	44.2	84.2
49	131.2	0.0	327.7

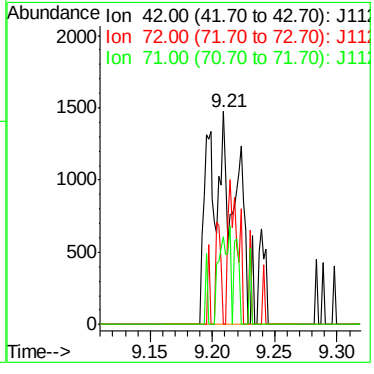


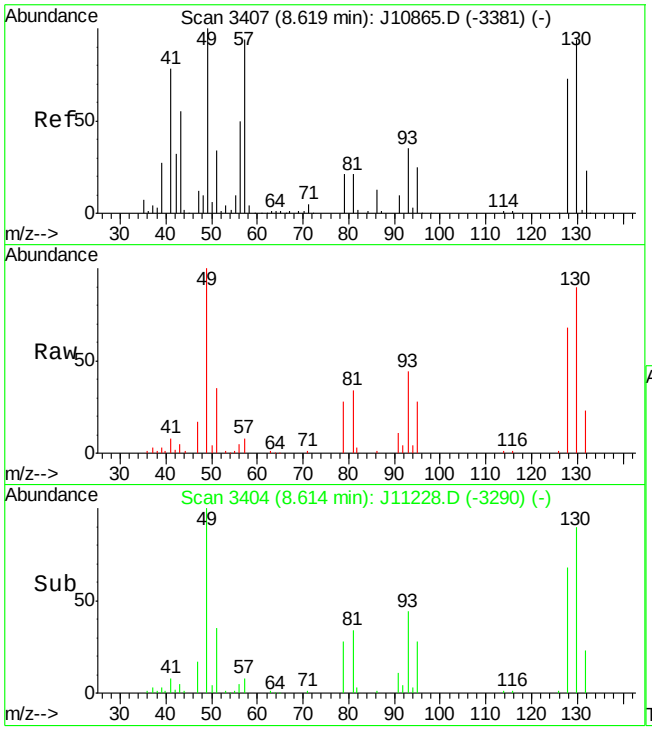


#24
TETRAHYDROFURAN
Concen: 0.25 PPBV m
RT: 9.21 min Scan# 3740
Delta R.T. 0.04 min
Lab File: J11228.D
Acq: 7 Sep 2007 12:33 pm

Tgt Ion: 42 Resp: 2400

Ion	Ratio	Lower	Upper
42	100		
72	33.3	25.6	65.6
71	16.2	26.9	66.9#

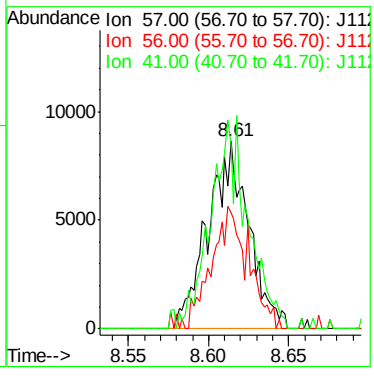


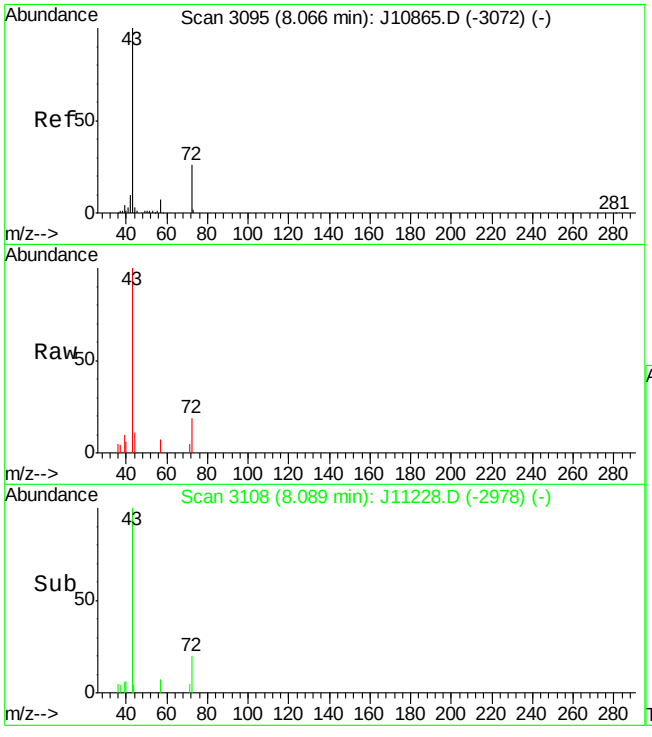


#25
HEXANE
Concen: 0.67 PPBV
RT: 8.61 min Scan# 3404
Delta R.T. -0.00 min
Lab File: J11228.D
Acq: 7 Sep 2007 12:33 pm

Tgt Ion: 57 Resp: 15225

Ion	Ratio	Lower	Upper
57	100		
56	59.0	38.5	78.5
41	103.5	68.1	108.1

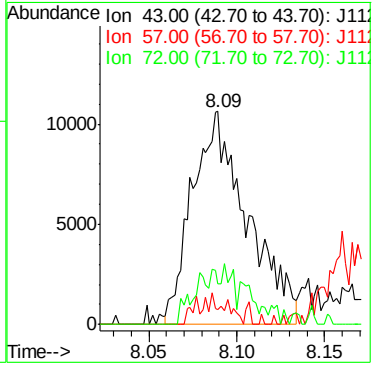


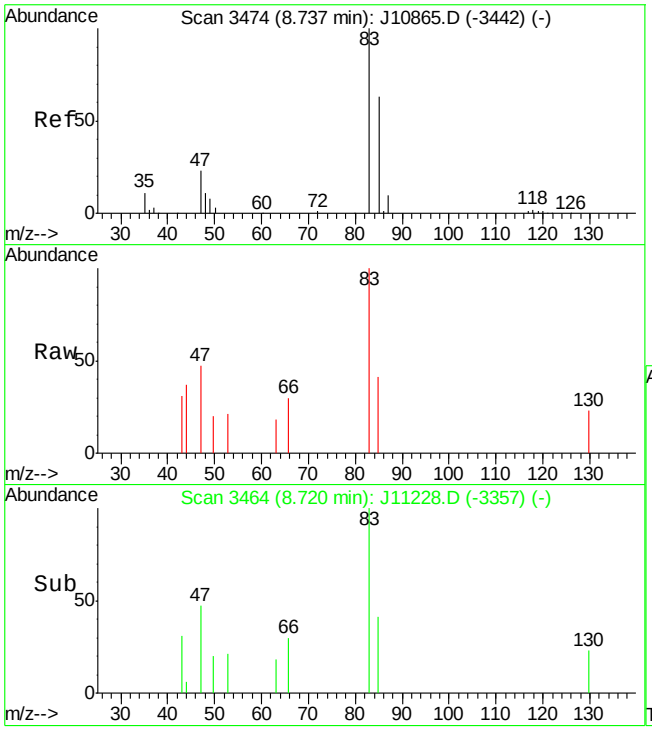


#28
METHYL ETHYL KETONE
Concen: 1.09 PPBV
RT: 8.09 min Scan# 3108
Delta R.T. 0.02 min
Lab File: J11228.D
Acq: 7 Sep 2007 12:33 pm

Tgt Ion: 43 Resp: 23126

Ion	Ratio	Lower	Upper
43	100		
57	7.1	0.0	27.4
72	19.2	5.7	45.7

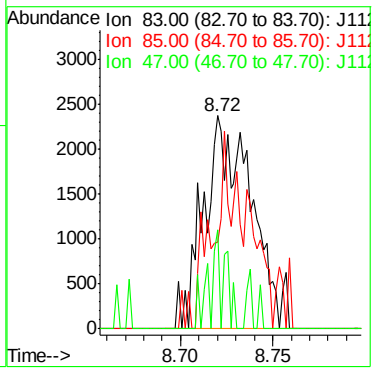


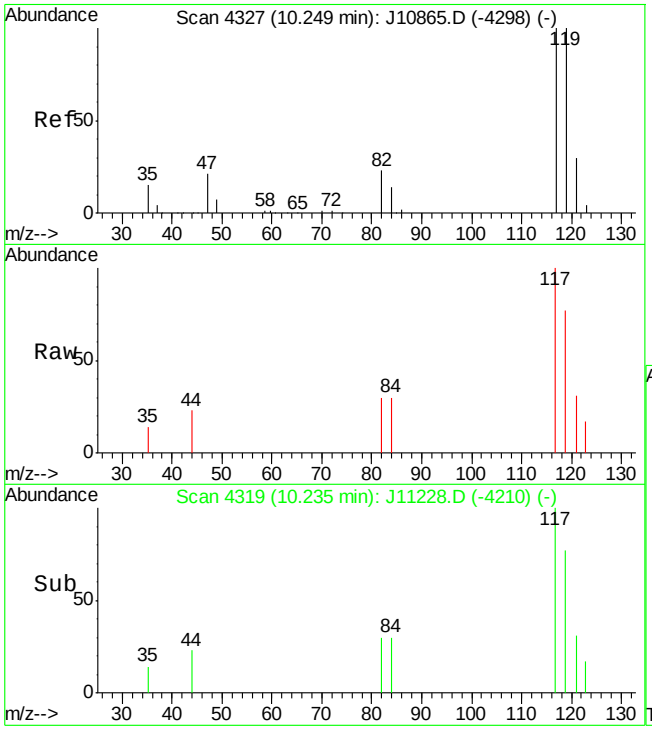


#31
CHLOROFORM
Concen: 0.09 PPBV
RT: 8.72 min Scan# 3464
Delta R.T. -0.02 min
Lab File: J11228.D
Acq: 7 Sep 2007 12:33 pm

Tgt Ion: 83 Resp: 4280

Ion	Ratio	Lower	Upper
83	100		
85	71.4	44.3	84.3
47	0.0	4.3	44.3#

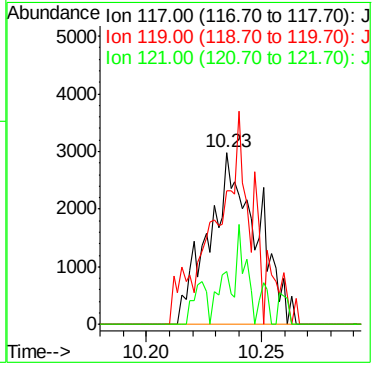


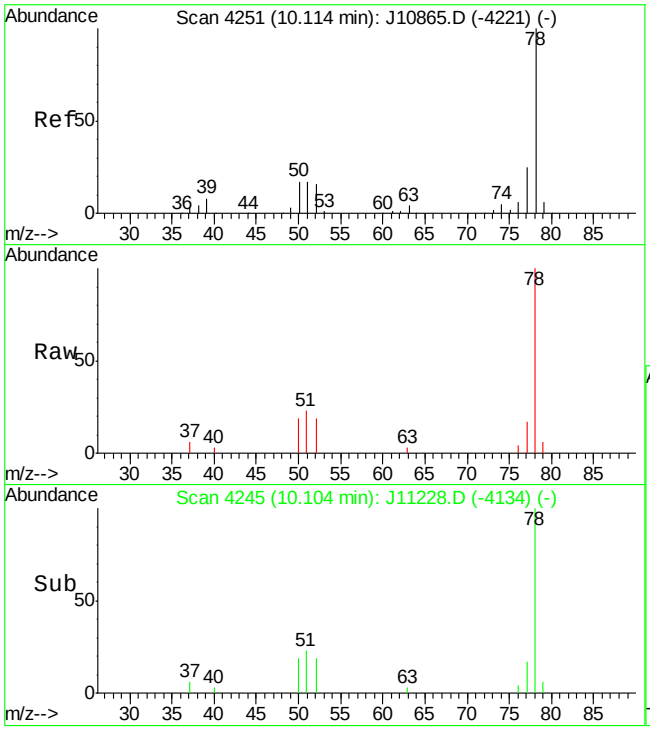


#33
CARBON TETRACHLORIDE
Concen: 0.07 PPBV
RT: 10.23 min Scan# 4319
Delta R.T. -0.01 min
Lab File: J11228.D
Acq: 7 Sep 2007 12:33 pm

Tgt Ion:117 Resp: 4254

Ion	Ratio	Lower	Upper
117	100		
119	103.5	77.4	117.4
121	31.8	11.0	51.0

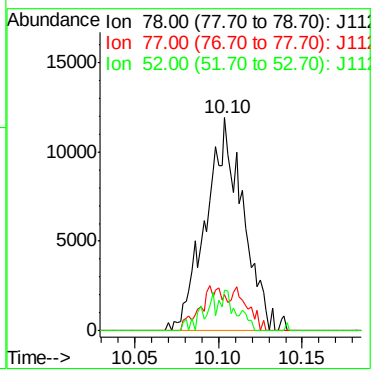


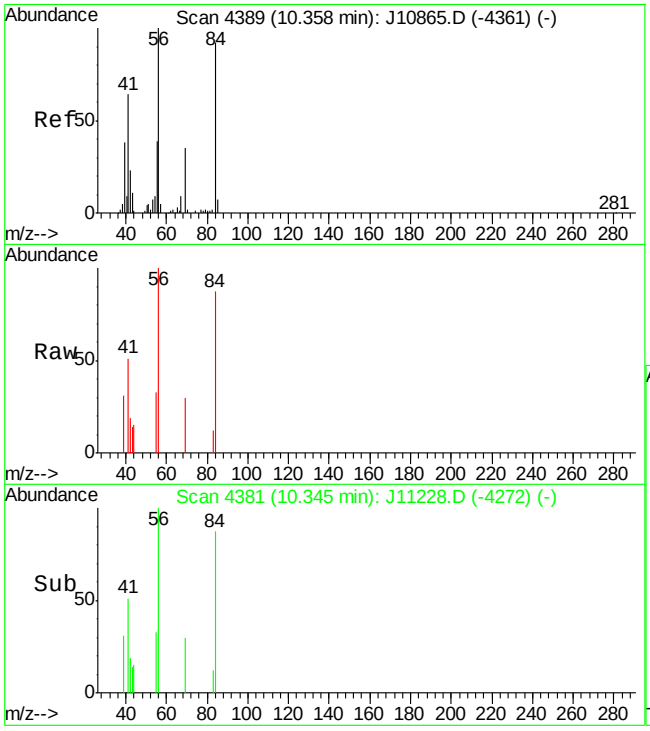


#36
BENZENE
Concen: 0.50 PPBV
RT: 10.10 min Scan# 4245
Delta R.T. -0.01 min
Lab File: J11228.D
Acq: 7 Sep 2007 12:33 pm

Tgt Ion: 78 Resp: 18375

Ion	Ratio	Lower	Upper
78	100		
77	23.1	4.3	44.3
52	14.3	0.0	35.7

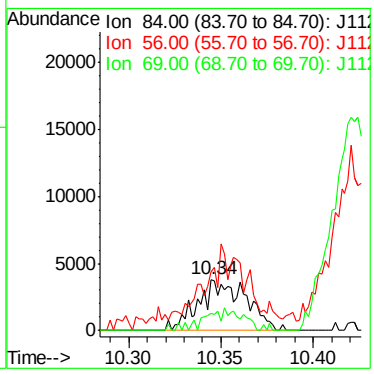


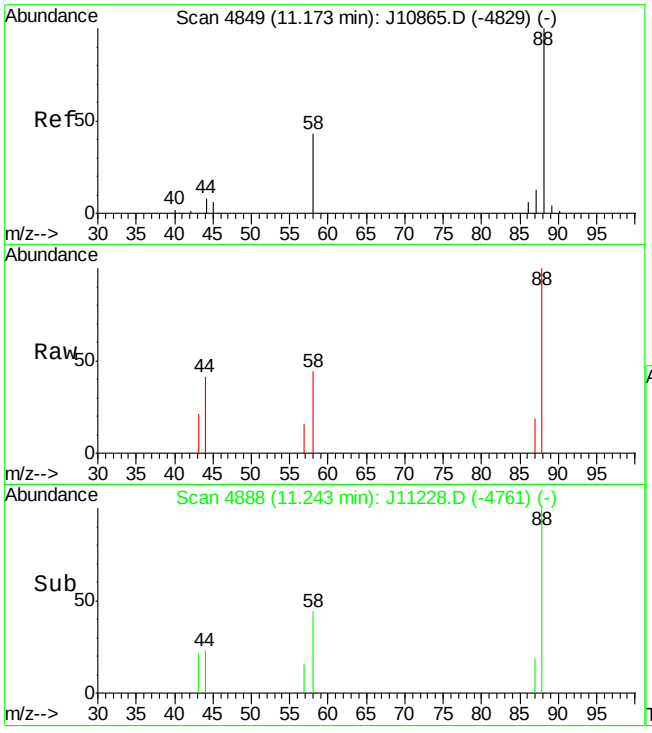


#37
CYCLOHEXANE
Concen: 0.35 PPBV
RT: 10.34 min Scan# 4381
Delta R.T. -0.01 min
Lab File: J11228.D
Acq: 7 Sep 2007 12:33 pm

Tgt Ion: 84 Resp: 6773

Ion	Ratio	Lower	Upper
84	100		
56	158.1	90.5	130.5#
69	29.4	17.7	57.7

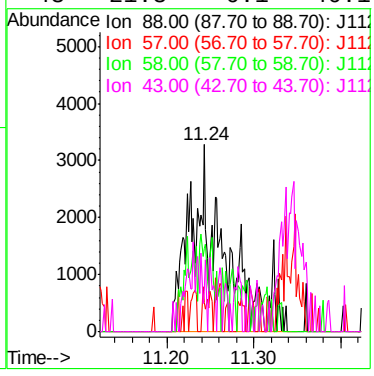


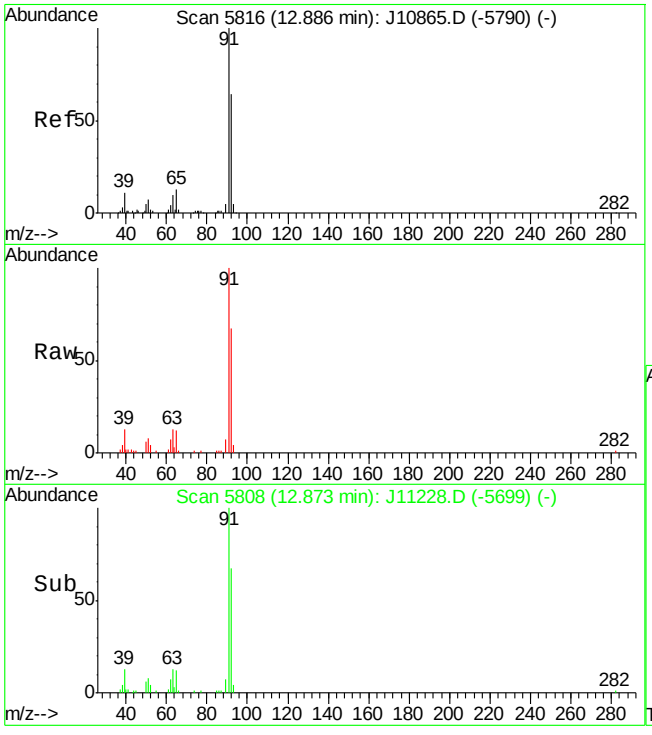


#42
1,4-DIOXANE
Concen: 1.28 PPBV m
RT: 11.24 min Scan# 4888
Delta R.T. 0.07 min
Lab File: J11228.D
Acq: 7 Sep 2007 12:33 pm

Tgt Ion: 88 Resp: 8752

Ion	Ratio	Lower	Upper
88	100		
57	15.9	7.5	47.5
58	44.3	33.1	73.1
43	21.3	6.1	46.1

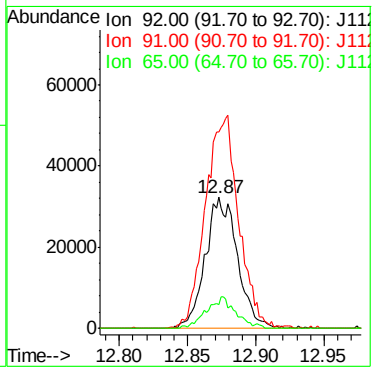


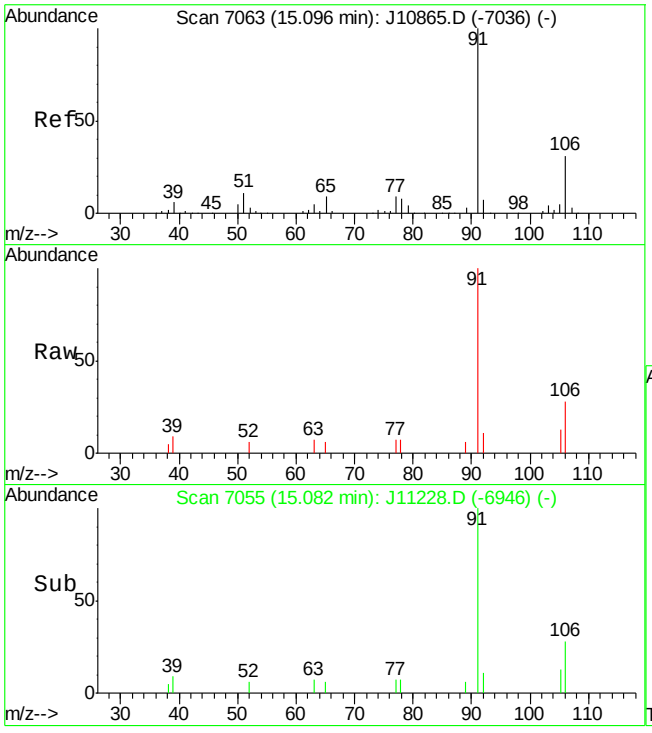


#46
TOLUENE
Concen: 1.80 PPBV
RT: 12.87 min Scan# 5808
Delta R.T. -0.01 min
Lab File: J11228.D
Acq: 7 Sep 2007 12:33 pm

Tgt Ion: 92 Resp: 52784

Ion	Ratio	Lower	Upper
92	100		
91	168.6	146.5	186.5
65	22.4	0.0	39.5

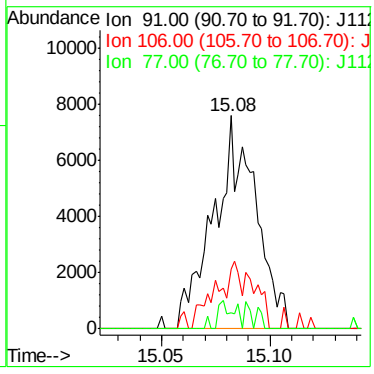


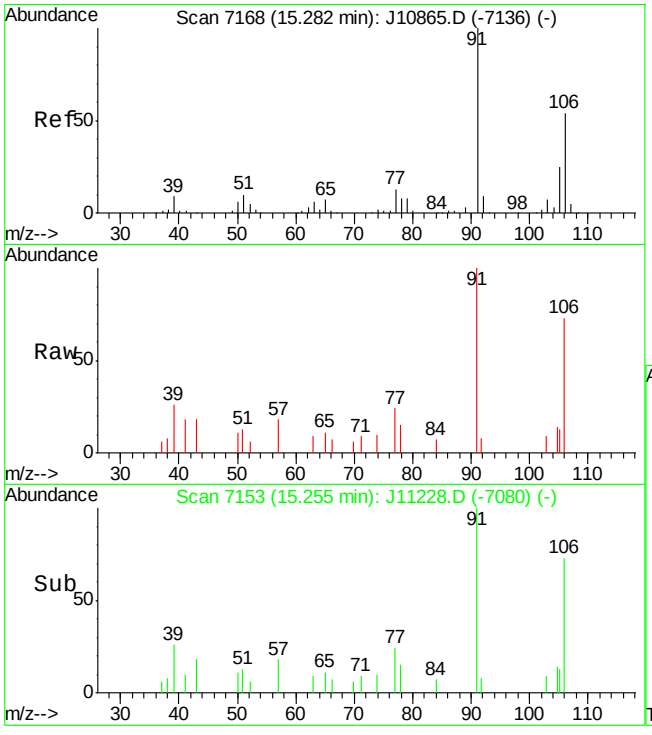


#55
ETHYLBENZENE
Concen: 0.18 PPBV
RT: 15.08 min Scan# 7055
Delta R.T. -0.01 min
Lab File: J11228.D
Acq: 7 Sep 2007 12:33 pm

Tgt Ion: 91 Resp: 10187

Ion	Ratio	Lower	Upper
91	100		
106	29.4	11.5	51.5
77	5.0	0.0	29.3

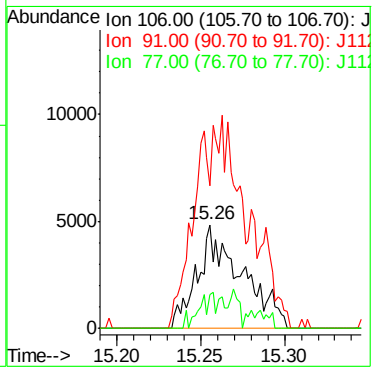


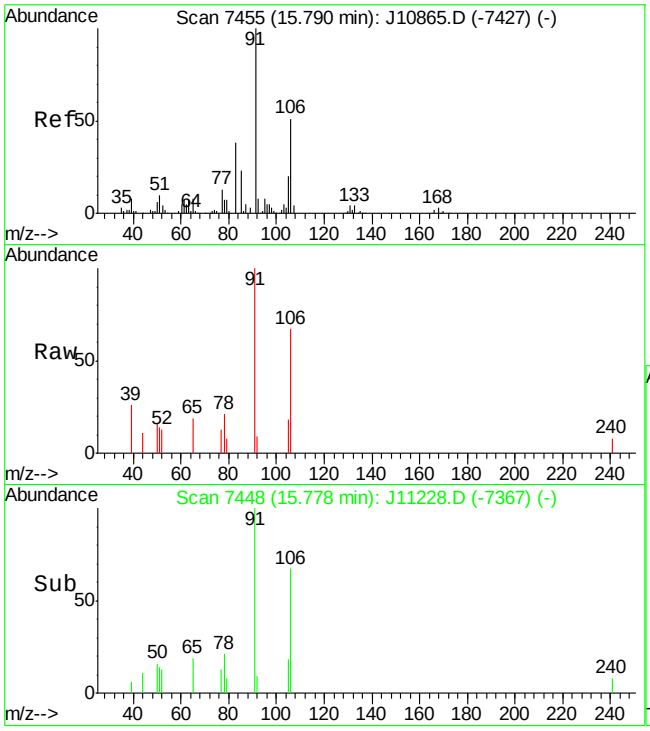


#56
m,p-XYLENE
Concen: 0.43 PPBV
RT: 15.26 min Scan# 7153
Delta R.T. -0.03 min
Lab File: J11228.D
Acq: 7 Sep 2007 12:33 pm

Tgt Ion:106 Resp: 8816

Ion	Ratio	Lower	Upper
106	100		
91	136.9	148.2	222.4#
77	32.5	18.8	28.2#

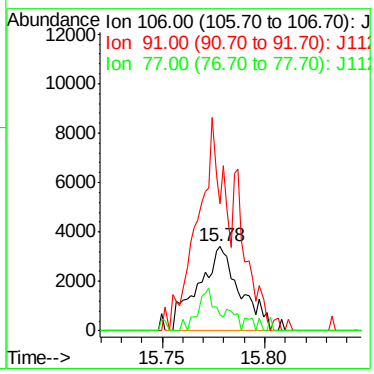


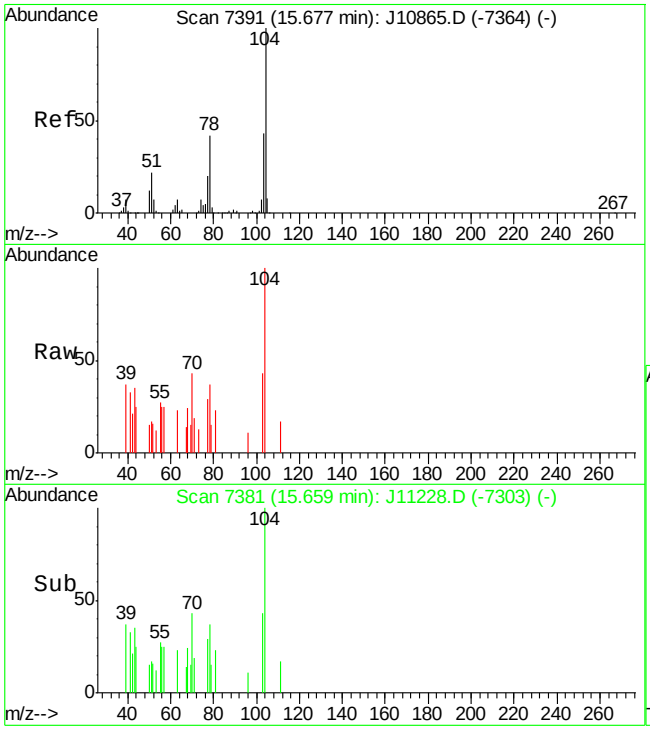


#57
o-XYLENE
Concen: 0.23 PPBV
RT: 15.78 min Scan# 7448
Delta R.T. -0.01 min
Lab File: J11228.D
Acq: 7 Sep 2007 12:33 pm

Tgt Ion:106 Resp: 4885

Ion	Ratio	Lower	Upper
106	100		
91	225.0	189.2	229.2
77	32.9	7.0	47.0

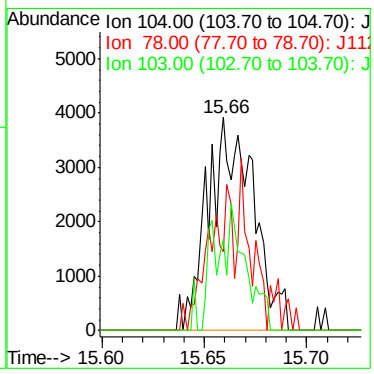


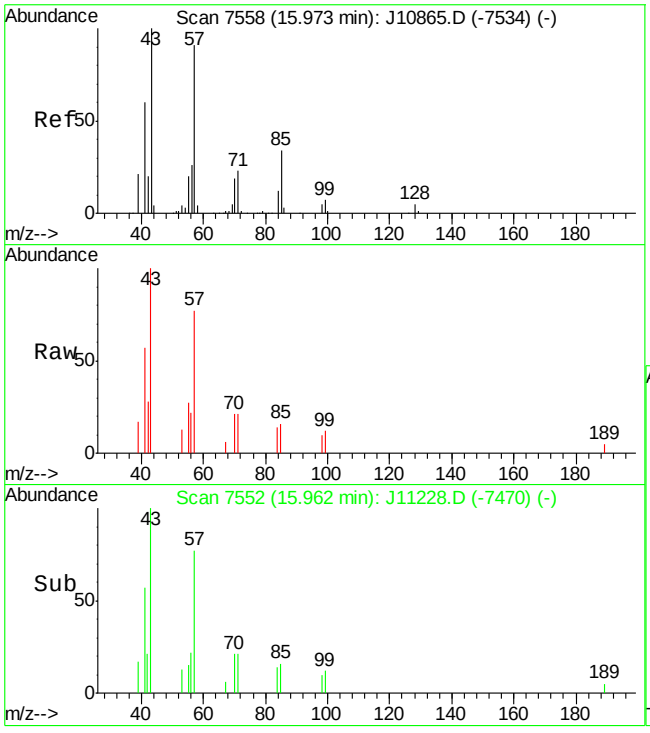


#58
STYRENE
Concen: 0.24 PPBV
RT: 15.66 min Scan# 7381
Delta R.T. -0.02 min
Lab File: J11228.D
Acq: 7 Sep 2007 12:33 pm

Tgt Ion:104 Resp: 6078

Ion	Ratio	Lower	Upper
104	100		
78	59.8	24.1	64.1
103	40.8	27.4	67.4

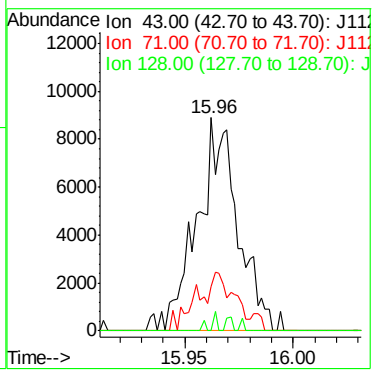


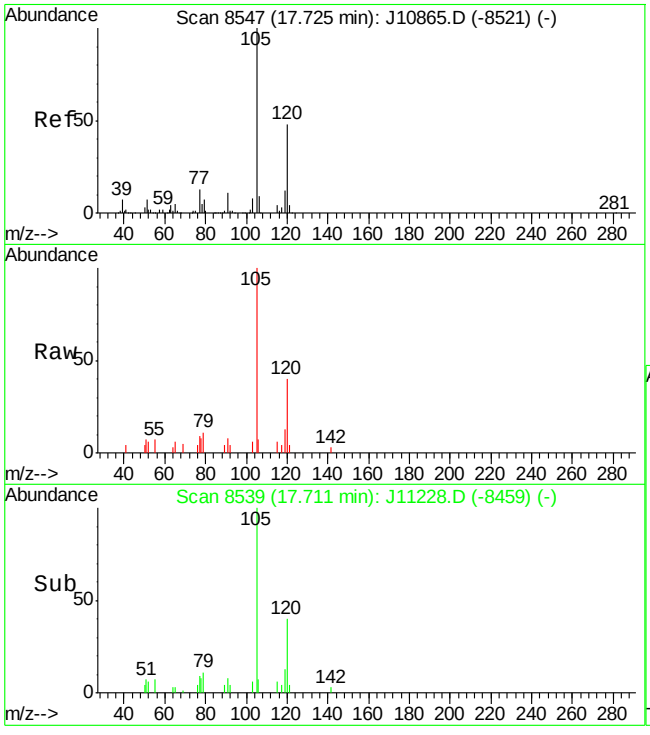


#59
NONANE
Concen: 0.52 PPBV
RT: 15.96 min Scan# 7552
Delta R.T. -0.01 min
Lab File: J11228.D
Acq: 7 Sep 2007 12:33 pm

Tgt Ion: 43 Resp: 11382

Ion	Ratio	Lower	Upper
43	100		
71	27.0	3.6	43.6
128	1.2	0.0	26.1

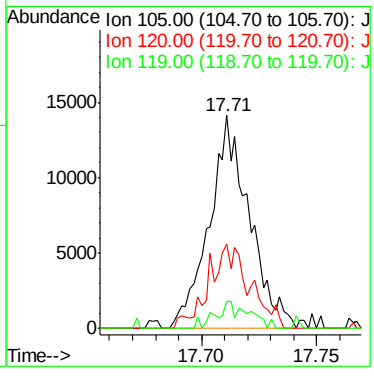




#67
1,2,4-TRIMETHYLBENZENE
Concen: 0.36 PPBV
RT: 17.71 min Scan# 8539
Delta R.T. -0.01 min
Lab File: J11228.D
Acq: 7 Sep 2007 12:33 pm

Tgt Ion:105 Resp: 16969

Ion	Ratio	Lower	Upper
105	100		
120	41.1	28.0	68.0
119	10.4	0.0	32.7

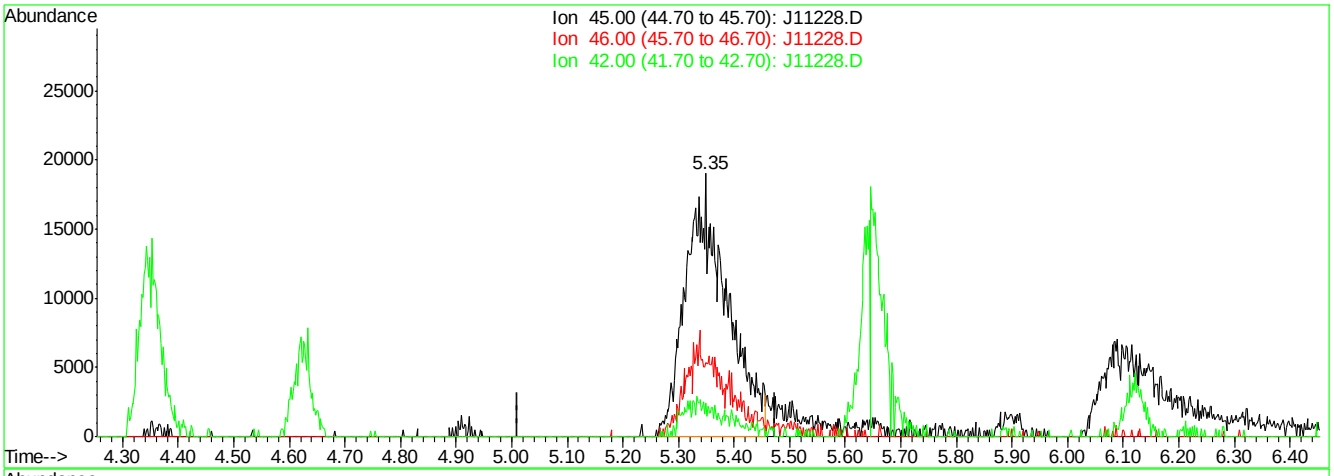


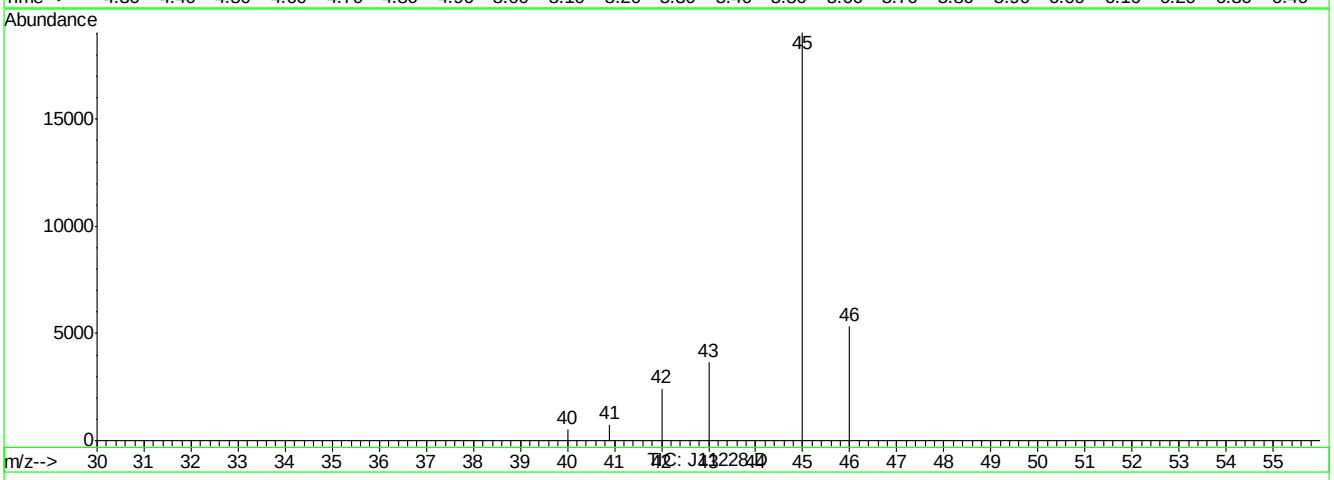
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11228.D Vial: 6
Acq On : 7 Sep 2007 12:33 pm Operator: PhilipB
Sample : M67493-1 Inst : MSJ
Misc : MS14255, MSJ590,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 14:04:35 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:10:25 2007
Response via : Multiple Level Calibration





(16) ETHANOL (m)

5.35min 23.62PPBV

response 95546

Ion	Exp%	Act%
45.00	100	100
46.00	34.00	15.83
42.00	9.40	0.00
0.00	0.00	0.00

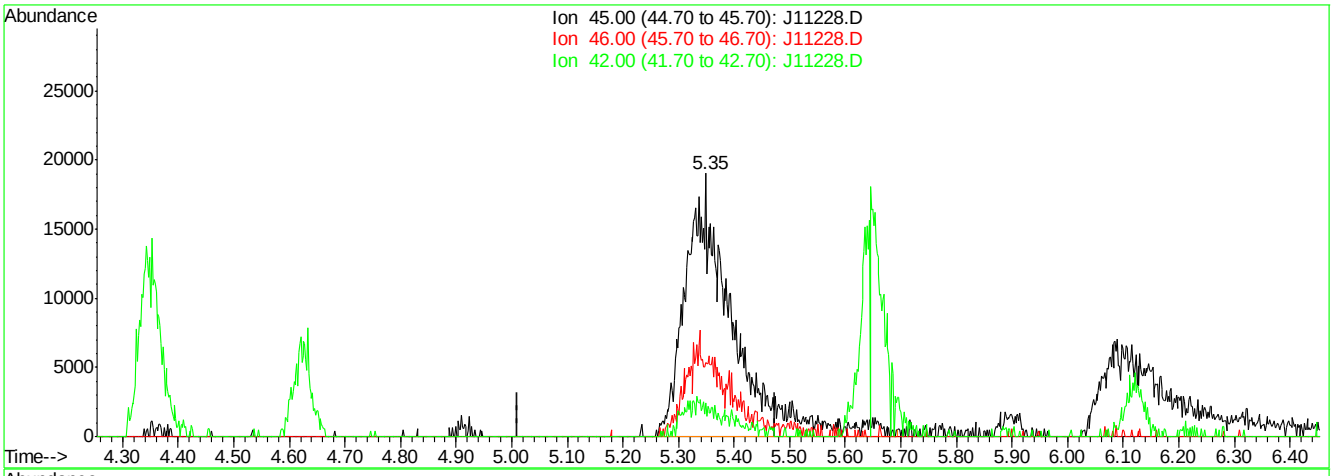
J11228.D J090607T.M Fri Sep 07 14:05:12 2007

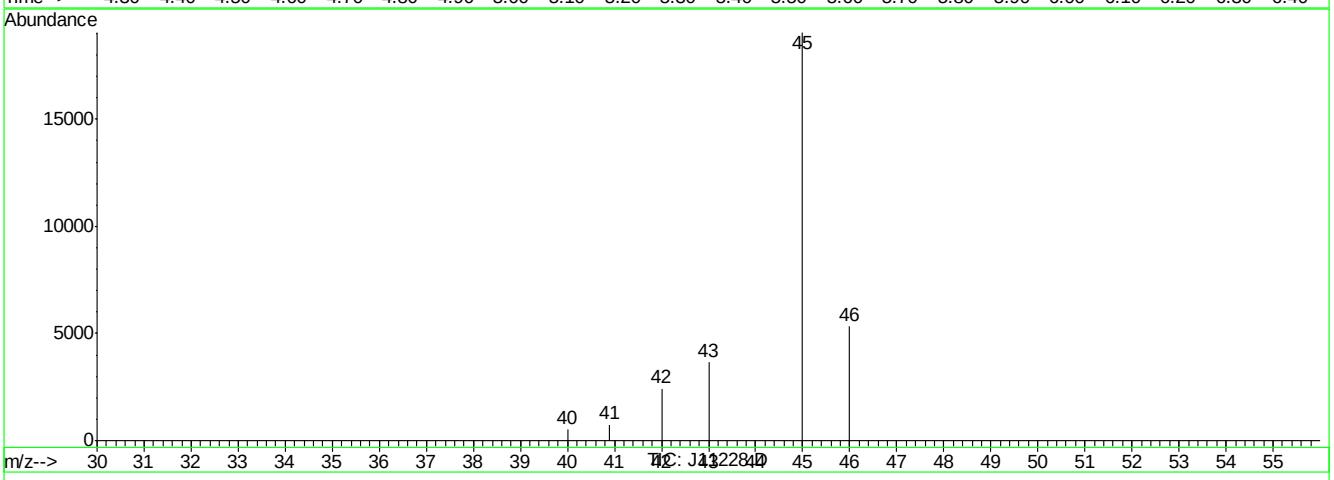
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11228.D Vial: 6
Acq On : 7 Sep 2007 12:33 pm Operator: PhilipB
Sample : M67493-1 Inst : MSJ
Misc : MS14255, MSJ590,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 14:04:35 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:10:25 2007
Response via : Multiple Level Calibration





(16) ETHANOL (m)

5.35min 27.42PPBV m

response 110909

Ion	Exp%	Act%
45.00	100	100
46.00	34.00	13.63#
42.00	9.40	0.00
0.00	0.00	0.00

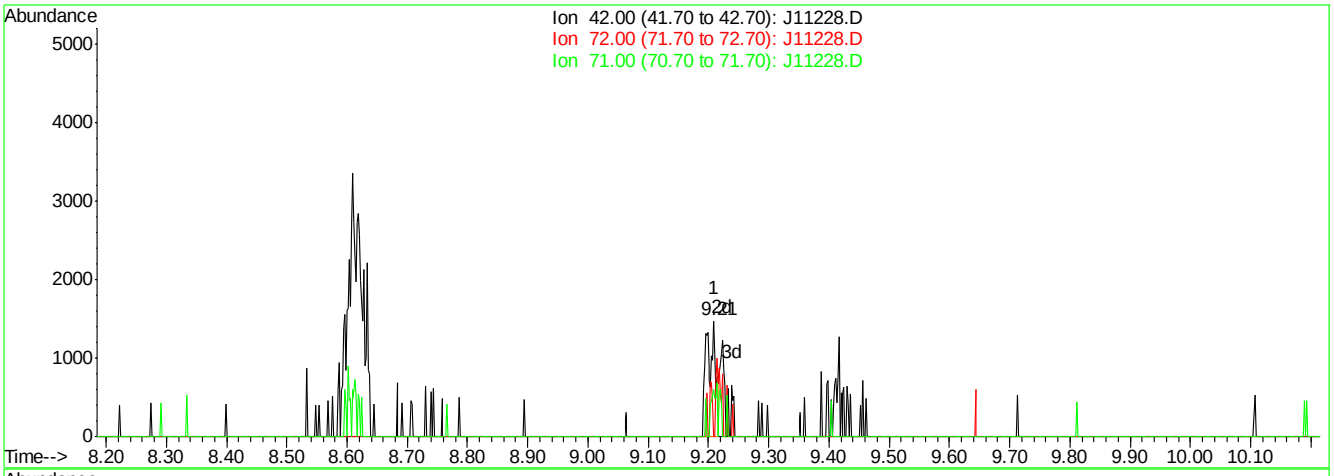
J11228.D J090607T.M Fri Sep 07 14:05:15 2007

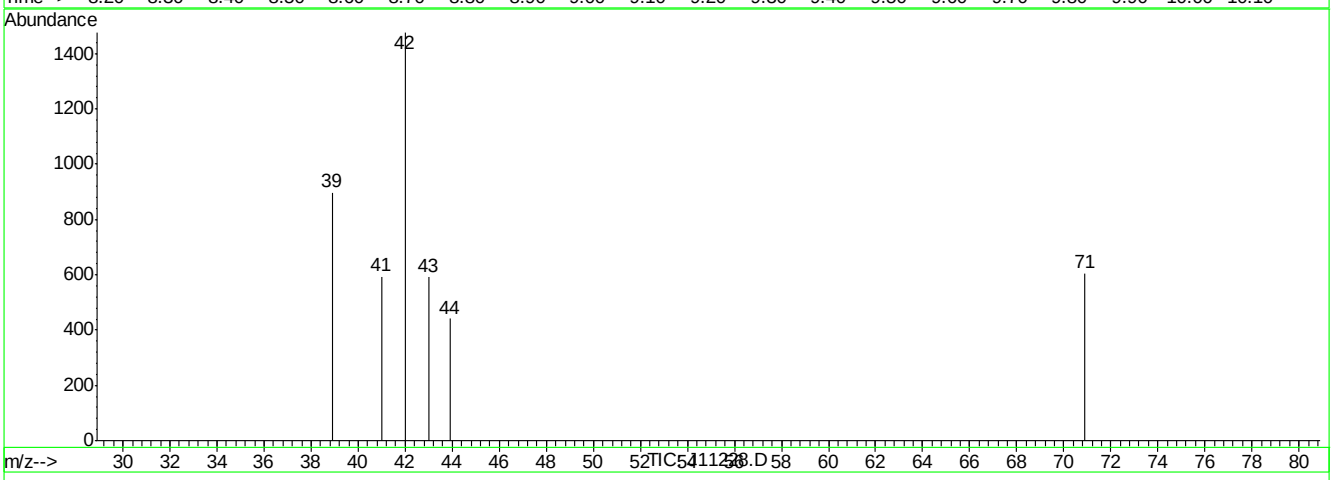
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11228.D Vial: 6
Acq On : 7 Sep 2007 12:33 pm Operator: PhilipB
Sample : M67493-1 Inst : MSJ
Misc : MS14255, MSJ590,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 14:04:35 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:10:25 2007
Response via : Multiple Level Calibration





(24) TETRAHYDROFURAN (m)

9.21min 0.16PPBV

response 1516

Ion	Exp%	Act%
42.00	100	100
72.00	45.60	52.64
71.00	46.90	25.66#
0.00	0.00	0.00

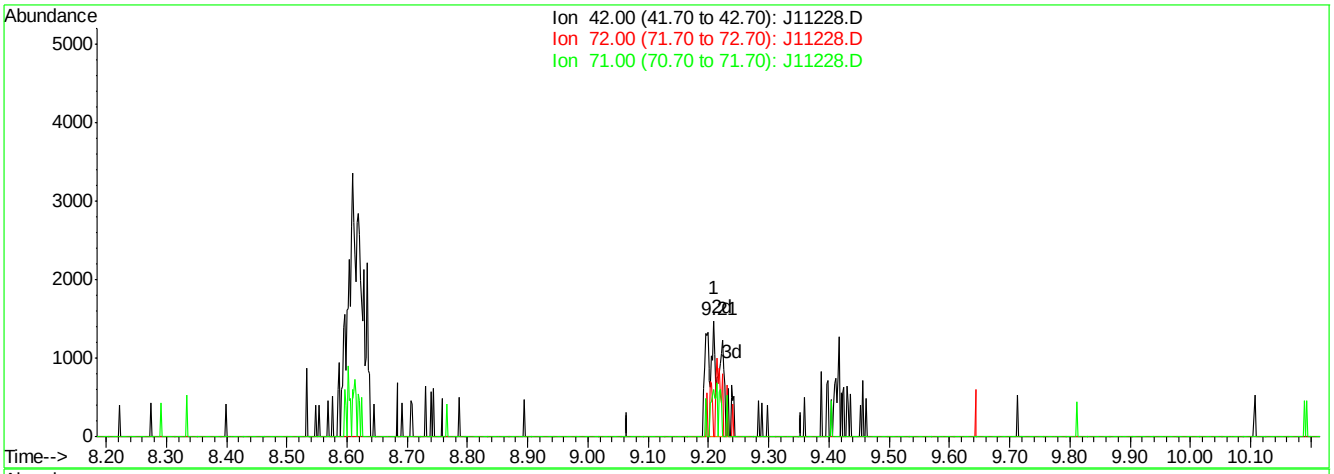
J11228.D J090607T.M Fri Sep 07 14:05:31 2007

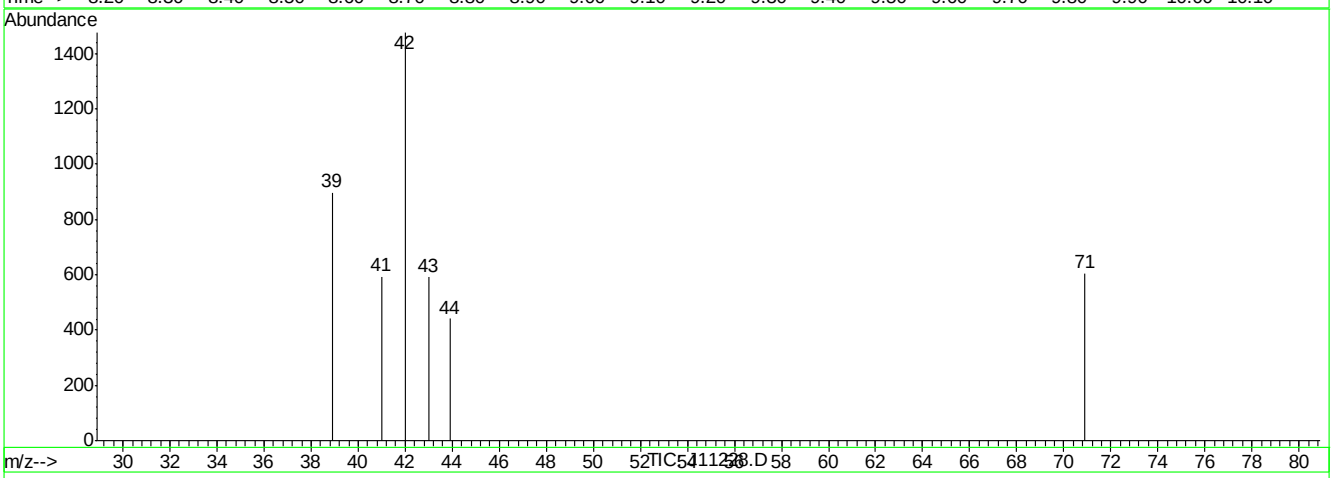
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11228.D Vial: 6
Acq On : 7 Sep 2007 12:33 pm Operator: PhilipB
Sample : M67493-1 Inst : MSJ
Misc : MS14255, MSJ590,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 14:04:35 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:10:25 2007
Response via : Multiple Level Calibration





(24) TETRAHYDROFURAN (m)

9.21min 0.25PPBV m

response 2400

Ion	Exp%	Act%
42.00	100	100
72.00	45.60	33.25
71.00	46.90	16.21#
0.00	0.00	0.00

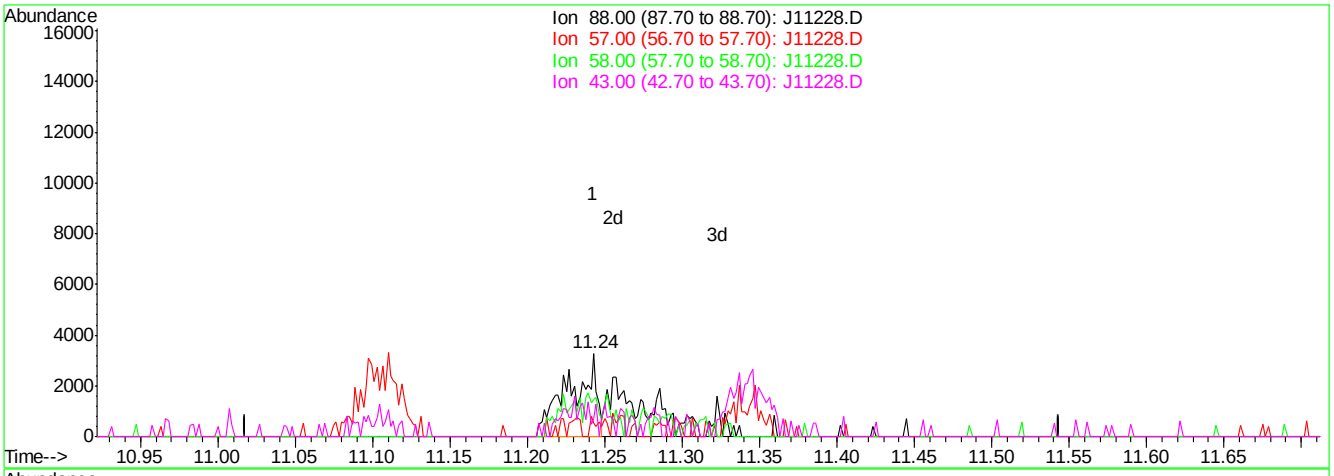
J11228.D J090607T.M Fri Sep 07 14:05:34 2007

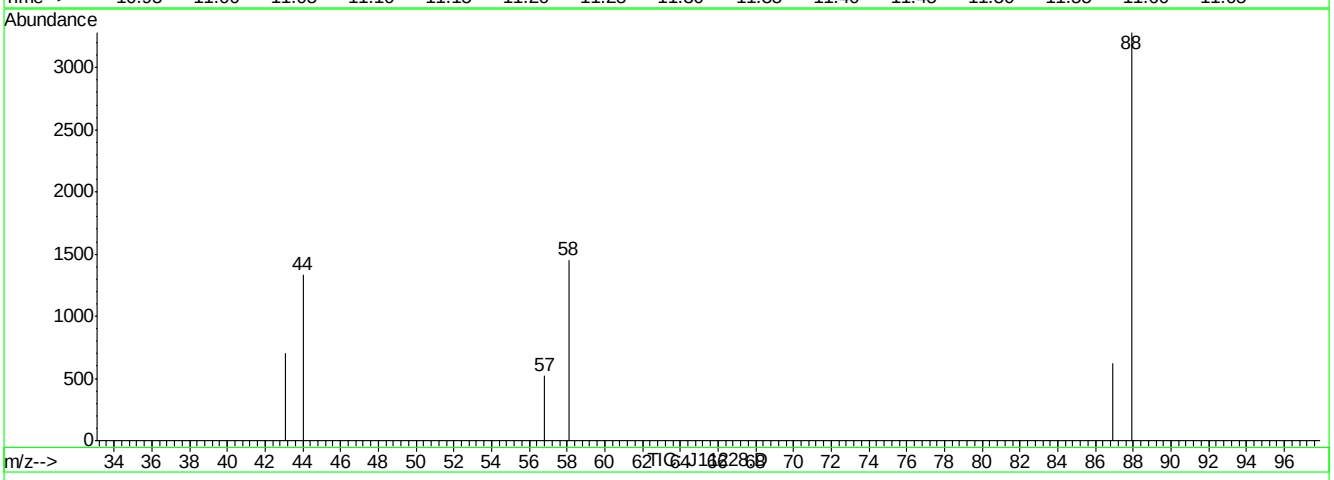
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11228.D Vial: 6
Acq On : 7 Sep 2007 12:33 pm Operator: PhilipB
Sample : M67493-1 Inst : MSJ
Misc : MS14255, MSJ590,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 14:04:35 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:10:25 2007
Response via : Multiple Level Calibration





(42) 1,4-DIOXANE (m)

11.24min 0.59PPBV

response 4041

Ion	Exp%	Act%
88.00	100	100
57.00	27.50	15.87
58.00	53.10	44.27
43.00	26.10	21.33

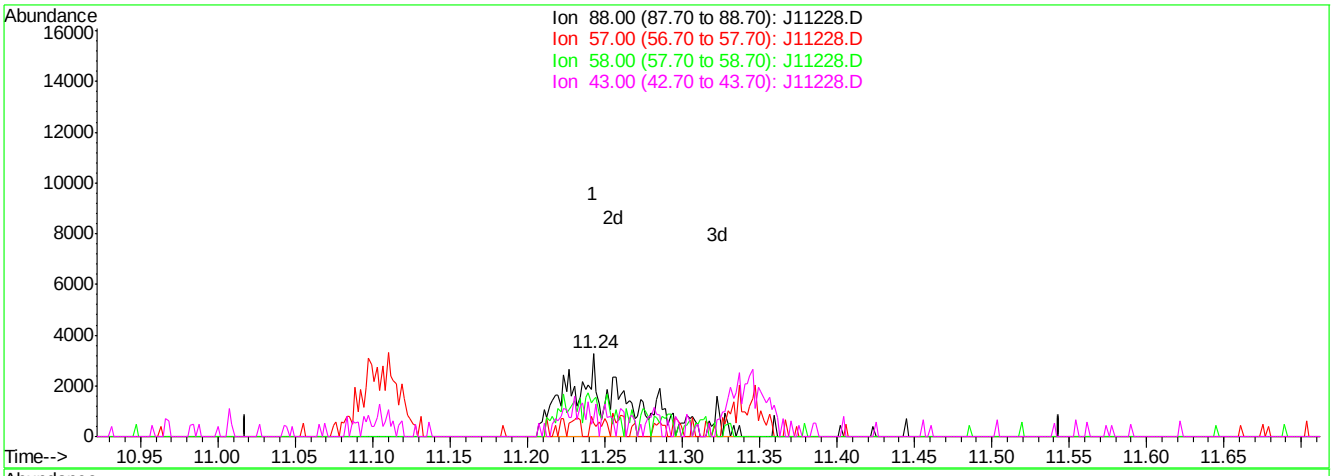
J11228.D J090607T.M Fri Sep 07 14:06:18 2007

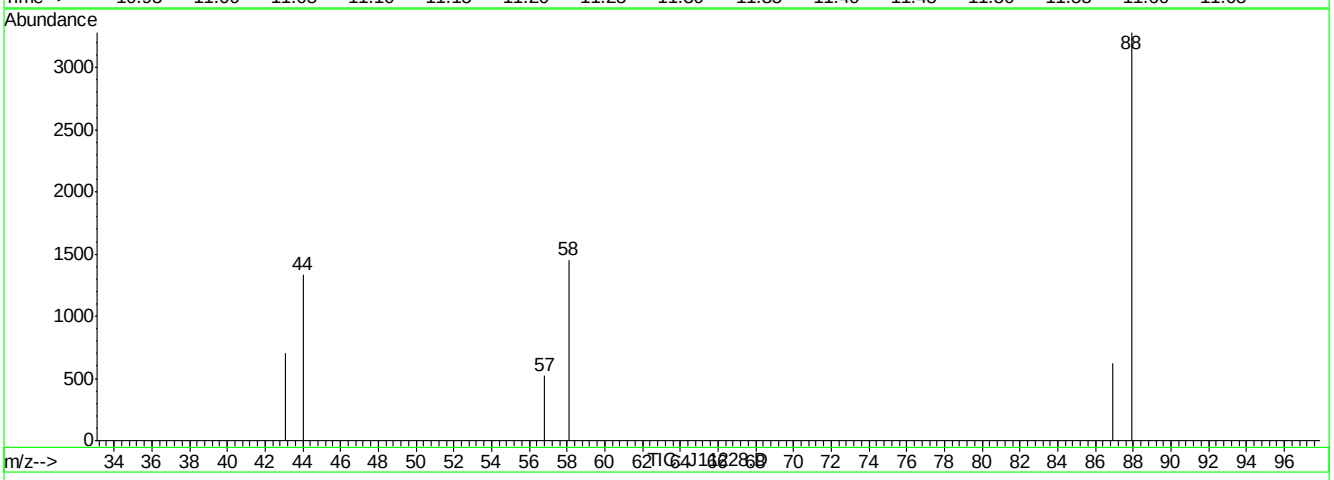
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11228.D Vial: 6
Acq On : 7 Sep 2007 12:33 pm Operator: PhilipB
Sample : M67493-1 Inst : MSJ
Misc : MS14255, MSJ590,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 14:04:35 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:10:25 2007
Response via : Multiple Level Calibration





(42) 1,4-DIOXANE (m)

11.24min 1.28PPBV m

response 8752

Ion	Exp%	Act%
88.00	100	100
57.00	27.50	15.87
58.00	53.10	44.27
43.00	26.10	21.33

J11228.D J090607T.M Fri Sep 07 14:06:22 2007

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
09/10/07 16:13

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J11229.D
Acq On : 7 Sep 2007 1:24 pm
Operator : PhilipB
Sample : M67493-2
Misc : MS14255, MSJ590,,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 07 14:11:34 2007
Quant Method : C:\MSDCHEM\1\METHODS\J090607T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Sep 07 11:10:25 2007
Response via : Initial Calibration

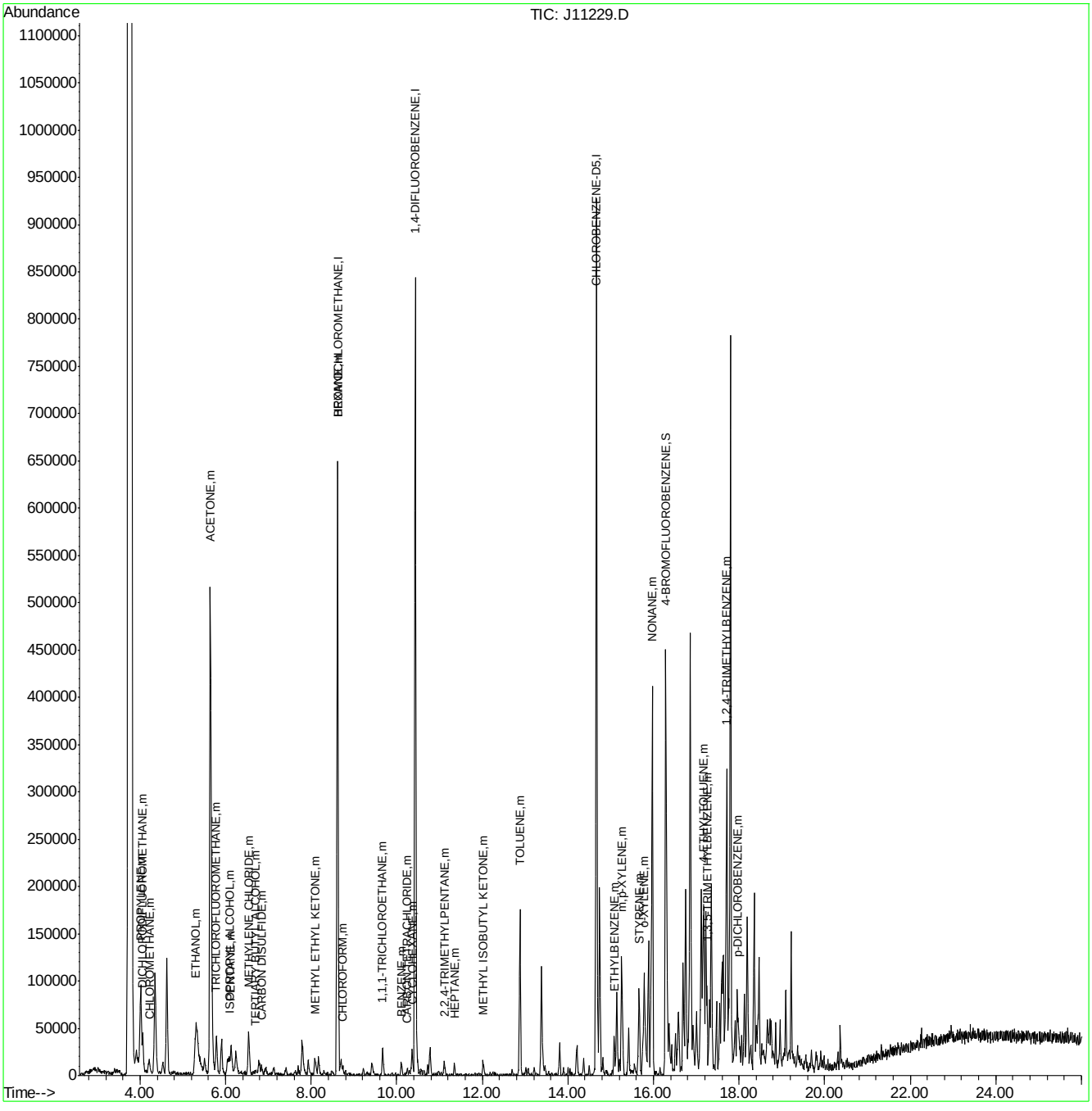
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	163217	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.43	114	592116	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.66	117	457510	10.00	PPBV	-0.01
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.29	95	132723	5.71	PPBV	-0.01
Spiked Amount 5.000	Range 51 - 142		Recovery = 114.20%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.06	85	48022	0.64	PPBV	99
3) PROPYLENE	4.01	41	29657	2.78	PPBV #	42
5) CHLOROMETHANE	4.23	50	8850m	0.71	PPBV	
10) TRICHLOROFLUOROMETHANE	5.79	101	41591	0.54	PPBV	96
11) ISOPROPYL ALCOHOL	6.09	45	84233m	4.52	PPBV	
12) ACETONE	5.64	43	801539	41.59	PPBV	87
13) PENTANE	6.12	42	10201	0.80	PPBV #	77
15) CARBON DISULFIDE	6.83	76	13772	0.29	PPBV	81
16) ETHANOL	5.31	45	177043m	50.36	PPBV	
18) METHYLENE CHLORIDE	6.54	84	14159	1.17	PPBV	98
22) TERTIARY BUTYL ALCOHOL	6.70	59	14343m	0.54	PPBV	
25) HEXANE	8.62	57	16762	0.85	PPBV	89
28) METHYL ETHYL KETONE	8.09	43	27430	1.49	PPBV	75
31) CHLOROFORM	8.74	83	4234m	0.11	PPBV	
32) 1,1,1-TRICHLOROETHANE	9.67	97	19051	0.40	PPBV	98
33) CARBON TETRACHLORIDE	10.25	117	4940	0.09	PPBV	89
36) BENZENE	10.11	78	11588	0.40	PPBV	73
37) CYCLOHEXANE	10.35	84	7648	0.50	PPBV #	70
41) 2,2,4-TRIMETHYLPENTANE	11.11	57	9467	0.21	PPBV	89
43) HEPTANE	11.34	43	4787m	0.32	PPBV	
44) METHYL ISOBUTYL KETONE	12.02	43	6266m	0.36	PPBV	
46) TOLUENE	12.88	92	68551	2.95	PPBV	99
55) ETHYLBENZENE	15.09	91	31092	0.68	PPBV	94
56) m,p-XYLENE	15.26	106	25271	1.51	PPBV	83
57) o-XYLENE	15.78	106	25537	1.47	PPBV #	81
58) STYRENE	15.66	104	12150	0.58	PPBV	90
59) NONANE	15.97	43	138029	7.76	PPBV	99
65) 4-ETHYLTOLUENE	17.17	105	50481	1.07	PPBV	97
66) 1,3,5-TRIMETHYLBENZENE	17.25	105	43415	1.02	PPBV	90
67) 1,2,4-TRIMETHYLBENZENE	17.72	105	139710	3.58	PPBV	92
70) p-DICHLOROBENZENE	17.97	146	6483	0.31	PPBV #	74

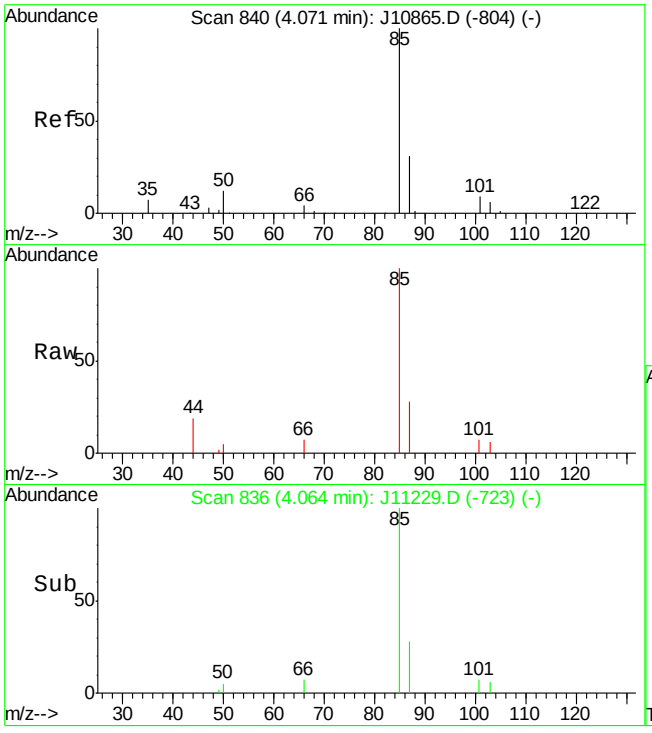
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J11229.D
Acq On : 7 Sep 2007 1:24 pm
Operator : PhilipB
Sample : M67493-2
Misc : MS14255, MSJ590,,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 07 14:11:34 2007
Quant Method : C:\MSDCHEM\1\METHODS\J090607T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Sep 07 11:10:25 2007
Response via : Initial Calibration

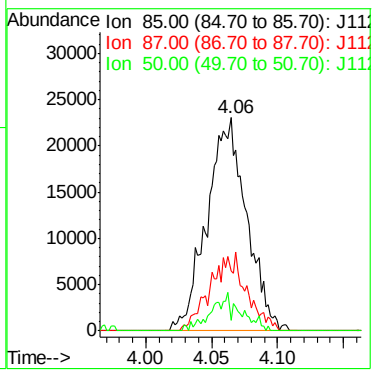


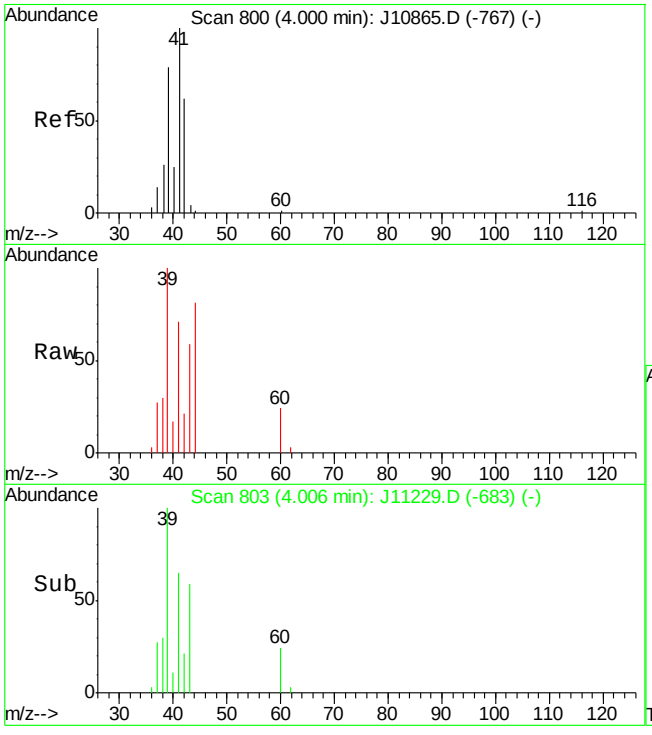


#2
DICHLORODIFLUOROMETHANE
Concen: 0.64 PPBV
RT: 4.06 min Scan# 836
Delta R.T. -0.01 min
Lab File: J11229.D
Acq: 7 Sep 2007 1:24 pm

Tgt Ion: 85 Resp: 48022

Ion	Ratio	Lower	Upper
85	100		
87	33.2	12.9	52.9
50	12.9	0.0	32.5

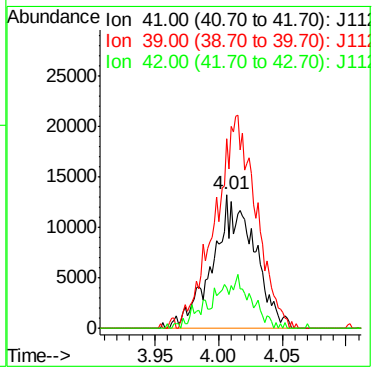


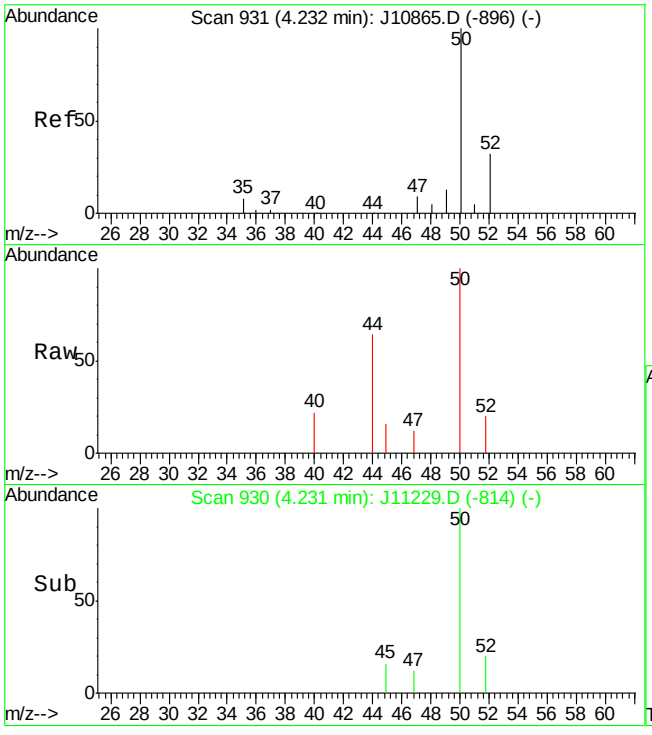


#3
PROPYLENE
Concen: 2.78 PPBV
RT: 4.01 min Scan# 803
Delta R.T. 0.01 min
Lab File: J11229.D
Acq: 7 Sep 2007 1:24 pm

Tgt Ion: 41 Resp: 29657

Ion	Ratio	Lower	Upper
41	100		
39	141.5	59.4	99.4#
42	30.1	42.3	82.3#

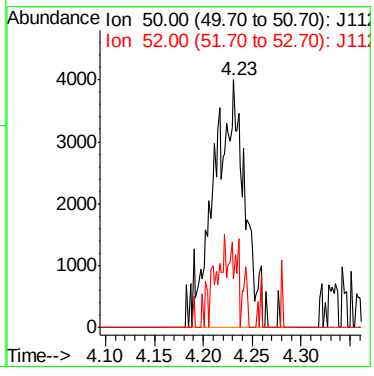


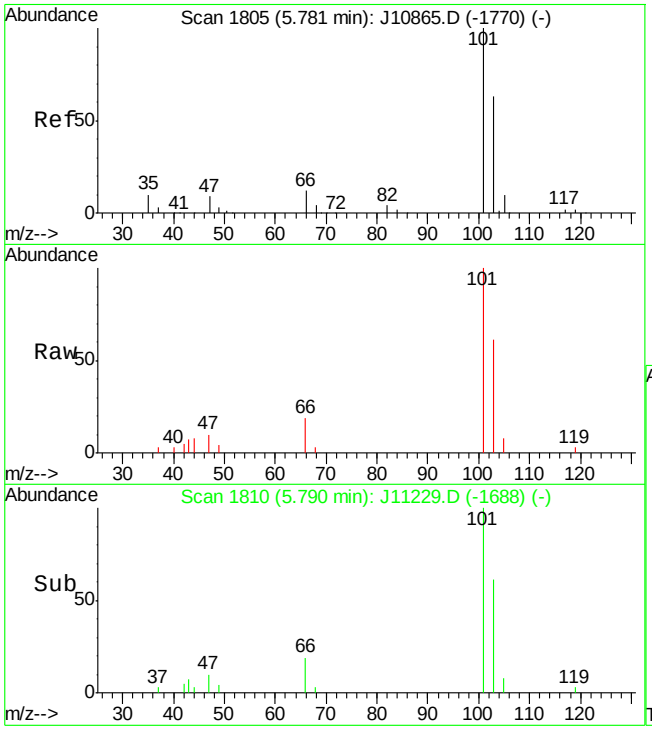


#5
CHLOROMETHANE
Concen: 0.71 PPBV m
RT: 4.23 min Scan# 930
Delta R.T. -0.00 min
Lab File: J11229.D
Acq: 7 Sep 2007 1:24 pm

Tgt Ion: 50 Resp: 8850

Ion	Ratio	Lower	Upper
50	100		
52	19.5	12.6	52.6

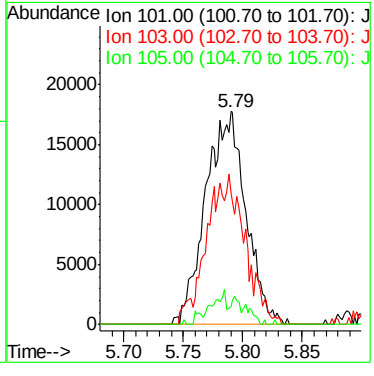


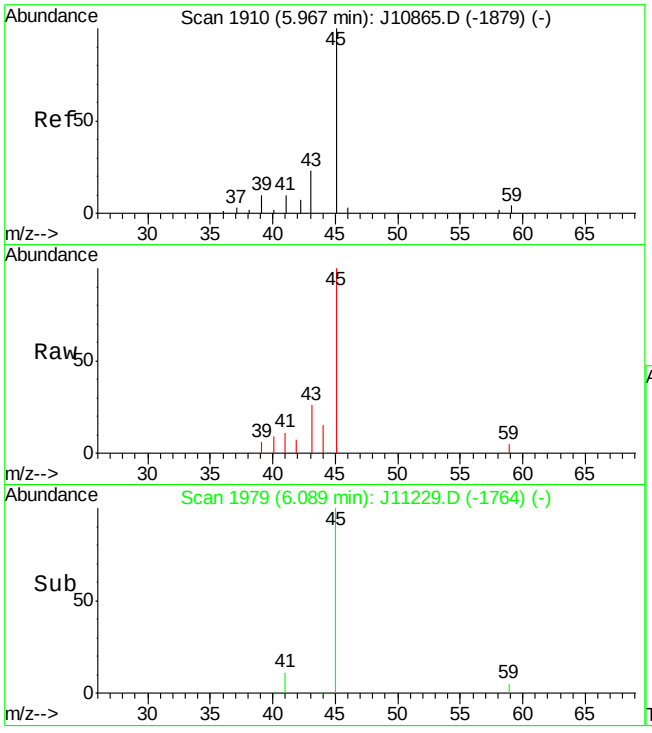


#10
TRICHLOROFLUOROMETHANE
Concen: 0.54 PPBV
RT: 5.79 min Scan# 1810
Delta R.T. 0.01 min
Lab File: J11229.D
Acq: 7 Sep 2007 1:24 pm

Tgt Ion:101 Resp: 41591

Ion	Ratio	Lower	Upper
101	100		
103	67.8	44.8	84.8
105	11.5	0.0	30.6

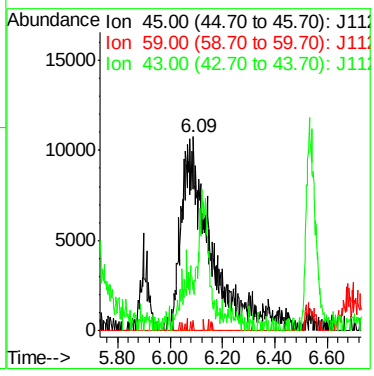


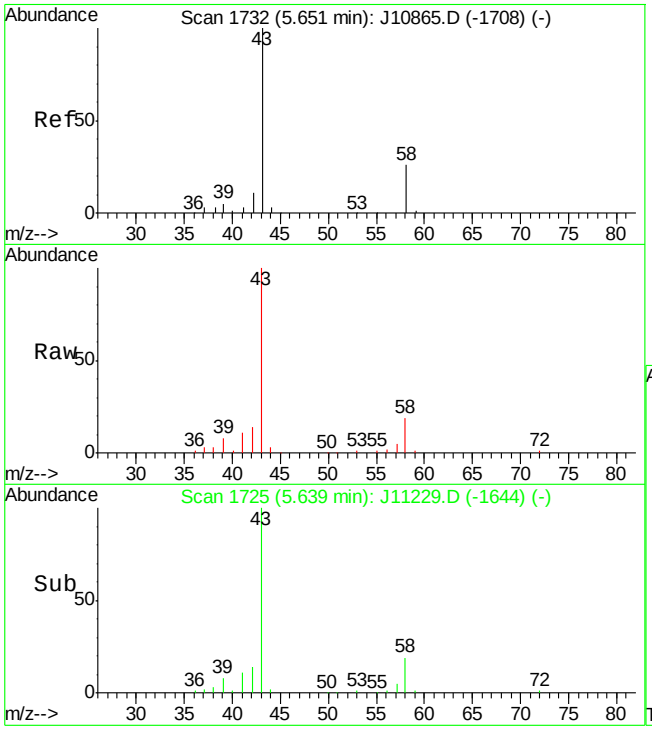


#11
ISOPROPYL ALCOHOL
Concen: 4.52 PPBV m
RT: 6.09 min Scan# 1979
Delta R.T. 0.12 min
Lab File: J11229.D
Acq: 7 Sep 2007 1:24 pm

Tgt Ion: 45 Resp: 84233

Ion	Ratio	Lower	Upper
45	100		
59	5.0	0.0	23.6
43	25.6	4.2	44.2

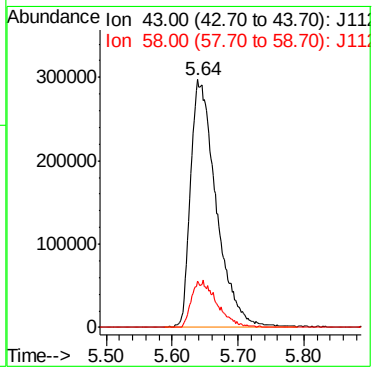


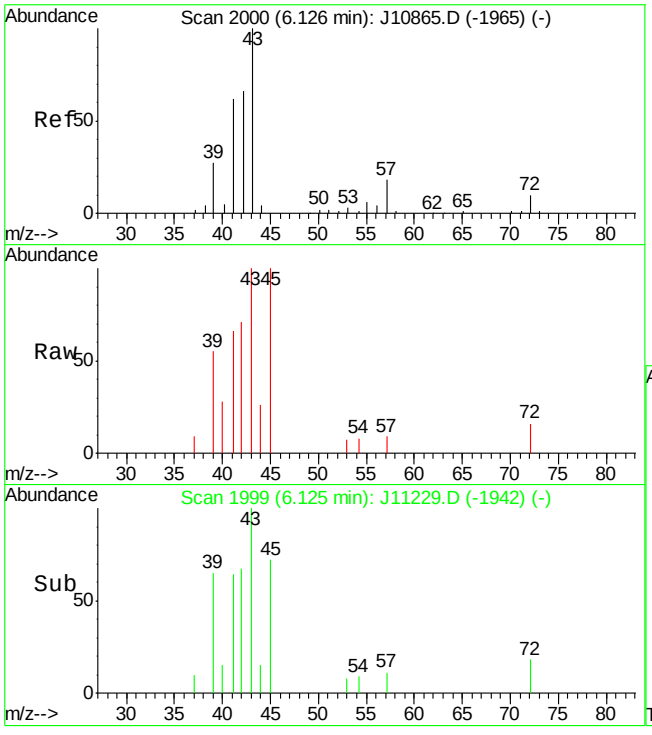


#12
ACETONE
Concen: 41.59 PPBV
RT: 5.64 min Scan# 1725
Delta R.T. -0.01 min
Lab File: J11229.D
Acq: 7 Sep 2007 1:24 pm

Tgt Ion: 43 Resp: 801539

Ion	Ratio	Lower	Upper
43	100		
58	18.8	5.6	45.6

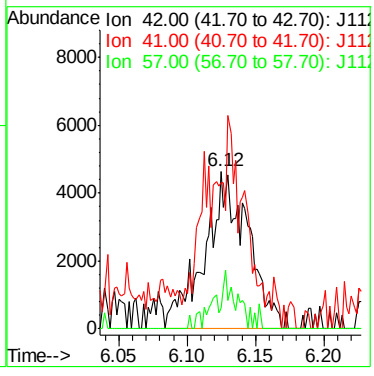


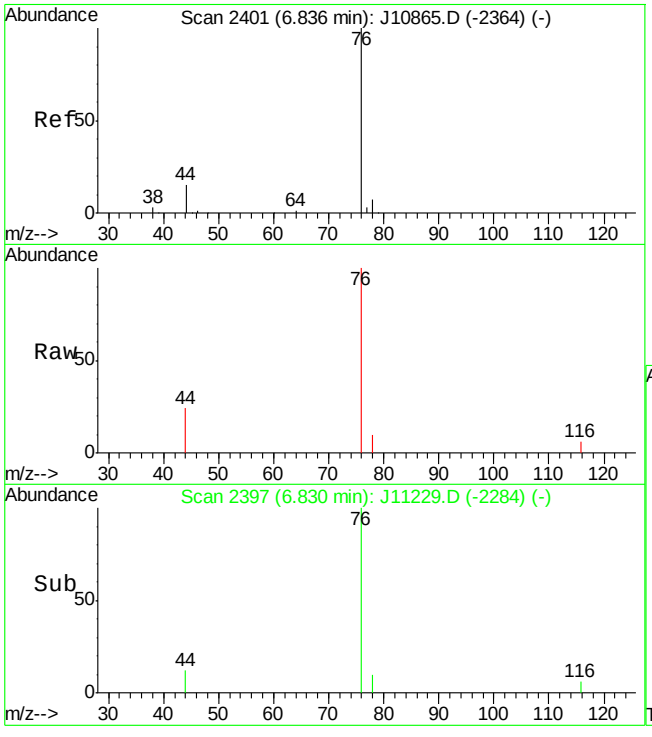


#13
PENTANE
Concen: 0.80 PPBV
RT: 6.12 min Scan# 1999
Delta R.T. -0.00 min
Lab File: J11229.D
Acq: 7 Sep 2007 1:24 pm

Tgt Ion: 42 Resp: 10201

Ion	Ratio	Lower	Upper
42	100		
41	71.3	76.6	116.6#
57	17.8	4.5	44.5

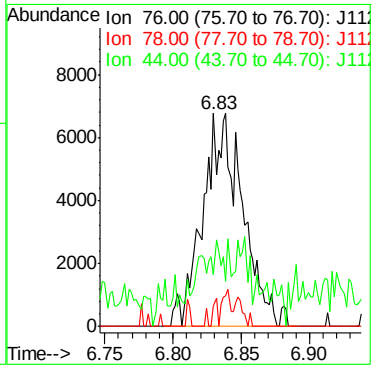


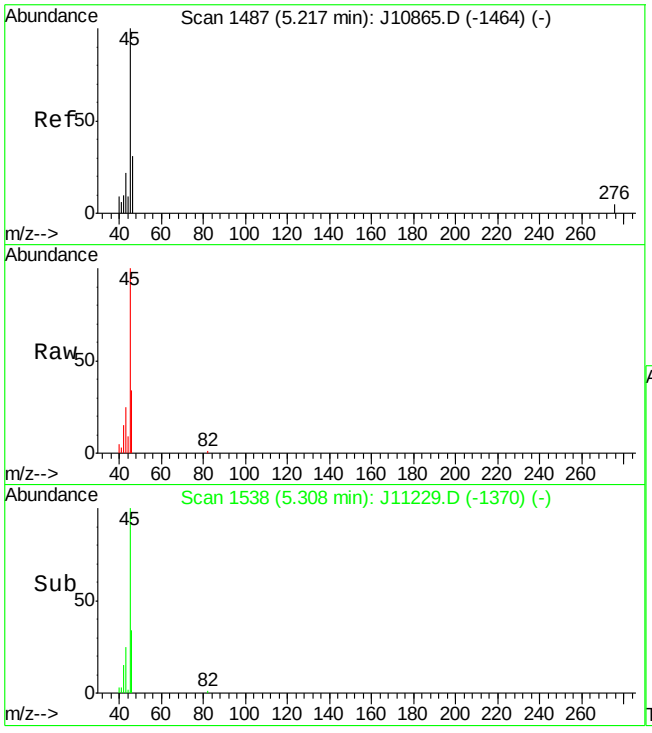


#15
CARBON DISULFIDE
Concen: 0.29 PPBV
RT: 6.83 min Scan# 2397
Delta R.T. -0.01 min
Lab File: J11229.D
Acq: 7 Sep 2007 1:24 pm

Tgt Ion: 76 Resp: 13772

Ion	Ratio	Lower	Upper
76	100		
78	1.1	0.0	29.6
44	9.4	0.0	36.2

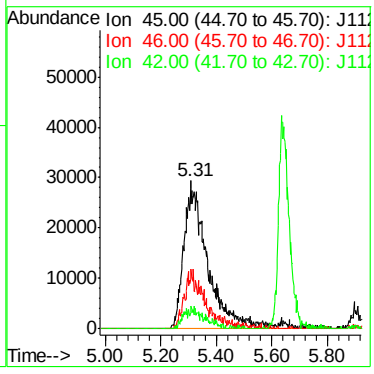


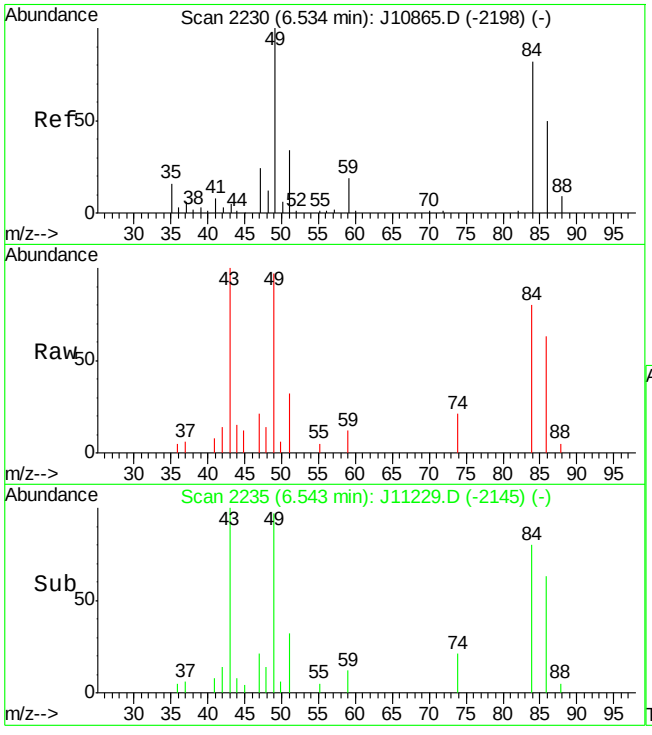


#16
ETHANOL
Concen: 50.36 PPBV m
RT: 5.31 min Scan# 1538
Delta R.T. 0.09 min
Lab File: J11229.D
Acq: 7 Sep 2007 1:24 pm

Tgt Ion: 45 Resp: 177043

Ion	Ratio	Lower	Upper
45	100		
46	0.0	14.0	54.0#
42	0.5	0.0	29.4

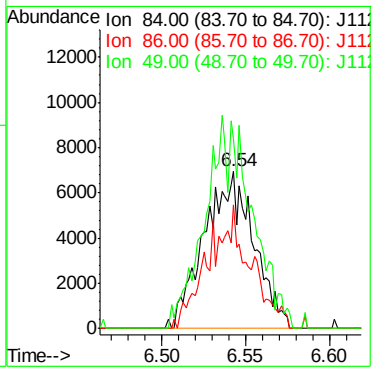


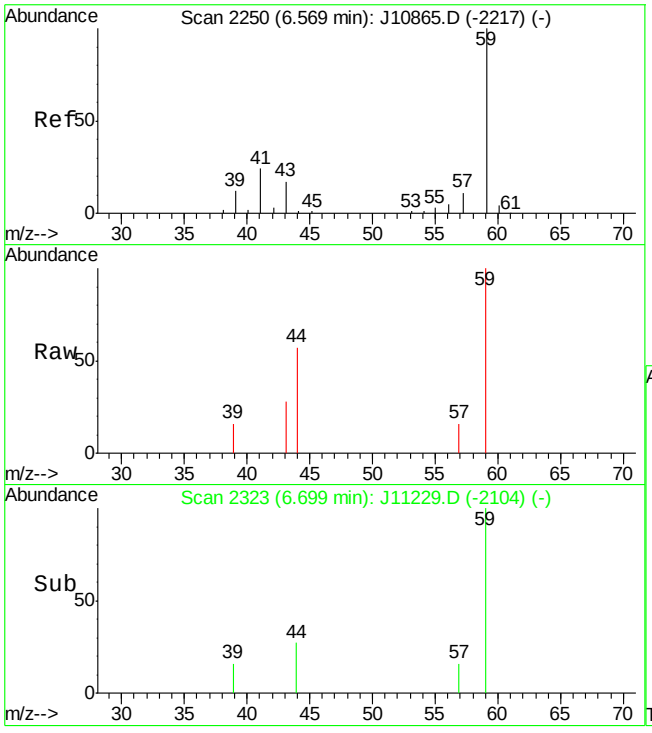


#18
METHYLENE CHLORIDE
Concen: 1.17 PPBV
RT: 6.54 min Scan# 2235
Delta R.T. 0.01 min
Lab File: J11229.D
Acq: 7 Sep 2007 1:24 pm

Tgt Ion: 84 Resp: 14159

Ion	Ratio	Lower	Upper
84	100		
86	66.9	44.2	84.2
49	129.0	0.0	327.7

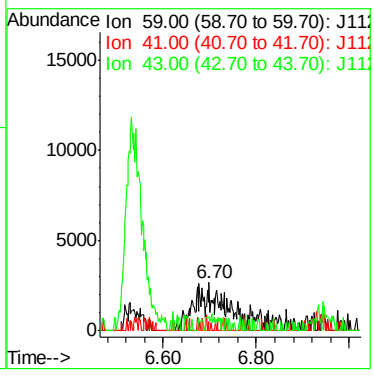


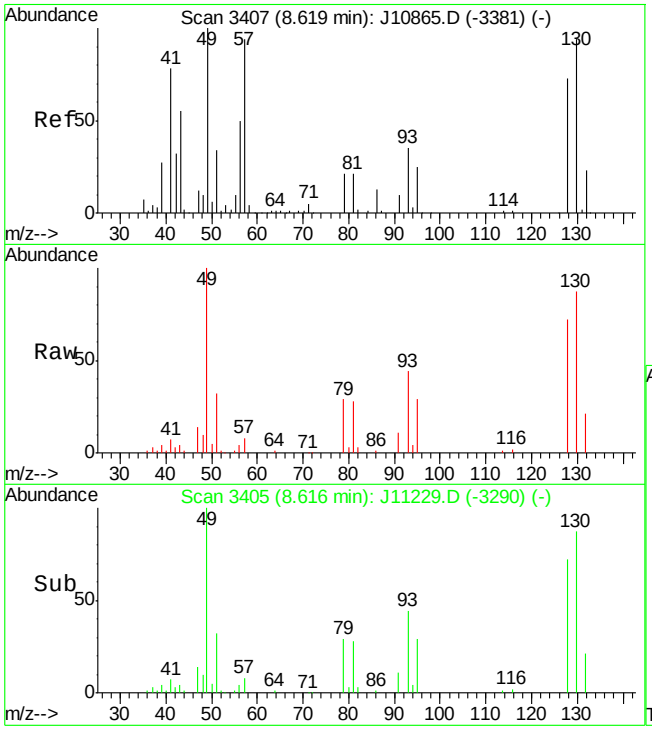


#22
TERTIARY BUTYL ALCOHOL
Concen: 0.54 PPBV m
RT: 6.70 min Scan# 2323
Delta R.T. 0.13 min
Lab File: J11229.D
Acq: 7 Sep 2007 1:24 pm

Tgt Ion: 59 Resp: 14343

Ion	Ratio	Lower	Upper
59	100		
41	0.0	3.8	43.8#
43	0.0	0.0	38.4

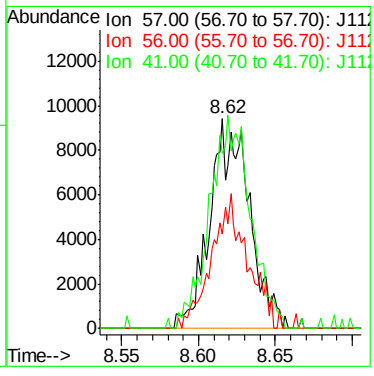


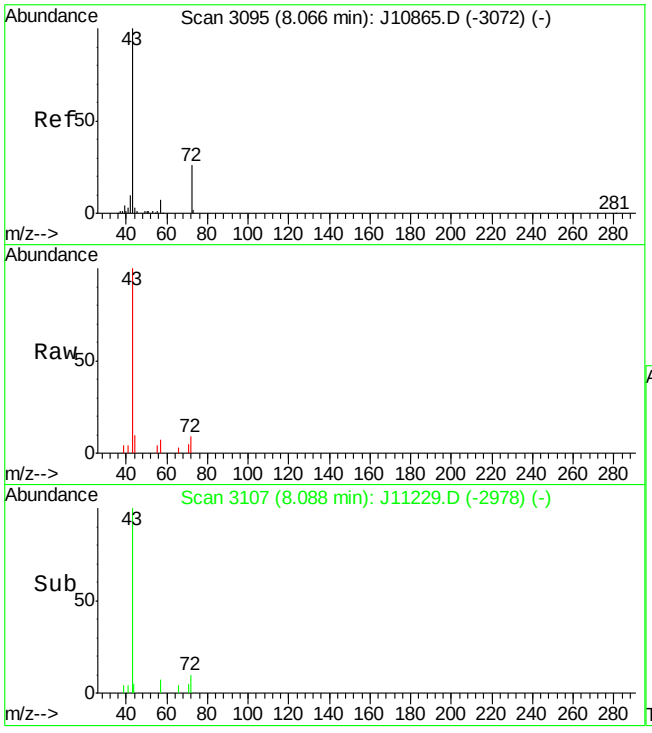


#25
HEXANE
Concen: 0.85 PPBV
RT: 8.62 min Scan# 3405
Delta R.T. -0.00 min
Lab File: J11229.D
Acq: 7 Sep 2007 1:24 pm

Tgt Ion: 57 Resp: 16762

Ion	Ratio	Lower	Upper
57	100		
56	57.8	38.5	78.5
41	104.6	68.1	108.1

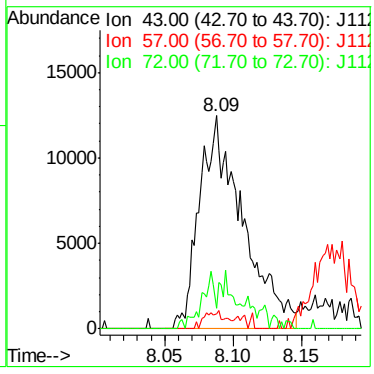


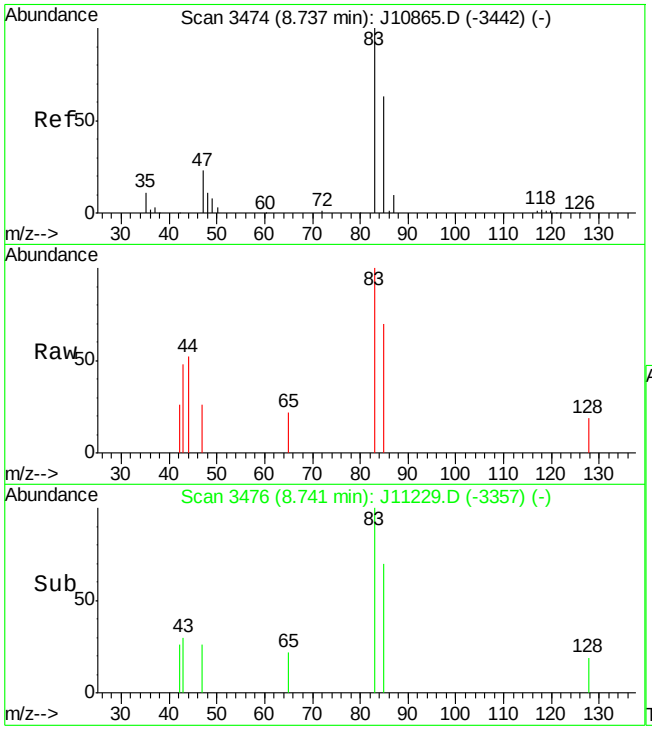


#28
METHYL ETHYL KETONE
Concen: 1.49 PPBV
RT: 8.09 min Scan# 3107
Delta R.T. 0.02 min
Lab File: J11229.D
Acq: 7 Sep 2007 1:24 pm

Tgt Ion: 43 Resp: 27430

Ion	Ratio	Lower	Upper
43	100		
57	7.0	0.0	27.4
72	9.5	5.7	45.7

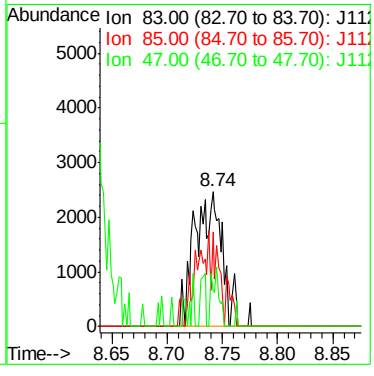


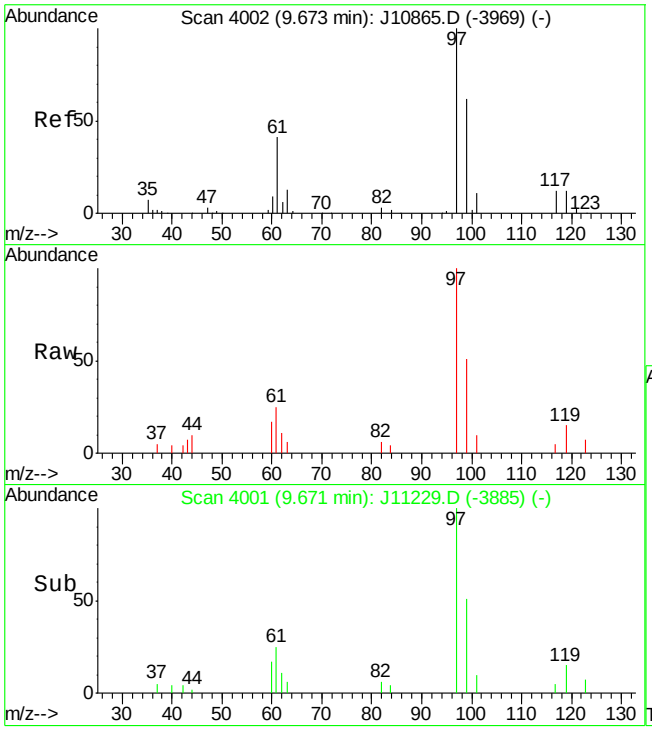


#31
CHLOROFORM
Concen: 0.11 PPBV m
RT: 8.74 min Scan# 3476
Delta R.T. 0.00 min
Lab File: J11229.D
Acq: 7 Sep 2007 1:24 pm

Tgt Ion: 83 Resp: 4234

Ion	Ratio	Lower	Upper
83	100		
85	57.9	44.3	84.3
47	0.0	4.3	44.3#

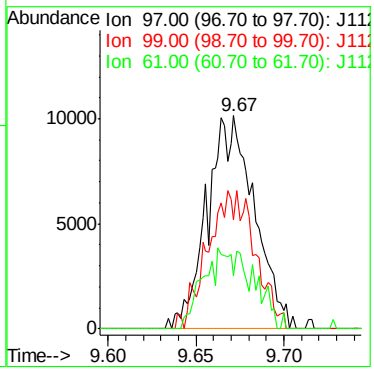


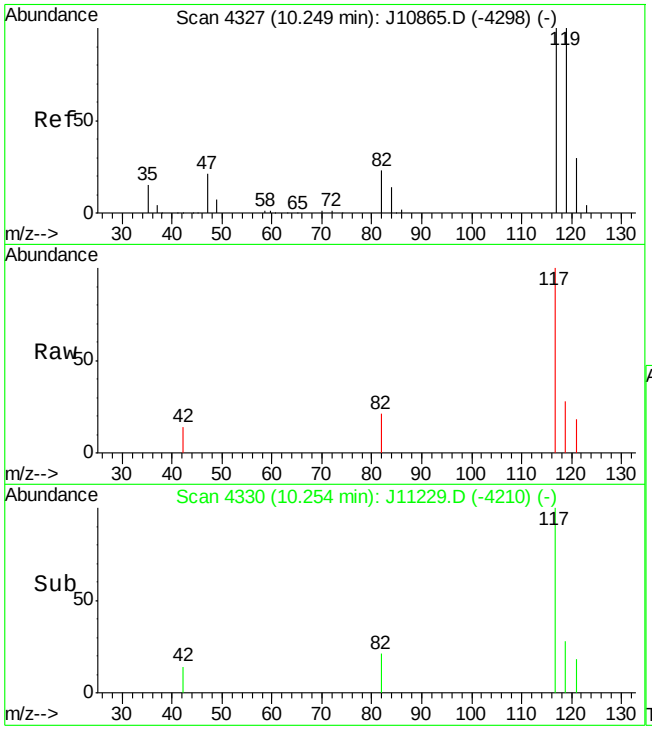


#32
1,1,1-TRICHLOROETHANE
Concen: 0.40 PPBV
RT: 9.67 min Scan# 4001
Delta R.T. -0.00 min
Lab File: J11229.D
Acq: 7 Sep 2007 1:24 pm

Tgt Ion: 97 Resp: 19051

Ion	Ratio	Lower	Upper
97	100		
99	64.4	44.6	84.6
61	39.2	22.4	62.4

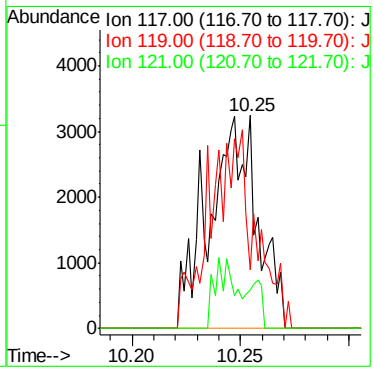


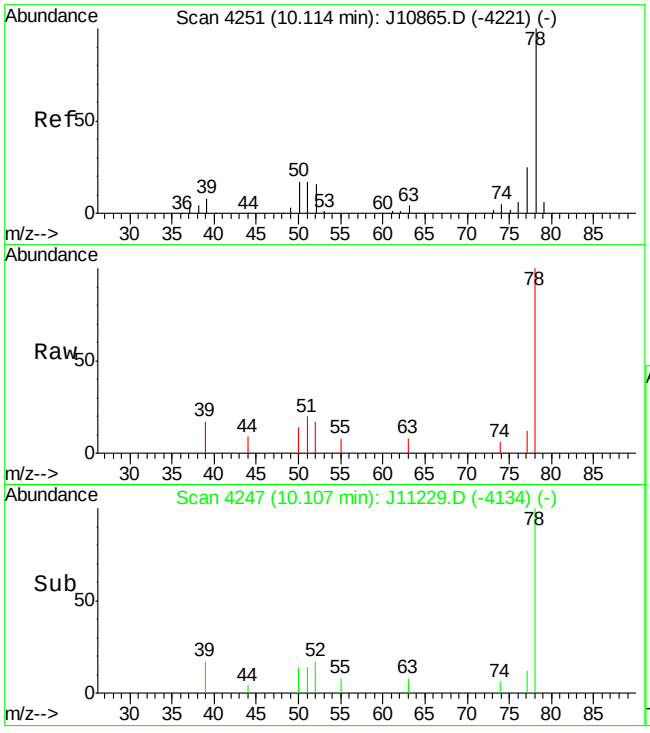


#33
CARBON TETRACHLORIDE
Concen: 0.09 PPBV
RT: 10.25 min Scan# 4330
Delta R.T. 0.01 min
Lab File: J11229.D
Acq: 7 Sep 2007 1:24 pm

Tgt Ion:117 Resp: 4940

Ion	Ratio	Lower	Upper
117	100		
119	89.3	77.4	117.4
121	20.4	11.0	51.0

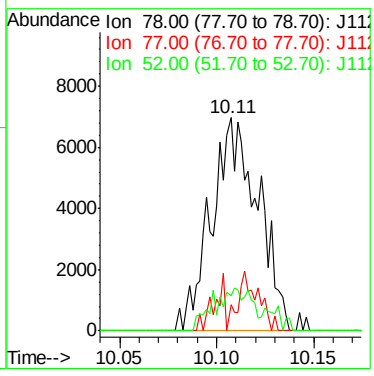


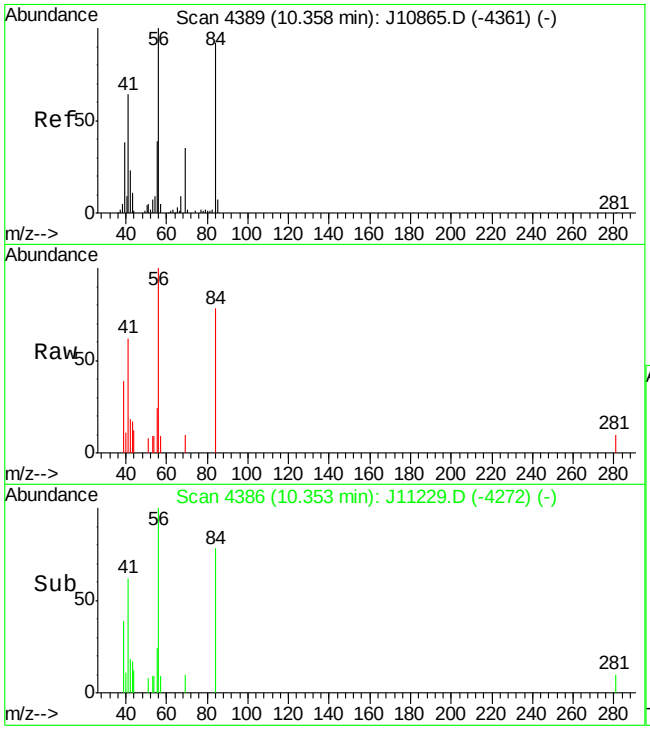


#36
BENZENE
Concen: 0.40 PPBV
RT: 10.11 min Scan# 4247
Delta R.T. -0.01 min
Lab File: J11229.D
Acq: 7 Sep 2007 1:24 pm

Tgt Ion: 78 Resp: 11588

Ion	Ratio	Lower	Upper
78	100		
77	6.0	4.3	44.3
52	20.3	0.0	35.7

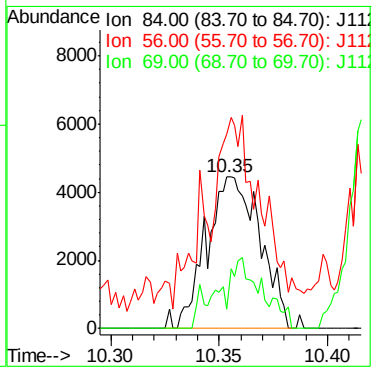


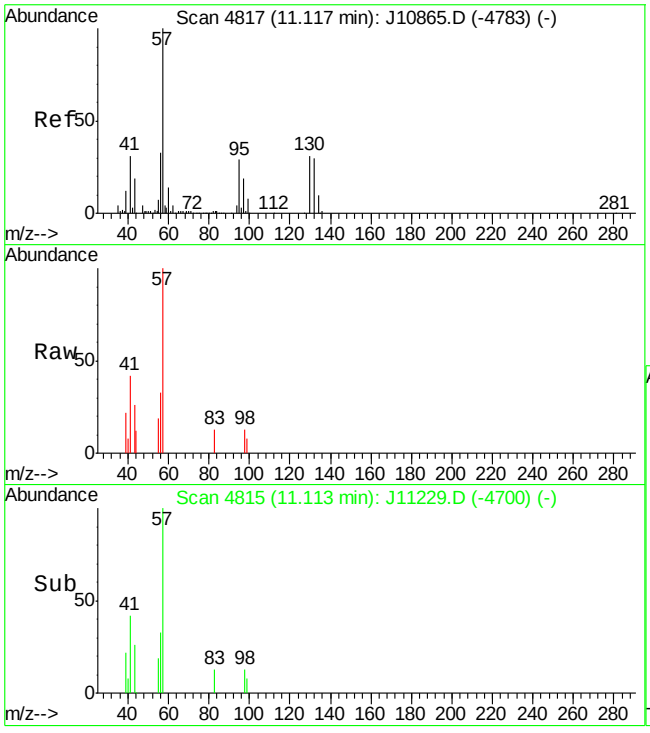


#37
CYCLOHEXANE
Concen: 0.50 PPBV
RT: 10.35 min Scan# 4386
Delta R.T. -0.00 min
Lab File: J11229.D
Acq: 7 Sep 2007 1:24 pm

Tgt Ion: 84 Resp: 7648

Ion	Ratio	Lower	Upper
84	100		
56	153.1	90.5	130.5#
69	37.8	17.7	57.7

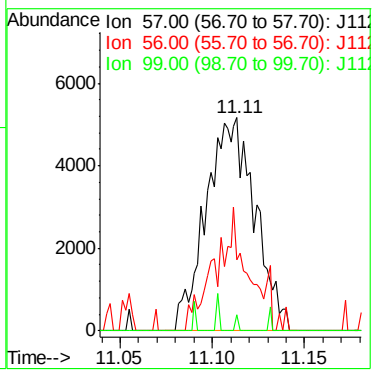


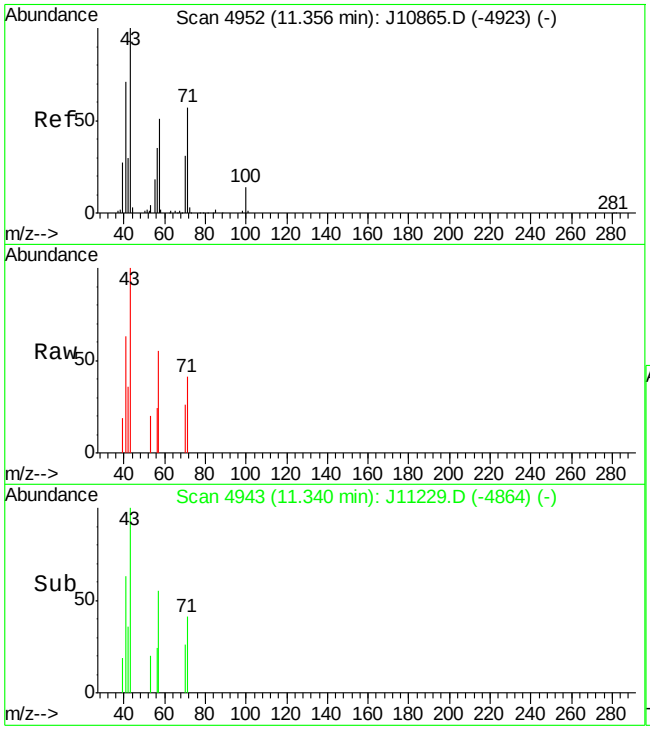


#41
2,2,4-TRIMETHYLPENTANE
Concen: 0.21 PPBV
RT: 11.11 min Scan# 4815
Delta R.T. -0.00 min
Lab File: J11229.D
Acq: 7 Sep 2007 1:24 pm

Tgt Ion: 57 Resp: 9467

Ion	Ratio	Lower	Upper
57	100		
56	40.1	15.1	55.1
99	0.5	0.0	28.4

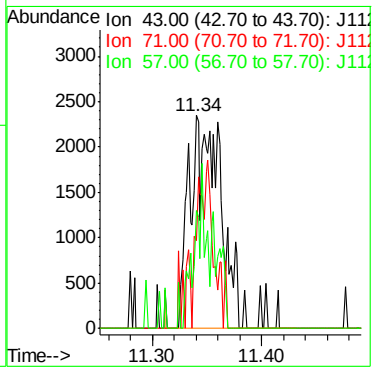


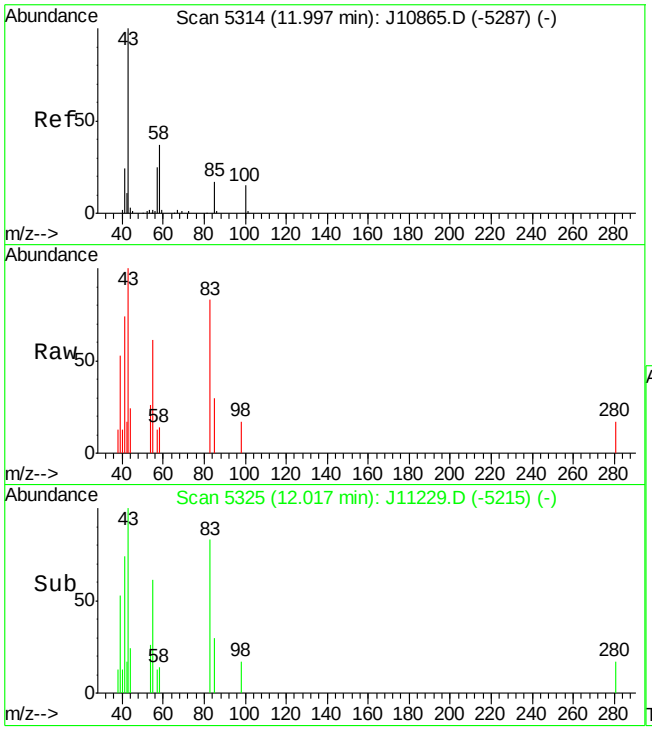


#43
HEPTANE
Concen: 0.32 PPBV m
RT: 11.34 min Scan# 4943
Delta R.T. -0.02 min
Lab File: J11229.D
Acq: 7 Sep 2007 1:24 pm

Tgt Ion: 43 Resp: 4787

Ion	Ratio	Lower	Upper
43	100		
71	0.0	37.3	77.3#
57	22.4	31.2	71.2#

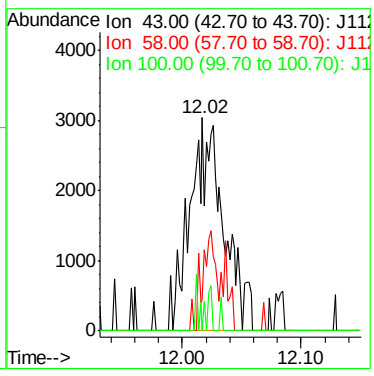


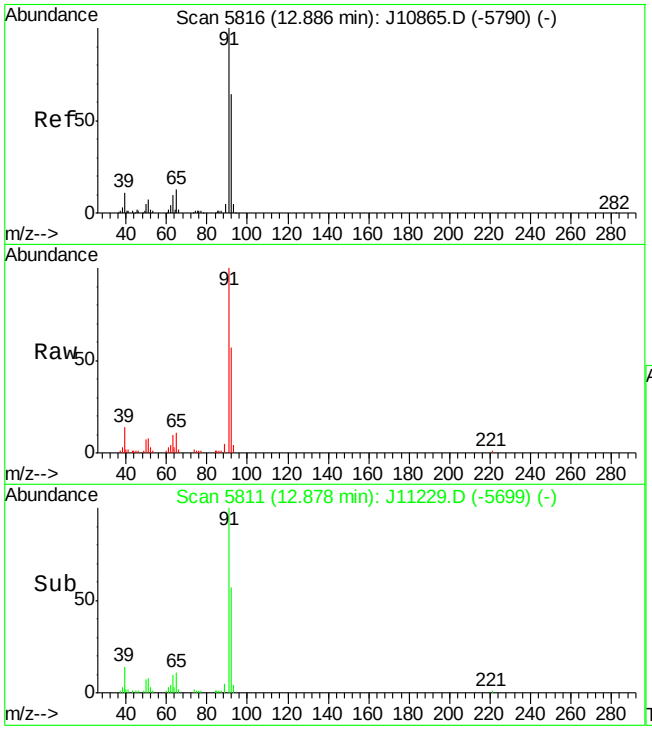


#44
METHYL ISOBUTYL KETONE
Concen: 0.36 PPBV m
RT: 12.02 min Scan# 5325
Delta R.T. 0.02 min
Lab File: J11229.D
Acq: 7 Sep 2007 1:24 pm

Tgt Ion: 43 Resp: 6266

Ion	Ratio	Lower	Upper
43	100		
58	16.7	17.6	57.6#
100	0.8	0.0	33.5

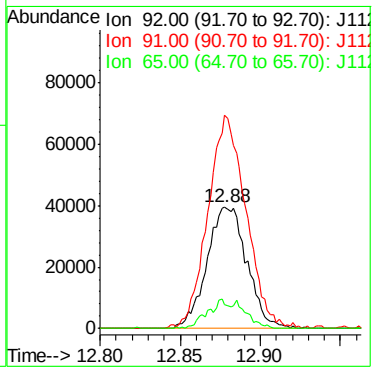


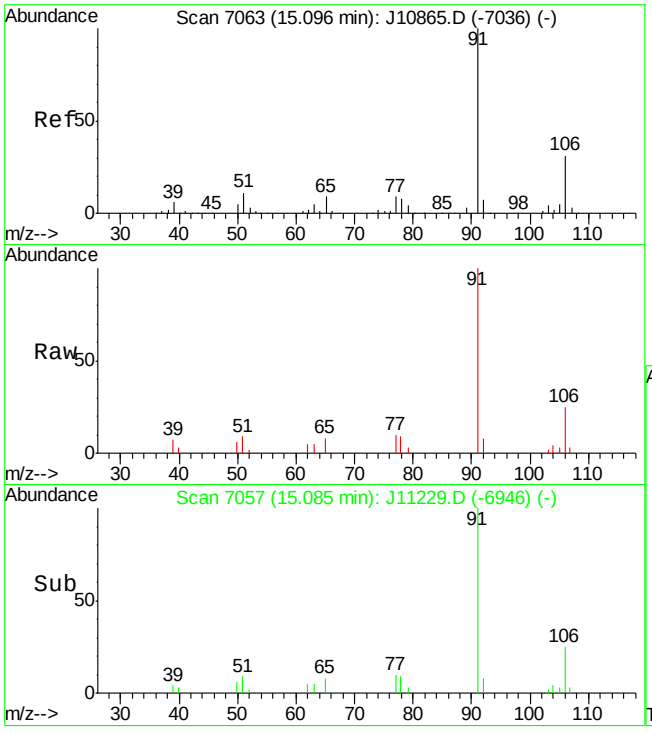


#46
TOLUENE
Concen: 2.95 PPBV
RT: 12.88 min Scan# 5811
Delta R.T. -0.01 min
Lab File: J11229.D
Acq: 7 Sep 2007 1:24 pm

Tgt Ion: 92 Resp: 68551

Ion	Ratio	Lower	Upper
92	100		
91	167.2	146.5	186.5
65	21.6	0.0	39.5

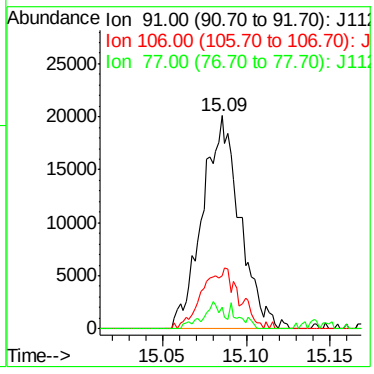


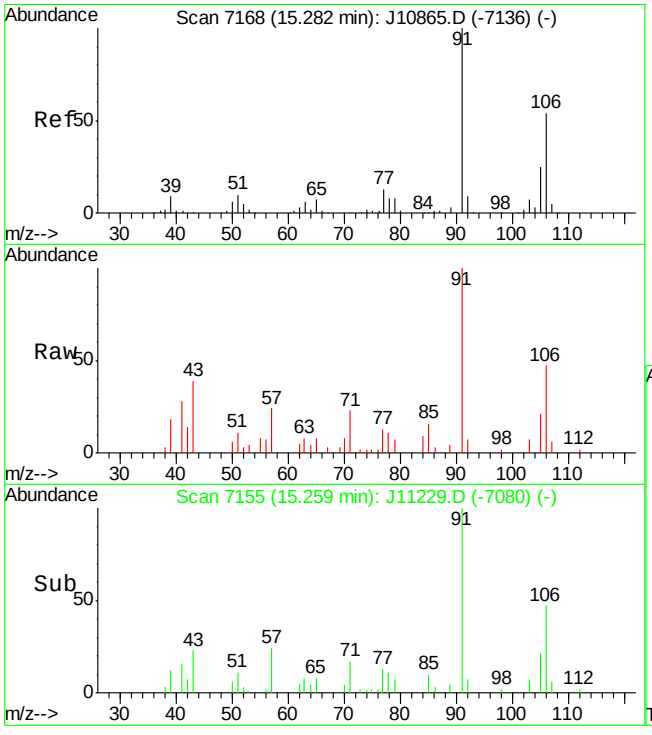


#55
ETHYLBENZENE
Concen: 0.68 PPBV
RT: 15.09 min Scan# 7057
Delta R.T. -0.01 min
Lab File: J11229.D
Acq: 7 Sep 2007 1:24 pm

Tgt Ion: 91 Resp: 31092

Ion	Ratio	Lower	Upper
91	100		
106	28.5	11.5	51.5
77	6.4	0.0	29.3

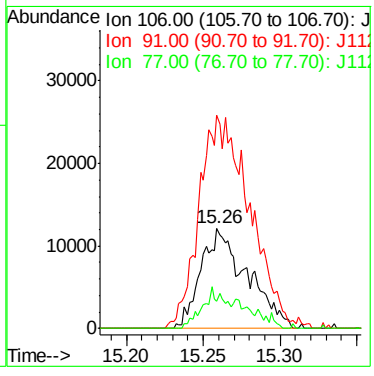


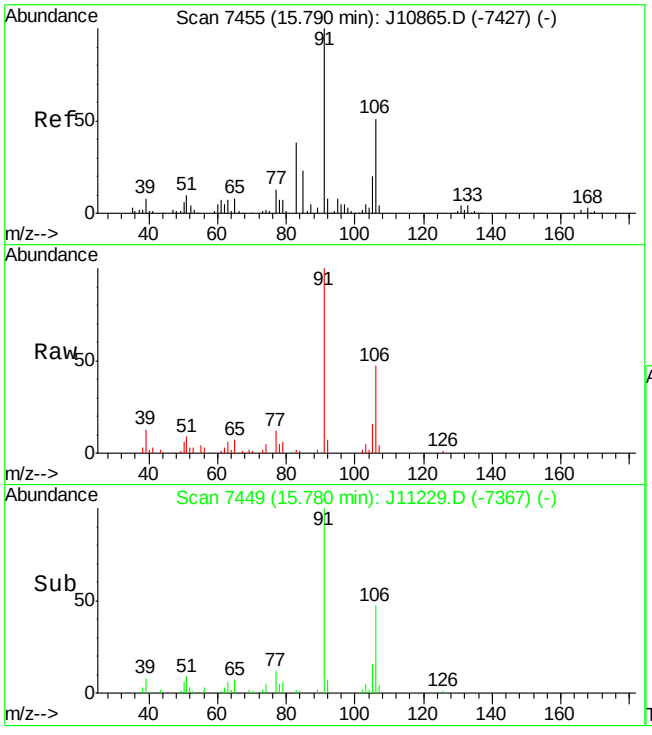


#56
m,p-XYLENE
Concen: 1.51 PPBV
RT: 15.26 min Scan# 7155
Delta R.T. -0.02 min
Lab File: J11229.D
Acq: 7 Sep 2007 1:24 pm

Tgt Ion:106 Resp: 25271

Ion	Ratio	Lower	Upper
106	100		
91	211.9	148.2	222.4
77	27.3	18.8	28.2

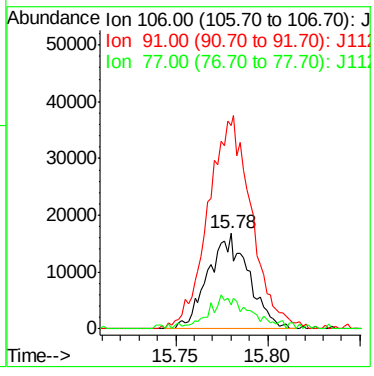


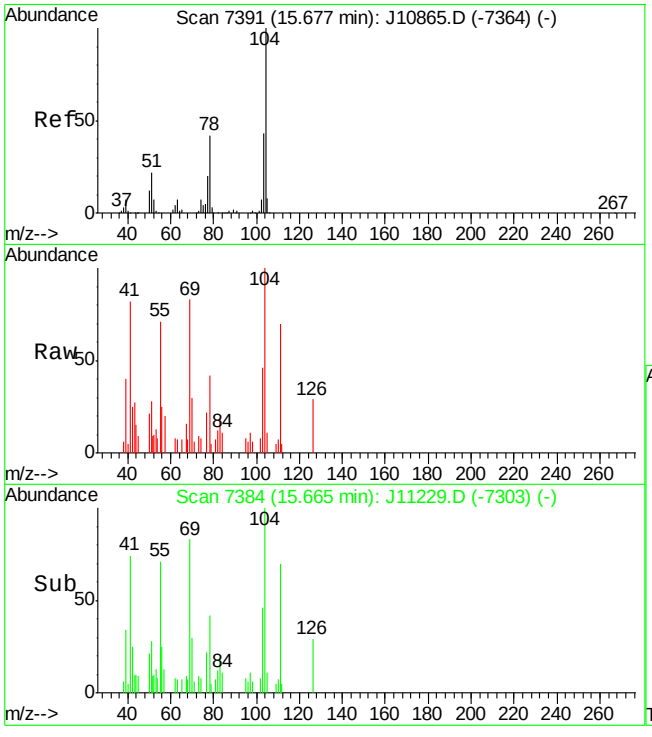


#57
o-XYLENE
Concen: 1.47 PPBV
RT: 15.78 min Scan# 7449
Delta R.T. -0.01 min
Lab File: J11229.D
Acq: 7 Sep 2007 1:24 pm

Tgt Ion:106 Resp: 25537

Ion	Ratio	Lower	Upper
106	100		
91	239.5	189.2	229.2#
77	36.4	7.0	47.0

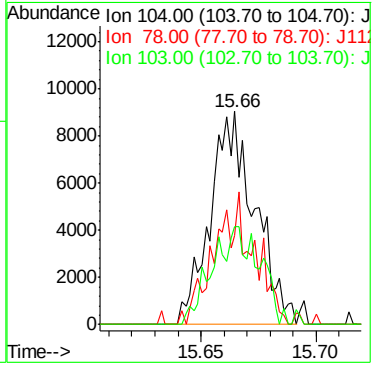


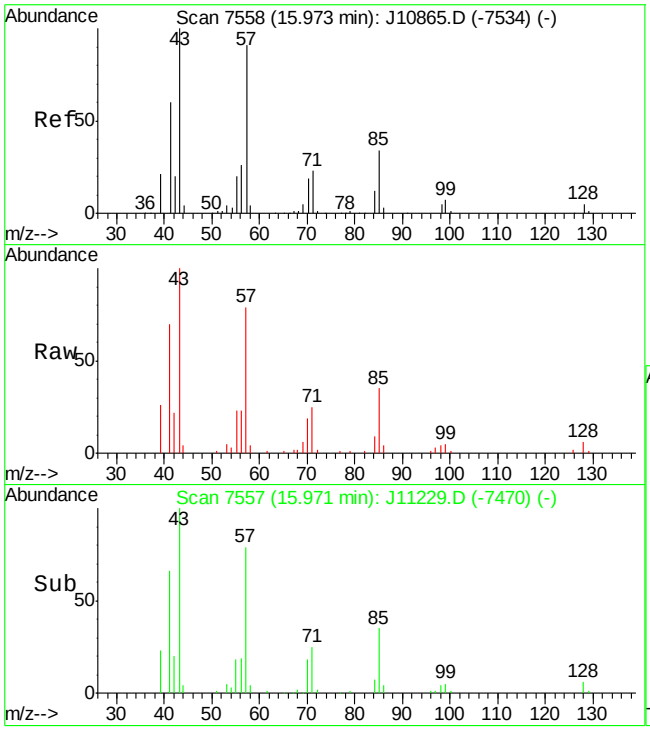


#58
STYRENE
Concen: 0.58 PPBV
RT: 15.66 min Scan# 7384
Delta R.T. -0.01 min
Lab File: J11229.D
Acq: 7 Sep 2007 1:24 pm

Tgt Ion:104 Resp: 12150

Ion	Ratio	Lower	Upper
104	100		
78	55.5	24.1	64.1
103	48.8	27.4	67.4

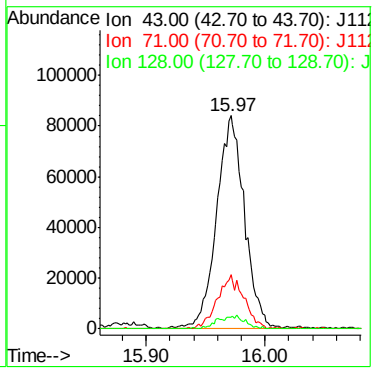


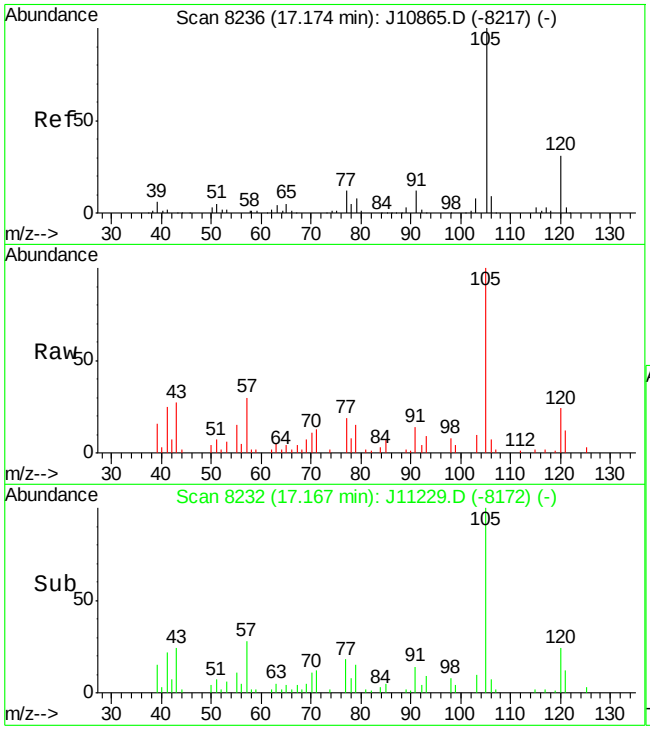


#59
NONANE
Concen: 7.76 PPBV
RT: 15.97 min Scan# 7557
Delta R.T. -0.00 min
Lab File: J11229.D
Acq: 7 Sep 2007 1:24 pm

Tgt Ion: 43 Resp: 138029

Ion	Ratio	Lower	Upper
43	100		
71	23.9	3.6	43.6
128	5.9	0.0	26.1

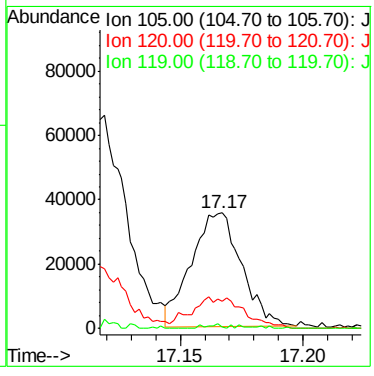


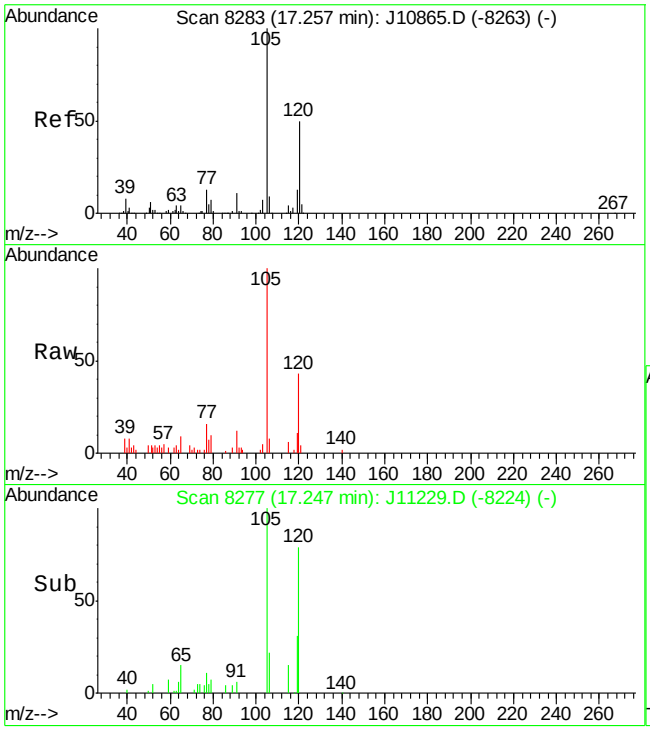


#65
4-ETHYLTOLUENE
Concen: 1.07 PPBV
RT: 17.17 min Scan# 8232
Delta R.T. -0.01 min
Lab File: J11229.D
Acq: 7 Sep 2007 1:24 pm

Tgt Ion:105 Resp: 50481

Ion	Ratio	Lower	Upper
105	100		
120	29.0	10.5	50.5
119	1.4	0.0	21.7

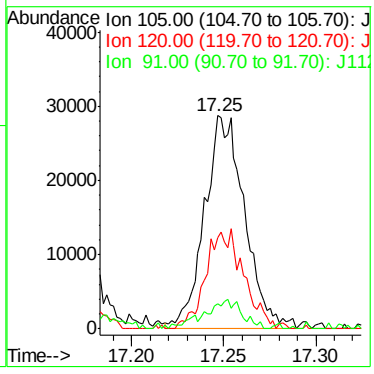


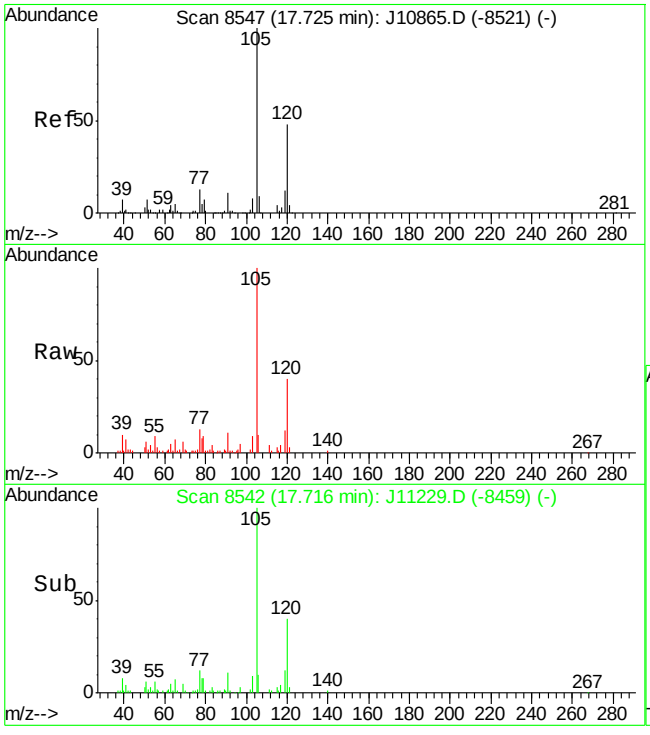


#66
1,3,5-TRIMETHYLBENZENE
Concen: 1.02 PPBV
RT: 17.25 min Scan# 8277
Delta R.T. -0.01 min
Lab File: J11229.D
Acq: 7 Sep 2007 1:24 pm

Tgt Ion:105 Resp: 43415

Ion	Ratio	Lower	Upper
105	100		
120	43.7	30.9	70.9
91	13.2	0.0	31.0

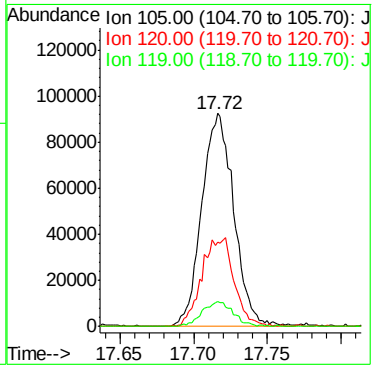


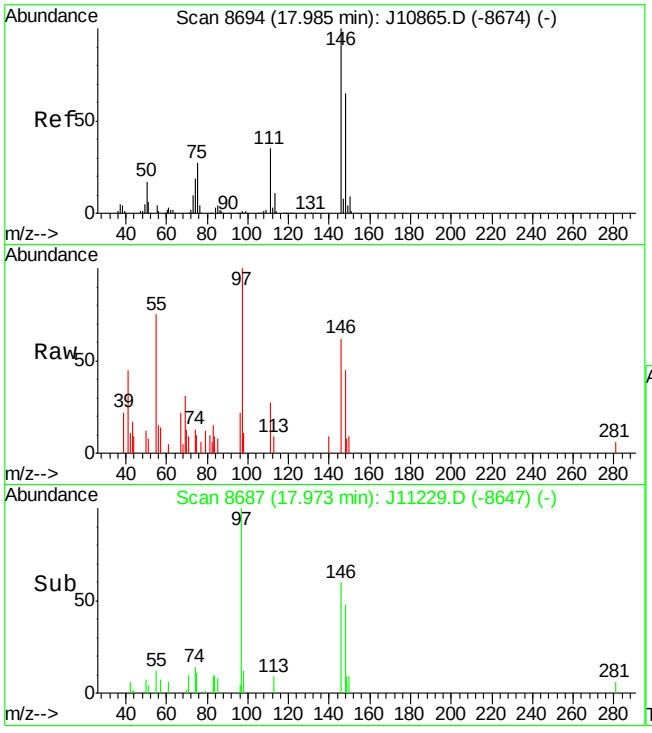


#67
1,2,4-TRIMETHYLBENZENE
Concen: 3.58 PPBV
RT: 17.72 min Scan# 8542
Delta R.T. -0.01 min
Lab File: J11229.D
Acq: 7 Sep 2007 1:24 pm

Tgt Ion:105 Resp: 139710

Ion	Ratio	Lower	Upper
105	100		
120	41.9	28.0	68.0
119	11.4	0.0	32.7

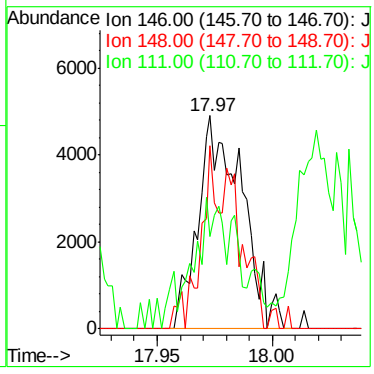




#70
p-DICHLOROBENZENE
Concen: 0.31 PPBV
RT: 17.97 min Scan# 8687
Delta R.T. -0.01 min
Lab File: J11229.D
Acq: 7 Sep 2007 1:24 pm

Tgt Ion:146 Resp: 6483

Ion	Ratio	Lower	Upper
146	100		
148	70.3	44.0	84.0
111	69.5	15.5	55.5#

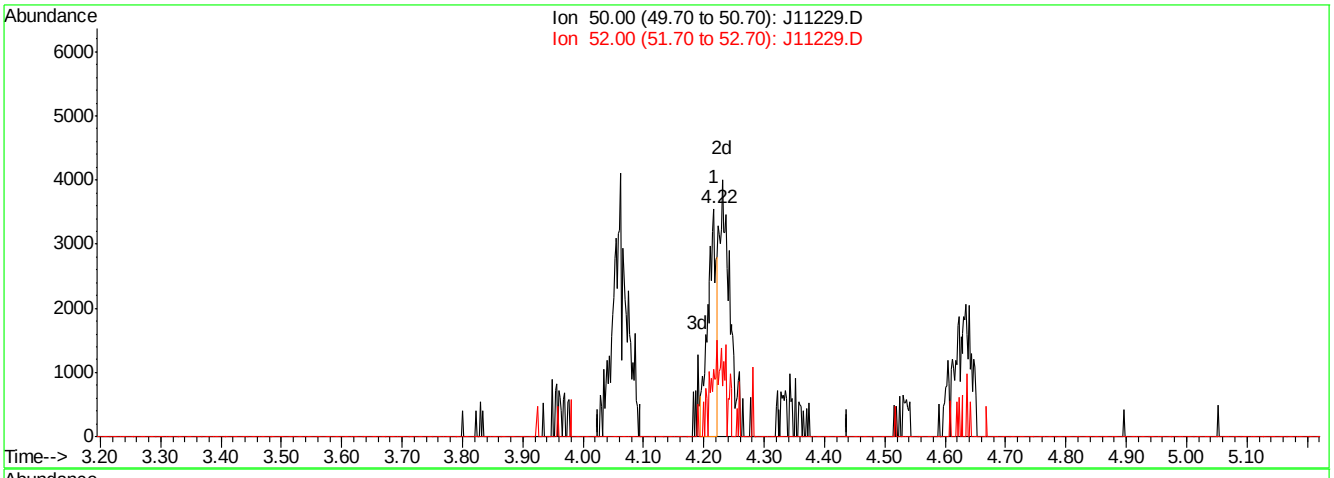


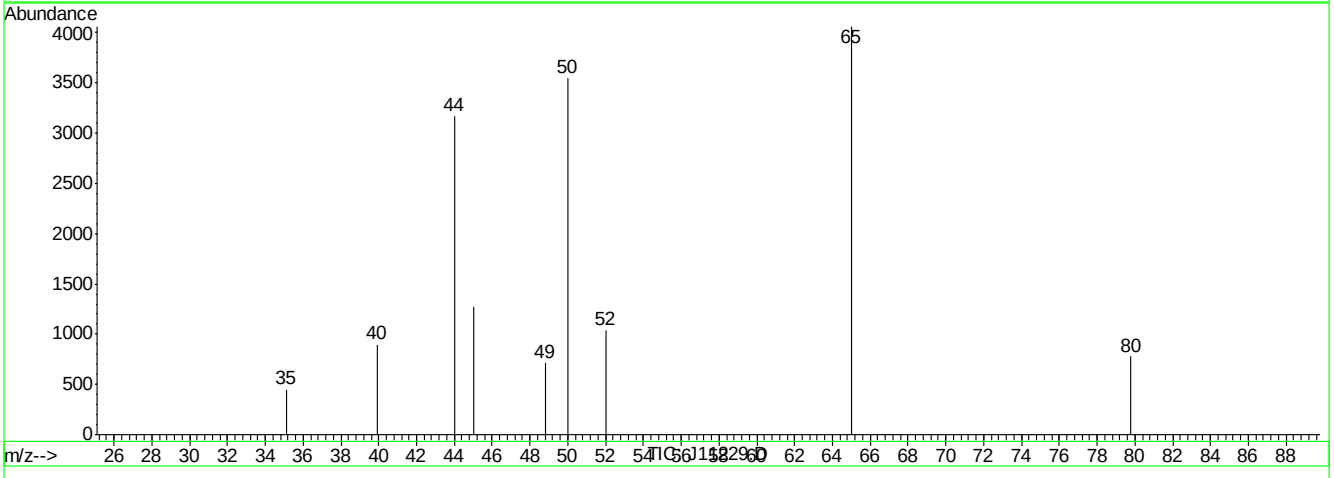
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11229.D Vial: 7
Acq On : 7 Sep 2007 1:24 pm Operator: PhilipB
Sample : M67493-2 Inst : MSJ
Misc : MS14255, MSJ590,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 14:07:46 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:10:25 2007
Response via : Multiple Level Calibration





(5) CHLOROMETHANE (m)

4.22min 0.28PPBV

response 3490

Ion	Exp%	Act%
50.00	100	100
52.00	32.60	15.71
0.00	0.00	0.00
0.00	0.00	0.00

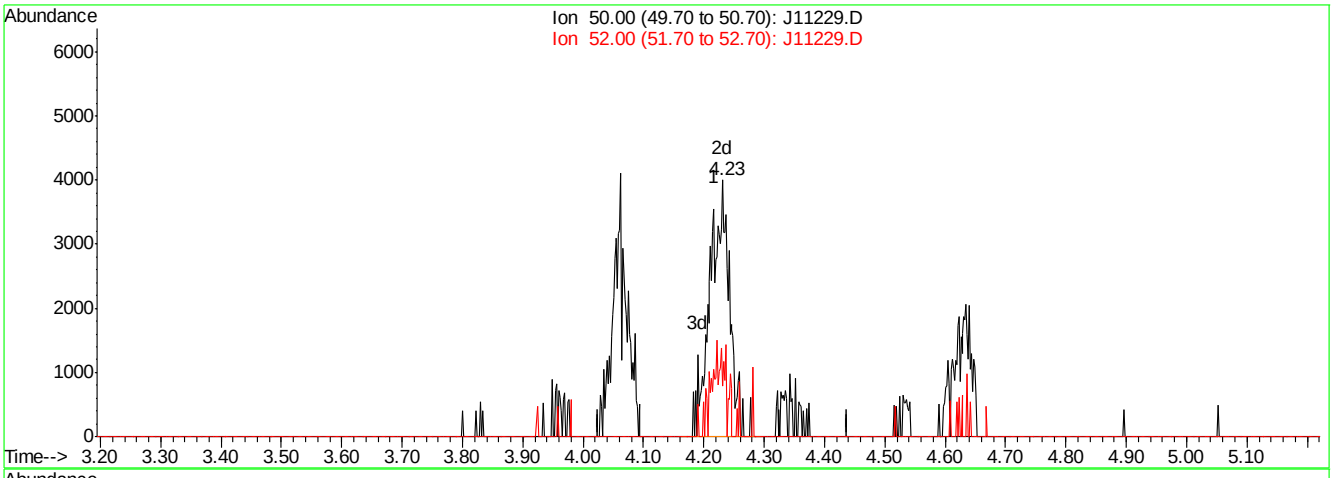
J11229.D J090607T.M Fri Sep 07 14:08:00 2007

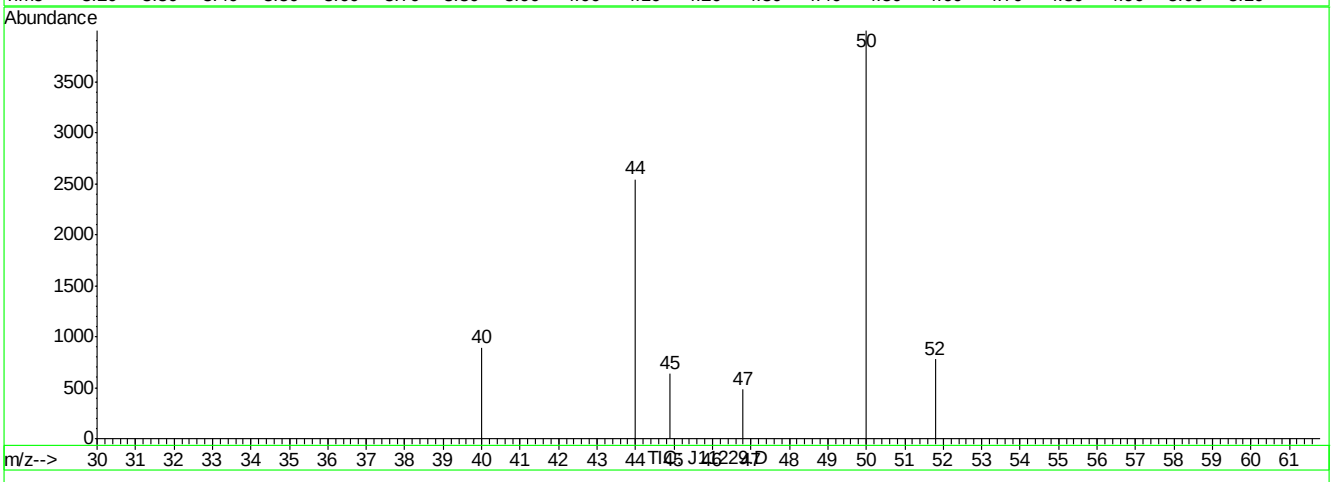
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11229.D Vial: 7
Acq On : 7 Sep 2007 1:24 pm Operator: PhilipB
Sample : M67493-2 Inst : MSJ
Misc : MS14255, MSJ590,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 14:07:46 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:10:25 2007
Response via : Multiple Level Calibration





(5) CHLOROMETHANE (m)

4.23min 0.71PPBV m

response 8850

Ion	Exp%	Act%
50.00	100	100
52.00	32.60	19.50
0.00	0.00	0.00
0.00	0.00	0.00

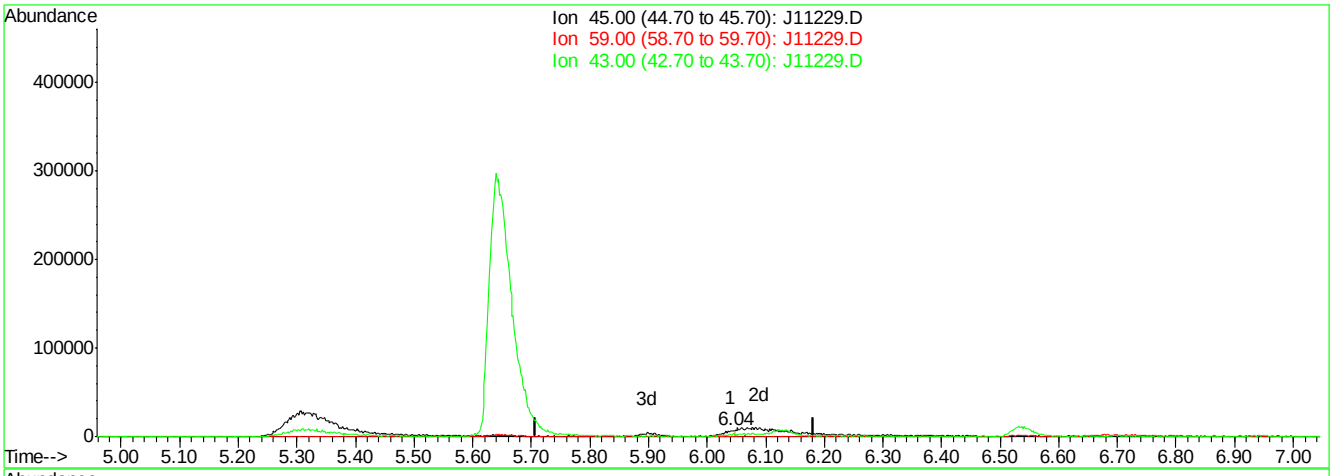
J11229.D J090607T.M Fri Sep 07 14:08:03 2007

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11229.D Vial: 7
Acq On : 7 Sep 2007 1:24 pm Operator: PhilipB
Sample : M67493-2 Inst : MSJ
Misc : MS14255, MSJ590,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 14:07:46 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:10:25 2007
Response via : Multiple Level Calibration



(11) ISOPROPYL ALCOHOL (m)

6.04min 0.47PPBV

response 8805

Ion	Exp%	Act%
45.00	100	100
59.00	3.60	0.00
43.00	24.20	23.28
0.00	0.00	0.00

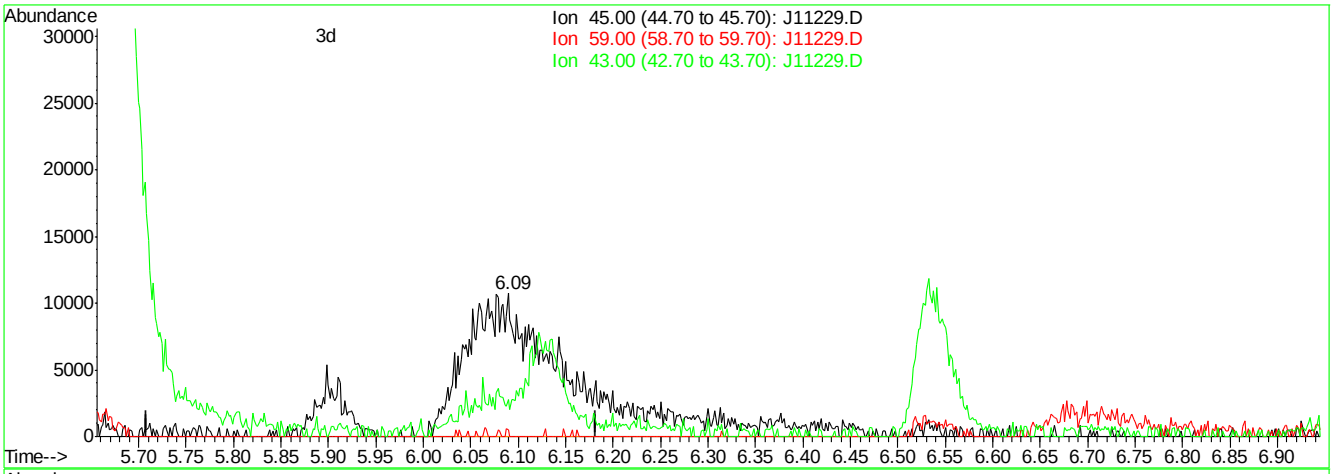
J11229.D J090607T.M Fri Sep 07 14:08:16 2007

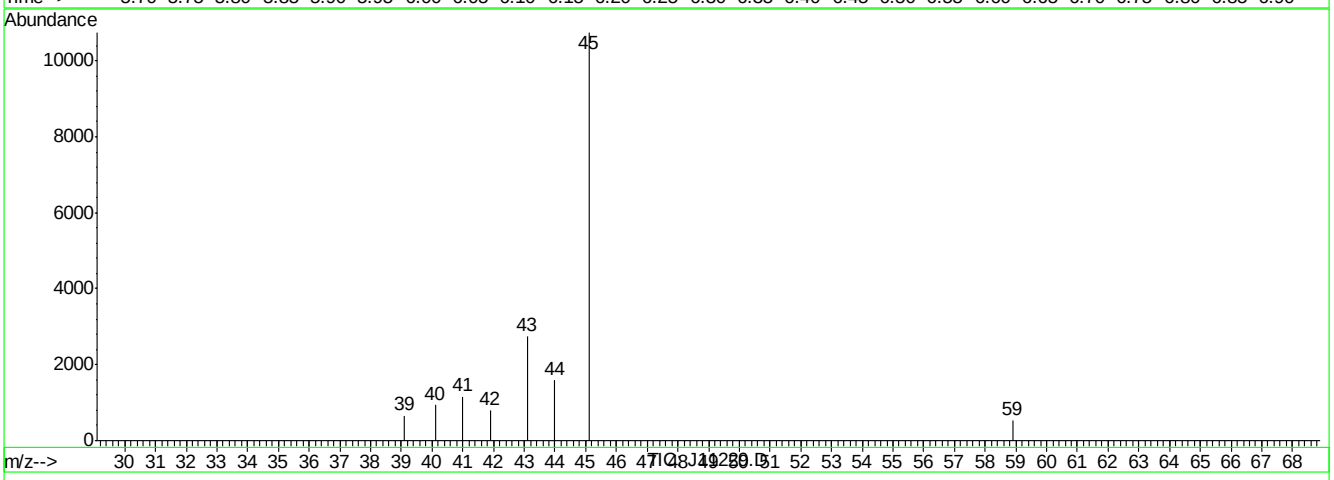
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11229.D Vial: 7
Acq On : 7 Sep 2007 1:24 pm Operator: PhilipB
Sample : M67493-2 Inst : MSJ
Misc : MS14255, MSJ590,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 14:07:46 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:10:25 2007
Response via : Multiple Level Calibration





(11) ISOPROPYL ALCOHOL (m)

6.09min 4.52PPBV m

response 84233

Ion	Exp%	Act%
45.00	100	100
59.00	3.60	4.95
43.00	24.20	25.65
0.00	0.00	0.00

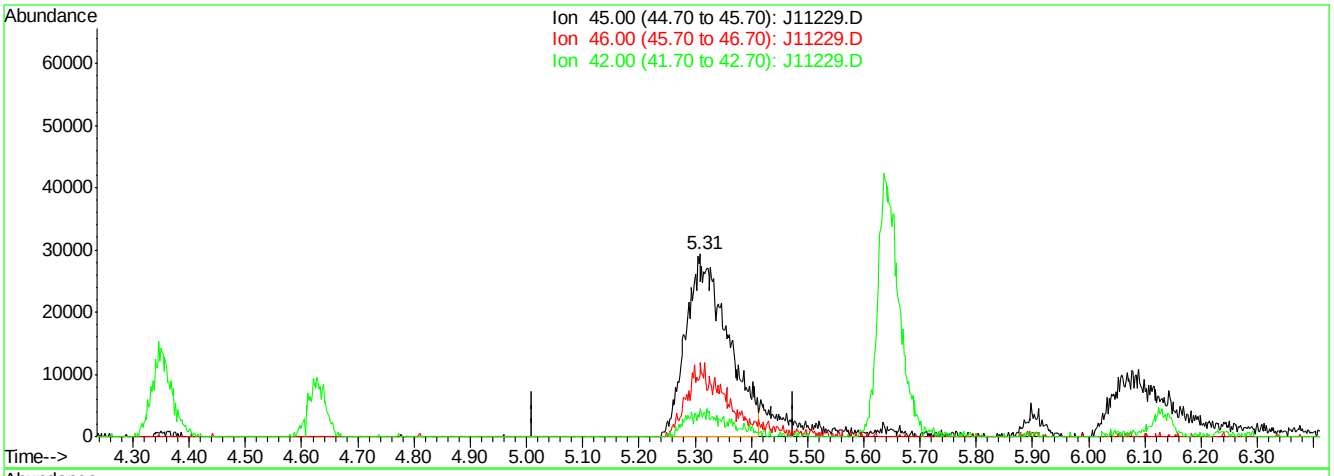
J11229.D J090607T.M Fri Sep 07 14:08:25 2007

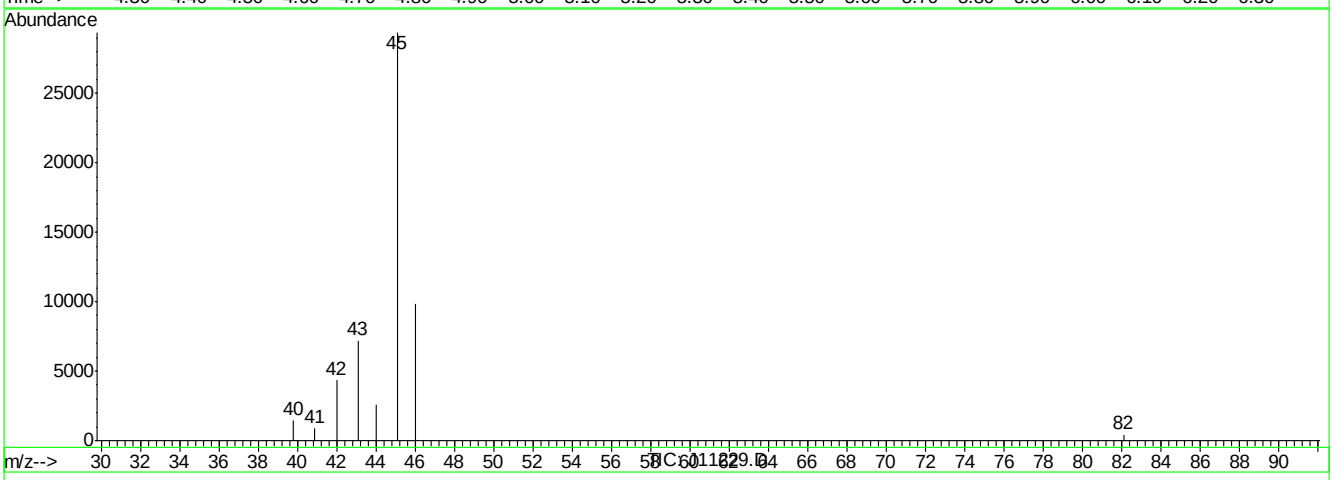
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11229.D Vial: 7
Acq On : 7 Sep 2007 1:24 pm Operator: PhilipB
Sample : M67493-2 Inst : MSJ
Misc : MS14255, MSJ590,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 14:07:46 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:10:25 2007
Response via : Multiple Level Calibration





(16) ETHANOL (m)

5.31min 42.97PPBV

response 151048

Ion	Exp%	Act%
45.00	100	100
46.00	34.00	0.00#
42.00	9.40	0.54
0.00	0.00	0.00

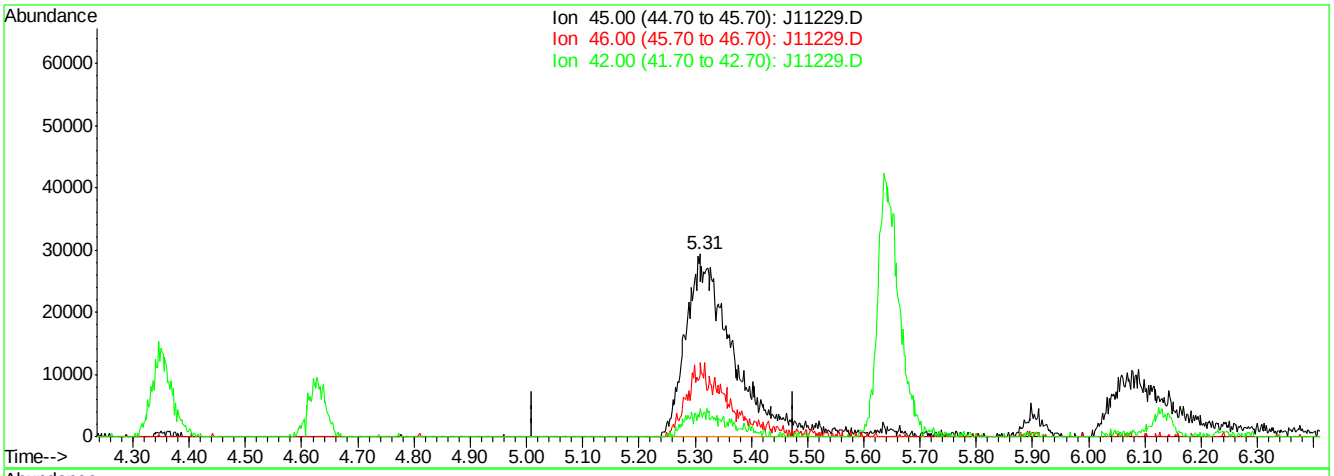
J11229.D J090607T.M Fri Sep 07 14:08:37 2007

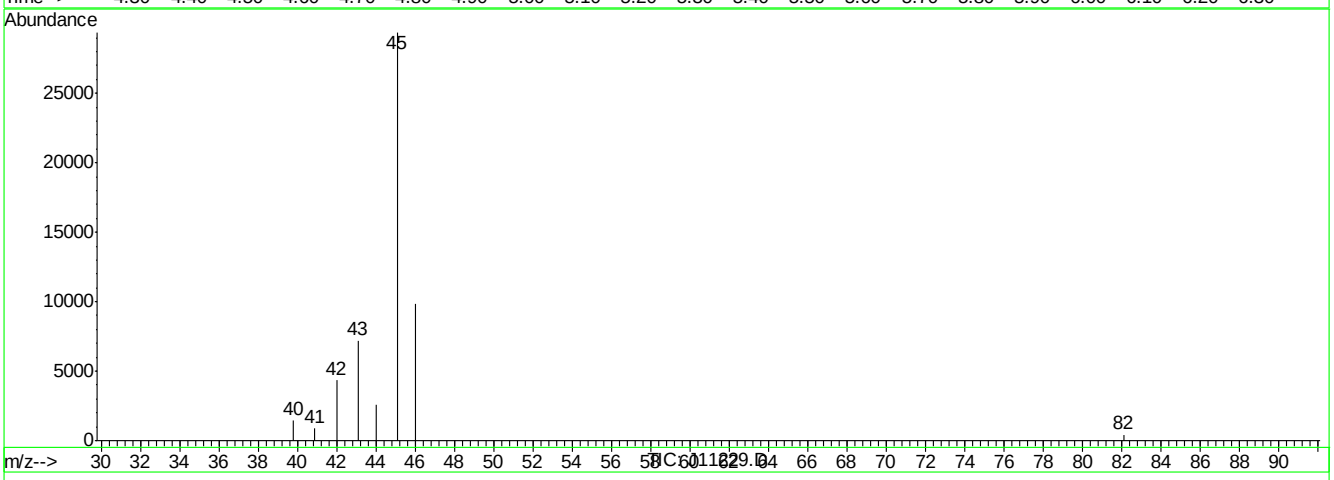
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11229.D Vial: 7
Acq On : 7 Sep 2007 1:24 pm Operator: PhilipB
Sample : M67493-2 Inst : MSJ
Misc : MS14255, MSJ590,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 14:07:46 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:10:25 2007
Response via : Multiple Level Calibration





(16) ETHANOL (m)

5.31min 50.36PPBV m

response 177043

Ion	Exp%	Act%
45.00	100	100
46.00	34.00	0.00#
42.00	9.40	0.46
0.00	0.00	0.00

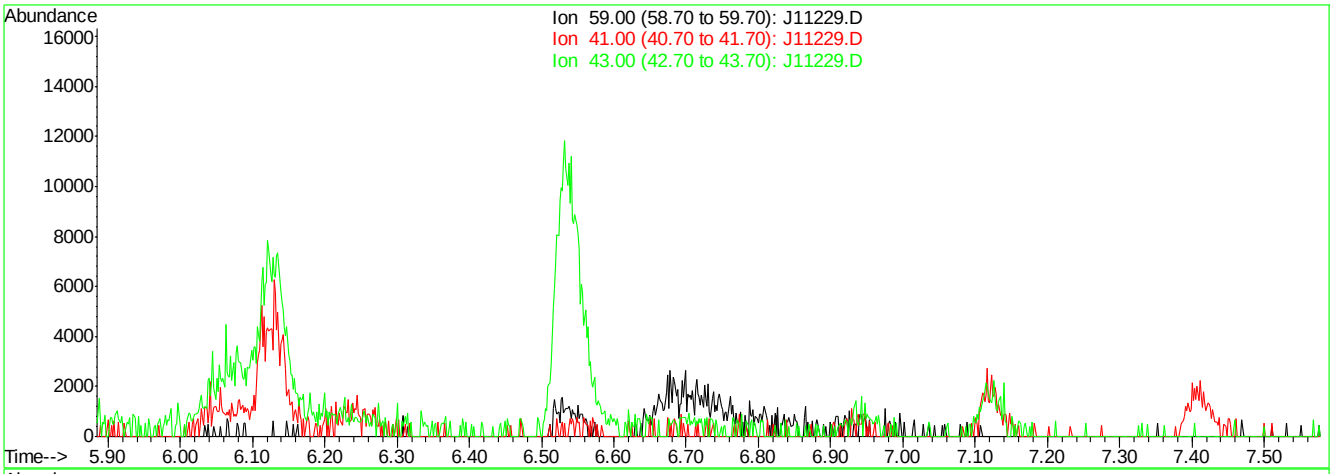
J11229.D J090607T.M Fri Sep 07 14:08:43 2007

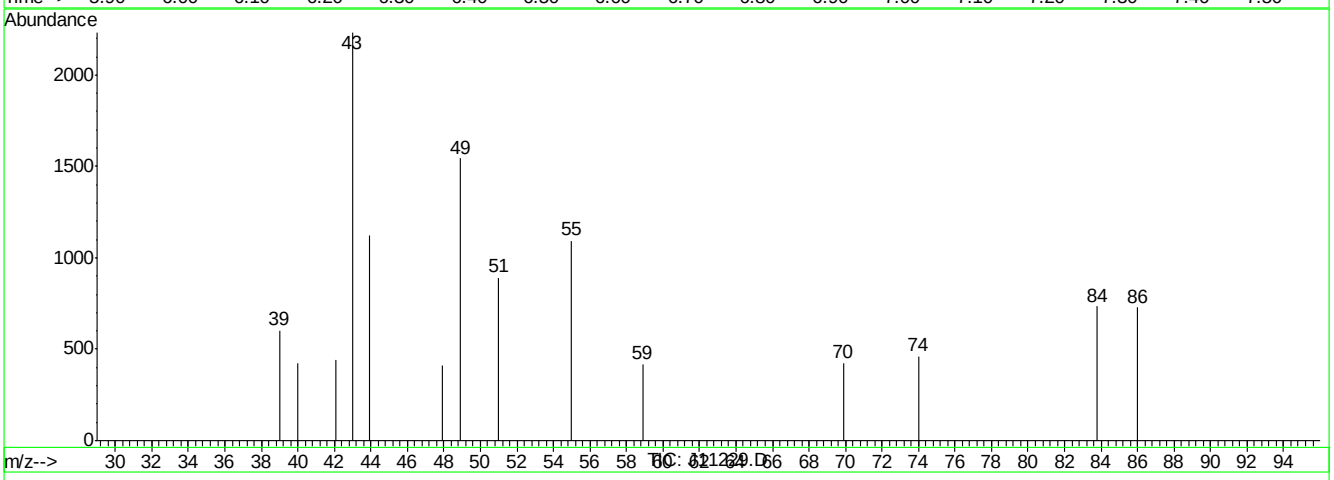
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11229.D Vial: 7
Acq On : 7 Sep 2007 1:24 pm Operator: PhilipB
Sample : M67493-2 Inst : MSJ
Misc : MS14255, MSJ590,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 14:07:46 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:10:25 2007
Response via : Multiple Level Calibration





(22) TERTIARY BUTYL ALCOHOL (m)

6.57min 0.00PPBV d

response 0

Ion	Exp%	Act%
59.00	100	0.00
41.00	23.80	0.00
43.00	18.40	0.00
0.00	0.00	0.00

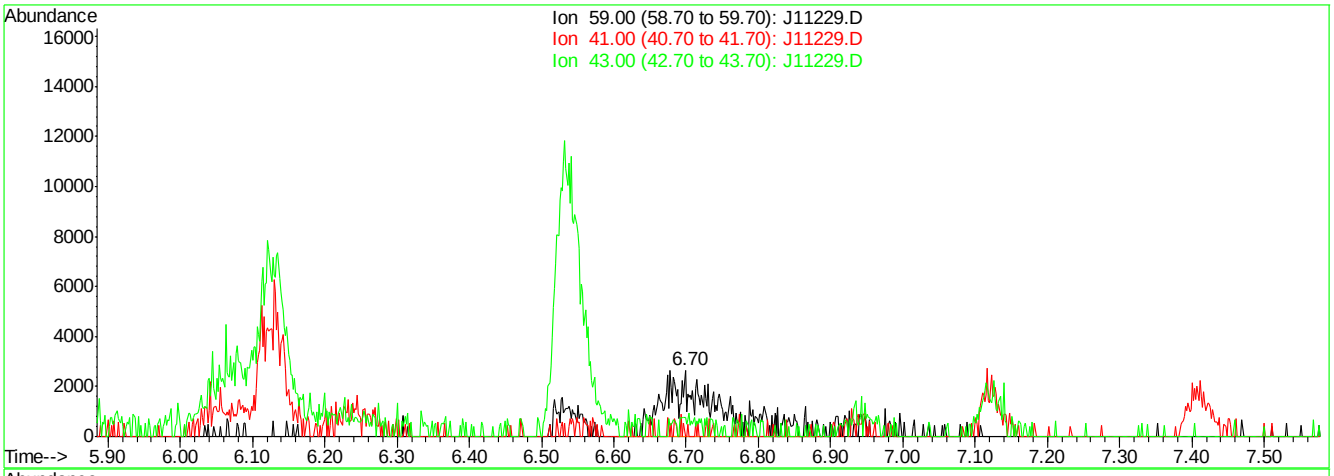
J11229.D J090607T.M Fri Sep 07 14:09:05 2007

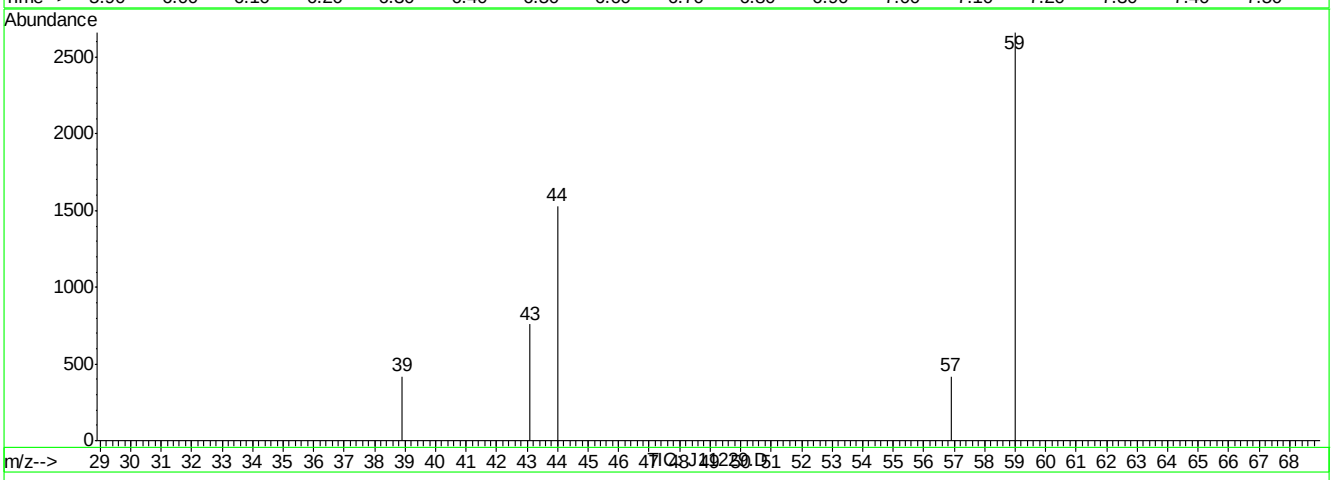
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11229.D Vial: 7
Acq On : 7 Sep 2007 1:24 pm Operator: PhilipB
Sample : M67493-2 Inst : MSJ
Misc : MS14255, MSJ590,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 14:07:46 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:10:25 2007
Response via : Multiple Level Calibration





(22) TERTIARY BUTYL ALCOHOL (m)

6.70min 0.54PPBV m

response 14343

Ion	Exp%	Act%
59.00	100	100
41.00	23.80	0.00#
43.00	18.40	0.00
0.00	0.00	0.00

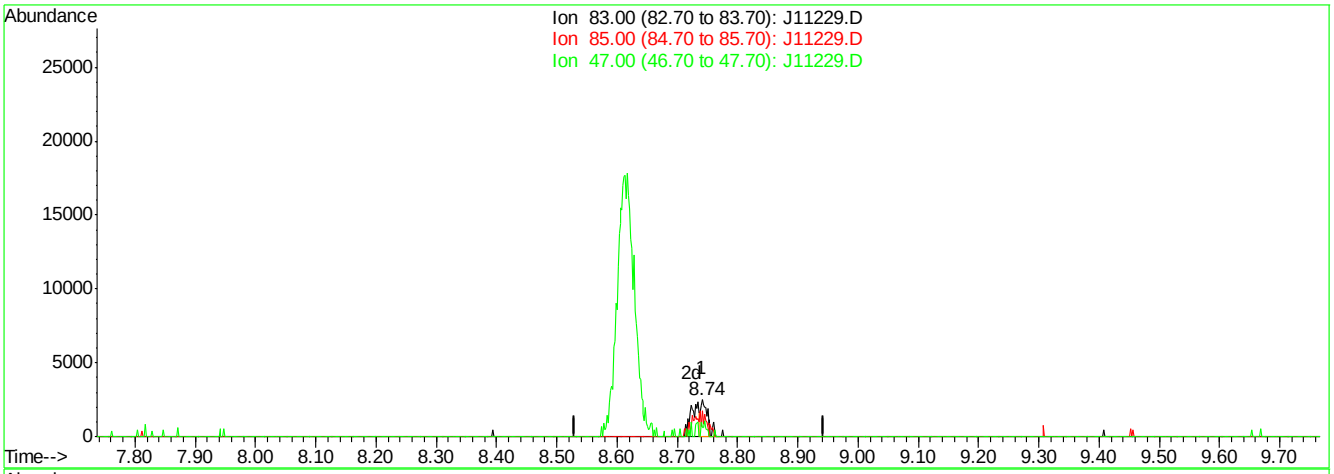
J11229.D J090607T.M Fri Sep 07 14:09:09 2007

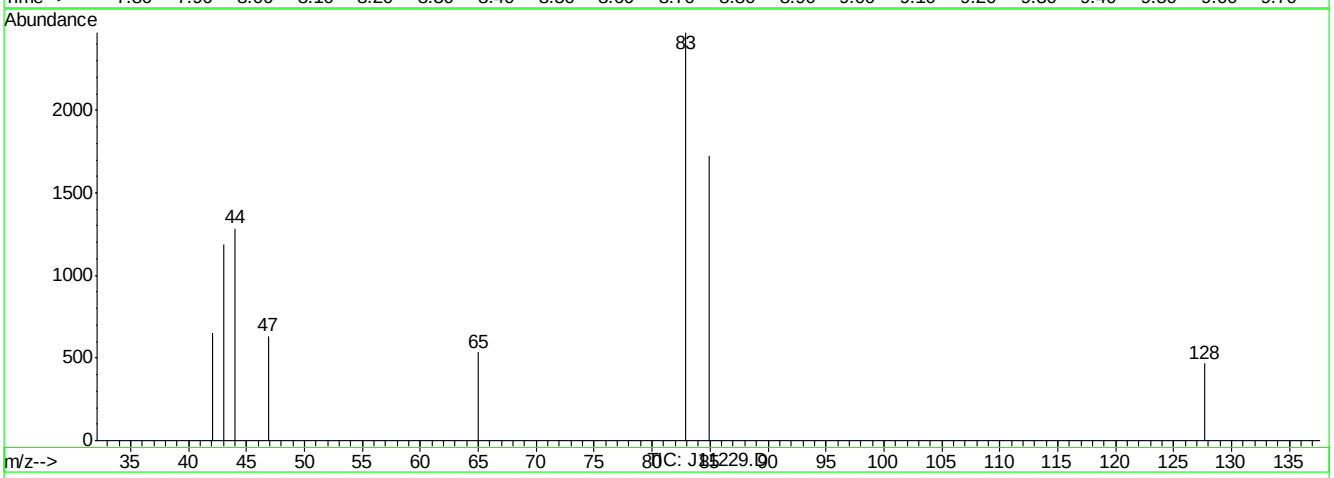
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11229.D Vial: 7
Acq On : 7 Sep 2007 1:24 pm Operator: PhilipB
Sample : M67493-2 Inst : MSJ
Misc : MS14255, MSJ590,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 14:07:46 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:10:25 2007
Response via : Multiple Level Calibration





(31) CHLOROFORM (m)

8.74min 0.05PPBV

response 2068

Ion	Exp%	Act%
83.00	100	100
85.00	64.30	118.62#
47.00	24.30	0.00#
0.00	0.00	0.00

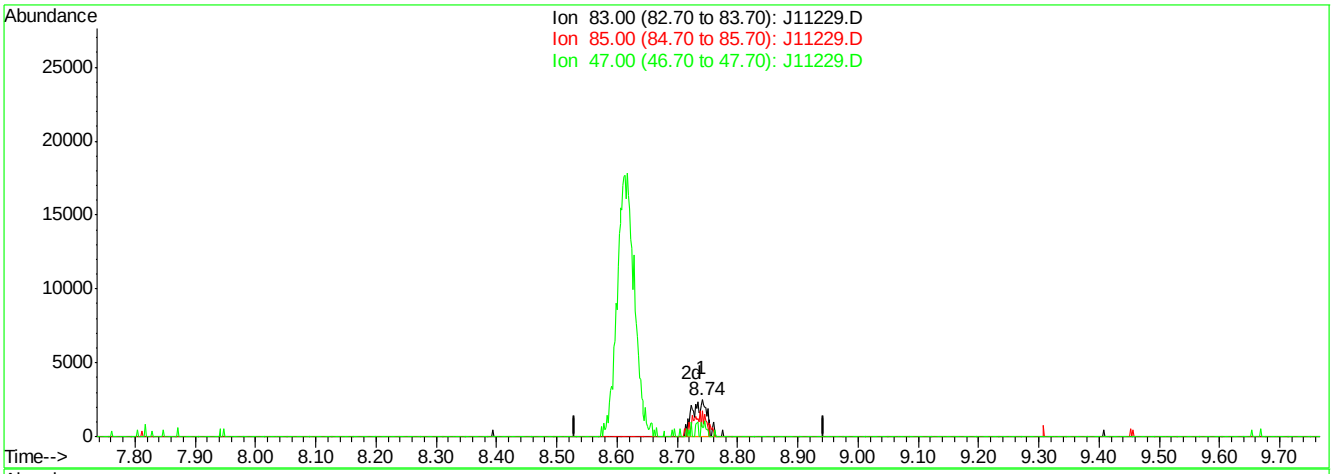
J11229.D J090607T.M Fri Sep 07 14:09:28 2007

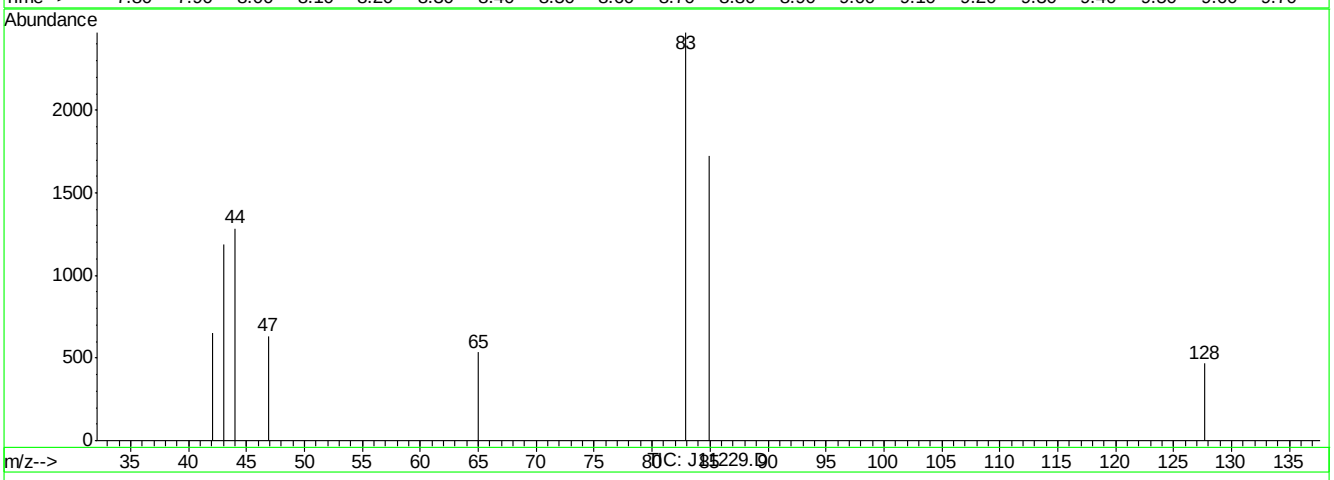
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11229.D Vial: 7
Acq On : 7 Sep 2007 1:24 pm Operator: PhilipB
Sample : M67493-2 Inst : MSJ
Misc : MS14255, MSJ590,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 14:07:46 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:10:25 2007
Response via : Multiple Level Calibration





(31) CHLOROFORM (m)

8.74min 0.11PPBV m

response 4234

Ion	Exp%	Act%
83.00	100	100
85.00	64.30	57.94
47.00	24.30	0.00#
0.00	0.00	0.00

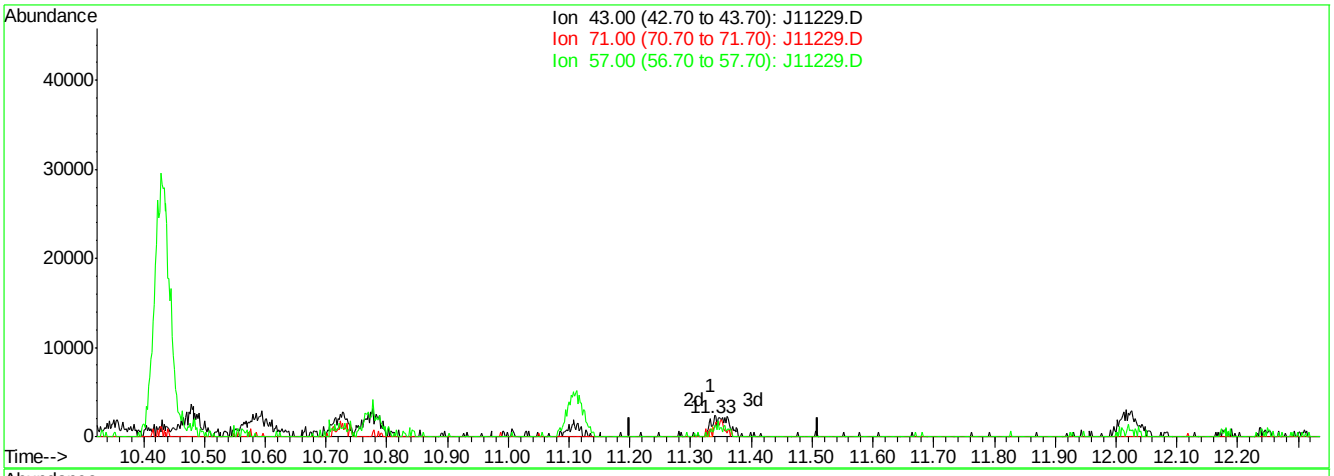
J11229.D J090607T.M Fri Sep 07 14:09:31 2007

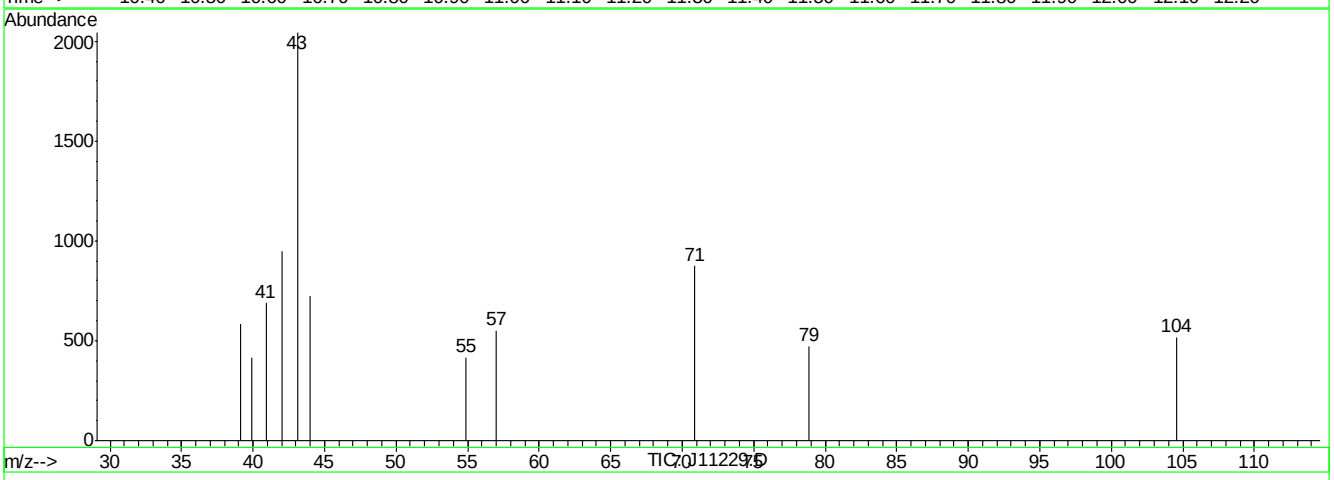
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11229.D Vial: 7
Acq On : 7 Sep 2007 1:24 pm Operator: PhilipB
Sample : M67493-2 Inst : MSJ
Misc : MS14255, MSJ590,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 14:07:46 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:10:25 2007
Response via : Multiple Level Calibration





(43) HEPTANE (m)

11.33min 0.06PPBV

response 903

Ion	Exp%	Act%
43.00	100	100
71.00	57.30	0.00#
57.00	51.20	118.72#
0.00	0.00	0.00

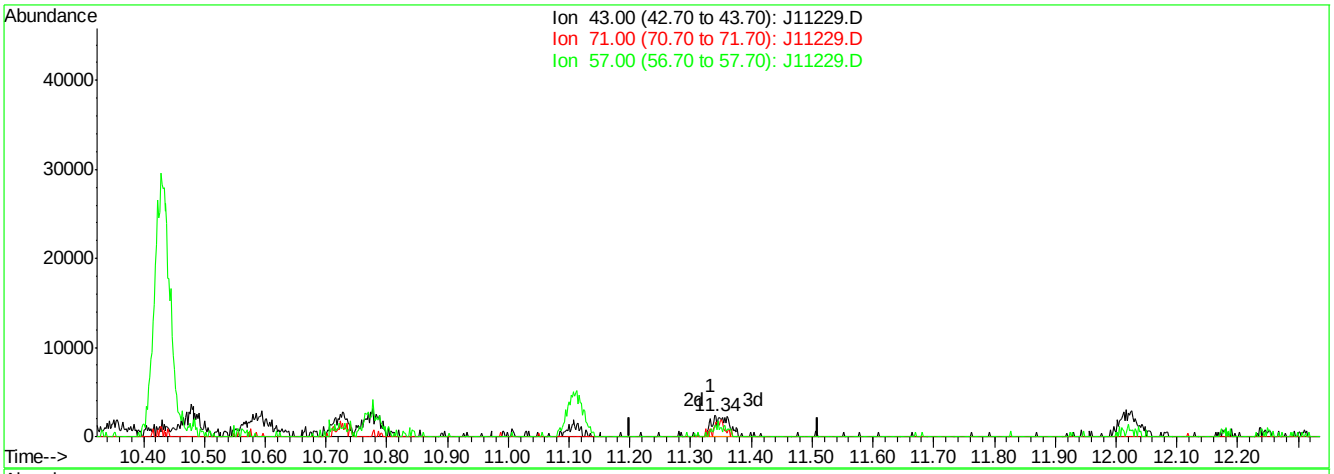
J11229.D J090607T.M Fri Sep 07 14:09:49 2007

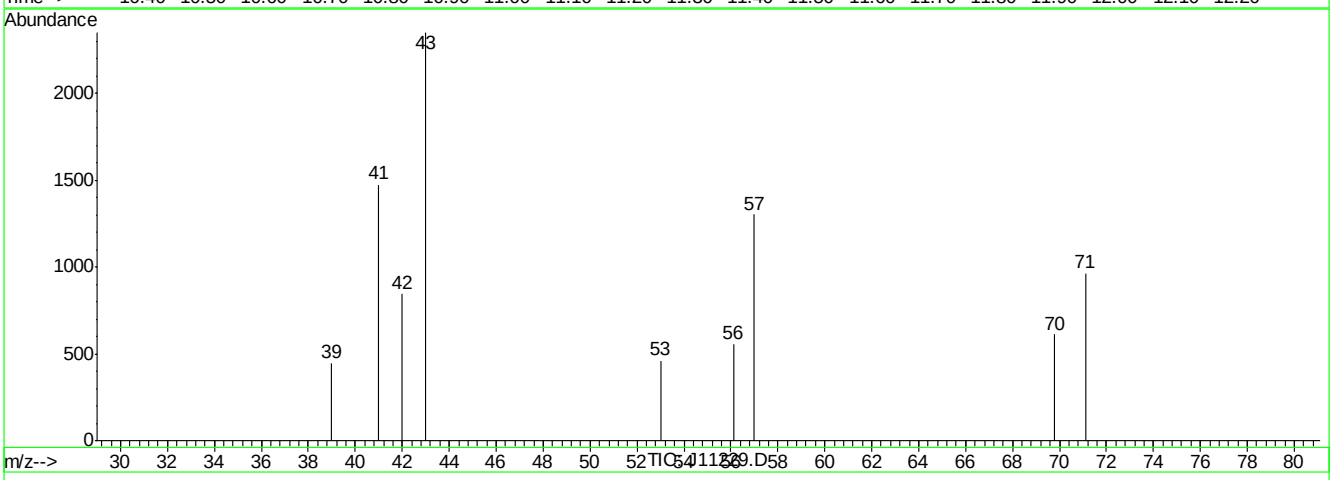
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11229.D Vial: 7
Acq On : 7 Sep 2007 1:24 pm Operator: PhilipB
Sample : M67493-2 Inst : MSJ
Misc : MS14255, MSJ590,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 14:07:46 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:10:25 2007
Response via : Multiple Level Calibration





(43) HEPTANE (m)

11.34min 0.32PPBV m

response 4787

Ion	Exp%	Act%
43.00	100	100
71.00	57.30	0.00#
57.00	51.20	22.39#
0.00	0.00	0.00

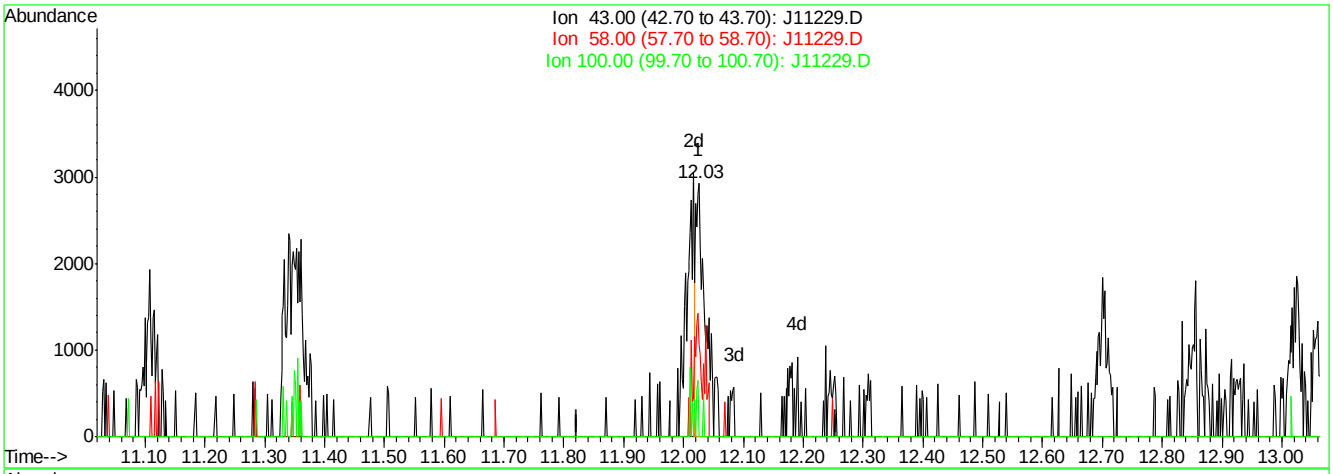
J11229.D J090607T.M Fri Sep 07 14:09:52 2007

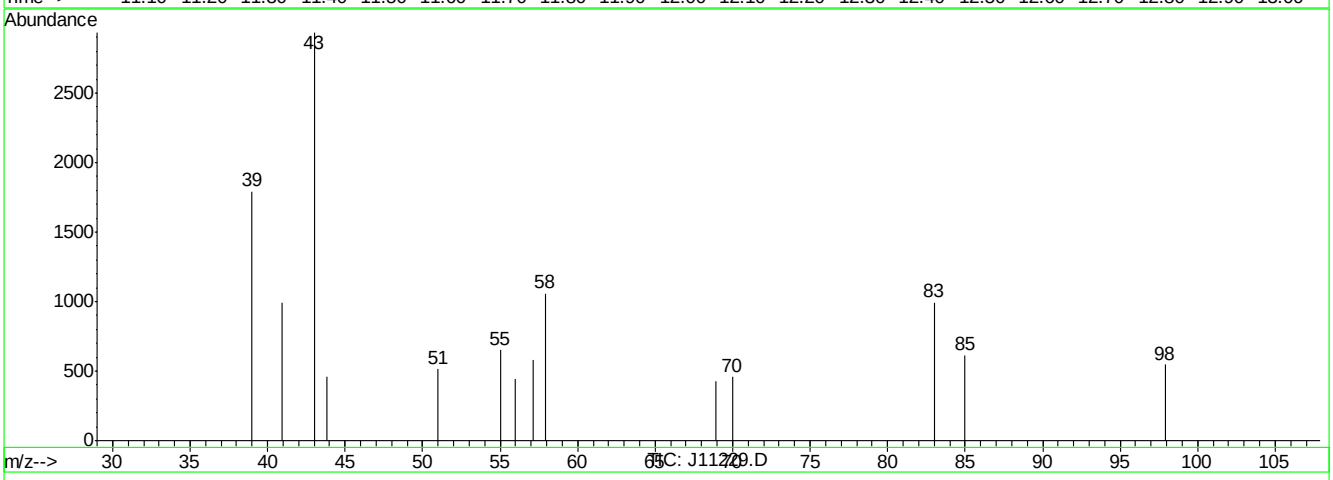
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11229.D Vial: 7
Acq On : 7 Sep 2007 1:24 pm Operator: PhilipB
Sample : M67493-2 Inst : MSJ
Misc : MS14255, MSJ590,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 14:07:46 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:10:25 2007
Response via : Multiple Level Calibration





(44) METHYL ISOBUTYL KETONE (m)

12.03min 0.19PPBV

response 3281

Ion	Exp%	Act%
43.00	100	100
58.00	37.60	31.88
100.00	13.50	1.58
0.00	0.00	0.00

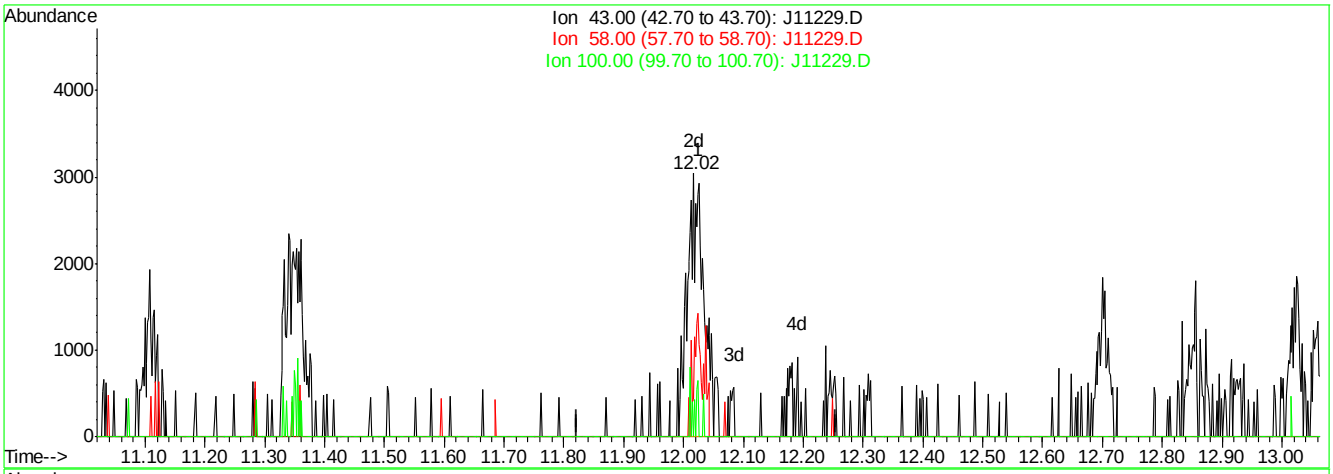
J11229.D J090607T.M Fri Sep 07 14:09:56 2007

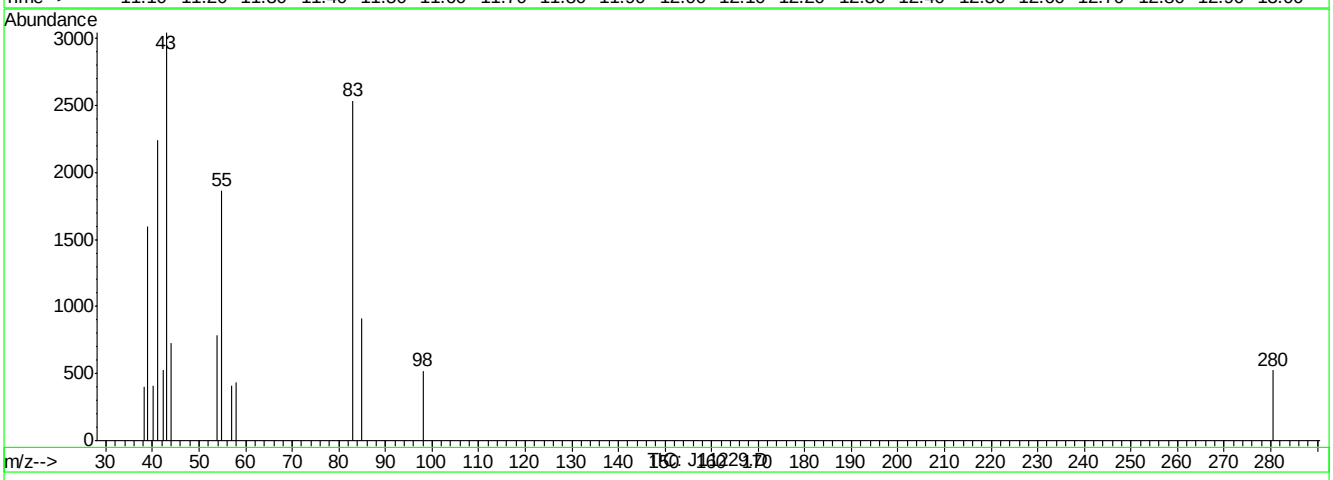
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11229.D Vial: 7
Acq On : 7 Sep 2007 1:24 pm Operator: PhilipB
Sample : M67493-2 Inst : MSJ
Misc : MS14255, MSJ590,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 14:07:46 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:10:25 2007
Response via : Multiple Level Calibration





(44) METHYL ISOBUTYL KETONE (m)

12.02min 0.36PPBV m

response 6266

Ion	Exp%	Act%
43.00	100	100
58.00	37.60	16.69#
100.00	13.50	0.83
0.00	0.00	0.00

J11229.D J090607T.M Fri Sep 07 14:10:00 2007

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
09/10/07 16:13

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J11227.D
Acq On : 7 Sep 2007 11:47 am
Operator : PhilipB
Sample : MB (M035)
Misc : MS14255, MSJ590,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 07 12:59:59 2007
Quant Method : C:\MSDCHEM\1\METHODS\J090607T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Sep 07 11:10:25 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	194601	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.44	114	801346	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.67	117	591315	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.28	95	148405	4.94	PPBV	-0.02

Spiked Amount 5.000 Range 51 - 142 Recovery = 98.80%

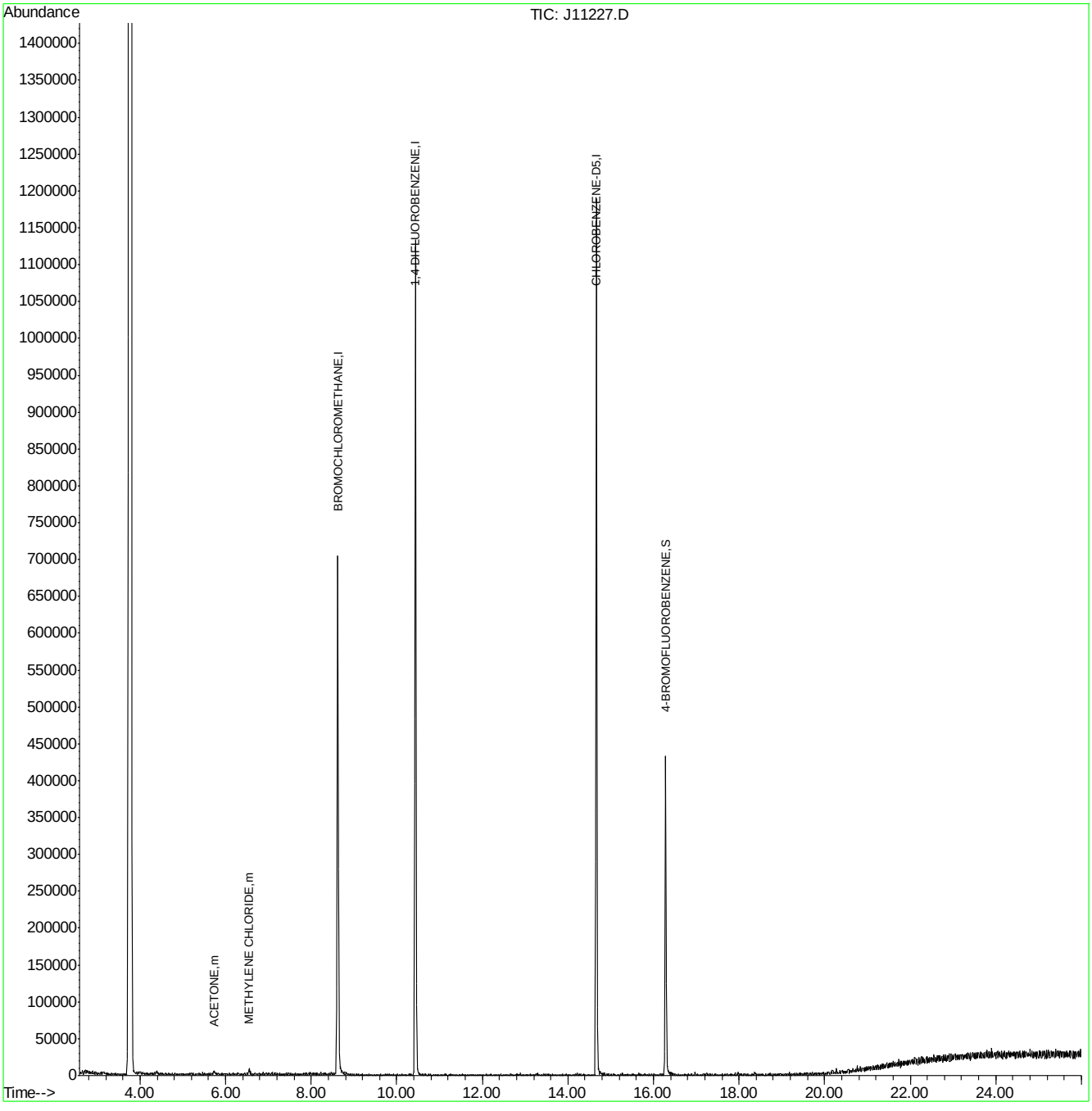
Target Compounds						Qvalue
12) ACETONE	5.73	43	6536m	0.28	PPBV	
18) METHYLENE CHLORIDE	6.55	84	3346m	0.46	PPBV	

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

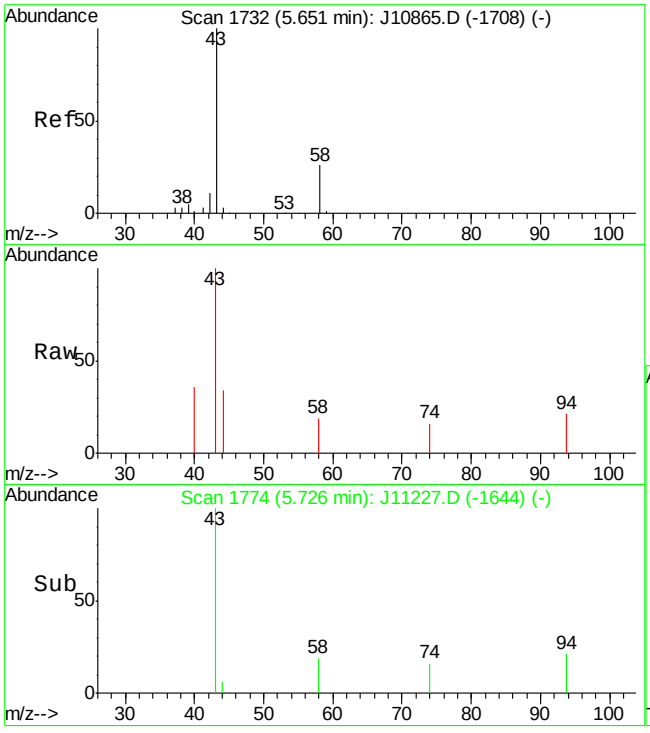
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J11227.D
Acq On : 7 Sep 2007 11:47 am
Operator : PhilipB
Sample : MB (M035)
Misc : MS14255, MSJ590,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 07 12:59:59 2007
Quant Method : C:\MSDCHEM\1\METHODS\J090607T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Sep 07 11:10:25 2007
Response via : Initial Calibration



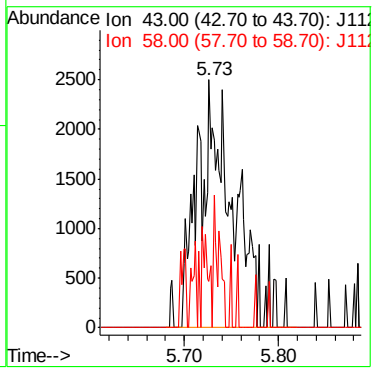
J090607T.M Fri Sep 07 13:00:10 2007 Page: 2

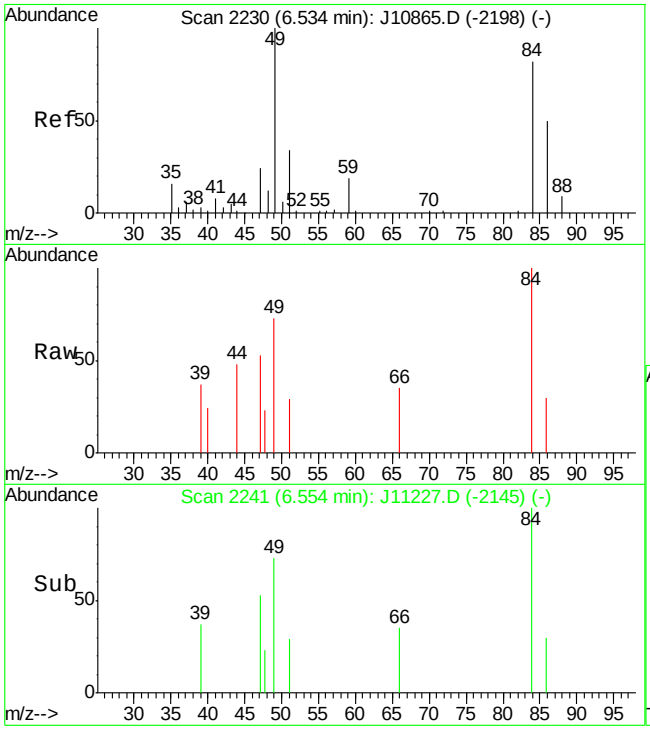


#12
ACETONE
Concen: 0.28 PPBV m
RT: 5.73 min Scan# 1774
Delta R.T. 0.08 min
Lab File: J11227.D
Acq: 7 Sep 2007 11:47 am

Tgt Ion: 43 Resp: 6536

Ion	Ratio	Lower	Upper
43	100		
58	4.6	5.6	45.6#

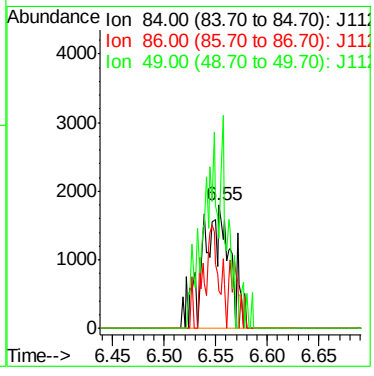




#18
METHYLENE CHLORIDE
Concen: 0.46 PPBV m
RT: 6.55 min Scan# 2241
Delta R.T. 0.02 min
Lab File: J11227.D
Acq: 7 Sep 2007 11:47 am

Tgt Ion: 84 Resp: 3346

Ion	Ratio	Lower	Upper
84	100		
86	62.4	44.2	84.2
49	11.2	0.0	327.7

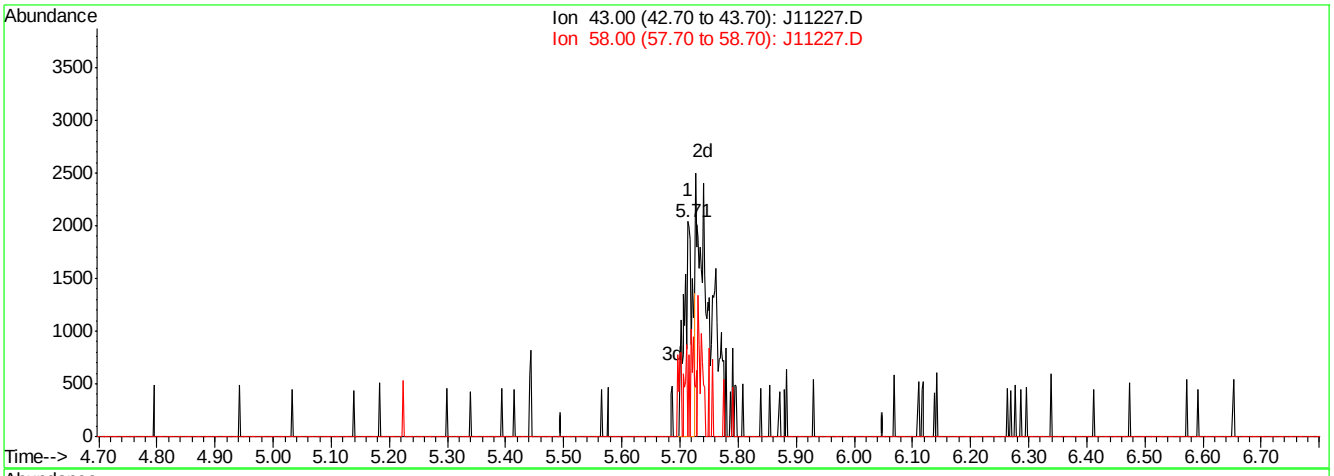


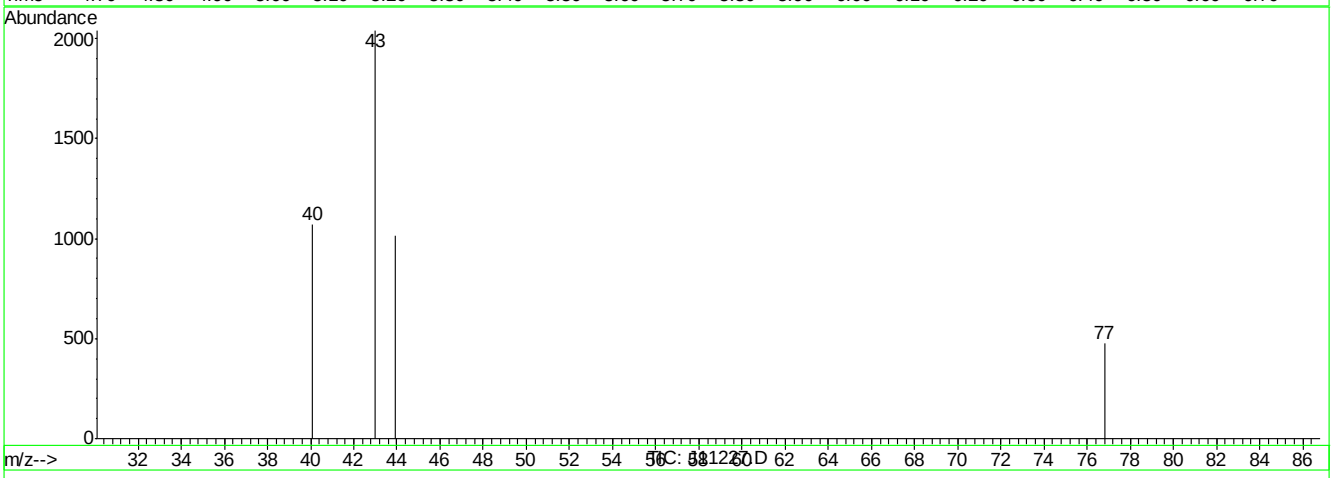
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11227.D Vial: 5
Acq On : 7 Sep 2007 11:47 am Operator: PhilipB
Sample : MB (M035) Inst : MSJ
Misc : MS14255, MSJ590,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 12:59:19 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:10:25 2007
Response via : Multiple Level Calibration





(12) ACETONE (m)

5.71min 0.09PPBV

response 1995

Ion	Exp%	Act%
43.00	100	100
58.00	25.60	14.94
0.00	0.00	0.00
0.00	0.00	0.00

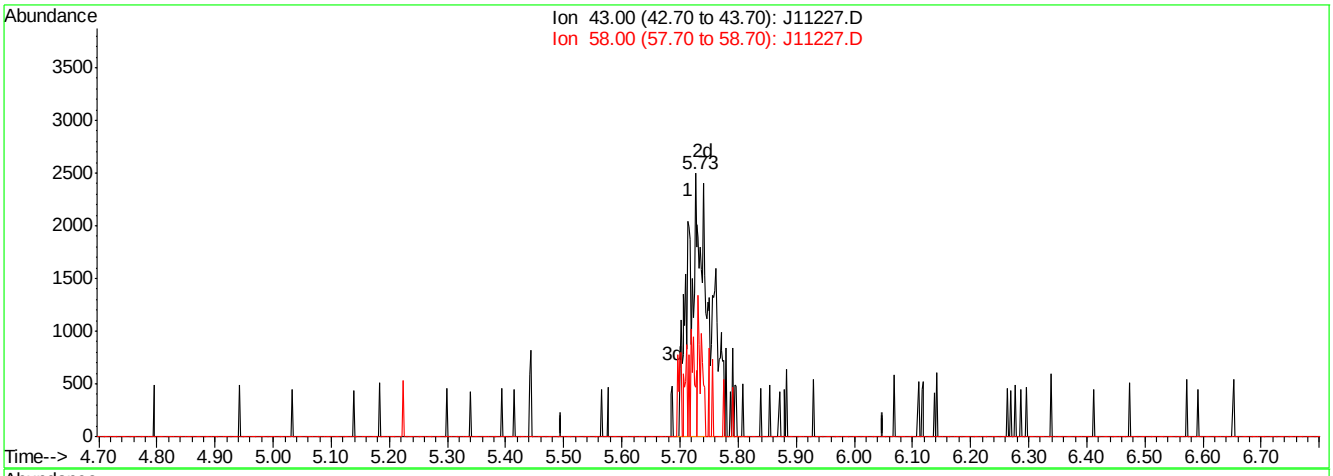
J11227.D J090607T.M Fri Sep 07 12:59:48 2007

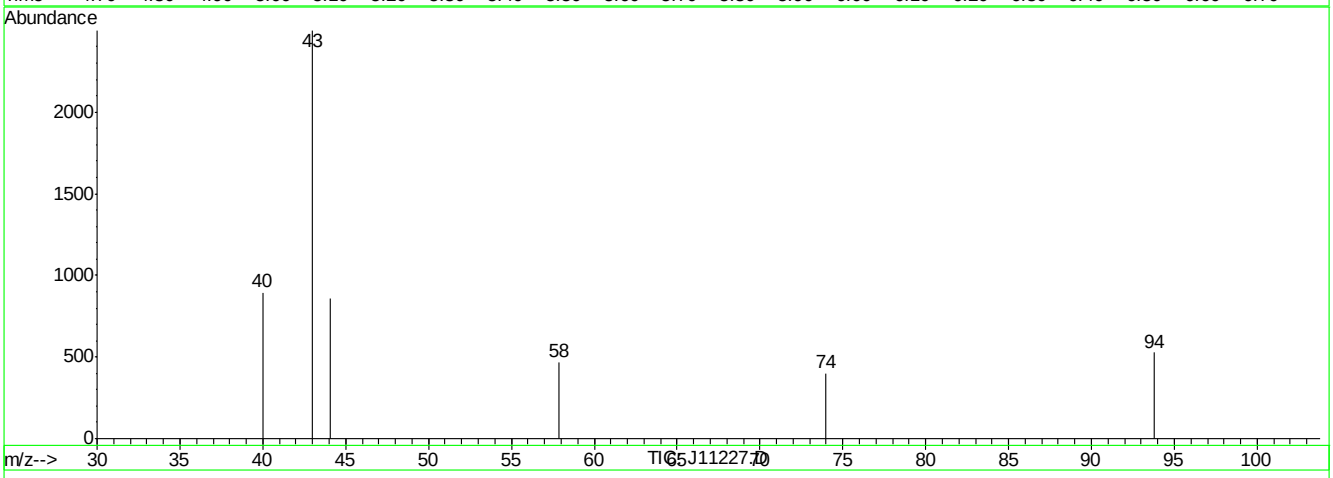
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11227.D Vial: 5
Acq On : 7 Sep 2007 11:47 am Operator: PhilipB
Sample : MB (M035) Inst : MSJ
Misc : MS14255, MSJ590,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 12:59:19 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:10:25 2007
Response via : Multiple Level Calibration





(12) ACETONE (m)

5.73min 0.28PPBV m

response 6536

Ion	Exp%	Act%
43.00	100	100
58.00	25.60	4.56#
0.00	0.00	0.00
0.00	0.00	0.00

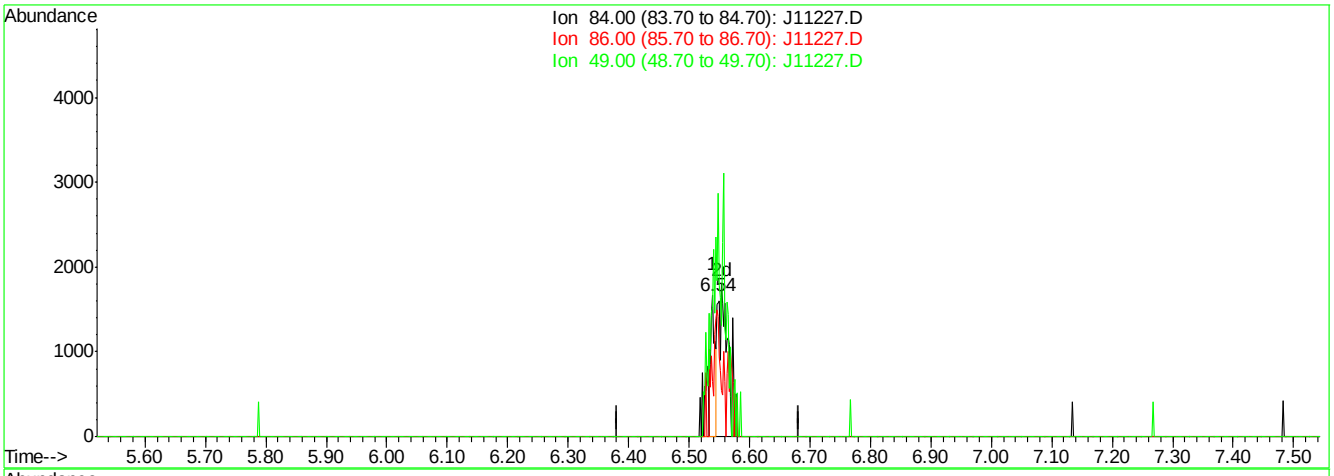
J11227.D J090607T.M Fri Sep 07 12:59:54 2007

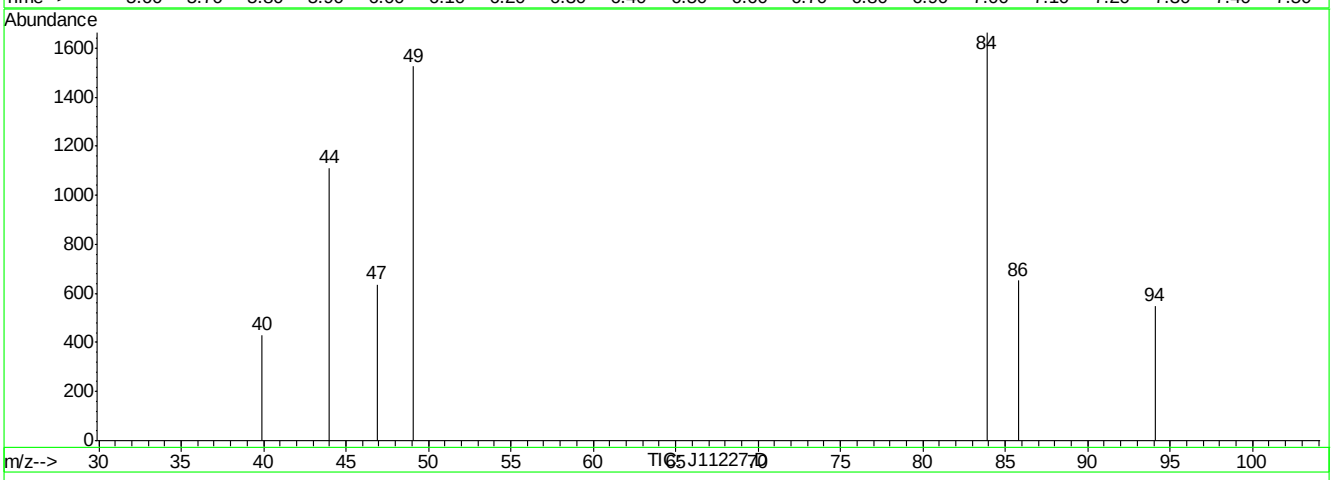
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11227.D Vial: 5
Acq On : 7 Sep 2007 11:47 am Operator: PhilipB
Sample : MB (M035) Inst : MSJ
Misc : MS14255, MSJ590,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 12:59:19 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:10:25 2007
Response via : Multiple Level Calibration





(18) METHYLENE CHLORIDE (m)

6.54min 0.34PPBV

response 1195

Ion	Exp%	Act%
84.00	100	100
86.00	64.20	174.64#
49.00	127.70	31.38
0.00	0.00	0.00

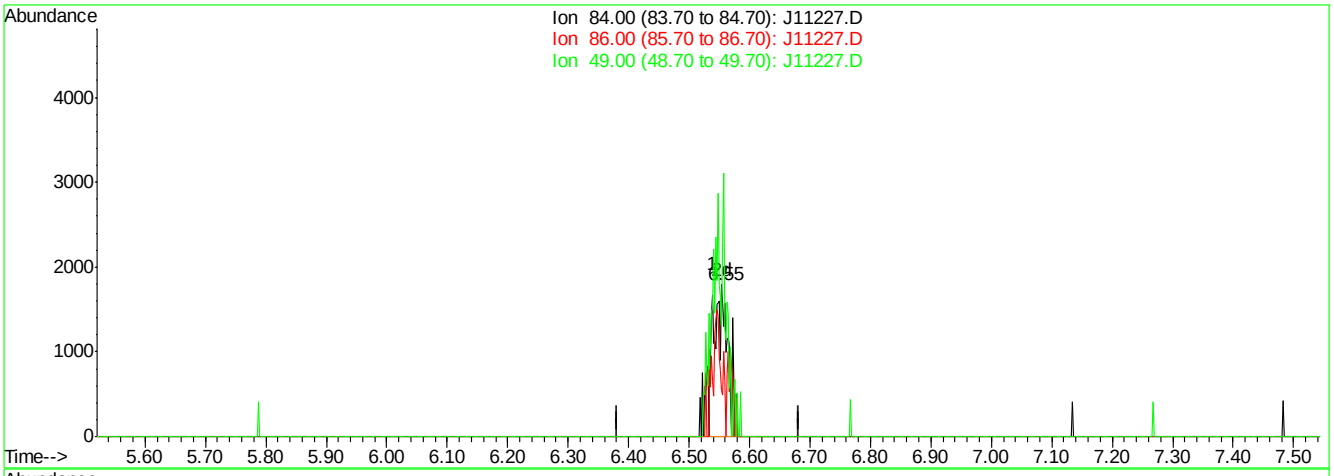
J11227.D J090607T.M Fri Sep 07 12:59:57 2007

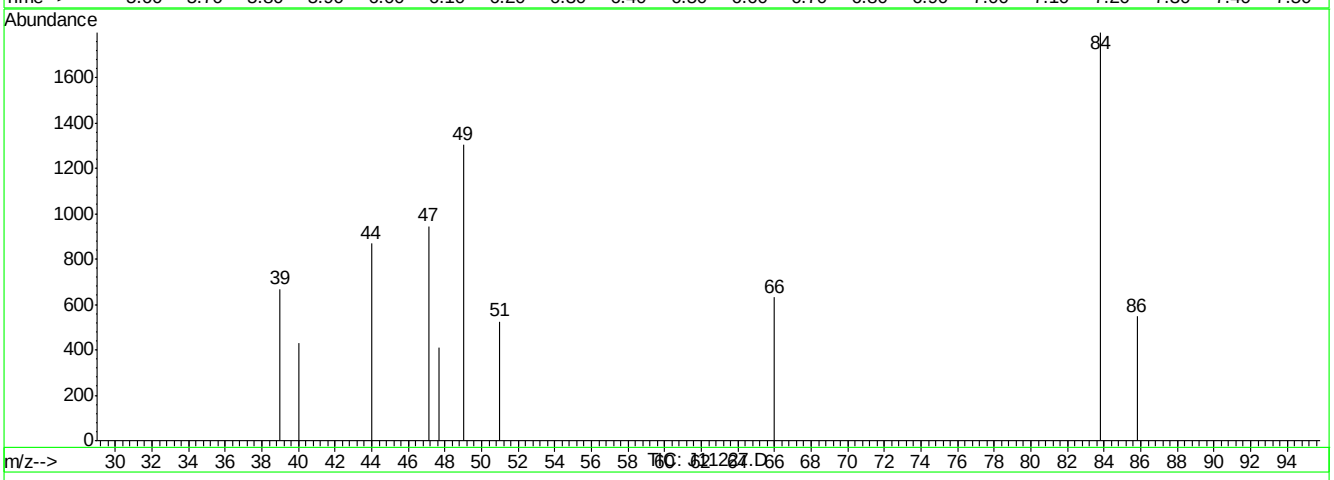
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11227.D Vial: 5
Acq On : 7 Sep 2007 11:47 am Operator: PhilipB
Sample : MB (M035) Inst : MSJ
Misc : MS14255, MSJ590,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 12:59:19 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:10:25 2007
Response via : Multiple Level Calibration





(18) METHYLENE CHLORIDE (m)

6.55min 0.46PPBV m

response 3346

Ion	Exp%	Act%
84.00	100	100
86.00	64.20	62.37
49.00	127.70	11.21
0.00	0.00	0.00

J11227.D J090607T.M Fri Sep 07 13:00:00 2007

Quantitation Report (QT Reviewed)

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

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

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

System Monitoring Compounds

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

Spiked Amount 5.000 Range 51 - 142 Recovery = 94.40%

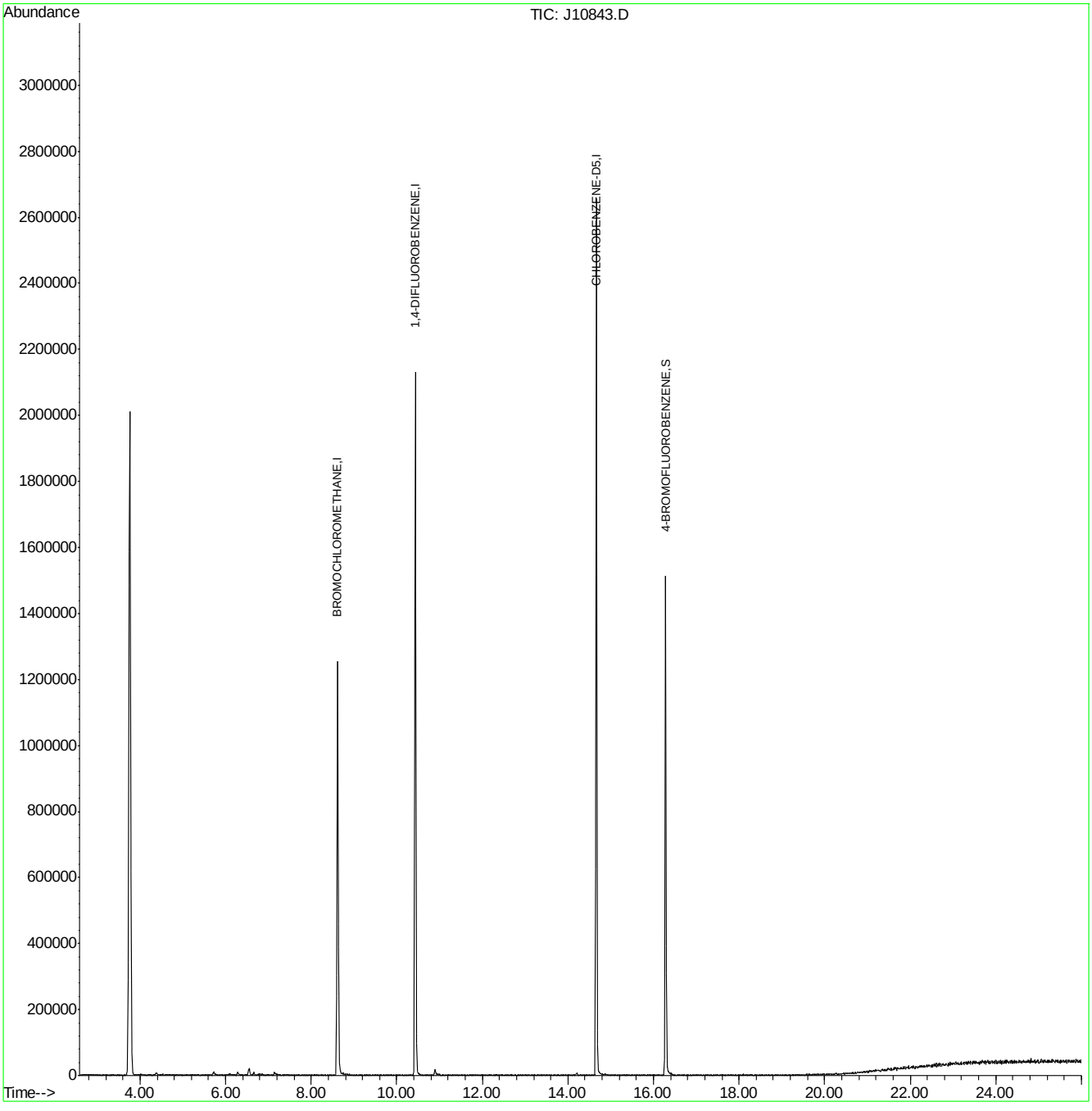
Target Compounds Qvalue

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

Quantitation Report (QT Reviewed)

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

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



Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
09/10/07 16:13

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J11226B.D
Acq On : 6 Sep 2007 9:51 pm
Operator : PhilipB
Sample : BS (M020)
Misc : MS14204, MSJ589,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 07 11:36:36 2007
Quant Method : C:\MSDCHEM\1\METHODS\J090607T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Sep 07 11:10:25 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.63	128	171856	10.00	PPBV	0.02
35) 1,4-DIFLUOROBENZENE	10.45	114	681136	10.00	PPBV	0.01
49) CHLOROBENZENE-D5	14.68	117	522689	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.30	95	156502	5.89	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 117.80%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.07	85	818837	10.44	PPBV	100
3) PROPYLENE	3.99	41	96524	8.60	PPBV	85
4) FREON 114	4.33	85	601404	9.65	PPBV	95
5) CHLOROMETHANE	4.23	50	123769	9.44	PPBV	83
6) VINYL CHLORIDE	4.45	62	157071	9.28	PPBV	97
7) 1,3-BUTADIENE	4.59	39	118932	9.44	PPBV	89
8) BROMOMETHANE	4.86	94	172501	9.13	PPBV	99
9) CHLOROETHANE	5.04	64	63912	9.16	PPBV	97
10) TRICHLOROFLUOROMETHANE	5.80	101	817975	10.15	PPBV	100
11) ISOPROPYL ALCOHOL	6.02	45	163047	8.32	PPBV	99
12) ACETONE	5.68	43	166409	8.20	PPBV	86
13) PENTANE	6.14	42	120652	8.97	PPBV #	82
14) 1,1-DICHLOROETHYLENE	6.42	96	156216	8.73	PPBV #	76
15) CARBON DISULFIDE	6.85	76	468269	9.36	PPBV	94
16) ETHANOL	5.26	45	30731m	8.30	PPBV	
17) BROMOETHENE	5.38	106	164334	8.86	PPBV #	96
18) METHYLENE CHLORIDE	6.55	84	128187	7.90	PPBV	99
19) 3-CHLOROPROPENE	6.66	39	177762	11.03	PPBV #	80
20) FREON 113	6.79	151	306539	8.80	PPBV	86
21) TRANS-1,2-DICHLOROETHYLENE	7.46	96	149175	9.28	PPBV	90
22) TERTIARY BUTYL ALCOHOL	6.60	59	253002	9.13	PPBV	81
23) METHYL TERTIARY BUTYL ETHE	7.75	73	359802	9.12	PPBV	95
24) TETRAHYDROFURAN	9.20	42	77440	8.72	PPBV	98
25) HEXANE	8.64	57	158727	7.64	PPBV	89
26) VINYL ACETATE	7.81	43	205813	8.10	PPBV	99
27) 1,1-DICHLOROETHANE	7.66	63	271379	9.61	PPBV	98
28) METHYL ETHYL KETONE	8.10	43	174864	9.02	PPBV	98
29) cis-1,2-DICHLOROETHYLENE	8.46	96	140818	9.40	PPBV	88
30) ETHYL ACETATE	8.71	43	167622	8.31	PPBV	99
31) CHLOROFORM	8.75	83	417488	9.92	PPBV	100
32) 1,1,1-TRICHLOROETHANE	9.69	97	502114	9.98	PPBV	98
33) CARBON TETRACHLORIDE	10.26	117	571188	9.93	PPBV	99
34) 1,2-DICHLOROETHANE	9.46	62	254253	10.05	PPBV	97
36) BENZENE	10.13	78	305788	9.20	PPBV	99
37) CYCLOHEXANE	10.37	84	158871	8.99	PPBV	91
38) TRICHLOROETHYLENE	11.12	95	172640	9.62	PPBV	87
39) 1,2-DICHLOROPROPANE	10.91	63	93959	9.30	PPBV #	73
40) BROMODICHLOROMETHANE	11.10	83	366648	10.00	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.13	57	492262	9.55	PPBV	95
42) 1,4-DIOXANE	11.20	88	49463	7.93	PPBV	93
43) HEPTANE	11.36	43	159909	9.27	PPBV	95

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J11226B.D
Acq On : 6 Sep 2007 9:51 pm
Operator : PhilipB
Sample : BS (M020)
Misc : MS14204, MSJ589,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 07 11:36:36 2007
Quant Method : C:\MSDCHEM\1\METHODS\J090607T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Sep 07 11:10:25 2007
Response via : Initial Calibration

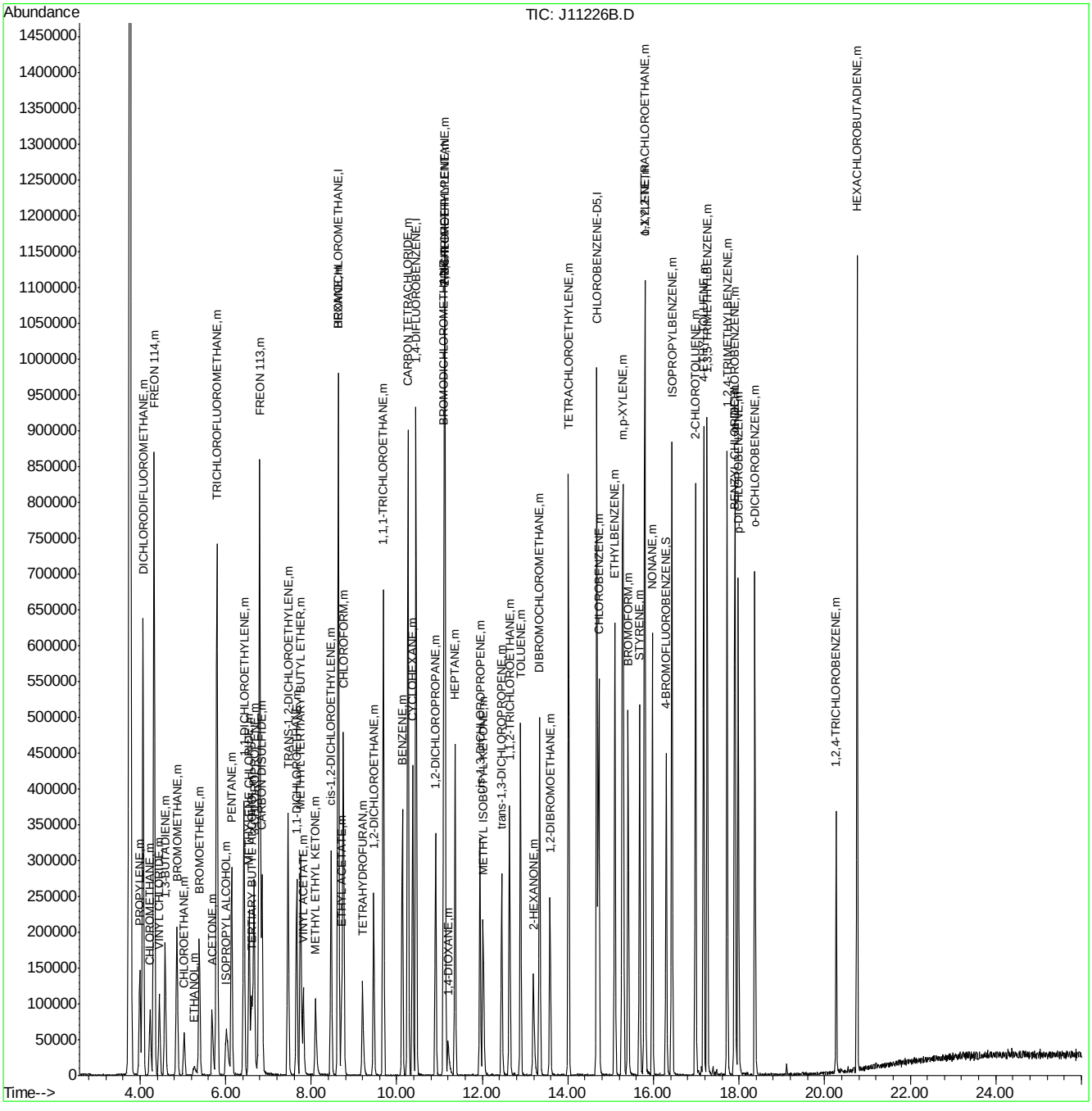
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.01	43	182854	9.26	PPBV	96
45) cis-1,3-DICHLOROPROPENE	11.94	75	166911	9.66	PPBV	91
46) TOLUENE	12.89	92	200266	7.50	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.45	75	179014	11.68	PPBV	100
48) 1,1,2-TRICHLOROETHANE	12.64	83	101862	9.41	PPBV	98
50) 2-HEXANONE	13.18	43	149606	7.89	PPBV	91
51) TETRACHLOROETHYLENE	14.01	164	156991	8.35	PPBV	86
52) DIBROMOCHLOROMETHANE	13.34	129	305009	9.59	PPBV	98
53) 1,2-DIBROMOETHANE	13.58	107	192716	9.53	PPBV	98
54) CHLOROBENZENE	14.72	112	272218	9.14	PPBV	92
55) ETHYLBENZENE	15.10	91	478774	9.14	PPBV	94
56) m,p-XYLENE	15.28	106	360996	18.85	PPBV #	77
57) o-XYLENE	15.79	106	193502	9.74	PPBV #	83
58) STYRENE	15.68	104	236393	9.95	PPBV	91
59) NONANE	15.97	43	203953	10.04	PPBV	96
60) BROMOFORM	15.41	173	246591	9.82	PPBV	96
62) 1,1,2,2-TETRACHLOROETHANE	15.80	83	250031	9.76	PPBV	97
63) ISOPROPYLBENZENE	16.43	105	613603	10.17	PPBV	95
64) 2-CHLOROTOLUENE	16.98	91	441610	10.07	PPBV	94
65) 4-ETHYLTOLUENE	17.17	105	528615	9.77	PPBV	97
66) 1,3,5-TRIMETHYLBENZENE	17.25	105	483161	9.90	PPBV	92
67) 1,2,4-TRIMETHYLBENZENE	17.72	105	452725	10.15	PPBV	92
68) m-DICHLOROBENZENE	17.91	146	266306	8.61	PPBV	97
69) BENZYL CHLORIDE	17.89	91	285783	8.10	PPBV	96
70) p-DICHLOROBENZENE	17.98	146	253380	10.44	PPBV	96
71) o-DICHLOROBENZENE	18.37	146	246458	10.54	PPBV	95
72) HEXACHLOROBUTADIENE	20.76	225	160646	9.39	PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.27	180	82182	7.89	PPBV	95

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J11226B.D
Acq On : 6 Sep 2007 9:51 pm
Operator : PhilipB
Sample : BS (M020)
Misc : MS14204, MSJ589,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 07 11:36:36 2007
Quant Method : C:\MSDCHEM\1\METHODS\J090607T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Sep 07 11:10:25 2007
Response via : Initial Calibration



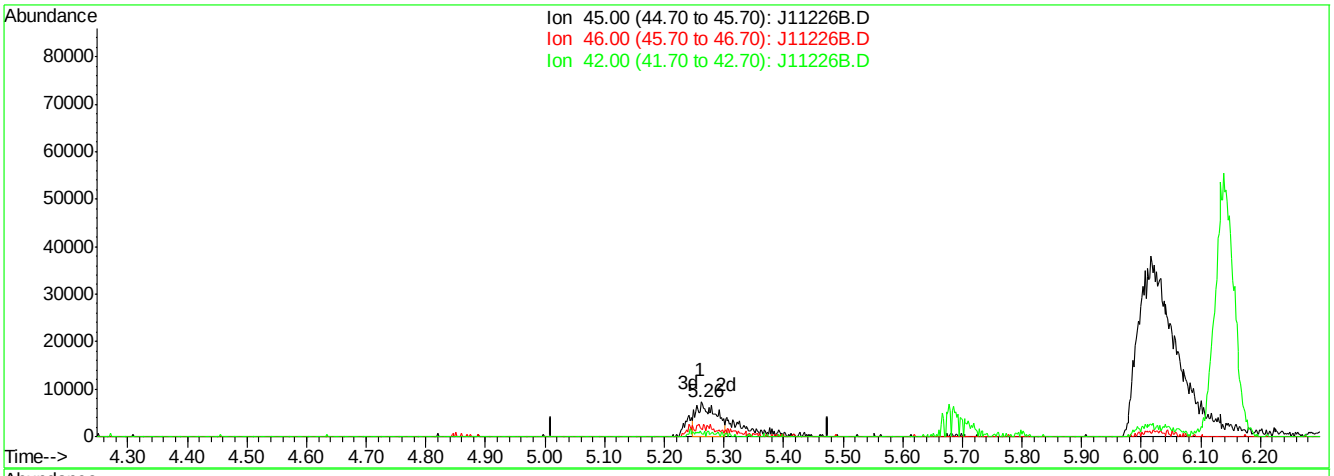
ACCUTEST Laboratories M67493

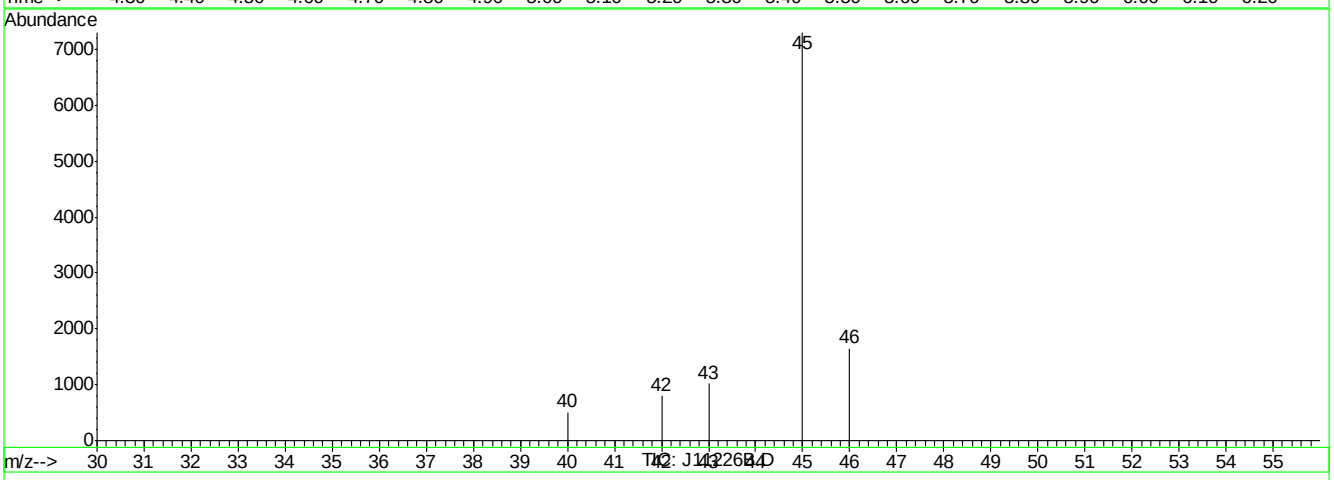
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11226B.D Vial: 4
Acq On : 6 Sep 2007 9:51 pm Operator: PhilipB
Sample : BS (M020) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 11:36:18 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:10:25 2007
Response via : Multiple Level Calibration





(16) ETHANOL (m)

5.26min 4.35PPBV

response 16102

Ion	Exp%	Act%
45.00	100	100
46.00	34.00	31.93
42.00	9.40	4.96
0.00	0.00	0.00

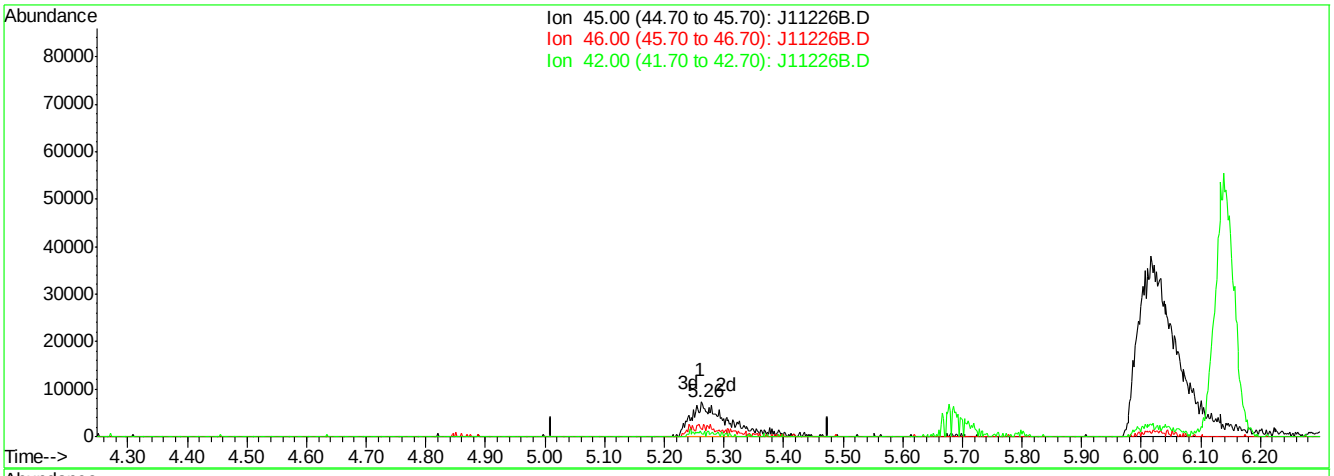
J11226B.D J090607T.M Fri Sep 07 11:36:28 2007

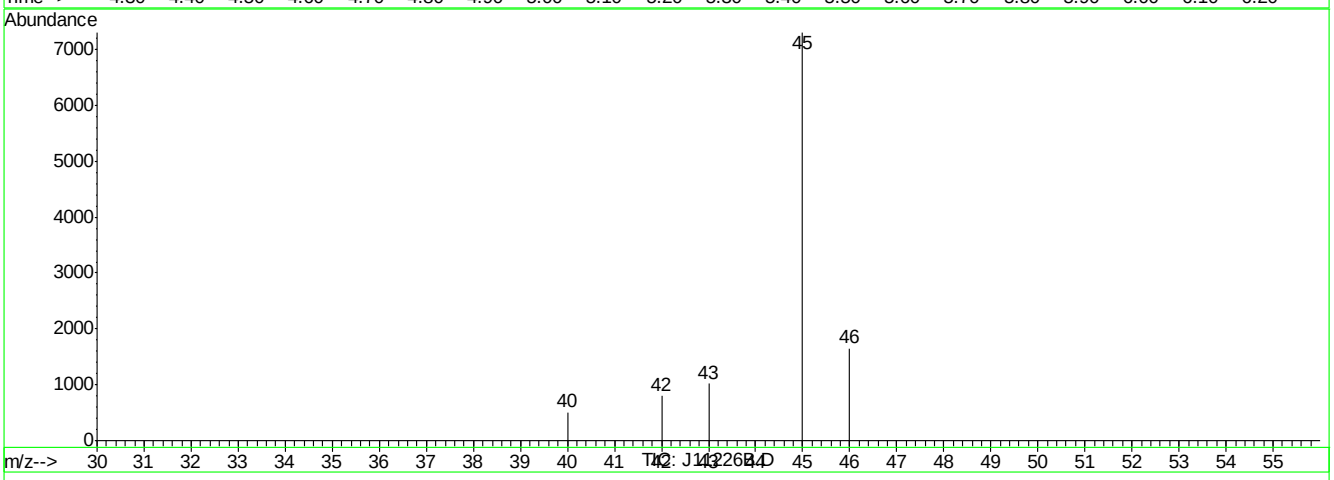
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11226B.D Vial: 4
Acq On : 6 Sep 2007 9:51 pm Operator: PhilipB
Sample : BS (M020) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 11:36:18 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:10:25 2007
Response via : Multiple Level Calibration





(16) ETHANOL (m)

5.26min 8.30PPBV m

response 30731

Ion	Exp%	Act%
45.00	100	100
46.00	34.00	16.73
42.00	9.40	2.60
0.00	0.00	0.00

J11226B.D J090607T.M Fri Sep 07 11:36:32 2007

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

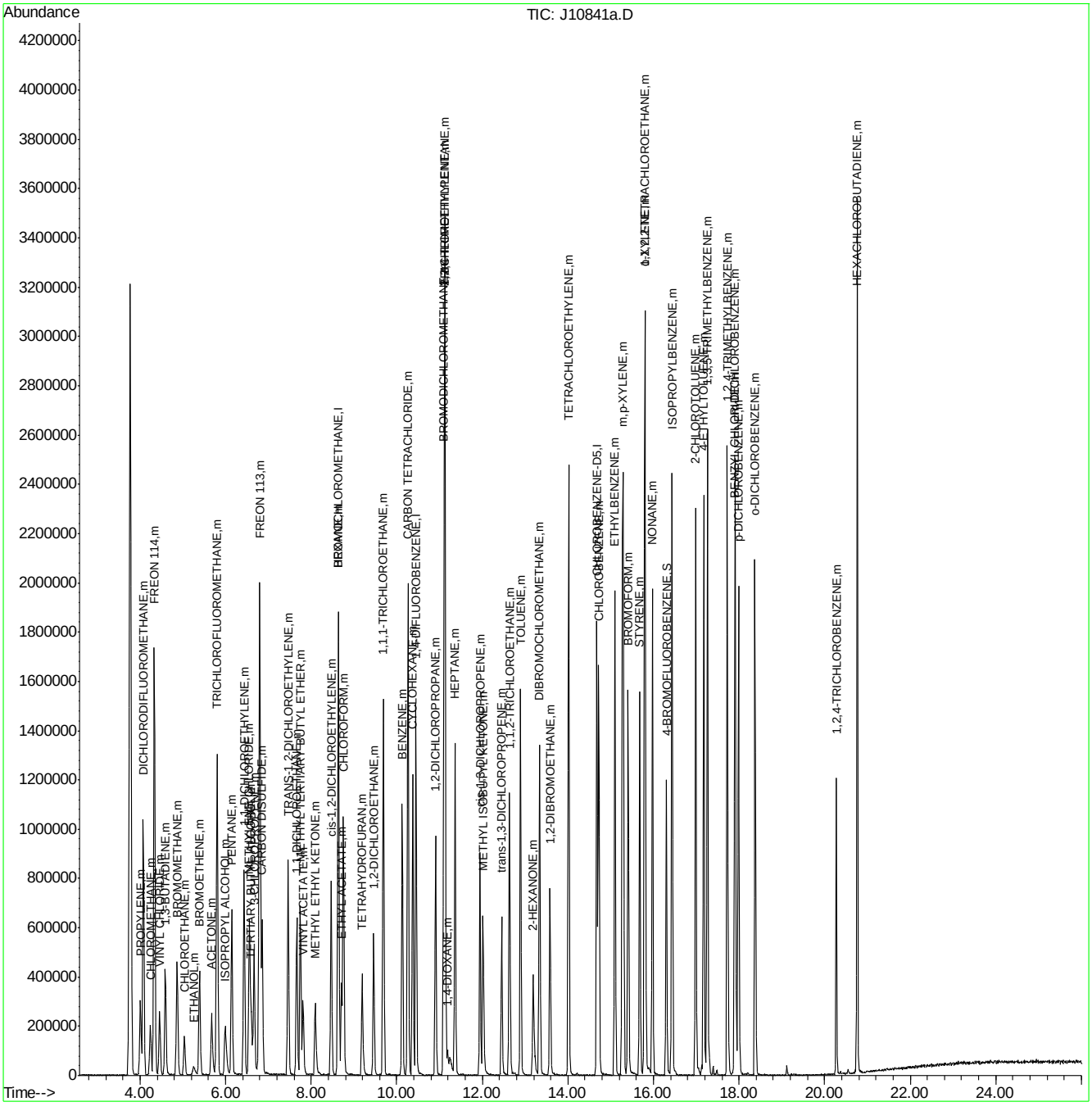
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.01	43	539941	15.25	PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.94	75	468418	13.44	PPBV	99
46) TOLUENE	12.89	92	670460	17.30	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.45	75	367062	10.82	PPBV	100
48) 1,1,2-TRICHLOROETHANE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

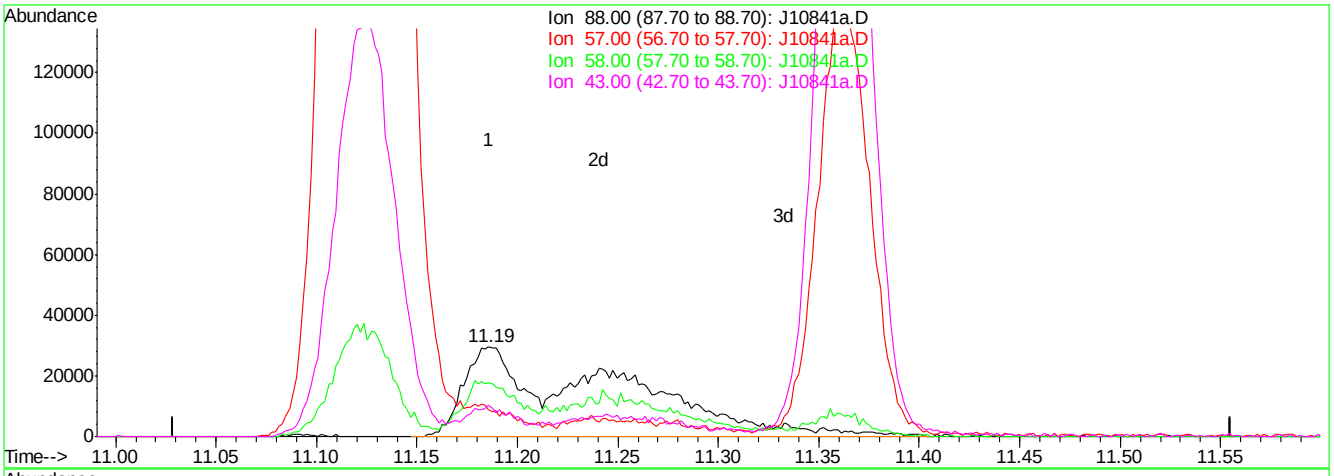


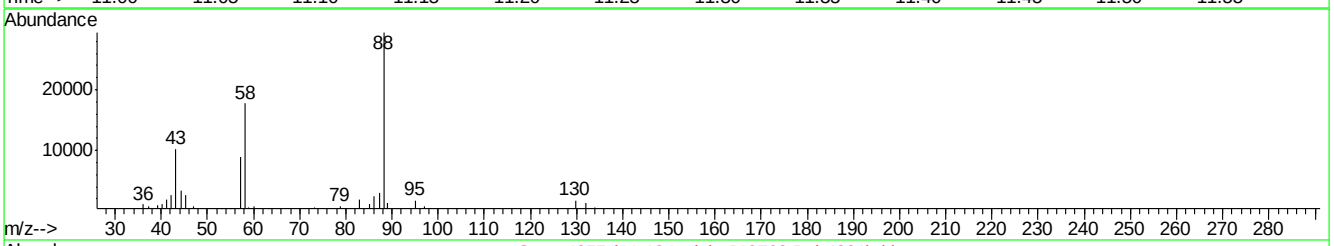
Quantitation Report (Qedit)

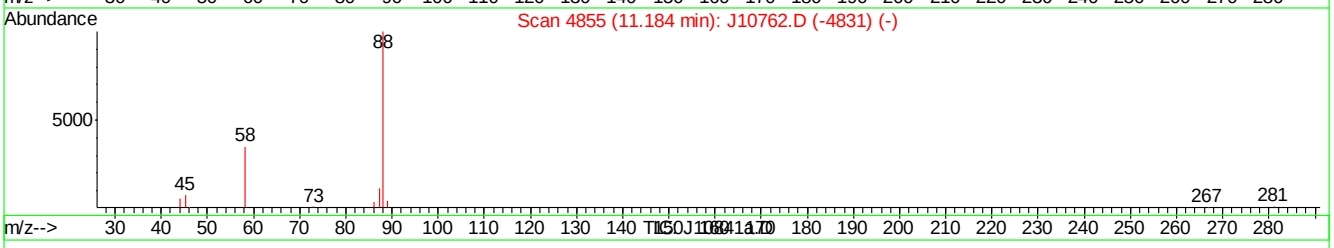
Data File : C:\MSDCHEM\1\DATA\J10841a.D Vial: 1
Acq On : 3 Jul 2007 11:46 am Operator: danat
Sample : bs (M080) Inst : MSJ
Misc : MS13762, MSJ561,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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
09/10/07 16:13

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J11230.D
Acq On : 7 Sep 2007 2:23 pm
Operator : PhilipB
Sample : M67493-2DUP
Misc : MS14255, MSJ590,,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 07 15:21:55 2007
Quant Method : C:\MSDCHEM\1\METHODS\J090607T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Sep 07 11:10:25 2007
Response via : Initial Calibration

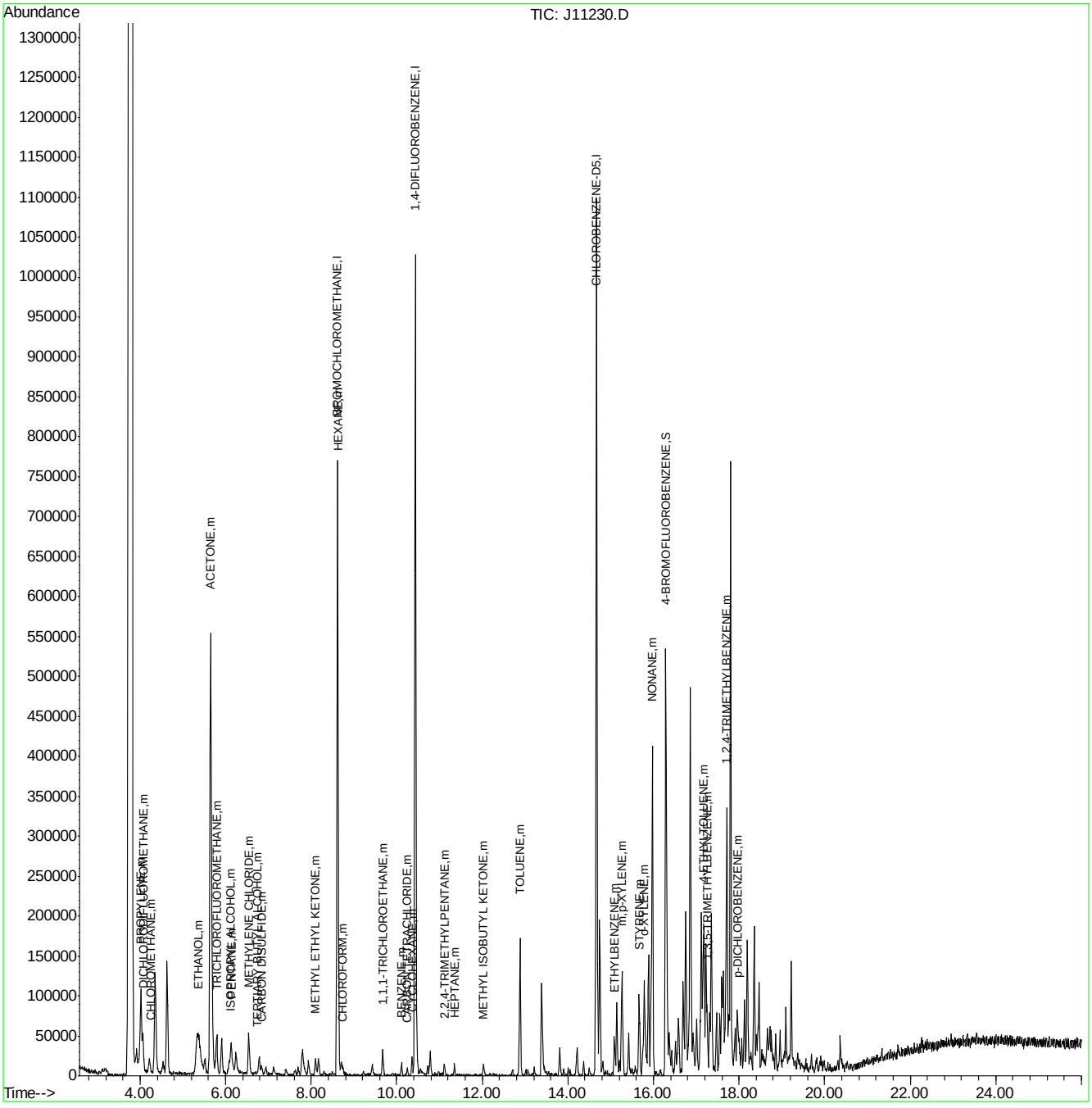
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	200677	10.00	PPBV		0.00
35) 1,4-DIFLUOROBENZENE	10.43	114	759247	10.00	PPBV		0.00
49) CHLOROBENZENE-D5	14.67	117	569763	10.00	PPBV		0.00
System Monitoring Compounds							
61) 4-BROMOFLUOROBENZENE	16.29	95	157582	5.44	PPBV		0.00
Spiked Amount 5.000	Range 51 - 142		Recovery = 108.80%				
Target Compounds							Qvalue
2) DICHLORODIFLUOROMETHANE	4.06	85	57394	0.63	PPBV		94
3) PROPYLENE	4.01	41	34853	2.66	PPBV	#	36
5) CHLOROMETHANE	4.24	50	10411	0.68	PPBV		78
10) TRICHLOROFLUOROMETHANE	5.79	101	49901	0.53	PPBV		96
11) ISOPROPYL ALCOHOL	6.10	45	94955m	4.15	PPBV		
12) ACETONE	5.65	43	897311	37.87	PPBV		89
13) PENTANE	6.13	42	12547m	0.80	PPBV		
15) CARBON DISULFIDE	6.84	76	17312	0.30	PPBV		86
16) ETHANOL	5.37	45	214178m	49.55	PPBV		
18) METHYLENE CHLORIDE	6.54	84	15443	1.07	PPBV		97
22) TERTIARY BUTYL ALCOHOL	6.74	59	12041m	0.37	PPBV		
25) HEXANE	8.63	57	14407	0.59	PPBV		87
28) METHYL ETHYL KETONE	8.09	43	30968	1.37	PPBV		99
31) CHLOROFORM	8.74	83	4896m	0.10	PPBV		
32) 1,1,1-TRICHLOROETHANE	9.67	97	21390	0.36	PPBV		94
33) CARBON TETRACHLORIDE	10.24	117	4963	0.07	PPBV		87
36) BENZENE	10.11	78	12589	0.34	PPBV		97
37) CYCLOHEXANE	10.35	84	7475	0.38	PPBV	#	76
41) 2,2,4-TRIMETHYLPENTANE	11.11	57	9601	0.17	PPBV		93
43) HEPTANE	11.34	43	4967	0.26	PPBV		84
44) METHYL ISOBUTYL KETONE	12.03	43	6103m	0.28	PPBV		
46) TOLUENE	12.88	92	66819	2.25	PPBV		96
55) ETHYLBENZENE	15.08	91	32424	0.57	PPBV		96
56) m,p-XYLENE	15.26	106	26489	1.27	PPBV	#	90
57) o-XYLENE	15.78	106	27698	1.28	PPBV		88
58) STYRENE	15.67	104	12185	0.47	PPBV		88
59) NONANE	15.98	43	138362	6.25	PPBV		96
65) 4-ETHYLTOLUENE	17.17	105	55495	0.94	PPBV		94
66) 1,3,5-TRIMETHYLBENZENE	17.25	105	44291	0.83	PPBV		93
67) 1,2,4-TRIMETHYLBENZENE	17.72	105	143242	2.95	PPBV		93
70) p-DICHLOROBENZENE	17.98	146	6513	0.25	PPBV	#	81

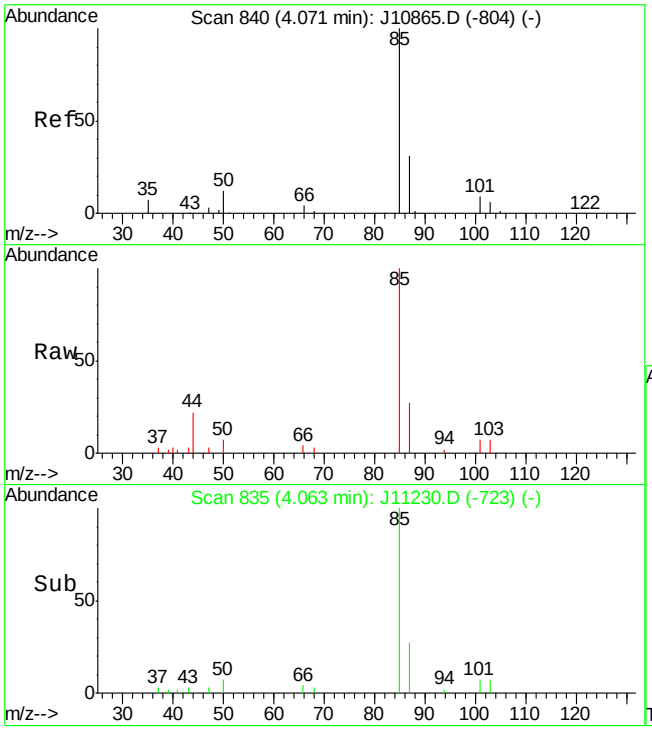
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J11230.D
Acq On : 7 Sep 2007 2:23 pm
Operator : PhilipB
Sample : M67493-2DUP
Misc : MS14255, MSJ590,,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 07 15:21:55 2007
Quant Method : C:\MSDCHEM\1\METHODS\J090607T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Sep 07 11:10:25 2007
Response via : Initial Calibration

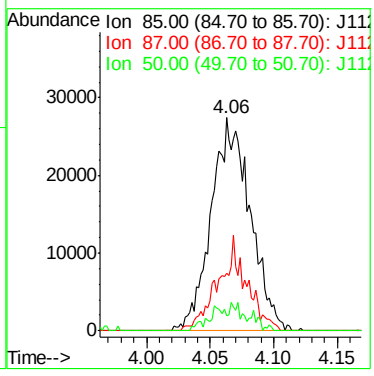


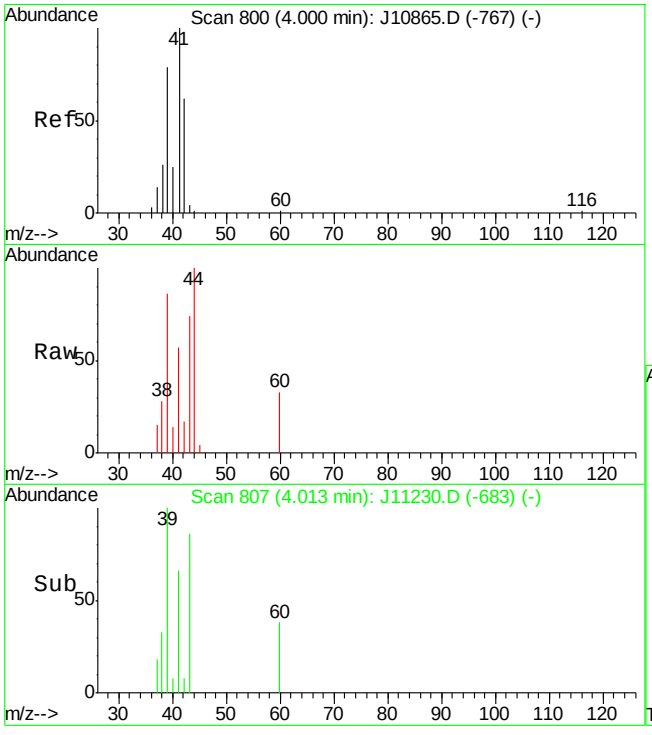


#2
DICHLORODIFLUOROMETHANE
Concen: 0.63 PPBV
RT: 4.06 min Scan# 835
Delta R.T. -0.01 min
Lab File: J11230.D
Acq: 7 Sep 2007 2:23 pm

Tgt Ion: 85 Resp: 57394

Ion	Ratio	Lower	Upper
85	100		
87	32.1	12.9	52.9
50	5.9	0.0	32.5

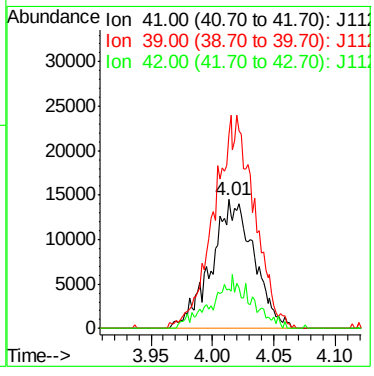


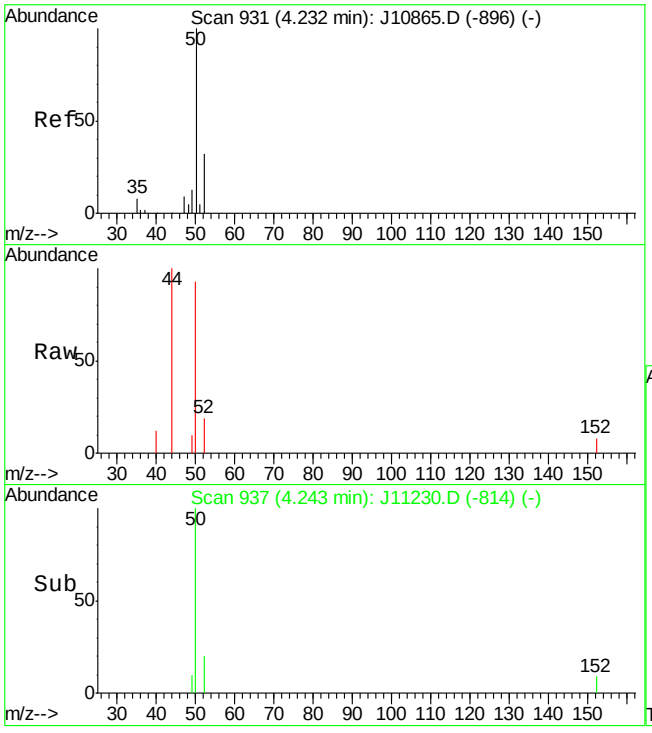


#3
PROPYLENE
Concen: 2.66 PPBV
RT: 4.01 min Scan# 807
Delta R.T. 0.01 min
Lab File: J11230.D
Acq: 7 Sep 2007 2:23 pm

Tgt Ion: 41 Resp: 34853

Ion	Ratio	Lower	Upper
41	100		
39	150.9	59.4	99.4#
42	30.6	42.3	82.3#

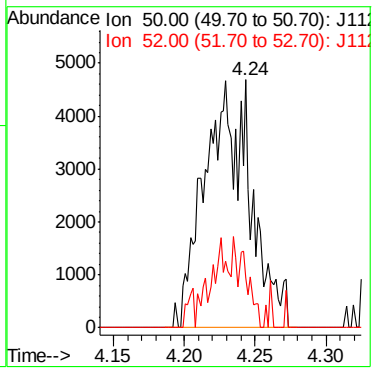


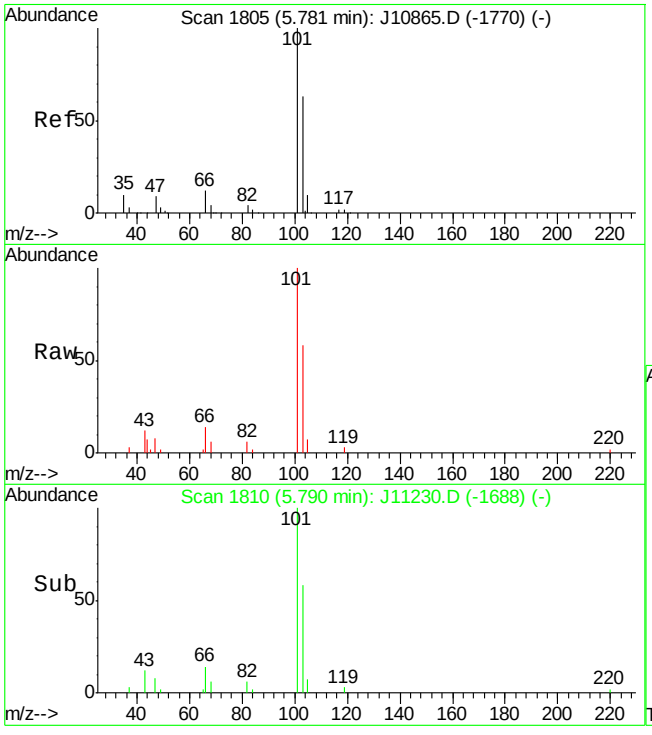


#5
CHLOROMETHANE
Concen: 0.68 PPBV
RT: 4.24 min Scan# 937
Delta R.T. 0.01 min
Lab File: J11230.D
Acq: 7 Sep 2007 2:23 pm

Tgt Ion: 50 Resp: 10411

Ion	Ratio	Lower	Upper
50	100		
52	20.3	12.6	52.6

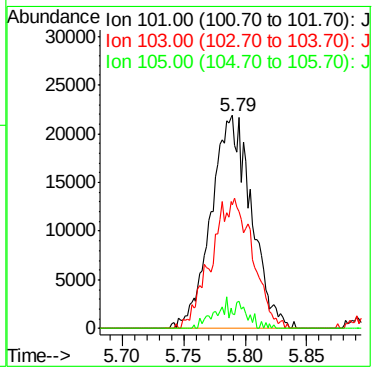


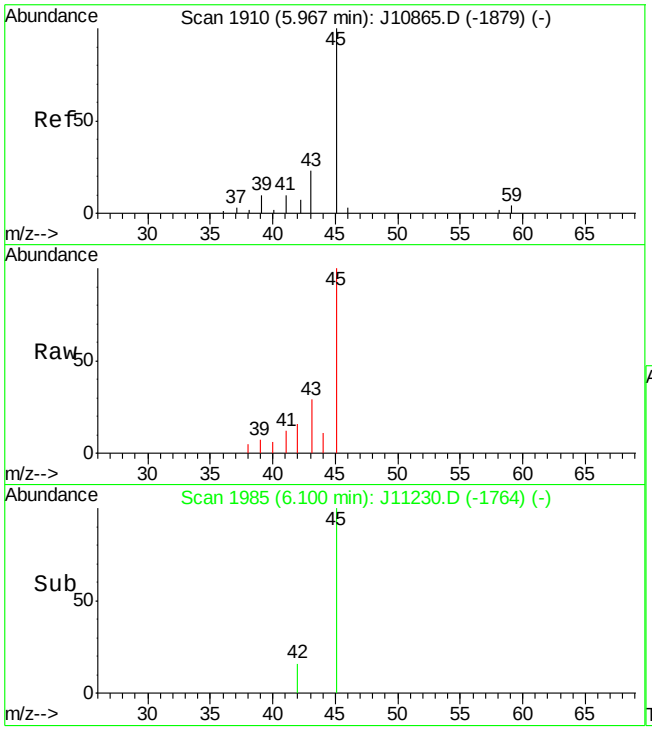


#10
TRICHLOROFLUOROMETHANE
Concen: 0.53 PPBV
RT: 5.79 min Scan# 1810
Delta R.T. 0.01 min
Lab File: J11230.D
Acq: 7 Sep 2007 2:23 pm

Tgt Ion:101 Resp: 49901

Ion	Ratio	Lower	Upper
101	100		
103	63.0	44.8	84.8
105	5.6	0.0	30.6

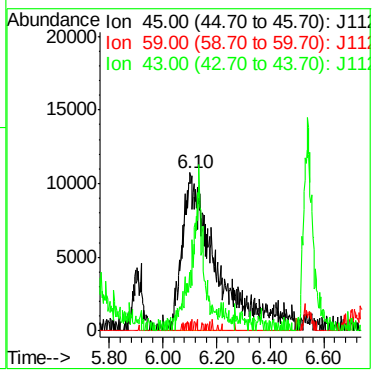


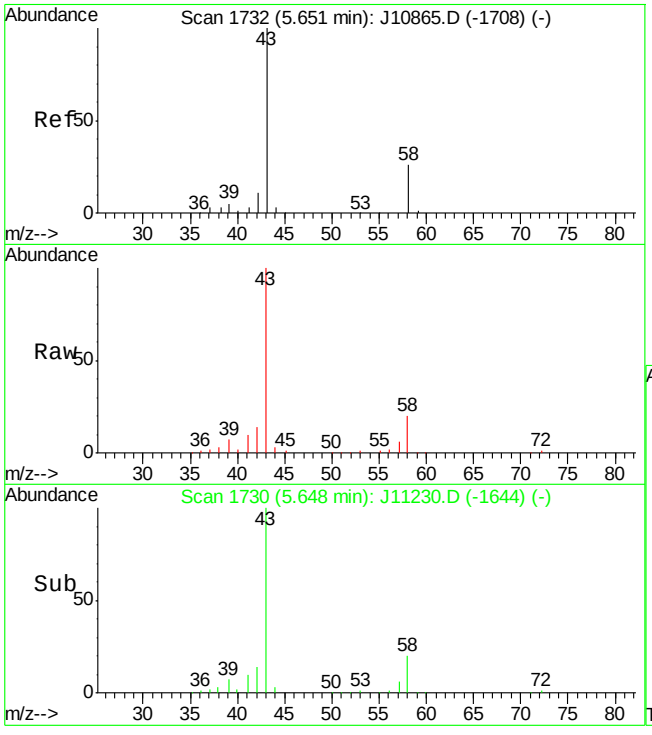


#11
ISOPROPYL ALCOHOL
Concen: 4.15 PPBV m
RT: 6.10 min Scan# 1985
Delta R.T. 0.13 min
Lab File: J11230.D
Acq: 7 Sep 2007 2:23 pm

Tgt Ion: 45 Resp: 94955

Ion	Ratio	Lower	Upper
45	100		
59	0.0	0.0	23.6
43	28.7	4.2	44.2

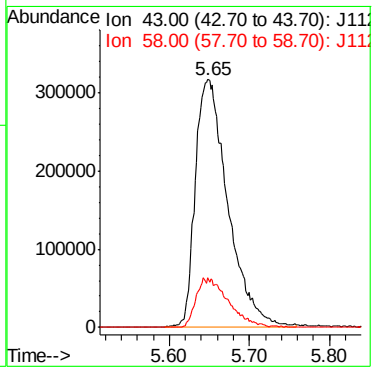


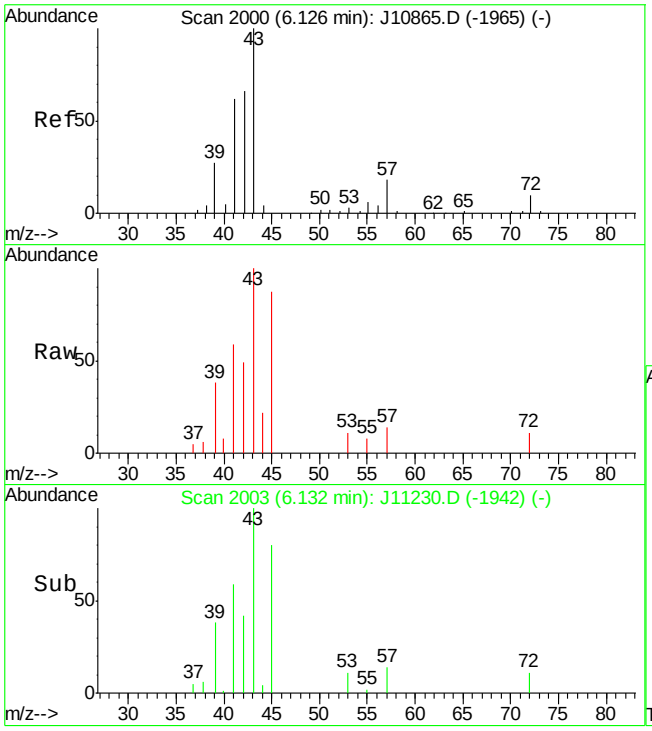


#12
ACETONE
Concen: 37.87 PPBV
RT: 5.65 min Scan# 1730
Delta R.T. -0.00 min
Lab File: J11230.D
Acq: 7 Sep 2007 2:23 pm

Tgt Ion: 43 Resp: 897311

Ion	Ratio	Lower	Upper
43	100		
58	20.0	5.6	45.6

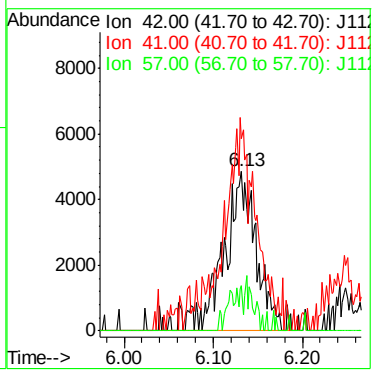


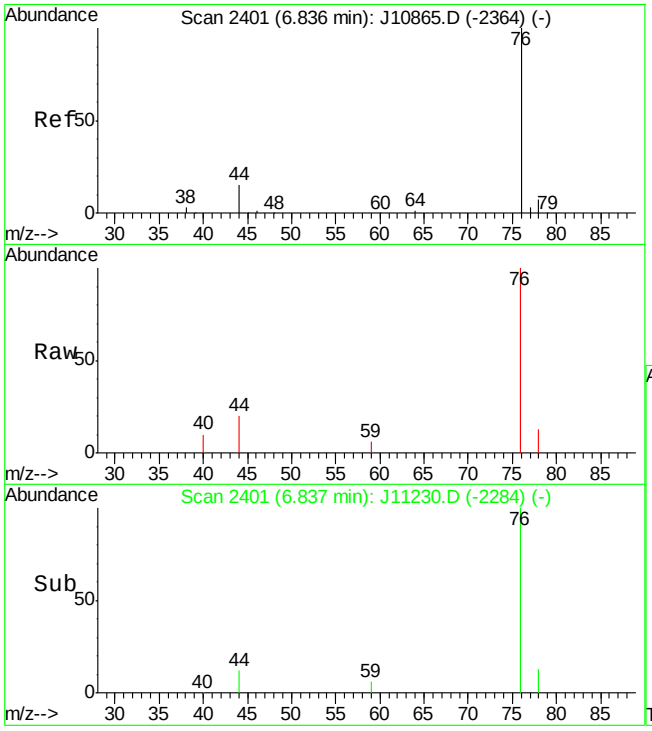


#13
PENTANE
Concen: 0.80 PPBV m
RT: 6.13 min Scan# 2003
Delta R.T. 0.01 min
Lab File: J11230.D
Acq: 7 Sep 2007 2:23 pm

Tgt Ion: 42 Resp: 12547

Ion	Ratio	Lower	Upper
42	100		
41	127.8	76.6	116.6#
57	11.3	4.5	44.5

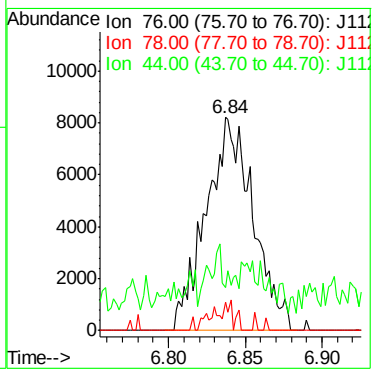


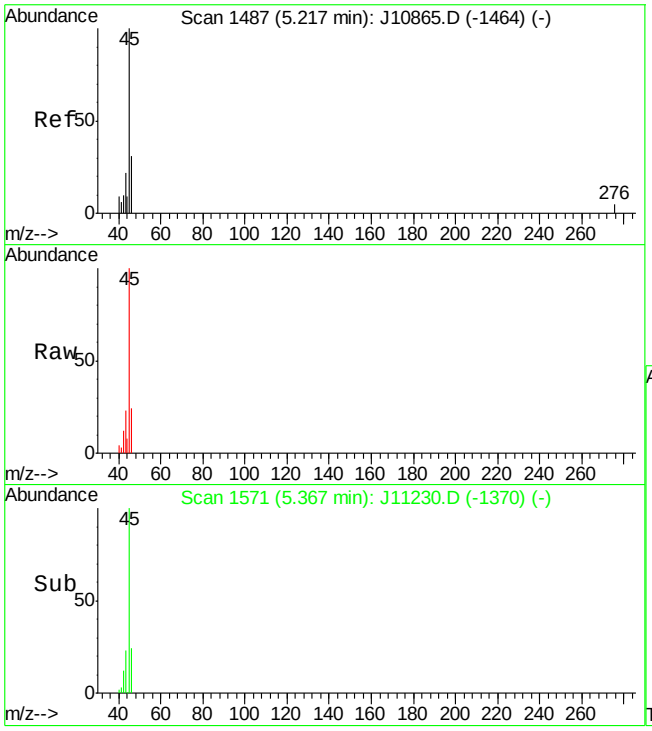


#15
CARBON DISULFIDE
Concen: 0.30 PPBV
RT: 6.84 min Scan# 2401
Delta R.T. 0.00 min
Lab File: J11230.D
Acq: 7 Sep 2007 2:23 pm

Tgt Ion: 76 Resp: 17312

Ion	Ratio	Lower	Upper
76	100		
78	5.7	0.0	29.6
44	9.3	0.0	36.2

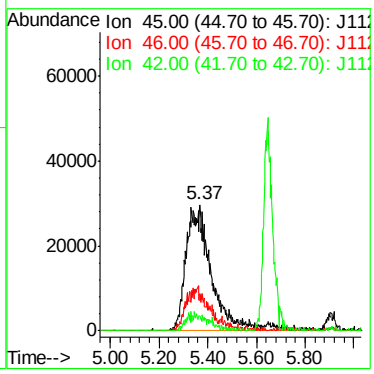


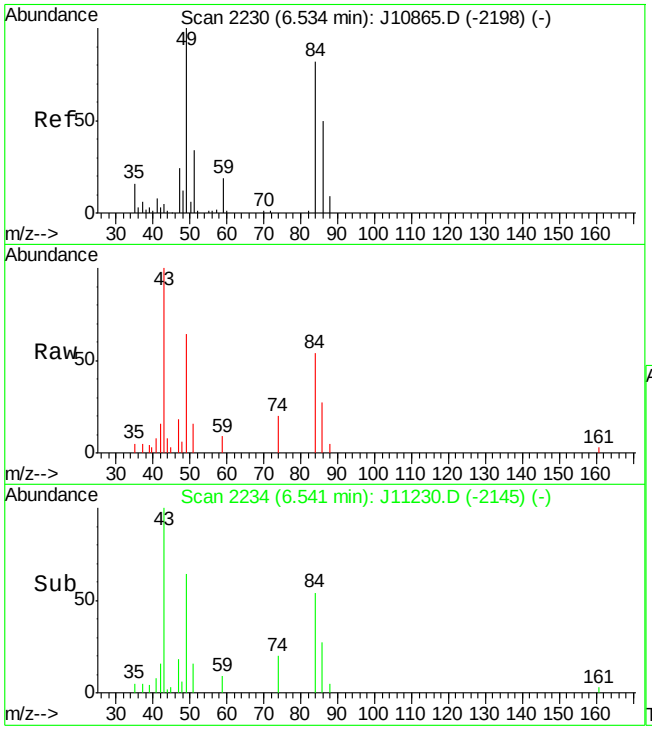


#16
ETHANOL
Concen: 49.55 PPBV m
RT: 5.37 min Scan# 1571
Delta R.T. 0.15 min
Lab File: J11230.D
Acq: 7 Sep 2007 2:23 pm

Tgt Ion: 45 Resp: 214178

Ion	Ratio	Lower	Upper
45	100		
46	28.4	14.0	54.0
42	0.0	0.0	29.4

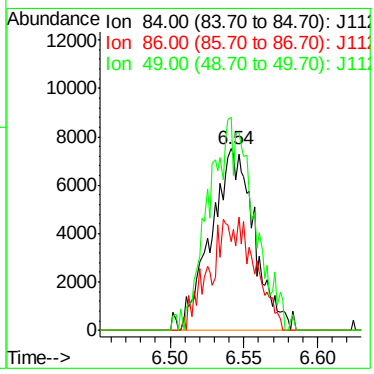


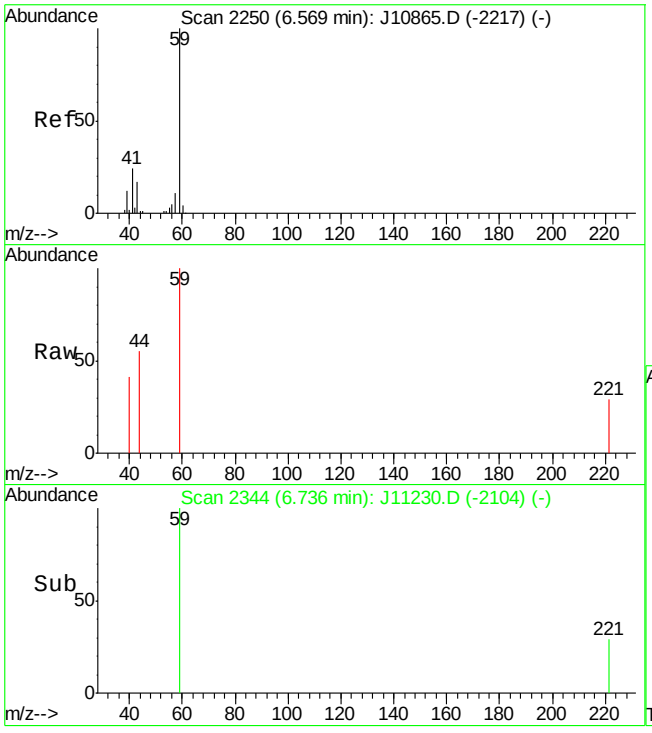


#18
METHYLENE CHLORIDE
Concen: 1.07 PPBV
RT: 6.54 min Scan# 2234
Delta R.T. 0.01 min
Lab File: J11230.D
Acq: 7 Sep 2007 2:23 pm

Tgt Ion: 84 Resp: 15443

Ion	Ratio	Lower	Upper
84	100		
86	63.4	44.2	84.2
49	122.6	0.0	327.7

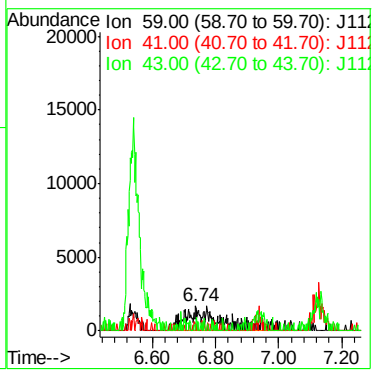


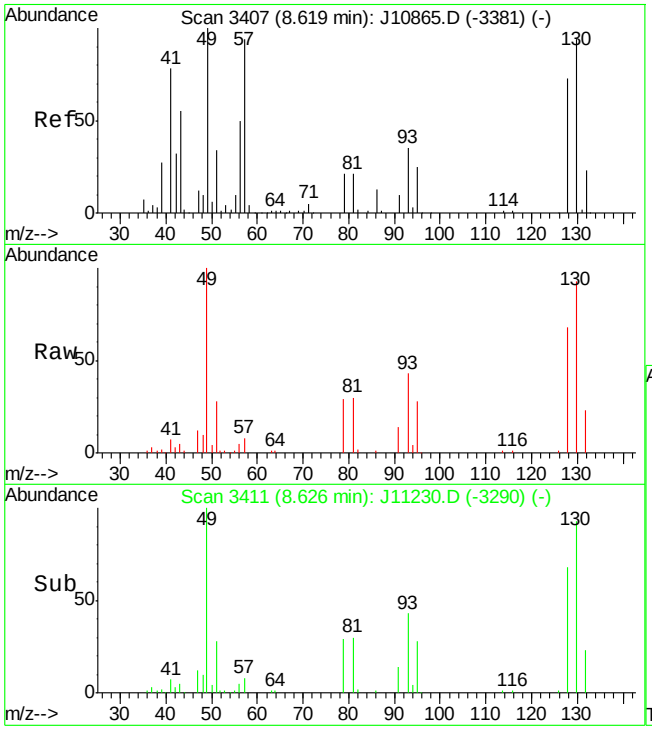


#22
TERTIARY BUTYL ALCOHOL
Concen: 0.37 PPBV m
RT: 6.74 min Scan# 2344
Delta R.T. 0.17 min
Lab File: J11230.D
Acq: 7 Sep 2007 2:23 pm

Tgt Ion: 59 Resp: 12041

Ion	Ratio	Lower	Upper
59	100		
41	4.9	3.8	43.8
43	0.0	0.0	38.4

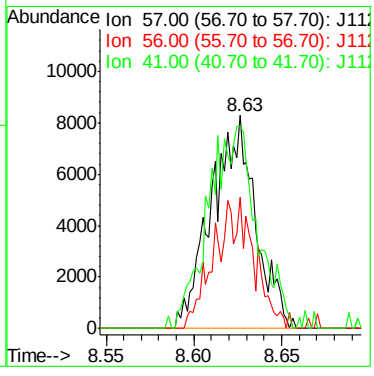


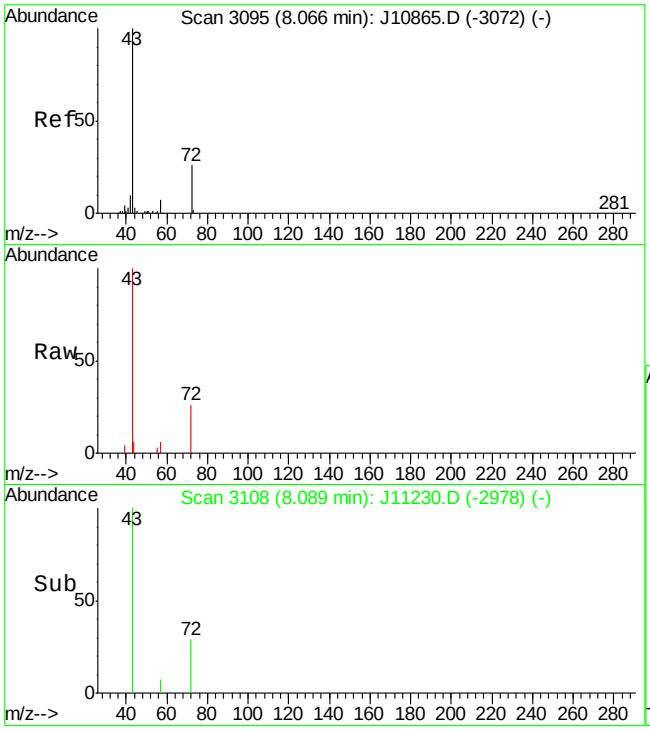


#25
HEXANE
Concen: 0.59 PPBV
RT: 8.63 min Scan# 3411
Delta R.T. 0.01 min
Lab File: J11230.D
Acq: 7 Sep 2007 2:23 pm

Tgt Ion: 57 Resp: 14407

Ion	Ratio	Lower	Upper
57	100		
56	55.4	38.5	78.5
41	106.1	68.1	108.1

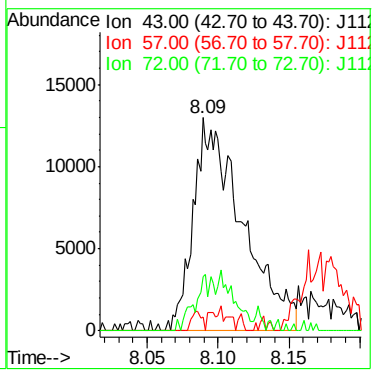


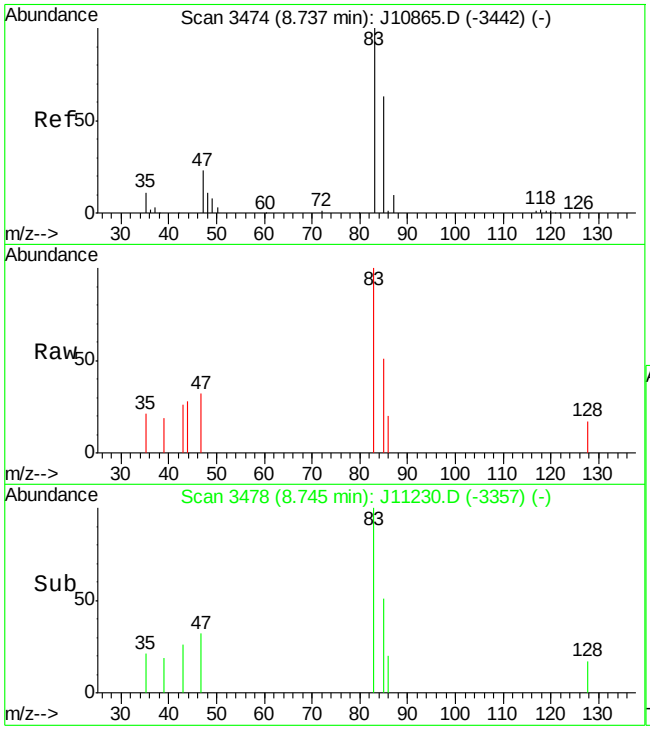


#28
METHYL ETHYL KETONE
Concen: 1.37 PPBV
RT: 8.09 min Scan# 3108
Delta R.T. 0.02 min
Lab File: J11230.D
Acq: 7 Sep 2007 2:23 pm

Tgt Ion: 43 Resp: 30968

Ion	Ratio	Lower	Upper
43	100		
57	6.4	0.0	27.4
72	25.6	5.7	45.7

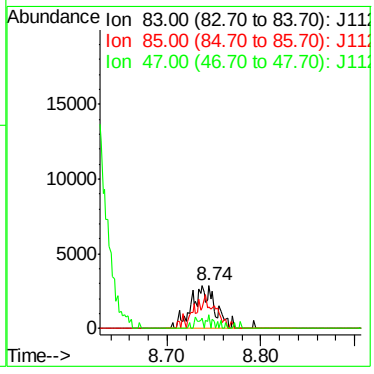


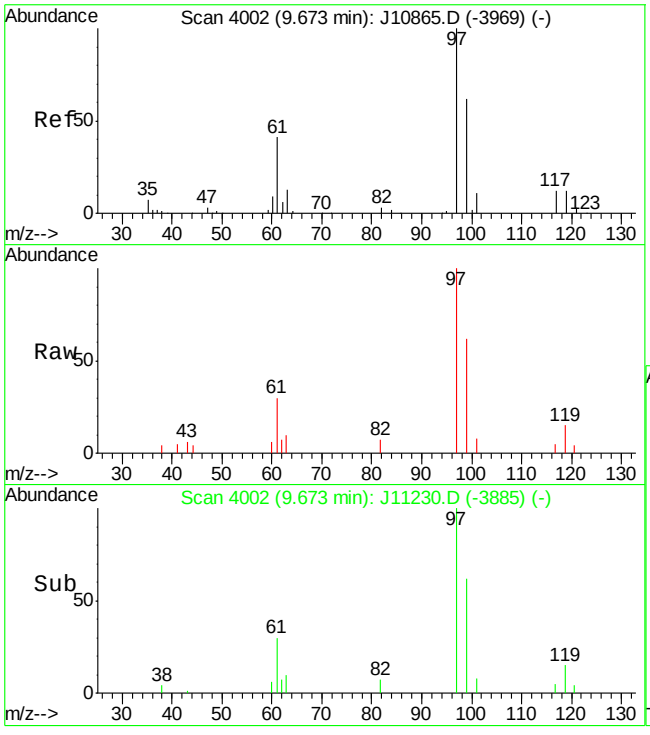


#31
CHLOROFORM
Concen: 0.10 PPBV m
RT: 8.74 min Scan# 3478
Delta R.T. 0.01 min
Lab File: J11230.D
Acq: 7 Sep 2007 2:23 pm

Tgt Ion: 83 Resp: 4896

Ion	Ratio	Lower	Upper
83	100		
85	65.5	44.3	84.3
47	0.0	4.3	44.3#

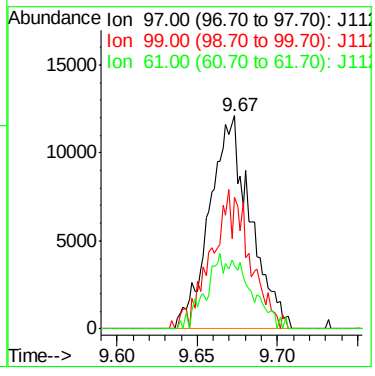


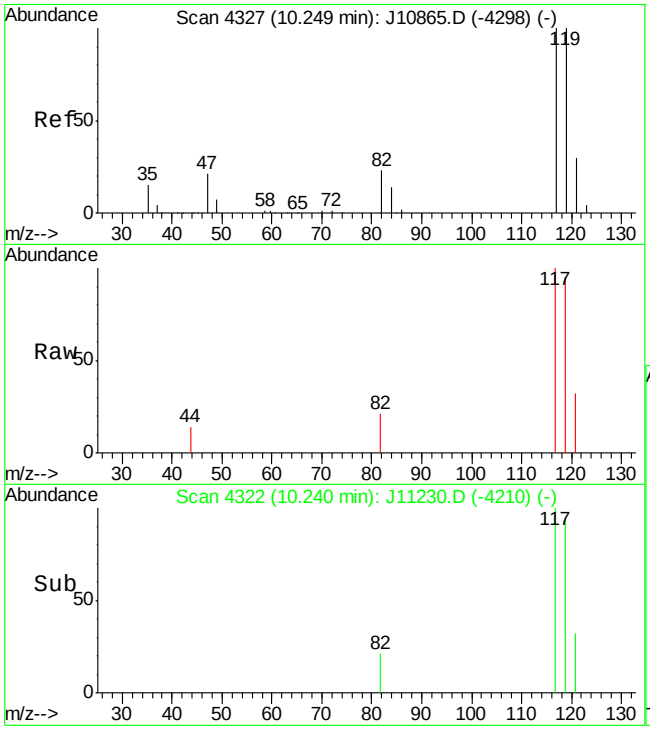


#32
1,1,1-TRICHLOROETHANE
Concen: 0.36 PPBV
RT: 9.67 min Scan# 4002
Delta R.T. 0.00 min
Lab File: J11230.D
Acq: 7 Sep 2007 2:23 pm

Tgt Ion: 97 Resp: 21390

Ion	Ratio	Lower	Upper
97	100		
99	61.7	44.6	84.6
61	36.8	22.4	62.4

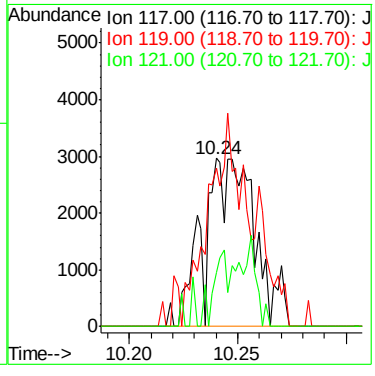


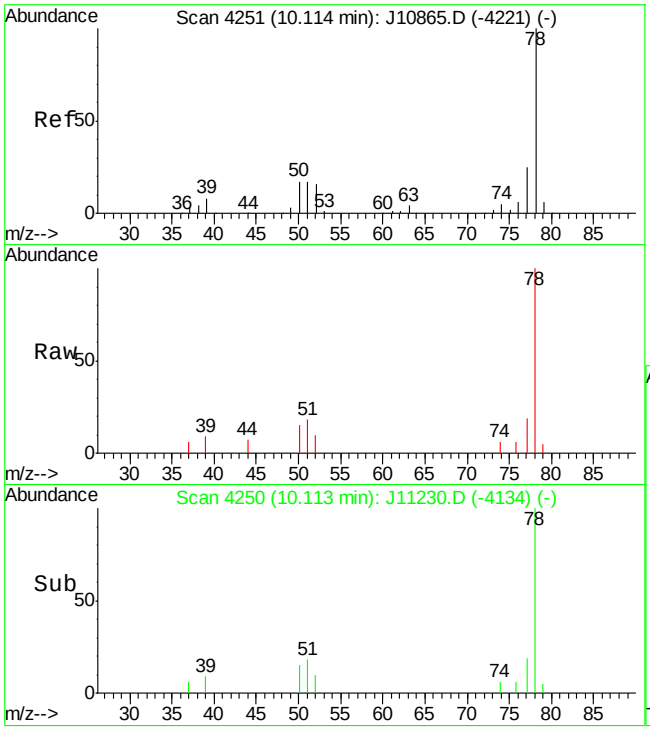


#33
CARBON TETRACHLORIDE
Concen: 0.07 PPBV
RT: 10.24 min Scan# 4322
Delta R.T. -0.01 min
Lab File: J11230.D
Acq: 7 Sep 2007 2:23 pm

Tgt Ion:117 Resp: 4963

Ion	Ratio	Lower	Upper
117	100		
119	103.5	77.4	117.4
121	11.6	11.0	51.0

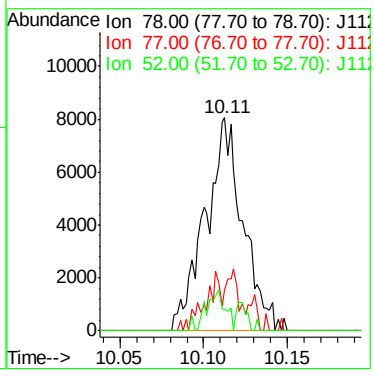


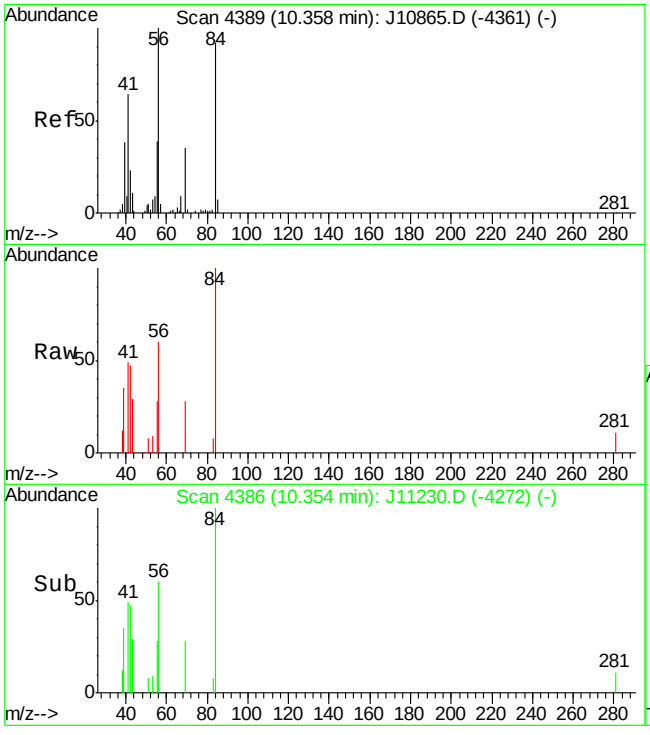


#36
BENZENE
Concen: 0.34 PPBV
RT: 10.11 min Scan# 4250
Delta R.T. -0.00 min
Lab File: J11230.D
Acq: 7 Sep 2007 2:23 pm

Tgt Ion: 78 Resp: 12589

Ion	Ratio	Lower	Upper
78	100		
77	25.2	4.3	44.3
52	13.6	0.0	35.7

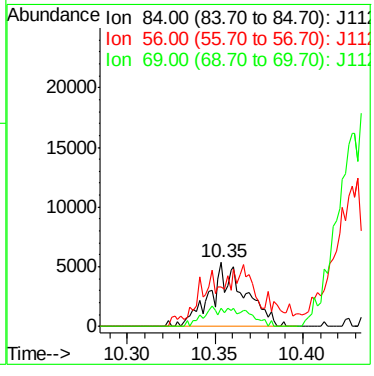


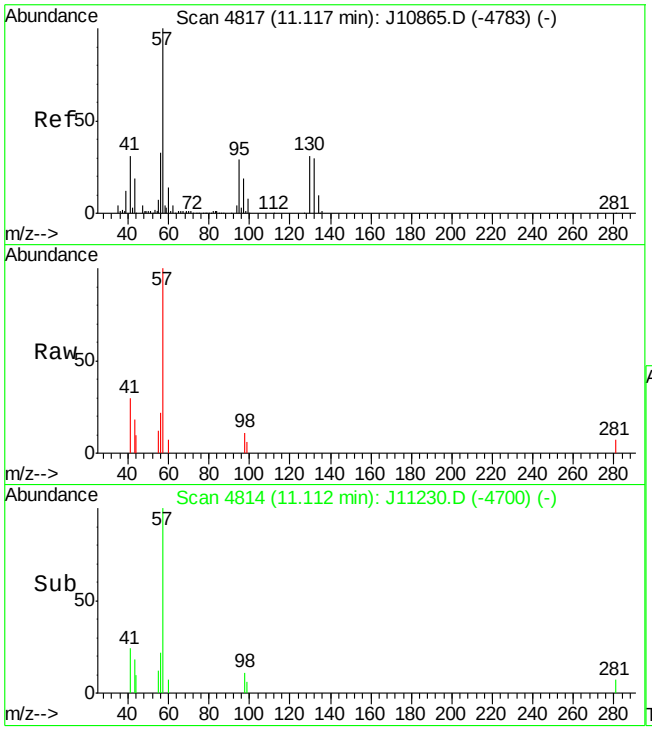


#37
CYCLOHEXANE
Concen: 0.38 PPBV
RT: 10.35 min Scan# 4386
Delta R.T. -0.00 min
Lab File: J11230.D
Acq: 7 Sep 2007 2:23 pm

Tgt Ion: 84 Resp: 7475

Ion	Ratio	Lower	Upper
84	100		
56	145.0	90.5	130.5#
69	37.6	17.7	57.7

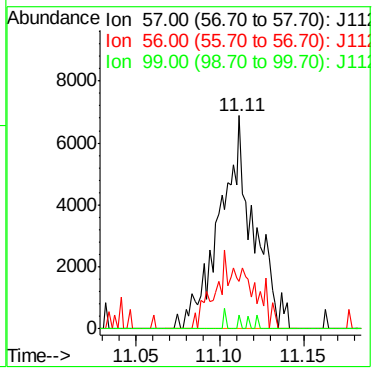


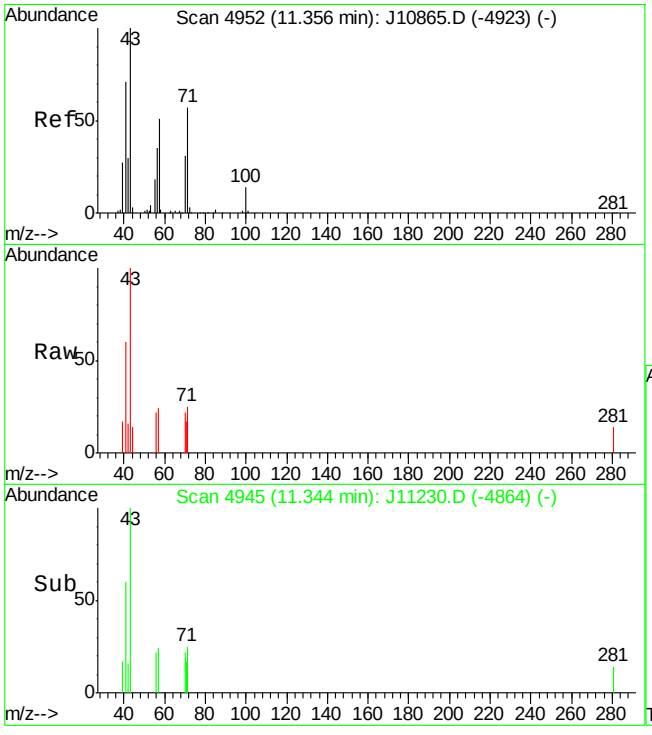


#41
2,2,4-TRIMETHYLPENTANE
Concen: 0.17 PPBV
RT: 11.11 min Scan# 4814
Delta R.T. -0.00 min
Lab File: J11230.D
Acq: 7 Sep 2007 2:23 pm

Tgt Ion: 57 Resp: 9601

Ion	Ratio	Lower	Upper
57	100		
56	37.0	15.1	55.1
99	0.7	0.0	28.4

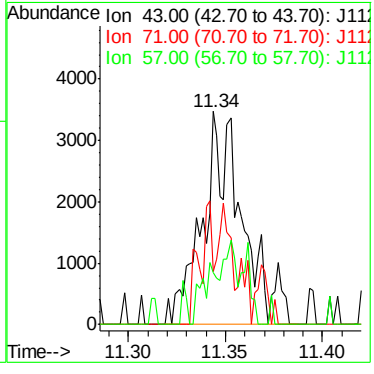


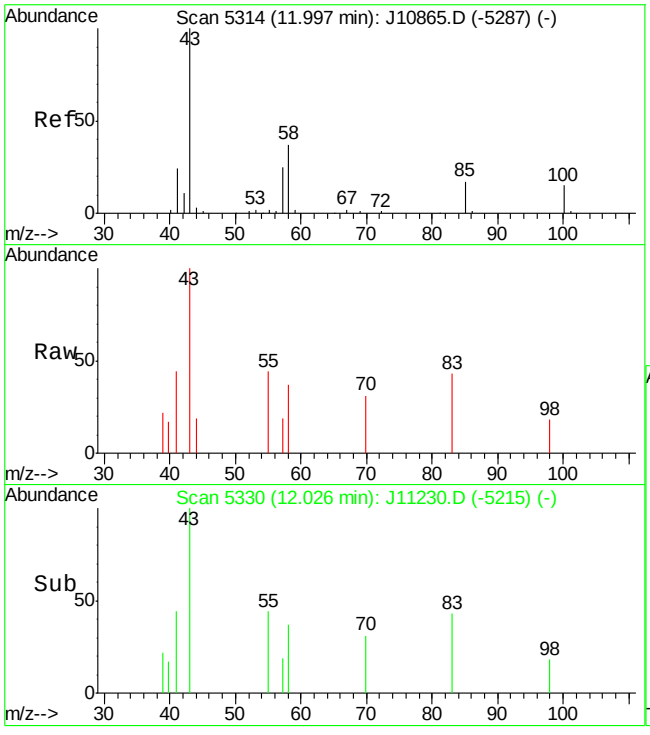


#43
HEPTANE
Concen: 0.26 PPBV
RT: 11.34 min Scan# 4945
Delta R.T. -0.01 min
Lab File: J11230.D
Acq: 7 Sep 2007 2:23 pm

Tgt Ion: 43 Resp: 4967

Ion	Ratio	Lower	Upper
43	100		
71	51.0	37.3	77.3
57	34.3	31.2	71.2

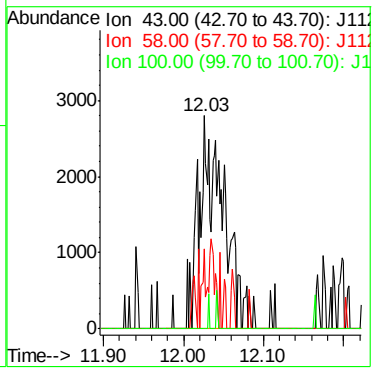


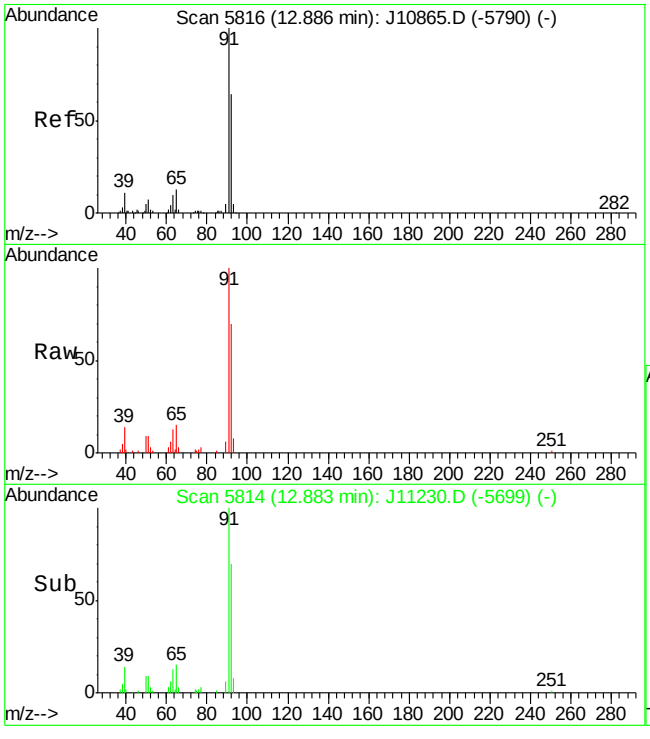


#44
METHYL ISOBUTYL KETONE
Concen: 0.28 PPBV m
RT: 12.03 min Scan# 5330
Delta R.T. 0.03 min
Lab File: J11230.D
Acq: 7 Sep 2007 2:23 pm

Tgt Ion: 43 Resp: 6103

Ion	Ratio	Lower	Upper
43	100		
58	11.1	17.6	57.6#
100	0.0	0.0	33.5

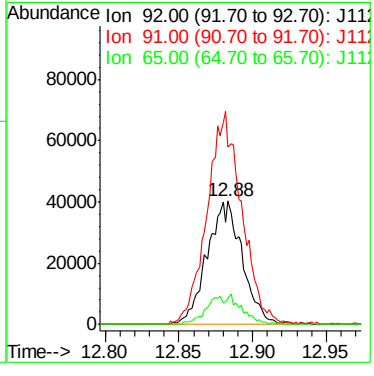


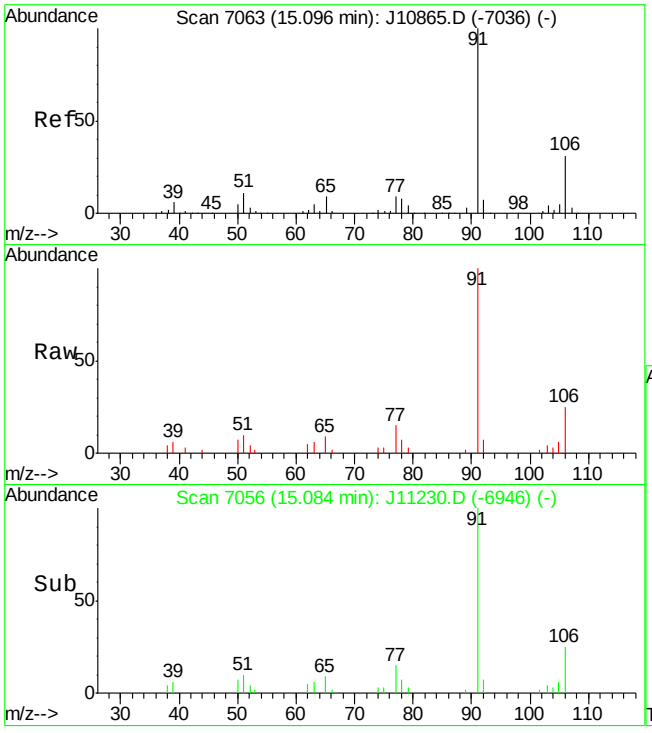


#46
TOLUENE
Concen: 2.25 PPBV
RT: 12.88 min Scan# 5814
Delta R.T. -0.00 min
Lab File: J11230.D
Acq: 7 Sep 2007 2:23 pm

Tgt Ion: 92 Resp: 66819

Ion	Ratio	Lower	Upper
92	100		
91	171.7	146.5	186.5
65	23.0	0.0	39.5

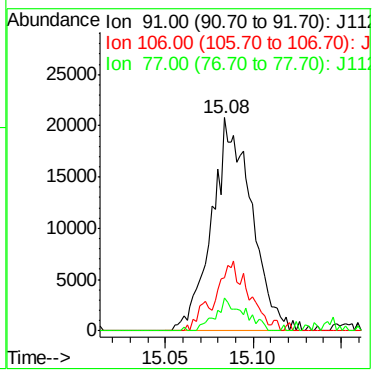


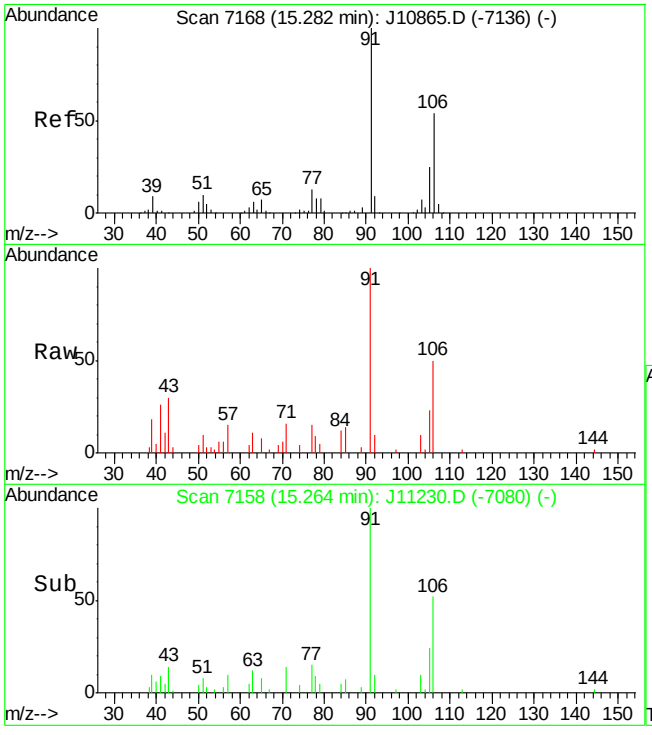


#55
ETHYLBENZENE
Concen: 0.57 PPBV
RT: 15.08 min Scan# 7056
Delta R.T. -0.01 min
Lab File: J11230.D
Acq: 7 Sep 2007 2:23 pm

Tgt Ion: 91 Resp: 32424

Ion	Ratio	Lower	Upper
91	100		
106	29.3	11.5	51.5
77	10.9	0.0	29.3

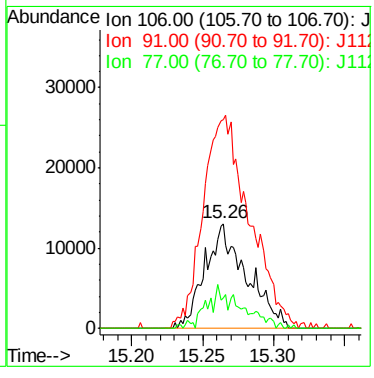


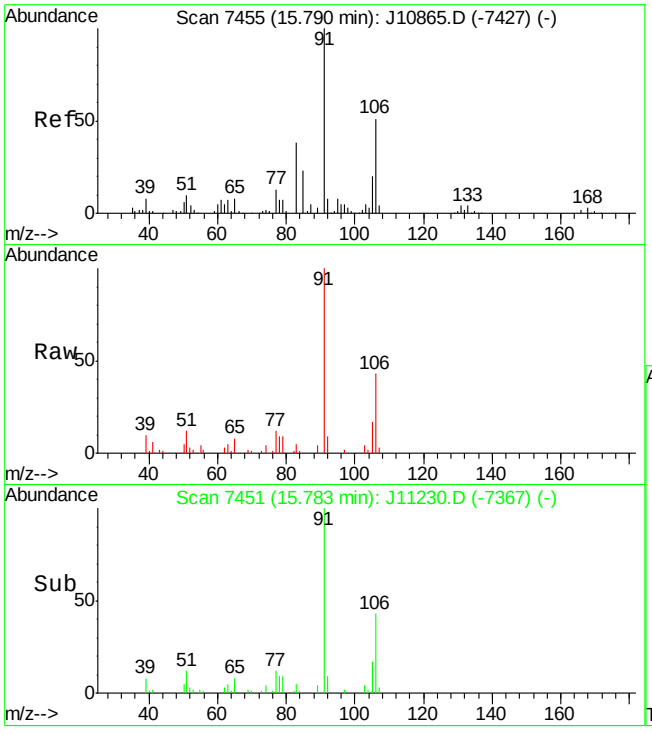


#56
m,p-XYLENE
Concen: 1.27 PPBV
RT: 15.26 min Scan# 7158
Delta R.T. -0.02 min
Lab File: J11230.D
Acq: 7 Sep 2007 2:23 pm

Tgt Ion:106 Resp: 26489

Ion	Ratio	Lower	Upper
106	100		
91	198.9	148.2	222.4
77	29.1	18.8	28.2#

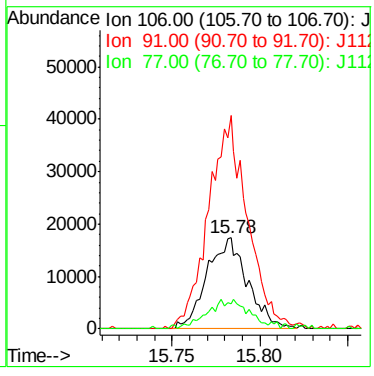


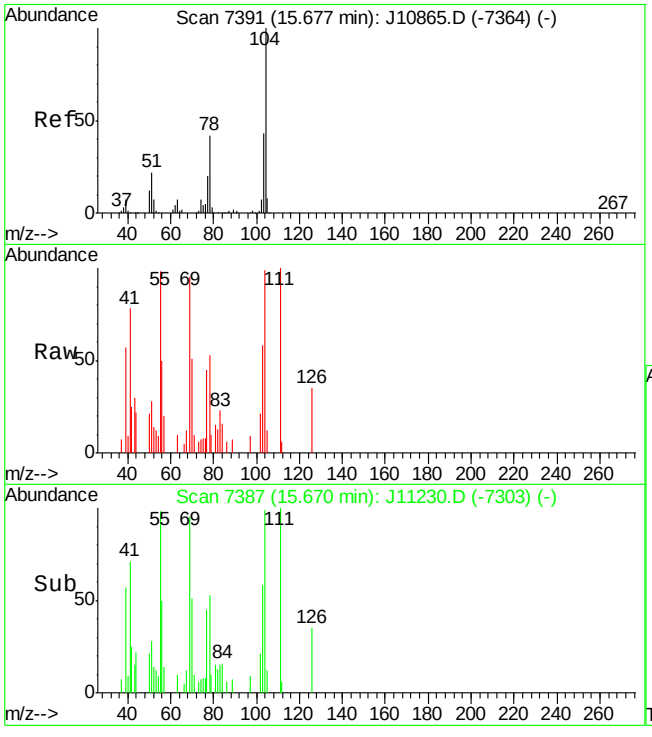


#57
o-XYLENE
Concen: 1.28 PPBV
RT: 15.78 min Scan# 7451
Delta R.T. -0.01 min
Lab File: J11230.D
Acq: 7 Sep 2007 2:23 pm

Tgt Ion:106 Resp: 27698

Ion	Ratio	Lower	Upper
106	100		
91	227.2	189.2	229.2
77	34.9	7.0	47.0

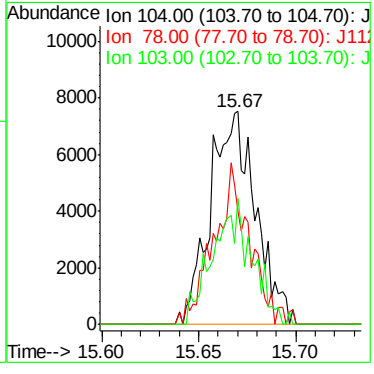


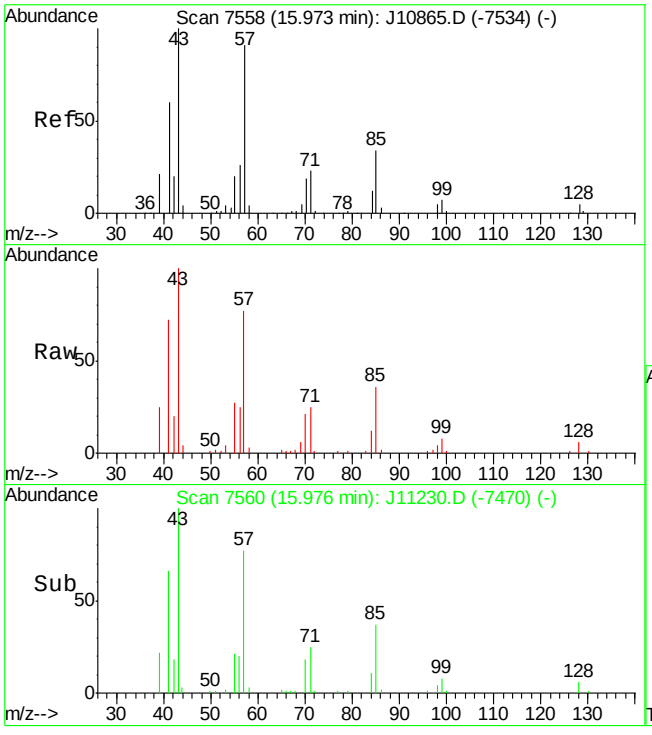


#58
STYRENE
Concen: 0.47 PPBV
RT: 15.67 min Scan# 7387
Delta R.T. -0.01 min
Lab File: J11230.D
Acq: 7 Sep 2007 2:23 pm

Tgt Ion:104 Resp: 12185

Ion	Ratio	Lower	Upper
104	100		
78	57.4	24.1	64.1
103	50.7	27.4	67.4

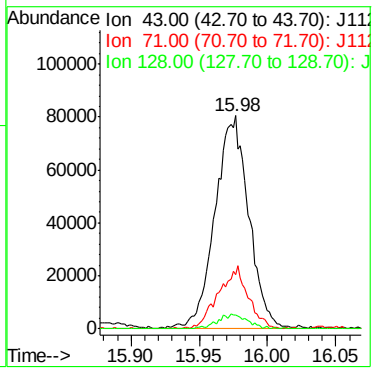


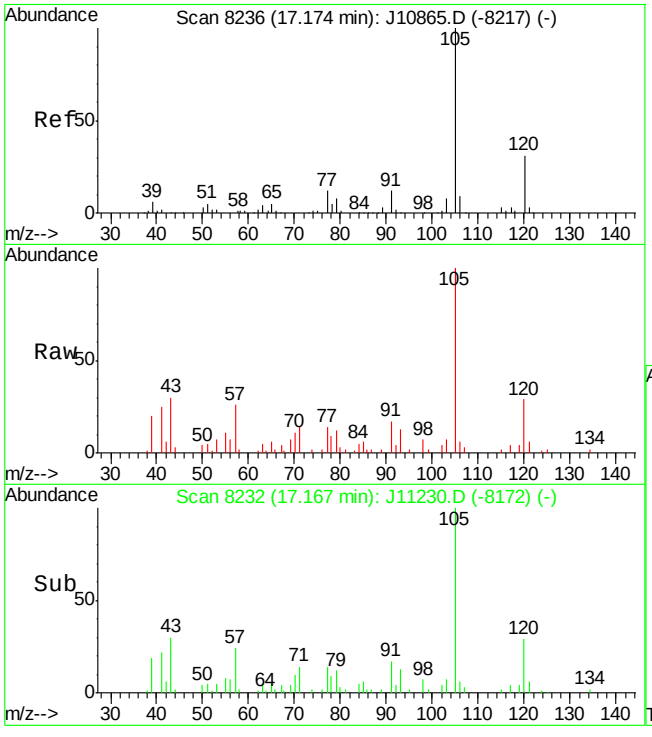


#59
NONANE
Concen: 6.25 PPBV
RT: 15.98 min Scan# 7560
Delta R.T. 0.00 min
Lab File: J11230.D
Acq: 7 Sep 2007 2:23 pm

Tgt Ion: 43 Resp: 138362

Ion	Ratio	Lower	Upper
43	100		
71	25.8	3.6	43.6
128	6.0	0.0	26.1

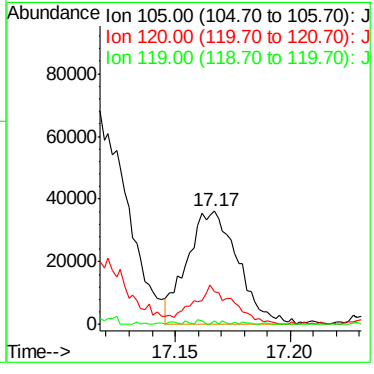


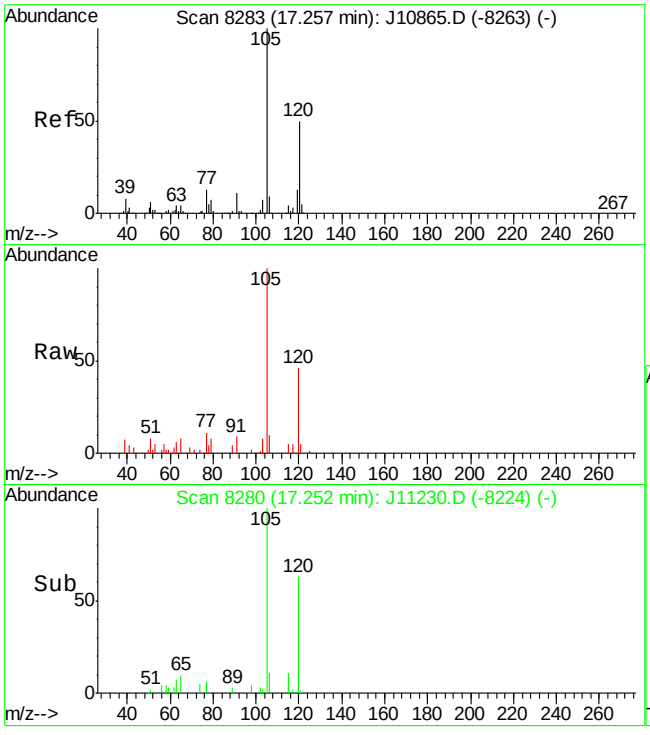


#65
4-ETHYLTOLUENE
Concen: 0.94 PPBV
RT: 17.17 min Scan# 8232
Delta R.T. -0.01 min
Lab File: J11230.D
Acq: 7 Sep 2007 2:23 pm

Tgt Ion:105 Resp: 55495

Ion	Ratio	Lower	Upper
105	100		
120	26.9	10.5	50.5
119	0.8	0.0	21.7

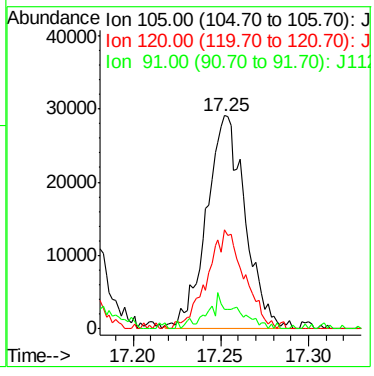


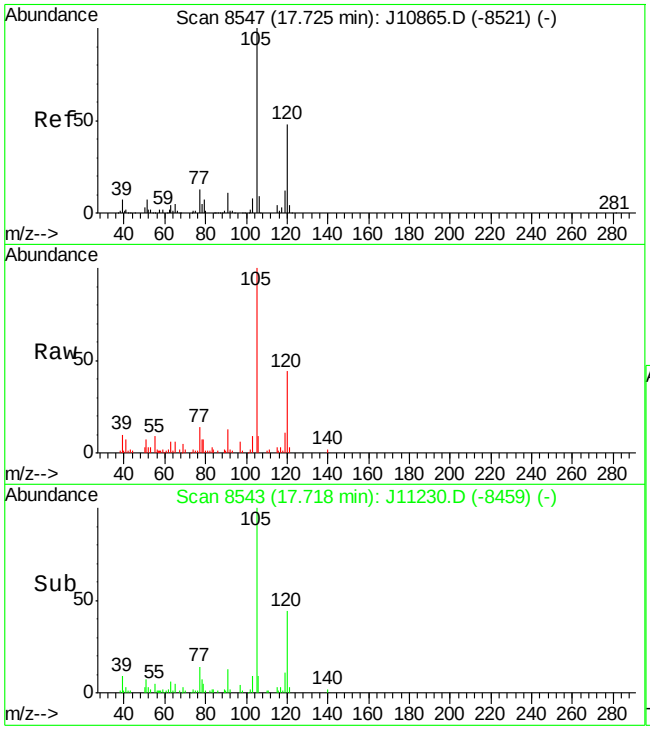


#66
1,3,5-TRIMETHYLBENZENE
Concen: 0.83 PPBV
RT: 17.25 min Scan# 8280
Delta R.T. -0.00 min
Lab File: J11230.D
Acq: 7 Sep 2007 2:23 pm

Tgt Ion:105 Resp: 44291

Ion	Ratio	Lower	Upper
105	100		
120	45.6	30.9	70.9
91	12.9	0.0	31.0

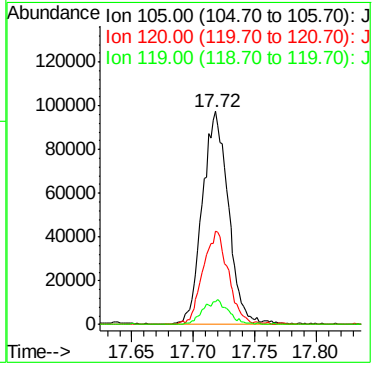


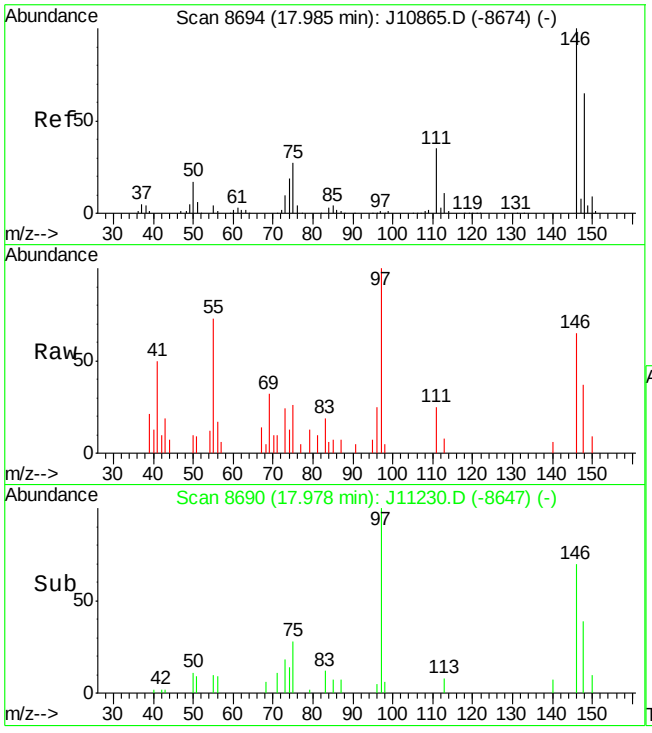


#67
1,2,4-TRIMETHYLBENZENE
Concen: 2.95 PPBV
RT: 17.72 min Scan# 8543
Delta R.T. -0.01 min
Lab File: J11230.D
Acq: 7 Sep 2007 2:23 pm

Tgt Ion:105 Resp: 143242

Ion	Ratio	Lower	Upper
105	100		
120	42.9	28.0	68.0
119	11.4	0.0	32.7

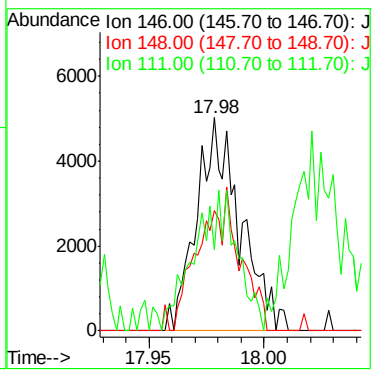




#70
p-DICHLOROBENZENE
Concen: 0.25 PPBV
RT: 17.98 min Scan# 8690
Delta R.T. -0.01 min
Lab File: J11230.D
Acq: 7 Sep 2007 2:23 pm

Tgt Ion:146 Resp: 6513

Ion	Ratio	Lower	Upper
146	100		
148	64.0	44.0	84.0
111	66.6	15.5	55.5#

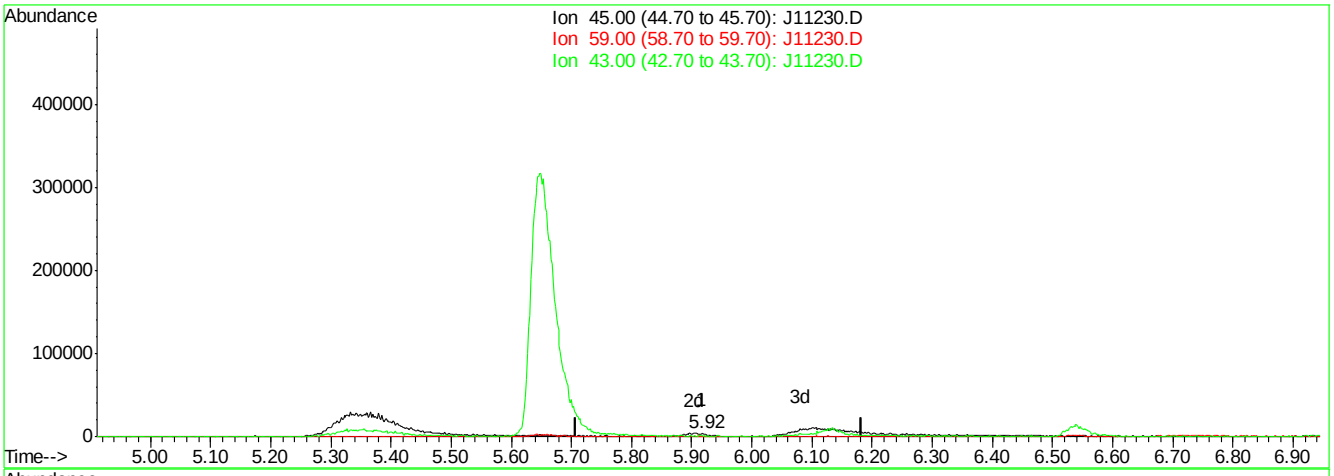


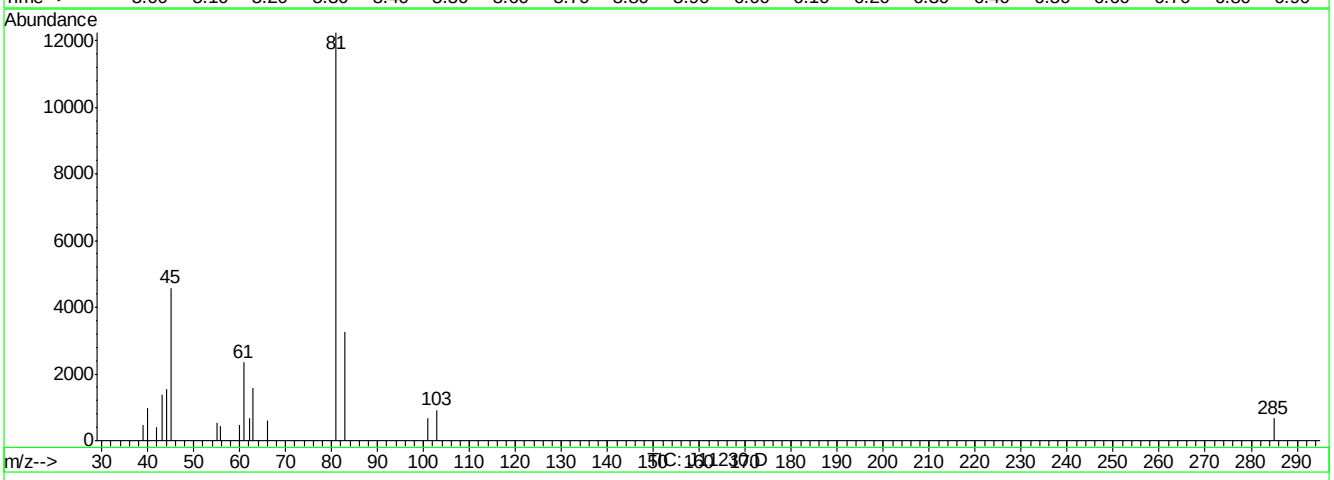
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11230.D Vial: 7
Acq On : 7 Sep 2007 2:23 pm Operator: PhilipB
Sample : M67493-2DUP Inst : MSJ
Misc : MS14255, MSJ590,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 15:18:08 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:10:25 2007
Response via : Multiple Level Calibration





(11) ISOPROPYL ALCOHOL (m)

5.92min 0.15PPBV

response 3383

Ion	Exp%	Act%
45.00	100	100
59.00	3.60	0.00
43.00	24.20	30.36
0.00	0.00	0.00

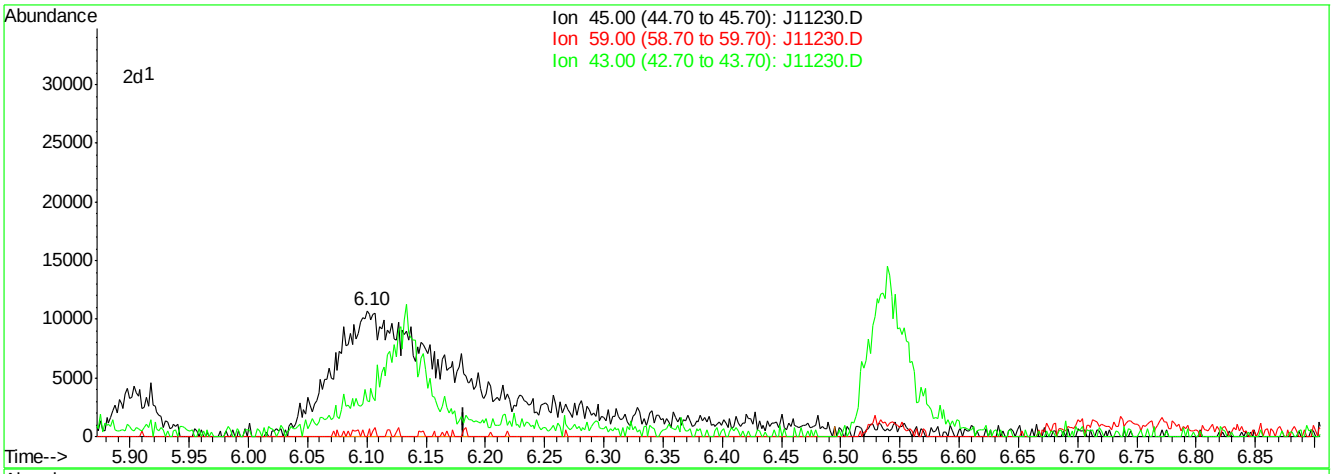
J11230.D J090607T.M Fri Sep 07 15:18:37 2007

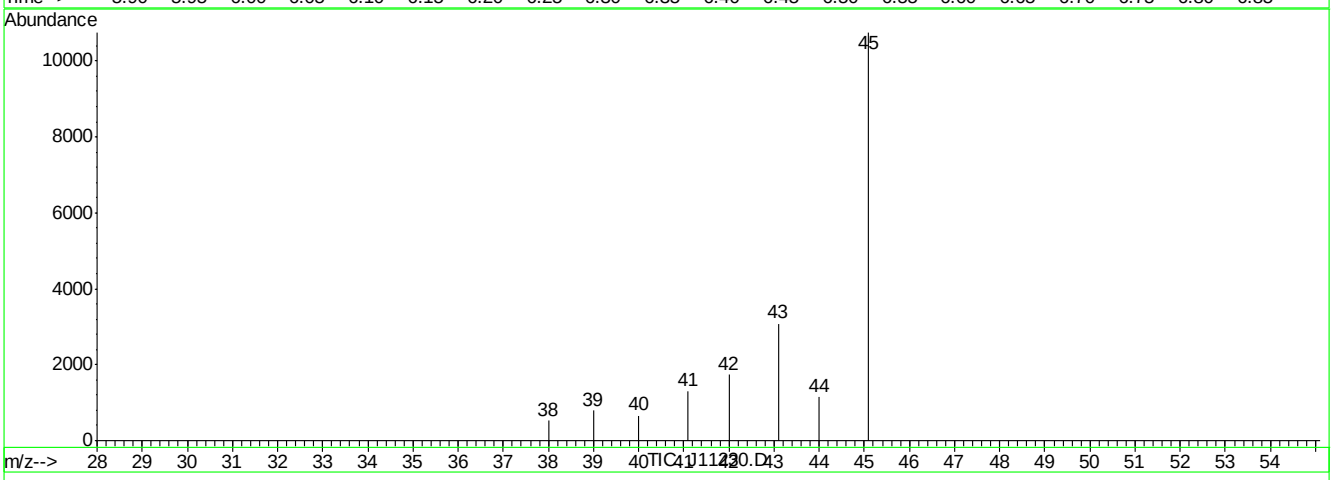
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11230.D Vial: 7
Acq On : 7 Sep 2007 2:23 pm Operator: PhilipB
Sample : M67493-2DUP Inst : MSJ
Misc : MS14255, MSJ590,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 15:18:08 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:10:25 2007
Response via : Multiple Level Calibration





(11) ISOPROPYL ALCOHOL (m)

6.10min 4.15PPBV m

response 94955

Ion	Exp%	Act%
45.00	100	100
59.00	3.60	0.00
43.00	24.20	28.67
0.00	0.00	0.00

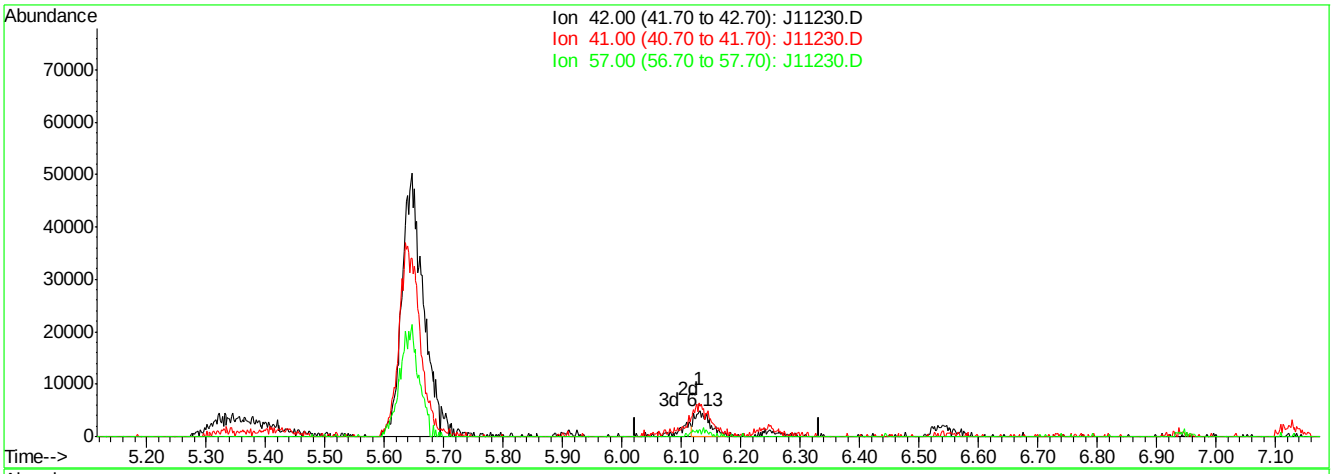
J11230.D J090607T.M Fri Sep 07 15:18:48 2007

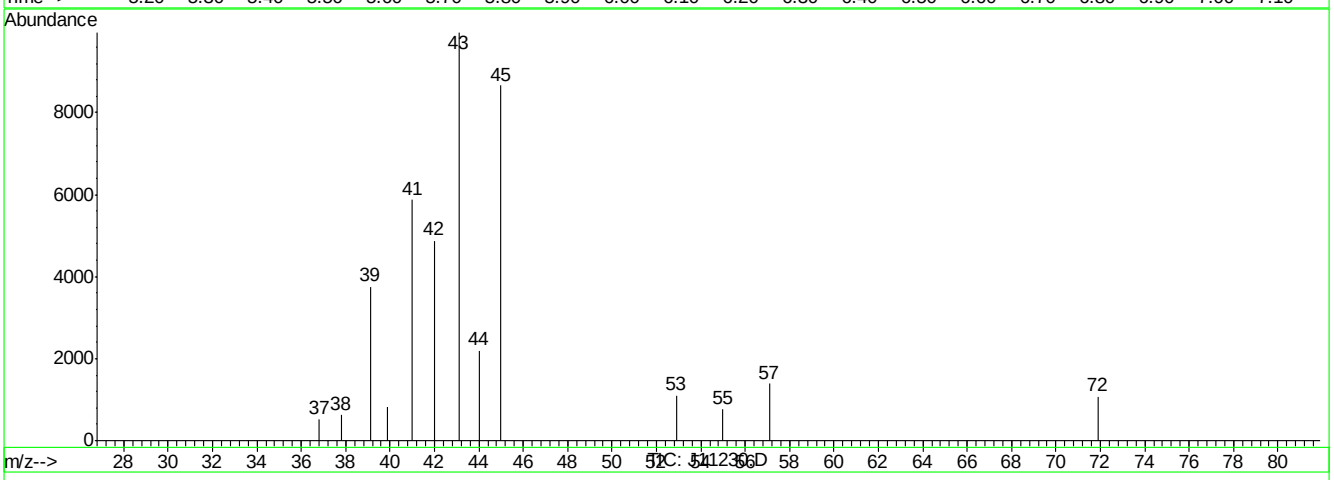
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11230.D Vial: 7
Acq On : 7 Sep 2007 2:23 pm Operator: PhilipB
Sample : M67493-2DUP Inst : MSJ
Misc : MS14255, MSJ590,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 15:18:08 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:10:25 2007
Response via : Multiple Level Calibration





(13) PENTANE (m)

6.13min 0.56PPBV

response 8752

Ion	Exp%	Act%
42.00	100	100
41.00	96.60	183.24#
57.00	24.50	16.16
0.00	0.00	0.00

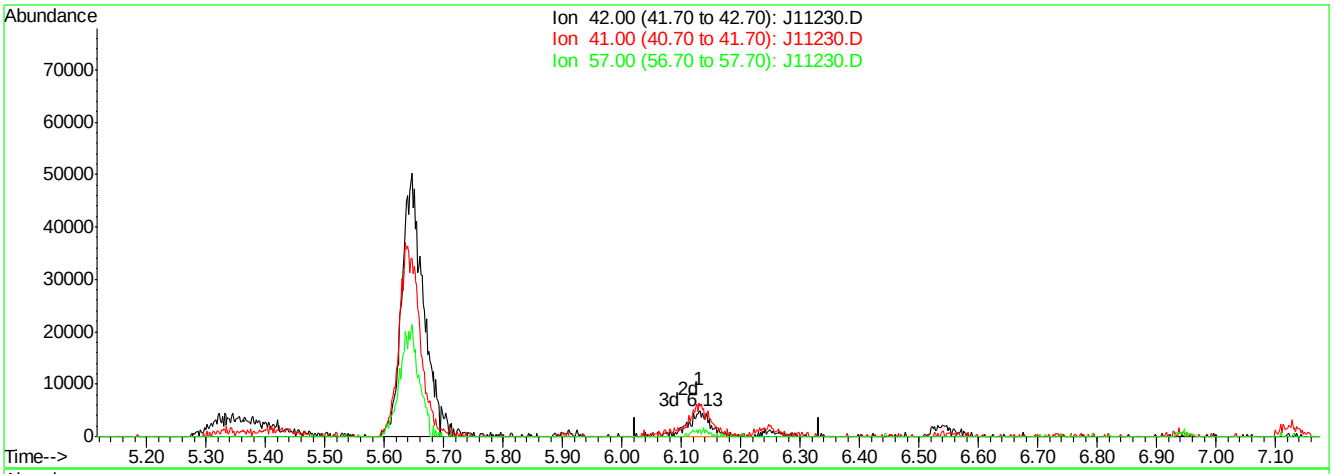
J11230.D J090607T.M Fri Sep 07 15:18:57 2007

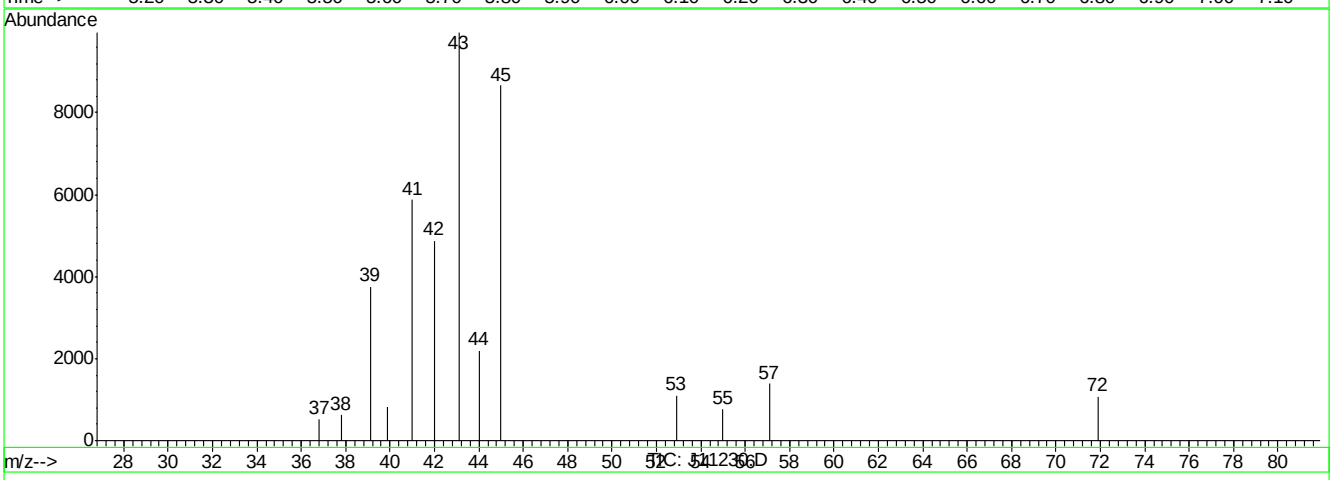
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11230.D Vial: 7
Acq On : 7 Sep 2007 2:23 pm Operator: PhilipB
Sample : M67493-2DUP Inst : MSJ
Misc : MS14255, MSJ590,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 15:18:08 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:10:25 2007
Response via : Multiple Level Calibration





(13) PENTANE (m)

6.13min 0.80PPBV m

response 12547

Ion	Exp%	Act%
42.00	100	100
41.00	96.60	127.82#
57.00	24.50	11.27
0.00	0.00	0.00

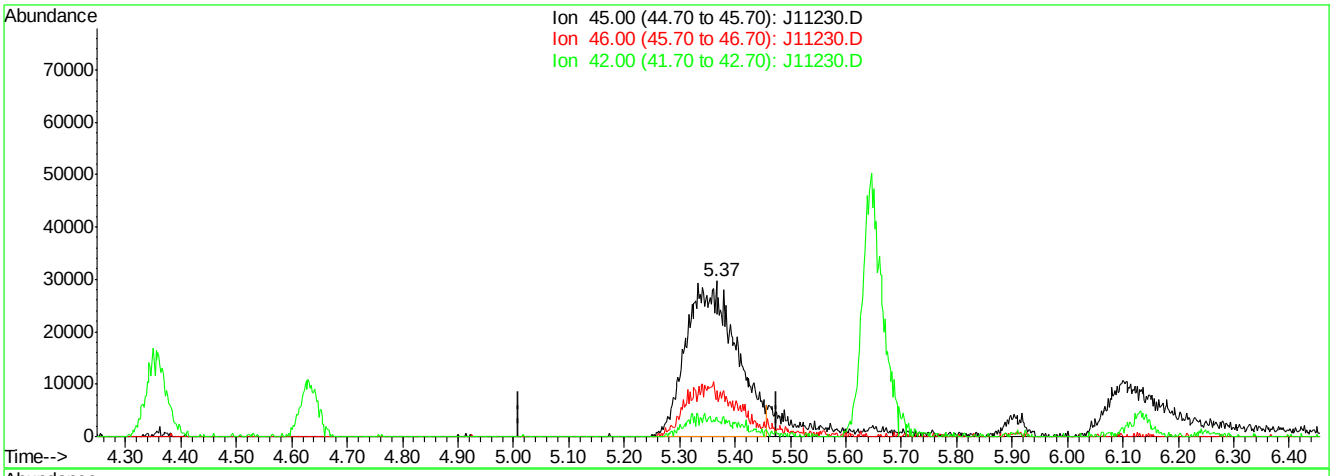
J11230.D J090607T.M Fri Sep 07 15:19:03 2007

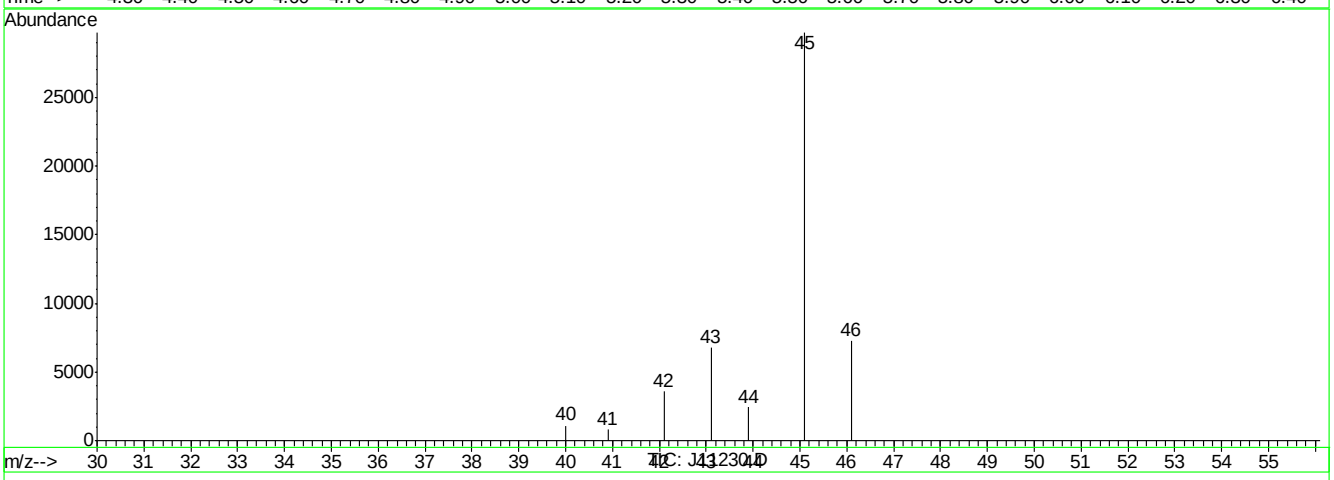
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11230.D Vial: 7
Acq On : 7 Sep 2007 2:23 pm Operator: PhilipB
Sample : M67493-2DUP Inst : MSJ
Misc : MS14255, MSJ590,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 15:18:08 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:10:25 2007
Response via : Multiple Level Calibration





(16) ETHANOL (m)

5.37min 42.69PPBV

response 184500

Ion	Exp%	Act%
45.00	100	100
46.00	34.00	33.02
42.00	9.40	0.00
0.00	0.00	0.00

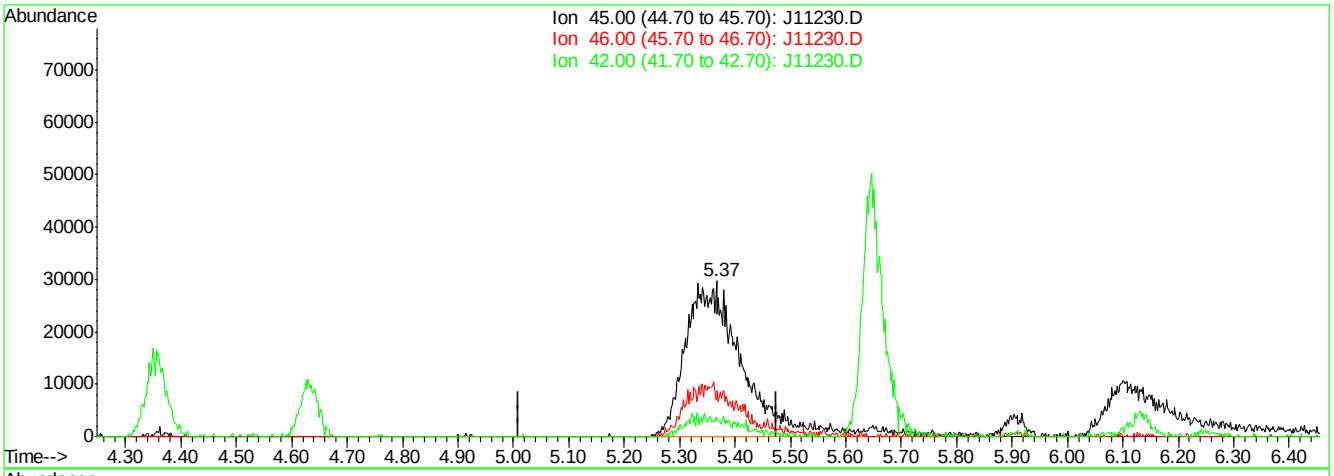
J11230.D J090607T.M Fri Sep 07 15:19:13 2007

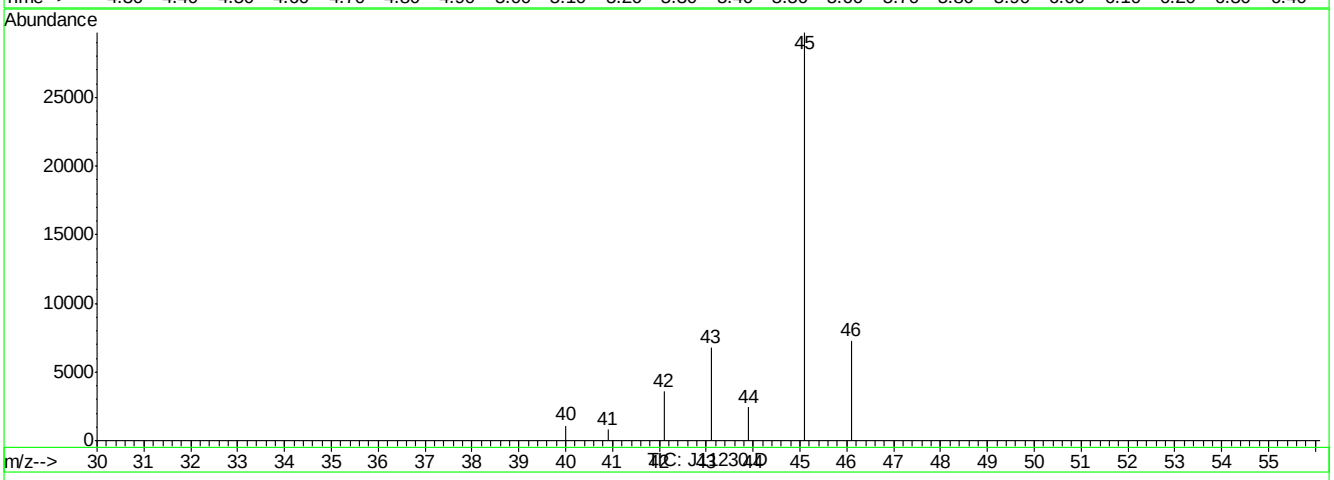
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11230.D Vial: 7
Acq On : 7 Sep 2007 2:23 pm Operator: PhilipB
Sample : M67493-2DUP Inst : MSJ
Misc : MS14255, MSJ590,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 15:18:08 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:10:25 2007
Response via : Multiple Level Calibration





(16) ETHANOL (m)

5.37min 49.55PPBV m

response 214178

Ion	Exp%	Act%
45.00	100	100
46.00	34.00	28.44
42.00	9.40	0.00
0.00	0.00	0.00

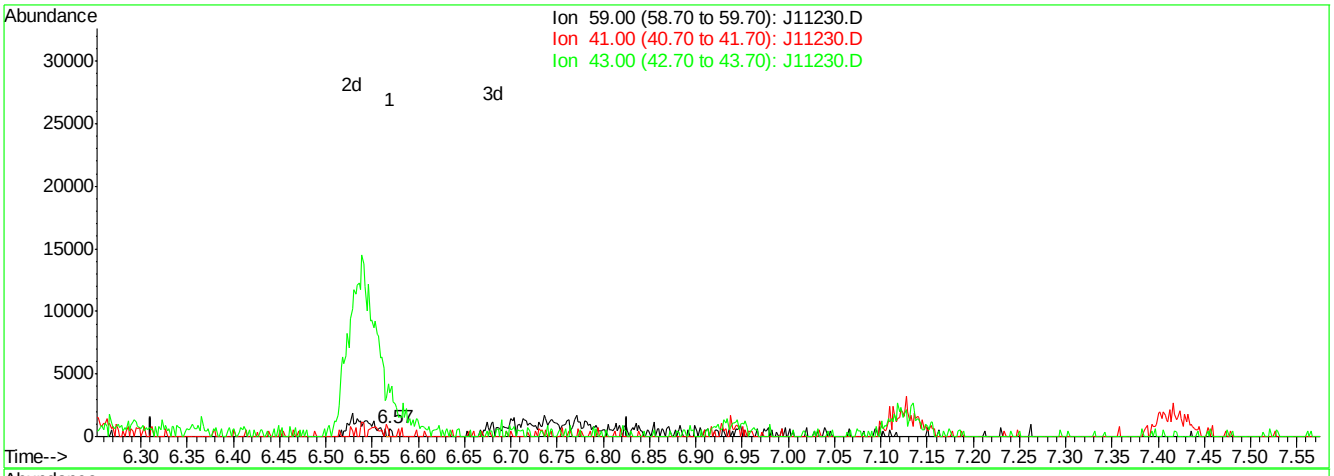
J11230.D J090607T.M Fri Sep 07 15:19:17 2007

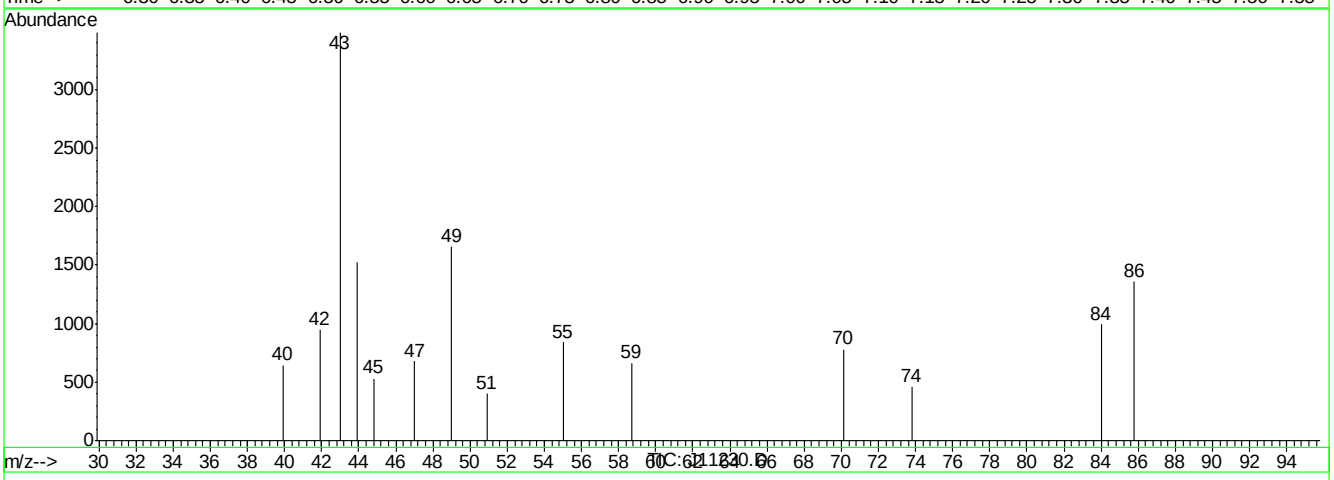
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11230.D Vial: 7
Acq On : 7 Sep 2007 2:23 pm Operator: PhilipB
Sample : M67493-2DUP Inst : MSJ
Misc : MS14255, MSJ590,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 15:18:08 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:10:25 2007
Response via : Multiple Level Calibration





(22) TERTIARY BUTYL ALCOHOL (m)

6.57min 0.00PPBV

response 117

Ion	Exp%	Act%
59.00	100	100
41.00	23.80	509.40#
43.00	18.40	0.00
0.00	0.00	0.00

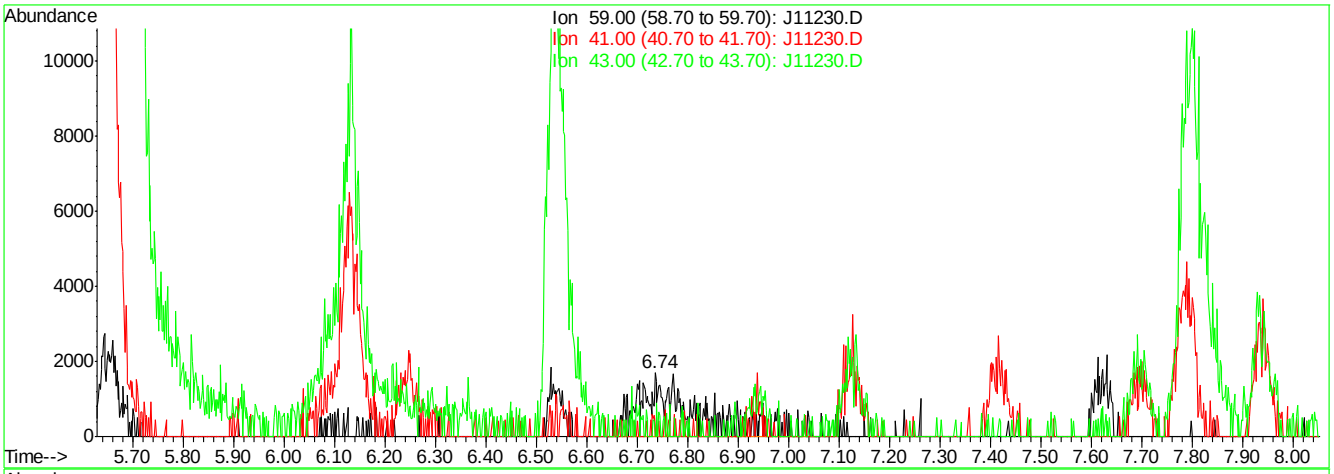
J11230.D J090607T.M Fri Sep 07 15:19:44 2007

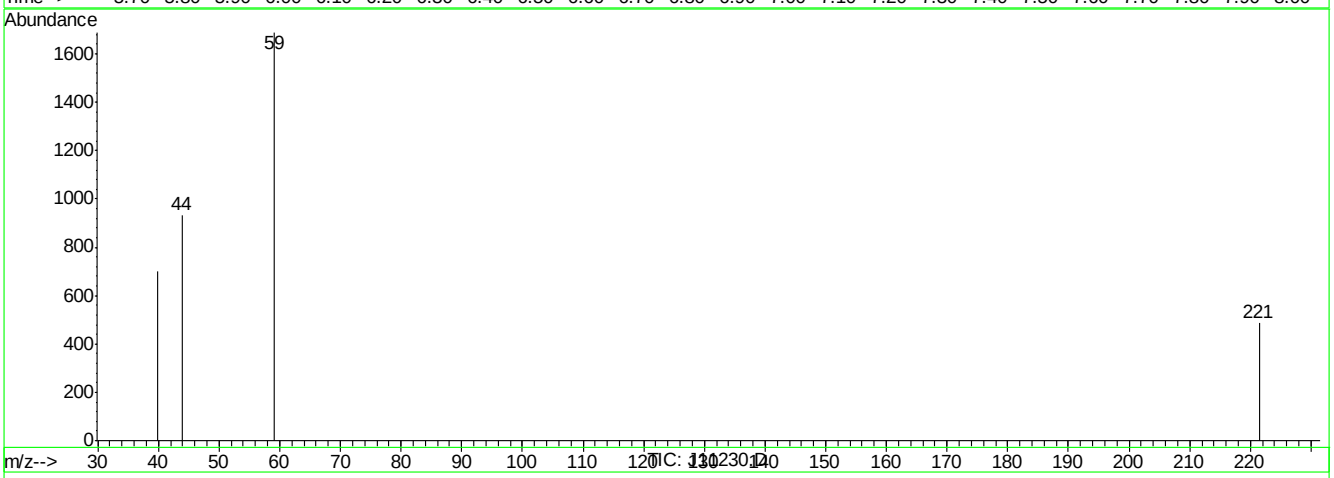
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11230.D Vial: 7
Acq On : 7 Sep 2007 2:23 pm Operator: PhilipB
Sample : M67493-2DUP Inst : MSJ
Misc : MS14255, MSJ590,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 15:18:08 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:10:25 2007
Response via : Multiple Level Calibration





(22) TERTIARY BUTYL ALCOHOL (m)

6.74min 0.37PPBV m

response 12041

Ion	Exp%	Act%
59.00	100	100
41.00	23.80	4.95
43.00	18.40	0.00
0.00	0.00	0.00

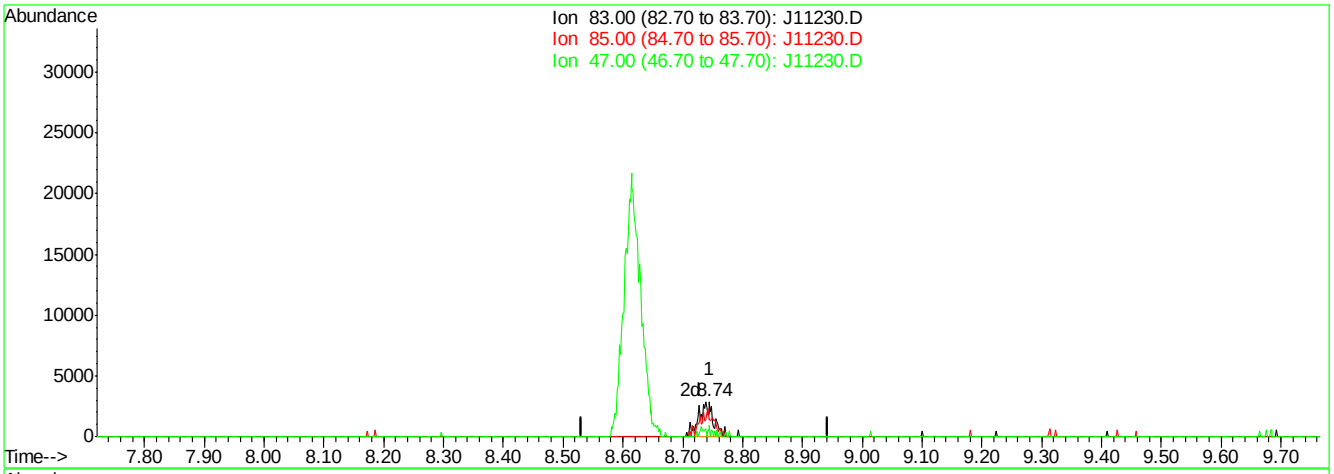
J11230.D J090607T.M Fri Sep 07 15:20:03 2007

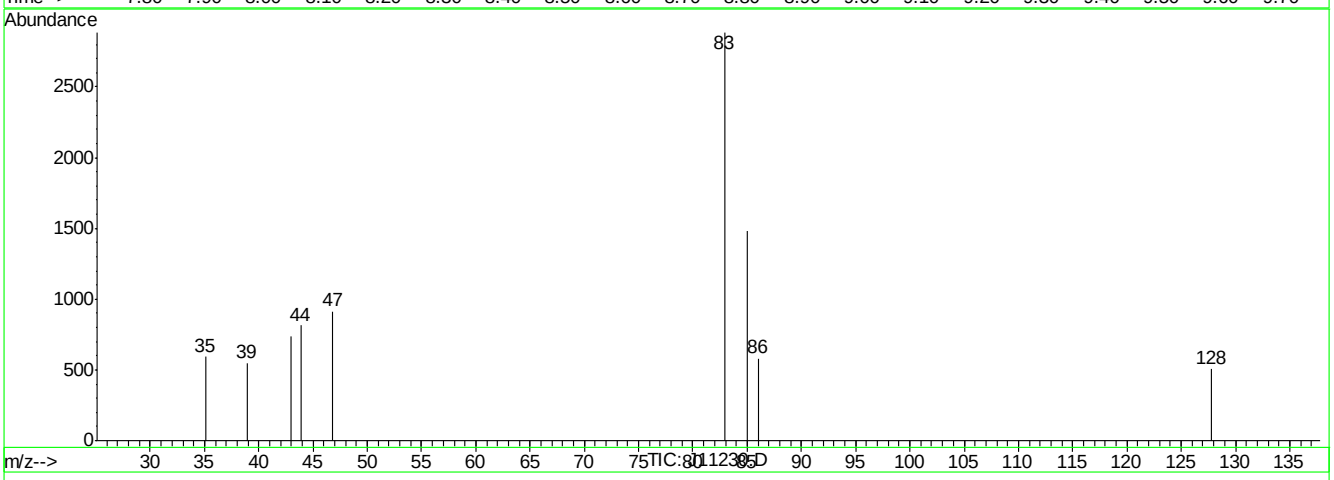
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11230.D Vial: 7
Acq On : 7 Sep 2007 2:23 pm Operator: PhilipB
Sample : M67493-2DUP Inst : MSJ
Misc : MS14255, MSJ590,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 15:18:08 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:10:25 2007
Response via : Multiple Level Calibration





(31) CHLOROFORM (m)

8.74min 0.09PPBV

response 4284

Ion	Exp%	Act%
83.00	100	100
85.00	64.30	74.91
47.00	24.30	0.00#
0.00	0.00	0.00

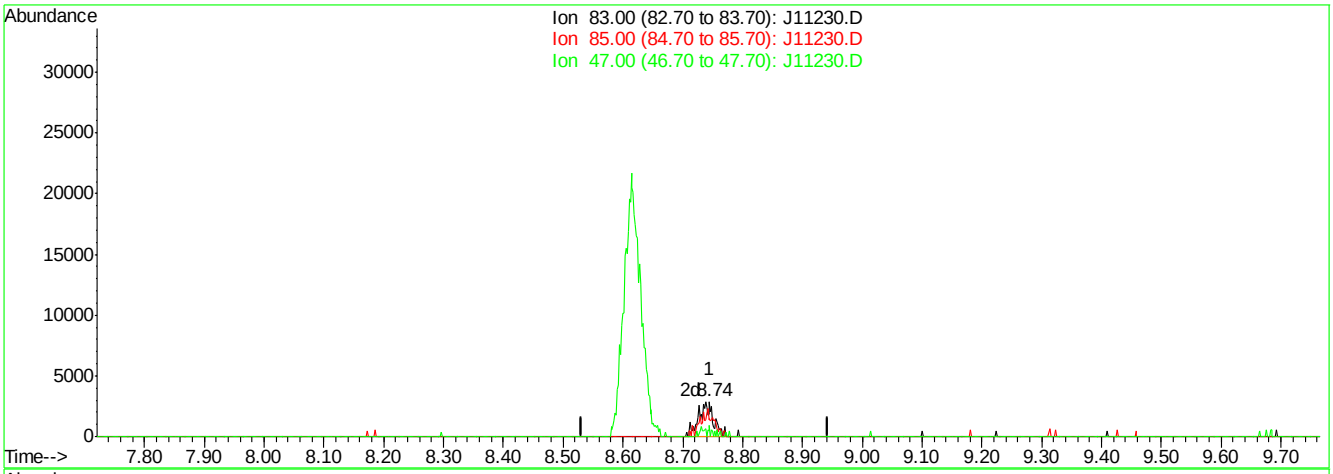
J11230.D J090607T.M Fri Sep 07 15:20:34 2007

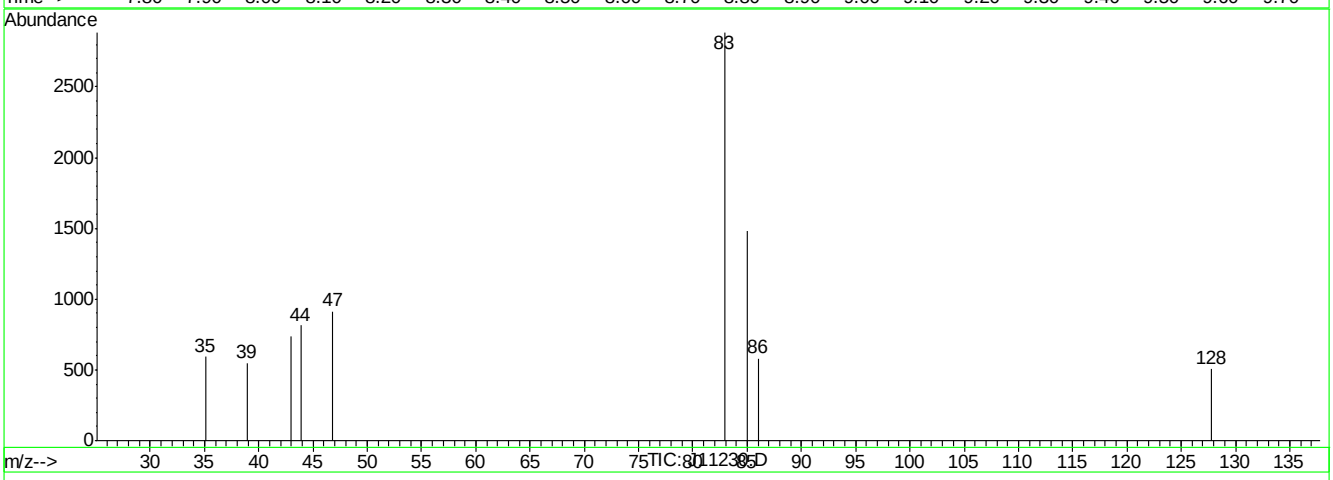
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11230.D Vial: 7
Acq On : 7 Sep 2007 2:23 pm Operator: PhilipB
Sample : M67493-2DUP Inst : MSJ
Misc : MS14255, MSJ590,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 15:18:08 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:10:25 2007
Response via : Multiple Level Calibration





(30) ETHYL ACETATE (m)

8.74min 0.21PPBV m

response 4896

Ion	Exp%	Act%
43.00	100	100
62.00	0.00	65.54#
88.00	4.20	0.00
0.00	0.00	0.00

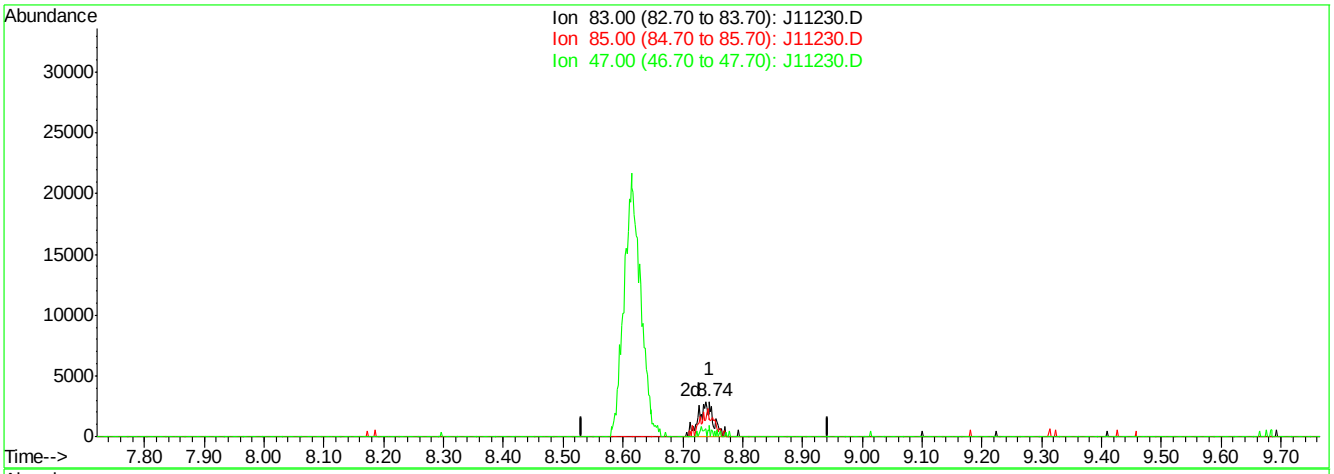
J11230.D J090607T.M Fri Sep 07 15:20:37 2007

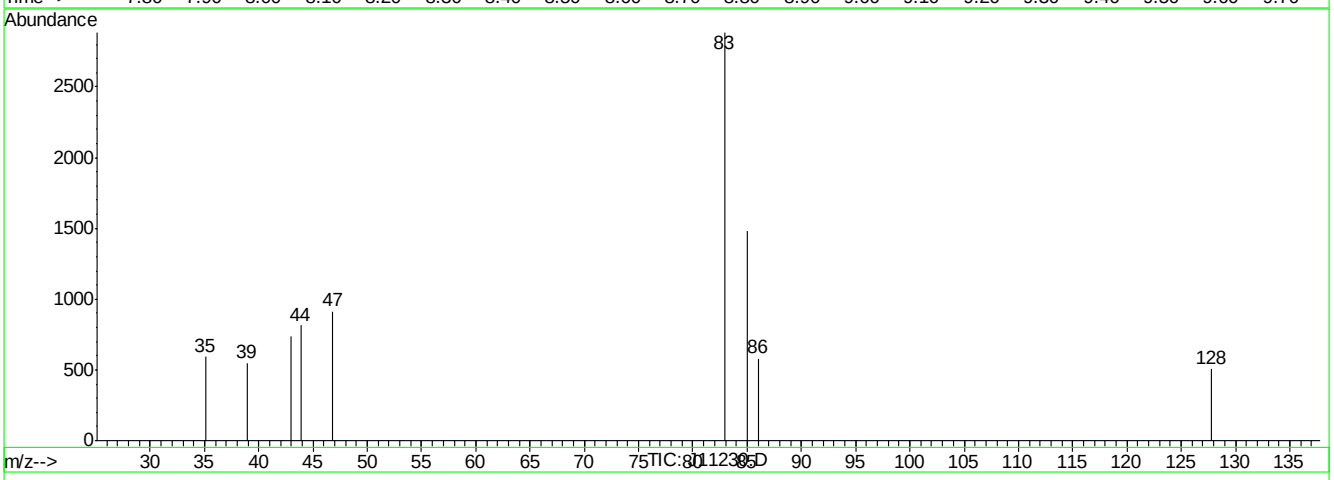
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11230.D Vial: 7
Acq On : 7 Sep 2007 2:23 pm Operator: PhilipB
Sample : M67493-2DUP Inst : MSJ
Misc : MS14255, MSJ590,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 15:18:08 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:10:25 2007
Response via : Multiple Level Calibration





(31) CHLOROFORM (m)

8.74min 0.10PPBV m

response 4896

Ion	Exp%	Act%
83.00	100	100
85.00	64.30	65.54
47.00	24.30	0.00#
0.00	0.00	0.00

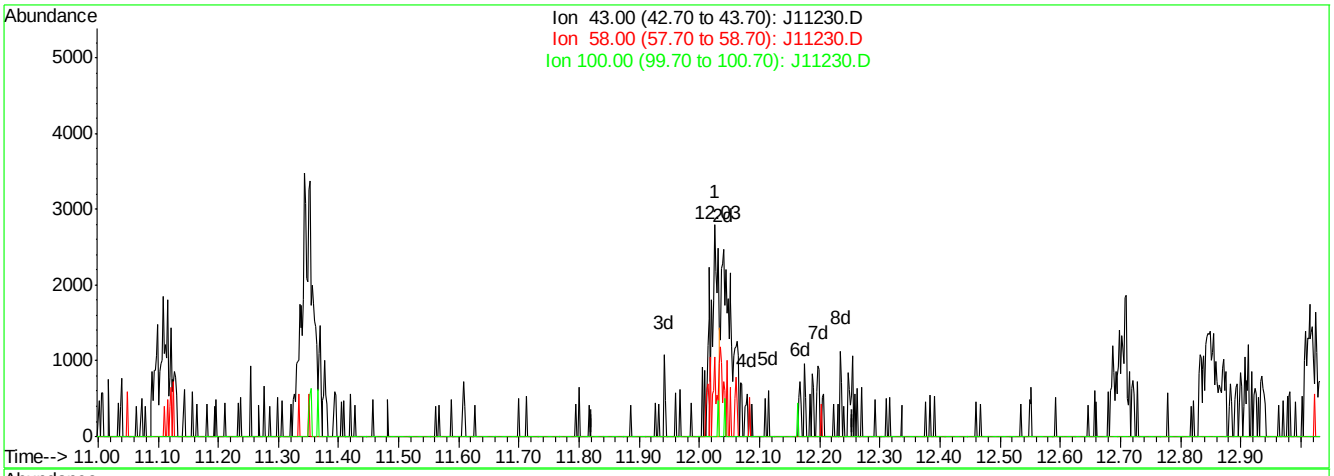
J11230.D J090607T.M Fri Sep 07 15:20:50 2007

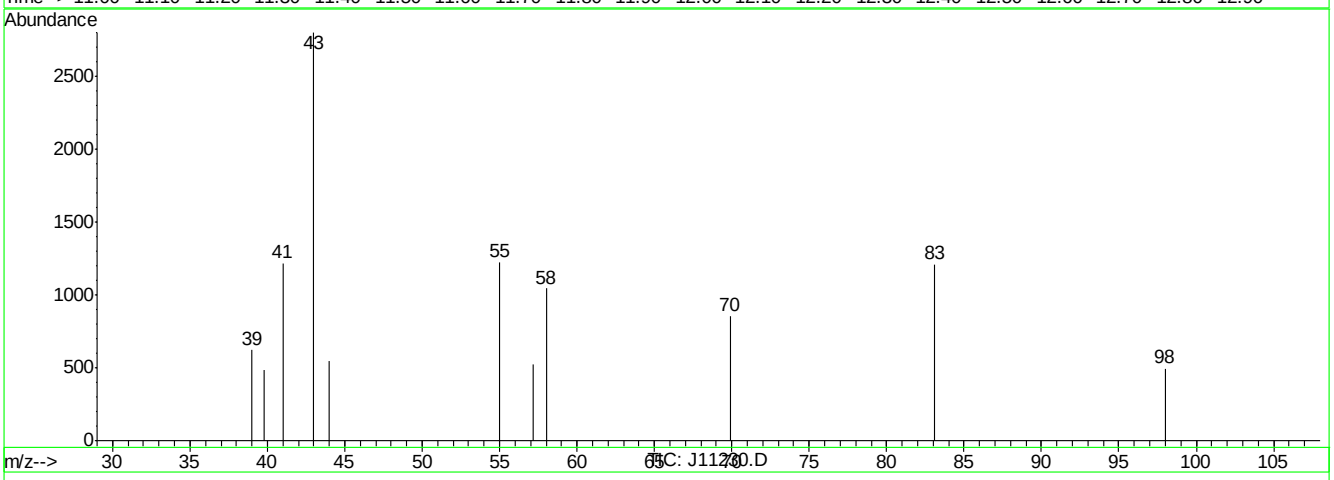
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11230.D Vial: 7
Acq On : 7 Sep 2007 2:23 pm Operator: PhilipB
Sample : M67493-2DUP Inst : MSJ
Misc : MS14255, MSJ590,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 15:18:08 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:10:25 2007
Response via : Multiple Level Calibration





(44) METHYL ISOBUTYL KETONE (m)

12.03min 0.11PPBV

response 2516

Ion	Exp%	Act%
43.00	100	100
58.00	37.60	27.03
100.00	13.50	0.00
0.00	0.00	0.00

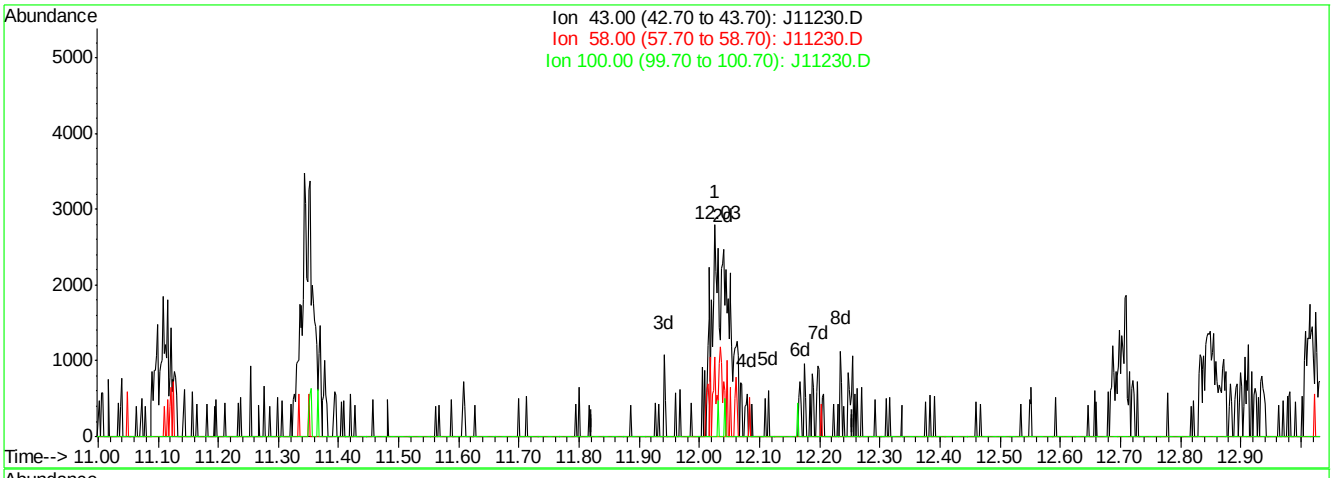
J11230.D J090607T.M Fri Sep 07 15:21:24 2007

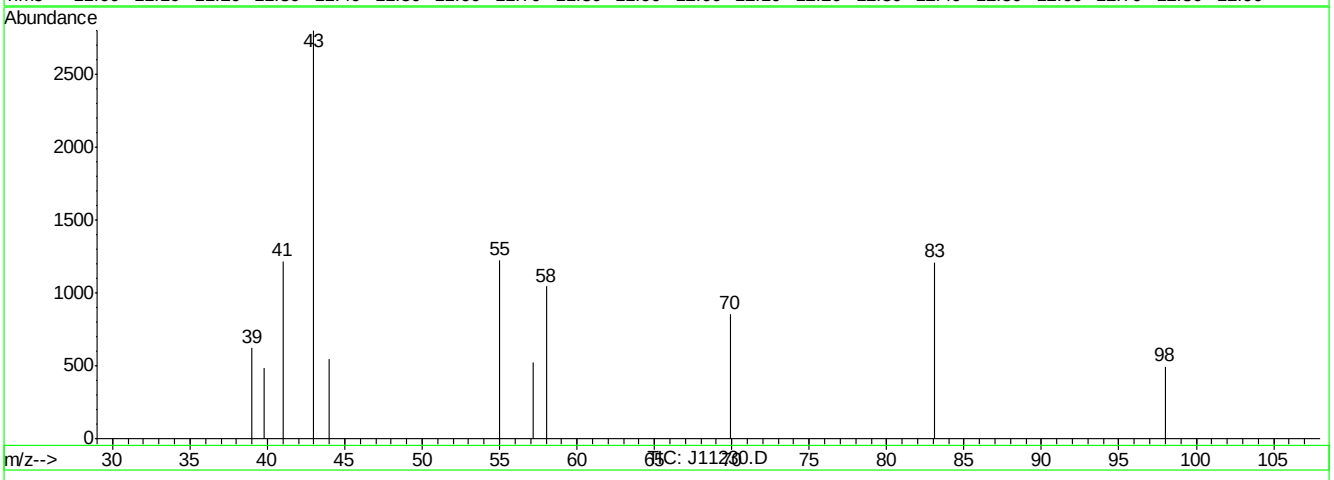
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11230.D Vial: 7
Acq On : 7 Sep 2007 2:23 pm Operator: PhilipB
Sample : M67493-2DUP Inst : MSJ
Misc : MS14255, MSJ590,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 15:18:08 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:10:25 2007
Response via : Multiple Level Calibration





(44) METHYL ISOBUTYL KETONE (m)

12.03min 0.28PPBV m

response 6103

Ion	Exp%	Act%
43.00	100	100
58.00	37.60	11.14#
100.00	13.50	0.00
0.00	0.00	0.00

J11230.D J090607T.M Fri Sep 07 15:21:28 2007

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10843a.D
Acq On : 3 Jul 2007 1:21 pm
Operator : danat
Sample : scc (M132)
Misc : MS13762, MSJ561,,,,,1
ALS Vial : 2 Sample Multiplier: 1

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

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

System Monitoring Compounds

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

Spiked Amount 5.000 Range 51 - 142 Recovery = 94.40%

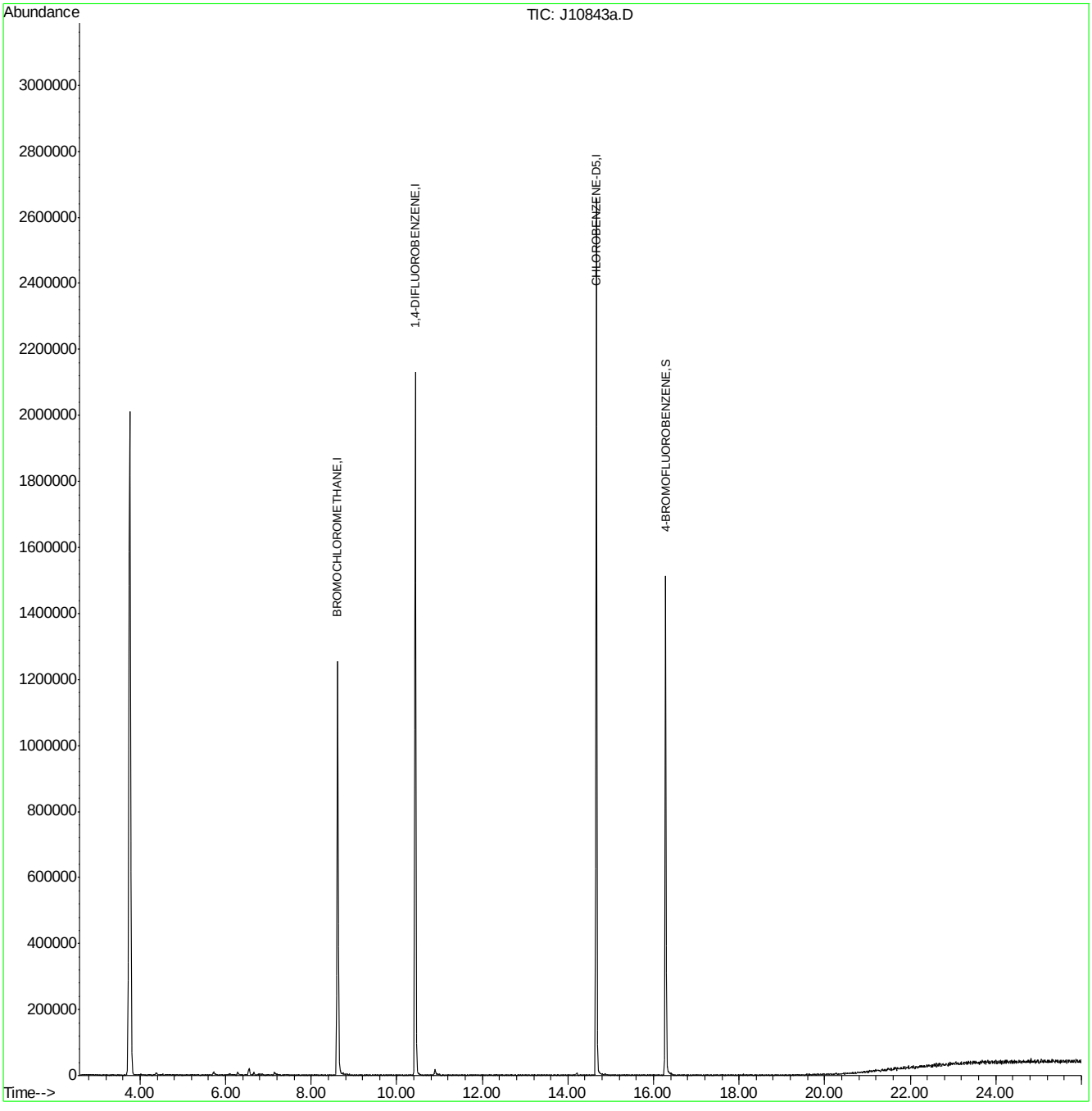
Target Compounds Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10843a.D
Acq On : 3 Jul 2007 1:21 pm
Operator : danat
Sample : scc (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



ACCUTEST Laboratories M67493

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 : J10851.D
Acq On : 3 Jul 2007 7:44 pm
Operator : danat
Sample : scc (M221)
Misc : MS13857, MSJ561,,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 05 17:40:58 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	341635	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.43	114	1239573	10.00	PPBV	-0.01
49) CHLOROBENZENE-D5	14.67	117	1041895	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.28	95	281451	4.28	PPBV	-0.01

Spiked Amount 5.000 Range 51 - 142 Recovery = 85.60%

Target Compounds						Qvalue
11) ISOPROPYL ALCOHOL	6.08	45	21545m	0.56	PPBV	

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

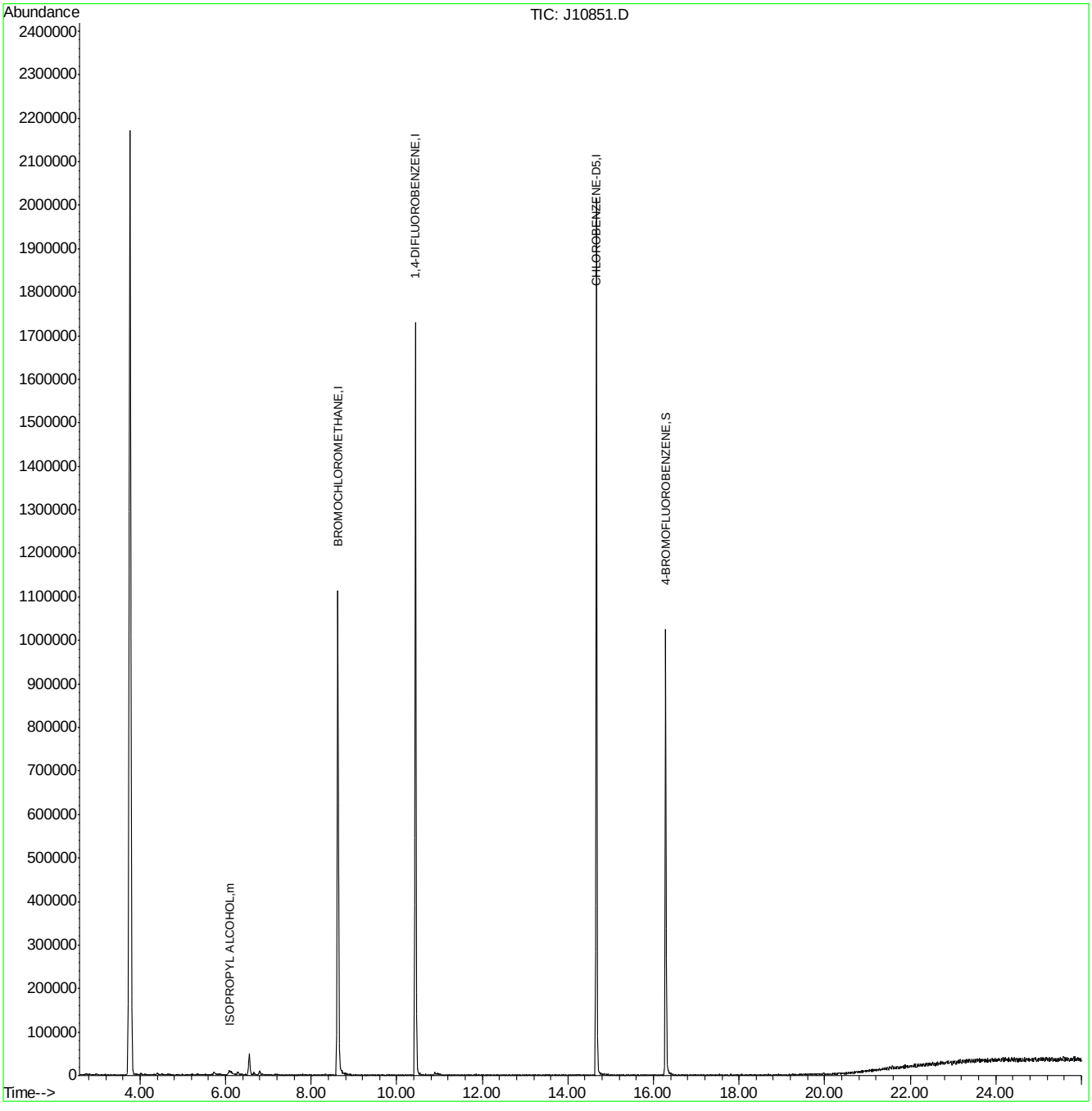
6.5.2

6

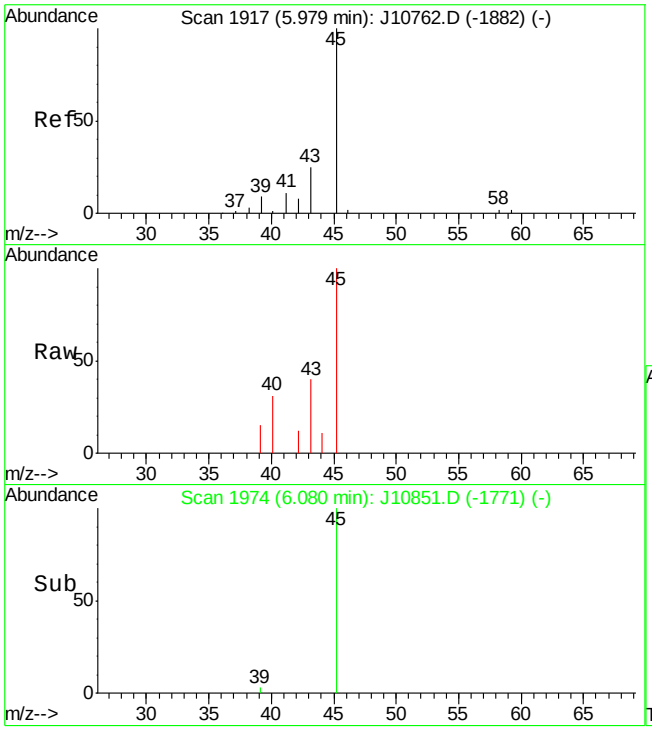
Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10851.D
Acq On : 3 Jul 2007 7:44 pm
Operator : danat
Sample : scc (M221)
Misc : MS13857, MSJ561,,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 05 17:40:58 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



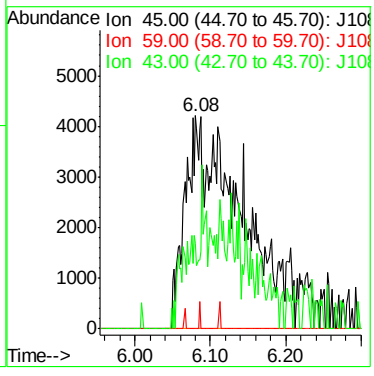
J062507T.M Thu Jul 05 17:41:06 2007 Page: 2



#11
ISOPROPYL ALCOHOL
Concen: 0.56 PPBV m
RT: 6.08 min Scan# 1974
Delta R.T. 0.10 min
Lab File: J10851.D
Acq: 3 Jul 2007 7:44 pm

Tgt Ion: 45 Resp: 21545

Ion	Ratio	Lower	Upper
45	100		
59	0.0	0.0	22.2
43	39.9	5.5	45.5



6.5.2

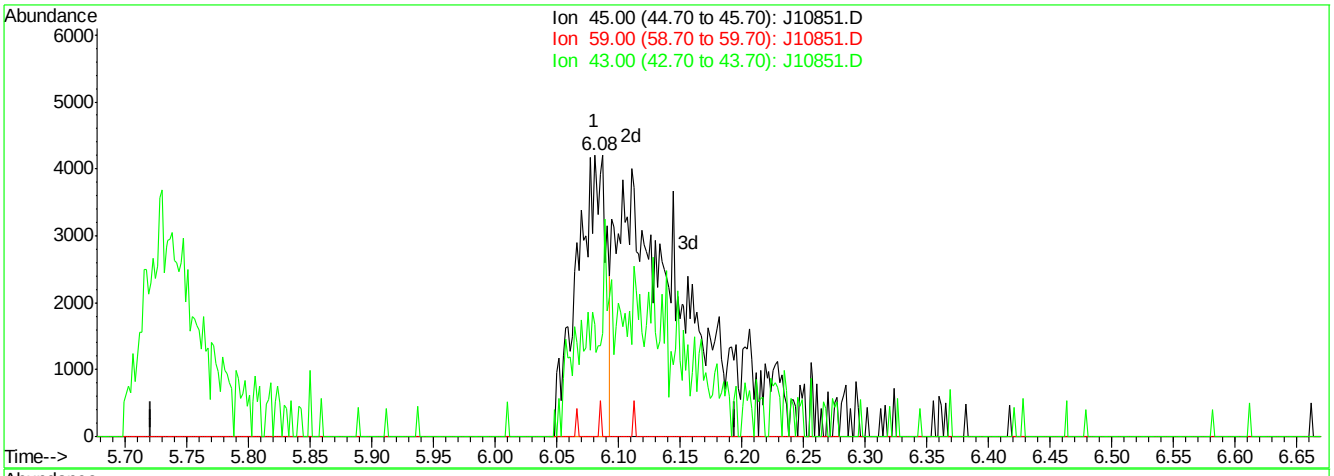
6

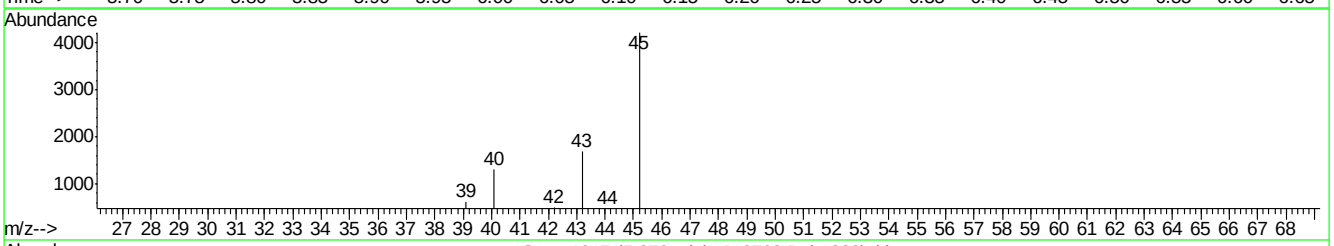
Quantitation Report (Qedit)

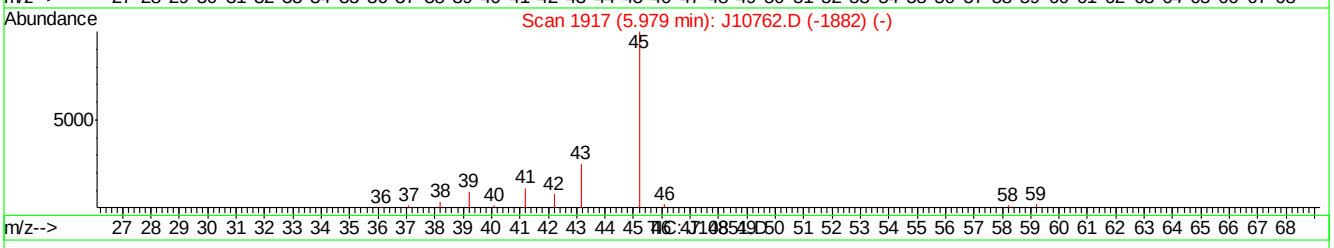
Data File : C:\MSDChem\1\data\J10851.D Vial: 9
Acq On : 3 Jul 2007 7:44 pm Operator: danat
Sample : scc (M221) Inst : MSJ
Misc : MS13857, MSJ561,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 08:42:15 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







(11) ISOPROPYL ALCOHOL (m)

6.08min 0.18PPBV

response 6876

Ion	Exp%	Act%
45.00	100	100
59.00	2.20	0.00
43.00	25.50	39.89
0.00	0.00	0.00

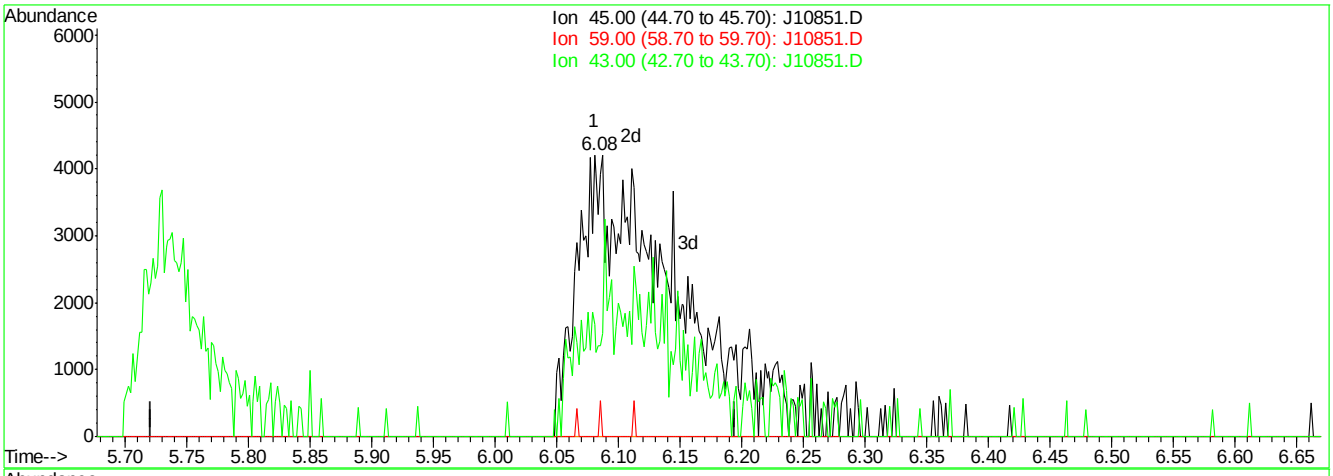
J10851.D J062507T.M Thu Jul 05 17:40:17 2007

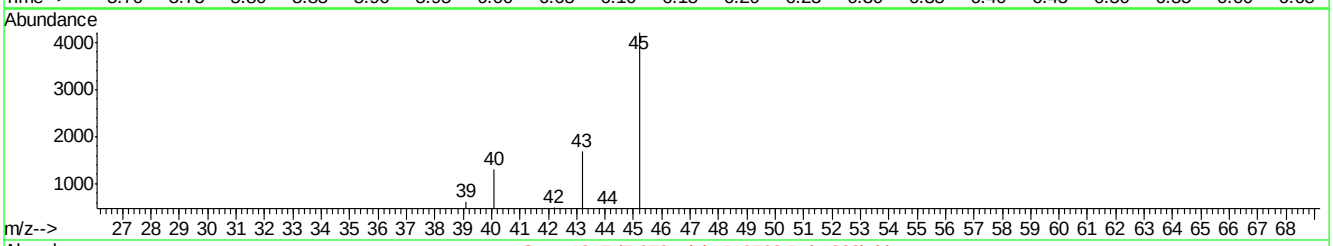
Quantitation Report (Qedit)

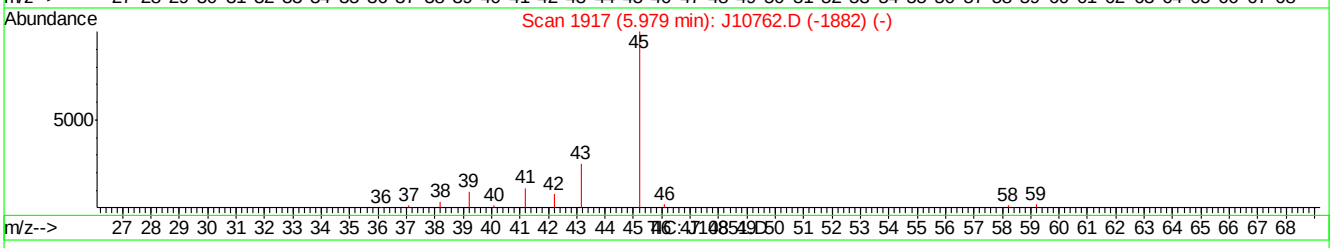
Data File : C:\MSDChem\1\data\J10851.D Vial: 9
Acq On : 3 Jul 2007 7:44 pm Operator: danat
Sample : scc (M221) Inst : MSJ
Misc : MS13857, MSJ561,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 08:42:15 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







(11) ISOPROPYL ALCOHOL (m)

6.08min 0.56PPBV m

response 21545

Ion	Exp%	Act%
45.00	100	100
59.00	2.20	0.00
43.00	25.50	39.89
0.00	0.00	0.00

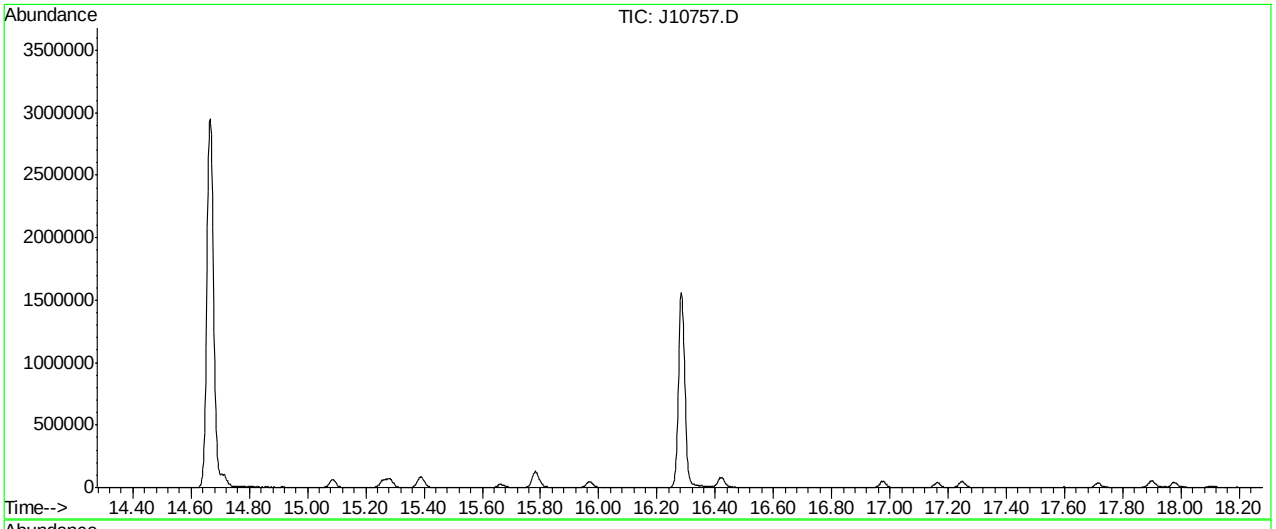
J10851.D J062507T.M Thu Jul 05 17:40:29 2007

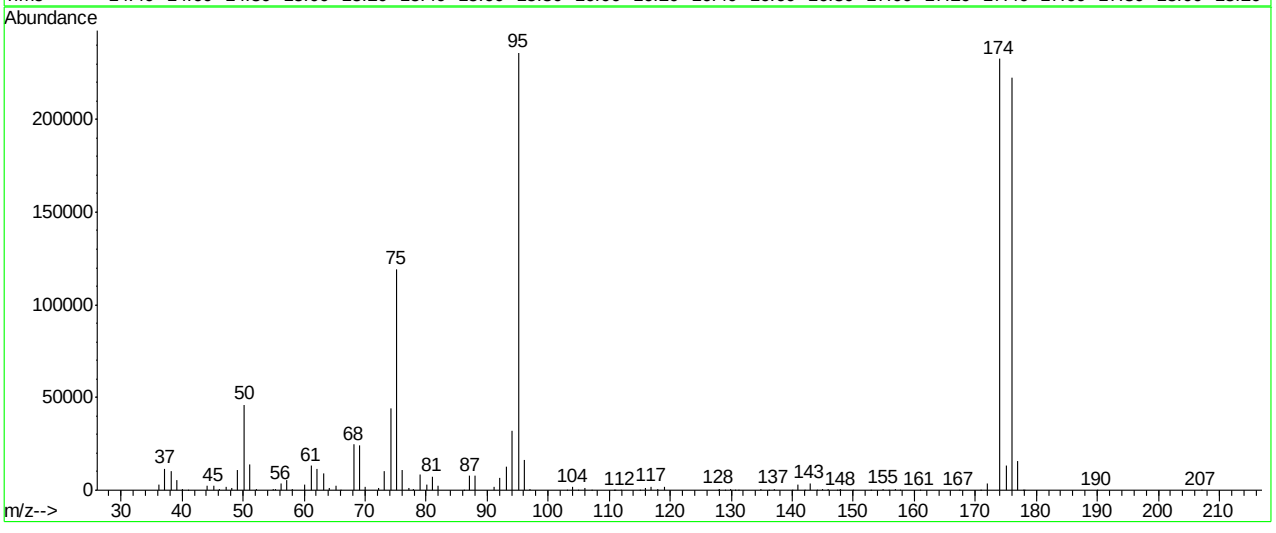
BFB

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)

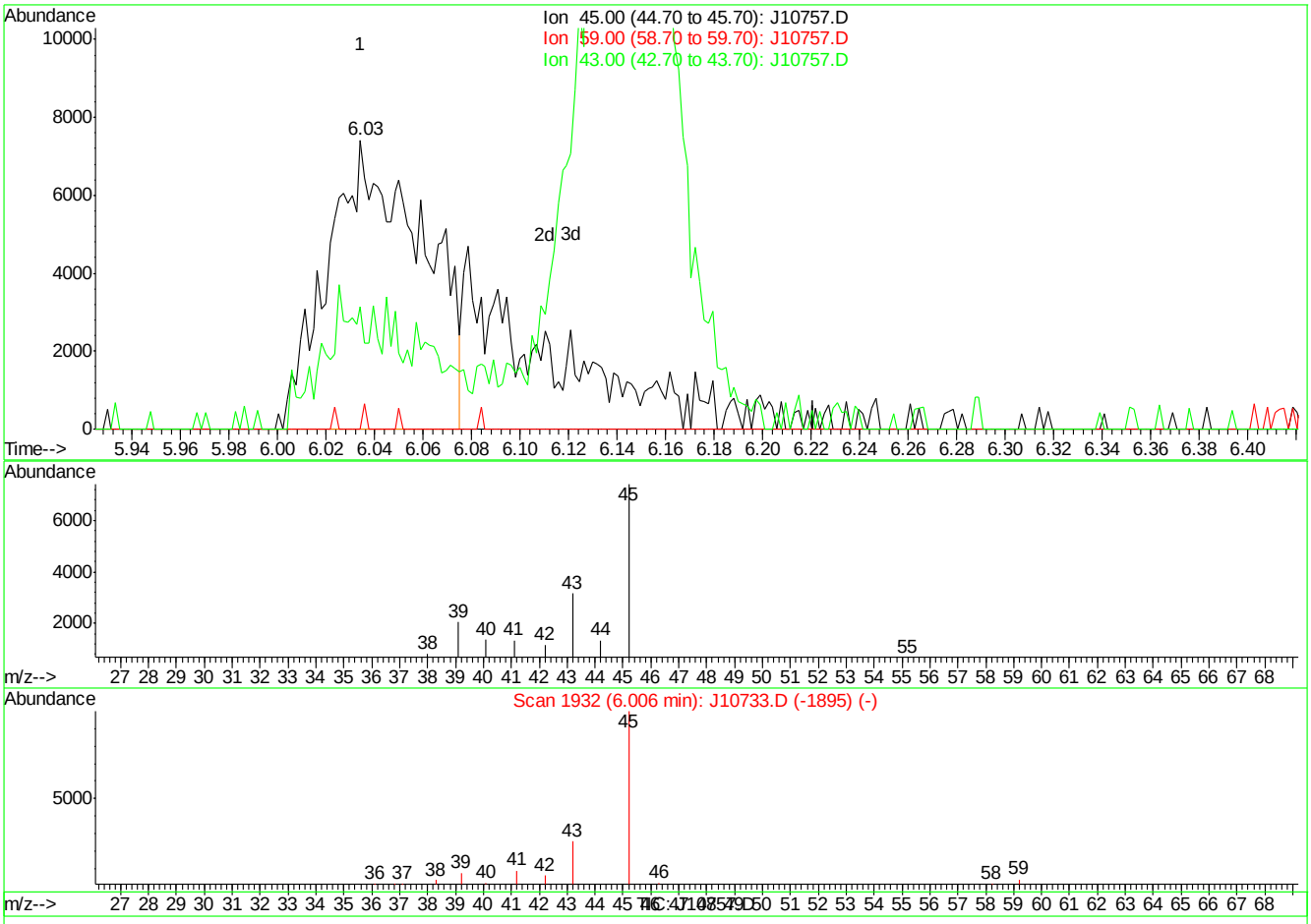
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
157.70	216	189.90	149				
160.90	252	207.00	144				
167.30	185						
170.90	169						
172.00	3719						
174.00	232533						
175.10	13538						
176.00	222378						
177.00	15745						
177.80	173						
178.10	138						

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

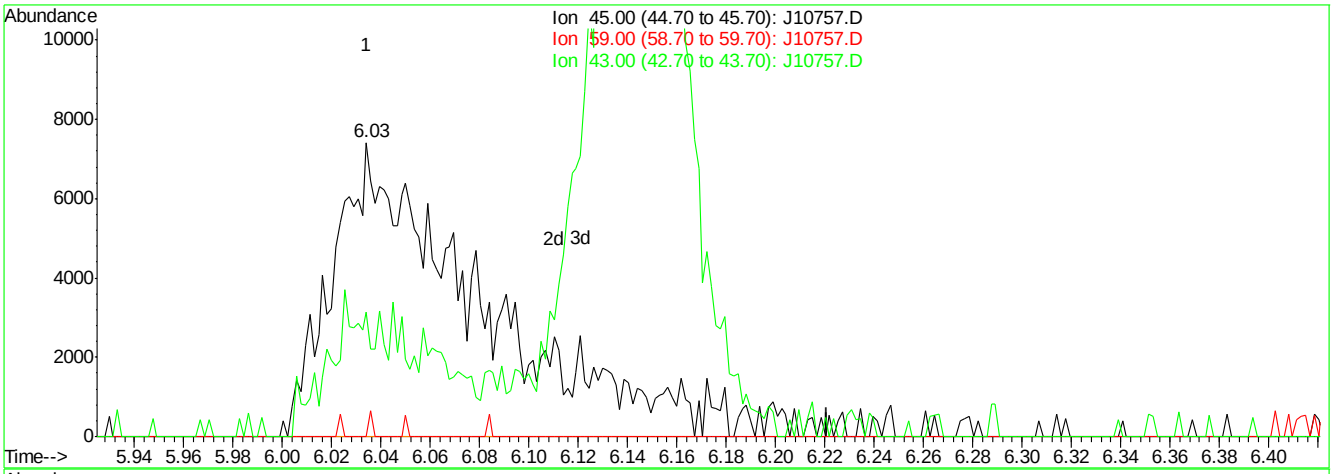
J10757.D J062507T.M Mon Jun 25 10:48:40 2007

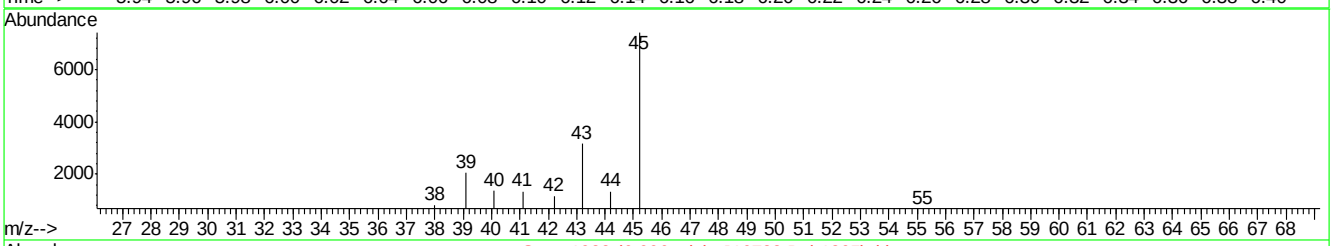
Quantitation Report (Qedit)

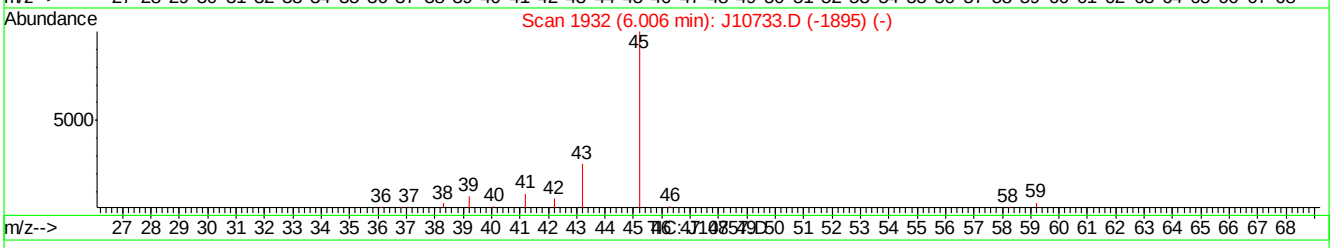
Data File : C:\MSDChem\1\data\J10757.D Vial: 2
Acq On : 25 Jun 2007 10:16 am Operator: danat
Sample : ic557-0.5 (m141) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

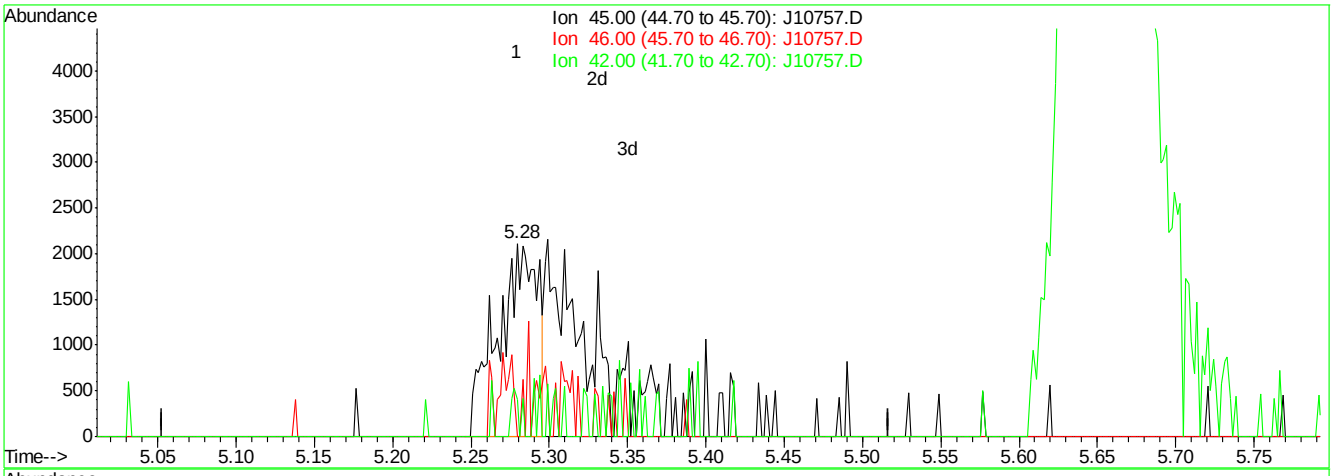
J10757.D J062507T.M Mon Jun 25 10:48:45 2007

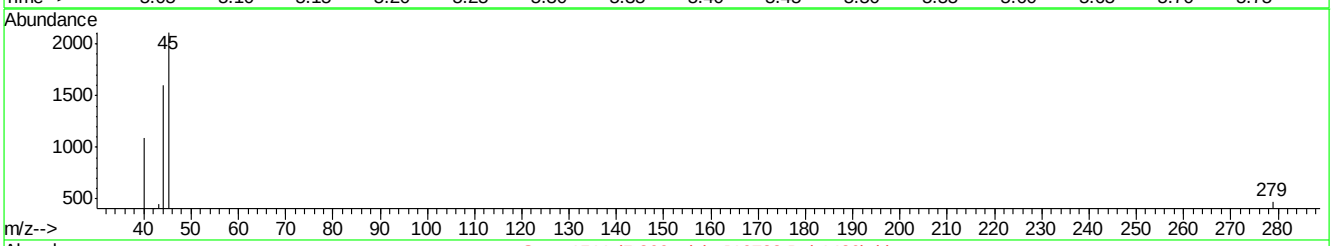
Quantitation Report (Qedit)

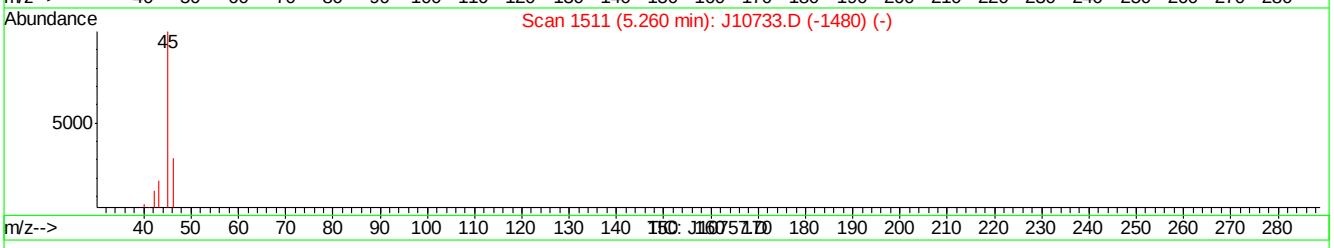
Data File : C:\MSDChem\1\data\J10757.D Vial: 2
Acq On : 25 Jun 2007 10:16 am Operator: danat
Sample : ic557-0.5 (m141) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

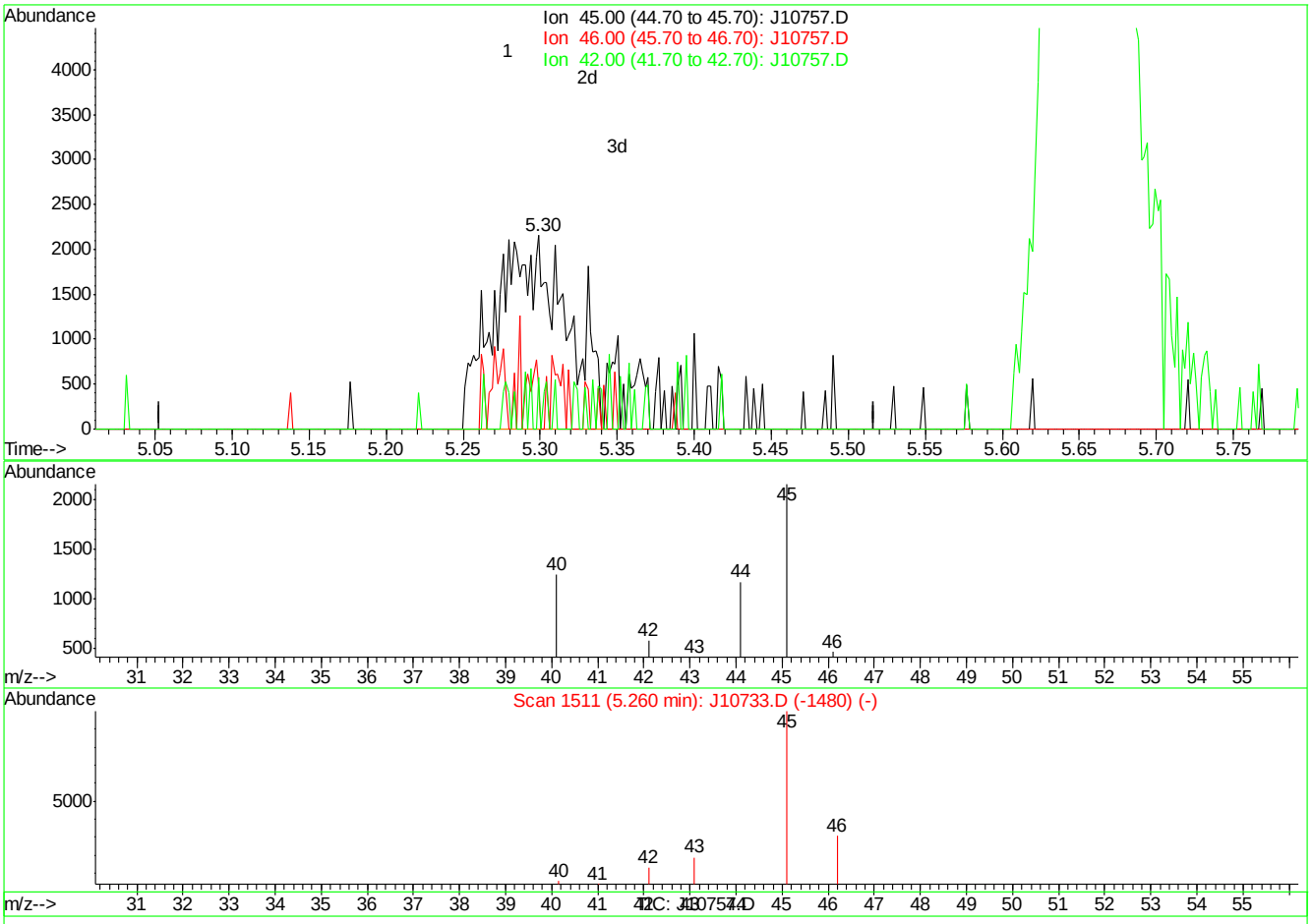
J10757.D J062507T.M Mon Jun 25 10:49:22 2007

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

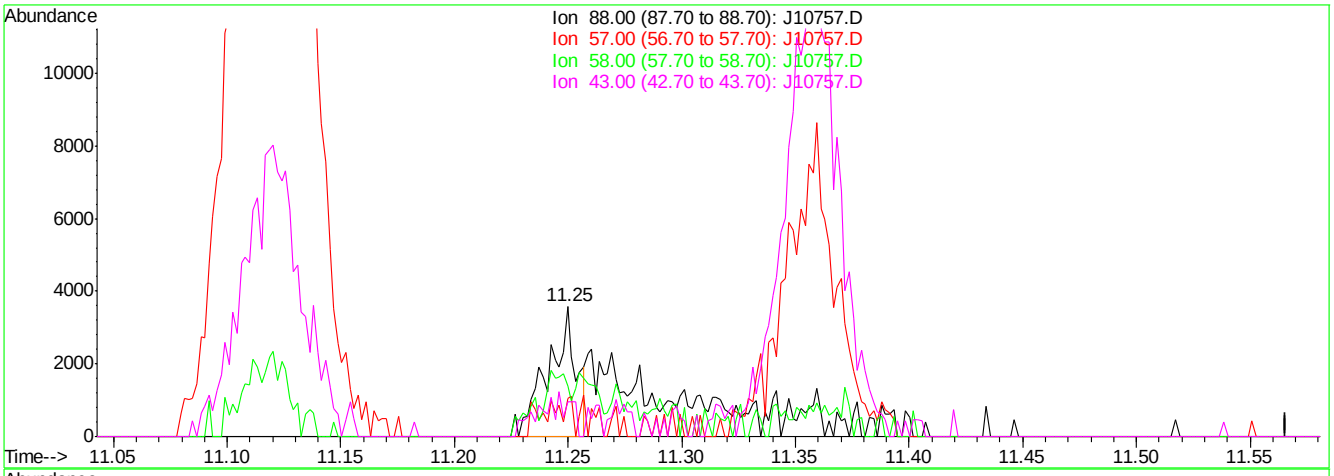
J10757.D J062507T.M Mon Jun 25 10:49:33 2007

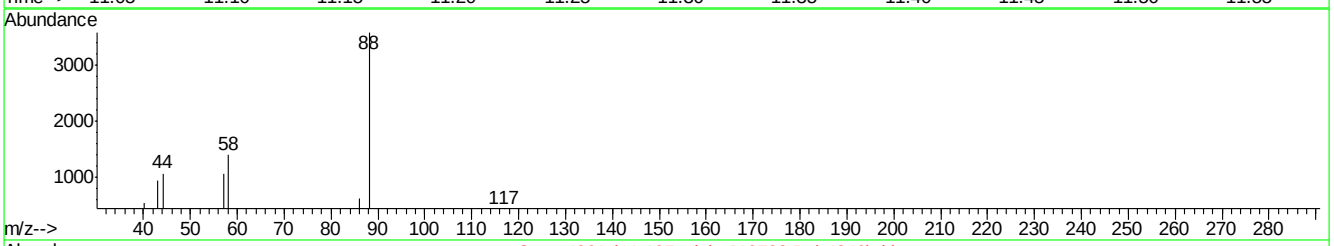
Quantitation Report (Qedit)

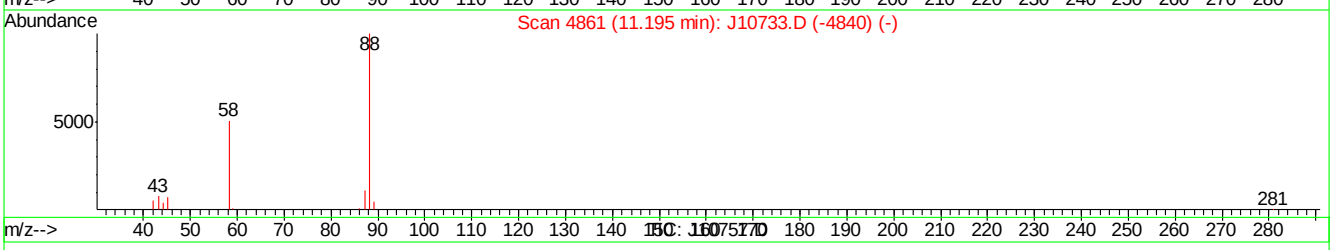
Data File : C:\MSDChem\1\data\J10757.D Vial: 2
Acq On : 25 Jun 2007 10:16 am Operator: danat
Sample : ic557-0.5 (m141) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

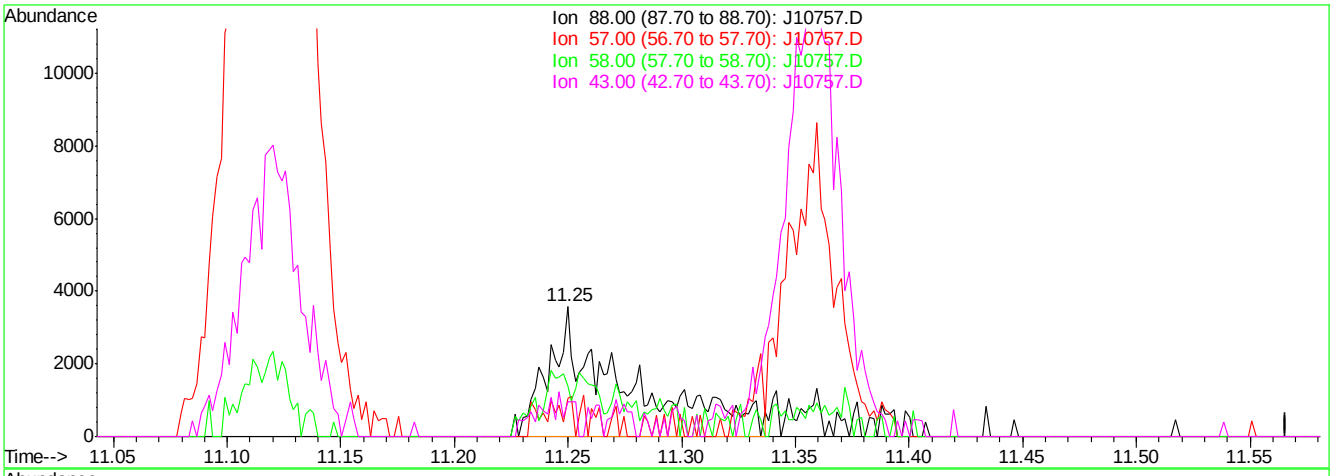
J10757.D J062507T.M Mon Jun 25 10:49:57 2007

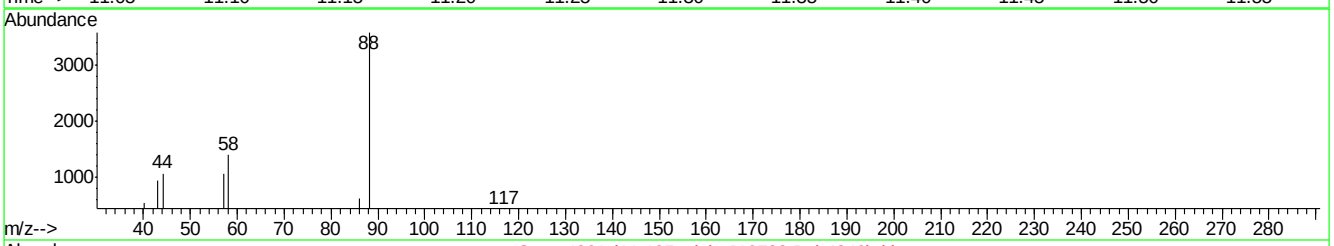
Quantitation Report (Qedit)

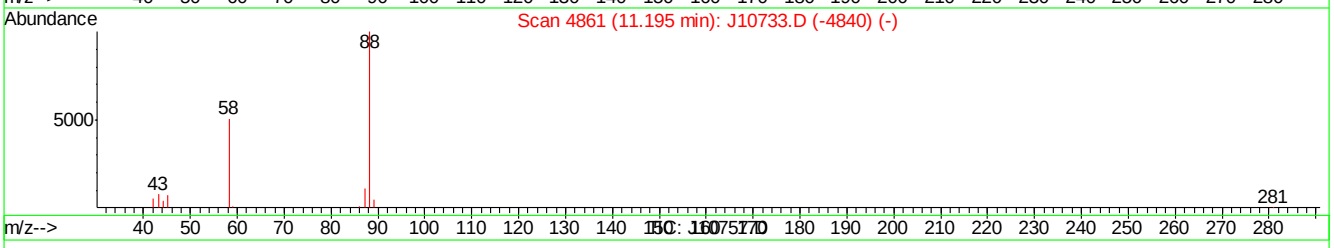
Data File : C:\MSDChem\1\data\J10757.D Vial: 2
Acq On : 25 Jun 2007 10:16 am Operator: danat
Sample : ic557-0.5 (m141) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

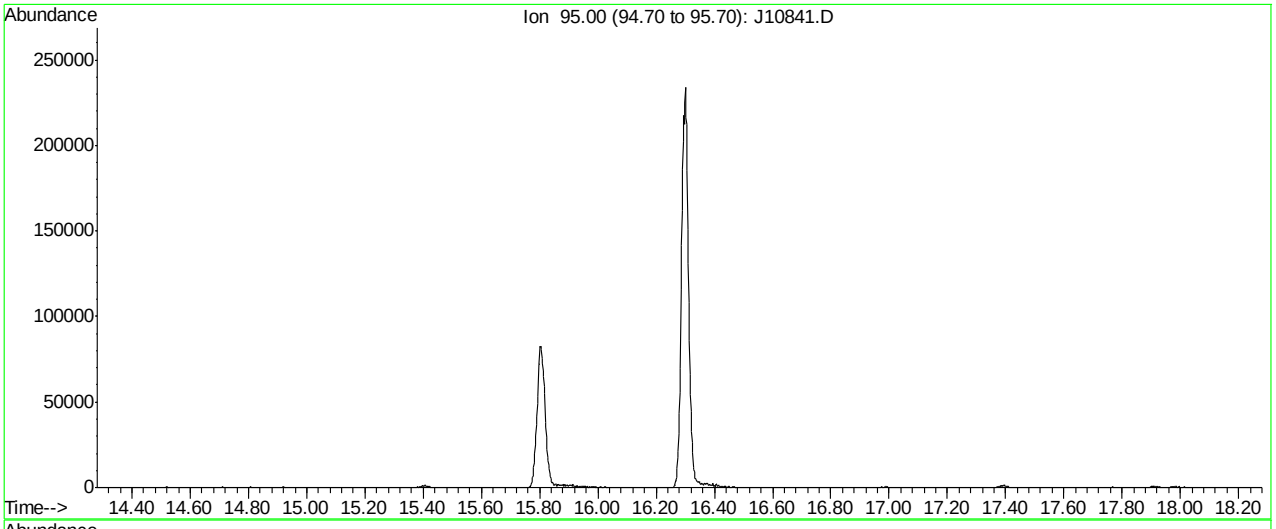
J10757.D J062507T.M Mon Jun 25 10:50:10 2007

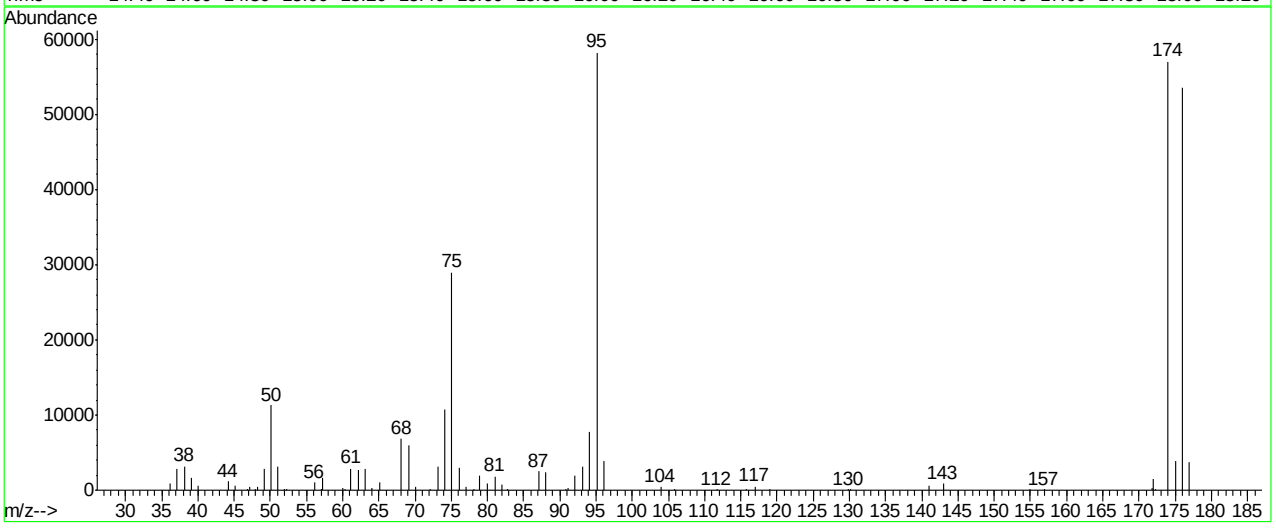
BFB

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)

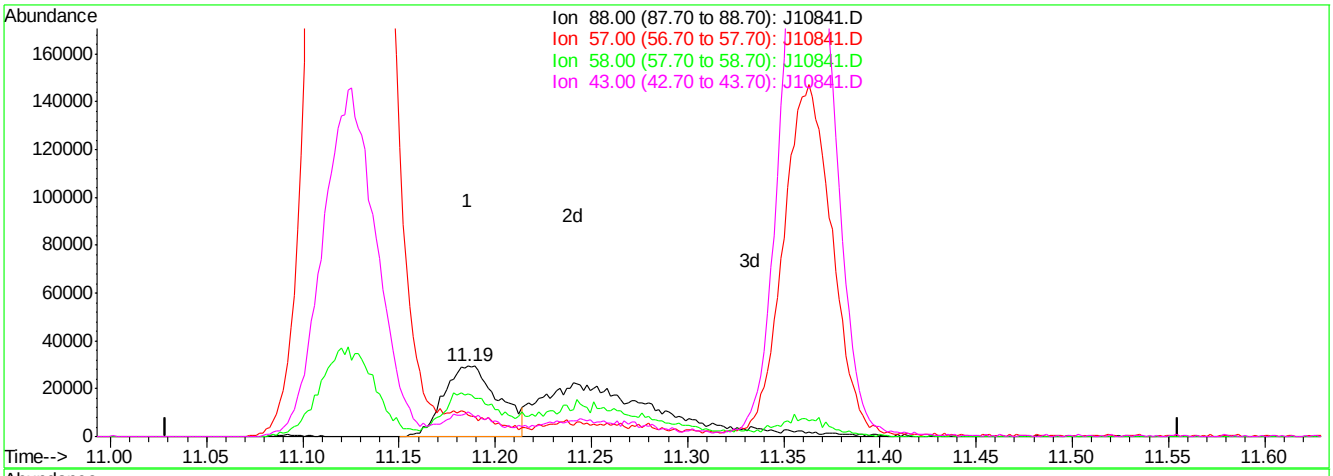
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
91.15	285	119.00	197	175.05	3920		
92.10	1937	129.90	101	176.00	53480		
93.10	3154	130.10	93	177.00	3704		
94.15	7686	140.95	610				
95.10	58224	142.95	887				
96.10	3957	154.90	108				
103.95	403	156.90	113				
105.90	184	171.80	243				
111.70	93	172.00	1560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

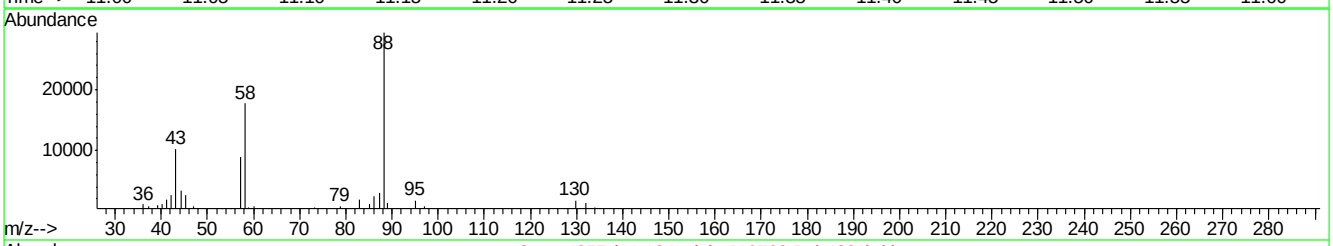
Quantitation Report (Qedit)

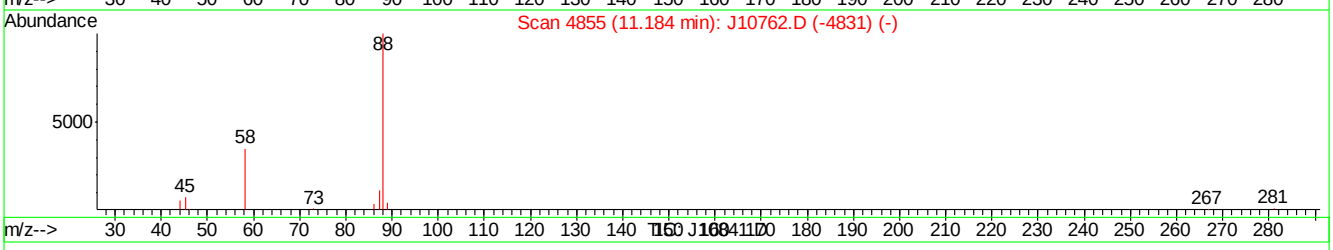
Data File : C:\MSDChem\1\data\J10841.D Vial: 1
Acq On : 3 Jul 2007 11:46 am Operator: danat
Sample : cc557-10 (M080) Inst : MSJ
Misc : MS13762, MSJ561,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

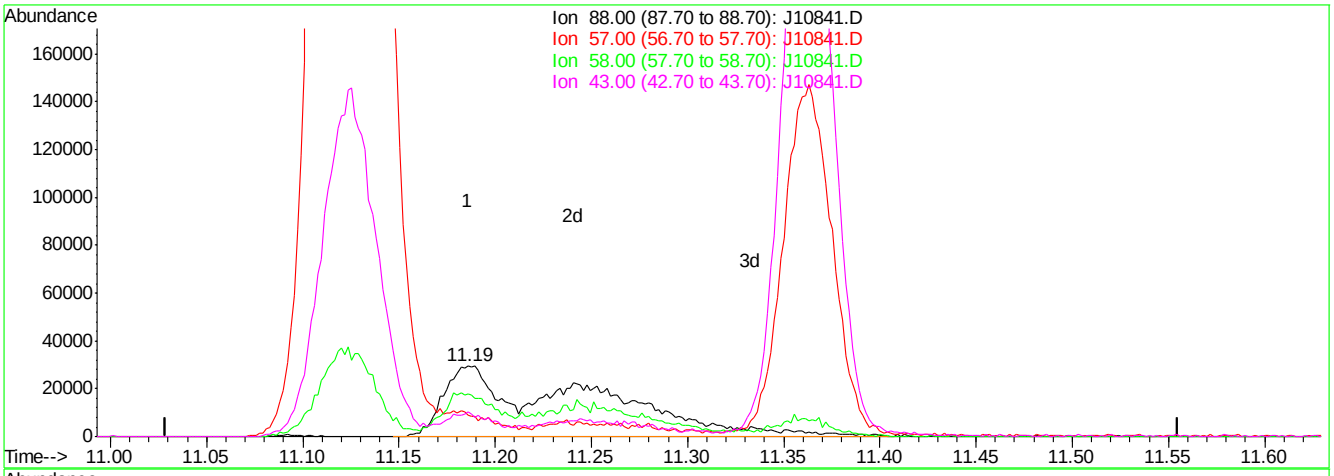
J10841.D J062507T.M Thu Jul 05 17:19:09 2007

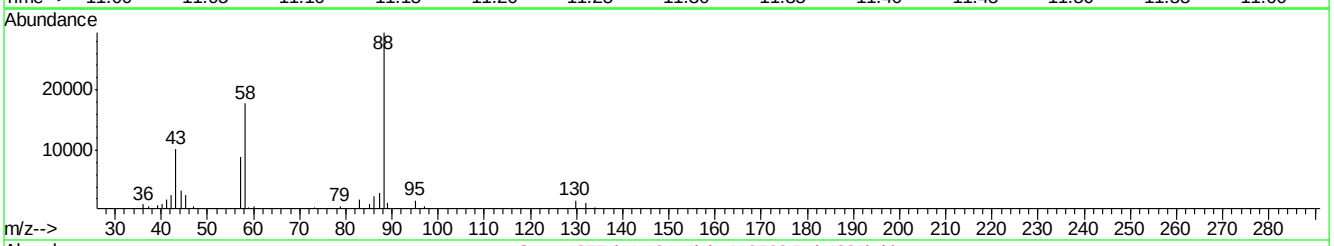
Quantitation Report (Qedit)

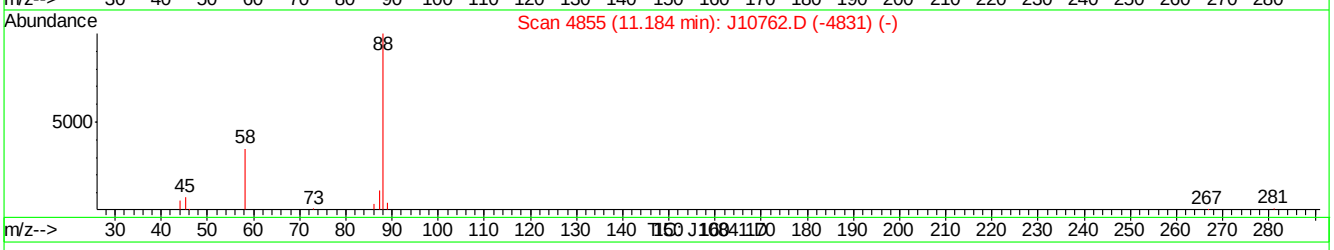
Data File : C:\MSDChem\1\data\J10841.D Vial: 1
Acq On : 3 Jul 2007 11:46 am Operator: danat
Sample : cc557-10 (M080) Inst : MSJ
Misc : MS13762, MSJ561,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

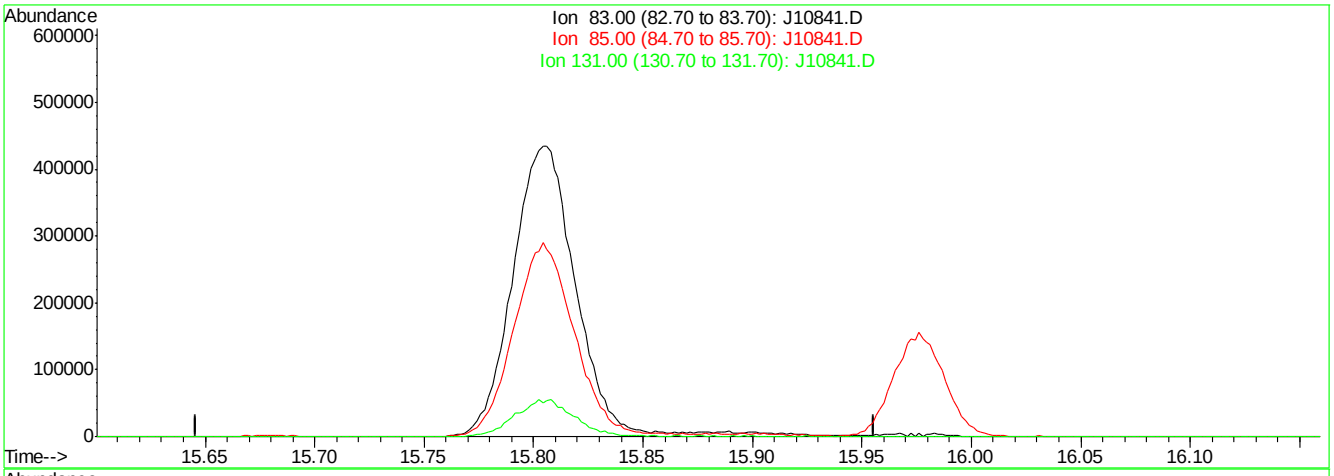
J10841.D J062507T.M Thu Jul 05 17:19:21 2007

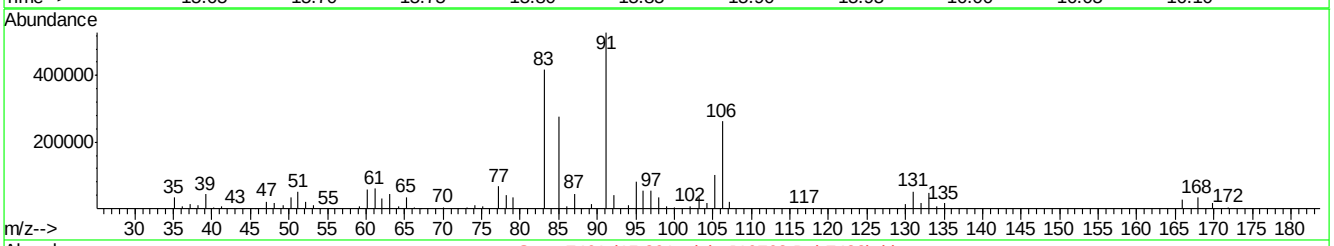
Quantitation Report (Qedit)

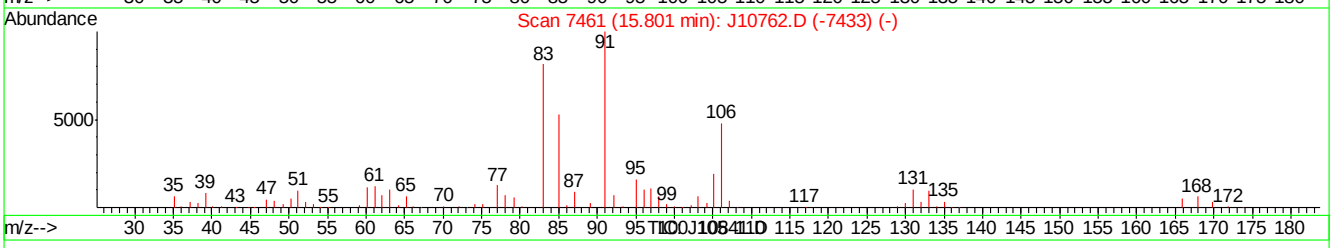
Data File : C:\MSDChem\1\data\J10841.D Vial: 1
Acq On : 3 Jul 2007 11:46 am Operator: danat
Sample : cc557-10 (M080) Inst : MSJ
Misc : MS13762, MSJ561,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

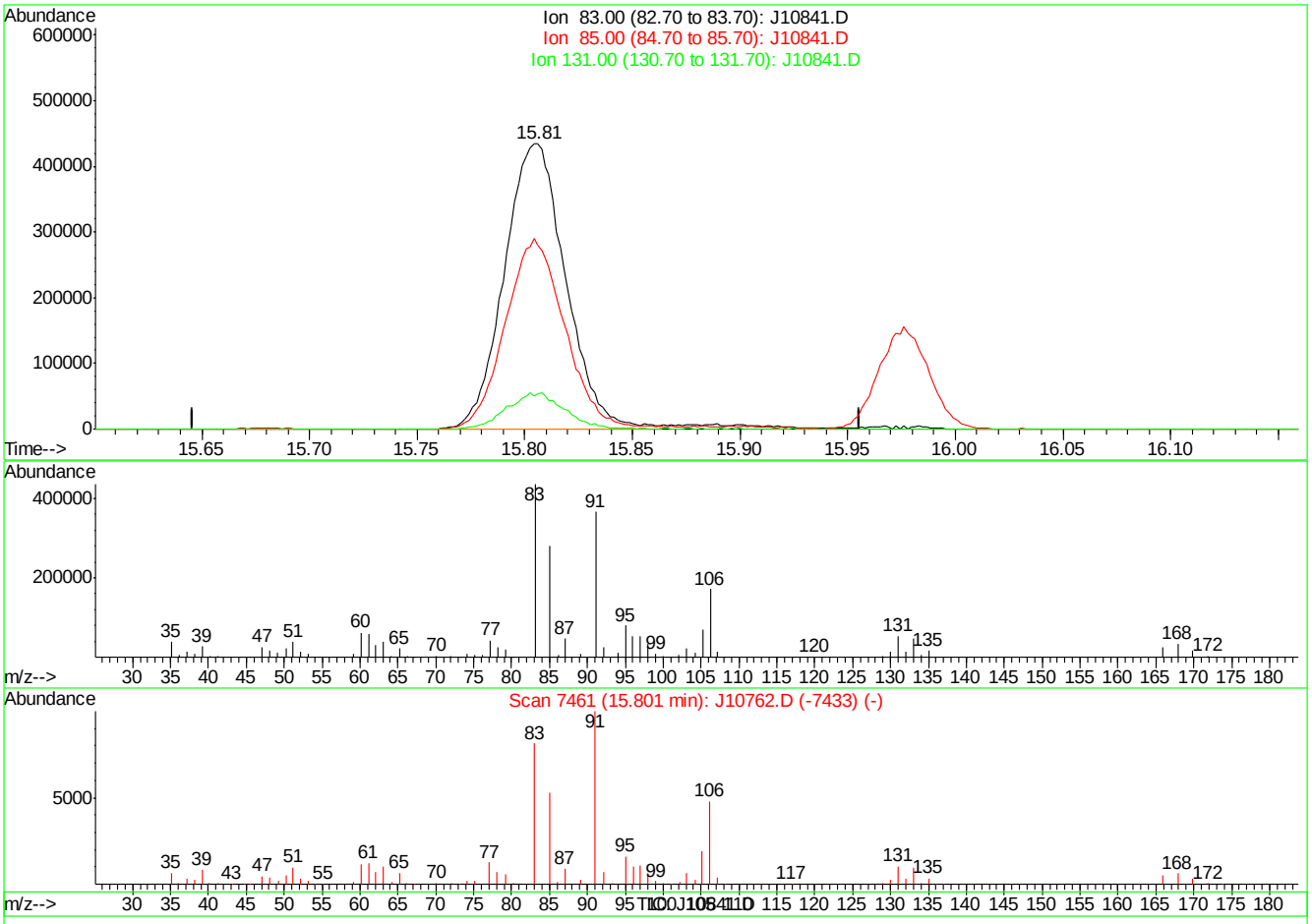
J10841.D J062507T.M Thu Jul 05 17:19:39 2007

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

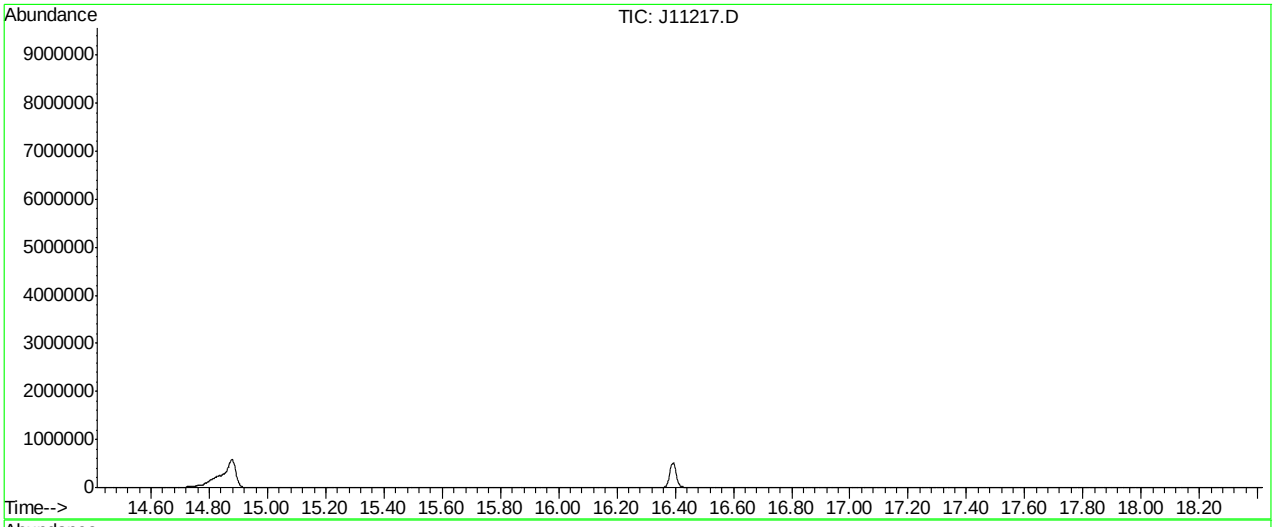
J10841.D J062507T.M Thu Jul 05 17:19:43 2007

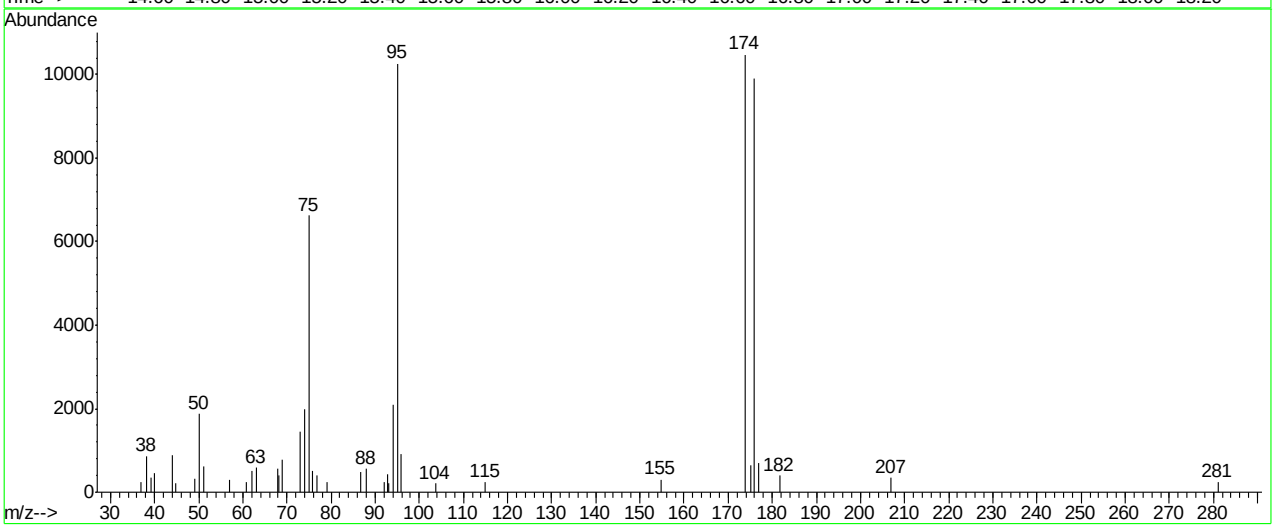
BFB

Data File : C:\MSDCHEM\1\DATA\J11217.D
Acq On : 6 Sep 2007 2:30 pm
Sample : IC589-4 (M142)
Misc : MS14204, MSJ589,,,,,1
MS Integration Params: LSCINT.P

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

Method : C:\MSDCHEM\1\METHODS\J072007T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um





Spectrum Information: Average of 16.414 to 16.416 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	18.2	1867	PASS
75	95	30	66	64.5	6622	PASS
95	95	100	100	100.0	10263	PASS
96	95	5	9	8.9	909	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	102.1	10479	PASS
175	174	4	9	6.3	655	PASS
176	174	93	101	94.5	9907	PASS
177	176	5	9	7.0	690	PASS

J11217.D J072007T.M Thu Sep 06 15:38:29 2007

Average of 16.414 to 16.416 min.: J11217.D
IC589-4 (M142)

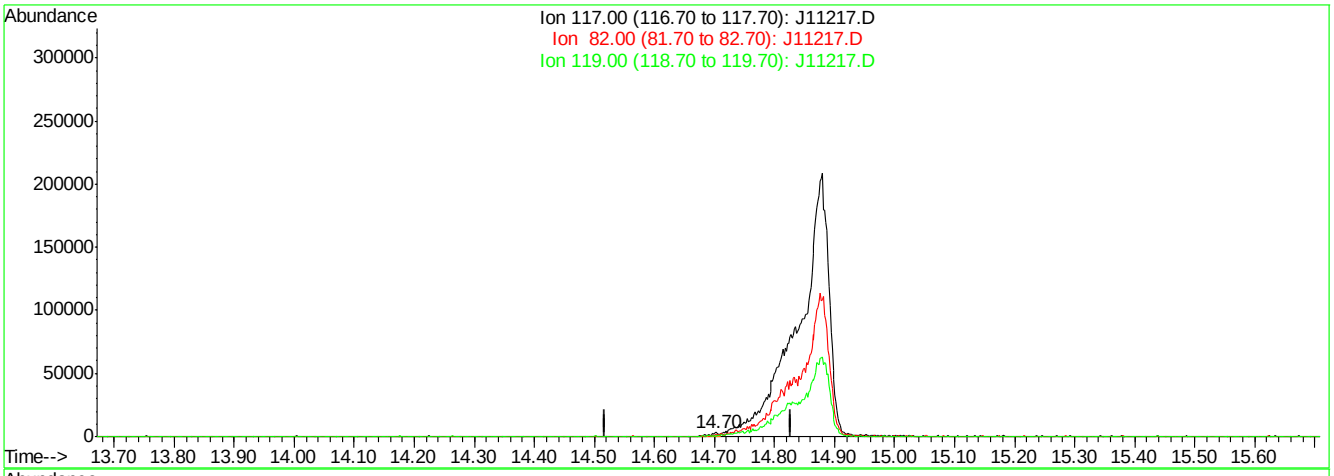
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
37.00	249	62.05	499	86.80	497	173.85	10479
38.05	864	62.95	580	87.85	555	175.00	655
39.10	360	67.90	563	92.00	234	175.90	9907
39.90	446	68.10	415	92.80	423	176.80	690
43.95	879	68.95	772	93.00	228	181.70	401
44.90	215	72.95	1439	94.05	2101	206.90	343
49.00	323	74.05	1978	95.00	10263	281.00	247
50.05	1867	75.00	6622	95.95	909		
51.05	615	75.80	502	103.70	210		
57.10	292	76.80	391	115.00	247		
60.90	240	79.00	240	154.70	304		

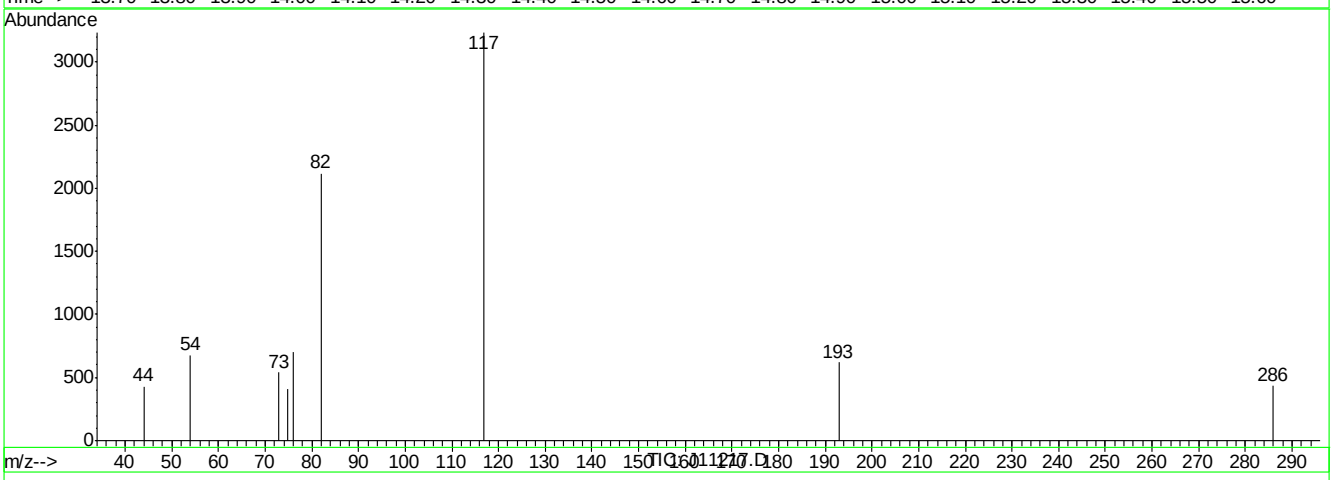
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11217.D Vial: 1
Acq On : 6 Sep 2007 2:30 pm Operator: PhilipB
Sample : IC589-4 (M142) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 06 15:37:18 2007 Results File: J072007T.RES

Method : C:\MSDCHEM\1\METHODS\J072007T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Sep 06 15:37:11 2007
Response via : Multiple Level Calibration





(49) CHLOROBENZENE-D5 (I)

14.70min 10.00PPBV

response 3055

Ion	Exp%	Act%
117.00	100	100
82.00	52.40	65.30
119.00	32.10	20.20
0.00	0.00	0.00

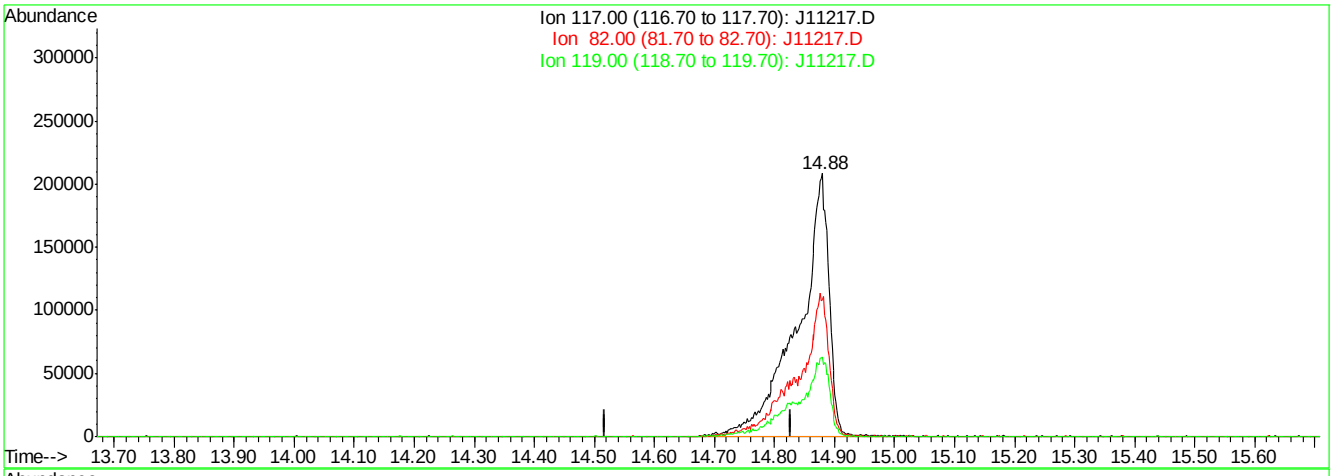
J11217.D J072007T.M Thu Sep 06 15:37:52 2007

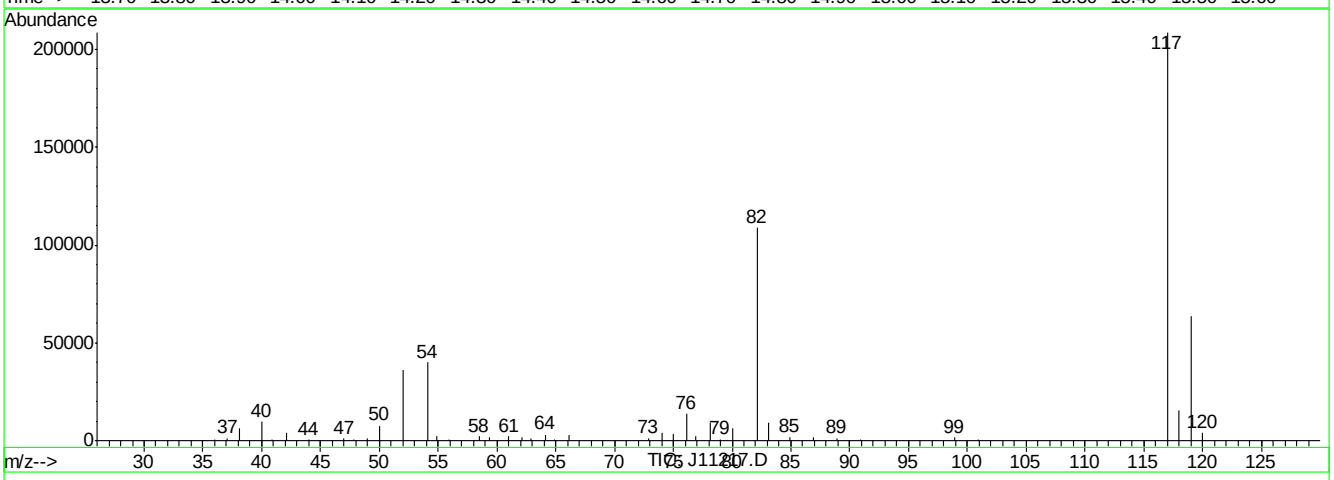
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11217.D Vial: 1
Acq On : 6 Sep 2007 2:30 pm Operator: PhilipB
Sample : IC589-4 (M142) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 06 15:37:18 2007 Results File: J072007T.RES

Method : C:\MSDCHEM\1\METHODS\J072007T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Sep 06 15:37:11 2007
Response via : Multiple Level Calibration





(49) CHLOROBENZENE-D5 (I)

14.88min 10.00PPBV m

response 744584

Ion	Exp%	Act%
117.00	100	100
82.00	52.40	0.27#
119.00	32.10	0.08#
0.00	0.00	0.00

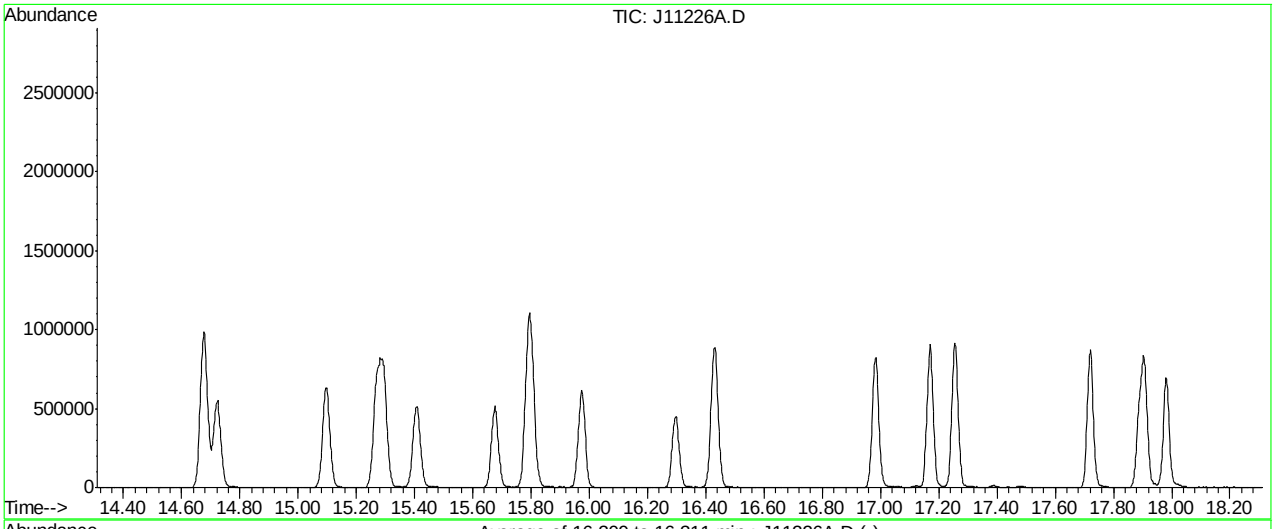
J11217.D J072007T.M Thu Sep 06 15:38:01 2007

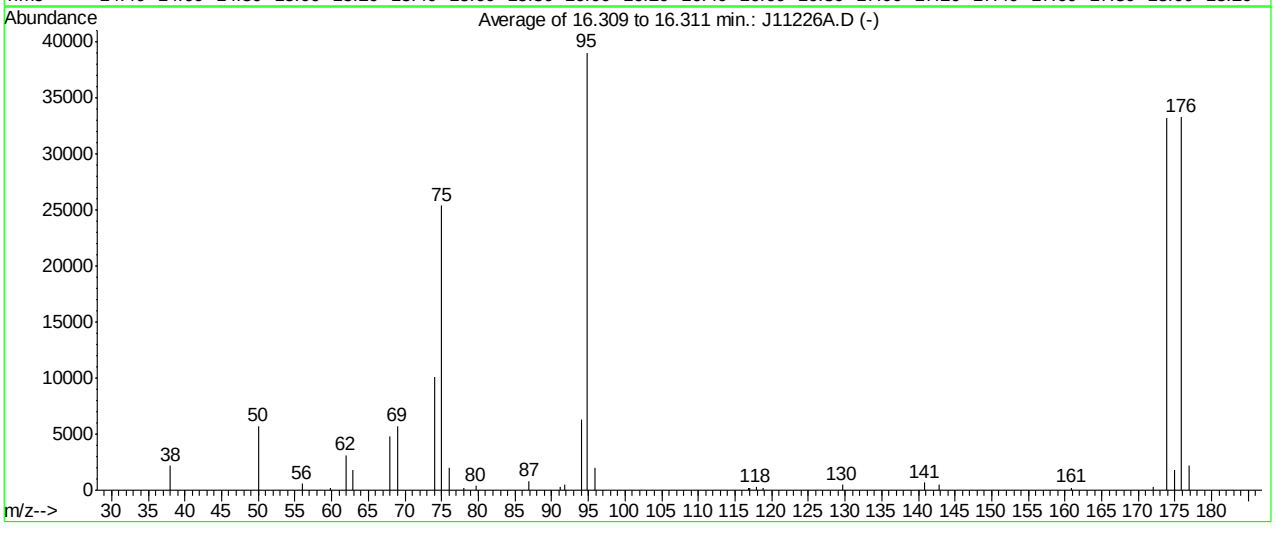
BFB

Data File : C:\MSDCHEM\1\DATA\J11226A.D
Acq On : 6 Sep 2007 9:51 pm
Sample : CC589-10 (M020)
Misc : MS14255, MSJ590,,,,,1
MS Integration Params: LSCINT.P

Vial: 4
Operator: PhilipB
Inst : MSJ
Multiplr: 1.00

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um





Spectrum Information: Average of 16.309 to 16.311 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	14.6	5722	PASS
75	95	30	66	65.0	25400	PASS
95	95	100	100	100.0	39088	PASS
96	95	5	9	5.0	1961	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	85.0	33220	PASS
175	174	4	9	5.3	1757	PASS
176	174	93	101	100.3	33328	PASS
177	176	5	9	6.6	2192	PASS

J11226A.D J090607T.M Fri Sep 07 11:35:24 2007

Average of 16.309 to 16.311 min.: J11226A.D
CC589-10 (M020)
Modified:subtracted

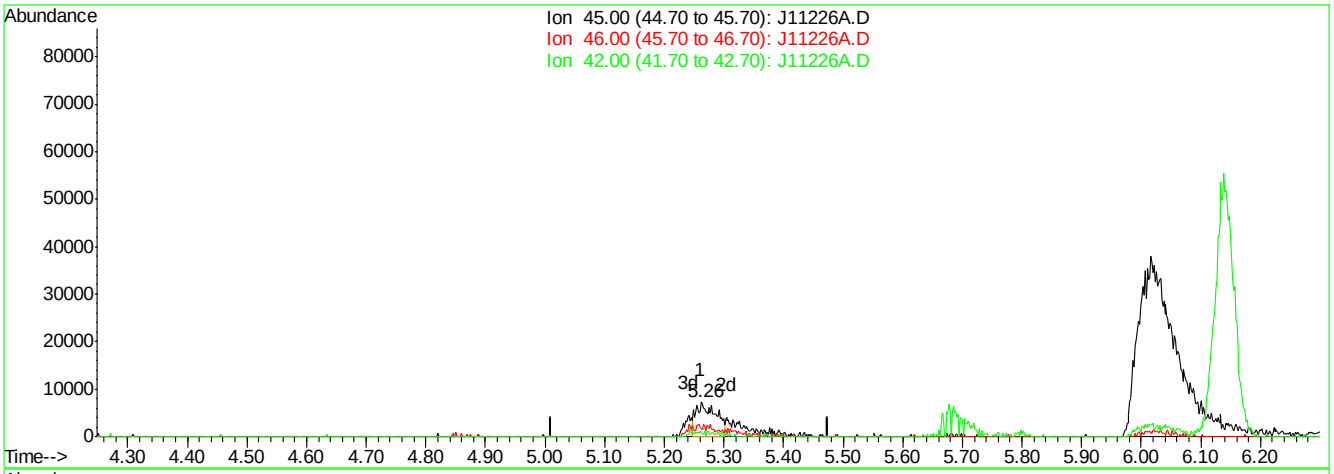
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
38.05	2188	78.10	211	118.80	202		
50.00	5722	79.70	380	129.65	454		
55.95	573	86.90	815	140.90	660		
59.80	184	91.20	286	142.90	526		
61.95	3126	91.85	459	160.90	243		
62.95	1814	94.10	6336	172.00	316		
68.00	4779	94.80	39088	173.85	33220		
69.00	5715	95.95	1961	174.90	1757		
74.00	10095	116.80	240	175.85	33328		
75.00	25400	117.00	239	176.85	2192		
76.00	1978	117.90	282				

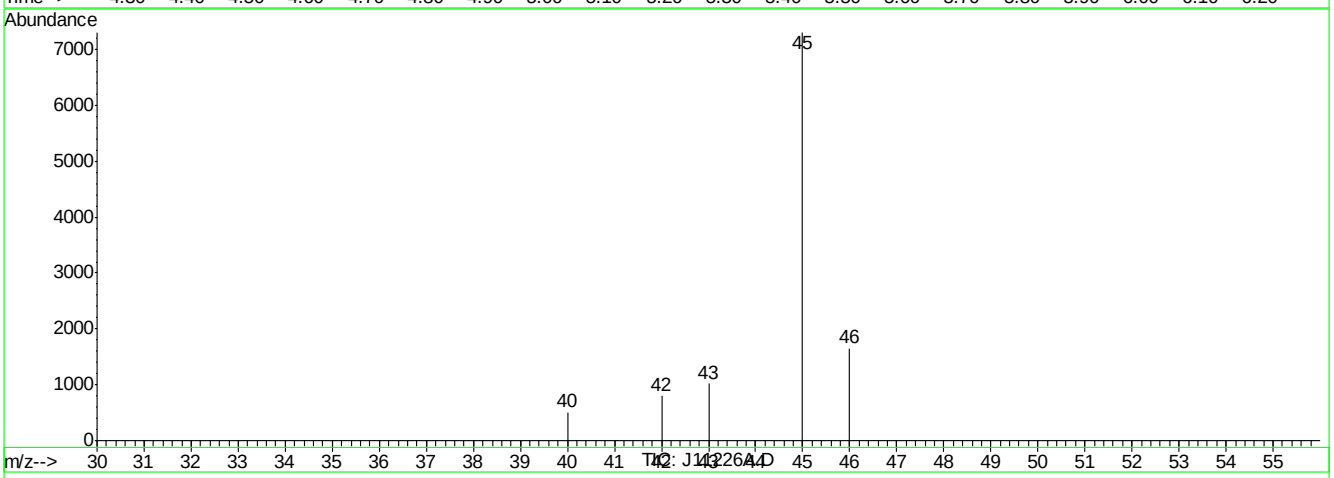
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11226A.D Vial: 4
Acq On : 6 Sep 2007 9:51 pm Operator: PhilipB
Sample : CC589-10 (M020) Inst : MSJ
Misc : MS14255, MSJ590,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 11:29:32 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:10:25 2007
Response via : Multiple Level Calibration





(16) ETHANOL (m)

5.26min 4.35PPBV

response 16102

Ion	Exp%	Act%
45.00	100	100
46.00	34.00	31.93
42.00	9.40	4.96
0.00	0.00	0.00

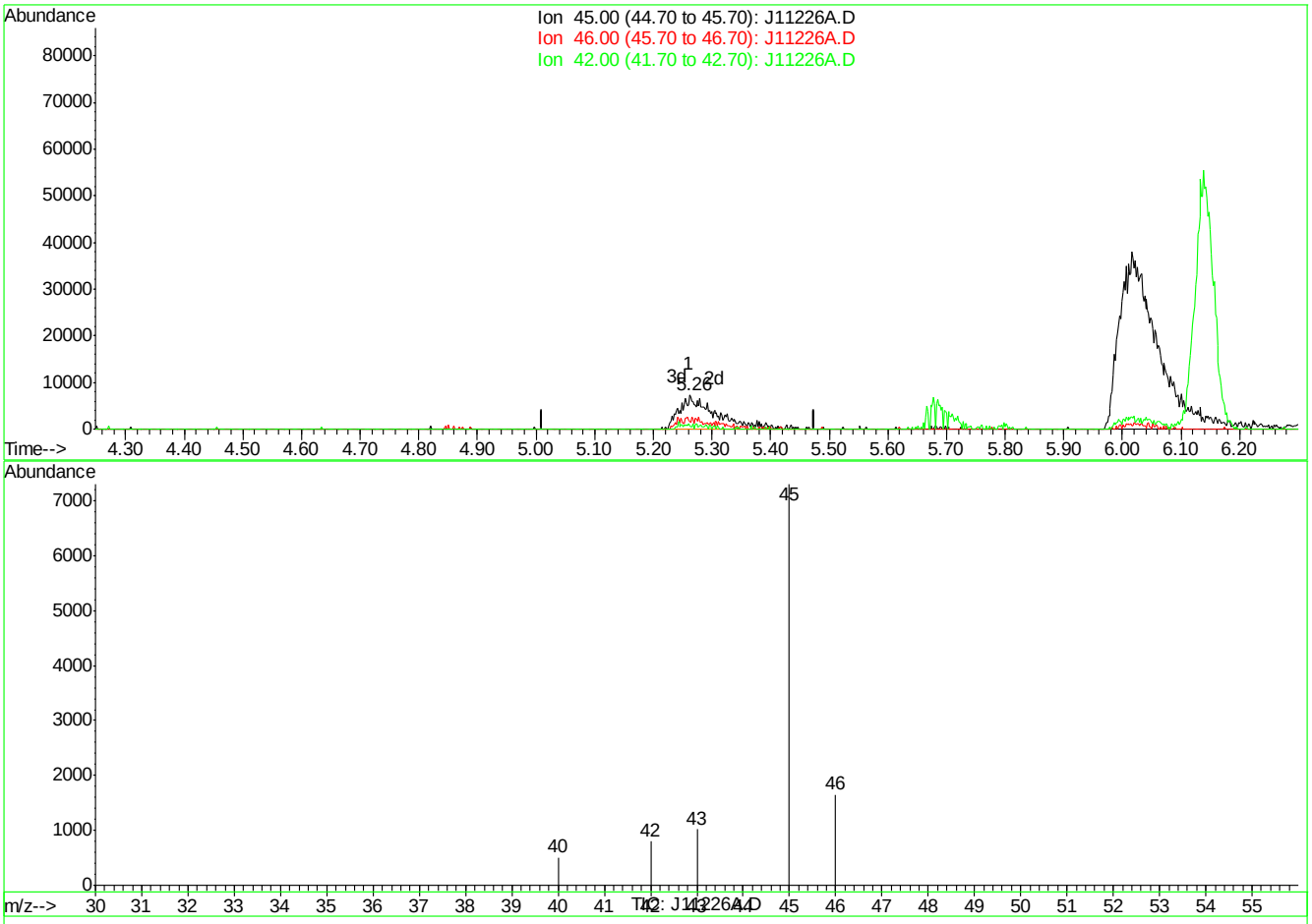
J11226A.D J090607T.M Fri Sep 07 11:29:43 2007

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11226A.D Vial: 4
Acq On : 6 Sep 2007 9:51 pm Operator: PhilipB
Sample : CC589-10 (M020) Inst : MSJ
Misc : MS14255, MSJ590,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 11:29:32 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:10:25 2007
Response via : Multiple Level Calibration



(16) ETHANOL (m)

5.26min 8.30PPBV m

response 30732

Ion	Exp%	Act%
45.00	100	100
46.00	34.00	16.73
42.00	9.40	2.60
0.00	0.00	0.00

J11226A.D J090607T.M Fri Sep 07 11:29:47 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 : J10757.D
Acq On : 25 Jun 2007 10:16 am
Operator : danat
Sample : ic557-0.5 (m141)
Misc : MS13762, MSJ557,,,,,1
ALS Vial : 2 Sample Multiplier: 1

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

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

Quantitation Report (QT Reviewed)

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

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

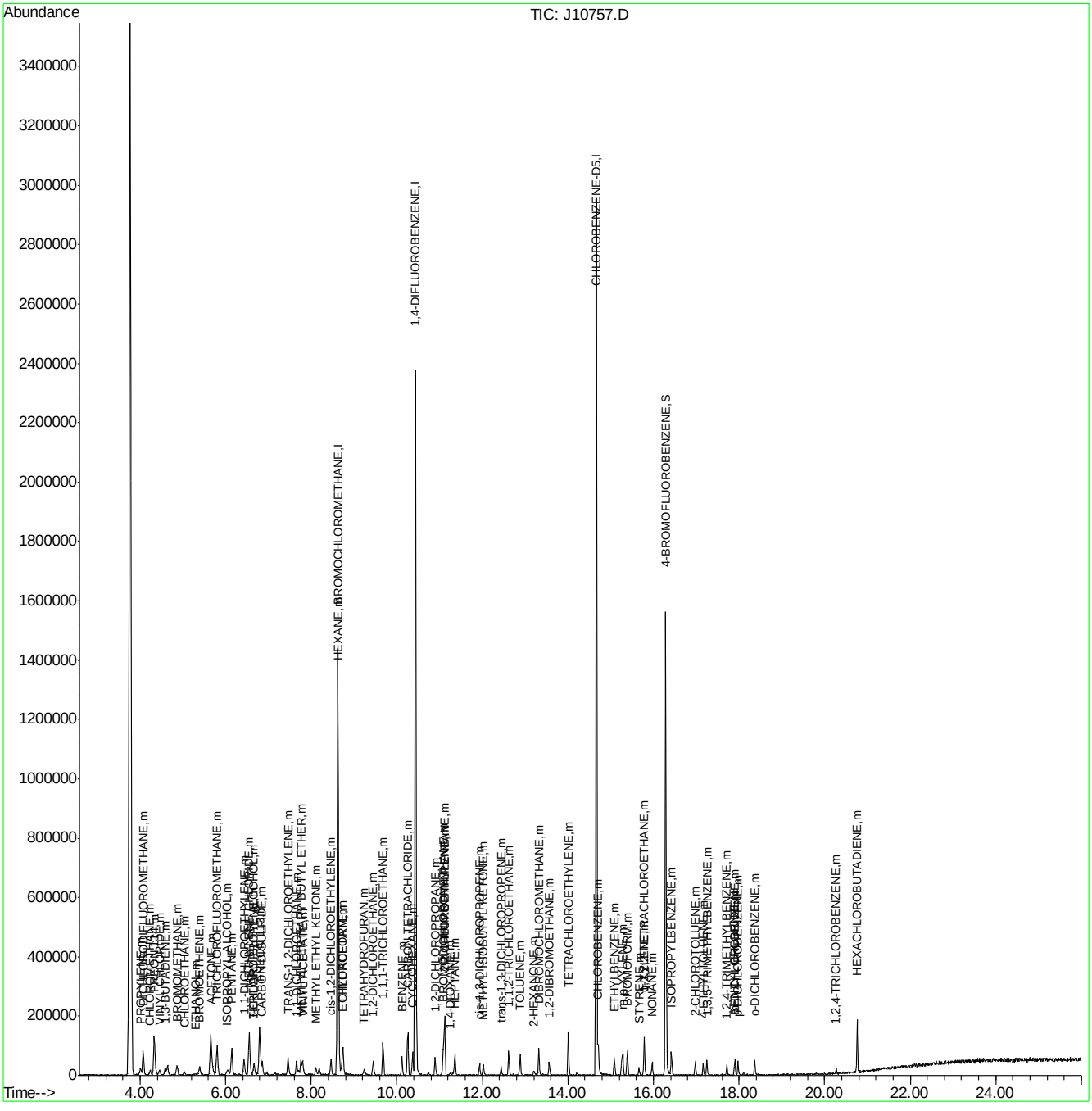
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.02	43	21762	0.37 PPBV #	46
45) cis-1,3-DICHLOROPROPENE	11.93	75	16819	0.34 PPBV	95
46) TOLUENE	12.88	92	27196	0.42 PPBV	98
47) trans-1,3-DICHLOROPROPENE	12.44	75	13551	0.29 PPBV	97
48) 1,1,2-TRICHLOROETHANE	12.61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

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

Quantitation Report (QT Reviewed)

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

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

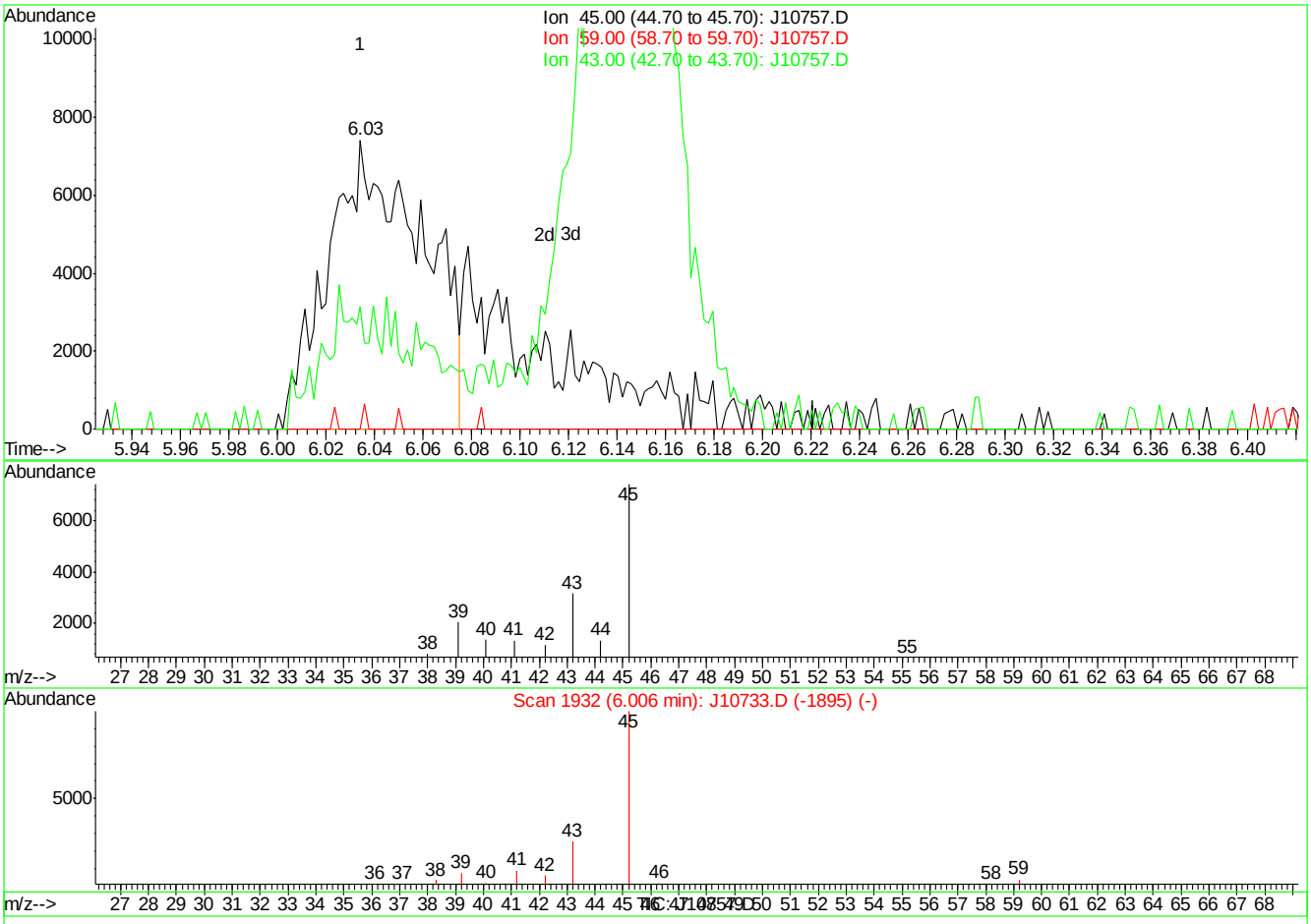


Quantitation Report (Qedit)

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

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

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



(11) ISOPROPYL ALCOHOL (m)

6.03min 0.43PPBV

response 20053

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

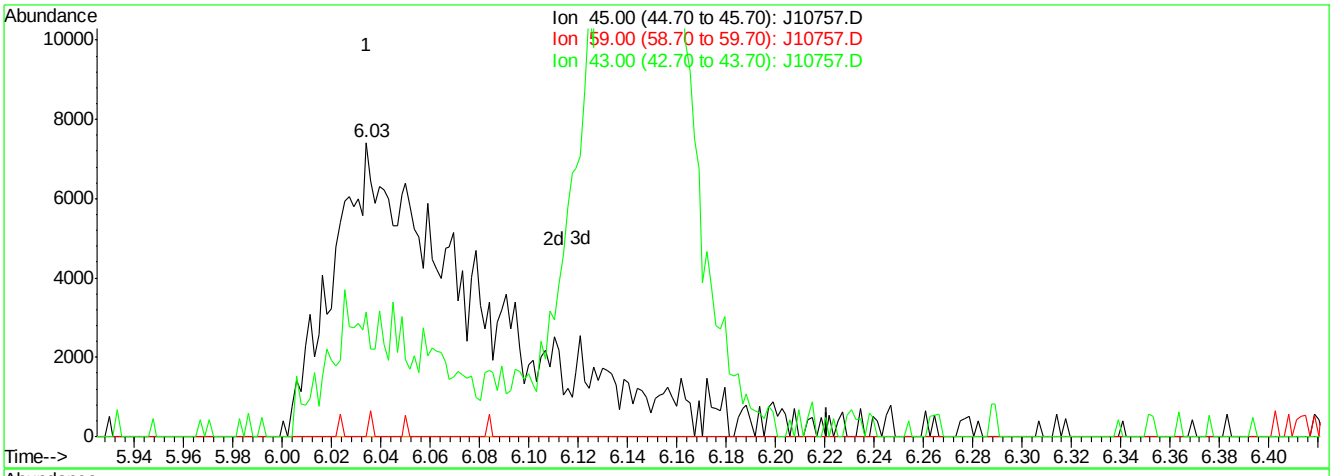
J10757.D J062507T.M Mon Jun 25 10:48:40 2007

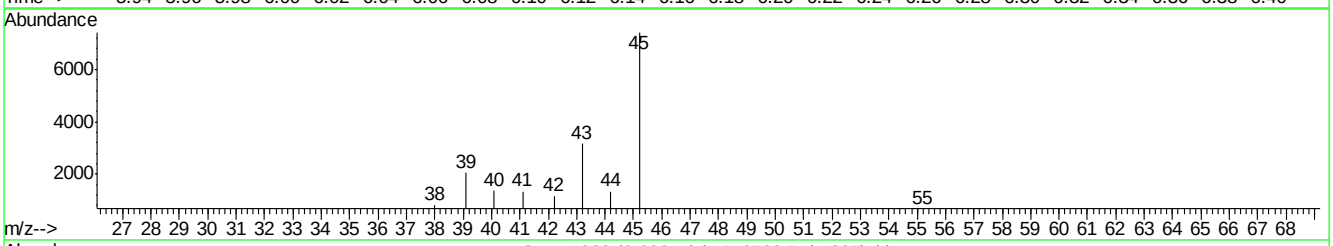
Quantitation Report (Qedit)

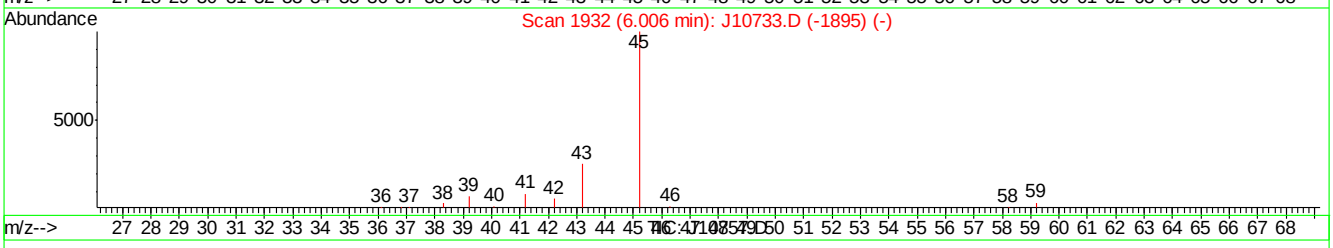
Data File : C:\MSDChem\1\data\J10757.D Vial: 2
Acq On : 25 Jun 2007 10:16 am Operator: danat
Sample : ic557-0.5 (m141) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

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







(11) ISOPROPYL ALCOHOL (m)

6.03min 0.63PPBV m

response 29822

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

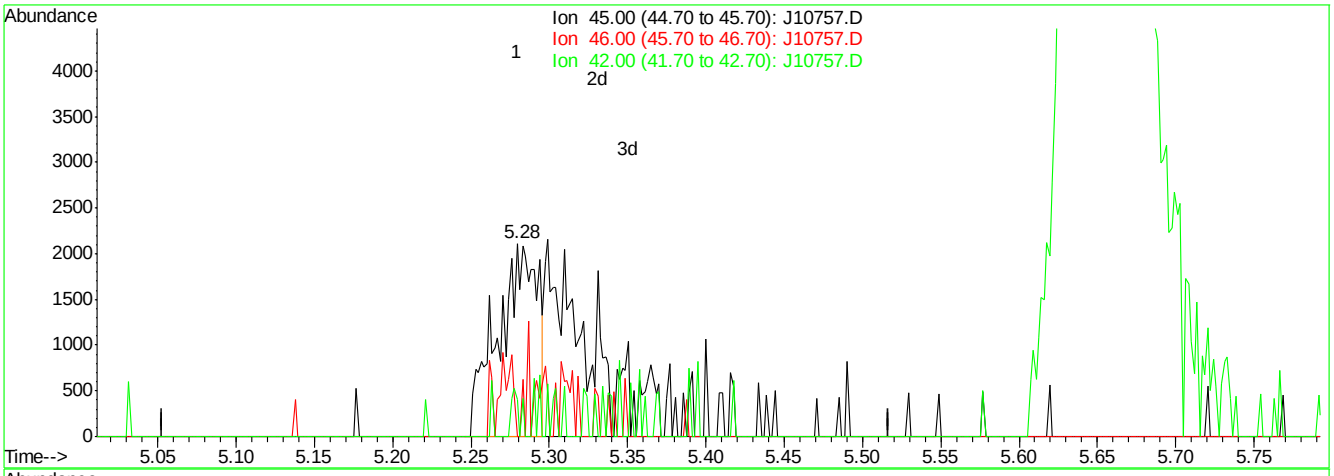
J10757.D J062507T.M Mon Jun 25 10:48:45 2007

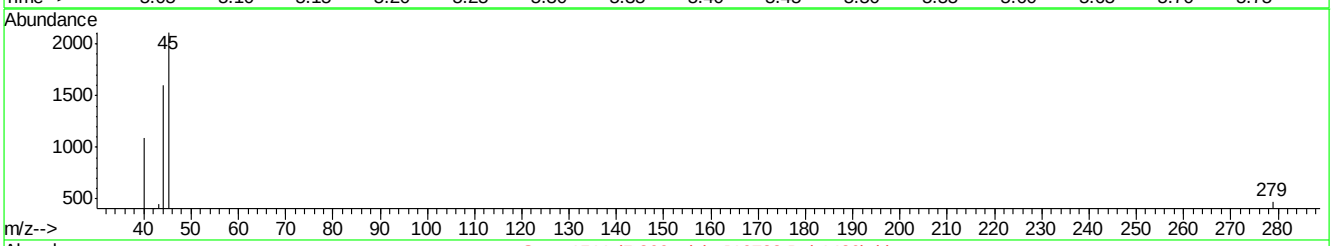
Quantitation Report (Qedit)

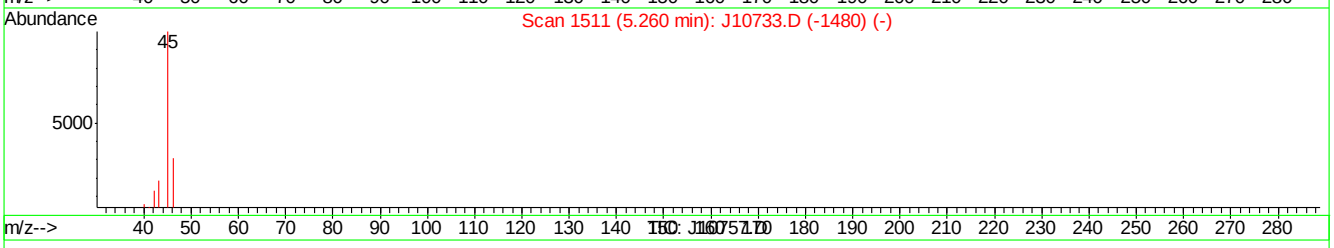
Data File : C:\MSDChem\1\data\J10757.D Vial: 2
Acq On : 25 Jun 2007 10:16 am Operator: danat
Sample : ic557-0.5 (m141) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

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







(16) ETHANOL (m)

5.28min 0.45PPBV

response 3685

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

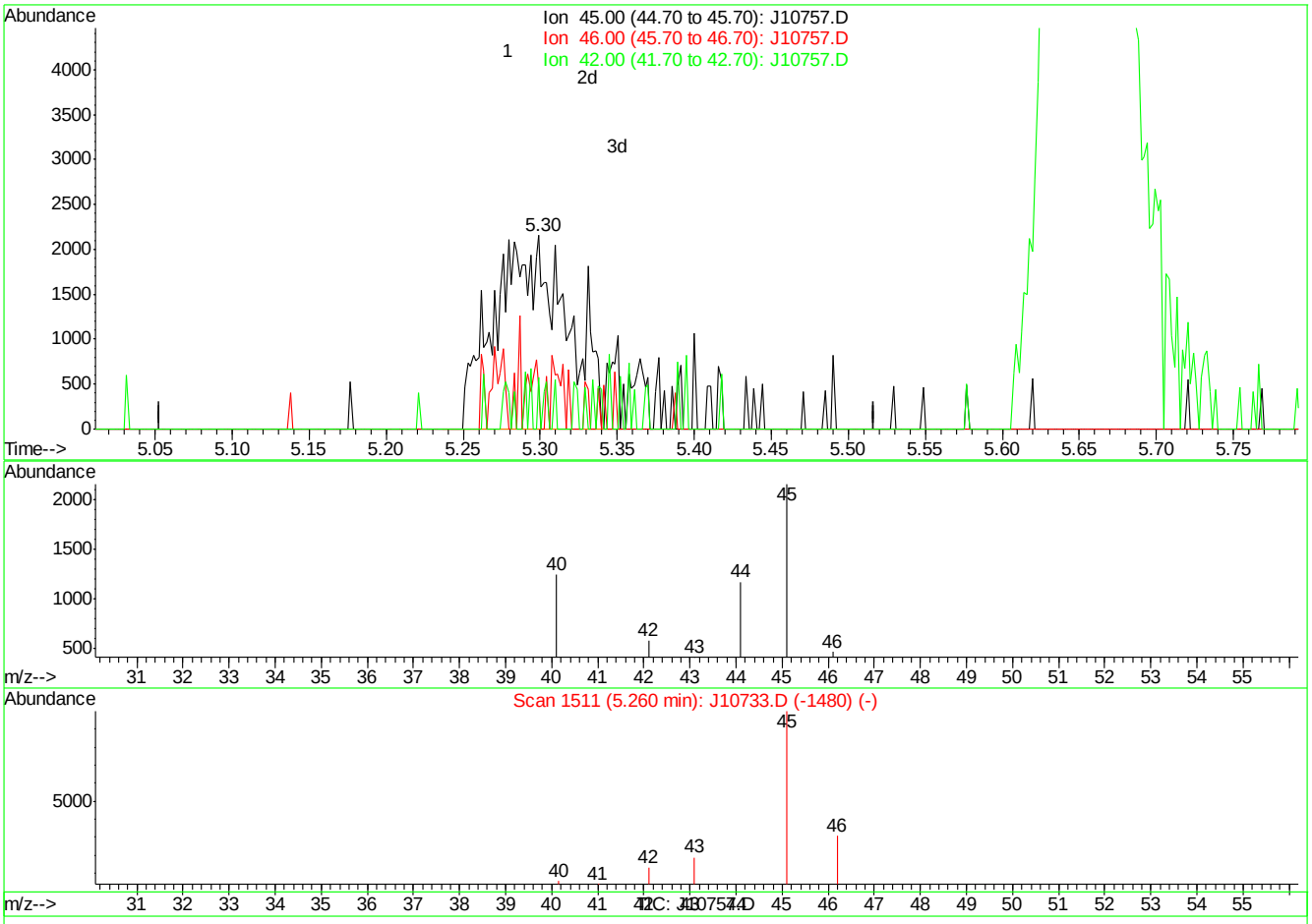
J10757.D J062507T.M Mon Jun 25 10:49:22 2007

Quantitation Report (Qedit)

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

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

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



(16) ETHANOL (m)

5.30min 0.89PPBV m

response 7283

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

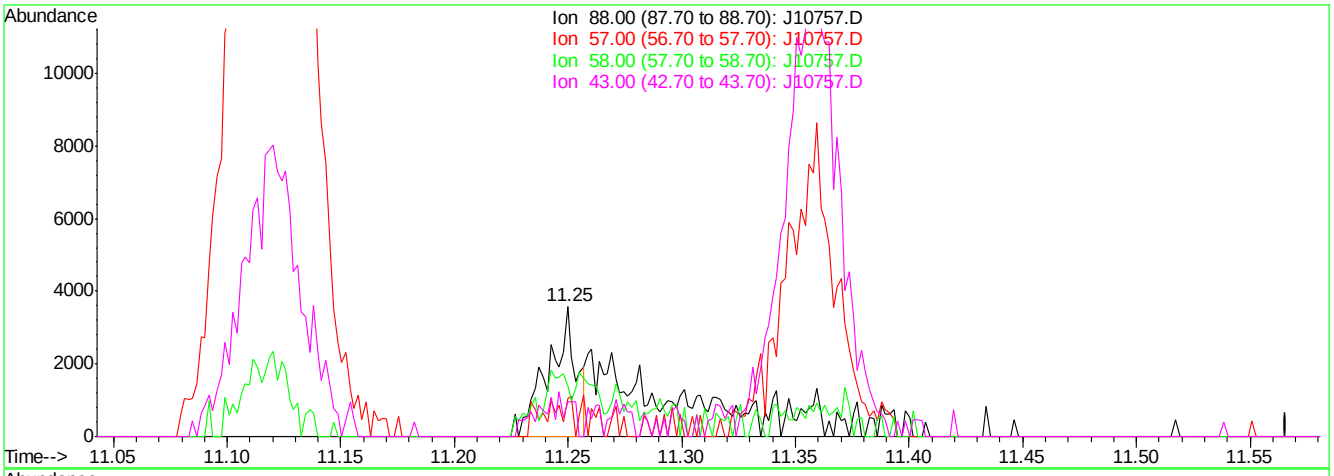
J10757.D J062507T.M Mon Jun 25 10:49:33 2007

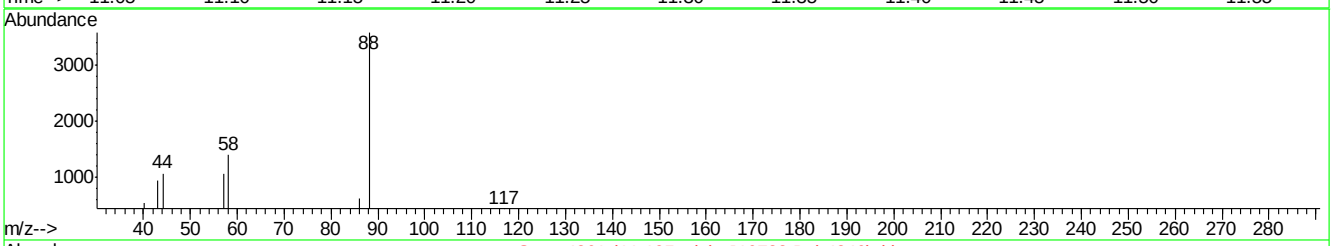
Quantitation Report (Qedit)

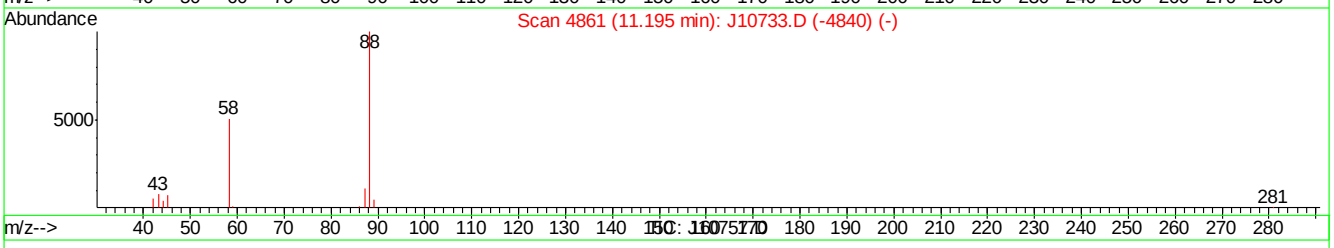
Data File : C:\MSDChem\1\data\J10757.D Vial: 2
Acq On : 25 Jun 2007 10:16 am Operator: danat
Sample : ic557-0.5 (m141) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

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







(42) 1,4-DIOXANE (m)

11.25min 0.14PPBV

response 3047

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

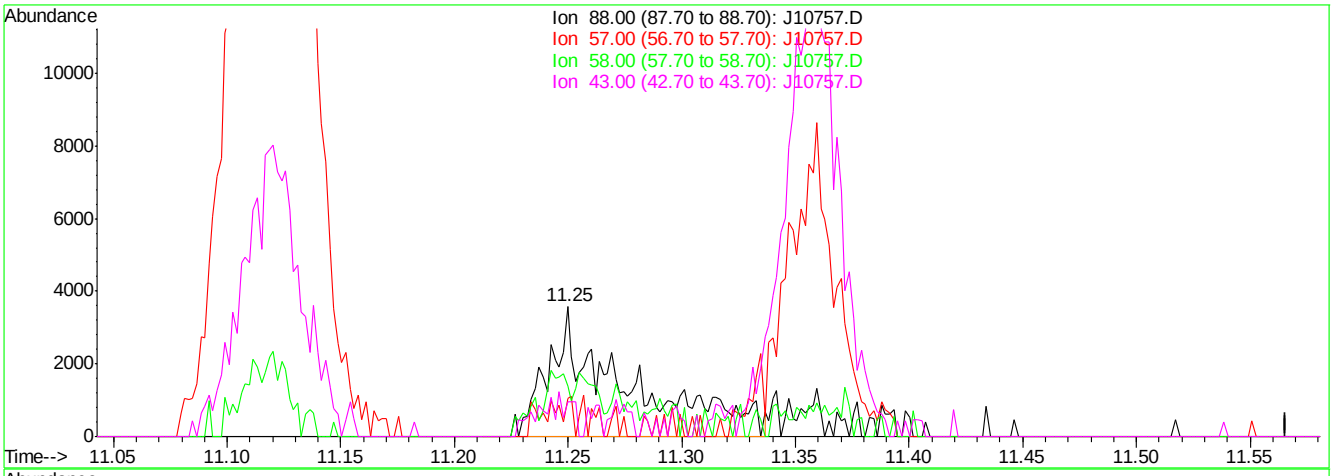
J10757.D J062507T.M Mon Jun 25 10:49:57 2007

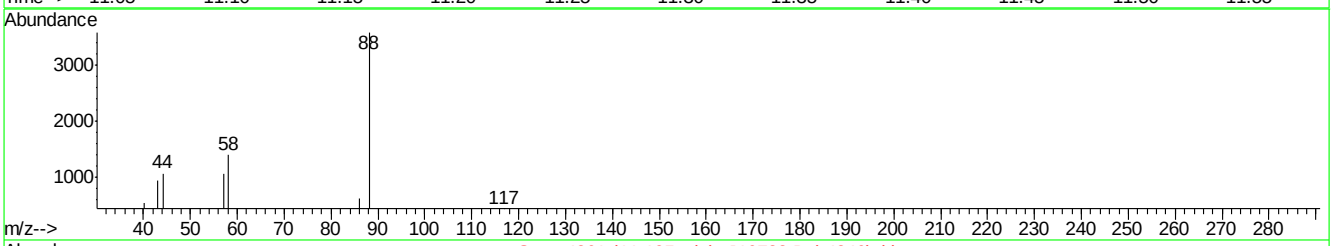
Quantitation Report (Qedit)

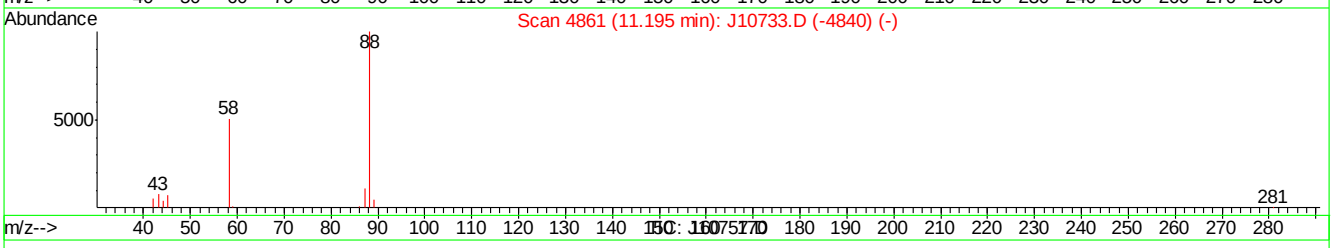
Data File : C:\MSDChem\1\data\J10757.D Vial: 2
Acq On : 25 Jun 2007 10:16 am Operator: danat
Sample : ic557-0.5 (m141) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

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







(42) 1,4-DIOXANE (m)

11.25min 0.38PPBV m

response 8305

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

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

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

Quantitation Report (QT Reviewed)

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

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

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

System Monitoring Compounds

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

Spiked Amount 5.000 Range 51 - 142 Recovery = 81.00%

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

Quantitation Report (QT Reviewed)

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

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

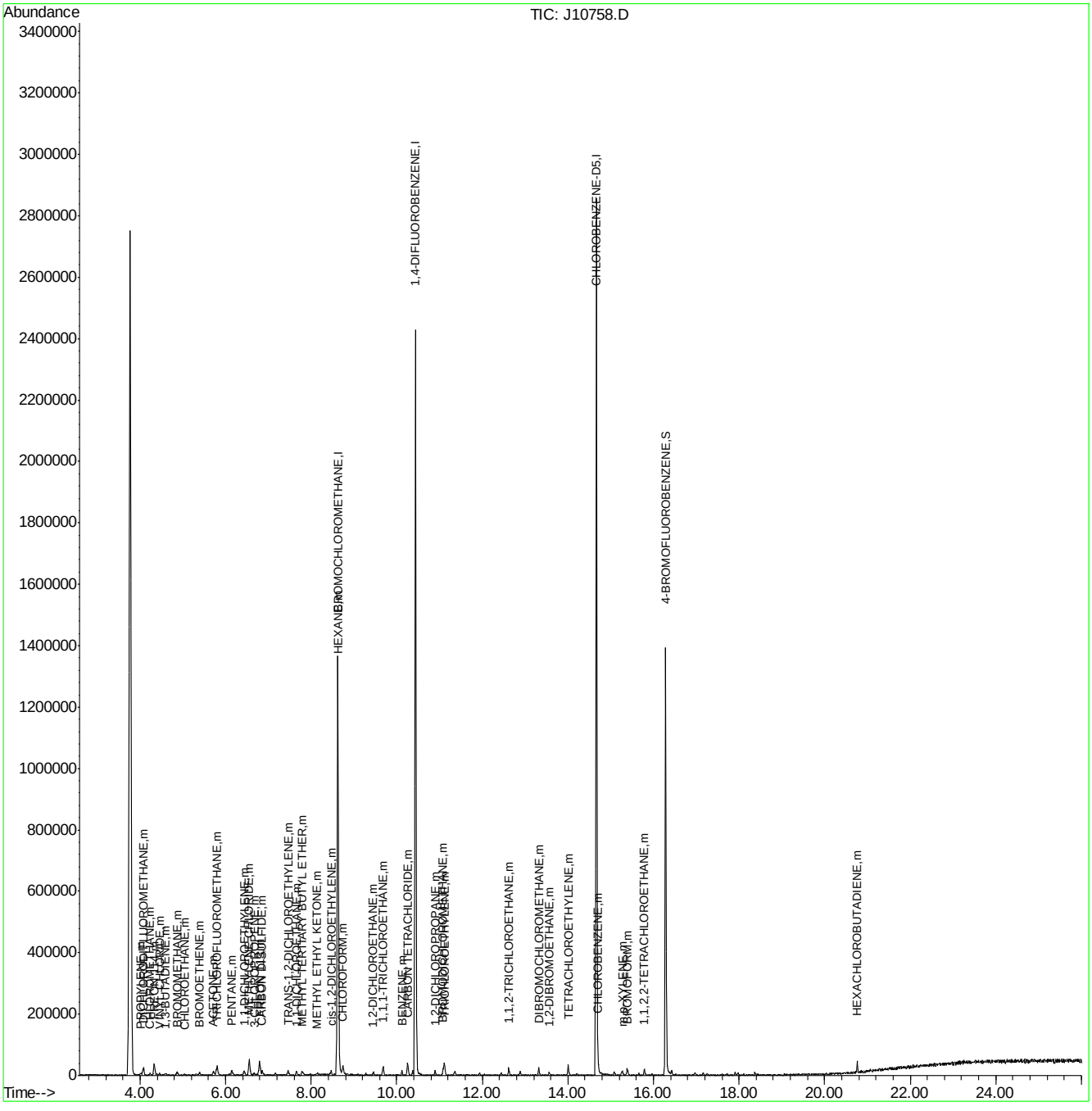
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quantitation Report (QT Reviewed)

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

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



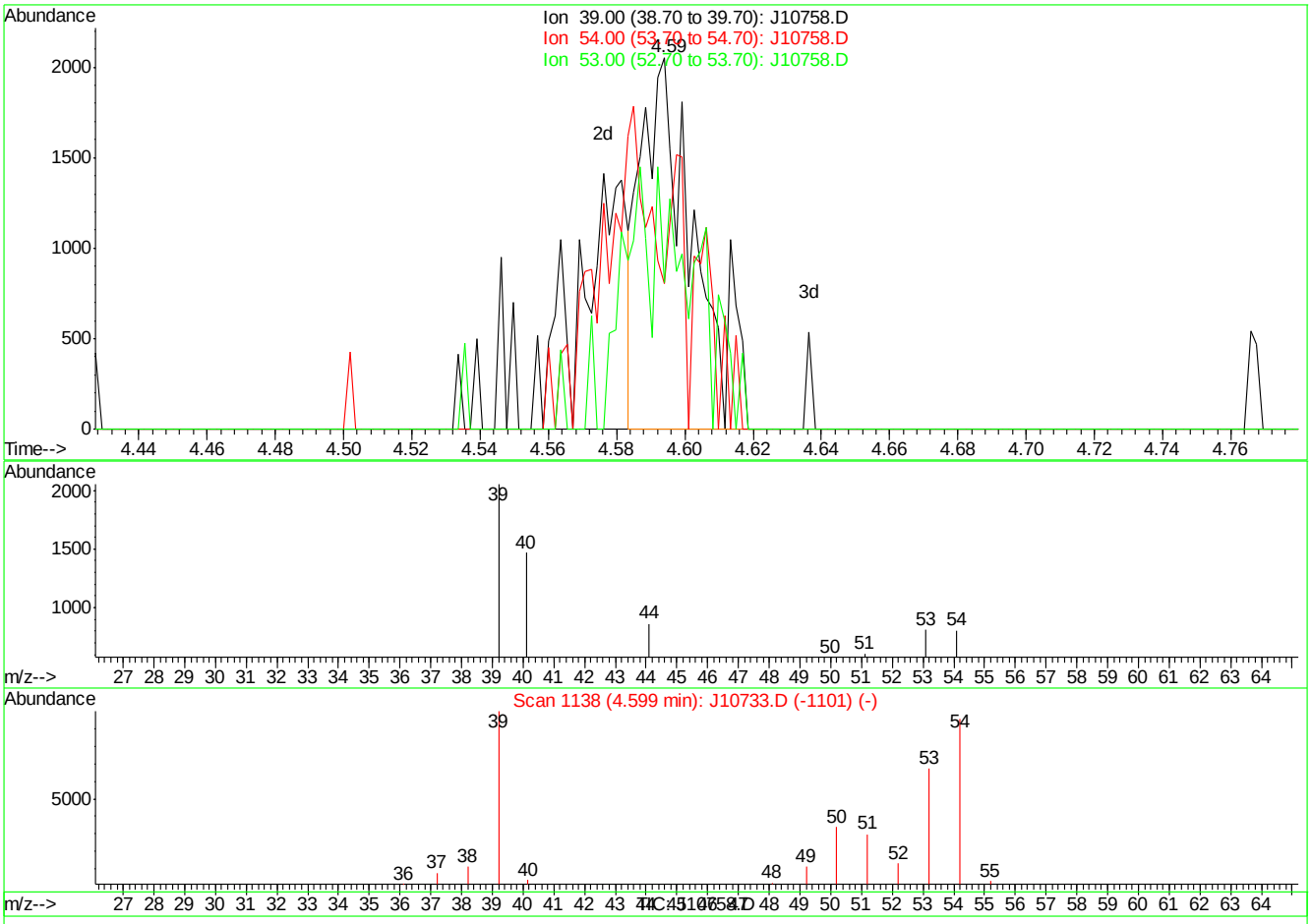
ACCUTEST Laboratories M67493

Quantitation Report (Qedit)

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

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

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



(7) 1,3-BUTADIENE (m)

4.59min 0.10PPBV

response 2273

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

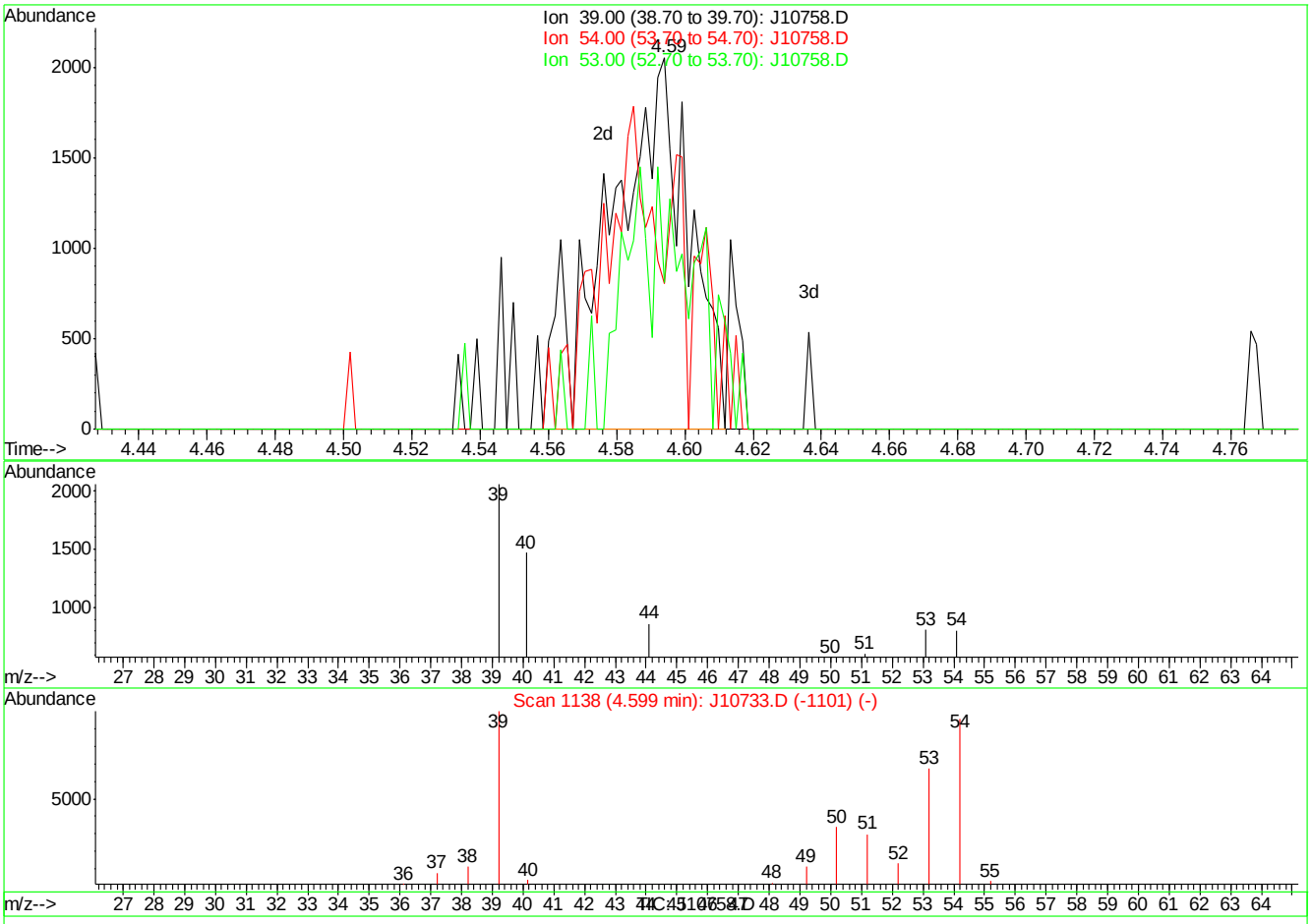
J10758.D J062507T.M Mon Jun 25 11:49:01 2007

Quantitation Report (Qedit)

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

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

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



(7) 1,3-BUTADIENE (m)

4.59min 0.14PPBV m

response 3392

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

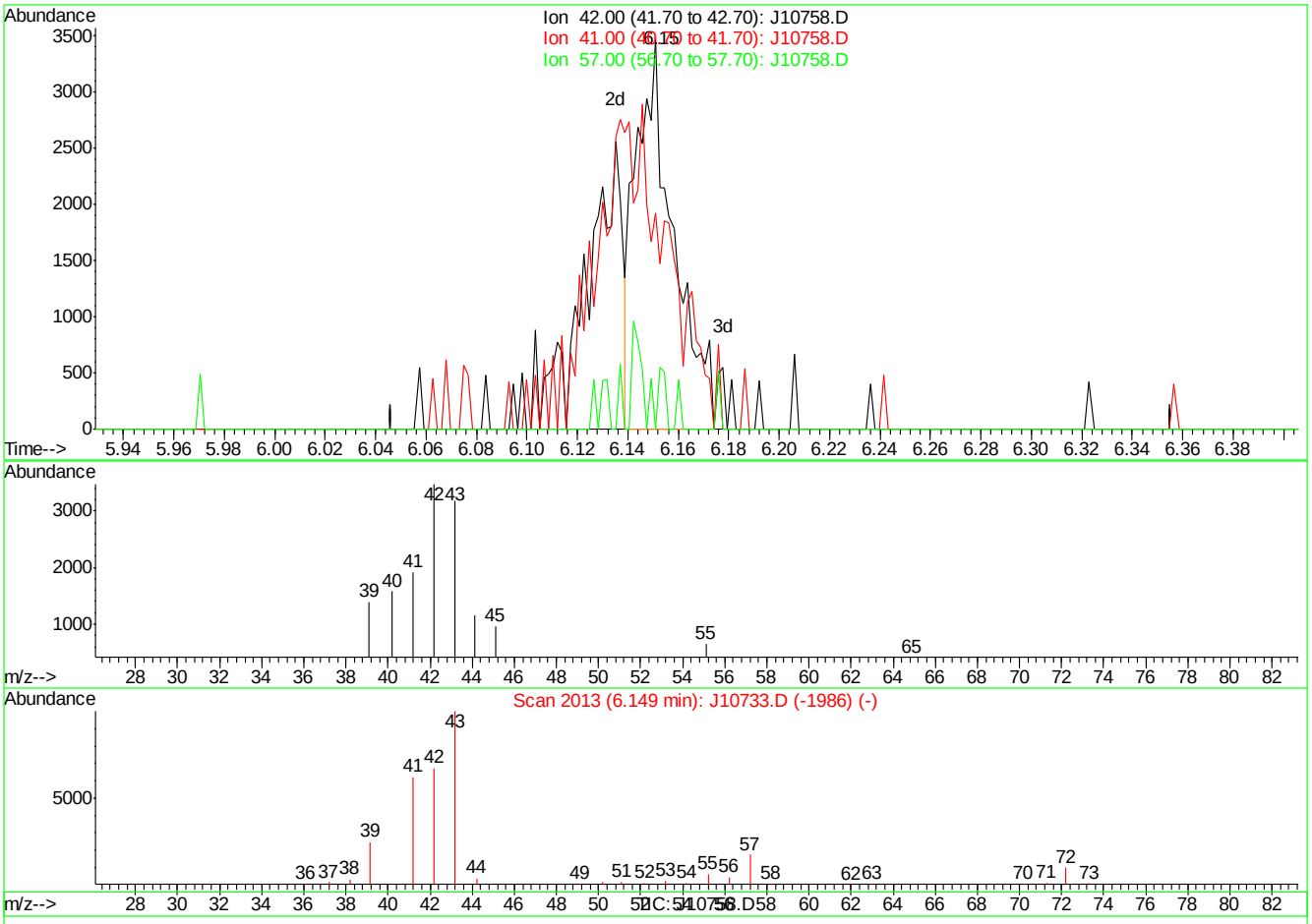
J10758.D J062507T.M Mon Jun 25 11:49:09 2007

Quantitation Report (Qedit)

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

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

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



(13) PENTANE (m)

6.15min 0.12PPBV

response 3605

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

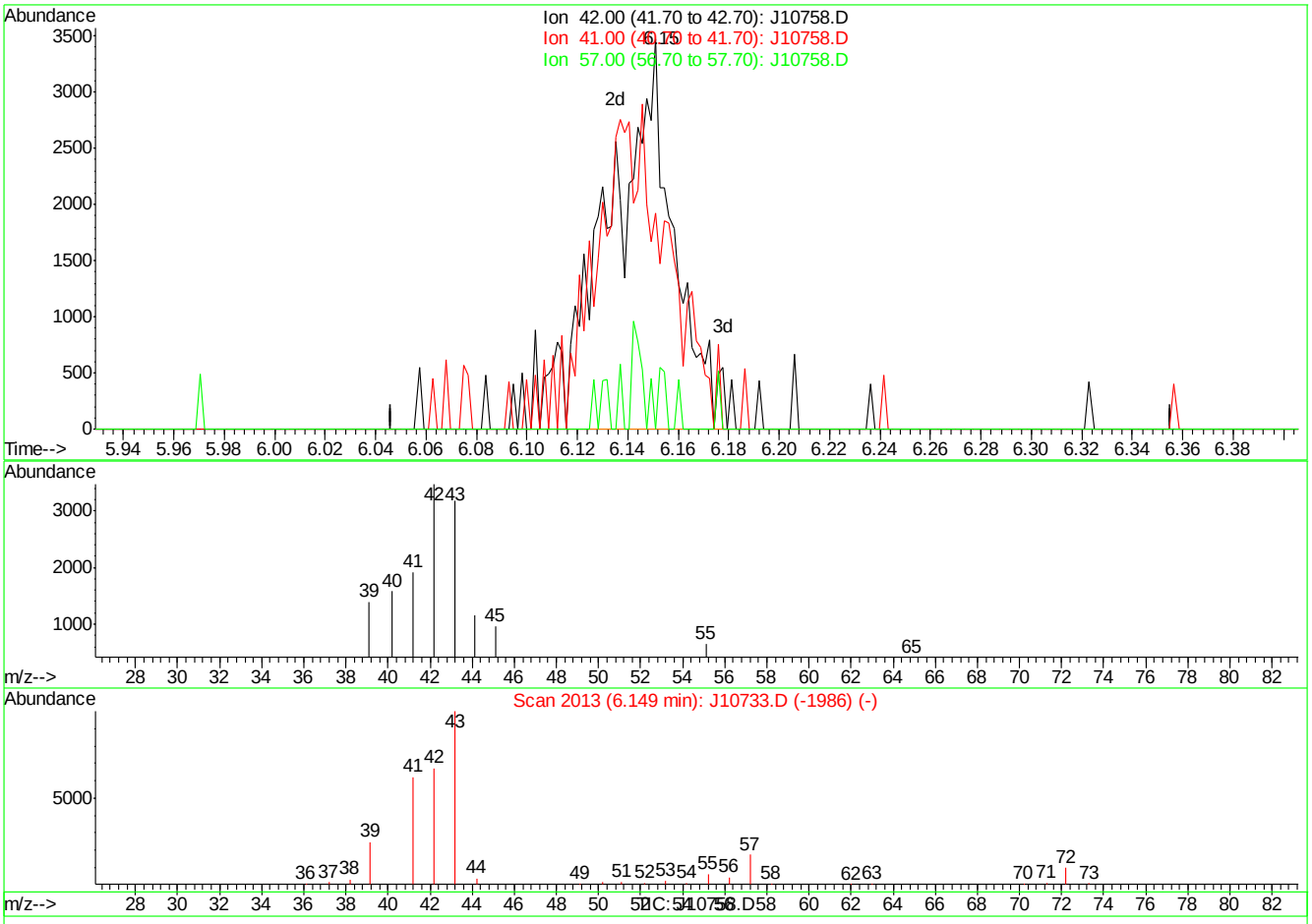
J10758.D J062507T.M Mon Jun 25 11:49:31 2007

Quantitation Report (Qedit)

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

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

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



(13) PENTANE (m)

6.15min 0.22PPBV m

response 6321

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

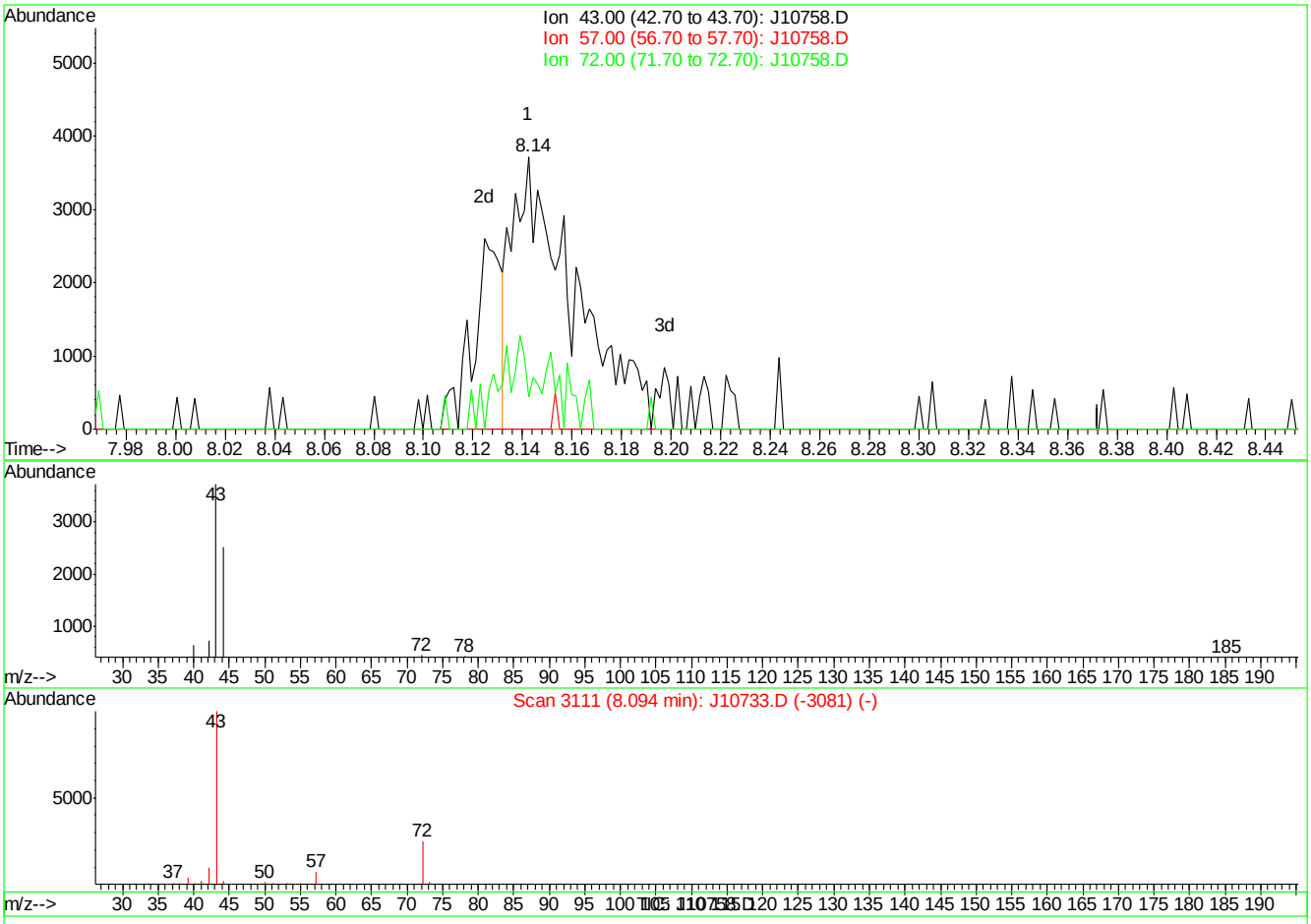
J10758.D J062507T.M Mon Jun 25 11:49:39 2007

Quantitation Report (Qedit)

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

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

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



(28) METHYL ETHYL KETONE (m)

8.14min 0.12PPBV

response 6487

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

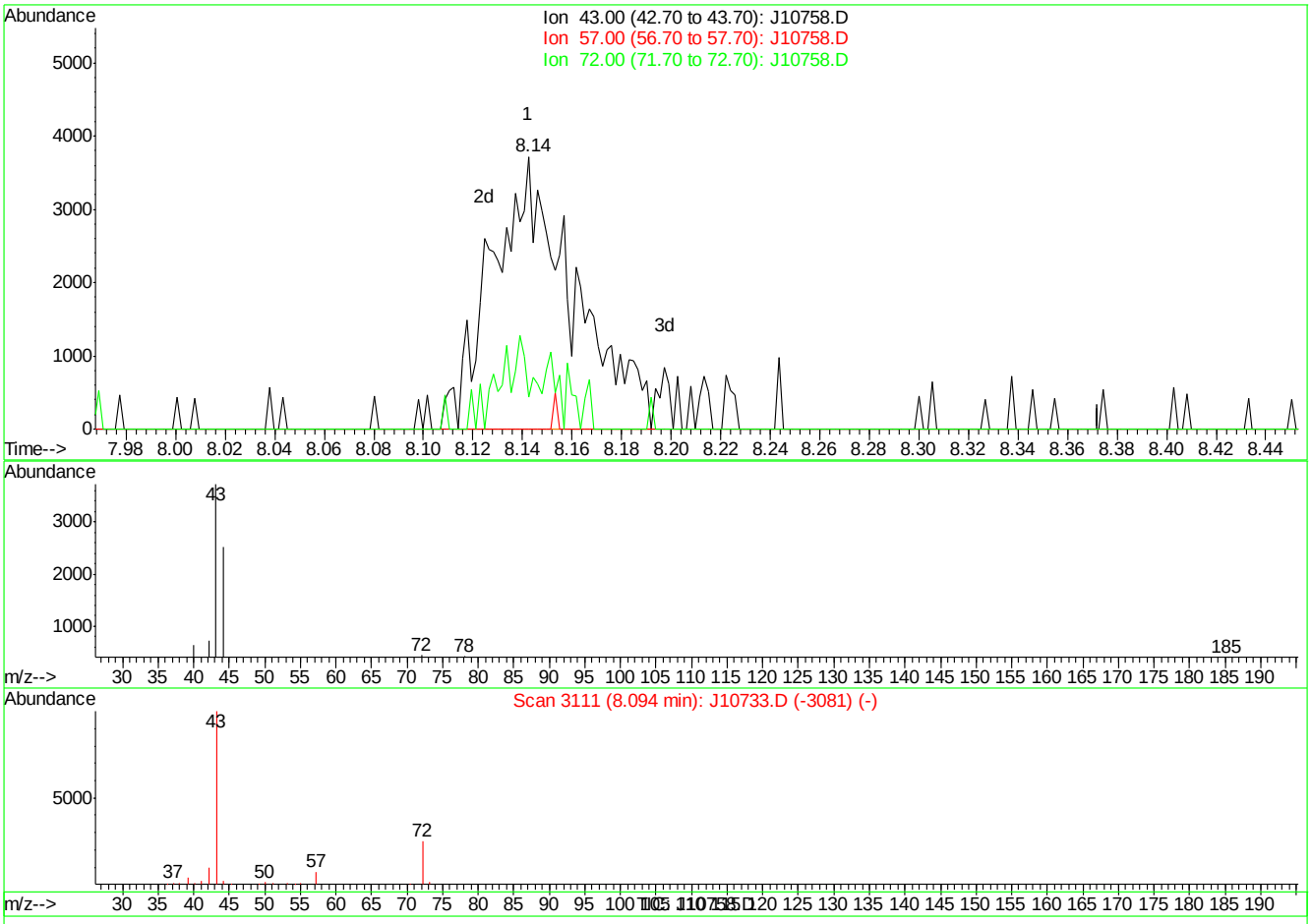
J10758.D J062507T.M Mon Jun 25 11:50:19 2007

Quantitation Report (Qedit)

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

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

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



(28) METHYL ETHYL KETONE (m)

8.14min 0.16PPBV m

response 8365

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

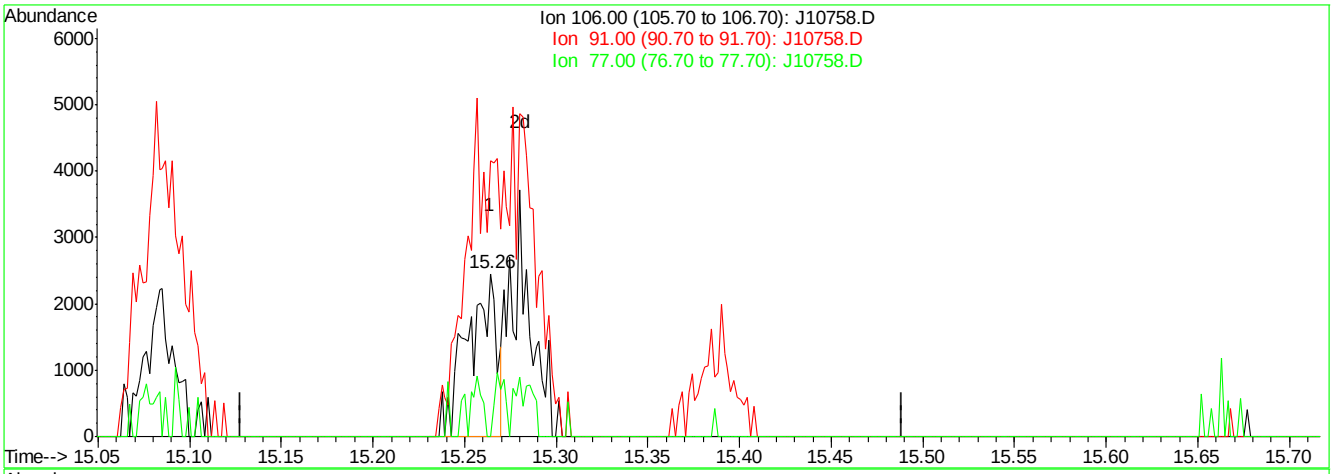
J10758.D J062507T.M Mon Jun 25 11:50:25 2007

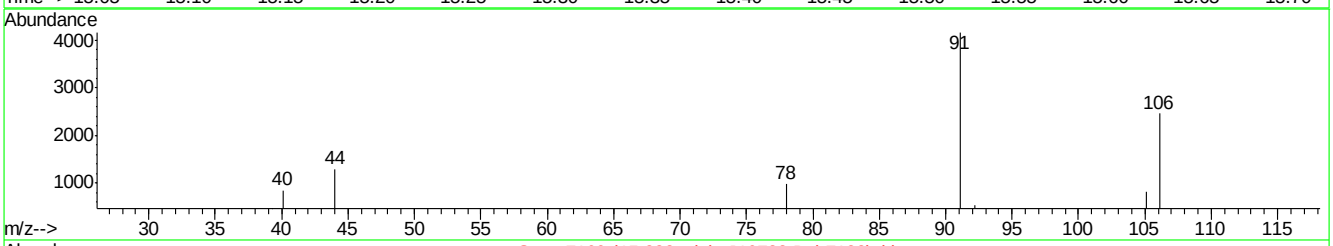
Quantitation Report (Qedit)

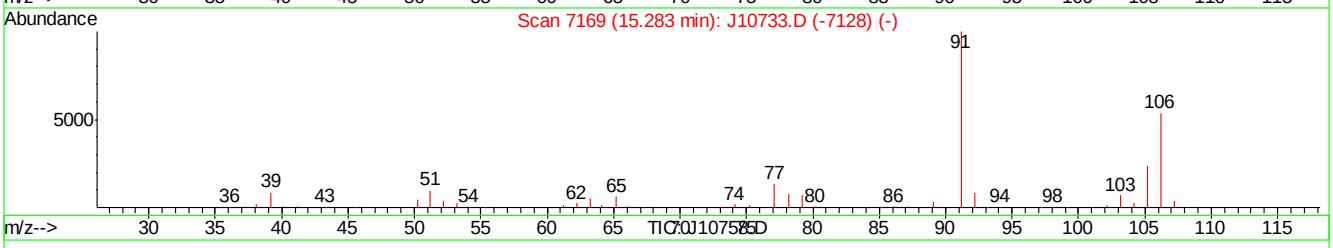
Data File : C:\MSDChem\1\data\J10758.D Vial: 2
Acq On : 25 Jun 2007 11:05 am Operator: danat
Sample : ic557-0.2 (m141) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

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







(56) m,p-XYLENE (m)

15.26min 0.06PPBV

response 2674

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

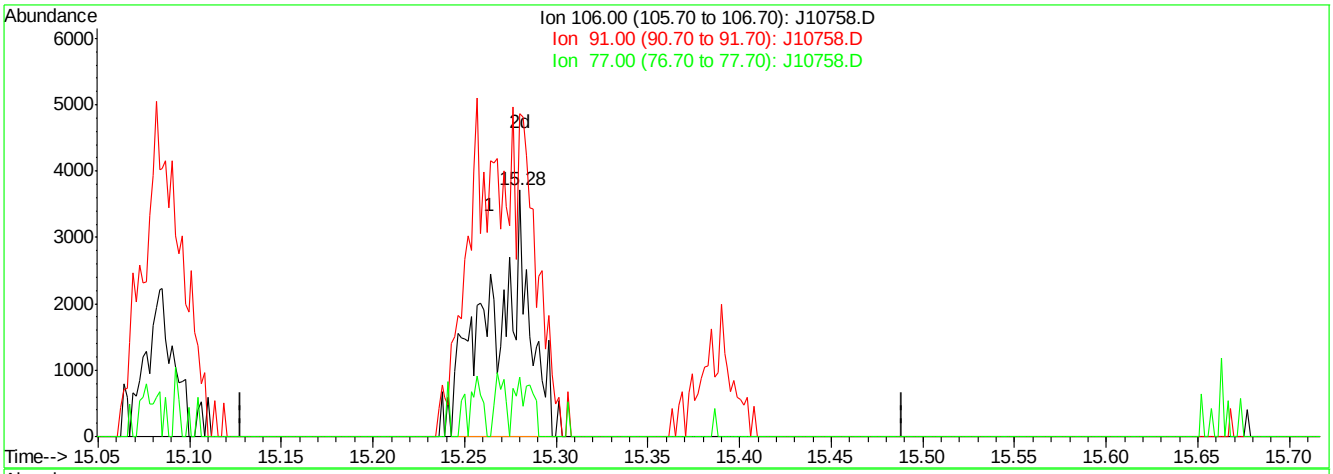
J10758.D J062507T.M Mon Jun 25 11:52:03 2007

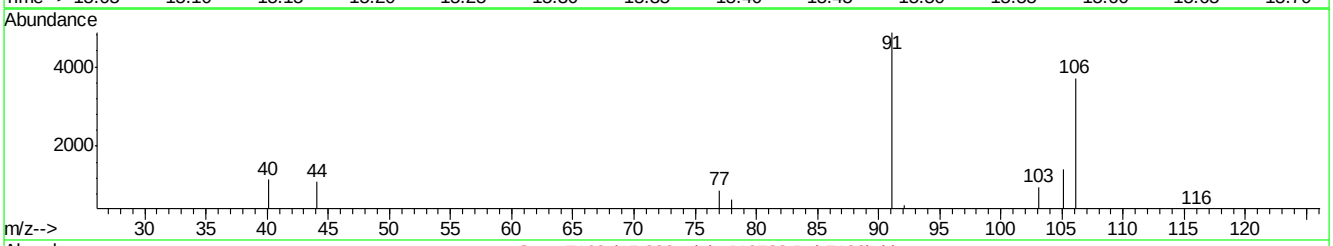
Quantitation Report (Qedit)

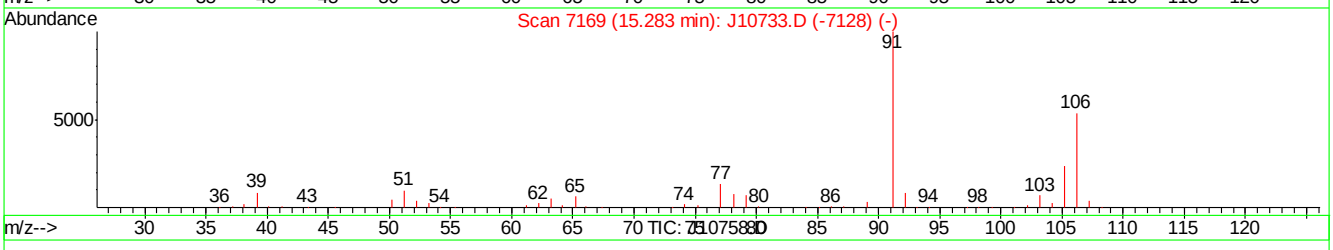
Data File : C:\MSDChem\1\data\J10758.D Vial: 2
Acq On : 25 Jun 2007 11:05 am Operator: danat
Sample : ic557-0.2 (m141) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

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







(56) m,p-XYLENE (m)

15.28min 0.11PPBV m

response 5280

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

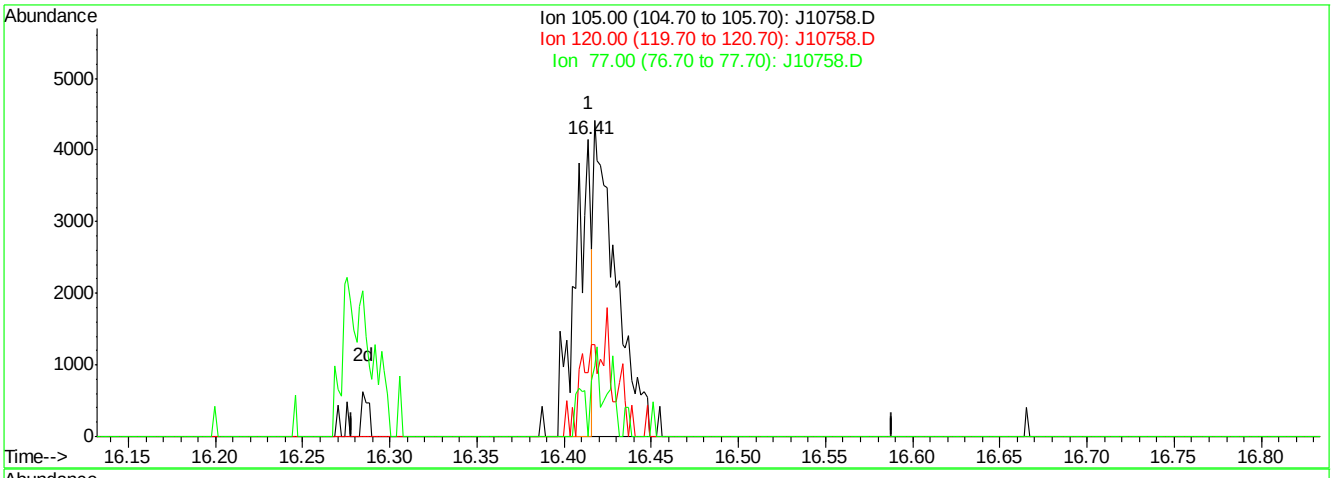
J10758.D J062507T.M Mon Jun 25 11:52:13 2007

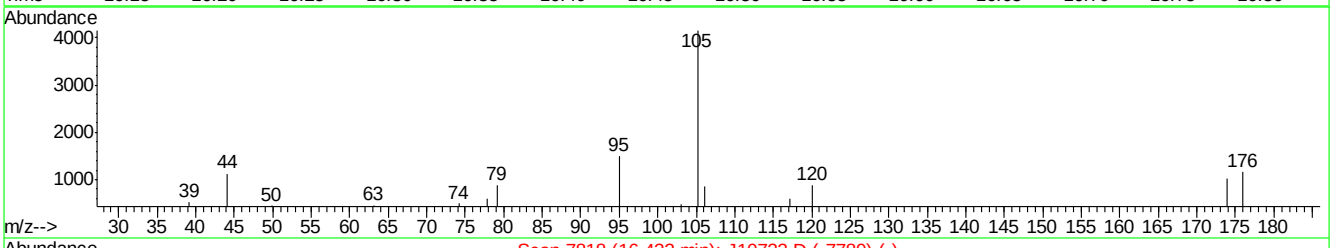
Quantitation Report (Qedit)

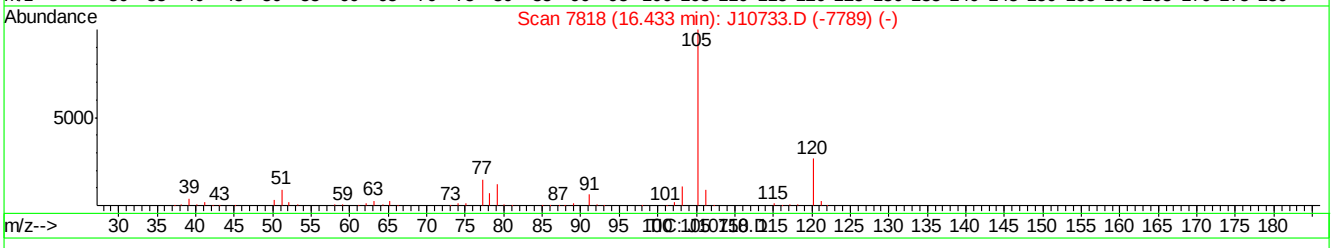
Data File : C:\MSDChem\1\data\J10758.D Vial: 2
Acq On : 25 Jun 2007 11:05 am Operator: danat
Sample : ic557-0.2 (m141) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

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







(63) ISOPROPYLBENZENE (m)

16.41min 0.02PPBV

response 2618

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

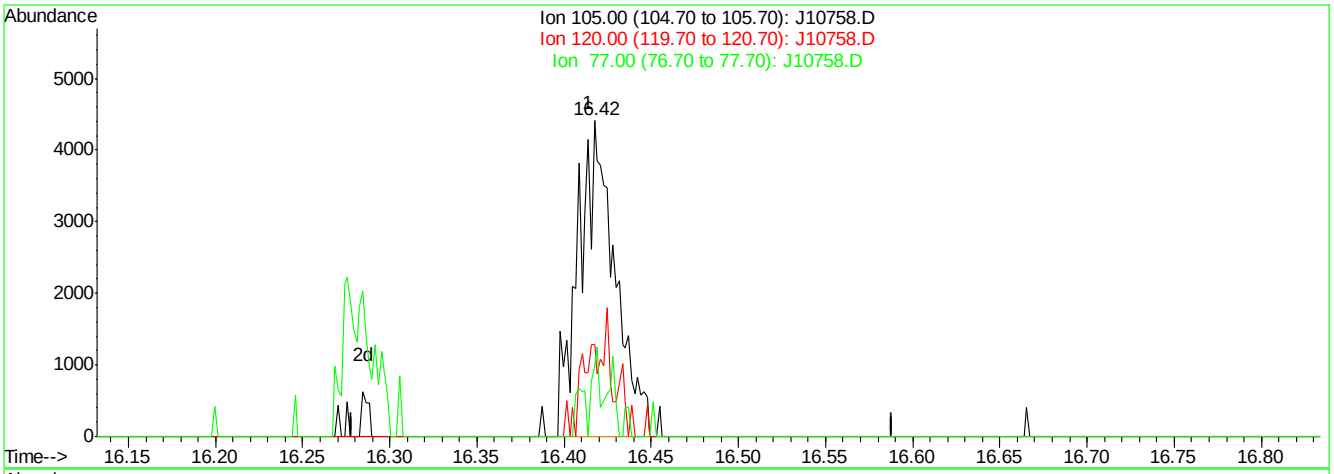
J10758.D J062507T.M Mon Jun 25 11:52:30 2007

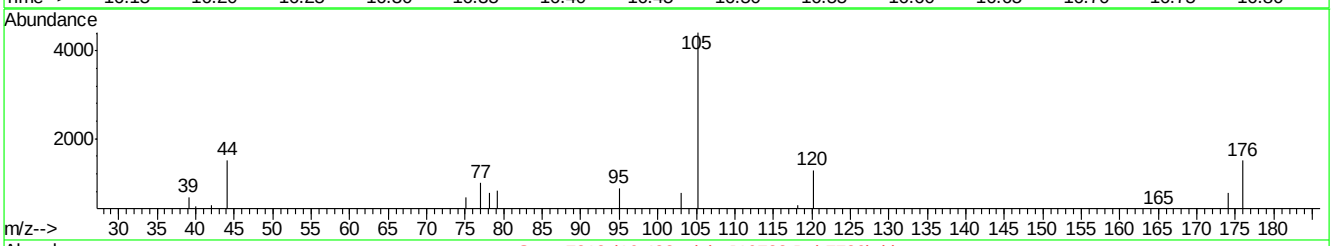
Quantitation Report (Qedit)

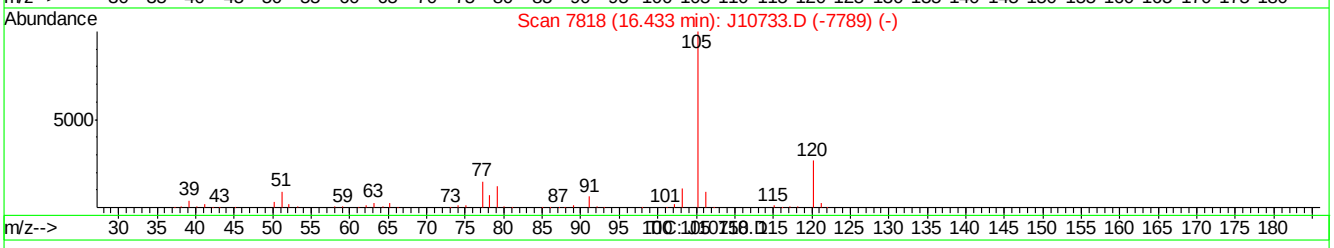
Data File : C:\MSDChem\1\data\J10758.D Vial: 2
Acq On : 25 Jun 2007 11:05 am Operator: danat
Sample : ic557-0.2 (m141) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

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







(63) ISOPROPYLBENZENE (m)

16.42min 0.04PPBV m

response 6411

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

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

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

Quantitation Report (QT Reviewed)

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

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

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

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.32	95	679558	5.88	PPBV	0.02

Spiked Amount 5.000 Range 51 - 142 Recovery = 117.60%

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

Quantitation Report (QT Reviewed)

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

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

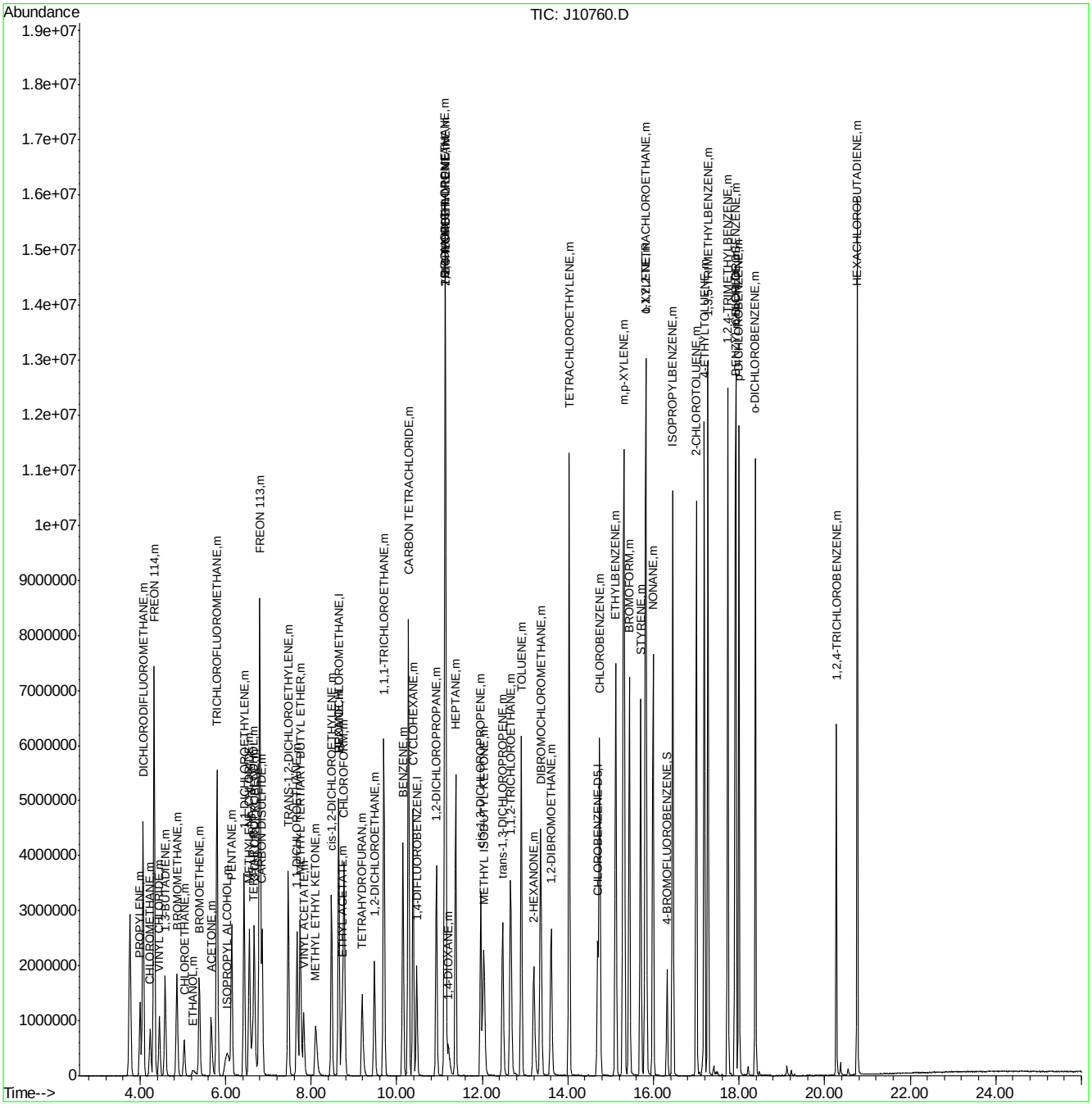
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) METHYL ISOBUTYL KETONE	12.03	43	2669104	45.25	PPBV		98
45) cis-1,3-DICHLOROPROPENE	11.96	75	2235612	44.72	PPBV		97
46) TOLUENE	12.91	92	3175409	48.29	PPBV		99
47) trans-1,3-DICHLOROPROPENE	12.47	75	2268217	47.63	PPBV	#	76
48) 1,1,2-TRICHLOROETHANE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

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

Quantitation Report (QT Reviewed)

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

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



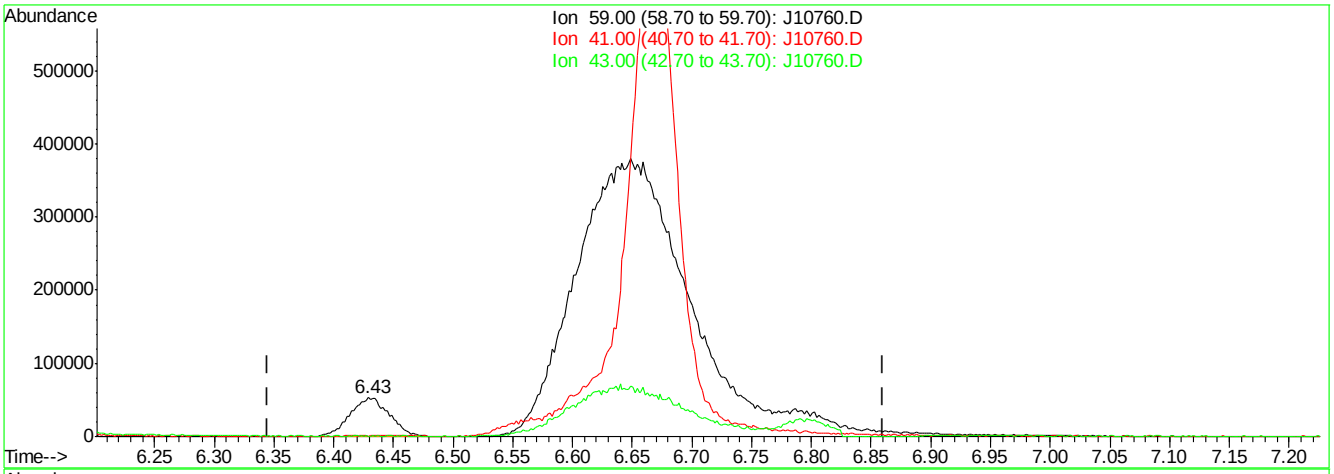
ACCUTEST Laboratories M67493

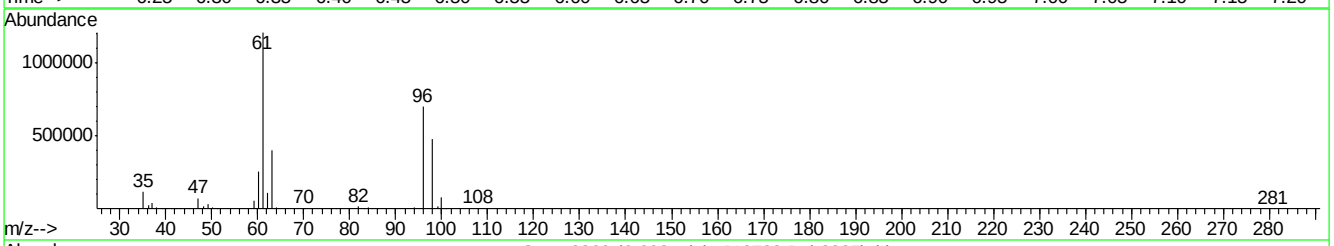
Quantitation Report (Qedit)

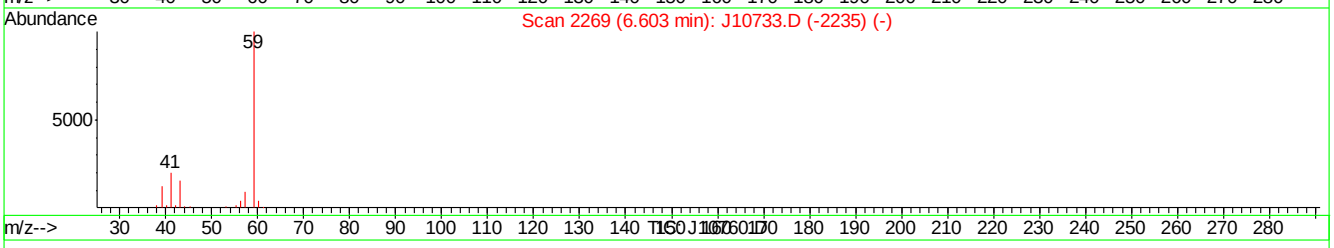
Data File : C:\MSDChem\1\data\J10760.D Vial: 3
Acq On : 25 Jun 2007 12:42 pm Operator: danat
Sample : ic557-40 (m172) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

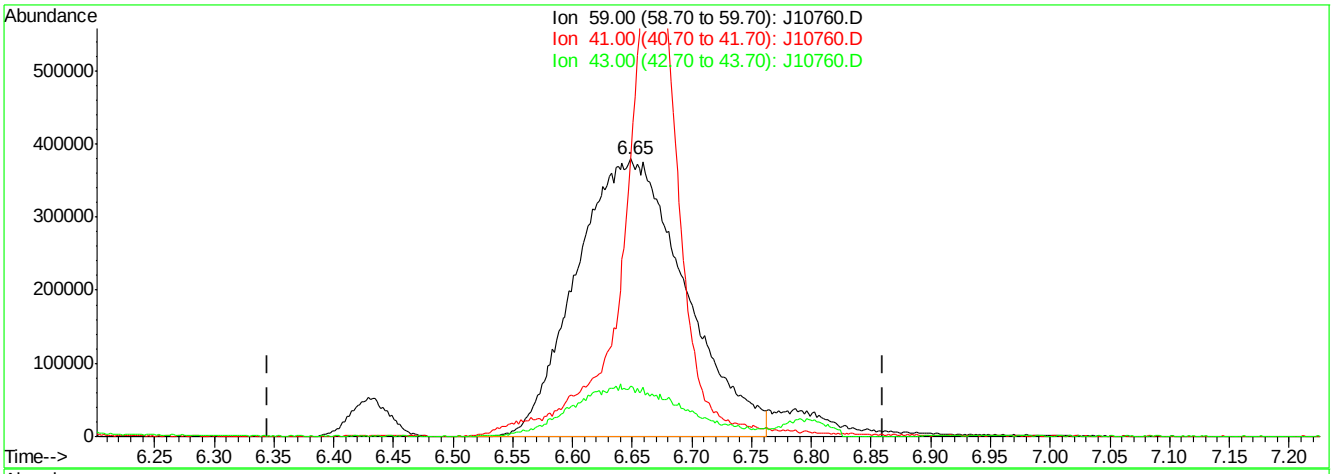
J10760.D J062507T.M Mon Jun 25 13:10:10 2007

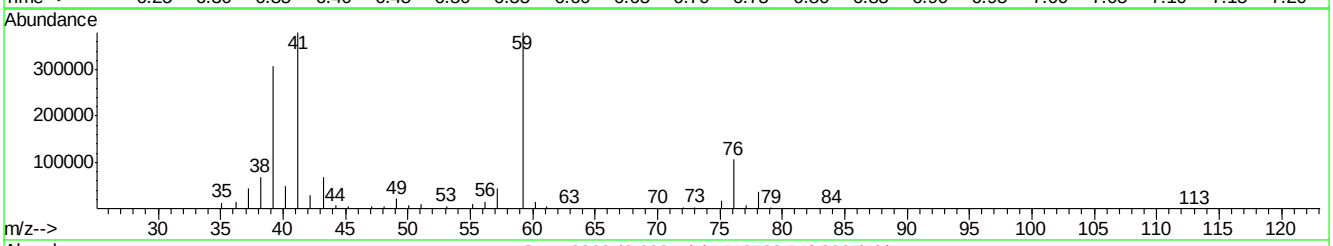
Quantitation Report (Qedit)

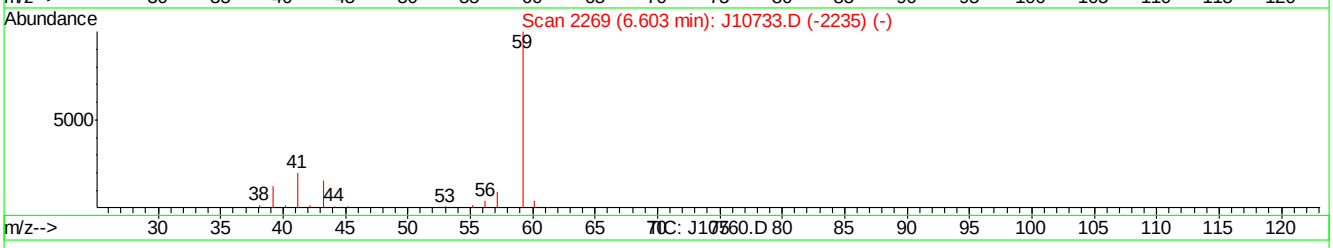
Data File : C:\MSDChem\1\data\J10760.D Vial: 3
Acq On : 25 Jun 2007 12:42 pm Operator: danat
Sample : ic557-40 (m172) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

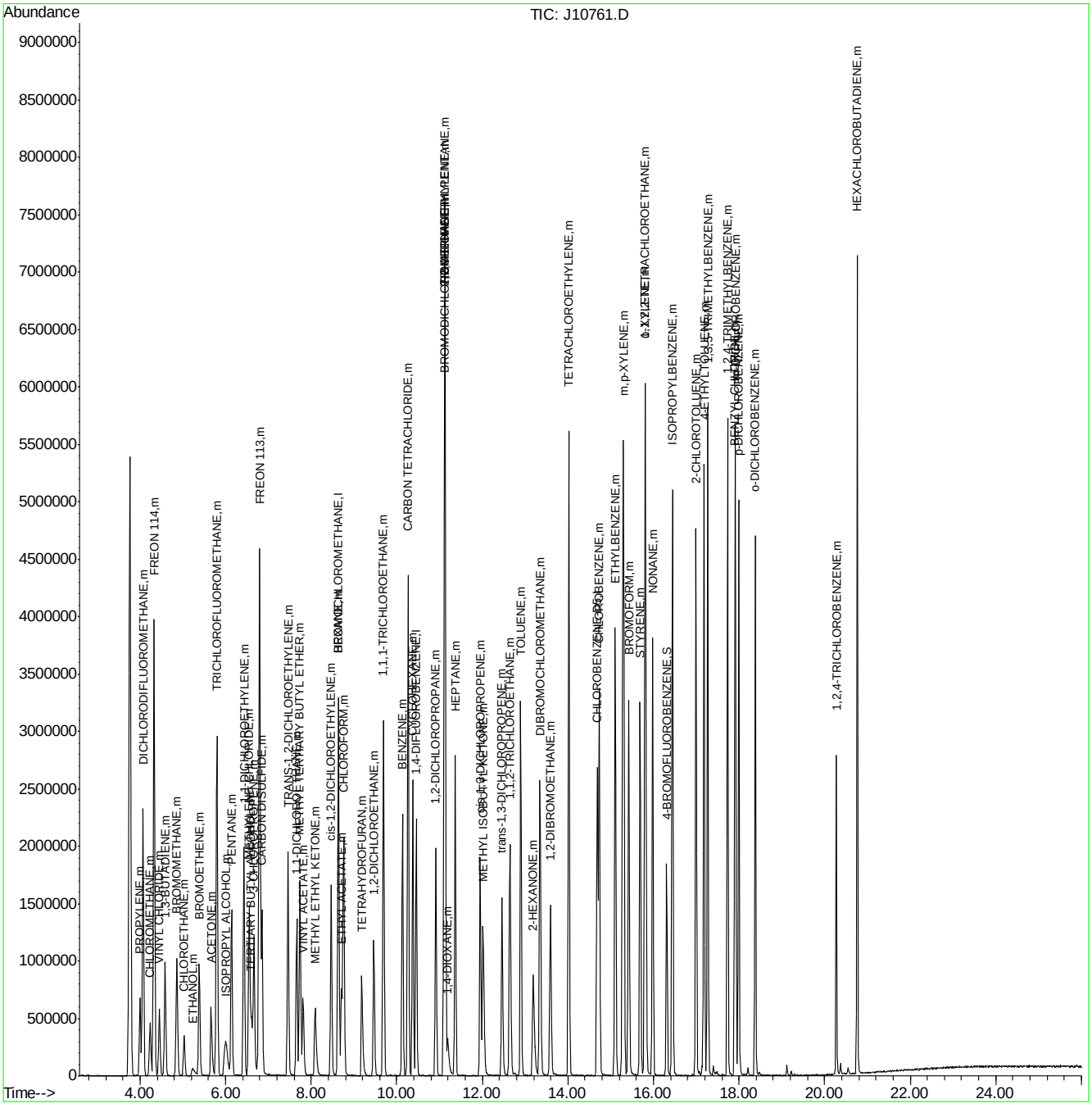
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.01	43	1328709	20.79	PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.95	75	1134927	20.95	PPBV	99
46) TOLUENE	12.90	92	1555485	21.83	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.46	75	1116511	21.64	PPBV	100
48) 1,1,2-TRICHLOROETHANE	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
M67493

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

Quantitation Report (QT Reviewed)

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

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.63	128	435479	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.45	114	1969866	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.67	117	1764652m	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.30	95	583931	5.34	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 106.80%

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

Quantitation Report (QT Reviewed)

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

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

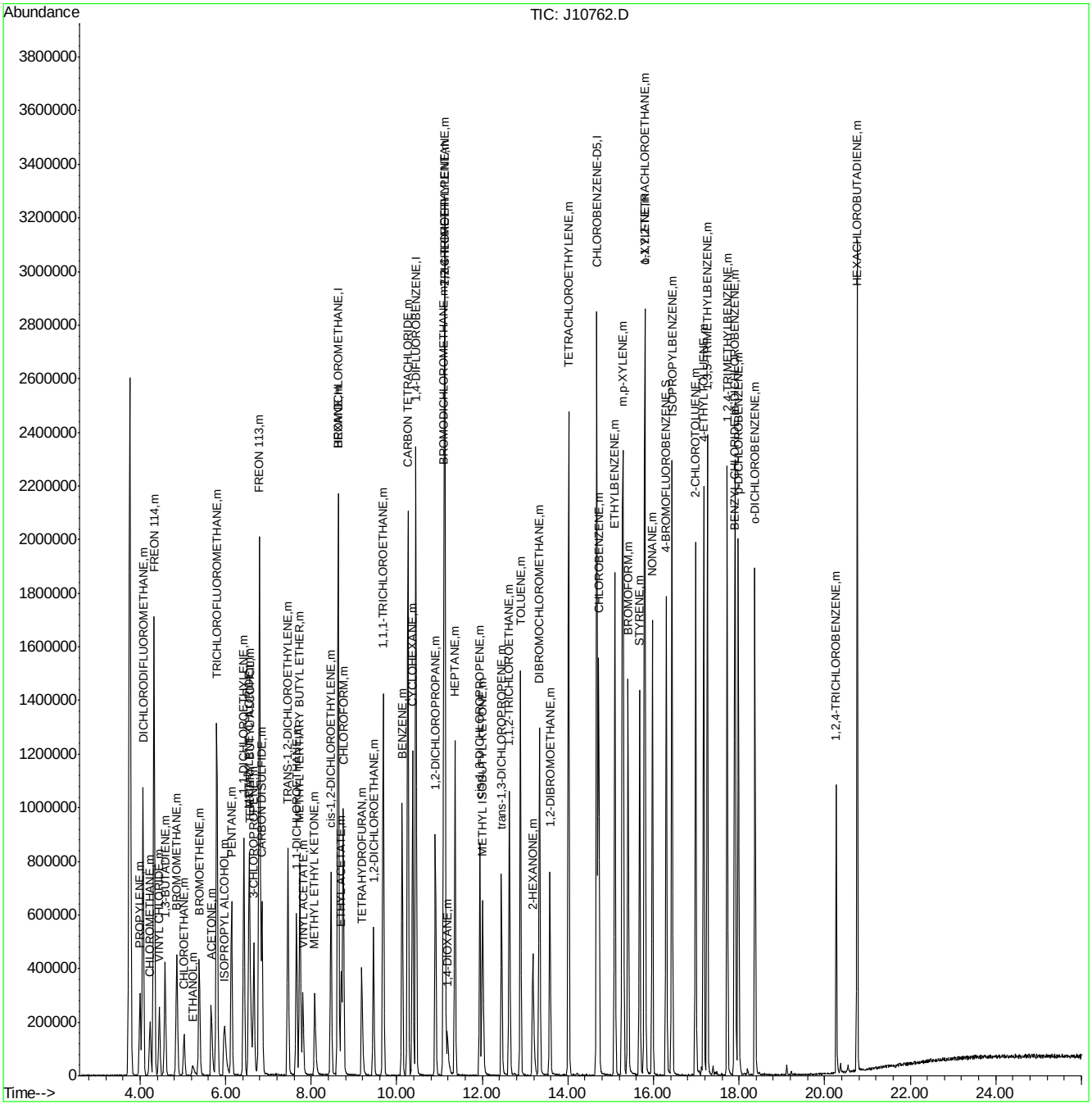
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.00	43	539564	8.93	PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.94	75	453130	10.63	PPBV	99
46) TOLUENE	12.89	92	629342	10.15	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.45	75	434192	10.90	PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.63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

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

Quantitation Report (QT Reviewed)

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

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

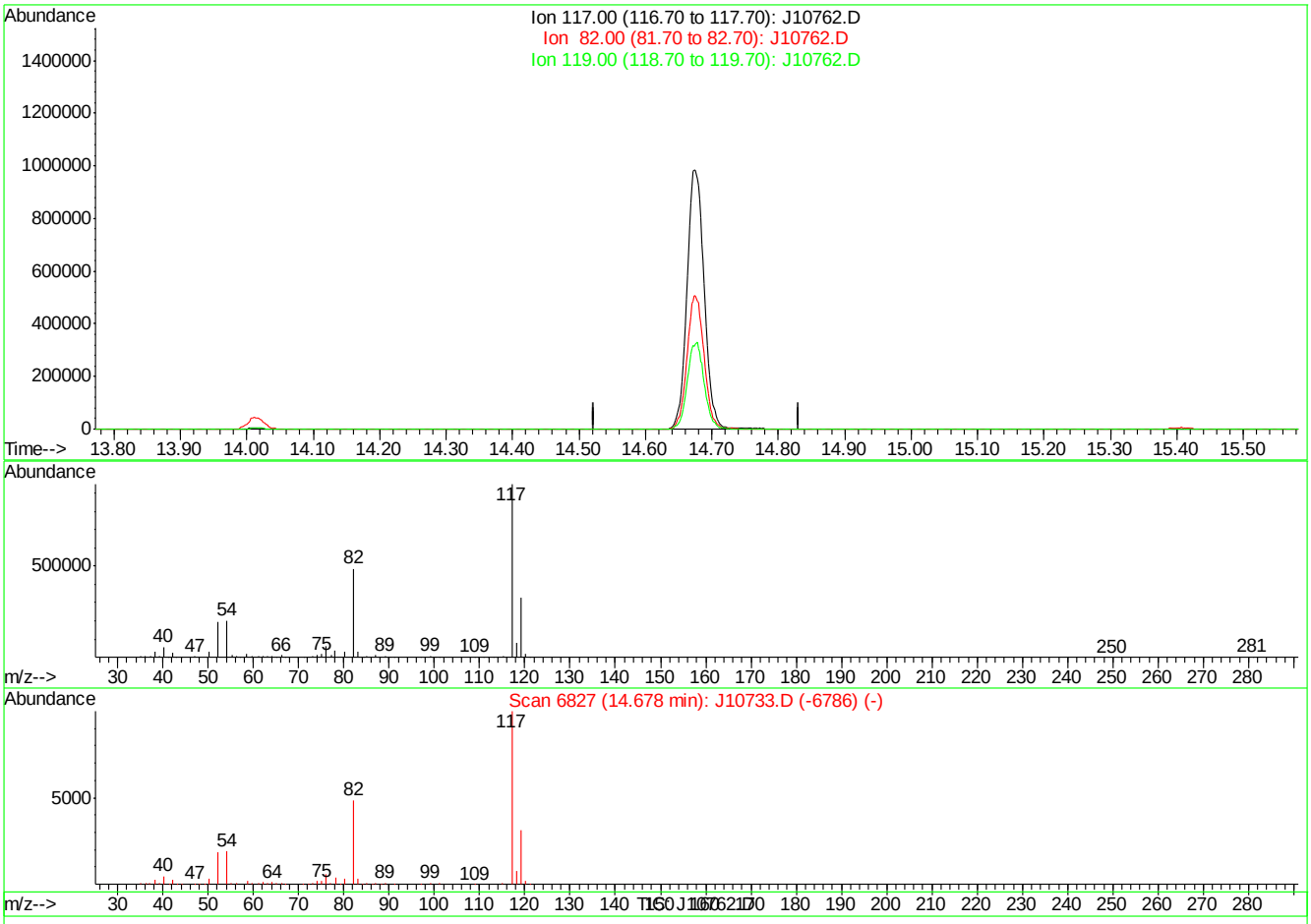


Quantitation Report (Qedit)

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

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

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



(49) CHLOROBENZENE-D5 (I)

14.68min 0.00PPBV

response 0

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

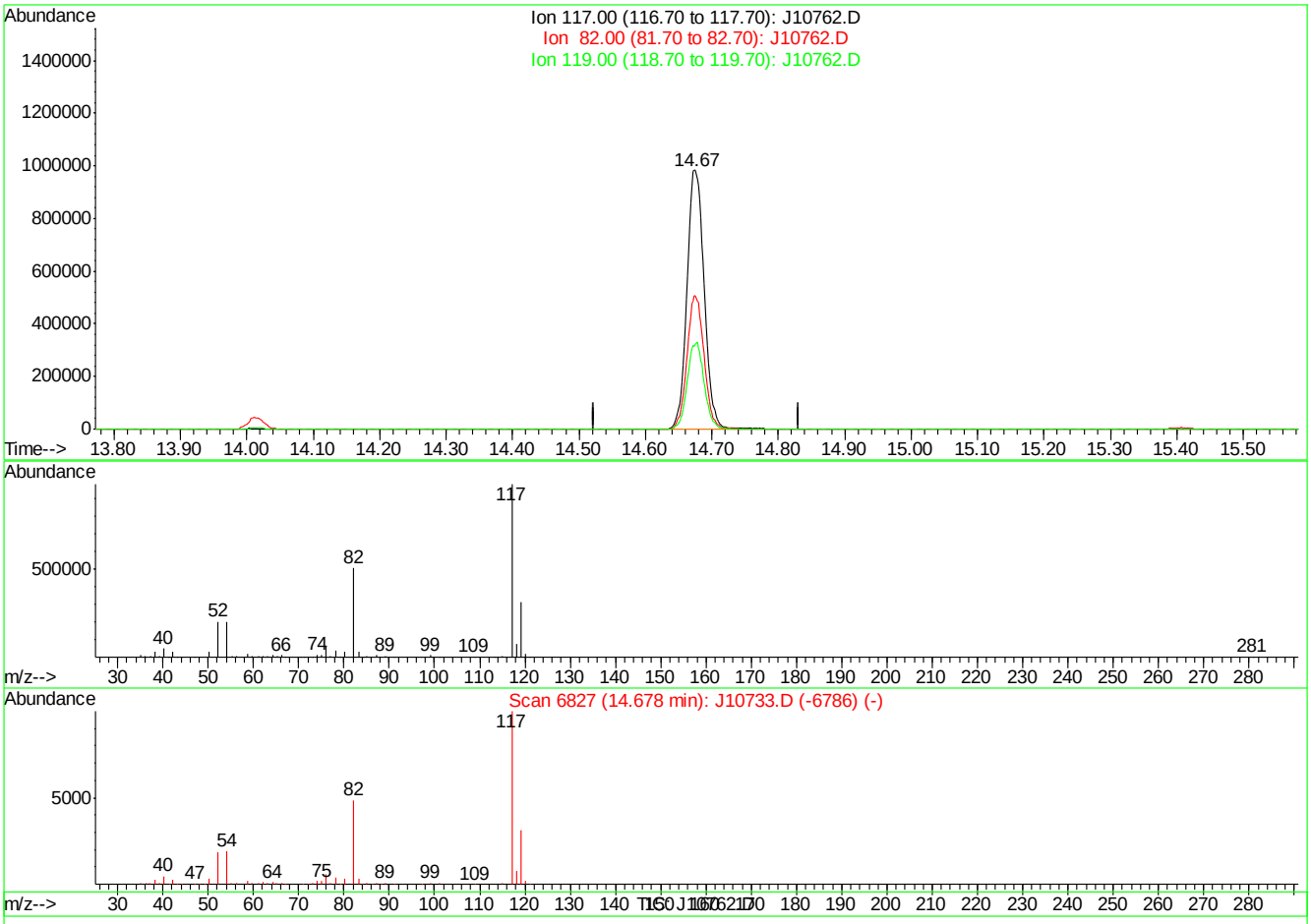
J10762.D J062507T.M Mon Jun 25 15:23:01 2007

Quantitation Report (Qedit)

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

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

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



(49) CHLOROBENZENE-D5 (I)

14.67min 10.00PPBV m

response 1764652

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

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

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

Quantitation Report (QT Reviewed)

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

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.63	128	438436	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.44	114	2029733	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.67	117	1791020m	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.29	95	561280	4.99	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 99.80%

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

Quantitation Report (QT Reviewed)

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

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

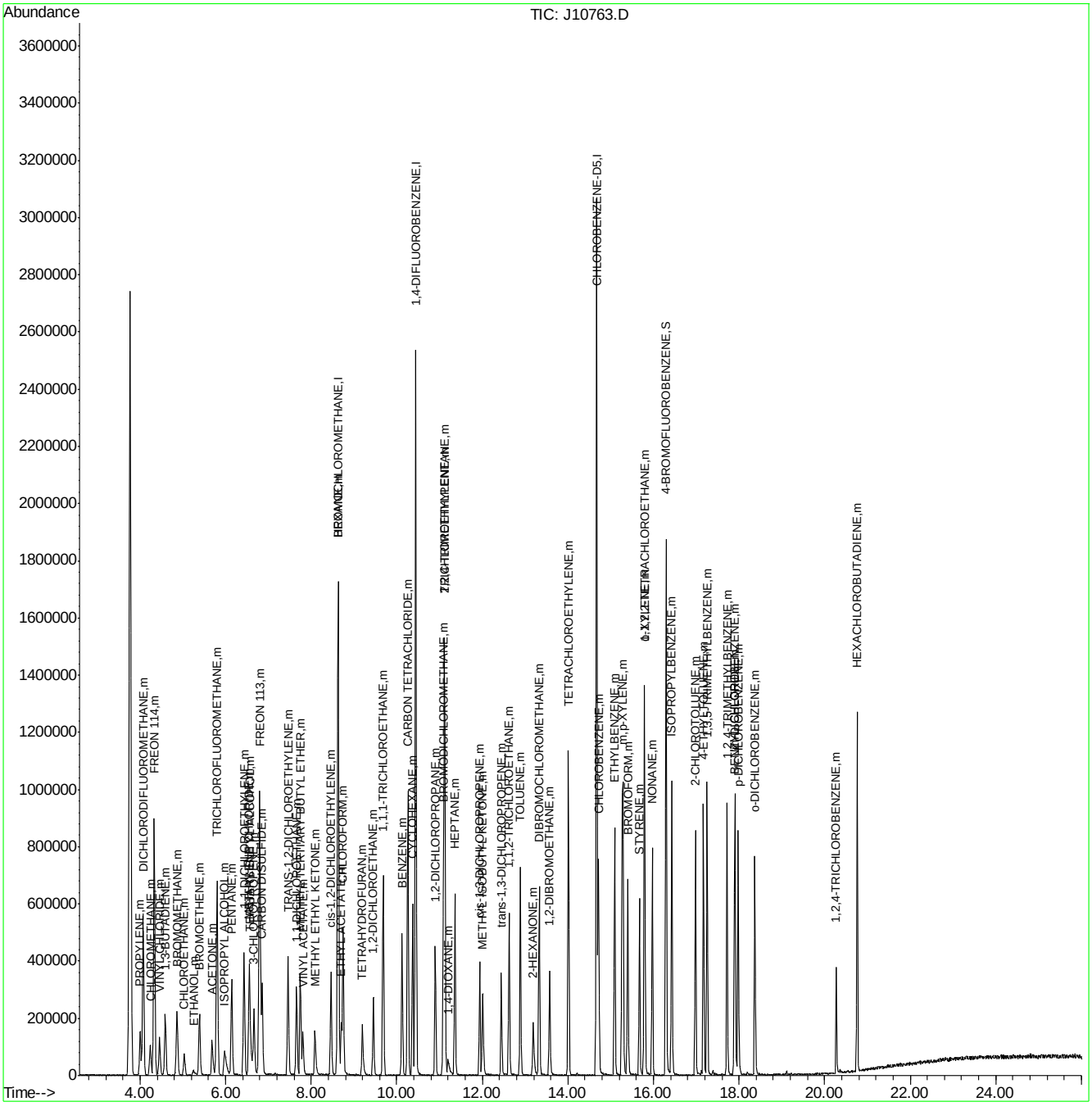
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.01	43	211276	3.49	PPBV	99
45) cis-1,3-DICHLOROPROPENE	11.94	75	196043	4.41	PPBV	98
46) TOLUENE	12.89	92	283875	4.43	PPBV	98
47) trans-1,3-DICHLOROPROPENE	12.44	75	185278	4.43	PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.63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

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

Quantitation Report (QT Reviewed)

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

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



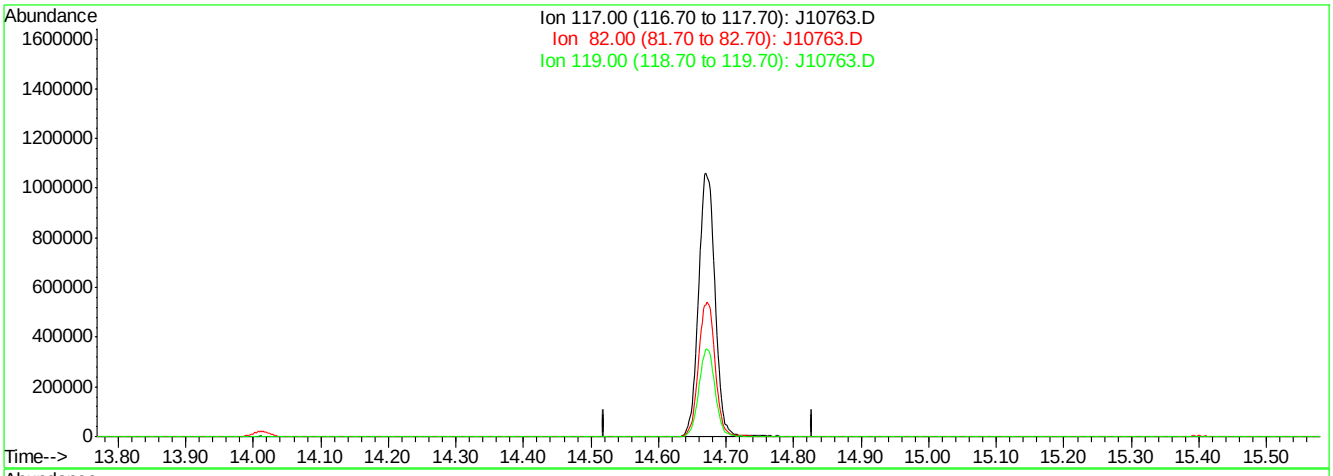
ACCUTEST Laboratories M67493

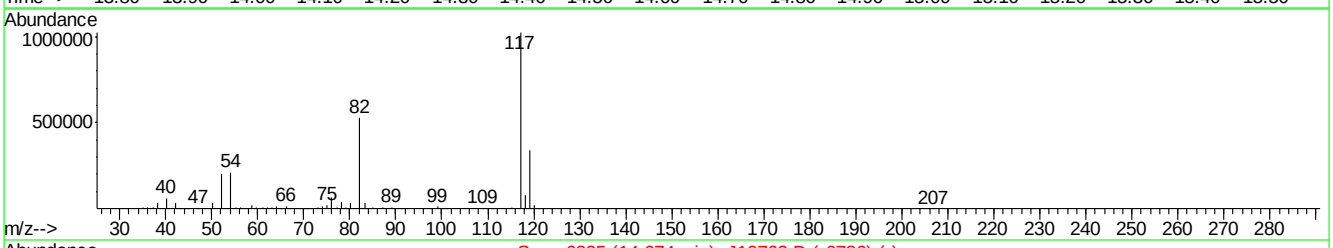
Quantitation Report (Qedit)

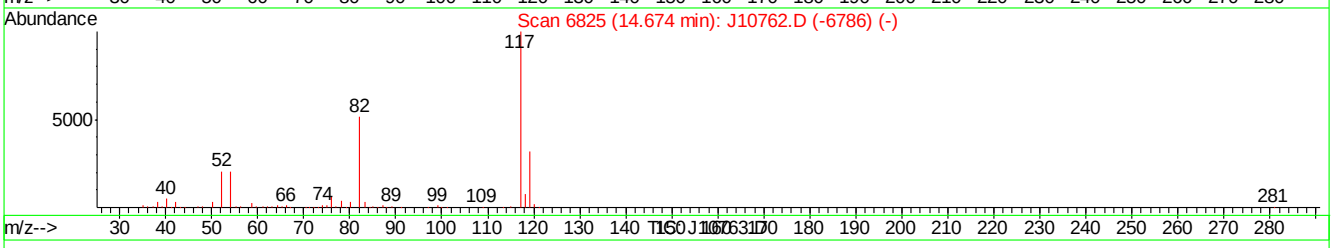
Data File : C:\MSDChem\1\data\J10763.D Vial: 3
Acq On : 25 Jun 2007 3:34 pm Operator: danat
Sample : ic557-5 (m172) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

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







(49) CHLOROBENZENE-D5 (I)

14.67min 0.00PPBV

response 0

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

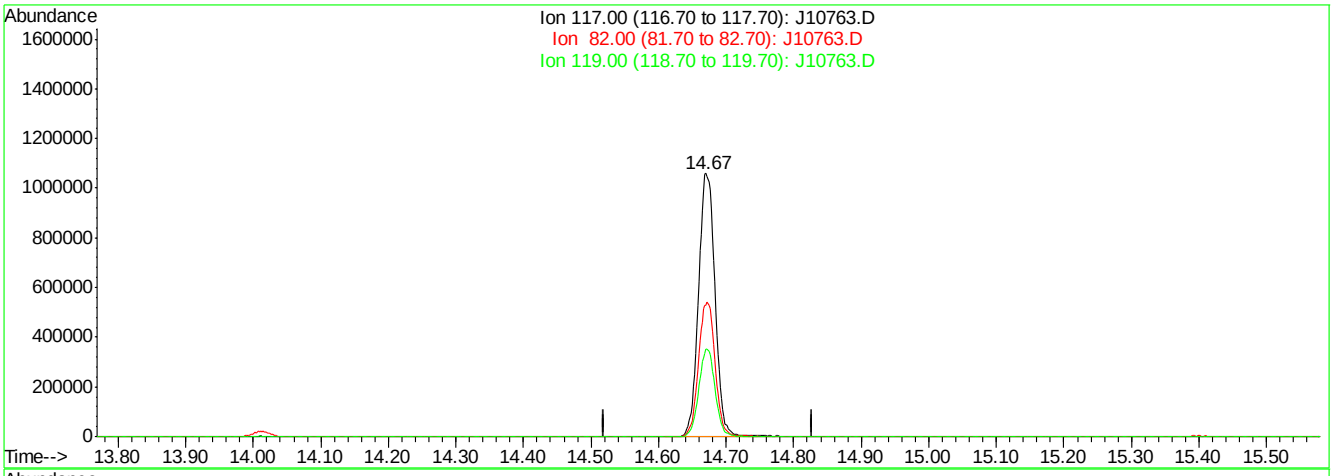
J10763.D J062507T.M Mon Jun 25 16:23:06 2007

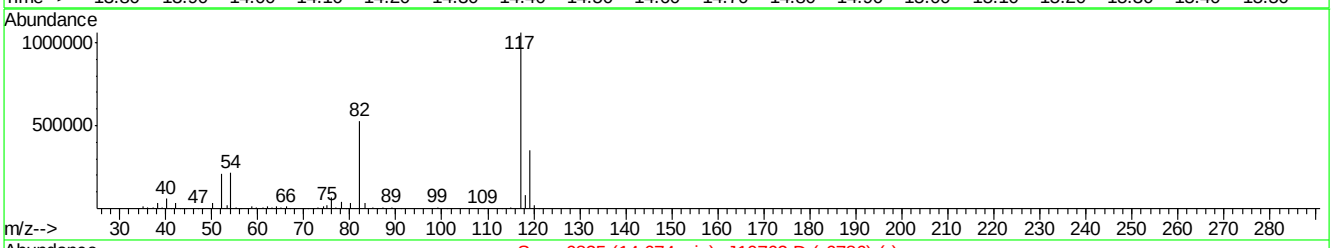
Quantitation Report (Qedit)

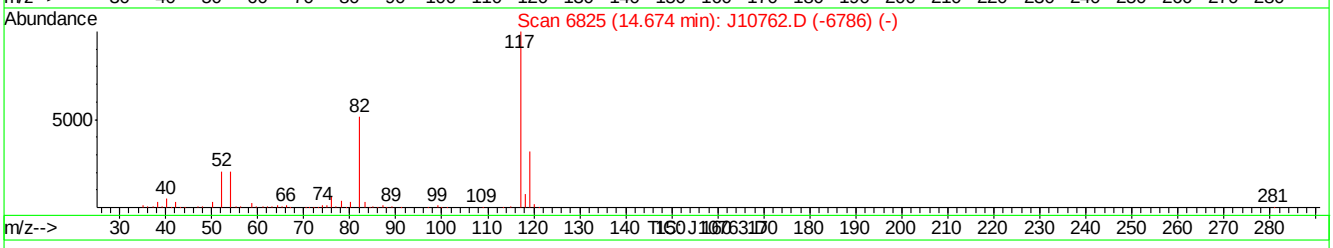
Data File : C:\MSDChem\1\data\J10763.D Vial: 3
Acq On : 25 Jun 2007 3:34 pm Operator: danat
Sample : ic557-5 (m172) Inst : MSJ
Misc : MS13762, MSJ557,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

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







(49) CHLOROBENZENE-D5 (I)

14.67min 10.00PPBV m

response 1791020

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

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

Quantitation Report (QT Reviewed)

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

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

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

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.29	95	556279	5.17	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 103.40%

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

Quantitation Report (QT Reviewed)

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

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

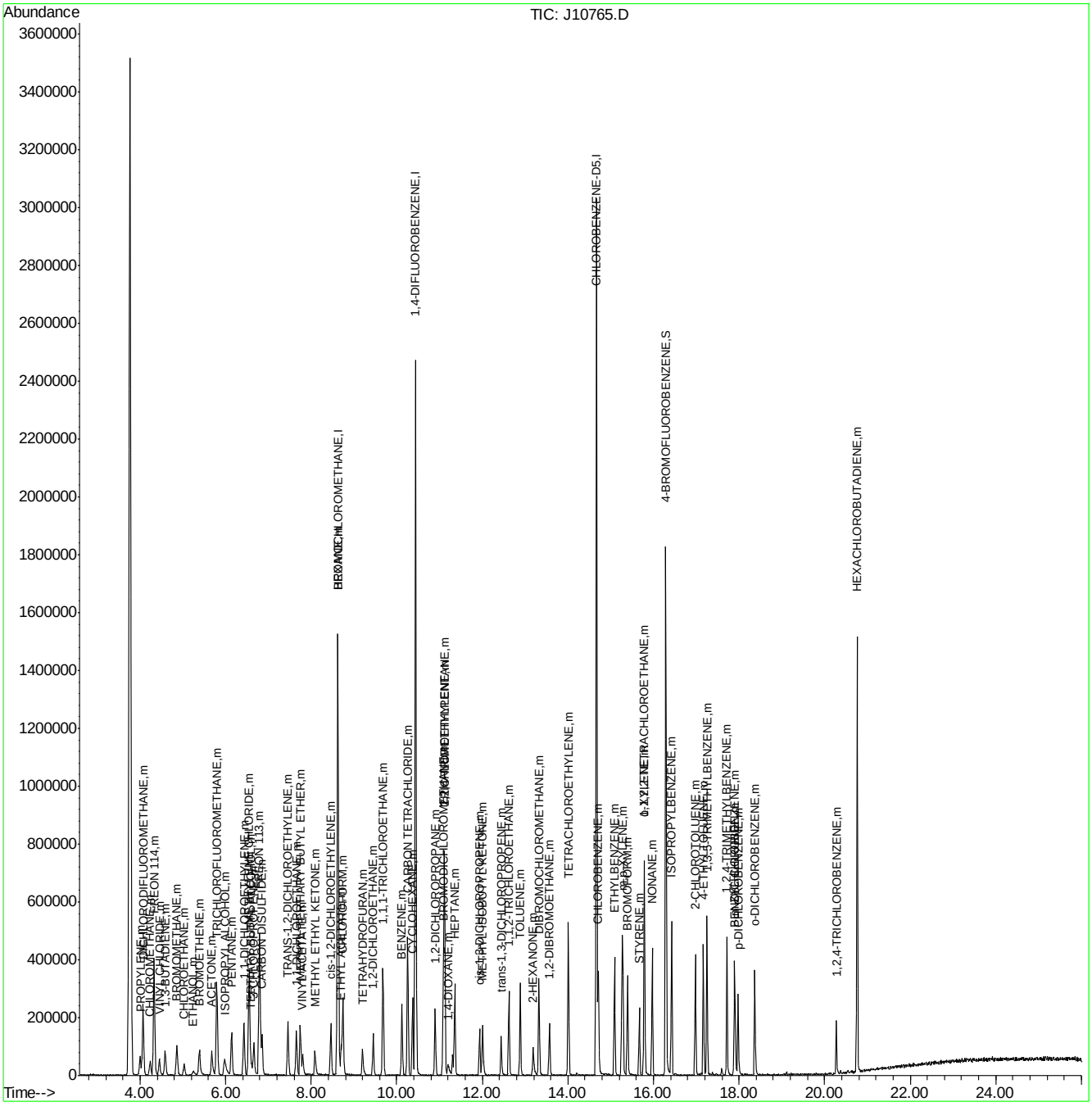
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.00	43	114732	2.11	PPBV	96
45) cis-1,3-DICHLOROPROPENE	11.94	75	78476	2.34	PPBV	98
46) TOLUENE	12.88	92	121156	2.03	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.44	75	66797	2.34	PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.62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

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

Quantitation Report (QT Reviewed)

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

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



Quantitation Report (QT Reviewed)

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

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

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

Quantitation Report (QT Reviewed)

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

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

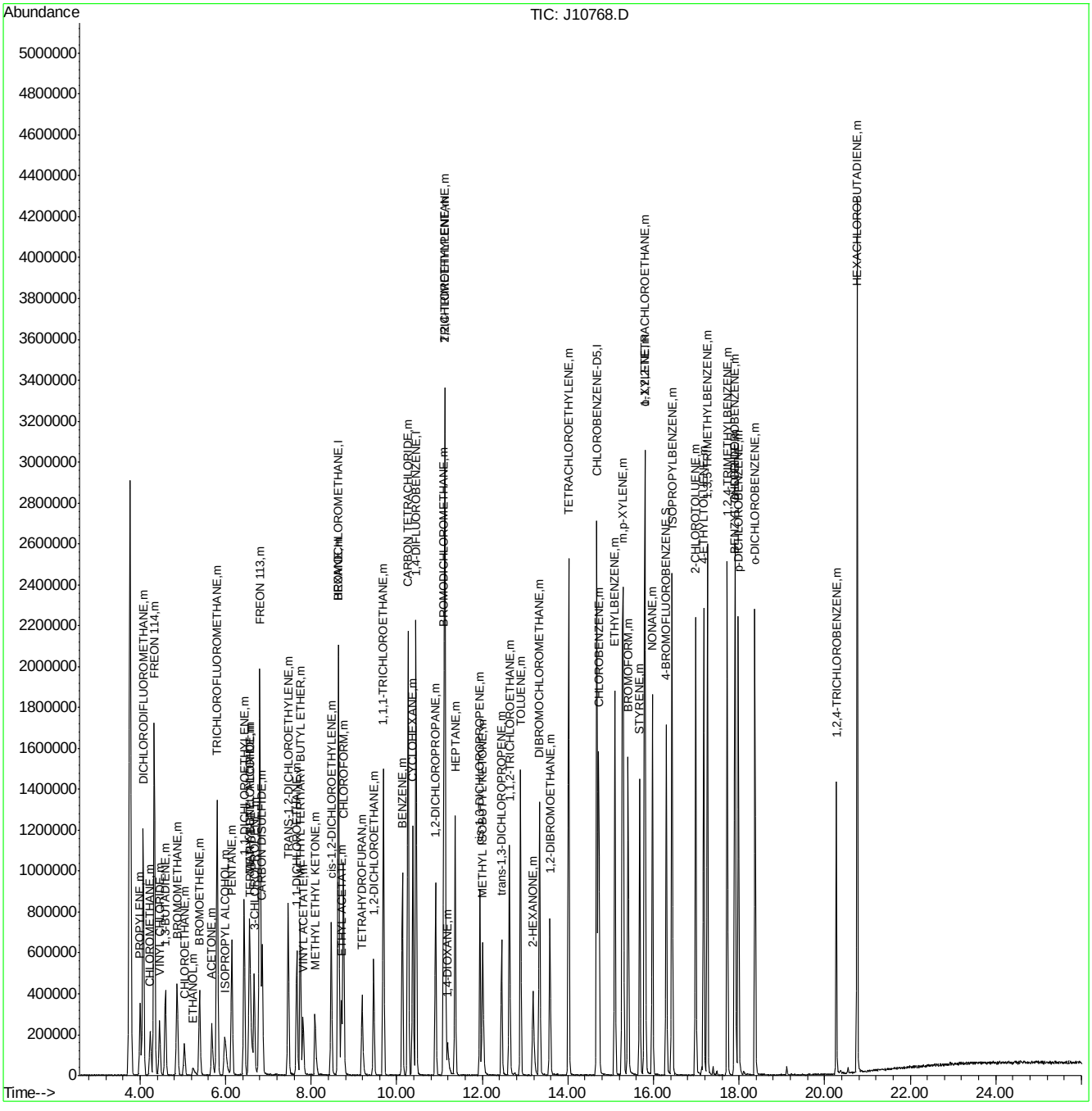
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.01	43	525462	10.45	PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.94	75	449981	9.40	PPBV	98
46) TOLUENE	12.89	92	607046	11.02	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.45	75	363600	8.70	PPBV	98
48) 1,1,2-TRICHLOROETHANE	12.63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

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

Quantitation Report (QT Reviewed)

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

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



ACCUTEST Laboratories M67493

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

Quantitation Report (QT Reviewed)

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

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

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

Quantitation Report (QT Reviewed)

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

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

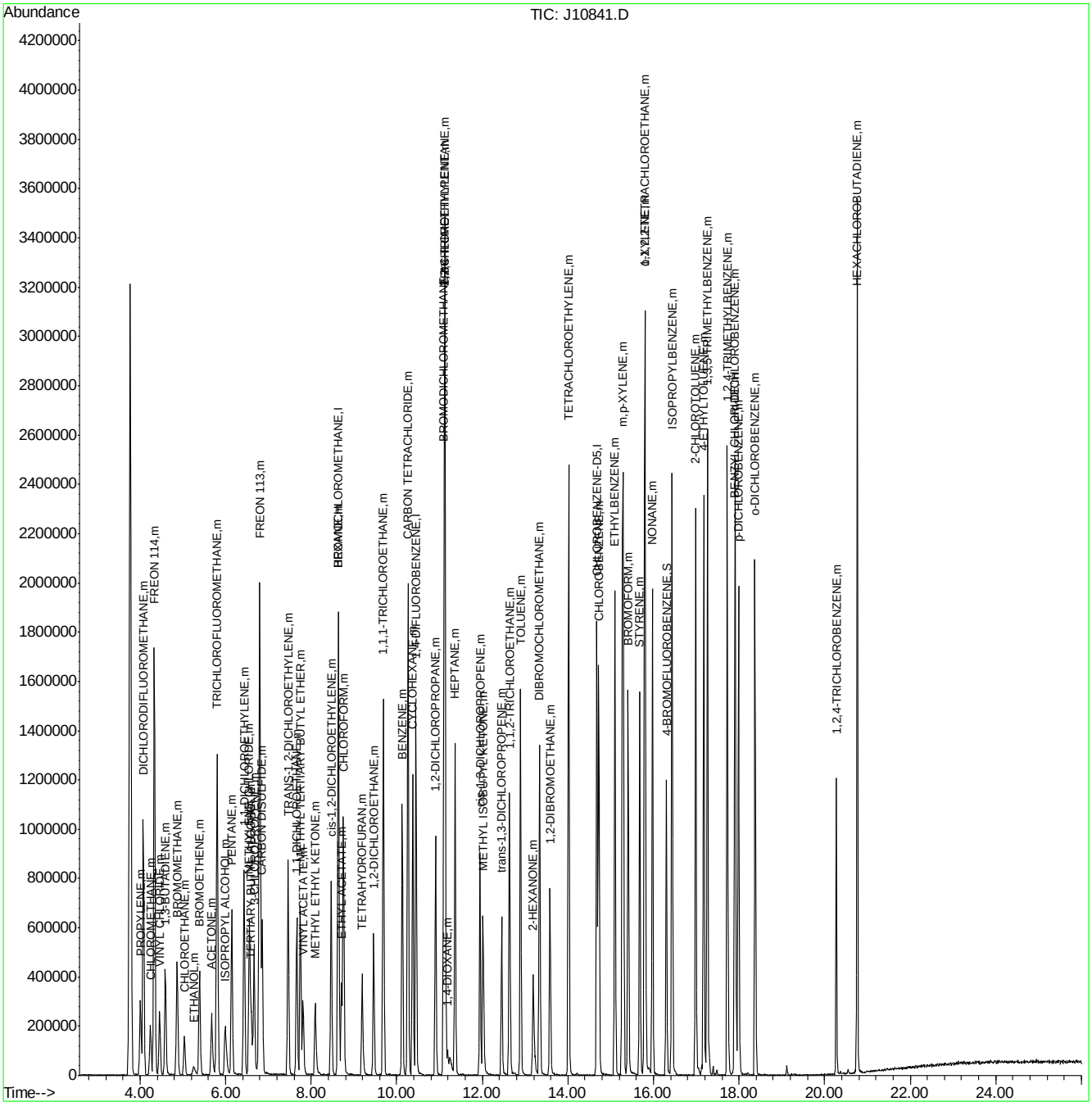
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.01	43	539941	15.25	PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.94	75	468418	13.44	PPBV	99
46) TOLUENE	12.89	92	670460	17.30	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.45	75	367062	10.82	PPBV	100
48) 1,1,2-TRICHLOROETHANE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

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

Quantitation Report (QT Reviewed)

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

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



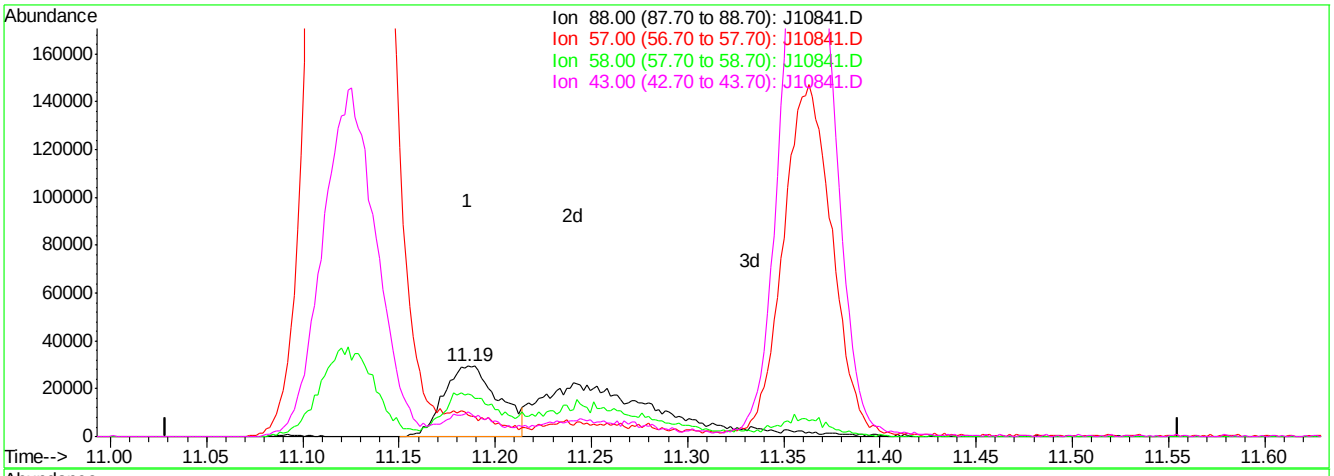
ACCUTEST Laboratories M67493

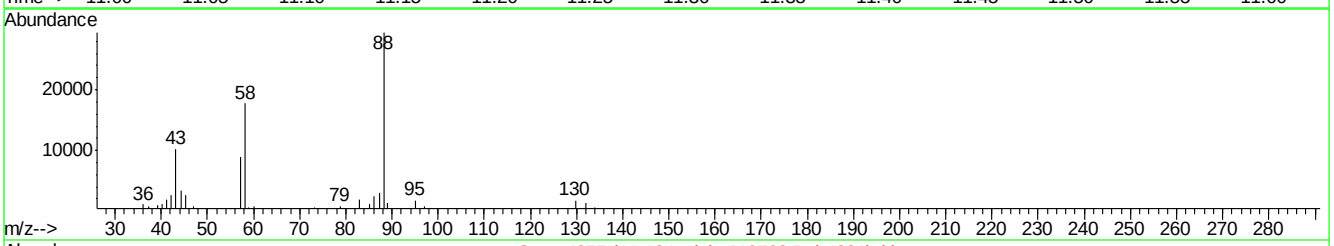
Quantitation Report (Qedit)

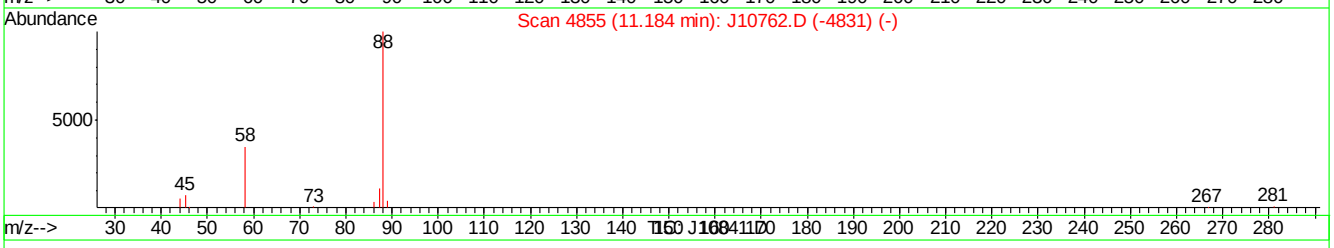
Data File : C:\MSDChem\1\data\J10841.D Vial: 1
Acq On : 3 Jul 2007 11:46 am Operator: danat
Sample : cc557-10 (M080) Inst : MSJ
Misc : MS13762, MSJ561,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

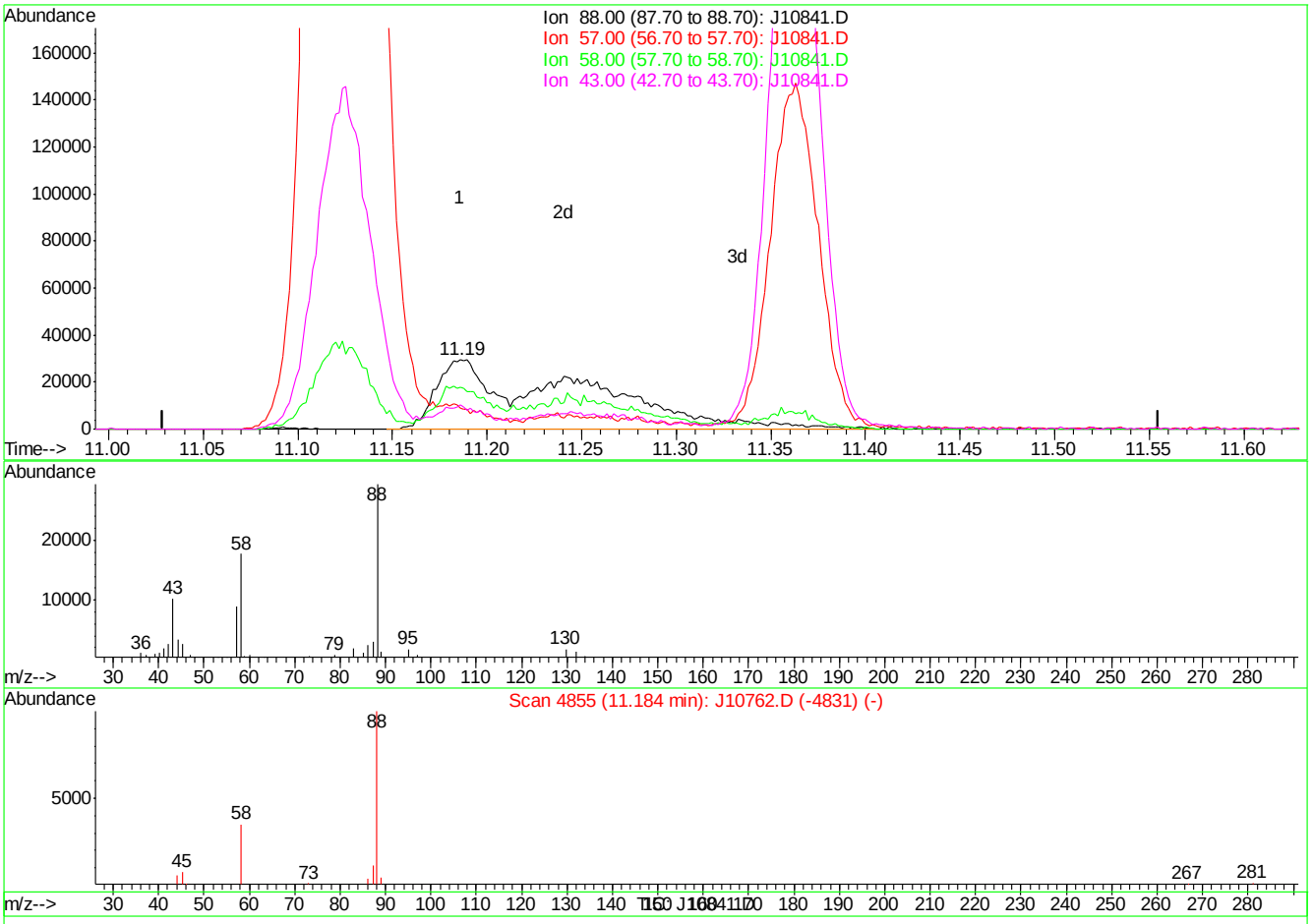
J10841.D J062507T.M Thu Jul 05 17:19:09 2007

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

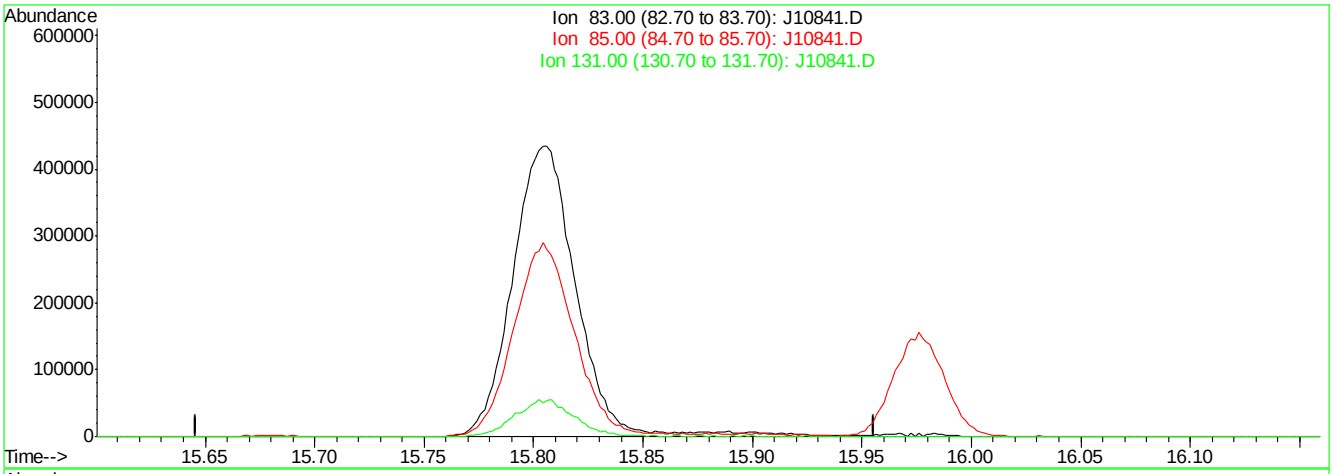
J10841.D J062507T.M Thu Jul 05 17:19:21 2007

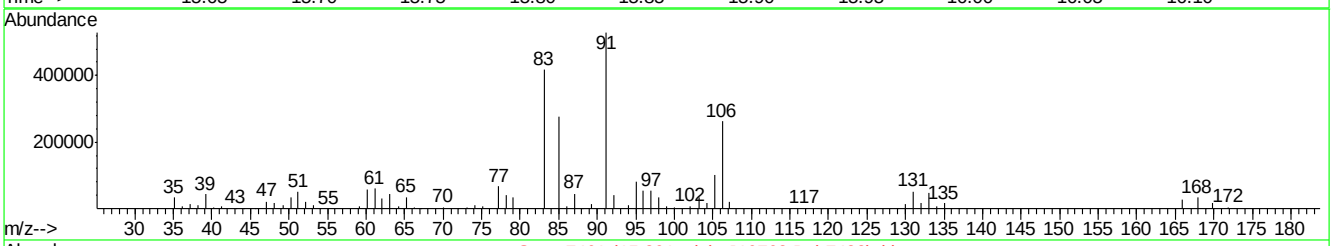
Quantitation Report (Qedit)

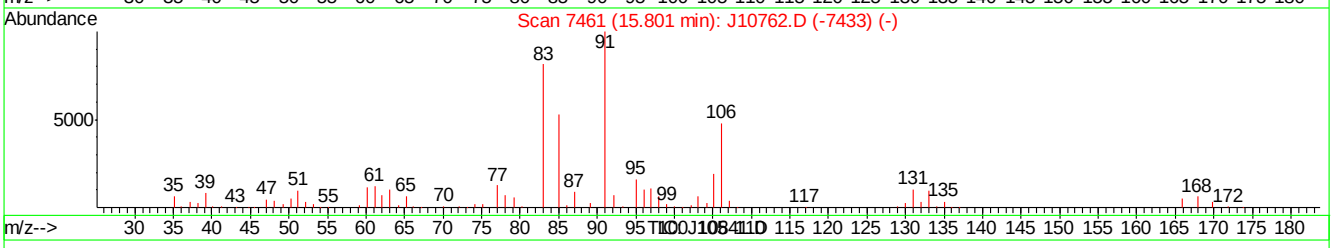
Data File : C:\MSDChem\1\data\J10841.D Vial: 1
Acq On : 3 Jul 2007 11:46 am Operator: danat
Sample : cc557-10 (M080) Inst : MSJ
Misc : MS13762, MSJ561,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

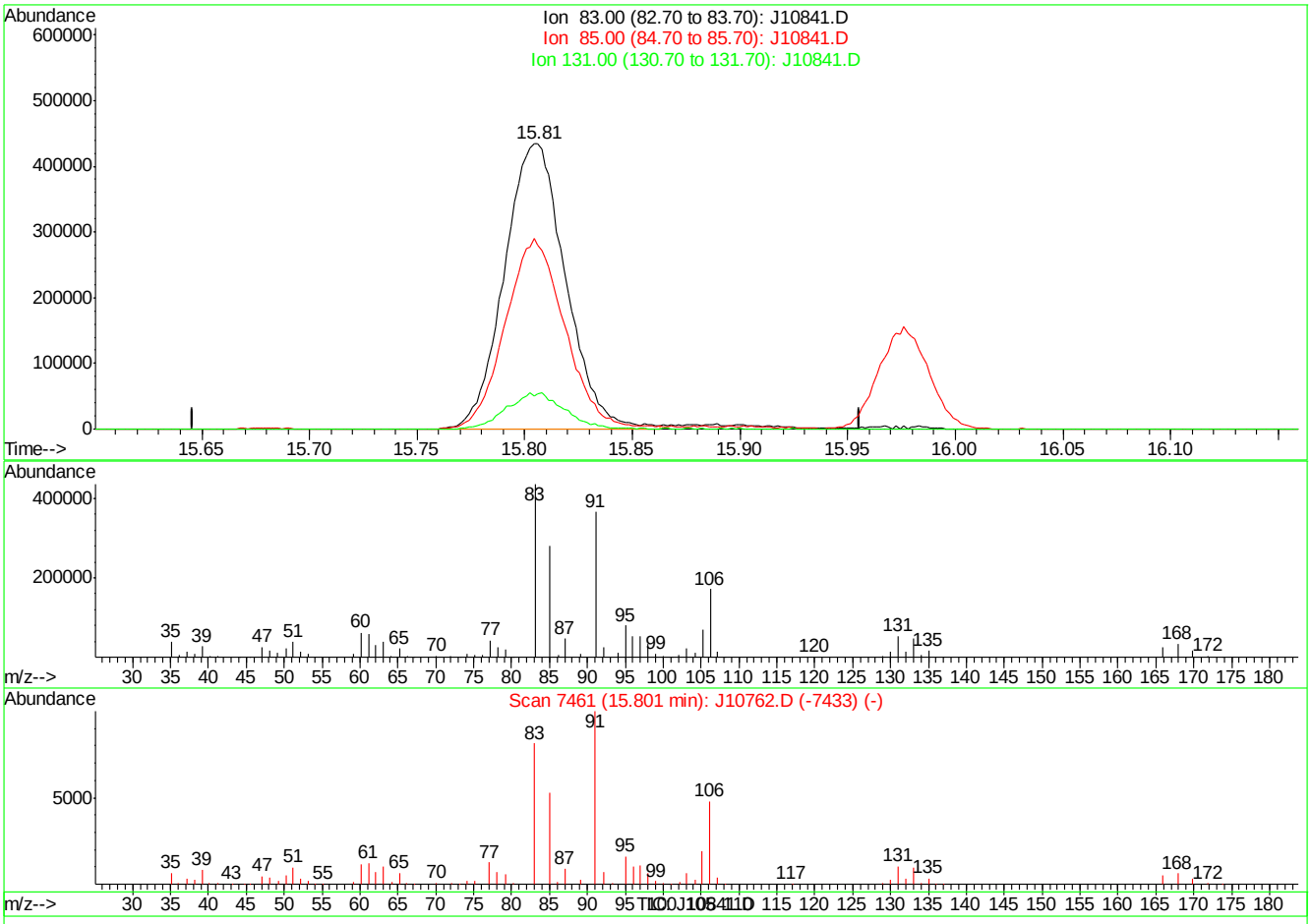
J10841.D J062507T.M Thu Jul 05 17:19:39 2007

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
09/07/07 12:11

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J11217.D
Acq On : 6 Sep 2007 2:30 pm
Operator : PhilipB
Sample : IC589-4 (M142)
Misc : MS14204, MSJ589,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 06 15:37:57 2007
Quant Method : C:\MSDCHEM\1\METHODS\J072007T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Sep 06 15:37:11 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.63	128	239246	10.00	PPBV	0.01
35) 1,4-DIFLUOROBENZENE	10.45	114	1071804	10.00	PPBV	0.01
49) CHLOROBENZENE-D5	14.88	117	744584m	10.00	PPBV	0.21

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.39	95	167488	3.70	PPBV	0.10

Spiked Amount 5.000 Range 51 - 142 Recovery = 74.00%

Target Compounds						Qvalue
74) NAPHTHALENE	20.40	128	272275	4.01	PPBV	100

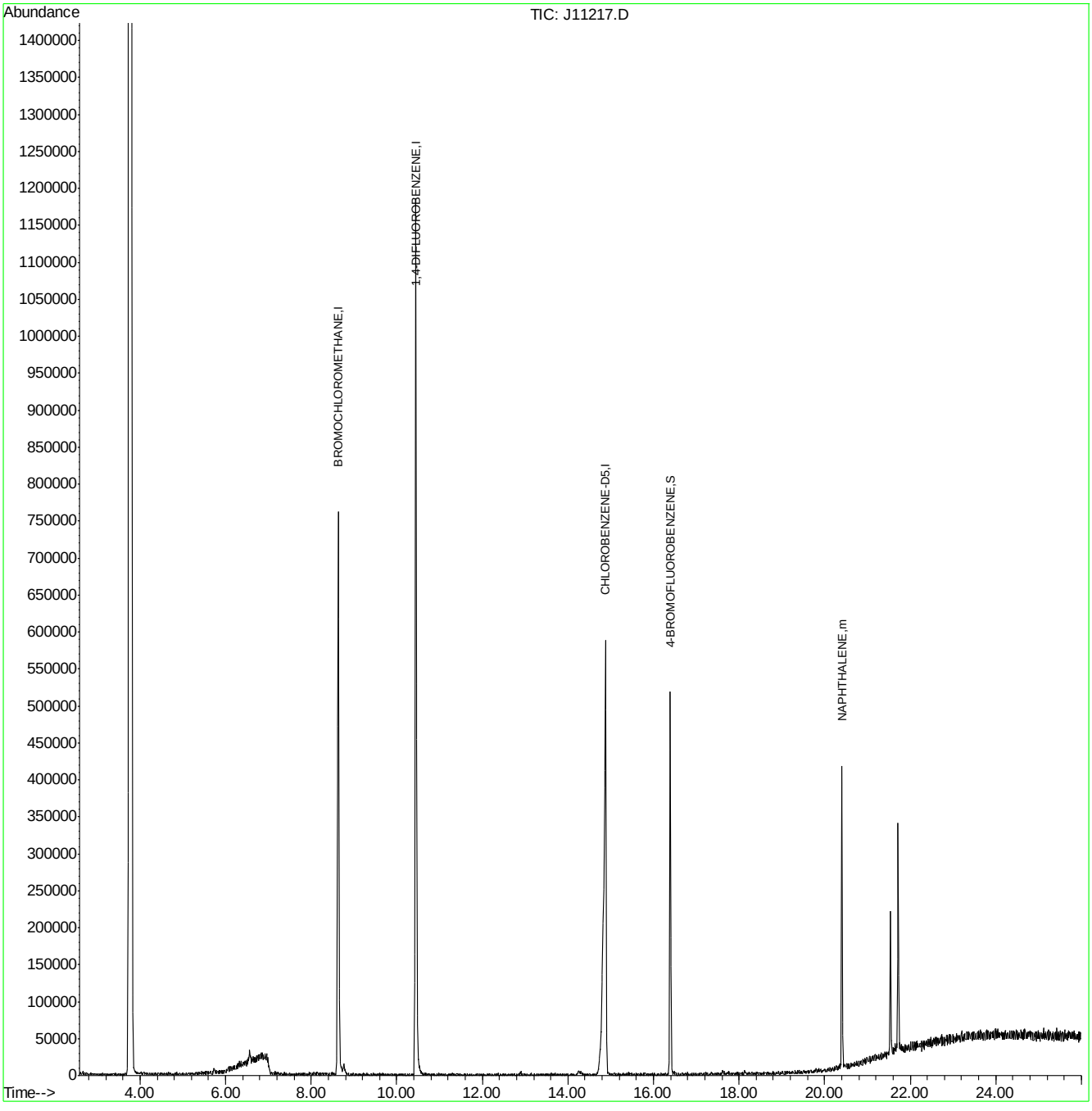
(#) = qualifier out of range (m) = manual integration (+) = signals summed

6.7.10
6

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J11217.D
Acq On : 6 Sep 2007 2:30 pm
Operator : PhilipB
Sample : IC589-4 (M142)
Misc : MS14204, MSJ589,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 06 15:37:57 2007
Quant Method : C:\MSDCHEM\1\METHODS\J072007T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Sep 06 15:37:11 2007
Response via : Initial Calibration

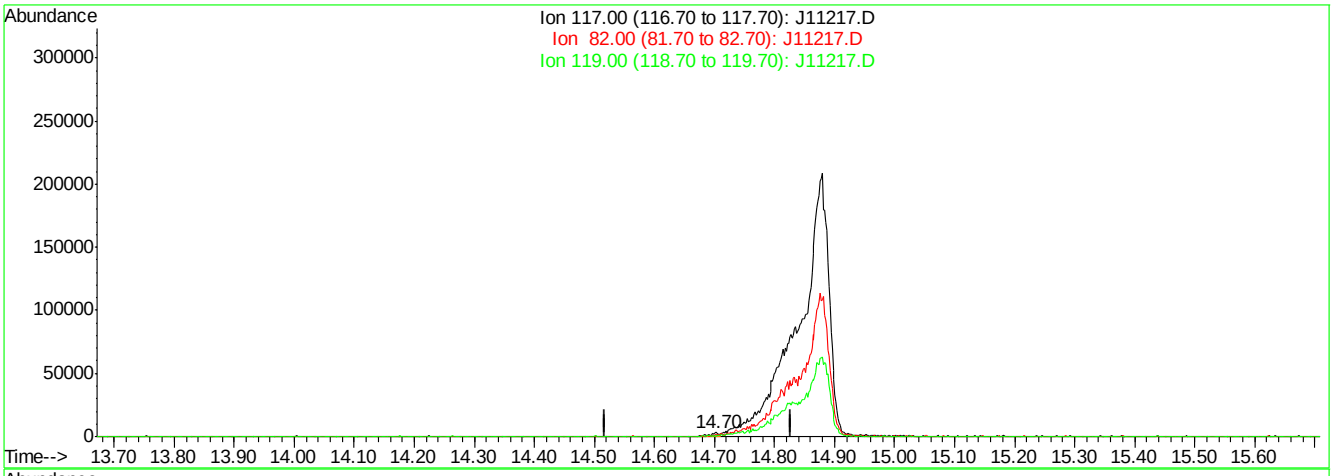


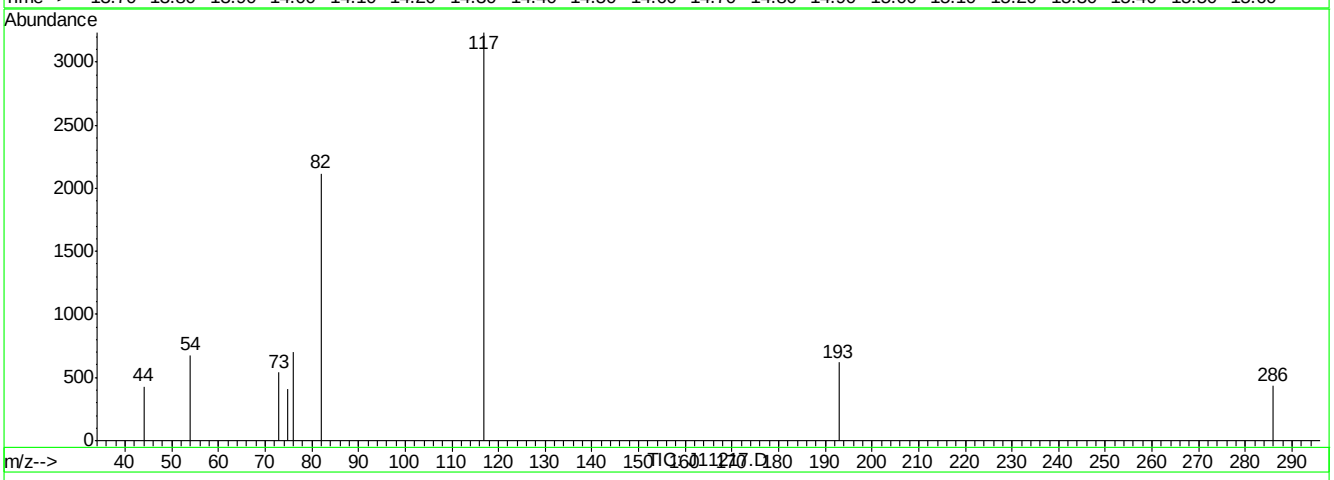
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11217.D Vial: 1
Acq On : 6 Sep 2007 2:30 pm Operator: PhilipB
Sample : IC589-4 (M142) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 06 15:37:18 2007 Results File: J072007T.RES

Method : C:\MSDCHEM\1\METHODS\J072007T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Sep 06 15:37:11 2007
Response via : Multiple Level Calibration





(49) CHLOROBENZENE-D5 (I)

14.70min 10.00PPBV

response 3055

Ion	Exp%	Act%
117.00	100	100
82.00	52.40	65.30
119.00	32.10	20.20
0.00	0.00	0.00

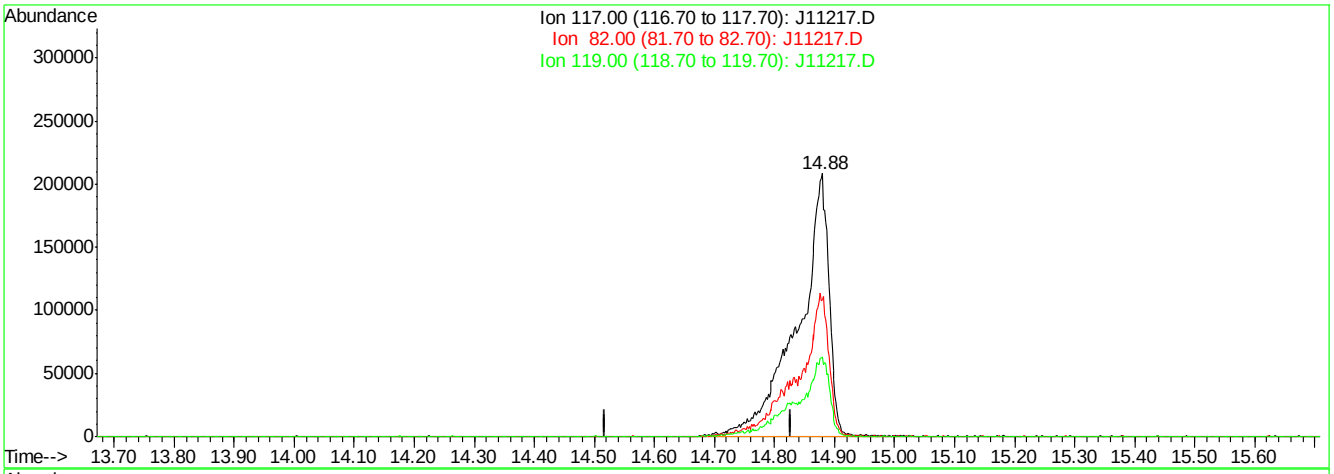
J11217.D J072007T.M Thu Sep 06 15:37:52 2007

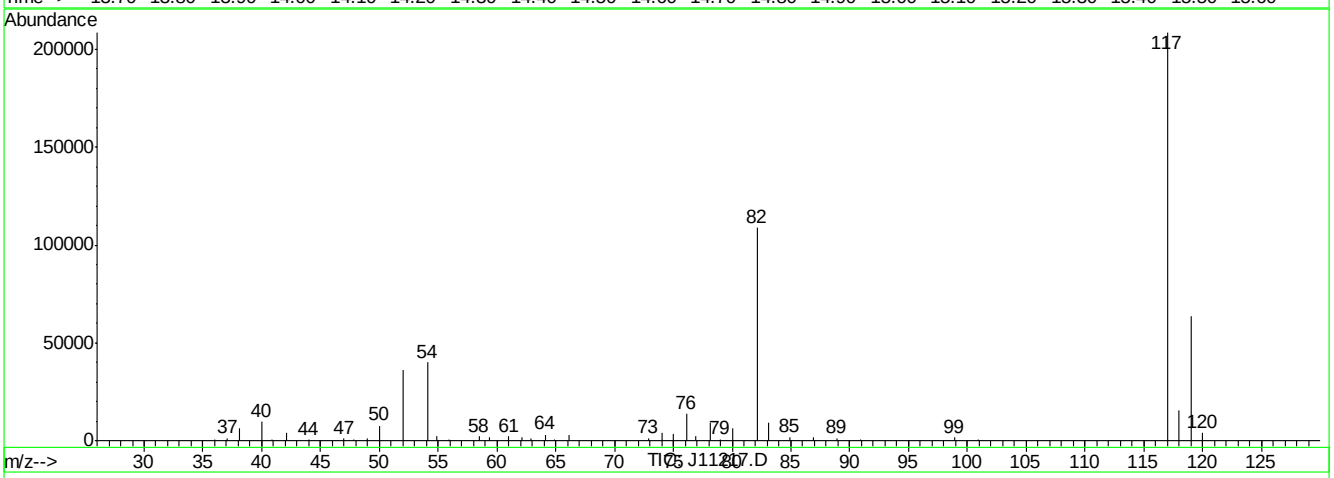
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11217.D Vial: 1
Acq On : 6 Sep 2007 2:30 pm Operator: PhilipB
Sample : IC589-4 (M142) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 06 15:37:18 2007 Results File: J072007T.RES

Method : C:\MSDCHEM\1\METHODS\J072007T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Sep 06 15:37:11 2007
Response via : Multiple Level Calibration





(49) CHLOROBENZENE-D5 (I)

14.88min 10.00PPBV m

response 744584

Ion	Exp%	Act%
117.00	100	100
82.00	52.40	0.27#
119.00	32.10	0.08#
0.00	0.00	0.00

J11217.D J072007T.M Thu Sep 06 15:38:01 2007

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
09/07/07 12:11

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J11218.D
Acq On : 6 Sep 2007 3:18 pm
Operator : PhilipB
Sample : IC589-40 (M065)
Misc : MS14204, MSJ589,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 06 15:47:52 2007
Quant Method : C:\MSDCHEM\1\METHODS\J072007T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Sep 06 15:37:11 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.65	128	245150	10.00	PPBV	0.04
35) 1,4-DIFLUOROBENZENE	10.49	114	1094603	10.00	PPBV	0.06
49) CHLOROBENZENE-D5	14.72	117	964534	10.00	PPBV	0.04

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.34	95	258842	4.42	PPBV	0.04

Spiked Amount 5.000 Range 51 - 142 Recovery = 88.40%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.07	85	4227847	53.15	PPBV	98
3) PROPYLENE	3.99	41	620611	50.80	PPBV	94
4) FREON 114	4.32	85	3629489	51.87	PPBV	100
5) CHLOROMETHANE	4.23	50	782943	43.04	PPBV	98
6) VINYL CHLORIDE	4.45	62	1009038	49.73	PPBV	99
7) 1,3-BUTADIENE	4.58	39	743914	51.03	PPBV	98
8) BROMOMETHANE	4.85	94	1180148	50.37	PPBV	99
9) CHLOROETHANE	5.03	64	482259	51.37	PPBV	98
10) TRICHLOROFLUOROMETHANE	5.80	101	4513518	55.77	PPBV	100
11) ISOPROPYL ALCOHOL	6.26	45	1330045m	54.55	PPBV	
12) ACETONE	5.69	43	1200449	41.86	PPBV	95
13) PENTANE	6.15	42	818887	42.82	PPBV #	21
14) 1,1-DICHLOROETHYLENE	6.43	96	1120806	52.37	PPBV	95
15) CARBON DISULFIDE	6.86	76	3016944	43.52	PPBV	99
16) ETHANOL	5.49	45	264293m	75.66	PPBV	
17) BROMOETHENE	5.38	106	1197224	57.88	PPBV	99
18) METHYLENE CHLORIDE	6.56	84	977331	32.01	PPBV	93
19) 3-CHLOROPROPENE	6.68	39	1033065	57.54	PPBV	91
20) FREON 113	6.80	151	2259949	44.23	PPBV	94
21) TRANS-1,2-DICHLOROETHYLENE	7.47	96	1121947	53.06	PPBV	97
22) TERTIARY BUTYL ALCOHOL	6.86	59	2131805m	76.83	PPBV	
23) METHYL TERTIARY BUTYL ETHE	7.78	73	2779796	67.51	PPBV	93
24) TETRAHYDROFURAN	9.24	42	683096m	51.34	PPBV	
25) HEXANE	8.65	57	1207339	45.02	PPBV	98
26) VINYL ACETATE	7.85	43	1845798	65.30	PPBV	97
27) 1,1-DICHLOROETHANE	7.68	63	1953080	52.36	PPBV	99
28) METHYL ETHYL KETONE	8.20	43	1346143	47.59	PPBV	99
29) cis-1,2-DICHLOROETHYLENE	8.49	96	1128509	55.01	PPBV	96
30) ETHYL ACETATE	8.78	43	1352880	43.47	PPBV	97
31) CHLOROFORM	8.80	83	2780285	52.44	PPBV	98
32) 1,1,1-TRICHLOROETHANE	9.71	97	3461294	60.09	PPBV	97
33) CARBON TETRACHLORIDE	10.28	117	3932470	55.36	PPBV	99
34) 1,2-DICHLOROETHANE	9.51	62	1689640	58.38	PPBV	98
36) BENZENE	10.16	78	2708912	52.51	PPBV	99
37) CYCLOHEXANE	10.39	84	1300272	53.28	PPBV	91
38) TRICHLOROETHYLENE	11.16	95	1427496	51.87	PPBV	97
39) 1,2-DICHLOROPROPANE	10.96	63	878245	50.41	PPBV	89
40) BROMODICHLOROMETHANE	11.15	83	2885469	57.19	PPBV	100
41) 2,2,4-TRIMETHYLPENTANE	11.15	57	4452836	57.67	PPBV	96
42) 1,4-DIOXANE	11.27	88	525694	64.23	PPBV	95
43) HEPTANE	11.39	43	1394147	50.81	PPBV	93

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J11218.D
Acq On : 6 Sep 2007 3:18 pm
Operator : PhilipB
Sample : IC589-40 (M065)
Misc : MS14204, MSJ589,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 06 15:47:52 2007
Quant Method : C:\MSDCHEM\1\METHODS\J072007T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Sep 06 15:37:11 2007
Response via : Initial Calibration

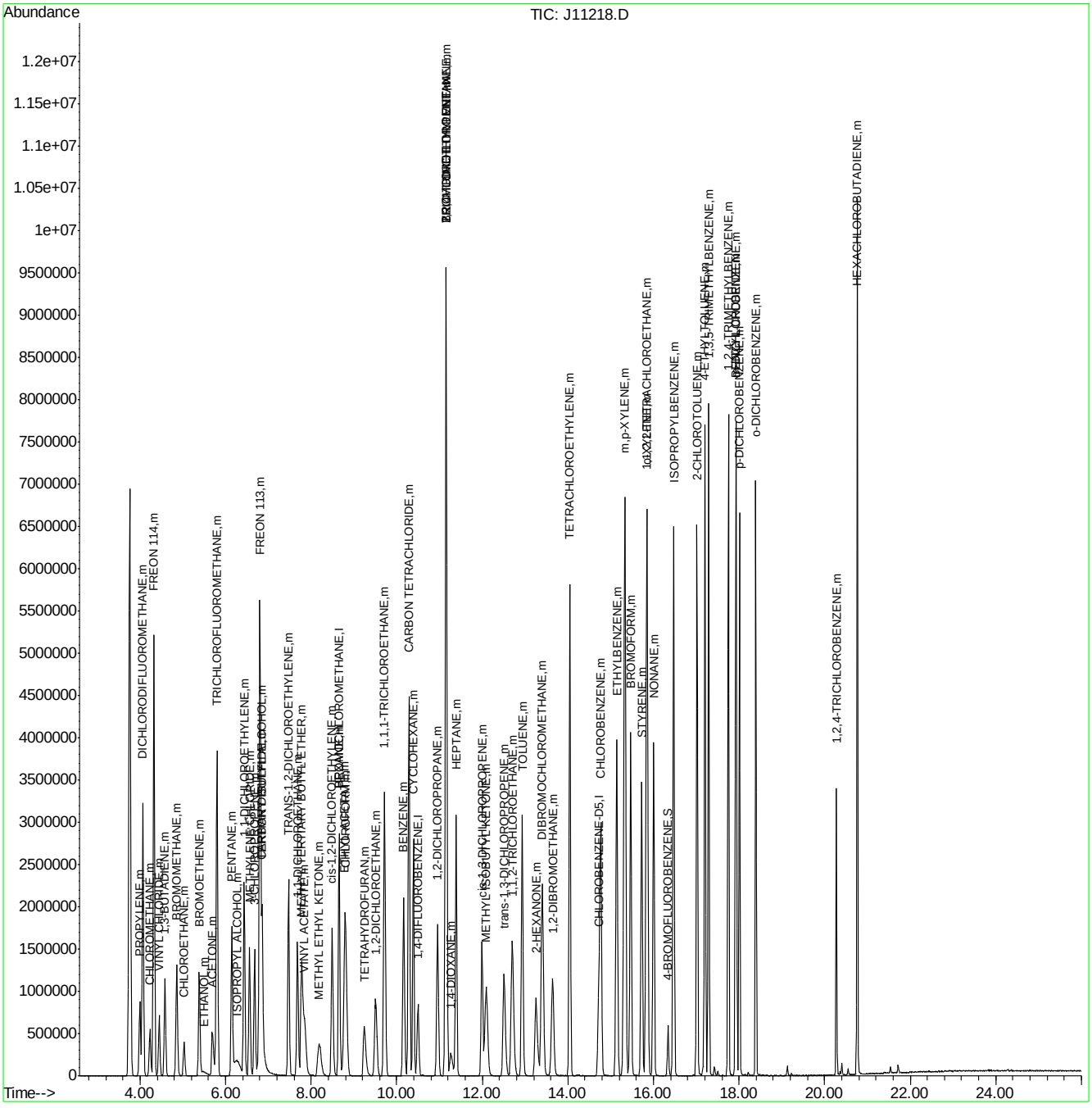
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.09	43	1697627	55.28 PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.99	75	1481191	65.31 PPBV	96
46) TOLUENE	12.93	92	2049063	62.84 PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.50	75	1576743	74.34 PPBV	93
48) 1,1,2-TRICHLOROETHANE	12.70	83	957364	52.97 PPBV	99
50) 2-HEXANONE	13.25	43	1506539	59.96 PPBV	99
51) TETRACHLOROETHYLENE	14.04	164	1704708	55.36 PPBV	96
52) DIBROMOCHLOROMETHANE	13.40	129	2774337	59.43 PPBV	100
53) 1,2-DIBROMOETHANE	13.65	107	1824890	56.94 PPBV	99
54) CHLOROBENZENE	14.77	112	2752173	52.40 PPBV	99
55) ETHYLBENZENE	15.14	91	4860857	71.66 PPBV	98
56) m,p-XYLENE	15.33	106	3792700	136.37 PPBV	90
57) o-XYLENE	15.84	106	1914781	69.37 PPBV	94
58) STYRENE	15.73	104	2638439	76.71 PPBV	97
59) NONANE	16.01	43	1900139	58.64 PPBV	93
60) BROMOFORM	15.47	173	2791835	63.26 PPBV	96
62) 1,1,2,2-TETRACHLOROETHANE	15.86	83	2580916	57.55 PPBV	99
63) ISOPROPYLBENZENE	16.47	105	5859022	74.01 PPBV	99
64) 2-CHLOROTOLUENE	17.02	91	4284943	80.22 PPBV	98
65) 4-ETHYLTOLUENE	17.20	105	5717661	76.94 PPBV #	98
66) 1,3,5-TRIMETHYLBENZENE	17.29	105	4912676	69.43 PPBV	96
67) 1,2,4-TRIMETHYLBENZENE	17.75	105	4674487	75.96 PPBV	96
68) m-DICHLOROBENZENE	17.94	146	2893010	61.01 PPBV	98
69) BENZYL CHLORIDE	17.92	91	3053558	86.54 PPBV	99
70) p-DICHLOROBENZENE	18.01	146	2625759	59.96 PPBV	98
71) o-DICHLOROBENZENE	18.39	146	2769482	67.17 PPBV	98
72) HEXACHLOROBUTADIENE	20.76	225	1689015	41.00 PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.27	180	863170	46.77 PPBV	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J11218.D
Acq On : 6 Sep 2007 3:18 pm
Operator : PhilipB
Sample : IC589-40 (M065)
Misc : MS14204, MSJ589,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 06 15:47:52 2007
Quant Method : C:\MSDCHEM\1\METHODS\J072007T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Sep 06 15:37:11 2007
Response via : Initial Calibration



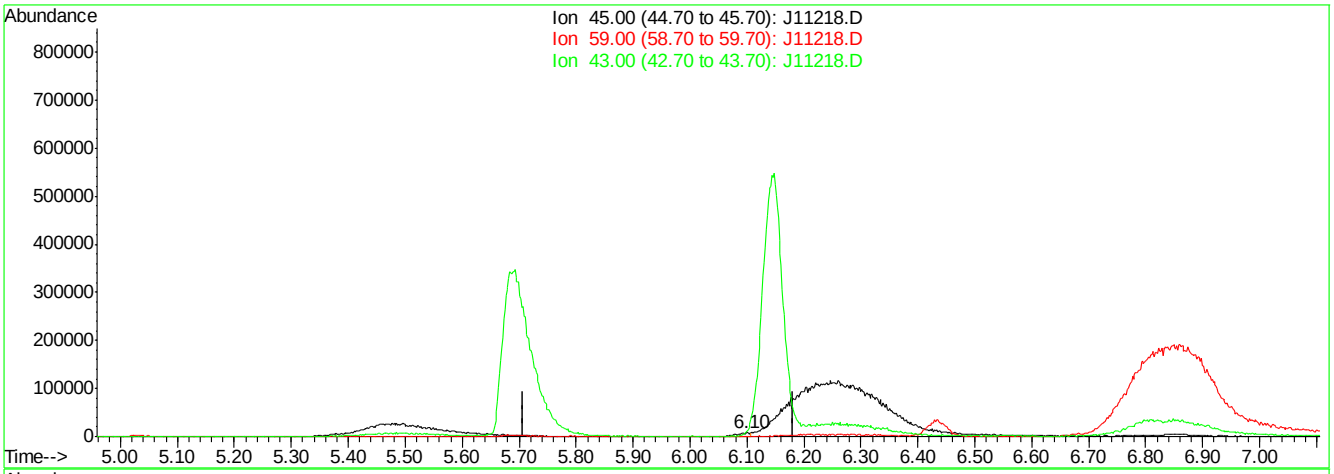
ACCUTEST Laboratories M67493

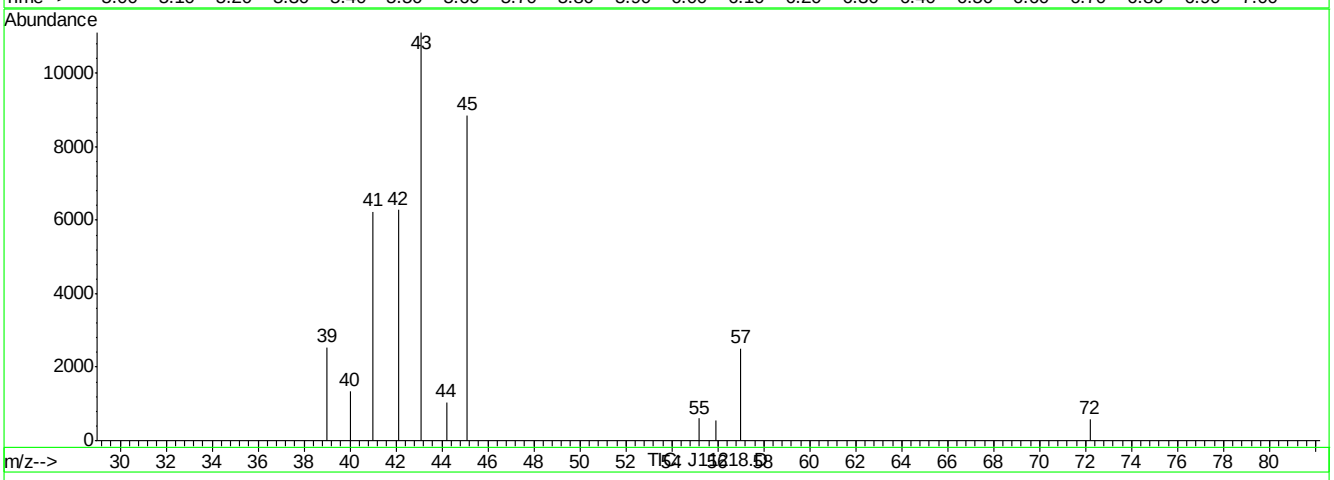
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11218.D Vial: 2
Acq On : 6 Sep 2007 3:18 pm Operator: PhilipB
Sample : IC589-40 (M065) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 06 15:46:33 2007 Results File: J072007T.RES

Method : C:\MSDCHEM\1\METHODS\J072007T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Sep 06 15:37:11 2007
Response via : Multiple Level Calibration





(11) ISOPROPYL ALCOHOL (m)

6.10min 0.50PPBV

response 12138

Ion	Exp%	Act%
45.00	100	100
59.00	3.60	0.00
43.00	24.20	125.40#
0.00	0.00	0.00

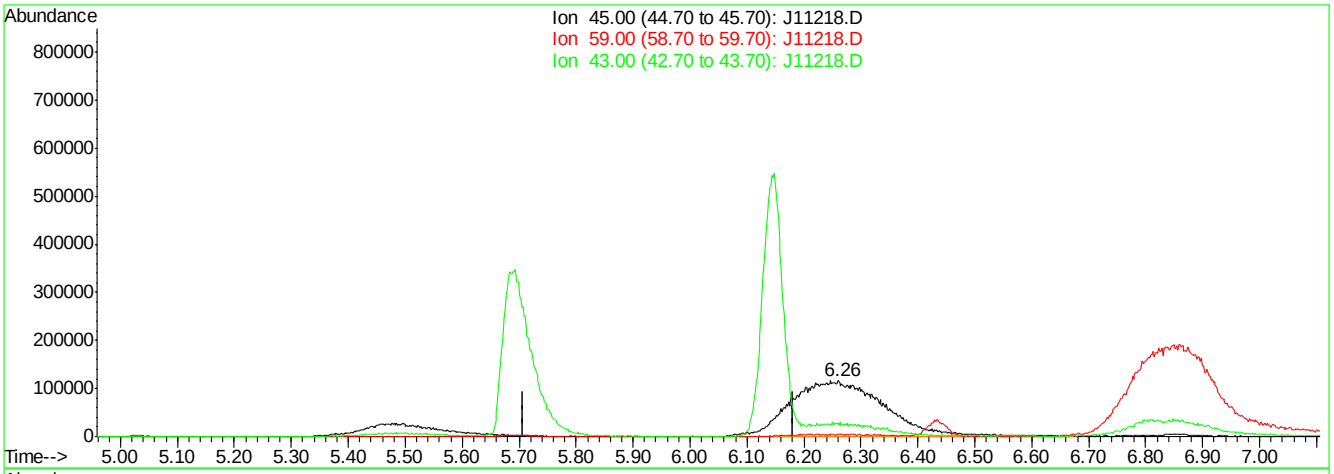
J11218.D J072007T.M Thu Sep 06 15:46:50 2007

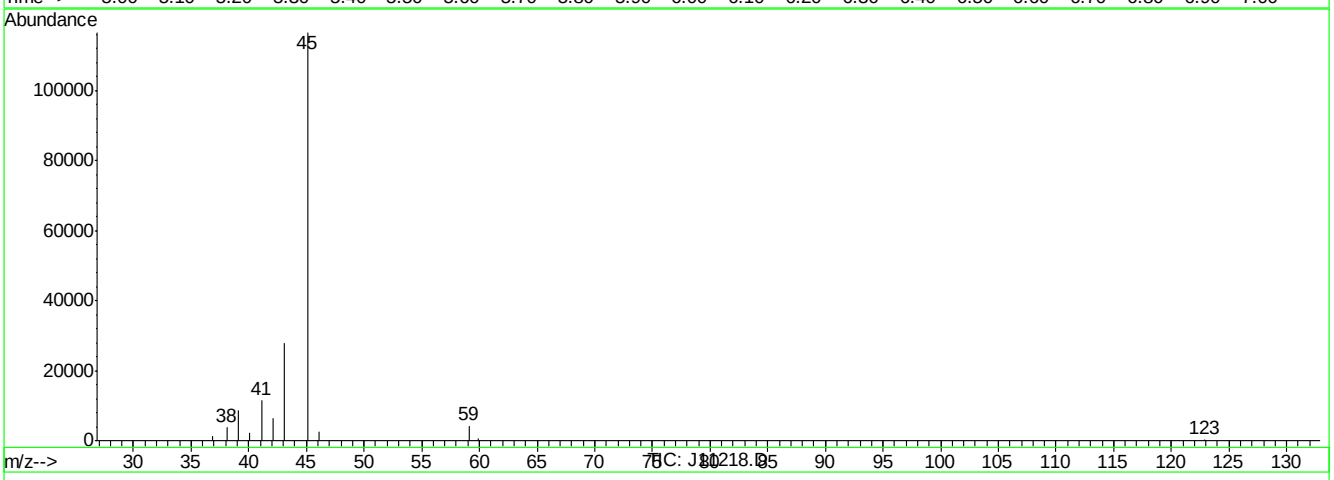
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11218.D Vial: 2
Acq On : 6 Sep 2007 3:18 pm Operator: PhilipB
Sample : IC589-40 (M065) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 06 15:46:33 2007 Results File: J072007T.RES

Method : C:\MSDCHEM\1\METHODS\J072007T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Sep 06 15:37:11 2007
Response via : Multiple Level Calibration





(11) ISOPROPYL ALCOHOL (m)

6.26min 54.55PPBV m

response 1330045

Ion	Exp%	Act%
45.00	100	100
59.00	3.60	3.70
43.00	24.20	24.02
0.00	0.00	0.00

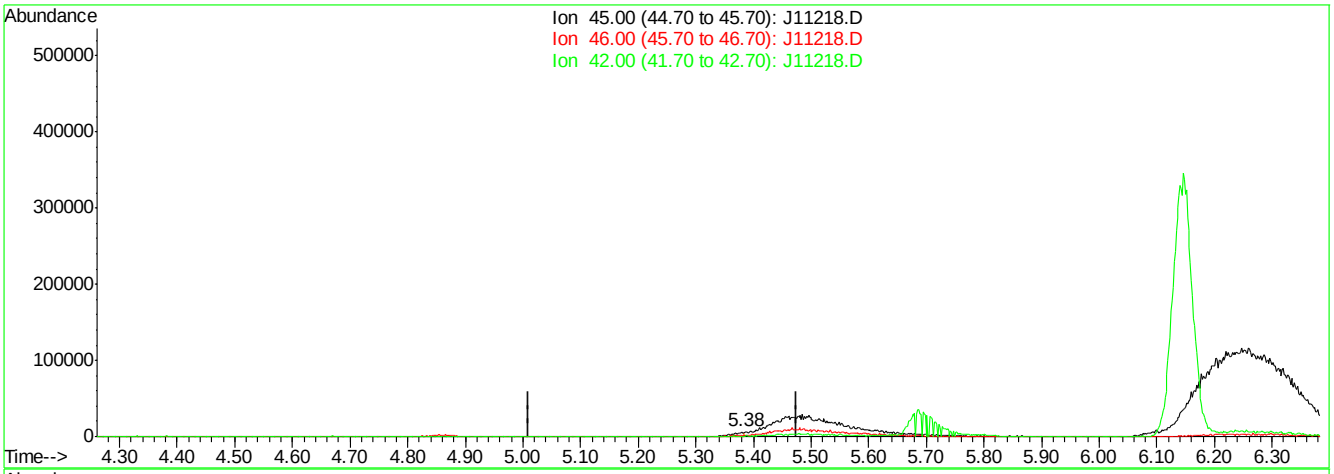
J11218.D J072007T.M Thu Sep 06 15:46:57 2007

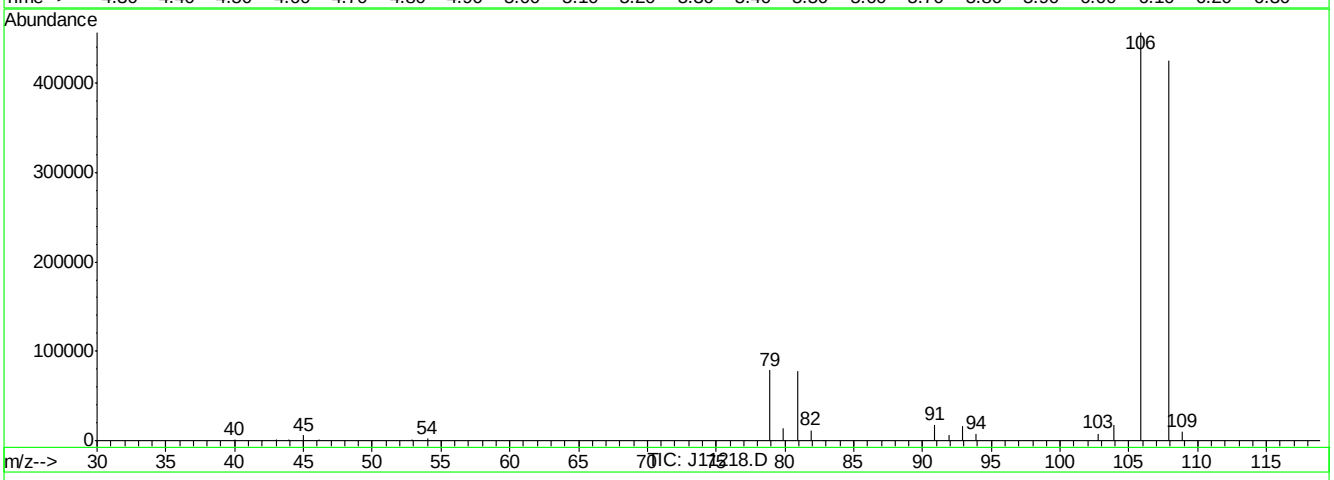
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11218.D Vial: 2
Acq On : 6 Sep 2007 3:18 pm Operator: PhilipB
Sample : IC589-40 (M065) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 06 15:46:33 2007 Results File: J072007T.RES

Method : C:\MSDCHEM\1\METHODS\J072007T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Sep 06 15:37:11 2007
Response via : Multiple Level Calibration





(16) ETHANOL (m)

5.38min 2.32PPBV

response 8119

Ion	Exp%	Act%
45.00	100	100
46.00	34.00	25.36
42.00	9.40	9.82
0.00	0.00	0.00

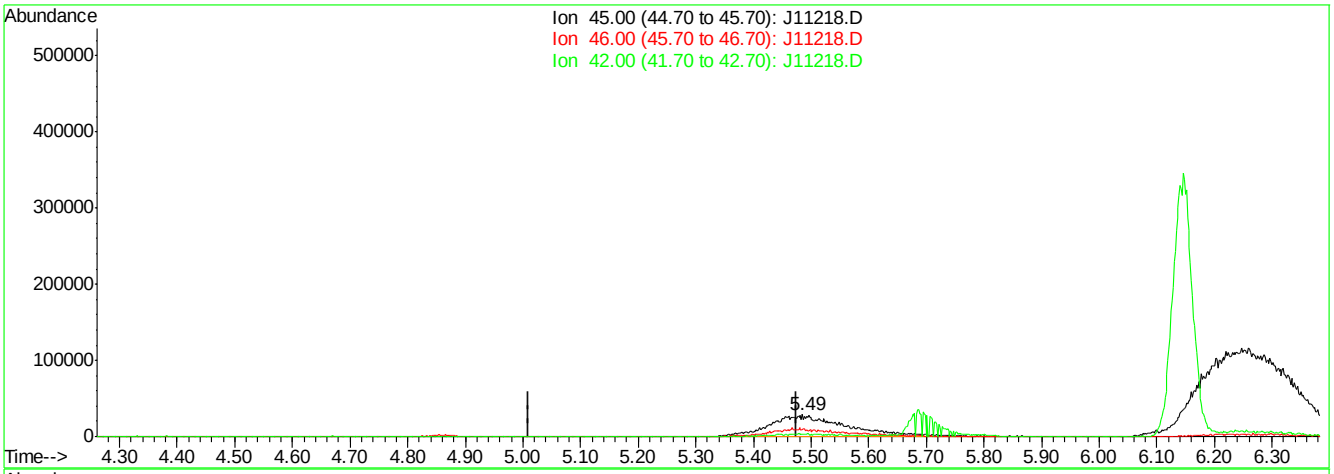
J11218.D J072007T.M Thu Sep 06 15:47:03 2007

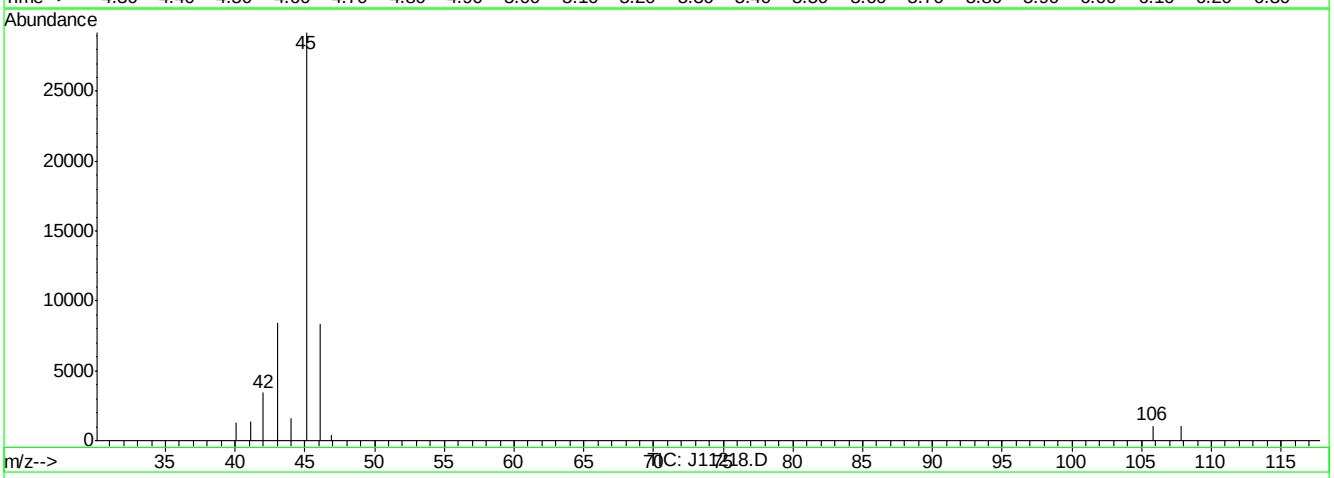
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11218.D Vial: 2
Acq On : 6 Sep 2007 3:18 pm Operator: PhilipB
Sample : IC589-40 (M065) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 06 15:46:33 2007 Results File: J072007T.RES

Method : C:\MSDCHEM\1\METHODS\J072007T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Sep 06 15:37:11 2007
Response via : Multiple Level Calibration





(16) ETHANOL (m)

5.49min 75.66PPBV m

response 264293

Ion	Exp%	Act%
45.00	100	100
46.00	34.00	0.78#
42.00	9.40	0.30
0.00	0.00	0.00

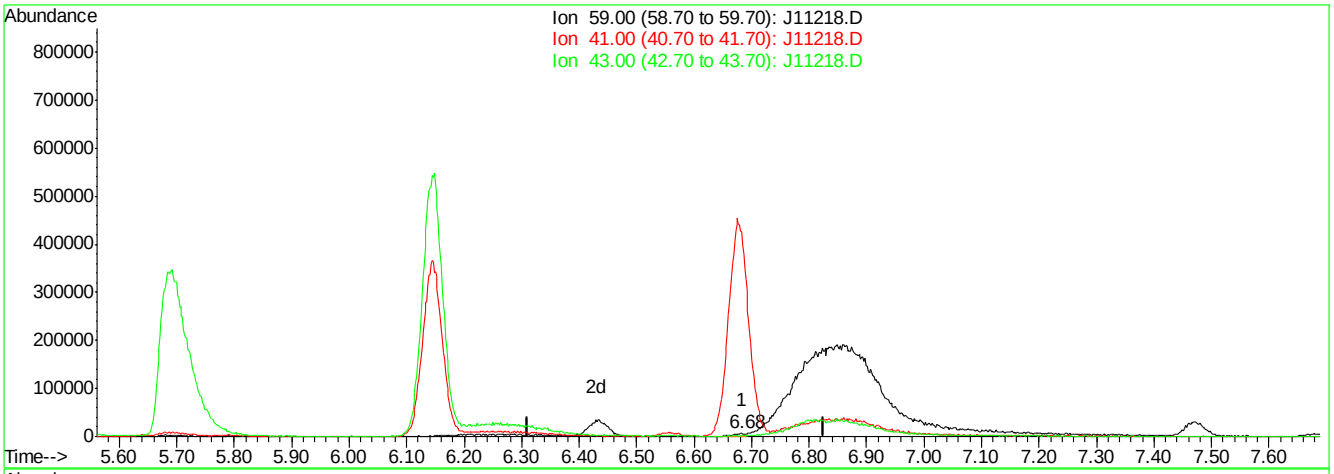
J11218.D J072007T.M Thu Sep 06 15:47:06 2007

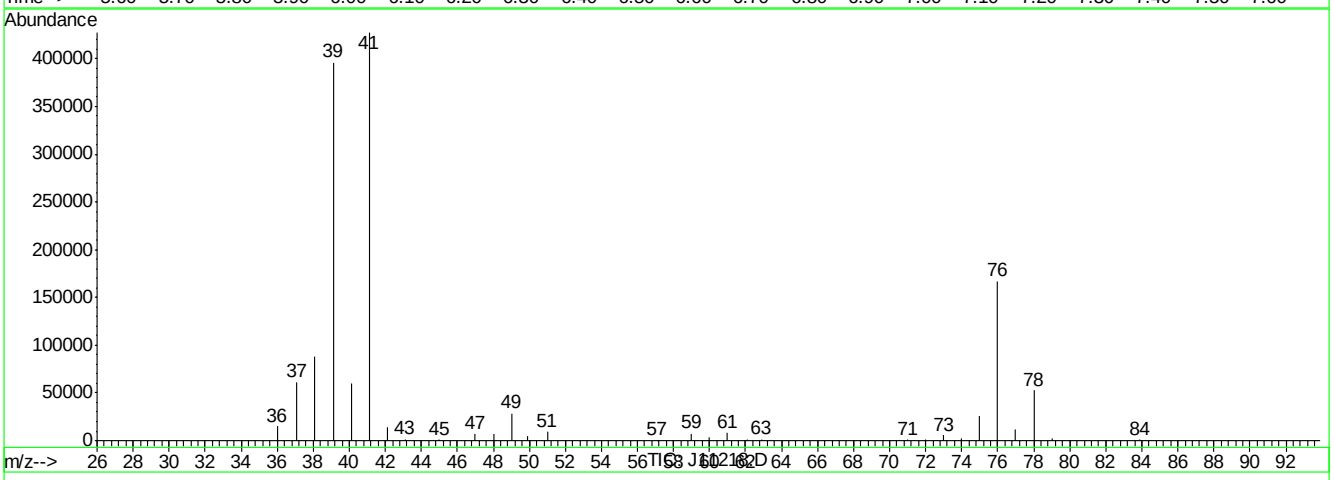
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11218.D Vial: 2
Acq On : 6 Sep 2007 3:18 pm Operator: PhilipB
Sample : IC589-40 (M065) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 06 15:46:33 2007 Results File: J072007T.RES

Method : C:\MSDCHEM\1\METHODS\J072007T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Sep 06 15:37:11 2007
Response via : Multiple Level Calibration





(22) TERTIARY BUTYL ALCOHOL (m)

6.68min 0.35PPBV

response 9784

Ion	Exp%	Act%
59.00	100	100
41.00	23.80	11212.44#
43.00	18.40	8.06
0.00	0.00	0.00

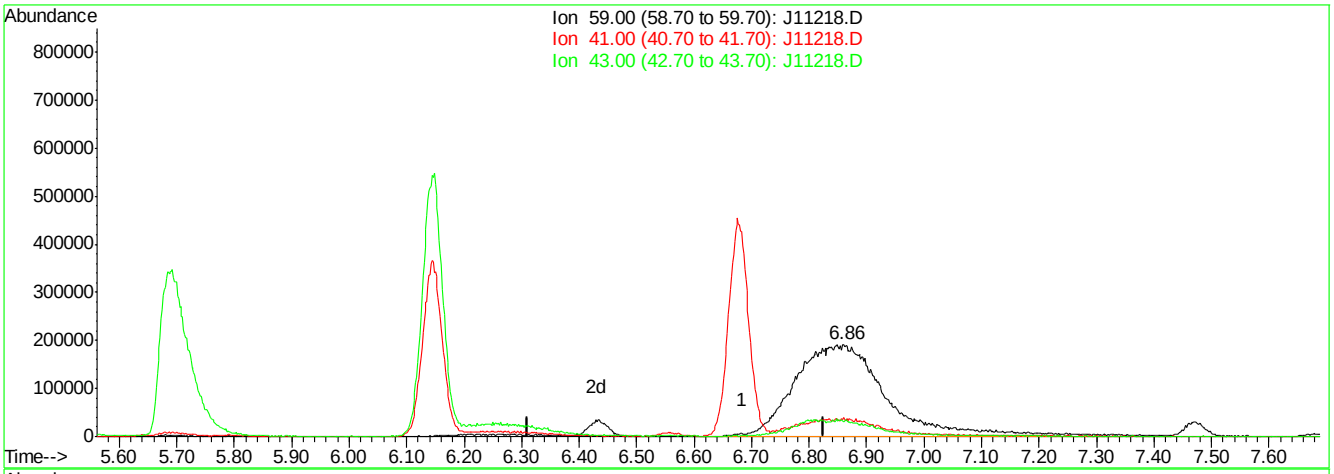
J11218.D J072007T.M Thu Sep 06 15:47:12 2007

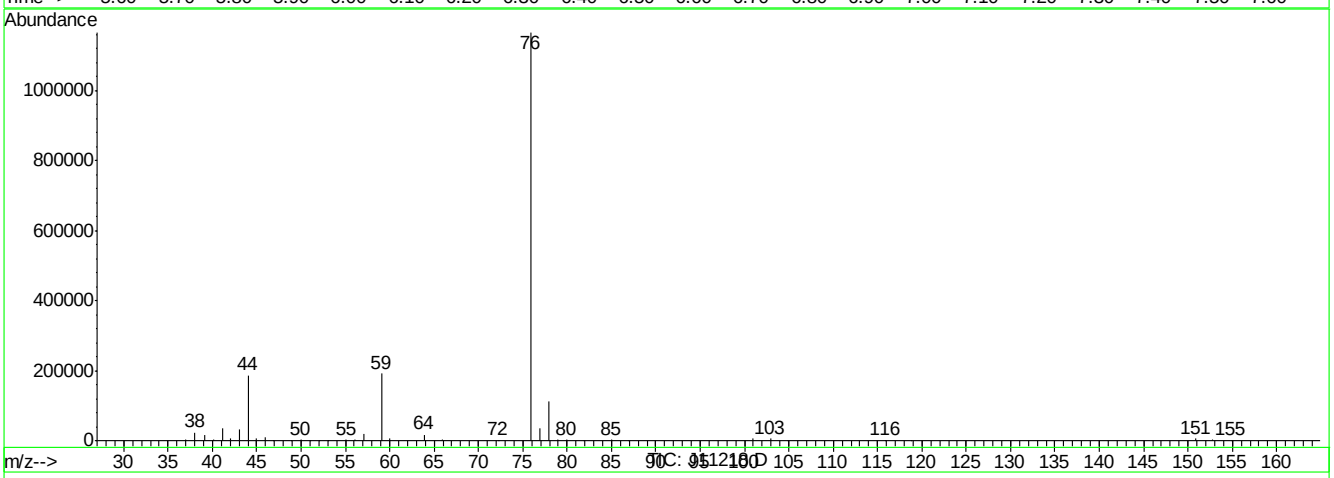
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11218.D Vial: 2
Acq On : 6 Sep 2007 3:18 pm Operator: PhilipB
Sample : IC589-40 (M065) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 06 15:46:33 2007 Results File: J072007T.RES

Method : C:\MSDCHEM\1\METHODS\J072007T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Sep 06 15:37:11 2007
Response via : Multiple Level Calibration





(22) TERTIARY BUTYL ALCOHOL (m)

6.86min 76.83PPBV m

response 2131805

Ion	Exp%	Act%
59.00	100	100
41.00	23.80	51.46#
43.00	18.40	0.04
0.00	0.00	0.00

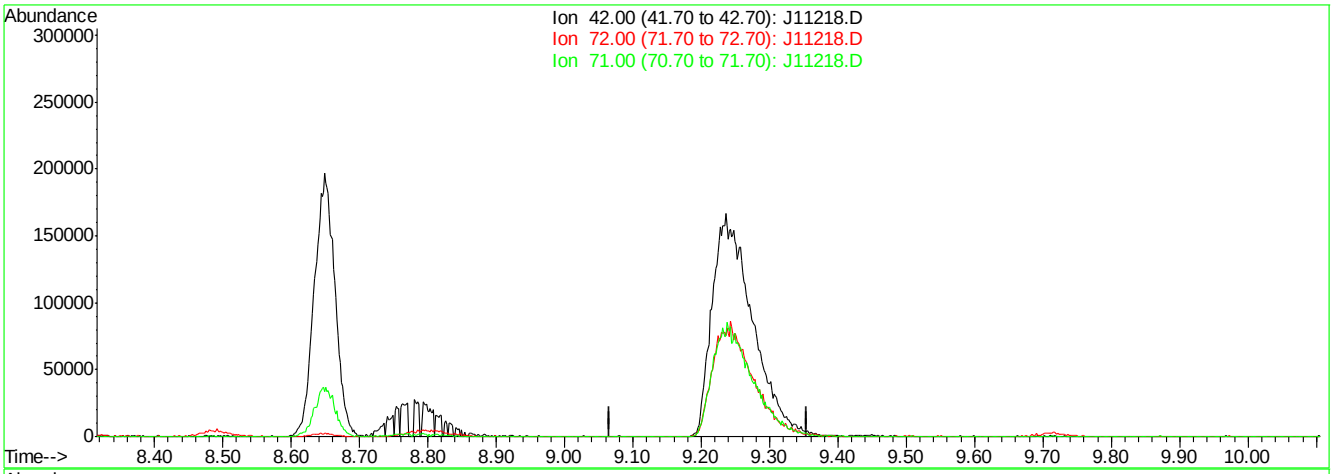
J11218.D J072007T.M Thu Sep 06 15:47:16 2007

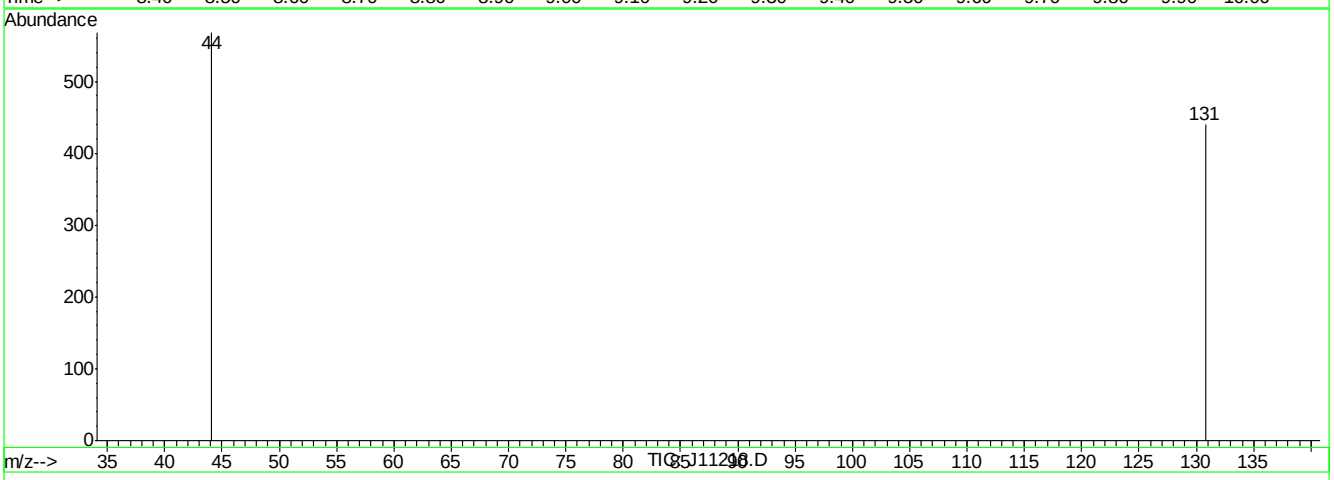
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11218.D Vial: 2
Acq On : 6 Sep 2007 3:18 pm Operator: PhilipB
Sample : IC589-40 (M065) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 06 15:46:33 2007 Results File: J072007T.RES

Method : C:\MSDCHEM\1\METHODS\J072007T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Sep 06 15:37:11 2007
Response via : Multiple Level Calibration





(24) TETRAHYDROFURAN (m)

9.17min 0.00PPBV

response 0

Ion	Exp%	Act%
42.00	100	0.00
72.00	45.60	0.00#
71.00	46.90	0.00#
0.00	0.00	0.00

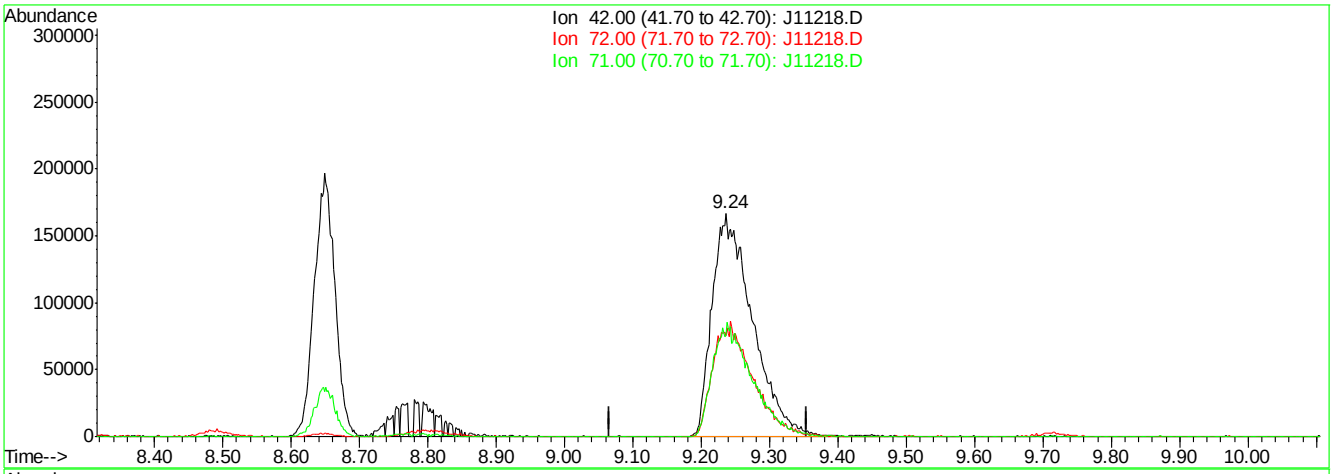
J11218.D J072007T.M Thu Sep 06 15:47:19 2007

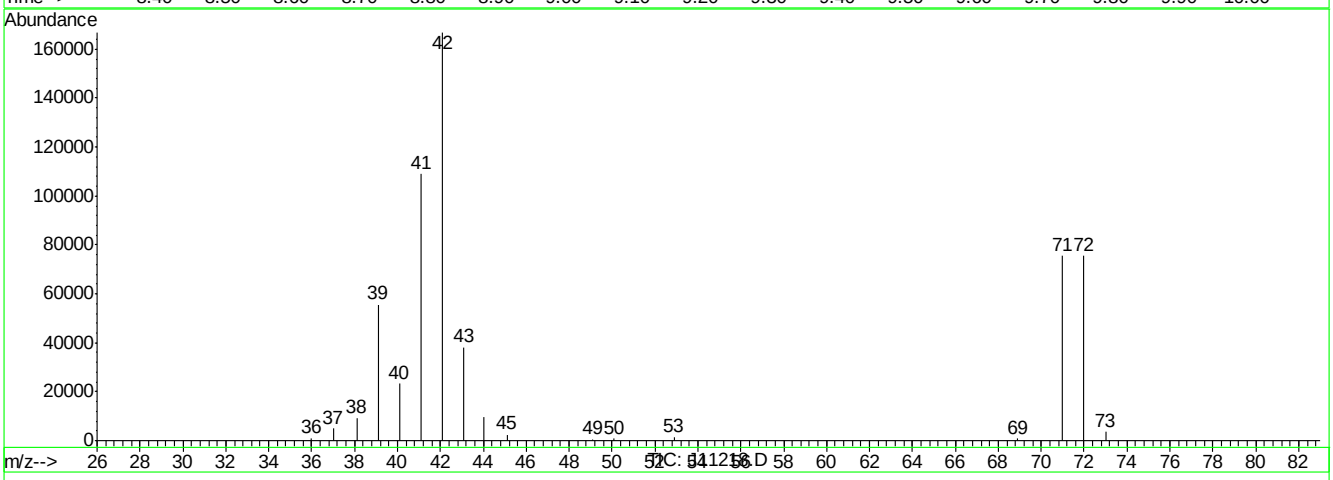
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11218.D Vial: 2
Acq On : 6 Sep 2007 3:18 pm Operator: PhilipB
Sample : IC589-40 (M065) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 06 15:46:33 2007 Results File: J072007T.RES

Method : C:\MSDCHEM\1\METHODS\J072007T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Sep 06 15:37:11 2007
Response via : Multiple Level Calibration





(24) TETRAHYDROFURAN (m)

9.24min 51.34PPBV m

response 683096

Ion	Exp%	Act%
42.00	100	100
72.00	45.60	0.00#
71.00	46.90	0.00#
0.00	0.00	0.00

J11218.D J072007T.M Thu Sep 06 15:47:24 2007

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
09/07/07 12:11

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J11220.D
Acq On : 6 Sep 2007 5:06 pm
Operator : PhilipB
Sample : ICC589-10 (M065)
Misc : MS14204, MSJ589,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 07 10:56:00 2007
Quant Method : C:\MSDCHEM\1\METHODS\J090607T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Sep 06 15:48:24 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.63	128	215342	10.00	PPBV	0.02
35) 1,4-DIFLUOROBENZENE	10.46	114	981161	10.00	PPBV	0.03
49) CHLOROBENZENE-D5	14.69	117	753838	10.00	PPBV	0.01

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.31	95	190296	4.59	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 91.80%

Target Compounds							Qvalue
2) DICHLORODIFLUOROMETHANE	4.07	85	1099805	11.85	PPBV		98
3) PROPYLENE	4.00	41	162183	11.90	PPBV		94
4) FREON 114	4.33	85	892438	11.20	PPBV		100
5) CHLOROMETHANE	4.23	50	205033	11.92	PPBV		98
6) VINYL CHLORIDE	4.45	62	260153	11.74	PPBV	#	52
7) 1,3-BUTADIENE	4.58	39	180720	11.06	PPBV		99
8) BROMOMETHANE	4.86	94	296208	11.43	PPBV		99
9) CHLOROETHANE	5.03	64	108820	10.28	PPBV		98
10) TRICHLOROFLUOROMETHANE	5.80	101	1110619	11.21	PPBV		100
11) ISOPROPYL ALCOHOL	6.07	45	281391	9.63	PPBV		90
12) ACETONE	5.68	43	281229	10.67	PPBV		94
13) PENTANE	6.14	42	205761	11.44	PPBV		89
14) 1,1-DICHLOROETHYLENE	6.42	96	265970	10.81	PPBV		93
15) CARBON DISULFIDE	6.85	76	752963	11.37	PPBV		99
16) ETHANOL	5.33	45	62388m	10.75	PPBV		
17) BROMOETHENE	5.38	106	285228	10.85	PPBV		97
18) METHYLENE CHLORIDE	6.55	84	215849	10.06	PPBV		93
19) 3-CHLOROPROPENE	6.66	39	243466	10.73	PPBV		98
20) FREON 113	6.79	151	498756	10.05	PPBV		92
21) TRANS-1,2-DICHLOROETHYLENE	7.46	96	245277	9.96	PPBV		97
22) TERTIARY BUTYL ALCOHOL	6.67	59	398825	8.52	PPBV	#	32
23) METHYL TERTIARY BUTYL ETHE	7.75	73	617148	10.11	PPBV		96
24) TETRAHYDROFURAN	9.21	42	151454	10.10	PPBV		94
25) HEXANE	8.64	57	268713	10.13	PPBV		96
26) VINYL ACETATE	7.82	43	373688	9.22	PPBV		96
27) 1,1-DICHLOROETHANE	7.66	63	416973	9.72	PPBV		99
28) METHYL ETHYL KETONE	8.12	43	310047	10.49	PPBV		99
29) cis-1,2-DICHLOROETHYLENE	8.47	96	232109	9.37	PPBV		94
30) ETHYL ACETATE	8.73	43	298379	10.04	PPBV		99
31) CHLOROFORM	8.77	83	605830	9.92	PPBV		99
32) 1,1,1-TRICHLOROETHANE	9.69	97	710714	9.35	PPBV		97
33) CARBON TETRACHLORIDE	10.27	117	842288	9.75	PPBV		100
34) 1,2-DICHLOROETHANE	9.47	62	376284	10.14	PPBV		99
36) BENZENE	10.13	78	555423	9.15	PPBV		99
37) CYCLOHEXANE	10.37	84	286697	9.84	PPBV		91
38) TRICHLOROETHYLENE	11.13	95	304244	9.51	PPBV		95
39) 1,2-DICHLOROPROPANE	10.92	63	175962	8.94	PPBV		87
40) BROMODICHLOROMETHANE	11.11	83	607530	9.40	PPBV		100
41) 2,2,4-TRIMETHYLPENTANE	11.13	57	844198	8.46	PPBV		95
42) 1,4-DIOXANE	11.22	88	113261	9.61	PPBV		85
43) HEPTANE	11.37	43	284736	9.11	PPBV		95

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J11220.D
Acq On : 6 Sep 2007 5:06 pm
Operator : PhilipB
Sample : ICC589-10 (M065)
Misc : MS14204, MSJ589,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 07 10:56:00 2007
Quant Method : C:\MSDCHEM\1\METHODS\J090607T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Sep 06 15:48:24 2007
Response via : Initial Calibration

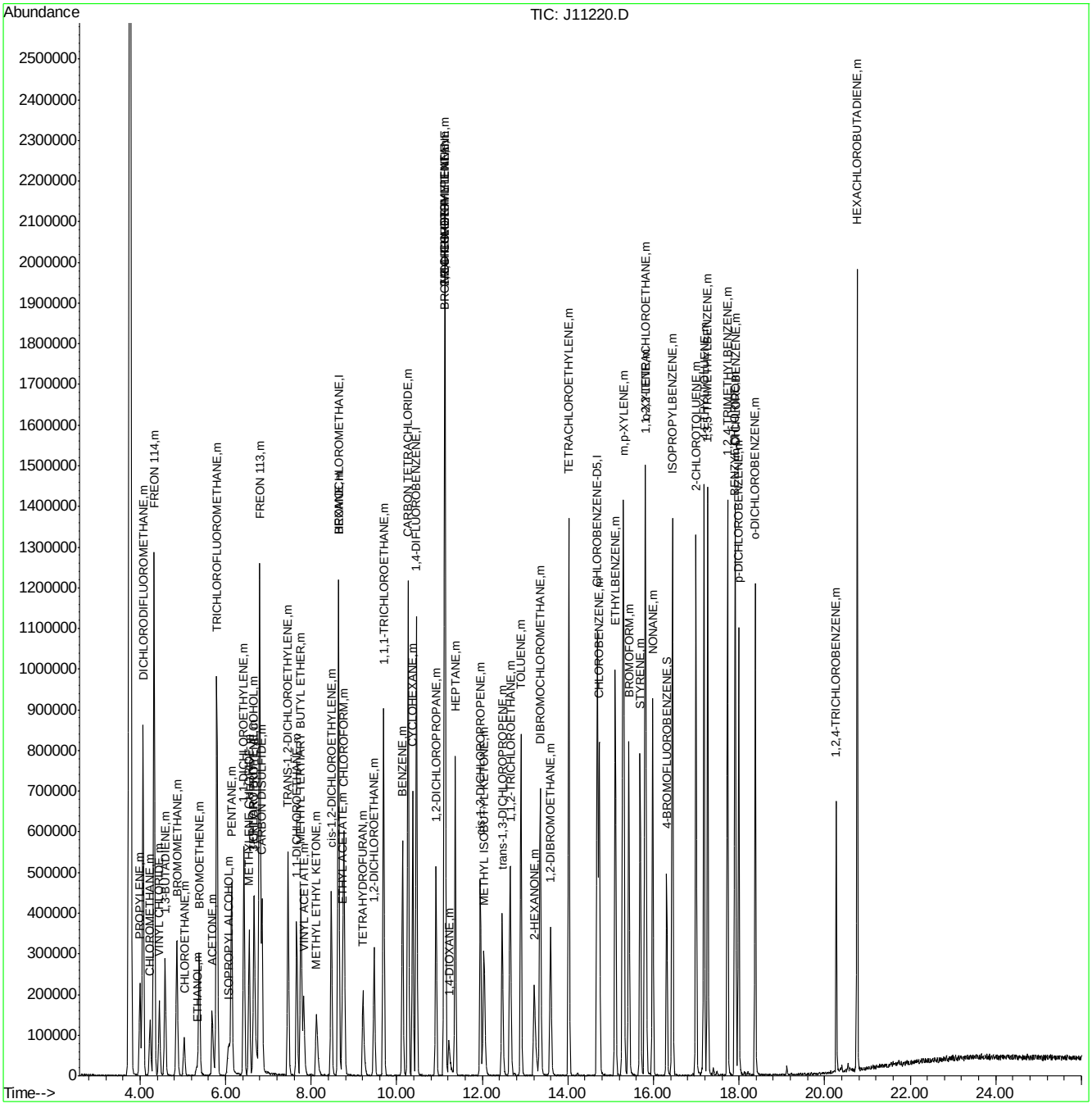
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) METHYL ISOBUTYL KETONE	12.04	43	338859	8.91	PPBV		98
45) cis-1,3-DICHLOROPROPENE	11.95	75	315661	9.51	PPBV		98
46) TOLUENE	12.90	92	394954	8.60	PPBV		99
47) trans-1,3-DICHLOROPROPENE	12.46	75	316192	8.95	PPBV		95
48) 1,1,2-TRICHLOROETHANE	12.65	83	191172	8.91	PPBV		99
50) 2-HEXANONE	13.21	43	297440	10.10	PPBV		98
51) TETRACHLOROETHYLENE	14.02	164	308401	9.26	PPBV		92
52) DIBROMOCHLOROMETHANE	13.35	129	559085	10.31	PPBV		99
53) 1,2-DIBROMOETHANE	13.60	107	363618	10.20	PPBV		100
54) CHLOROBENZENE	14.73	112	523170	9.73	PPBV		95
55) ETHYLBENZENE	15.11	91	895711	9.43	PPBV		98
56) m,p-XYLENE	15.30	106	688473	18.58	PPBV	#	86
57) o-XYLENE	15.80	106	354178	9.47	PPBV		91
58) STYRENE	15.69	104	460321	8.93	PPBV		95
59) NONANE	15.99	43	349354	9.41	PPBV		94
60) BROMOFORM	15.42	173	481513	8.83	PPBV		96
62) 1,1,2,2-TETRACHLOROETHANE	15.82	83	453690	9.00	PPBV		99
63) ISOPROPYLBENZENE	16.44	105	1081621	9.45	PPBV		98
64) 2-CHLOROTOLUENE	17.00	91	779754	9.31	PPBV		98
65) 4-ETHYLTOLUENE	17.18	105	961505	8.61	PPBV	#	98
66) 1,3,5-TRIMETHYLBENZENE	17.27	105	854642	8.90	PPBV		95
67) 1,2,4-TRIMETHYLBENZENE	17.73	105	794211	8.70	PPBV		95
68) m-DICHLOROBENZENE	17.91	146	479796	8.49	PPBV		98
69) BENZYL CHLORIDE	17.90	91	499921	8.38	PPBV		99
70) p-DICHLOROBENZENE	17.99	146	445665	8.69	PPBV		98
71) o-DICHLOROBENZENE	18.38	146	461824	8.53	PPBV		98
72) HEXACHLOROBUTADIENE	20.76	225	303790	9.21	PPBV		99
73) 1,2,4-TRICHLOROBENZENE	20.27	180	171511	10.17	PPBV		95

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J11220.D
Acq On : 6 Sep 2007 5:06 pm
Operator : PhilipB
Sample : ICC589-10 (M065)
Misc : MS14204, MSJ589,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 07 10:56:00 2007
Quant Method : C:\MSDCHEM\1\METHODS\J090607T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Sep 06 15:48:24 2007
Response via : Initial Calibration

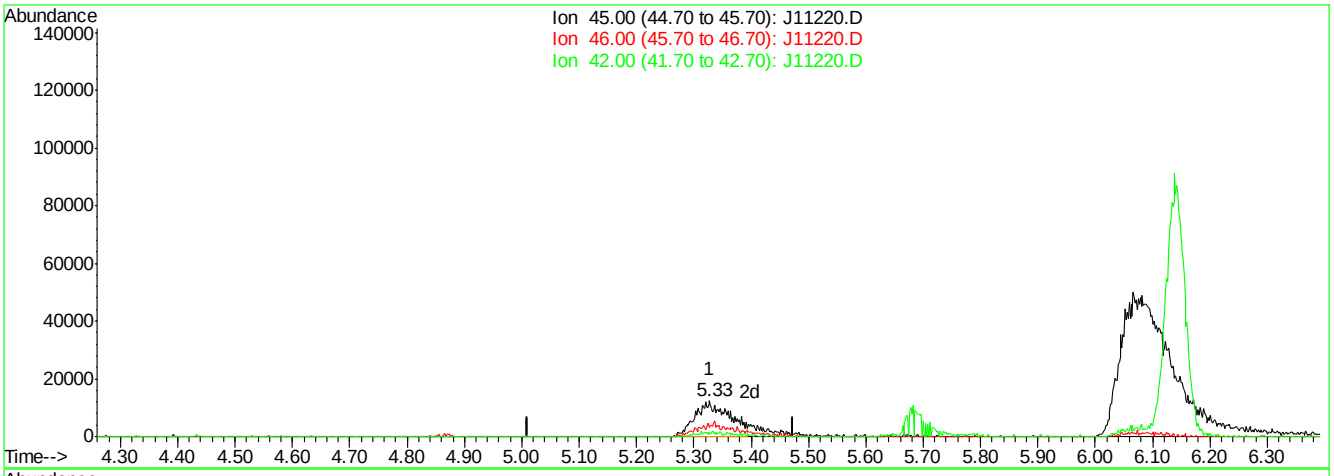


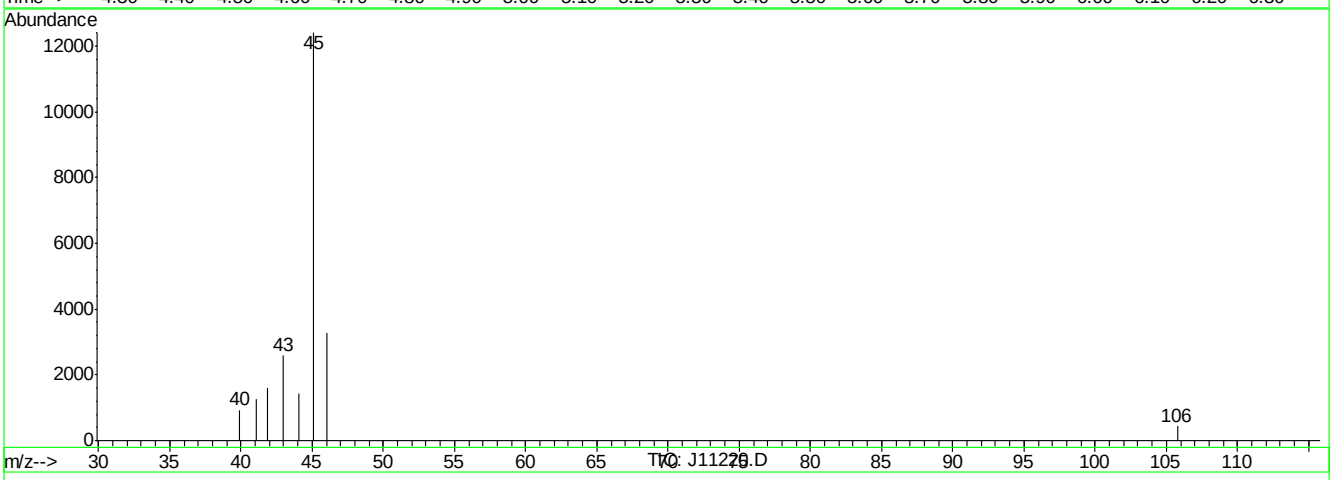
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11220.D Vial: 2
Acq On : 6 Sep 2007 5:06 pm Operator: PhilipB
Sample : ICC589-10 (M065) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 10:55:07 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Sep 06 15:48:24 2007
Response via : Multiple Level Calibration





(16) ETHANOL (m)

5.33min 8.61PPBV

response 49983

Ion	Exp%	Act%
45.00	100	100
46.00	34.00	39.09
42.00	9.40	1.54
0.00	0.00	0.00

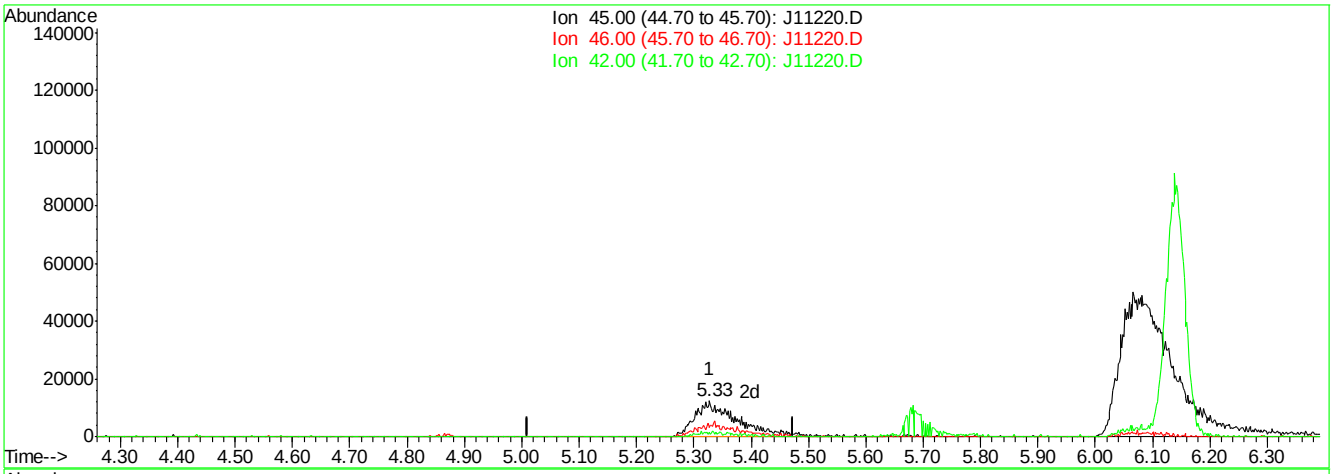
J11220.D J090607T.M Fri Sep 07 10:55:26 2007

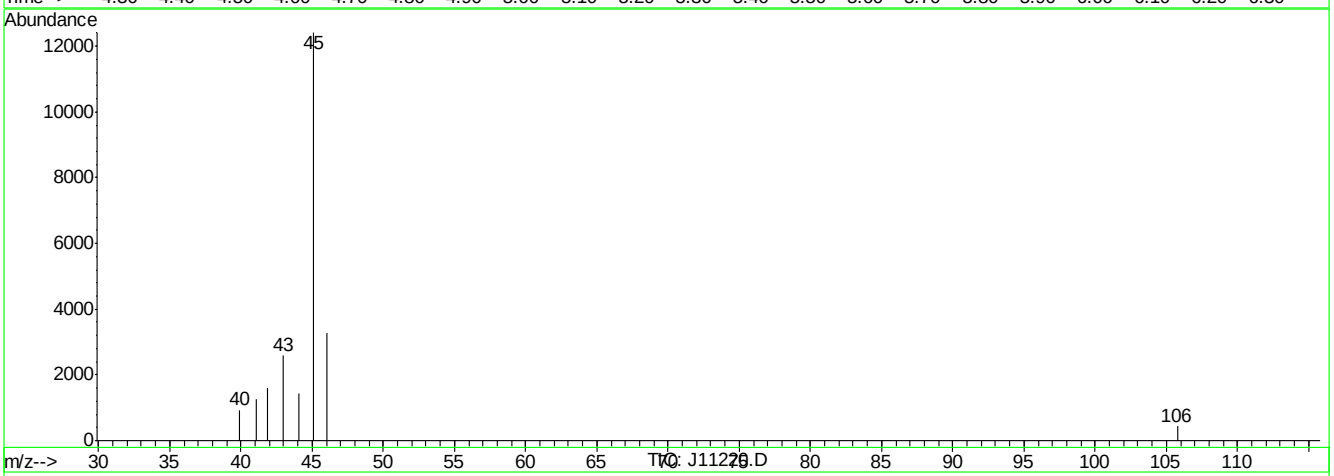
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11220.D Vial: 2
Acq On : 6 Sep 2007 5:06 pm Operator: PhilipB
Sample : ICC589-10 (M065) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 10:55:07 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Sep 06 15:48:24 2007
Response via : Multiple Level Calibration





(16) ETHANOL (m)

5.33min 10.75PPBV m

response 62388

Ion	Exp%	Act%
45.00	100	100
46.00	34.00	31.32
42.00	9.40	1.23
0.00	0.00	0.00

J11220.D J090607T.M Fri Sep 07 10:55:29 2007

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
09/07/07 12:11

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J11221.D
Acq On : 6 Sep 2007 5:54 pm
Operator : PhilipB
Sample : IC589-20 (M065)
Misc : MS14204, MSJ589,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 07 10:57:39 2007
Quant Method : C:\MSDCHEM\1\METHODS\J090607T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Sep 07 10:56:12 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.65	128	245475	10.00	PPBV	0.03
35) 1,4-DIFLUOROBENZENE	10.47	114	1047986	10.00	PPBV	0.04
49) CHLOROBENZENE-D5	14.70	117	853453	10.00	PPBV	0.03

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.32	95	245436	5.38	PPBV	0.03

Spiked Amount 5.000 Range 51 - 142 Recovery = 107.60%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.07	85	2006936	17.36	PPBV	98
3) PROPYLENE	4.00	41	276464	16.25	PPBV	89
4) FREON 114	4.33	85	1569584	16.30	PPBV	98
5) CHLOROMETHANE	4.24	50	342267	15.93	PPBV	98
6) VINYL CHLORIDE	4.45	62	434003	15.81	PPBV	99
7) 1,3-BUTADIENE	4.59	39	332477	16.95	PPBV	96
8) BROMOMETHANE	4.86	94	506430	16.00	PPBV	100
9) CHLOROETHANE	5.04	64	210065	17.16	PPBV	99
10) TRICHLOROFLUOROMETHANE	5.80	101	2074737	17.32	PPBV	100
11) ISOPROPYL ALCOHOL	6.12	45	553904m	16.95	PPBV	
12) ACETONE	5.68	43	501211	16.14	PPBV	92
13) PENTANE	6.14	42	357956	16.29	PPBV	87
14) 1,1-DICHLOROETHYLENE	6.43	96	478087	16.38	PPBV	88
15) CARBON DISULFIDE	6.85	76	1311752	16.26	PPBV	99
16) ETHANOL	5.36	45	104720m	15.26	PPBV	
17) BROMOETHENE	5.39	106	498892	15.97	PPBV	97
18) METHYLENE CHLORIDE	6.56	84	422217	17.21	PPBV	95
19) 3-CHLOROPROPENE	6.67	39	512814	19.13	PPBV	97
20) FREON 113	6.80	151	935360	16.49	PPBV	91
21) TRANS-1,2-DICHLOROETHYLENE	7.46	96	470652	16.80	PPBV	95
22) TERTIARY BUTYL ALCOHOL	6.72	59	897864m	18.17	PPBV	
23) METHYL TERTIARY BUTYL ETHE	7.76	73	1121978	16.04	PPBV	95
24) TETRAHYDROFURAN	9.21	42	264367	15.39	PPBV	95
25) HEXANE	8.64	57	493761	16.23	PPBV	95
26) VINYL ACETATE	7.83	43	707581	15.94	PPBV	97
27) 1,1-DICHLOROETHANE	7.67	63	817553	16.96	PPBV	99
28) METHYL ETHYL KETONE	8.14	43	552303	16.00	PPBV	98
29) cis-1,2-DICHLOROETHYLENE	8.47	96	452642	16.55	PPBV	94
30) ETHYL ACETATE	8.74	43	555447	16.37	PPBV	100
31) CHLOROFORM	8.78	83	1184026	17.08	PPBV	98
32) 1,1,1-TRICHLOROETHANE	9.70	97	1468168	17.51	PPBV	97
33) CARBON TETRACHLORIDE	10.27	117	1656311	17.04	PPBV	100
34) 1,2-DICHLOROETHANE	9.48	62	693196	16.27	PPBV	98
36) BENZENE	10.14	78	1029508	16.58	PPBV	99
37) CYCLOHEXANE	10.38	84	524718	17.00	PPBV	91
38) TRICHLOROETHYLENE	11.14	95	536819	16.11	PPBV	93
39) 1,2-DICHLOROPROPANE	10.93	63	334249	16.79	PPBV	86
40) BROMODICHLOROMETHANE	11.12	83	1118490	16.70	PPBV	100
41) 2,2,4-TRIMETHYLPENTANE	11.14	57	1745698	17.75	PPBV	96
42) 1,4-DIOXANE	11.23	88	202390	16.40	PPBV	95
43) HEPTANE	11.38	43	539080	16.90	PPBV	95

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J11221.D
Acq On : 6 Sep 2007 5:54 pm
Operator : PhilipB
Sample : IC589-20 (M065)
Misc : MS14204, MSJ589,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 07 10:57:39 2007
Quant Method : C:\MSDCHEM\1\METHODS\J090607T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Sep 07 10:56:12 2007
Response via : Initial Calibration

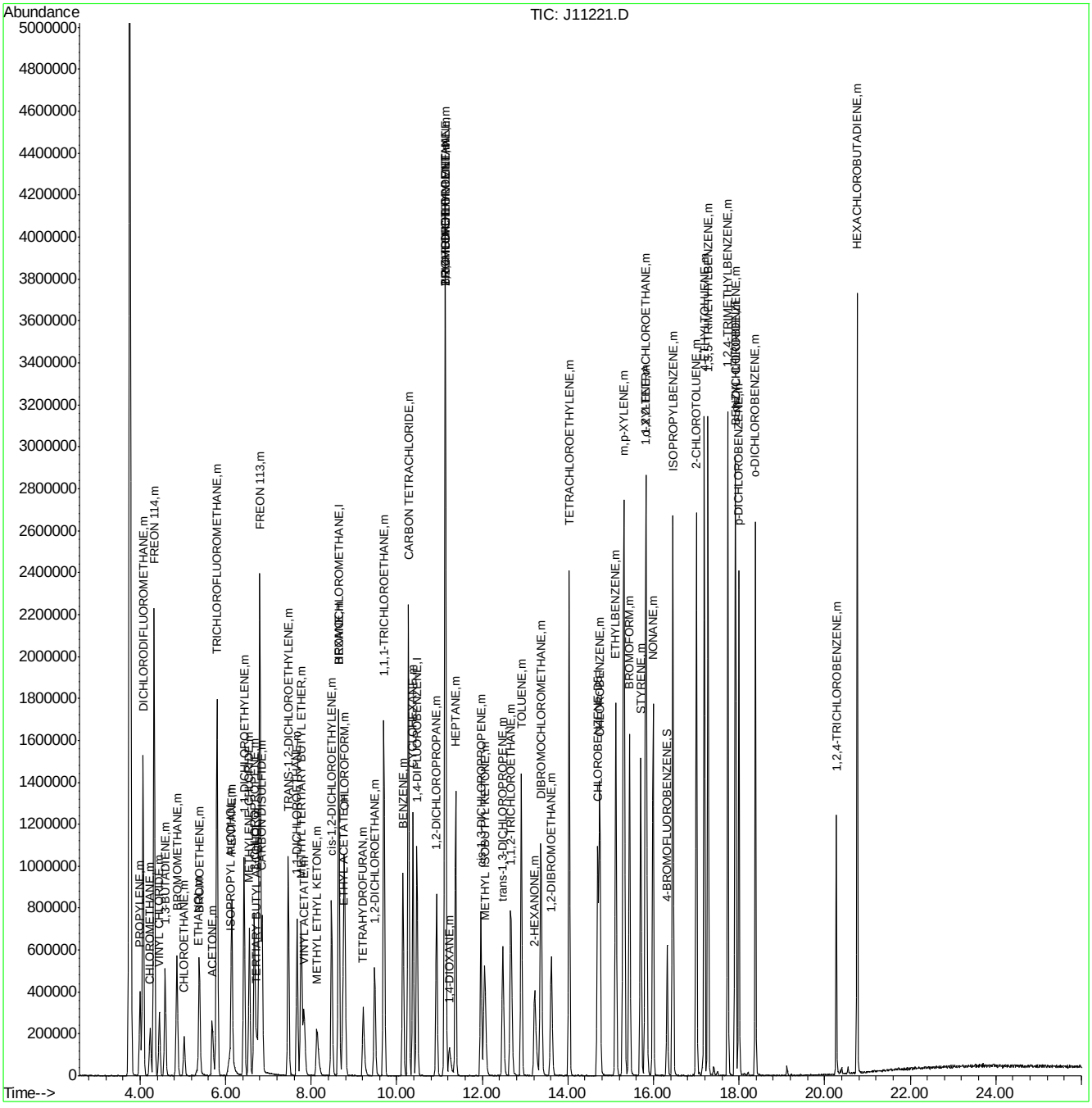
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) METHYL ISOBUTYL KETONE	12.06	43	675140	17.58	PPBV		98
45) cis-1,3-DICHLOROPROPENE	11.97	75	555514	16.06	PPBV		99
46) TOLUENE	12.91	92	751494	16.47	PPBV		99
47) trans-1,3-DICHLOROPROPENE	12.48	75	594112	16.62	PPBV		96
48) 1,1,2-TRICHLOROETHANE	12.66	83	360092	16.62	PPBV		98
50) 2-HEXANONE	13.22	43	589127	17.59	PPBV		97
51) TETRACHLOROETHYLENE	14.03	164	582238	16.03	PPBV		93
52) DIBROMOCHLOROMETHANE	13.37	129	1046220	16.78	PPBV		100
53) 1,2-DIBROMOETHANE	13.61	107	673731	16.53	PPBV		100
54) CHLOROBENZENE	14.75	112	985022	16.40	PPBV		96
55) ETHYLBENZENE	15.12	91	1756472	16.81	PPBV		98
56) m,p-XYLENE	15.31	106	1364764	33.73	PPBV	#	83
57) o-XYLENE	15.81	106	709604	17.21	PPBV		91
58) STYRENE	15.70	104	975254	17.65	PPBV		95
59) NONANE	15.99	43	734623	18.01	PPBV		94
60) BROMOFORM	15.44	173	1006062m	17.31	PPBV		
62) 1,1,2,2-TETRACHLOROETHANE	15.83	83	976560	18.01	PPBV		99
63) ISOPROPYLBENZENE	16.45	105	2240024	17.77	PPBV		98
64) 2-CHLOROTOLUENE	17.00	91	1660800	18.14	PPBV		97
65) 4-ETHYLTOLUENE	17.19	105	2162120m	18.37	PPBV		
66) 1,3,5-TRIMETHYLBENZENE	17.28	105	1875673	18.26	PPBV		95
67) 1,2,4-TRIMETHYLBENZENE	17.74	105	1765711	18.27	PPBV		95
68) m-DICHLOROBENZENE	17.92	146	1034075	17.48	PPBV		97
69) BENZYL CHLORIDE	17.91	91	1111924	17.91	PPBV		98
70) p-DICHLOROBENZENE	18.00	146	945032	17.41	PPBV		99
71) o-DICHLOROBENZENE	18.38	146	991106	17.46	PPBV		98
72) HEXACHLOROBUTADIENE	20.76	225	577198	16.09	PPBV		99
73) 1,2,4-TRICHLOROBENZENE	20.27	180	312266	16.22	PPBV		96

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J11221.D
Acq On : 6 Sep 2007 5:54 pm
Operator : PhilipB
Sample : IC589-20 (M065)
Misc : MS14204, MSJ589,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 07 10:57:39 2007
Quant Method : C:\MSDCHEM\1\METHODS\J090607T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Sep 07 10:56:12 2007
Response via : Initial Calibration



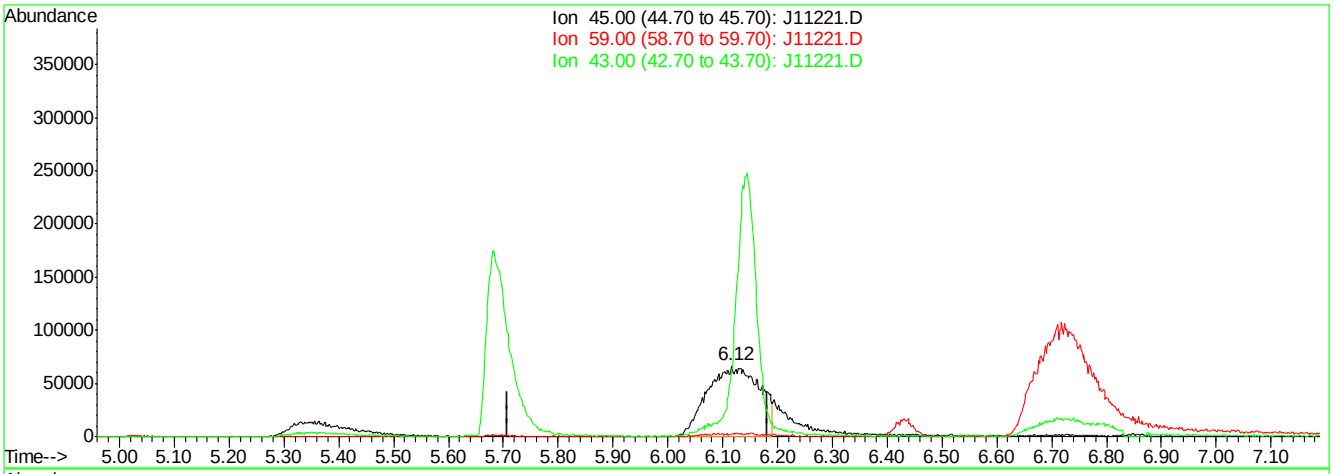
ACCUTEST Laboratories M67493

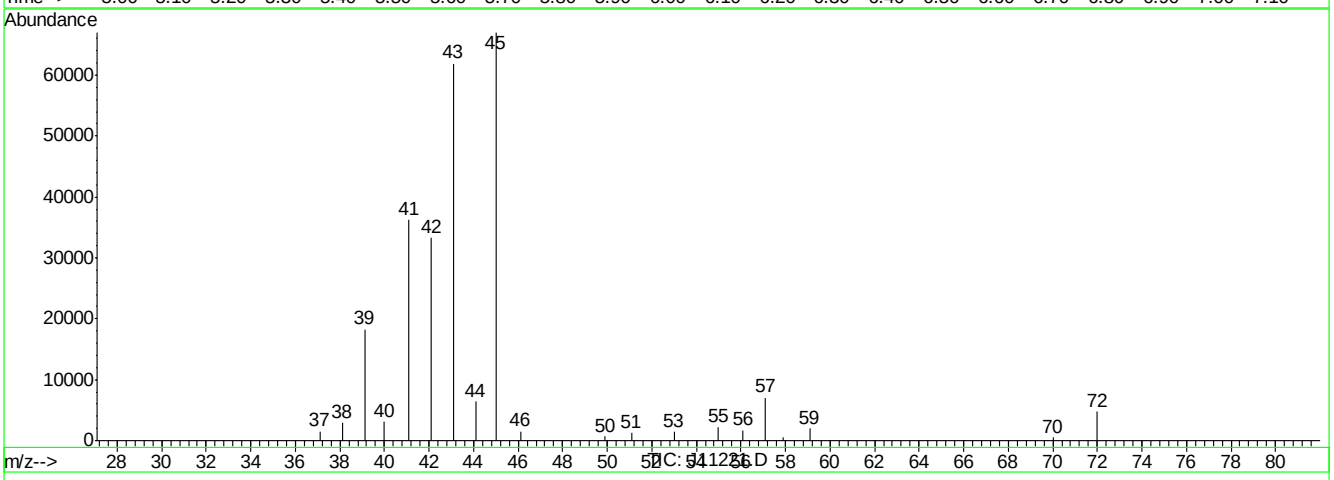
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11221.D Vial: 2
Acq On : 6 Sep 2007 5:54 pm Operator: PhilipB
Sample : IC589-20 (M065) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 10:56:19 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 10:56:12 2007
Response via : Multiple Level Calibration





(11) ISOPROPYL ALCOHOL (m)

6.12min 13.41PPBV

response 438317

Ion	Exp%	Act%
45.00	100	100
59.00	3.60	2.97
43.00	24.20	92.44#
0.00	0.00	0.00

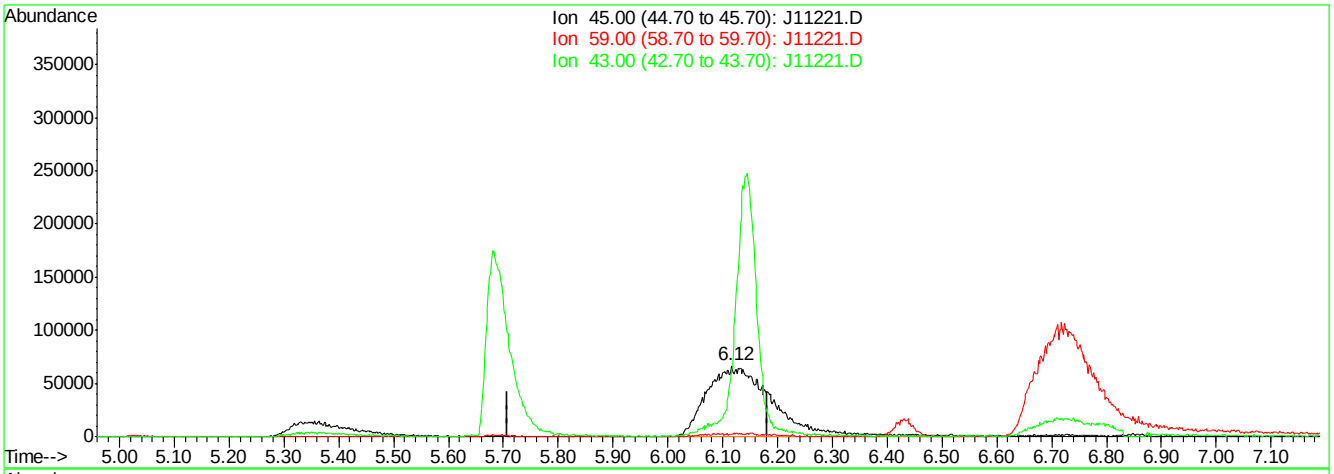
J11221.D J090607T.M Fri Sep 07 10:56:35 2007

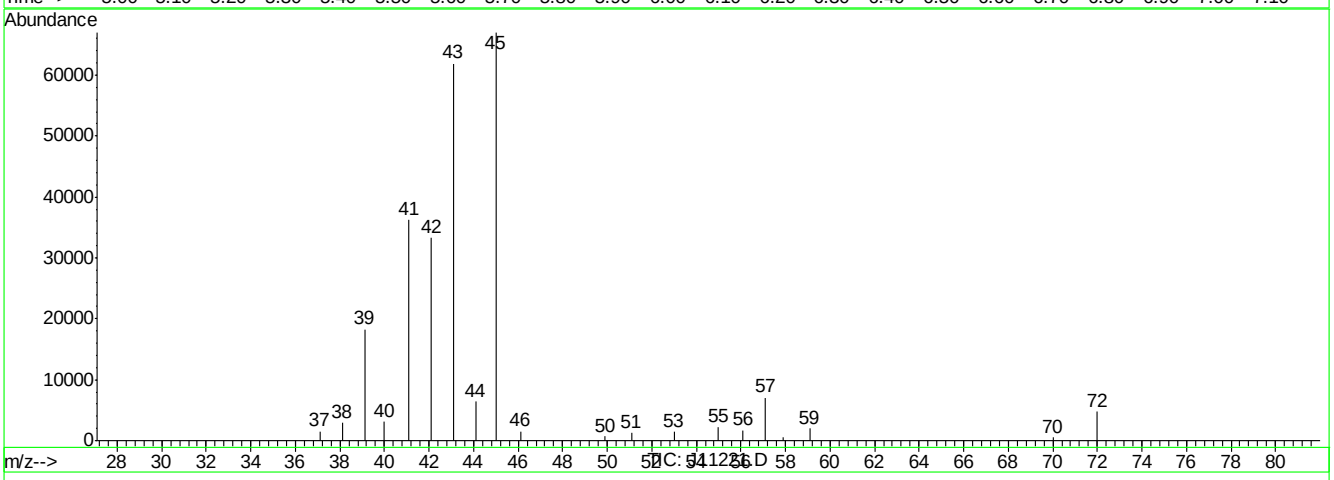
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11221.D Vial: 2
Acq On : 6 Sep 2007 5:54 pm Operator: PhilipB
Sample : IC589-20 (M065) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 10:56:19 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 10:56:12 2007
Response via : Multiple Level Calibration





(11) ISOPROPYL ALCOHOL (m)

6.12min 16.95PPBV m

response 553904

Ion	Exp%	Act%
45.00	100	100
59.00	3.60	2.97
43.00	24.20	92.44#
0.00	0.00	0.00

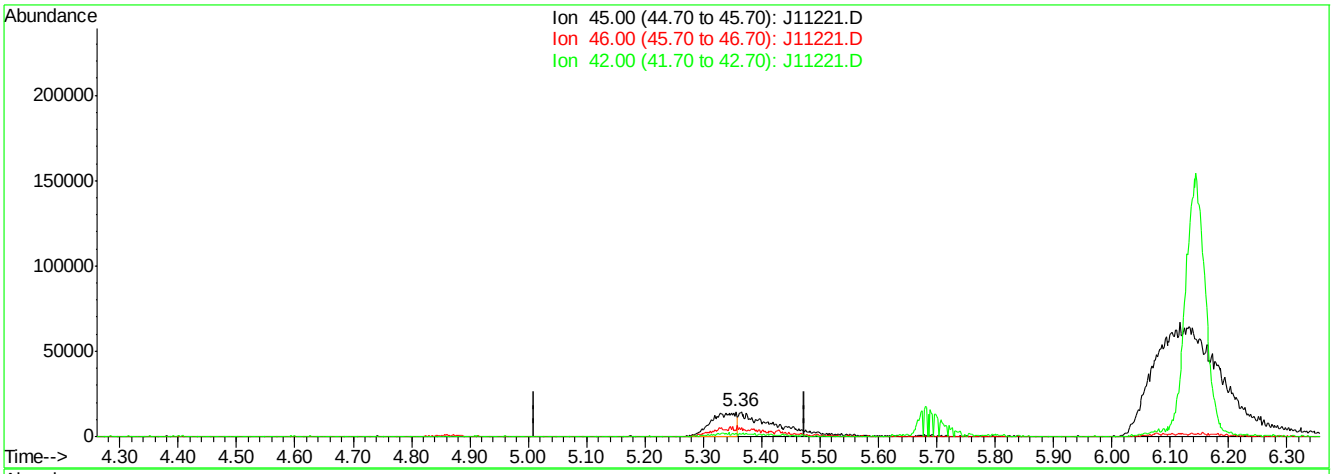
J11221.D J090607T.M Fri Sep 07 10:56:39 2007

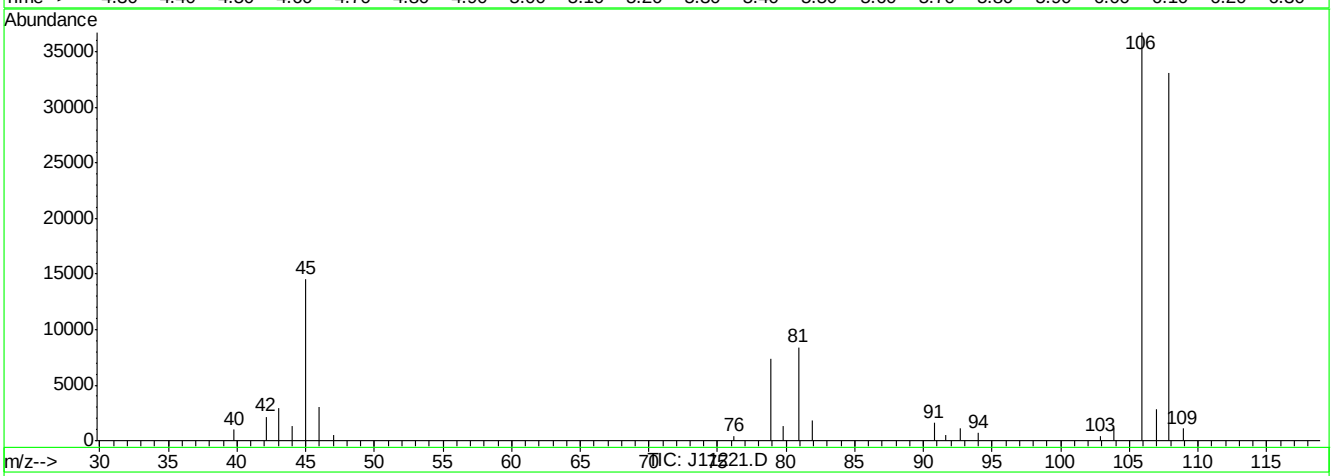
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11221.D Vial: 2
Acq On : 6 Sep 2007 5:54 pm Operator: PhilipB
Sample : IC589-20 (M065) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 10:56:19 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 10:56:12 2007
Response via : Multiple Level Calibration





(16) ETHANOL (m)

5.36min 6.05PPBV

response 41502

Ion	Exp%	Act%
45.00	100	100
46.00	34.00	10.06#
42.00	9.40	0.00
0.00	0.00	0.00

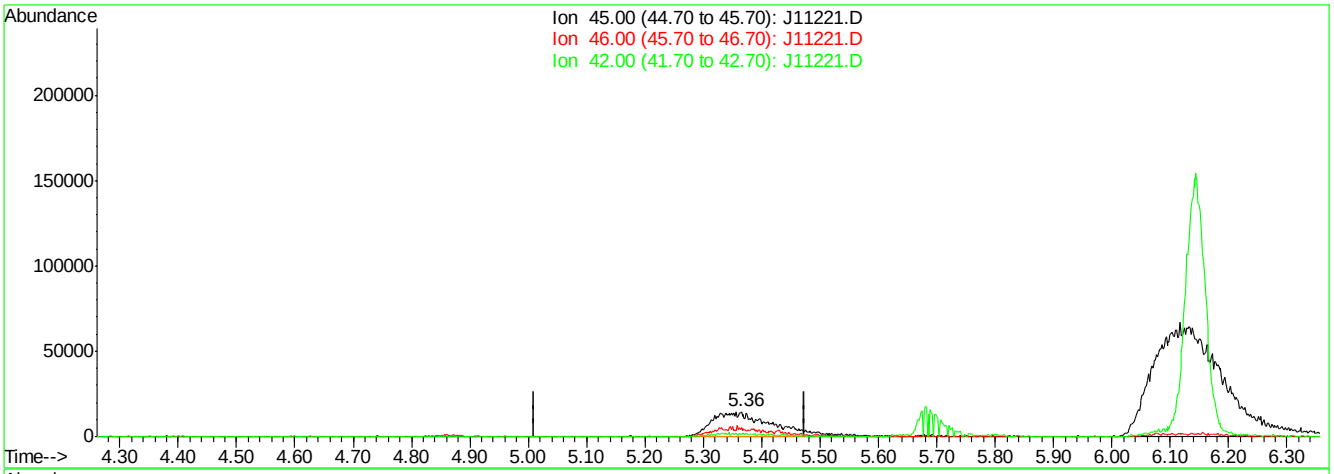
J11221.D J090607T.M Fri Sep 07 10:56:43 2007

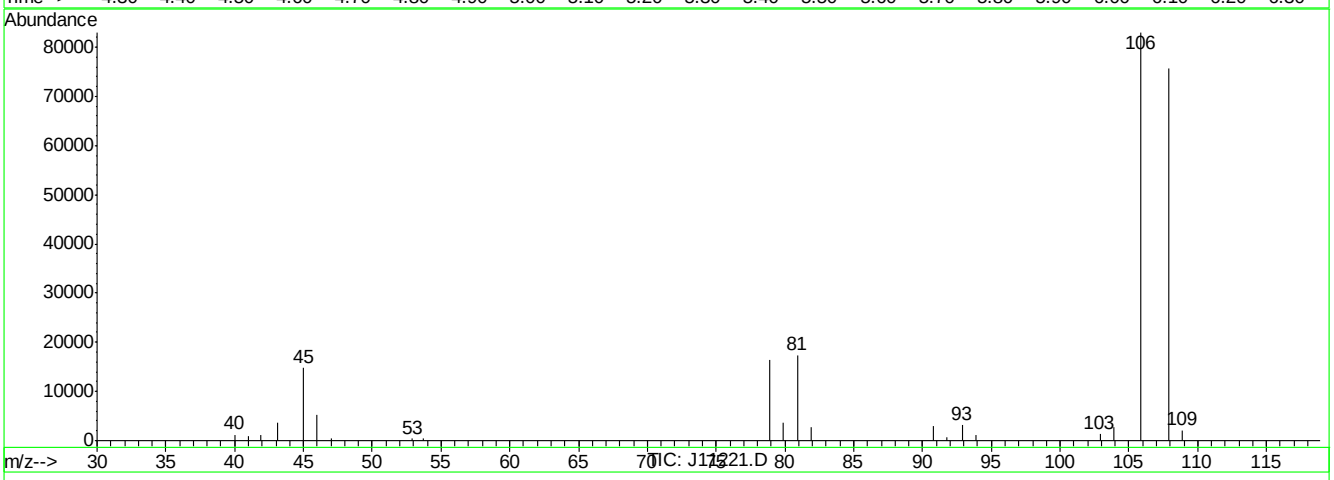
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11221.D Vial: 2
Acq On : 6 Sep 2007 5:54 pm Operator: PhilipB
Sample : IC589-20 (M065) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 10:56:19 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 10:56:12 2007
Response via : Multiple Level Calibration





(16) ETHANOL (m)

5.36min 15.26PPBV m

response 104720

Ion	Exp%	Act%
45.00	100	100
46.00	34.00	3.99#
42.00	9.40	0.00
0.00	0.00	0.00

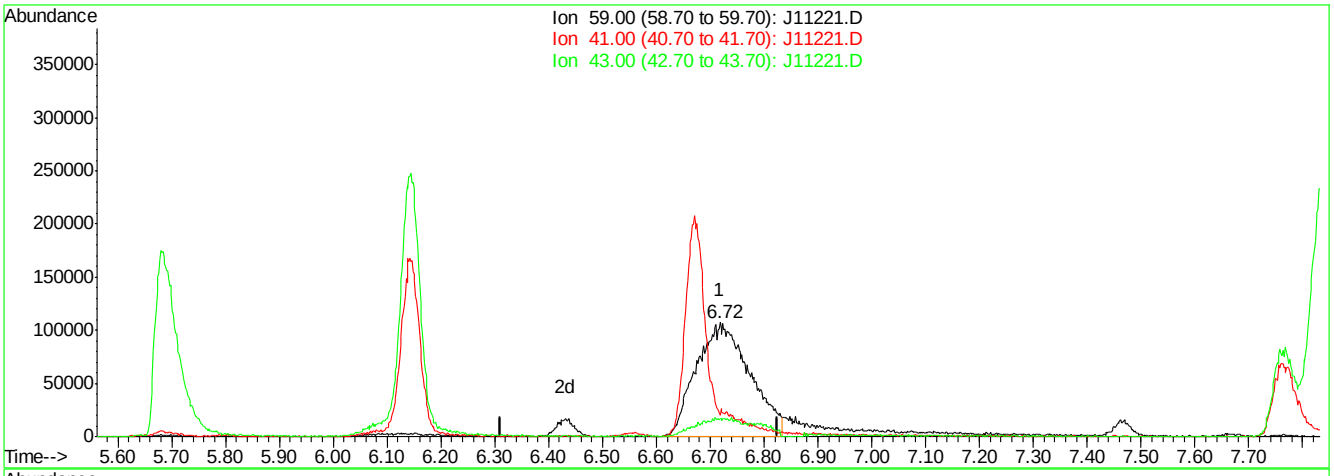
J11221.D J090607T.M Fri Sep 07 10:56:47 2007

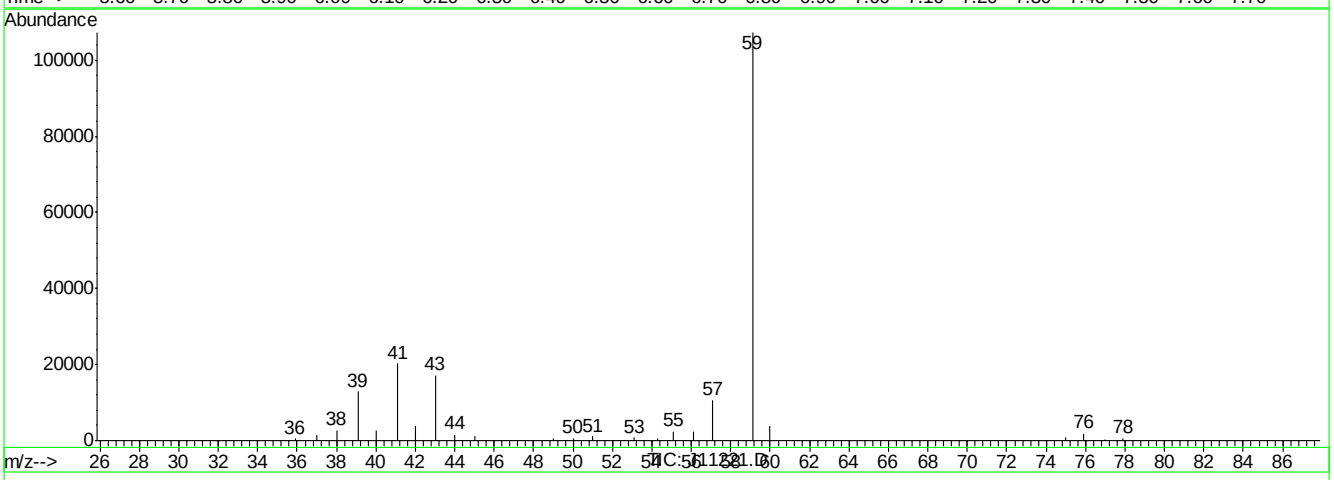
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11221.D Vial: 2
Acq On : 6 Sep 2007 5:54 pm Operator: PhilipB
Sample : IC589-20 (M065) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 10:56:19 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 10:56:12 2007
Response via : Multiple Level Calibration





(22) TERTIARY BUTYL ALCOHOL (m)

6.72min 14.94PPBV

response 738383

Ion	Exp%	Act%
59.00	100	100
41.00	23.80	0.00#
43.00	18.40	5.57
0.00	0.00	0.00

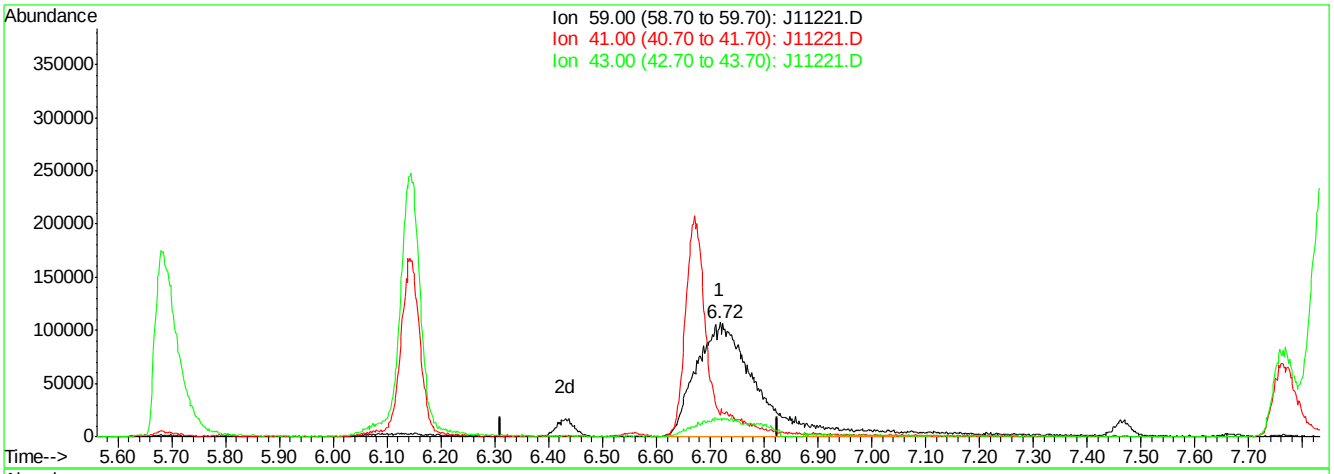
J11221.D J090607T.M Fri Sep 07 10:56:53 2007

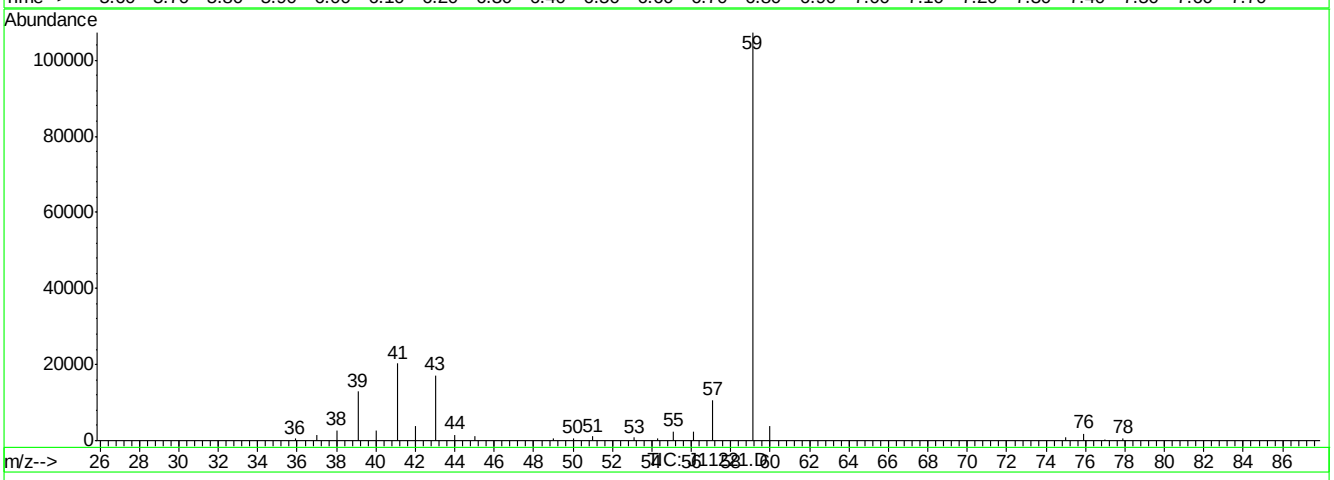
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11221.D Vial: 2
Acq On : 6 Sep 2007 5:54 pm Operator: PhilipB
Sample : IC589-20 (M065) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 10:56:19 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 10:56:12 2007
Response via : Multiple Level Calibration





(22) TERTIARY BUTYL ALCOHOL (m)

6.72min 18.17PPBV m

response 897864

Ion	Exp%	Act%
59.00	100	100
41.00	23.80	0.00#
43.00	18.40	4.58
0.00	0.00	0.00

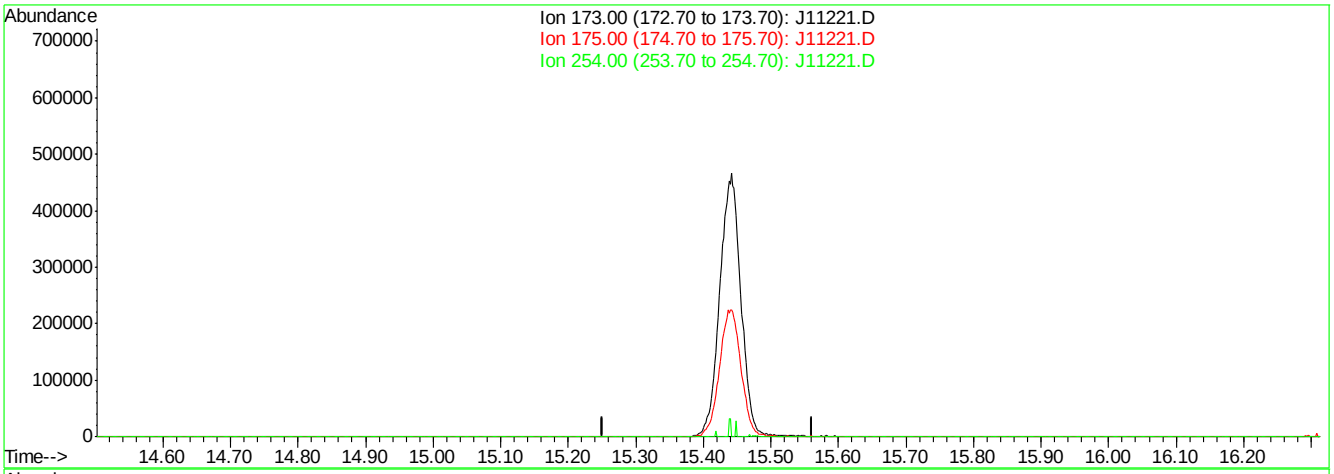
J11221.D J090607T.M Fri Sep 07 10:56:56 2007

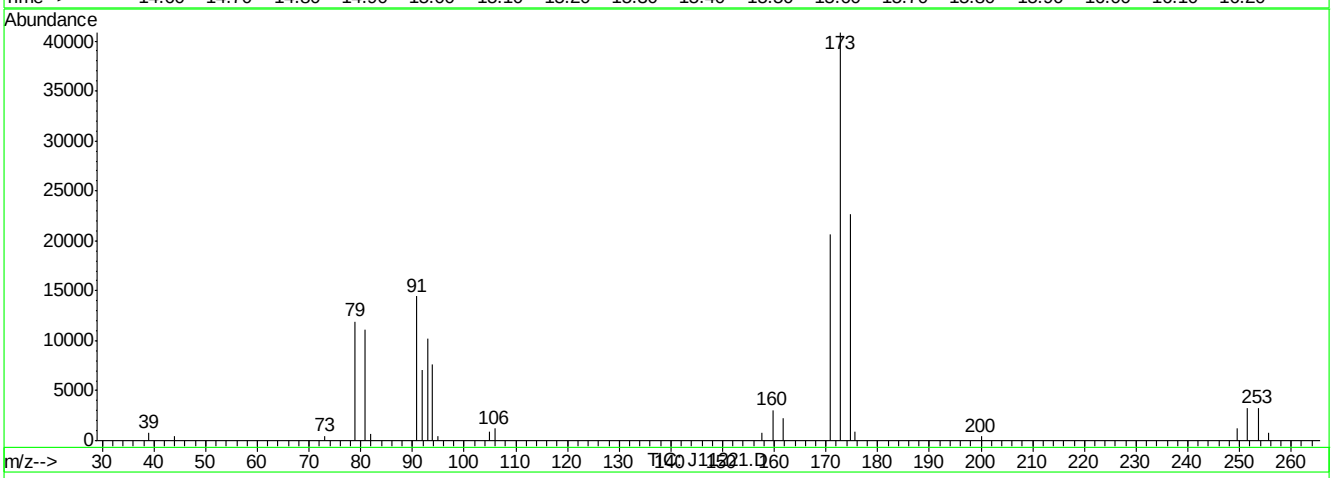
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11221.D Vial: 2
Acq On : 6 Sep 2007 5:54 pm Operator: PhilipB
Sample : IC589-20 (M065) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 10:56:19 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 10:56:12 2007
Response via : Multiple Level Calibration





(60) BROMOFORM (m)

15.41min 0.00PPBV

response 0

Ion	Exp%	Act%
173.00	100	0.00
175.00	48.70	0.00#
254.00	9.90	0.00
0.00	0.00	0.00

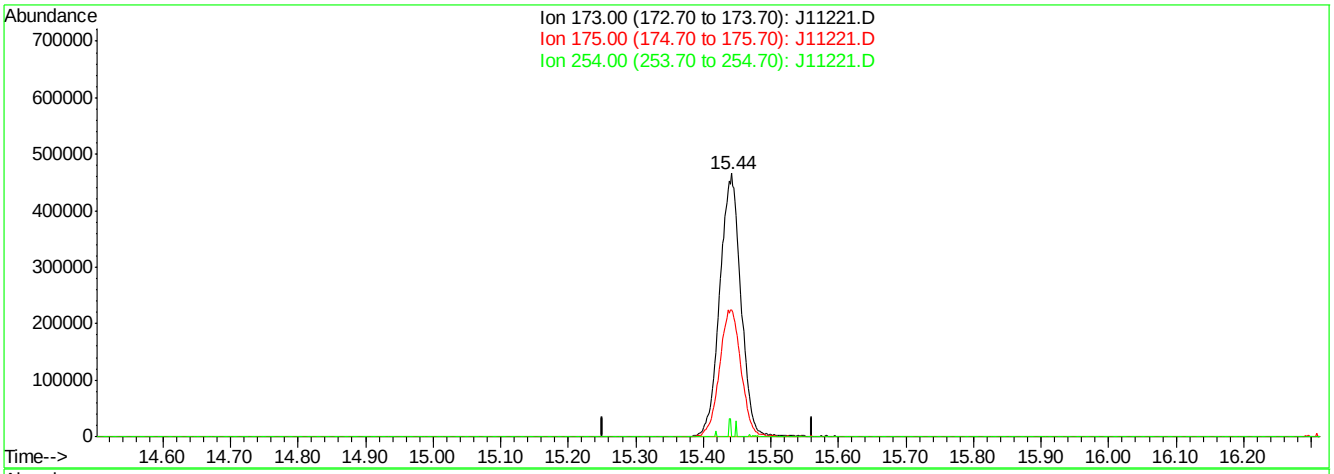
J11221.D J090607T.M Fri Sep 07 10:57:18 2007

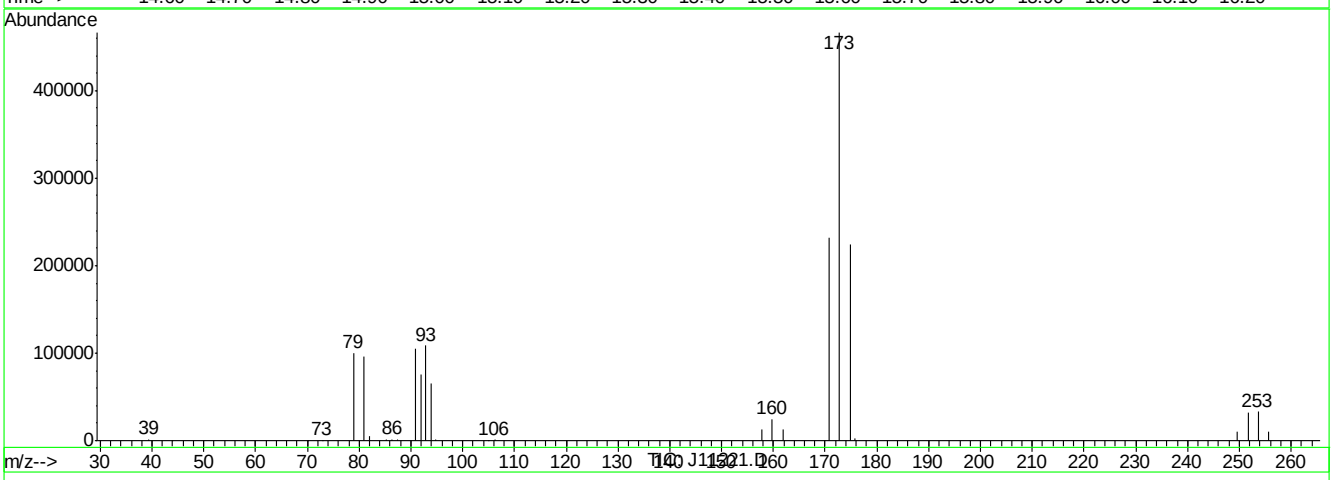
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11221.D Vial: 2
Acq On : 6 Sep 2007 5:54 pm Operator: PhilipB
Sample : IC589-20 (M065) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 10:56:19 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 10:56:12 2007
Response via : Multiple Level Calibration





(60) BROMOFORM (m)

15.44min 17.31PPBV m

response 1006062

Ion	Exp%	Act%
173.00	100	100
175.00	48.70	0.00#
254.00	9.90	0.00
0.00	0.00	0.00

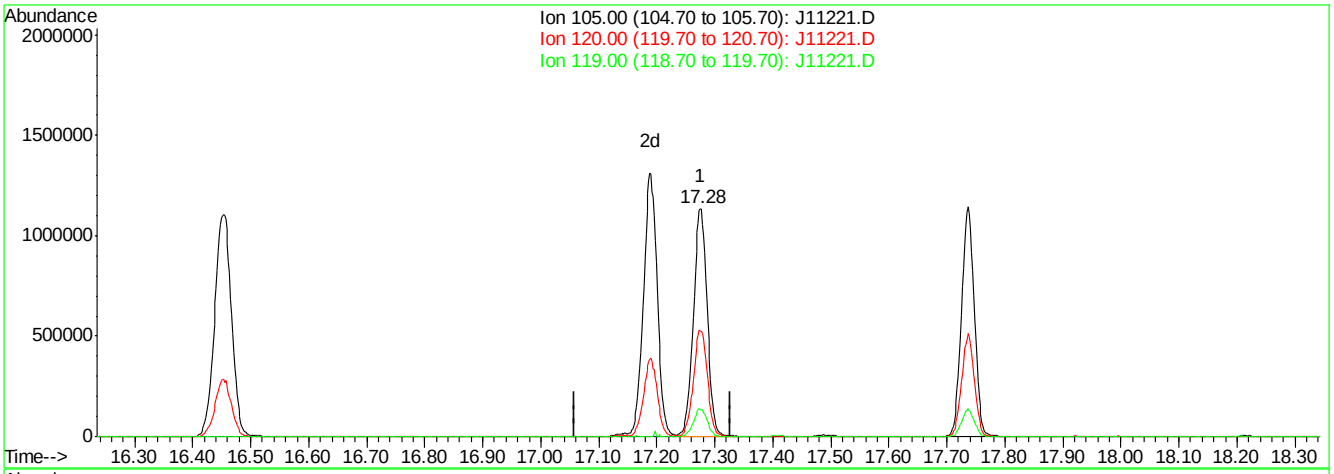
J11221.D J090607T.M Fri Sep 07 10:57:21 2007

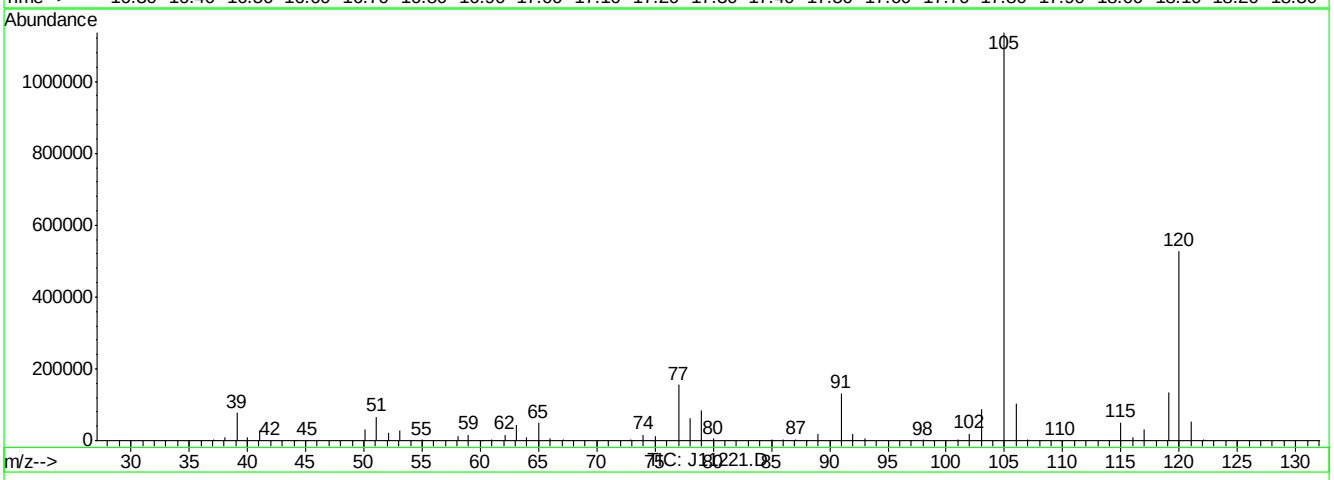
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11221.D Vial: 2
Acq On : 6 Sep 2007 5:54 pm Operator: PhilipB
Sample : IC589-20 (M065) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 10:56:19 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 10:56:12 2007
Response via : Multiple Level Calibration





(65) 4-ETHYLTOLUENE (m)

17.28min 15.87PPBV

response 1867439

Ion	Exp%	Act%
105.00	100	100
120.00	30.50	47.56
119.00	1.70	12.21
0.00	0.00	0.00

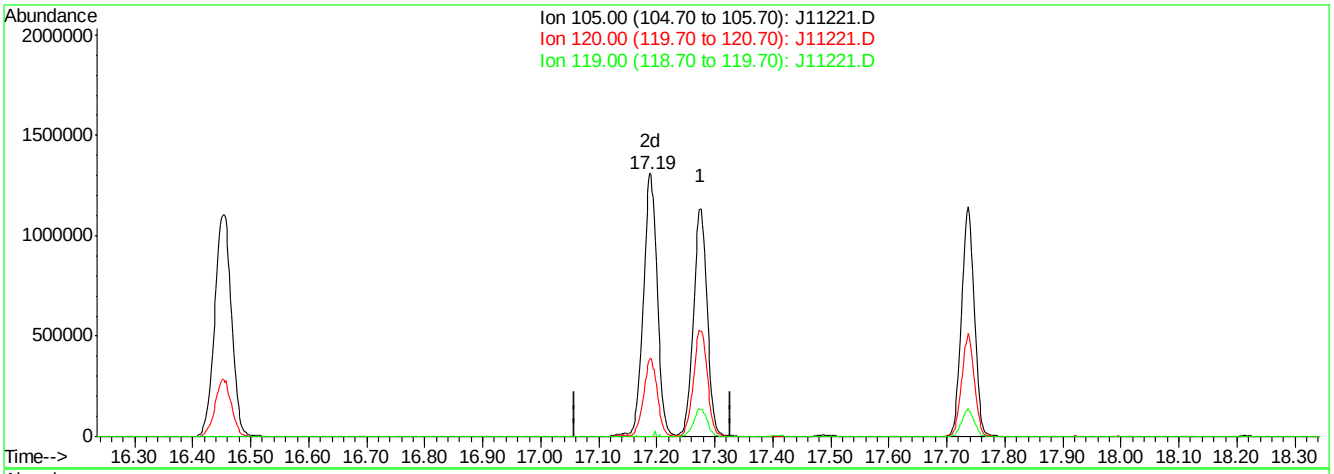
J11221.D J090607T.M Fri Sep 07 10:57:26 2007

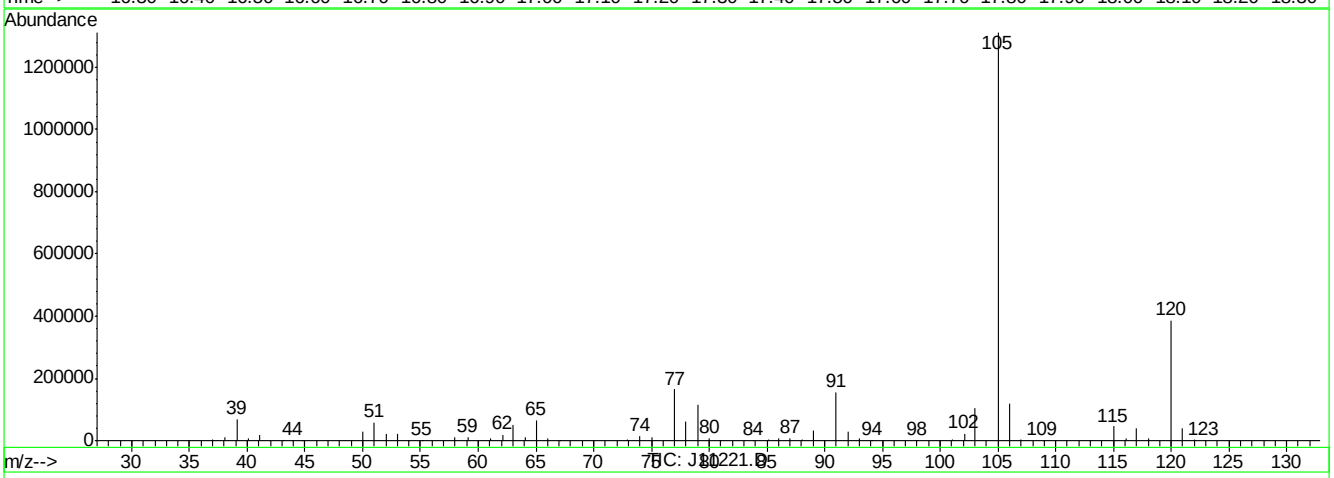
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11221.D Vial: 2
Acq On : 6 Sep 2007 5:54 pm Operator: PhilipB
Sample : IC589-20 (M065) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 10:56:19 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 10:56:12 2007
Response via : Multiple Level Calibration





(65) 4-ETHYLTOLUENE (m)

17.19min 18.37PPBV m

response 2162120

Ion	Exp%	Act%
105.00	100	100
120.00	30.50	41.08
119.00	1.70	10.54
0.00	0.00	0.00

J11221.D J090607T.M Fri Sep 07 10:57:33 2007

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
09/07/07 12:11

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J11222.D
Acq On : 6 Sep 2007 6:42 pm
Operator : PhilipB
Sample : IC589-5 (M065)
Misc : MS14204, MSJ589,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 07 10:58:43 2007
Quant Method : C:\MSDCHEM\1\METHODS\J090607T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Sep 07 10:57:50 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	231340	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.44	114	983378	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.67	117	702882	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.29	95	174823	4.57	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 91.40%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.07	85	531234	5.10	PPBV	99
3) PROPYLENE	4.00	41	71419	4.75	PPBV	86
4) FREON 114	4.32	85	405695	4.76	PPBV	99
5) CHLOROMETHANE	4.23	50	87918	4.66	PPBV	98
6) VINYL CHLORIDE	4.45	62	114862	4.77	PPBV	95
7) 1,3-BUTADIENE	4.58	39	81553	4.65	PPBV	96
8) BROMOMETHANE	4.86	94	128952	4.63	PPBV	97
9) CHLOROETHANE	5.02	64	48777	4.44	PPBV	99
10) TRICHLOROFLUOROMETHANE	5.79	101	515683	4.78	PPBV	99
11) ISOPROPYL ALCOHOL	5.99	45	116579	3.99	PPBV	93
12) ACETONE	5.68	43	114044	4.16	PPBV	92
13) PENTANE	6.14	42	86353	4.44	PPBV	88
14) 1,1-DICHLOROETHYLENE	6.43	96	116763	4.52	PPBV	89
15) CARBON DISULFIDE	6.84	76	327797	4.60	PPBV	97
16) ETHANOL	5.26	45	23787m	3.99	PPBV	
17) BROMOETHENE	5.39	106	125547	4.57	PPBV #	96
18) METHYLENE CHLORIDE	6.55	84	93733	4.25	PPBV	96
19) 3-CHLOROPROPENE	6.66	39	99960	4.01	PPBV	90
20) FREON 113	6.79	151	214271	4.26	PPBV	90
21) TRANS-1,2-DICHLOROETHYLENE	7.46	96	103335	4.13	PPBV	94
22) TERTIARY BUTYL ALCOHOL	6.59	59	159121	3.52	PPBV	81
23) METHYL TERTIARY BUTYL ETHE	7.75	73	249773	4.06	PPBV	97
24) TETRAHYDROFURAN	9.19	42	56311	3.77	PPBV	95
25) HEXANE	8.63	57	113446	4.22	PPBV	94
26) VINYL ACETATE	7.81	43	143030	3.67	PPBV	98
27) 1,1-DICHLOROETHANE	7.66	63	173521	4.02	PPBV	98
28) METHYL ETHYL KETONE	8.09	43	117960	3.88	PPBV	96
29) cis-1,2-DICHLOROETHYLENE	8.46	96	94857	3.90	PPBV	92
30) ETHYL ACETATE	8.70	43	118364	3.94	PPBV #	98
31) CHLOROFORM	8.75	83	258660	4.16	PPBV	98
32) 1,1,1-TRICHLOROETHANE	9.68	97	306875	4.05	PPBV	97
33) CARBON TETRACHLORIDE	10.26	117	370648	4.26	PPBV	99
34) 1,2-DICHLOROETHANE	9.45	62	154743	4.11	PPBV	99
36) BENZENE	10.12	78	210452	3.83	PPBV	99
37) CYCLOHEXANE	10.37	84	115053	4.18	PPBV	92
38) TRICHLOROETHYLENE	11.11	95	114155	3.90	PPBV	94
39) 1,2-DICHLOROPROPANE	10.90	63	66688	3.77	PPBV #	82
40) BROMODICHLOROMETHANE	11.09	83	242691	4.09	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.12	57	327434	3.69	PPBV	96
42) 1,4-DIOXANE	11.19	88	38951	3.58	PPBV	90
43) HEPTANE	11.36	43	111837	3.94	PPBV	96

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J11222.D
Acq On : 6 Sep 2007 6:42 pm
Operator : PhilipB
Sample : IC589-5 (M065)
Misc : MS14204, MSJ589,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 07 10:58:43 2007
Quant Method : C:\MSDCHEM\1\METHODS\J090607T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Sep 07 10:57:50 2007
Response via : Initial Calibration

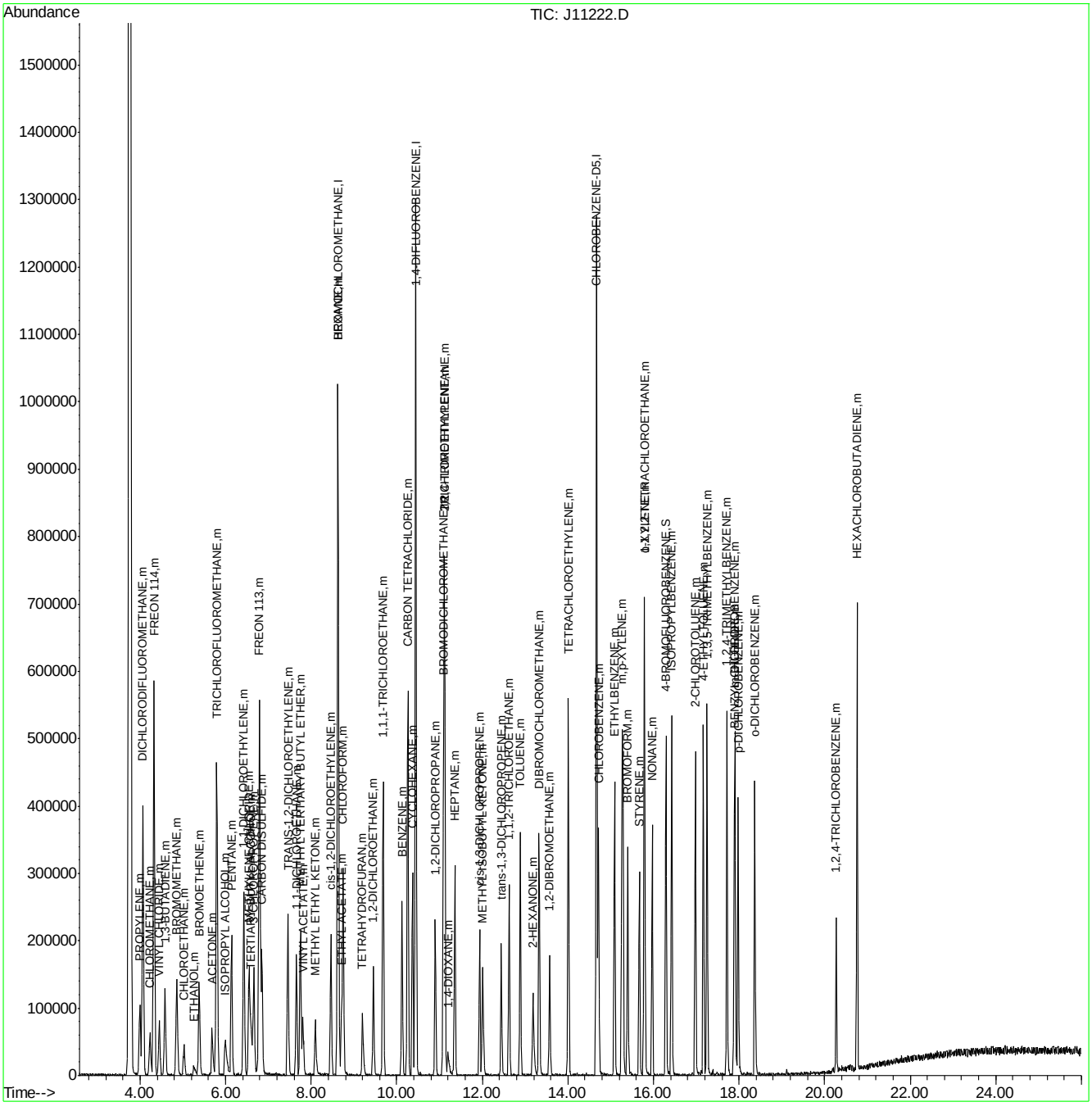
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) METHYL ISOBUTYL KETONE	12.01	43	125285	3.62	PPBV		96
45) cis-1,3-DICHLOROPROPENE	11.94	75	117328	3.87	PPBV		99
46) TOLUENE	12.88	92	145959	3.62	PPBV		98
47) trans-1,3-DICHLOROPROPENE	12.44	75	112450	3.55	PPBV		96
48) 1,1,2-TRICHLOROETHANE	12.62	83	72218	3.76	PPBV		97
50) 2-HEXANONE	13.18	43	117518	4.44	PPBV		95
51) TETRACHLOROETHYLENE	14.01	164	112663	4.03	PPBV		88
52) DIBROMOCHLOROMETHANE	13.32	129	204462	4.21	PPBV		99
53) 1,2-DIBROMOETHANE	13.57	107	129435	4.09	PPBV		99
54) CHLOROBENZENE	14.71	112	186938	4.02	PPBV		96
55) ETHYLBENZENE	15.09	91	323838	3.98	PPBV		96
56) m,p-XYLENE	15.27	106	240573	7.62	PPBV		88
57) o-XYLENE	15.78	106	121619	3.76	PPBV	#	86
58) STYRENE	15.67	104	147610	3.38	PPBV		93
59) NONANE	15.97	43	119970	3.69	PPBV		95
60) BROMOFORM	15.40	173	163759	3.58	PPBV		96
62) 1,1,2,2-TETRACHLOROETHANE	15.79	83	158082	3.66	PPBV		98
63) ISOPROPYLBENZENE	16.42	105	365548	3.66	PPBV		96
64) 2-CHLOROTOLUENE	16.98	91	263279	3.60	PPBV		95
65) 4-ETHYLTOLUENE	17.17	105	318936	3.38	PPBV		97
66) 1,3,5-TRIMETHYLBENZENE	17.25	105	290727	3.54	PPBV		92
67) 1,2,4-TRIMETHYLBENZENE	17.72	105	277409	3.59	PPBV		95
68) m-DICHLOROBENZENE	17.90	146	167457	3.59	PPBV		97
69) BENZYL CHLORIDE	17.88	91	183619	3.72	PPBV		98
70) p-DICHLOROBENZENE	17.97	146	162097	3.79	PPBV		98
71) o-DICHLOROBENZENE	18.36	146	164683	3.68	PPBV		97
72) HEXACHLOROBUTADIENE	20.76	225	101608	3.68	PPBV		99
73) 1,2,4-TRICHLOROBENZENE	20.27	180	54822	3.69	PPBV		97

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J11222.D
Acq On : 6 Sep 2007 6:42 pm
Operator : PhilipB
Sample : IC589-5 (M065)
Misc : MS14204, MSJ589,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 07 10:58:43 2007
Quant Method : C:\MSDCHEM\1\METHODS\J090607T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Sep 07 10:57:50 2007
Response via : Initial Calibration

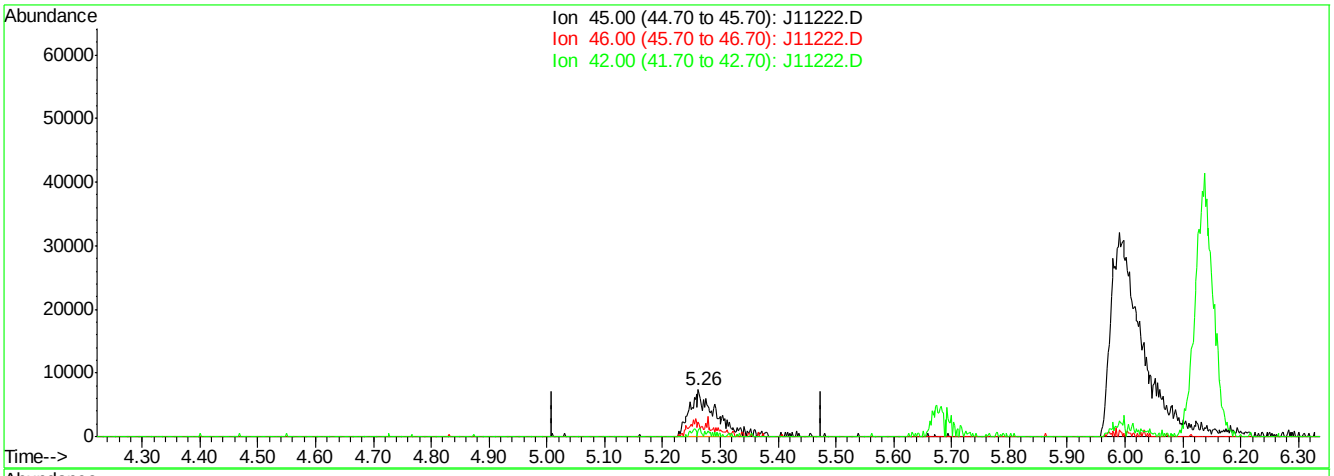


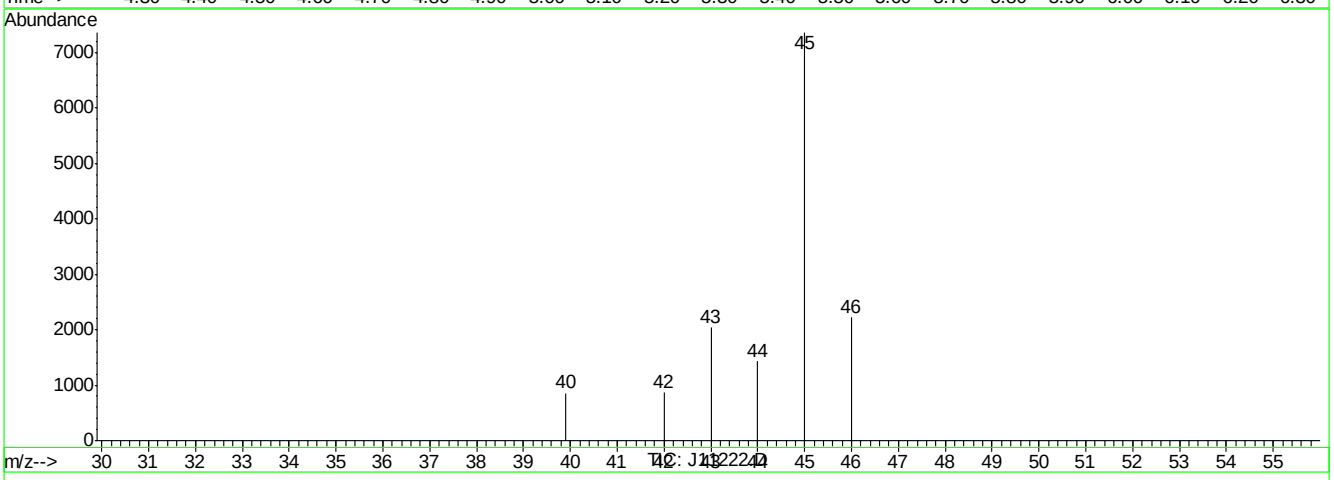
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11222.D Vial: 2
Acq On : 6 Sep 2007 6:42 pm Operator: PhilipB
Sample : IC589-5 (M065) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 10:57:54 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 10:57:50 2007
Response via : Multiple Level Calibration





(16) ETHANOL (m)

5.26min 3.62PPBV

response 21546

Ion	Exp%	Act%
45.00	100	100
46.00	34.00	0.00#
42.00	9.40	2.13
0.00	0.00	0.00

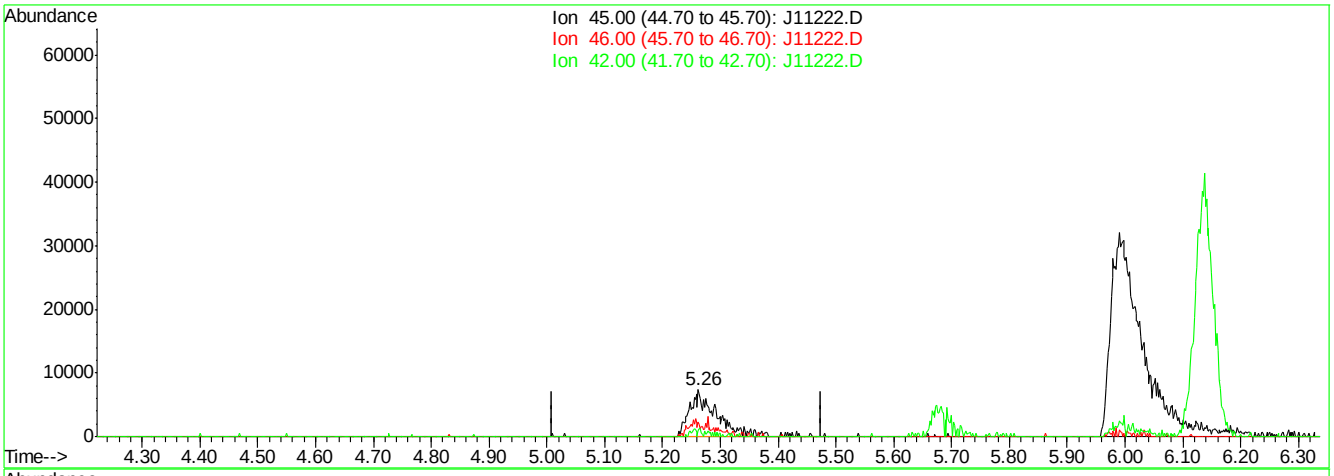
J11222.D J090607T.M Fri Sep 07 10:58:09 2007

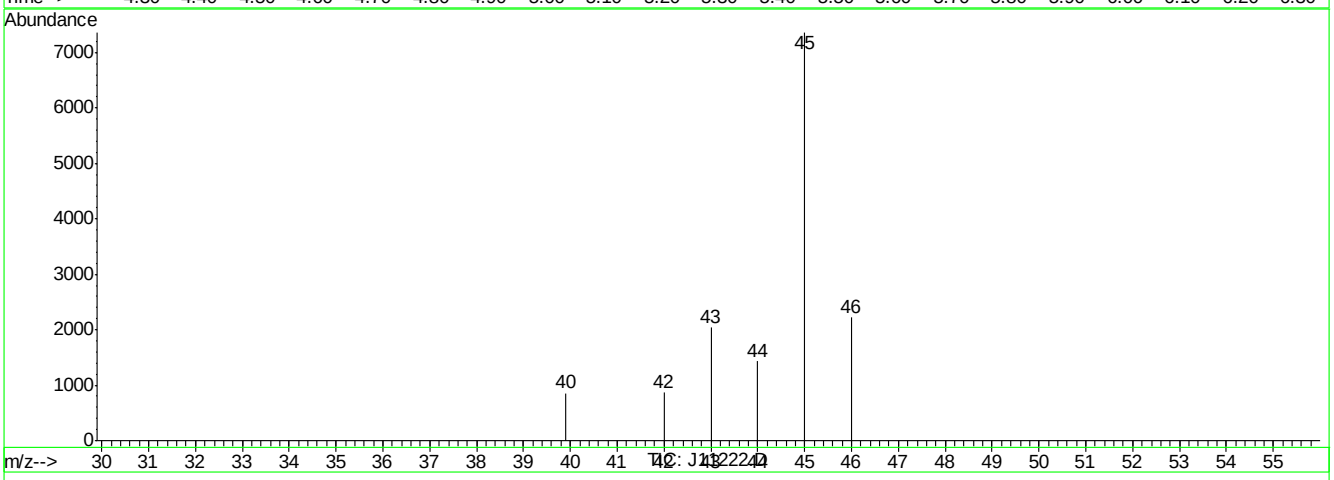
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11222.D Vial: 2
Acq On : 6 Sep 2007 6:42 pm Operator: PhilipB
Sample : IC589-5 (M065) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 10:57:54 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 10:57:50 2007
Response via : Multiple Level Calibration





(16) ETHANOL (m)

5.26min 3.99PPBV m

response 23787

Ion	Exp%	Act%
45.00	100	100
46.00	34.00	0.00#
42.00	9.40	1.93
0.00	0.00	0.00

J11222.D J090607T.M Fri Sep 07 10:58:12 2007

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 09/07/07 12:11

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J11223.D
Acq On : 6 Sep 2007 7:31 pm
Operator : PhilipB
Sample : IC589-2 (M065)
Misc : MS14204, MSJ589,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 07 11:00:15 2007
Quant Method : C:\MSDCHEM\1\METHODS\J090607T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Sep 07 10:58:56 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.63	128	200643	10.00	PPBV	0.01
35) 1,4-DIFLUOROBENZENE	10.44	114	836544	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.67	117	552024	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.29	95	126741	4.29	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 85.80%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.06	85	175770	1.94	PPBV	99
3) PROPYLENE	4.00	41	23858	1.85	PPBV	86
4) FREON 114	4.33	85	146055	2.00	PPBV	96
5) CHLOROMETHANE	4.24	50	29256	1.82	PPBV	98
6) VINYL CHLORIDE	4.45	62	38619	1.87	PPBV	97
7) 1,3-BUTADIENE	4.59	39	29920	2.00	PPBV	90
8) BROMOMETHANE	4.86	94	43549	1.84	PPBV	95
9) CHLOROETHANE	5.02	64	14103	1.52	PPBV #	66
10) TRICHLOROFLUOROMETHANE	5.79	101	200360	2.17	PPBV	99
11) ISOPROPYL ALCOHOL	6.07	45	38389m	1.59	PPBV	
12) ACETONE	5.71	43	32158	1.41	PPBV	69
13) PENTANE	6.14	42	33162	2.02	PPBV	82
14) 1,1-DICHLOROETHYLENE	6.42	96	40761	1.86	PPBV #	82
15) CARBON DISULFIDE	6.84	76	111075	1.83	PPBV	93
16) ETHANOL	5.32	45	6459m	1.32	PPBV	
17) BROMOETHENE	5.38	106	43246	1.86	PPBV #	95
18) METHYLENE CHLORIDE	6.55	84	32233	1.75	PPBV	96
19) 3-CHLOROPROPENE	6.67	39	34069	1.66	PPBV #	16
20) FREON 113	6.79	151	74917	1.78	PPBV	91
21) TRANS-1,2-DICHLOROETHYLENE	7.46	96	33599	1.62	PPBV	90
22) TERTIARY BUTYL ALCOHOL	6.68	59	57630m	1.59	PPBV	
23) METHYL TERTIARY BUTYL ETHE	7.76	73	75298	1.48	PPBV	98
24) TETRAHYDROFURAN	9.23	42	15128	1.24	PPBV	98
25) HEXANE	8.63	57	39009	1.74	PPBV	92
26) VINYL ACETATE	7.82	43	39414	1.25	PPBV	89
27) 1,1-DICHLOROETHANE	7.66	63	56052	1.58	PPBV	98
28) METHYL ETHYL KETONE	8.12	43	34058	1.37	PPBV	92
29) cis-1,2-DICHLOROETHYLENE	8.46	96	30174	1.51	PPBV	89
30) ETHYL ACETATE	8.73	43	34979	1.42	PPBV #	91
31) CHLOROFORM	8.74	83	84812	1.64	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.69	97	99896	1.60	PPBV	96
33) CARBON TETRACHLORIDE	10.26	117	118727	1.63	PPBV	99
34) 1,2-DICHLOROETHANE	9.46	62	52324	1.68	PPBV	99
36) BENZENE	10.12	78	70342	1.60	PPBV	99
37) CYCLOHEXANE	10.37	84	38770	1.73	PPBV	94
38) TRICHLOROETHYLENE	11.11	95	40320	1.71	PPBV	90
39) 1,2-DICHLOROPROPANE	10.90	63	20520	1.45	PPBV #	78
40) BROMODICHLOROMETHANE	11.09	83	77972	1.62	PPBV	98
41) 2,2,4-TRIMETHYLPENTANE	11.12	57	98811	1.40	PPBV	95
42) 1,4-DIOXANE	11.27	88	11205m	1.30	PPBV	
43) HEPTANE	11.36	43	35332	1.55	PPBV	98

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J11223.D
Acq On : 6 Sep 2007 7:31 pm
Operator : PhilipB
Sample : IC589-2 (M065)
Misc : MS14204, MSJ589,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 07 11:00:15 2007
Quant Method : C:\MSDCHEM\1\METHODS\J090607T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Sep 07 10:58:56 2007
Response via : Initial Calibration

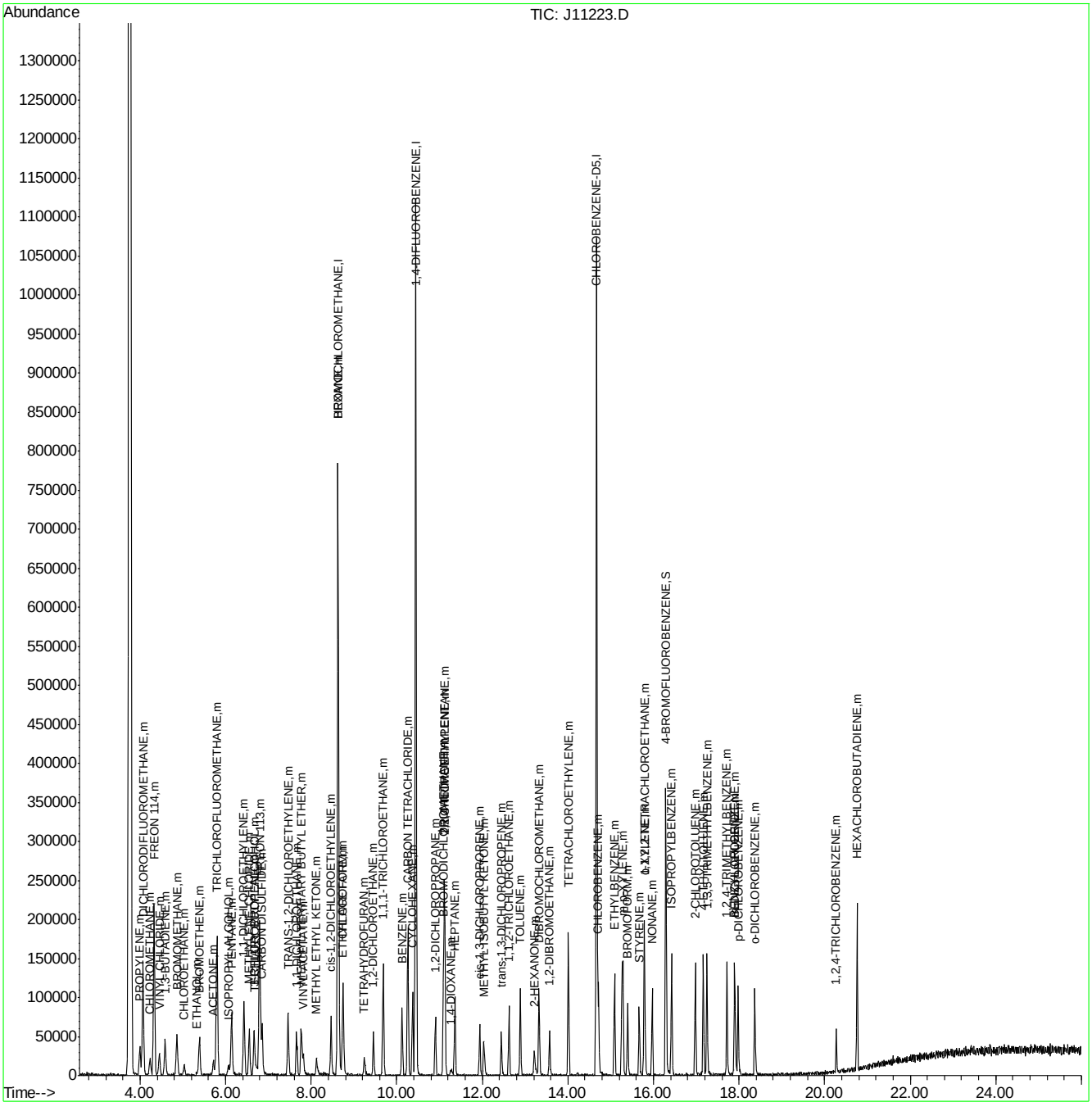
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.03	43	37292	1.36	PPBV	95
45) cis-1,3-DICHLOROPROPENE	11.94	75	35351	1.45	PPBV	99
46) TOLUENE	12.88	92	45680	1.43	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.44	75	32853	1.32	PPBV	97
48) 1,1,2-TRICHLOROETHANE	12.62	83	20863	1.36	PPBV	97
50) 2-HEXANONE	13.21	43	34109	1.69	PPBV #	36
51) TETRACHLOROETHYLENE	14.01	164	36162	1.73	PPBV	89
52) DIBROMOCHLOROMETHANE	13.32	129	59753	1.63	PPBV	99
53) 1,2-DIBROMOETHANE	13.57	107	38703	1.63	PPBV	99
54) CHLOROBENZENE	14.71	112	55367	1.59	PPBV	90
55) ETHYLBENZENE	15.09	91	89499	1.47	PPBV	97
56) m,p-XYLENE	15.28	106	64620	2.77	PPBV #	87
57) o-XYLENE	15.78	106	33912	1.42	PPBV	92
58) STYRENE	15.67	104	40582	1.29	PPBV	91
59) NONANE	15.97	43	33467	1.40	PPBV	93
60) BROMOFORM	15.40	173	42505	1.27	PPBV	94
62) 1,1,2,2-TETRACHLOROETHANE	15.79	83	44171	1.40	PPBV	97
63) ISOPROPYLBENZENE	16.42	105	101120	1.38	PPBV	96
64) 2-CHLOROTOLUENE	16.98	91	77216	1.45	PPBV	93
65) 4-ETHYLTOLUENE	17.16	105	91947	1.35	PPBV	95
66) 1,3,5-TRIMETHYLBENZENE	17.25	105	81936	1.37	PPBV	93
67) 1,2,4-TRIMETHYLBENZENE	17.72	105	77920	1.38	PPBV	91
68) m-DICHLOROBENZENE	17.90	146	43460	1.28	PPBV	96
69) BENZYL CHLORIDE	17.89	91	41015	1.13	PPBV	95
70) p-DICHLOROBENZENE	17.98	146	44526	1.41	PPBV	96
71) o-DICHLOROBENZENE	18.37	146	42829	1.30	PPBV	95
72) HEXACHLOROBUTADIENE	20.76	225	28587	1.41	PPBV	98
73) 1,2,4-TRICHLOROBENZENE	20.27	180	14054	1.29	PPBV	95

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J11223.D
Acq On : 6 Sep 2007 7:31 pm
Operator : PhilipB
Sample : IC589-2 (M065)
Misc : MS14204, MSJ589,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 07 11:00:15 2007
Quant Method : C:\MSDCHEM\1\METHODS\J090607T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Sep 07 10:58:56 2007
Response via : Initial Calibration



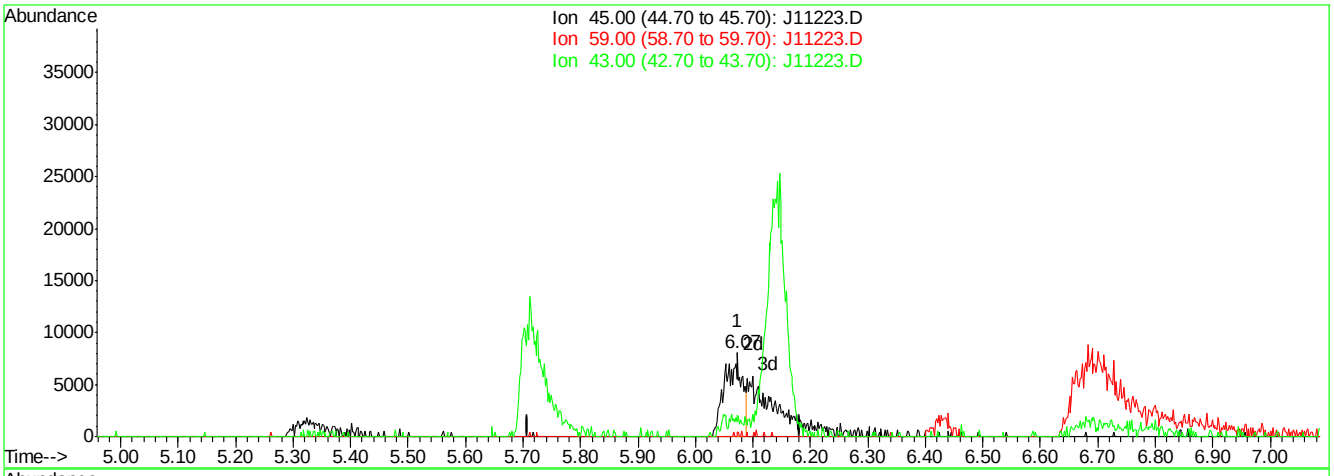
ACCUTEST Laboratories M67493

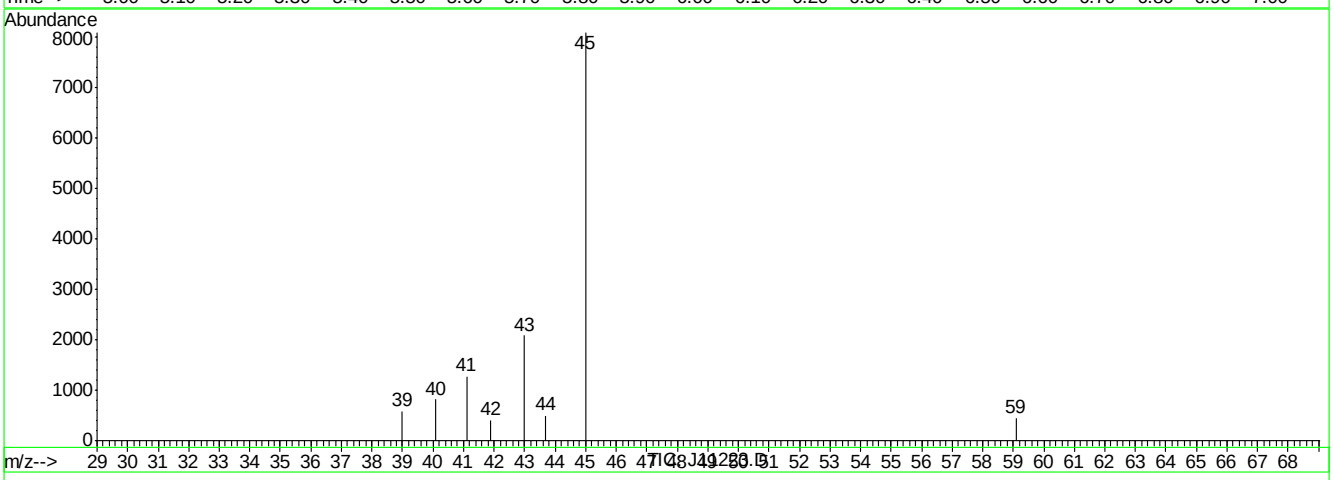
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11223.D Vial: 2
Acq On : 6 Sep 2007 7:31 pm Operator: PhilipB
Sample : IC589-2 (M065) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 10:59:03 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 10:58:56 2007
Response via : Multiple Level Calibration





(11) ISOPROPYL ALCOHOL (m)

6.07min 0.68PPBV

response 16369

Ion	Exp%	Act%
45.00	100	100
59.00	3.60	5.58
43.00	24.20	31.87
0.00	0.00	0.00

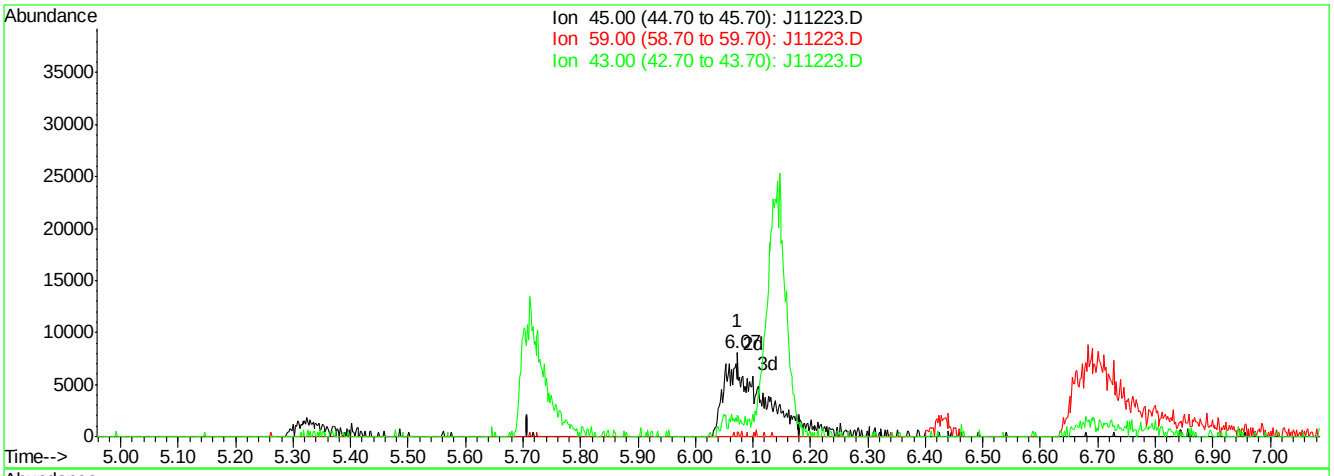
J11223.D J090607T.M Fri Sep 07 10:59:25 2007

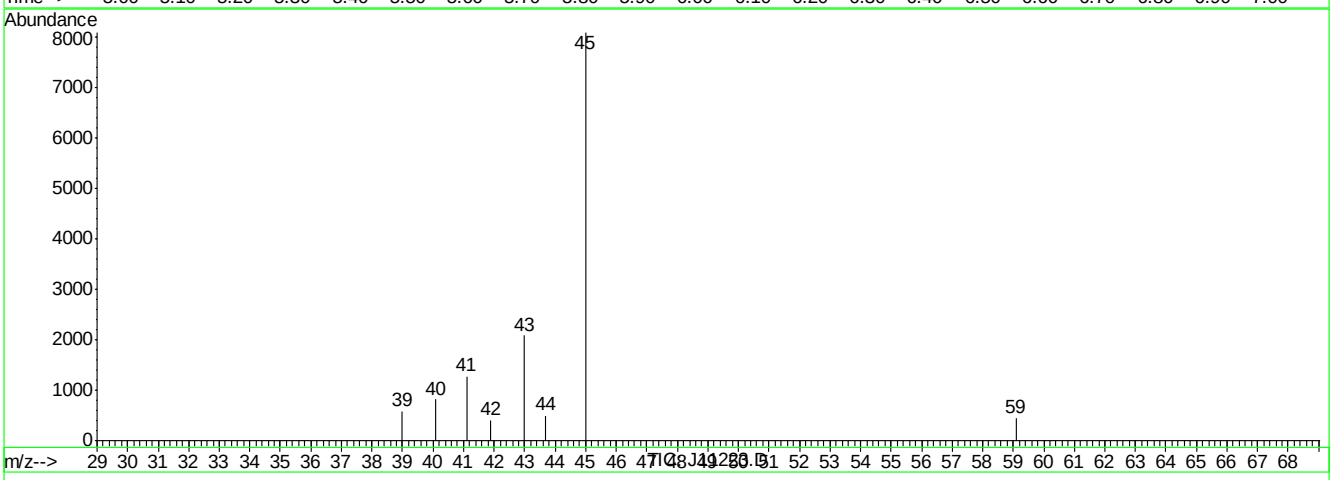
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11223.D Vial: 2
Acq On : 6 Sep 2007 7:31 pm Operator: PhilipB
Sample : IC589-2 (M065) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 10:59:03 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 10:58:56 2007
Response via : Multiple Level Calibration





(11) ISOPROPYL ALCOHOL (m)

6.07min 1.59PPBV m

response 38389

Ion	Exp%	Act%
45.00	100	100
59.00	3.60	5.58
43.00	24.20	25.79
0.00	0.00	0.00

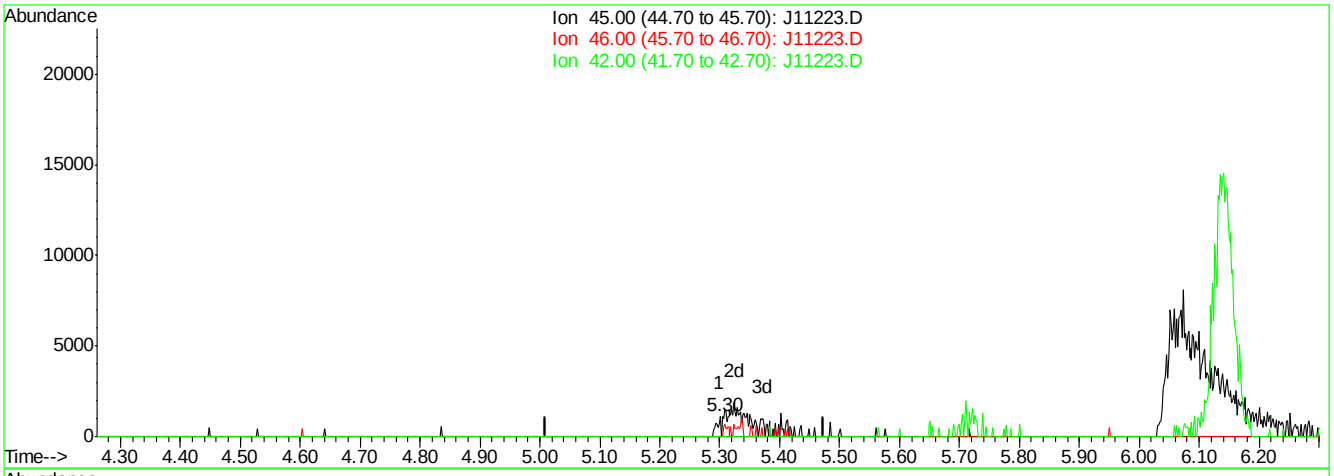
J11223.D J090607T.M Fri Sep 07 10:59:29 2007

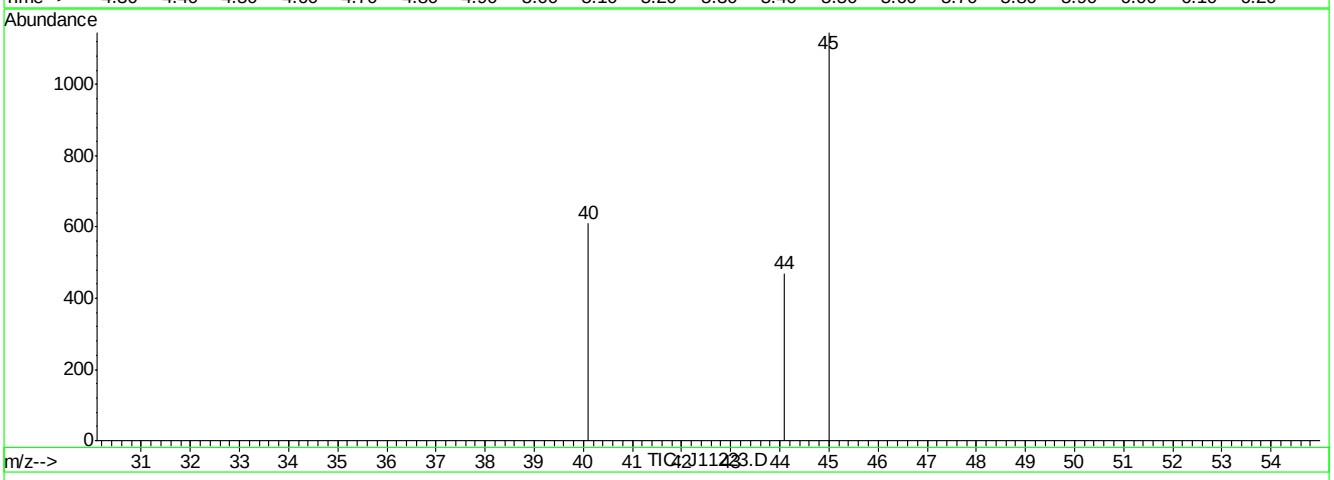
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11223.D Vial: 2
Acq On : 6 Sep 2007 7:31 pm Operator: PhilipB
Sample : IC589-2 (M065) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 10:59:03 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 10:58:56 2007
Response via : Multiple Level Calibration





(16) ETHANOL (m)

5.30min 0.10PPBV

response 501

Ion	Exp%	Act%
45.00	100	100
46.00	34.00	65.47#
42.00	9.40	0.00
0.00	0.00	0.00

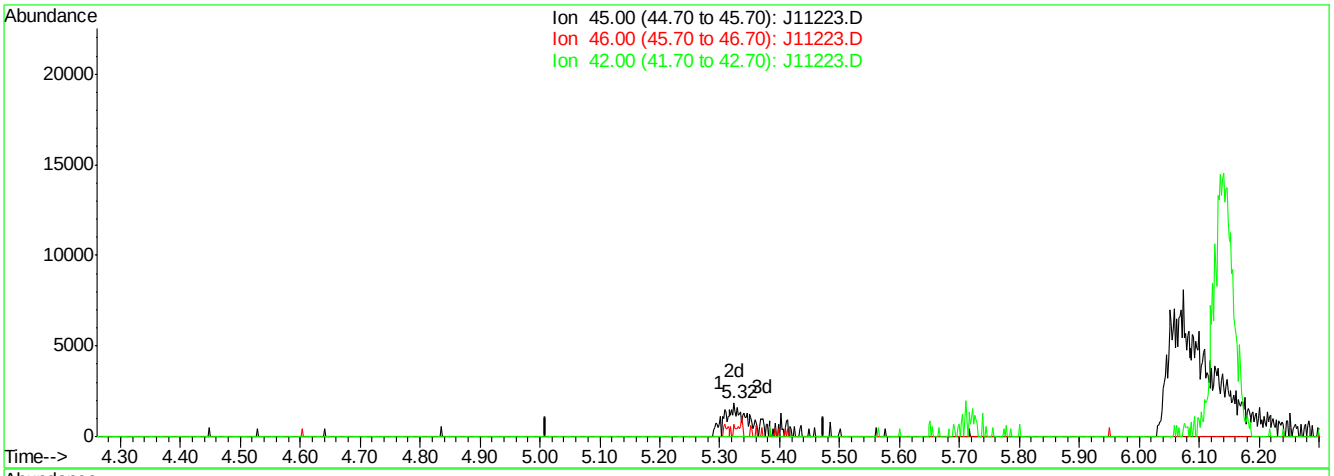
J11223.D J090607T.M Fri Sep 07 10:59:34 2007

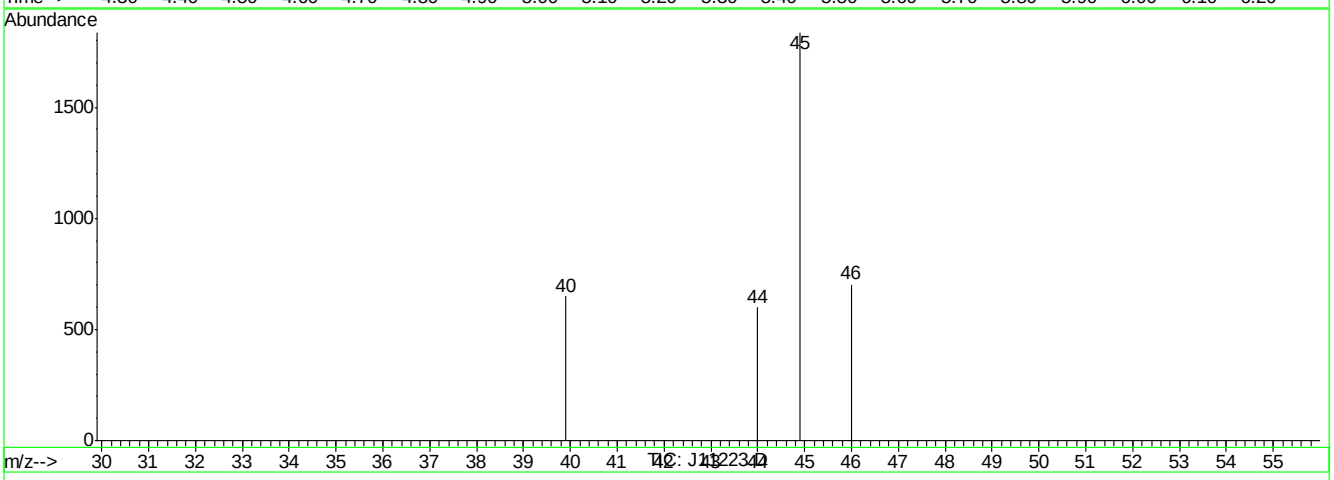
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11223.D Vial: 2
Acq On : 6 Sep 2007 7:31 pm Operator: PhilipB
Sample : IC589-2 (M065) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 10:59:03 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 10:58:56 2007
Response via : Multiple Level Calibration





(16) ETHANOL (m)

5.32min 1.32PPBV m

response 6459

Ion	Exp%	Act%
45.00	100	100
46.00	34.00	5.08#
42.00	9.40	0.00
0.00	0.00	0.00

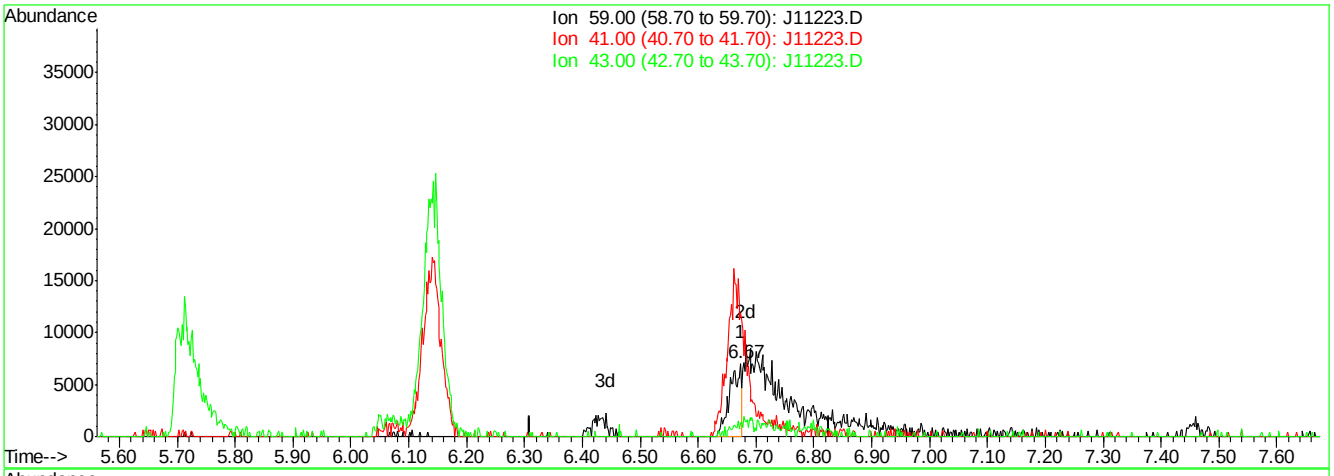
J11223.D J090607T.M Fri Sep 07 10:59:37 2007

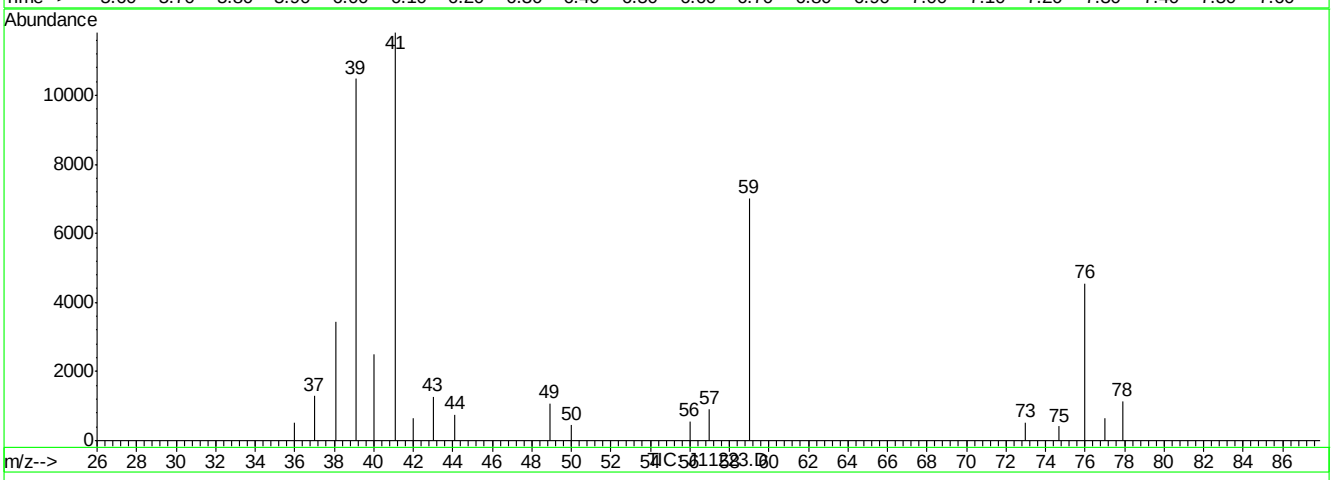
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11223.D Vial: 2
Acq On : 6 Sep 2007 7:31 pm Operator: PhilipB
Sample : IC589-2 (M065) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 10:59:03 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 10:58:56 2007
Response via : Multiple Level Calibration





(22) TERTIARY BUTYL ALCOHOL (m)

6.67min 0.26PPBV

response 9572

Ion	Exp%	Act%
59.00	100	100
41.00	23.80	368.51#
43.00	18.40	0.00
0.00	0.00	0.00

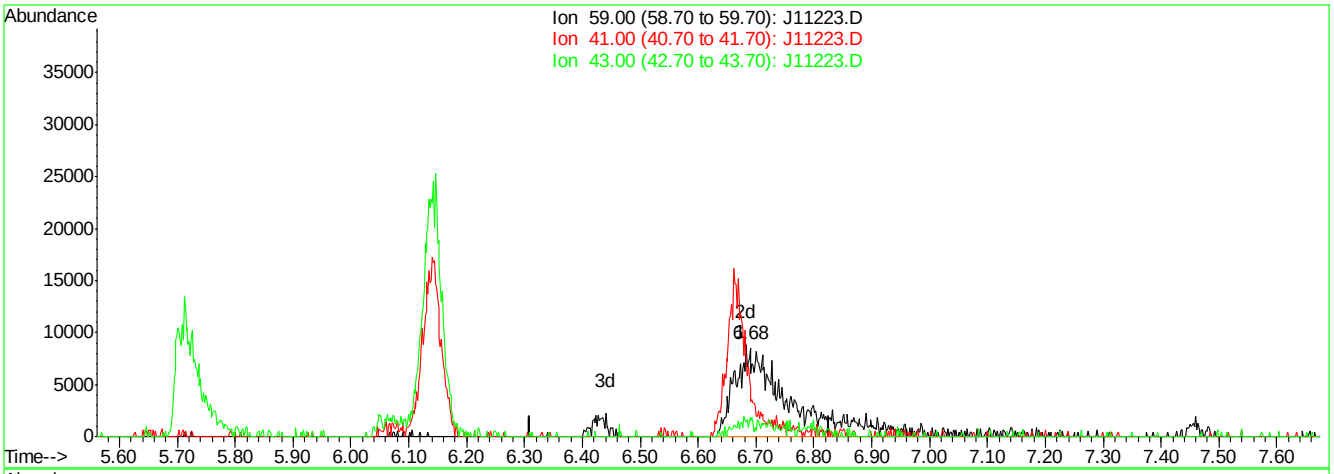
J11223.D J090607T.M Fri Sep 07 10:59:42 2007

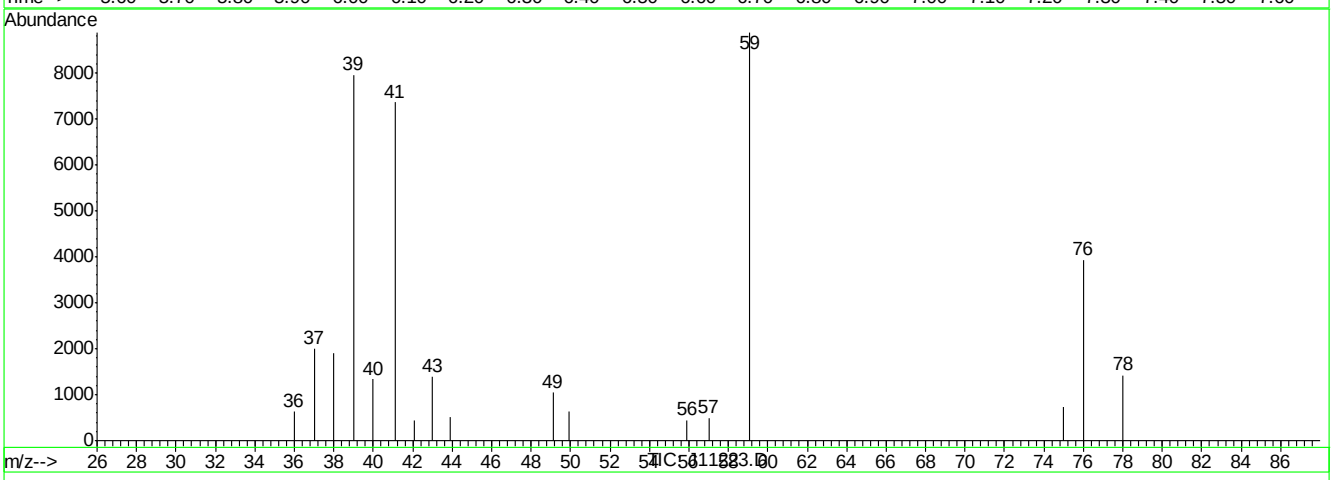
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11223.D Vial: 2
Acq On : 6 Sep 2007 7:31 pm Operator: PhilipB
Sample : IC589-2 (M065) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 10:59:03 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 10:58:56 2007
Response via : Multiple Level Calibration





(22) TERTIARY BUTYL ALCOHOL (m)

6.68min 1.59PPBV m

response 57630

Ion	Exp%	Act%
59.00	100	100
41.00	23.80	61.21#
43.00	18.40	0.00
0.00	0.00	0.00

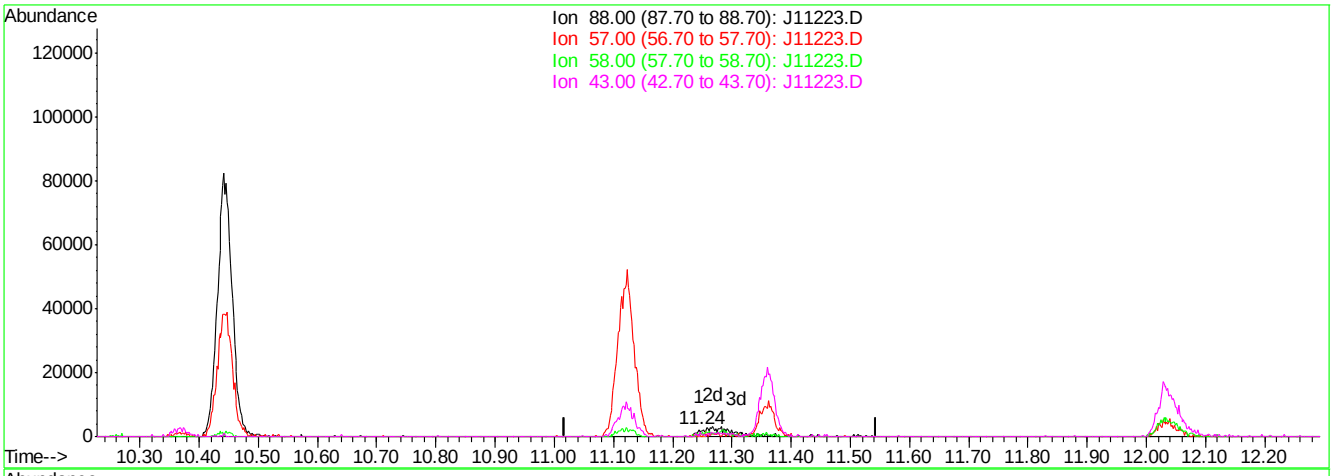
J11223.D J090607T.M Fri Sep 07 10:59:46 2007

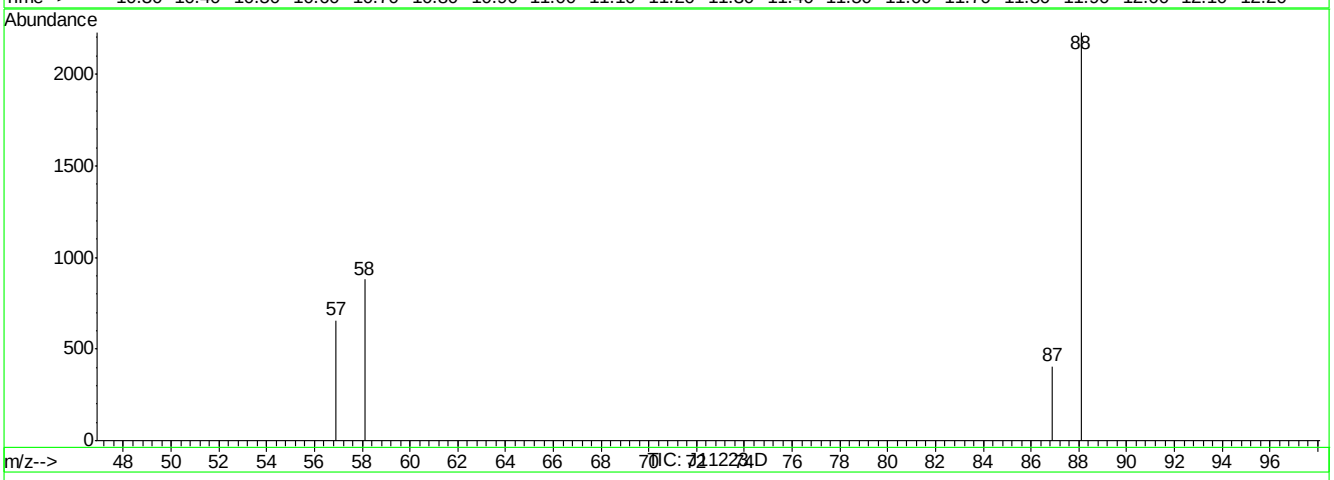
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11223.D Vial: 2
Acq On : 6 Sep 2007 7:31 pm Operator: PhilipB
Sample : IC589-2 (M065) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 10:59:03 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 10:58:56 2007
Response via : Multiple Level Calibration





(42) 1,4-DIOXANE (m)

11.24min 0.23PPBV

response 1952

Ion	Exp%	Act%
88.00	100	100
57.00	27.50	29.41
58.00	53.10	39.56
43.00	26.10	0.00#

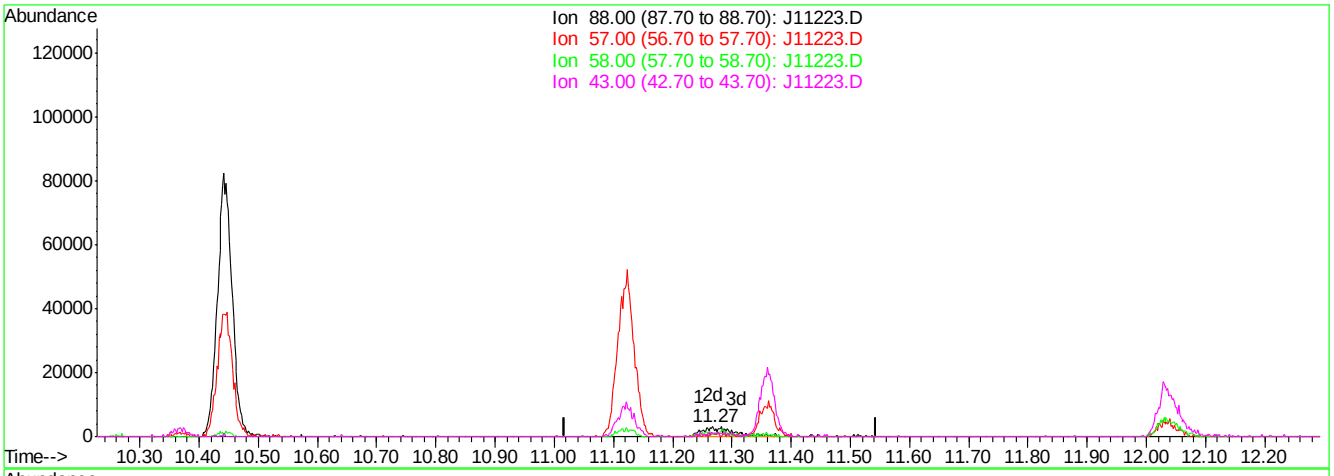
J11223.D J090607T.M Fri Sep 07 10:59:57 2007

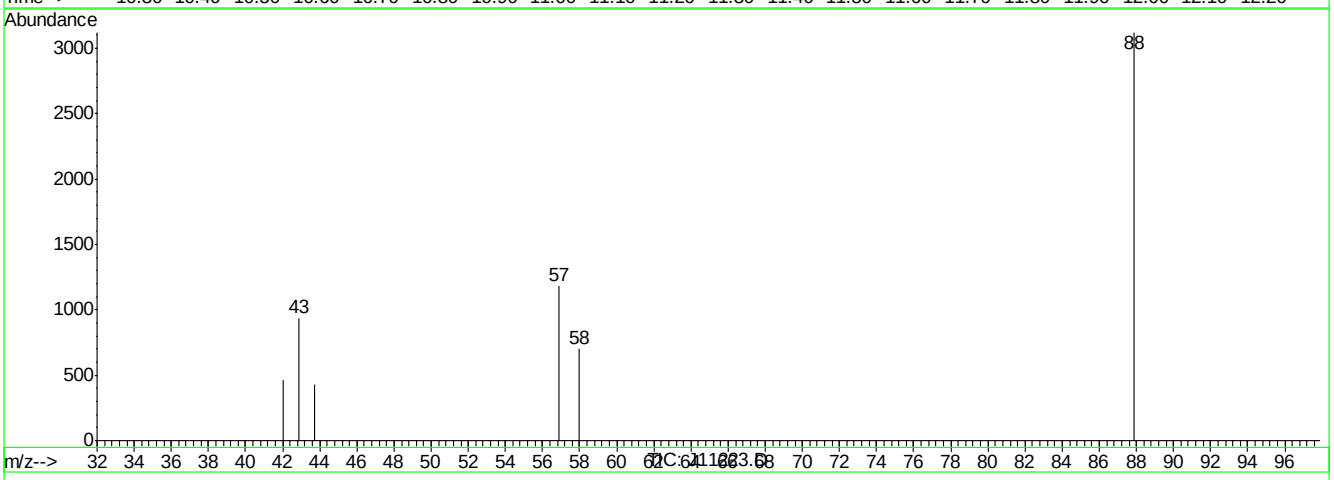
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11223.D Vial: 2
Acq On : 6 Sep 2007 7:31 pm Operator: PhilipB
Sample : IC589-2 (M065) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 10:59:03 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 10:58:56 2007
Response via : Multiple Level Calibration





(42) 1,4-DIOXANE (m)

11.27min 1.30PPBV m

response 11205

Ion	Exp%	Act%
88.00	100	100
57.00	27.50	37.82
58.00	53.10	22.44#
43.00	26.10	30.00

J11223.D J090607T.M Fri Sep 07 11:00:00 2007

J11224.D

Manual Integrations APPROVED (compounds with "m" flag)

Doug Yargeau 09/07/07 12:11

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J11224.D
Acq On : 6 Sep 2007 8:18 pm
Operator : PhilipB
Sample : IC589-.5 (M187)
Misc : MS14204, MSJ589,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 07 11:02:38 2007
Quant Method : C:\MSDCHEM\1\METHODS\J090607T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Sep 07 11:00:28 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	193801	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.44	114	794880	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.66	117	562144	10.00	PPBV	-0.01
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.28	95	132320	4.50	PPBV	-0.02
Spiked Amount 5.000	Range 51 - 142		Recovery = 90.00%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.06	85	44601	0.51	PPBV	95
3) PROPYLENE	3.99	41	6852	0.56	PPBV #	74
4) FREON 114	4.32	85	33100	0.47	PPBV	97
5) CHLOROMETHANE	4.23	50	6902	0.45	PPBV	73
6) VINYL CHLORIDE	4.44	62	8615	0.44	PPBV #	65
7) 1,3-BUTADIENE	4.58	39	6618m	0.46	PPBV	
8) BROMOMETHANE	4.86	94	9226m	0.41	PPBV	
9) CHLOROETHANE	5.02	64	3238m	0.38	PPBV	
10) TRICHLOROFLUOROMETHANE	5.80	101	44215	0.49	PPBV	98
11) ISOPROPYL ALCOHOL	6.11	45	10557m	0.47	PPBV	
12) ACETONE	5.71	43	16924	0.82	PPBV	87
13) PENTANE	6.12	42	7288	0.46	PPBV #	70
14) 1,1-DICHLOROETHYLENE	6.43	96	8912	0.43	PPBV #	82
15) CARBON DISULFIDE	6.84	76	26687	0.46	PPBV	82
16) ETHANOL	5.36	45	1484m	0.34	PPBV	
17) BROMOETHENE	5.38	106	9130	0.41	PPBV #	94
18) METHYLENE CHLORIDE	6.54	84	18142	1.05	PPBV	95
19) 3-CHLOROPROPENE	6.66	39	7669	0.40	PPBV #	80
20) FREON 113	6.79	151	17831	0.45	PPBV	88
21) TRANS-1,2-DICHLOROETHYLENE	7.46	96	7710	0.40	PPBV	90
22) TERTIARY BUTYL ALCOHOL	6.74	59	14490m	0.43	PPBV	
23) METHYL TERTIARY BUTYL ETHE	7.78	73	20817	0.45	PPBV	82
24) TETRAHYDROFURAN	9.27	42	4873m	0.45	PPBV	
25) HEXANE	8.64	57	13503	0.64	PPBV	89
26) VINYL ACETATE	7.81	43	11646	0.41	PPBV	90
27) 1,1-DICHLOROETHANE	7.65	63	15246	0.46	PPBV	96
28) METHYL ETHYL KETONE	8.14	43	9999	0.44	PPBV #	56
29) cis-1,2-DICHLOROETHYLENE	8.46	96	7318	0.40	PPBV #	85
30) ETHYL ACETATE	8.73	43	10311	0.46	PPBV #	89
31) CHLOROFORM	8.74	83	23147	0.48	PPBV	94
32) 1,1,1-TRICHLOROETHANE	9.68	97	27175	0.47	PPBV	97
33) CARBON TETRACHLORIDE	10.25	117	29683	0.44	PPBV	98
34) 1,2-DICHLOROETHANE	9.45	62	13885	0.48	PPBV	95
36) BENZENE	10.12	78	17493	0.44	PPBV	97
37) CYCLOHEXANE	10.37	84	10660	0.51	PPBV	90
38) TRICHLOROETHYLENE	11.11	95	9625	0.44	PPBV	89
39) 1,2-DICHLOROPROPANE	10.90	63	5749	0.45	PPBV #	73
40) BROMODICHLOROMETHANE	11.08	83	19670	0.45	PPBV	95
41) 2,2,4-TRIMETHYLPENTANE	11.12	57	26944	0.43	PPBV	99
42) 1,4-DIOXANE	11.31	88	2831m	0.37	PPBV	
43) HEPTANE	11.35	43	9901	0.48	PPBV	98

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J11224.D
Acq On : 6 Sep 2007 8:18 pm
Operator : PhilipB
Sample : IC589-.5 (M187)
Misc : MS14204, MSJ589,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 07 11:02:38 2007
Quant Method : C:\MSDCHEM\1\METHODS\J090607T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Sep 07 11:00:28 2007
Response via : Initial Calibration

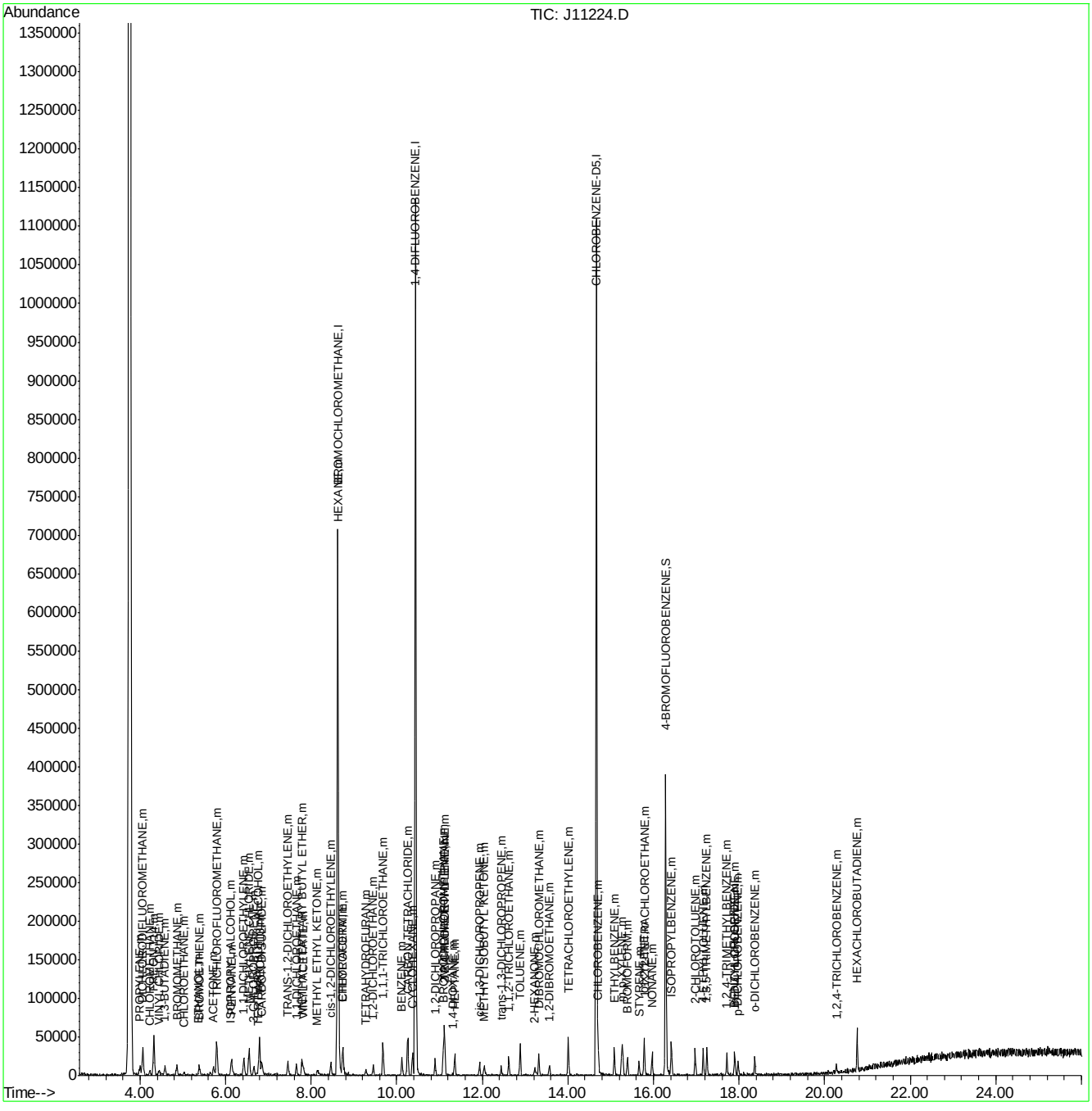
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) METHYL ISOBUTYL KETONE	12.04	43	11110m	0.46	PPBV		
45) cis-1,3-DICHLOROPROPENE	11.94	75	8627	0.39	PPBV		92
46) TOLUENE	12.88	92	16718	0.58	PPBV		95
47) trans-1,3-DICHLOROPROPENE	12.44	75	6724	0.30	PPBV		88
48) 1,1,2-TRICHLOROETHANE	12.62	83	5708	0.42	PPBV		96
50) 2-HEXANONE	13.22	43	10351	0.52	PPBV		76
51) TETRACHLOROETHYLENE	14.01	164	9333	0.45	PPBV		87
52) DIBROMOCHLOROMETHANE	13.32	129	14454	0.40	PPBV		98
53) 1,2-DIBROMOETHANE	13.56	107	8886	0.38	PPBV		99
54) CHLOROBENZENE	14.71	112	13468	0.40	PPBV		95
55) ETHYLBENZENE	15.09	91	24439	0.42	PPBV		96
56) m,p-XYLENE	15.26	106	16638	0.75	PPBV		84
57) o-XYLENE	15.77	106	8323	0.36	PPBV	#	80
58) STYRENE	15.66	104	8514	0.29	PPBV		86
59) NONANE	15.97	43	9559	0.42	PPBV		97
60) BROMOFORM	15.39	173	9079	0.29	PPBV		87
62) 1,1,2,2-TETRACHLOROETHANE	15.79	83	10813	0.36	PPBV		97
63) ISOPROPYLBENZENE	16.42	105	26507	0.38	PPBV		97
64) 2-CHLOROTOLUENE	16.97	91	18900	0.37	PPBV		91
65) 4-ETHYLTOLUENE	17.16	105	21563	0.33	PPBV		92
66) 1,3,5-TRIMETHYLBENZENE	17.25	105	20254	0.35	PPBV		93
67) 1,2,4-TRIMETHYLBENZENE	17.71	105	16110	0.30	PPBV		93
68) m-DICHLOROBENZENE	17.90	146	7957	0.25	PPBV		90
69) BENZYL CHLORIDE	17.90	91	7792	0.23	PPBV		85
70) p-DICHLOROBENZENE	17.97	146	8794	0.29	PPBV		94
71) o-DICHLOROBENZENE	18.36	146	9453	0.30	PPBV		92
72) HEXACHLOROBUTADIENE	20.76	225	7471	0.38	PPBV		90
73) 1,2,4-TRICHLOROBENZENE	20.27	180	3435	0.33	PPBV		88

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J11224.D
Acq On : 6 Sep 2007 8:18 pm
Operator : PhilipB
Sample : IC589-.5 (M187)
Misc : MS14204, MSJ589,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 07 11:02:38 2007
Quant Method : C:\MSDCHEM\1\METHODS\J090607T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Sep 07 11:00:28 2007
Response via : Initial Calibration



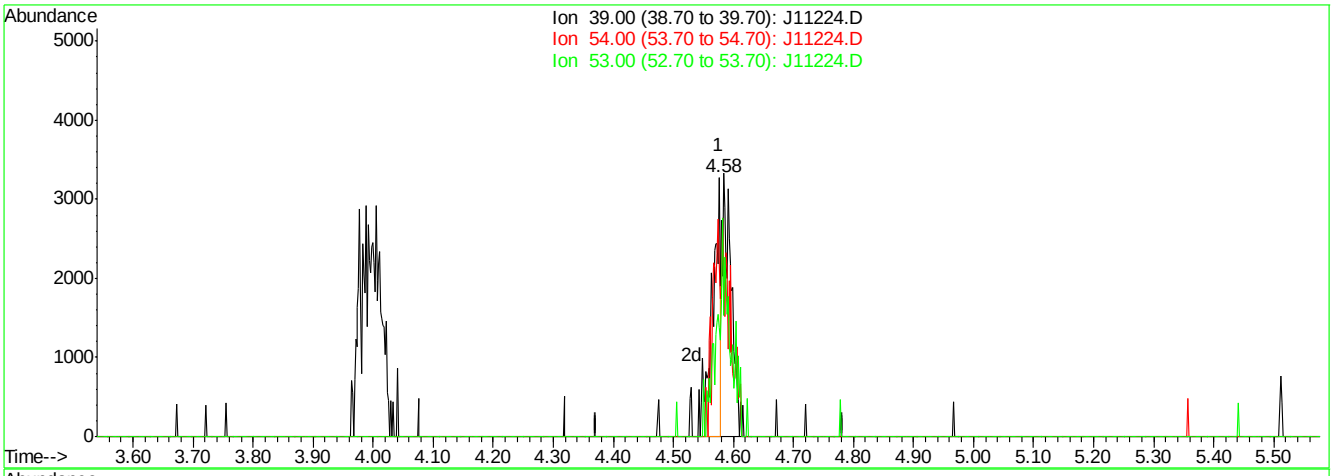
J090607T.M Fri Sep 07 11:02:45 2007 Page: 3

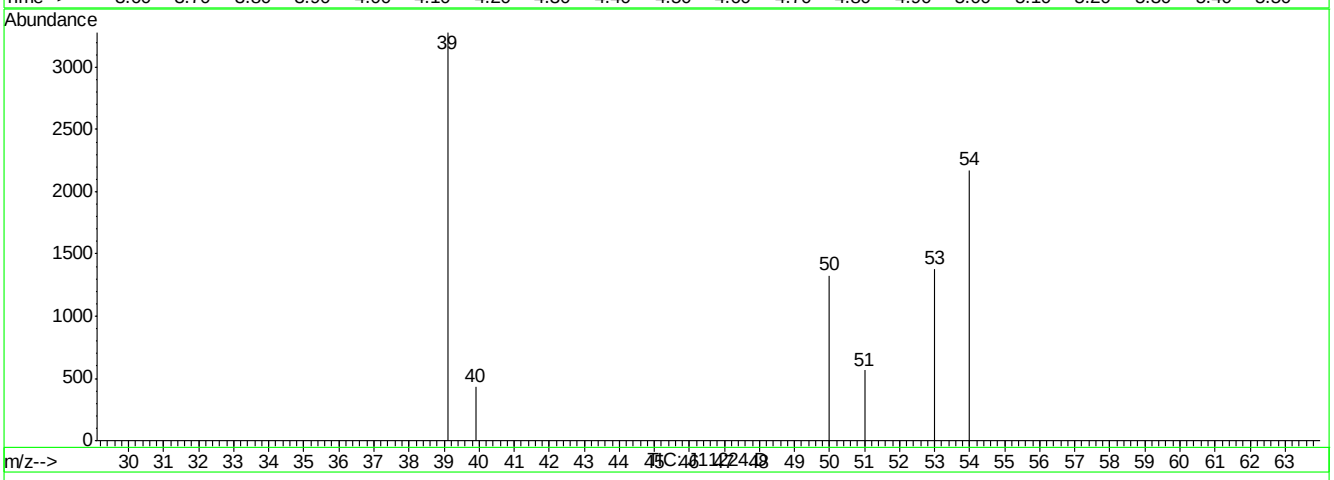
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11224.D Vial: 3
Acq On : 6 Sep 2007 8:18 pm Operator: PhilipB
Sample : IC589-.5 (M187) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 11:00:34 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:00:28 2007
Response via : Multiple Level Calibration





(7) 1,3-BUTADIENE (m)

4.58min 0.20PPBV

response 2934

Ion	Exp%	Act%
39.00	100	100
54.00	88.50	175.60#
53.00	62.70	136.84#
0.00	0.00	0.00

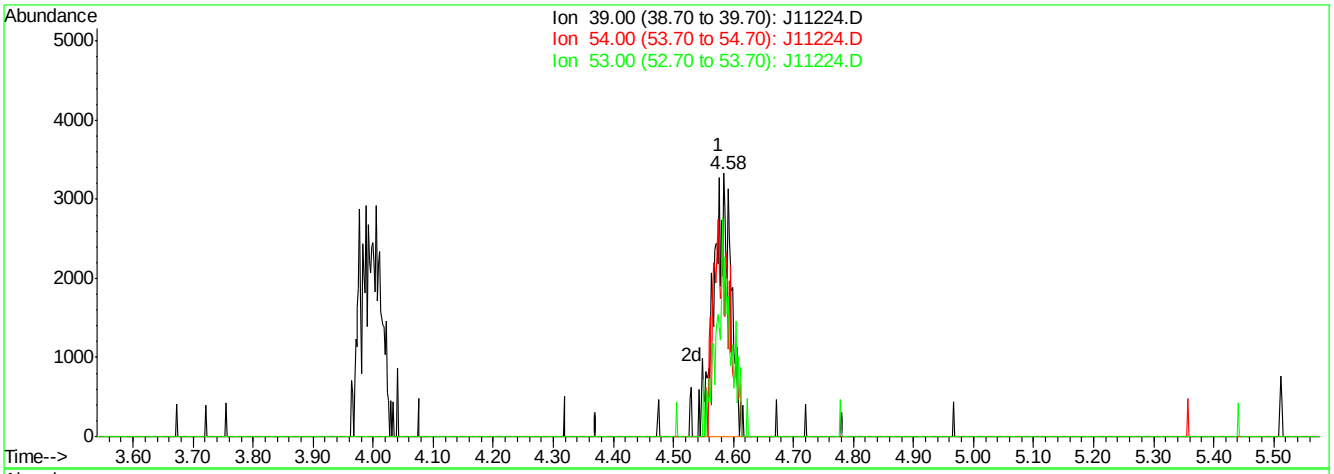
J11224.D J090607T.M Fri Sep 07 11:00:48 2007

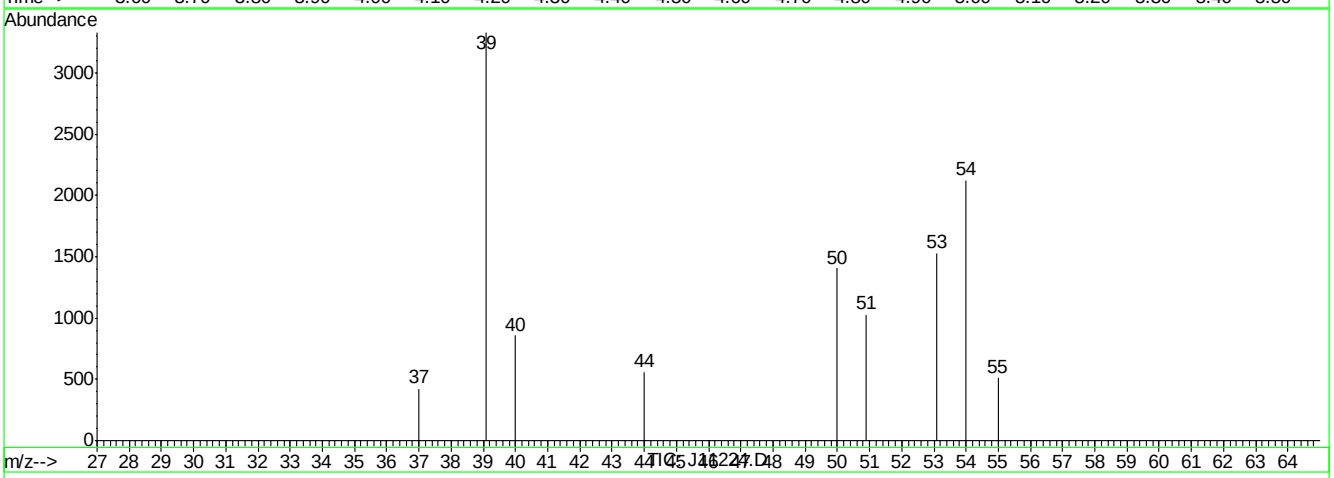
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11224.D Vial: 3
Acq On : 6 Sep 2007 8:18 pm Operator: PhilipB
Sample : IC589-.5 (M187) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 11:00:34 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:00:28 2007
Response via : Multiple Level Calibration





(7) 1,3-BUTADIENE (m)

4.58min 0.46PPBV m

response 6618

Ion	Exp%	Act%
39.00	100	100
54.00	88.50	77.85
53.00	62.70	60.67
0.00	0.00	0.00

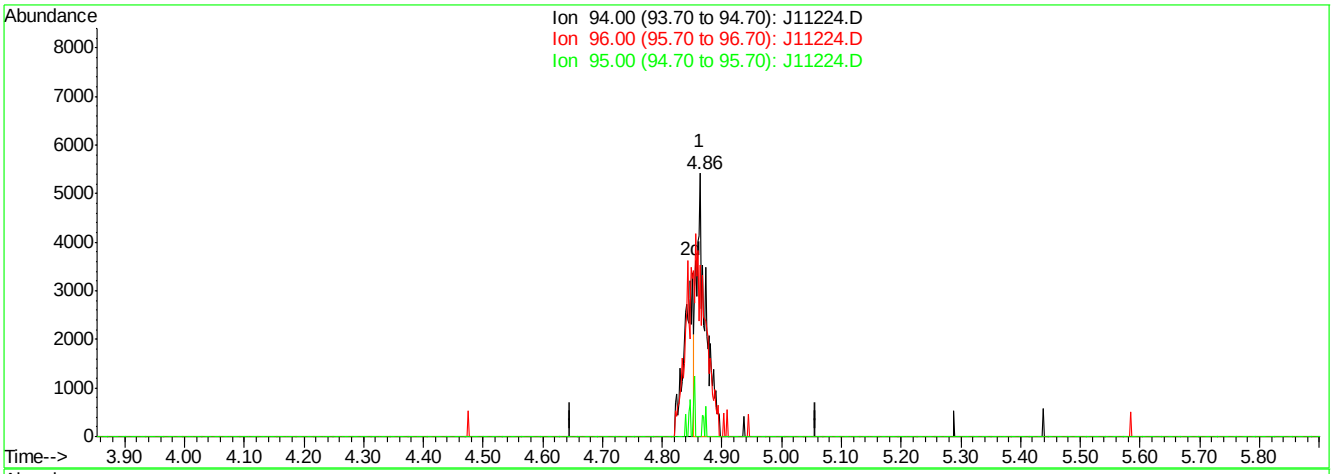
J11224.D J090607T.M Fri Sep 07 11:00:51 2007

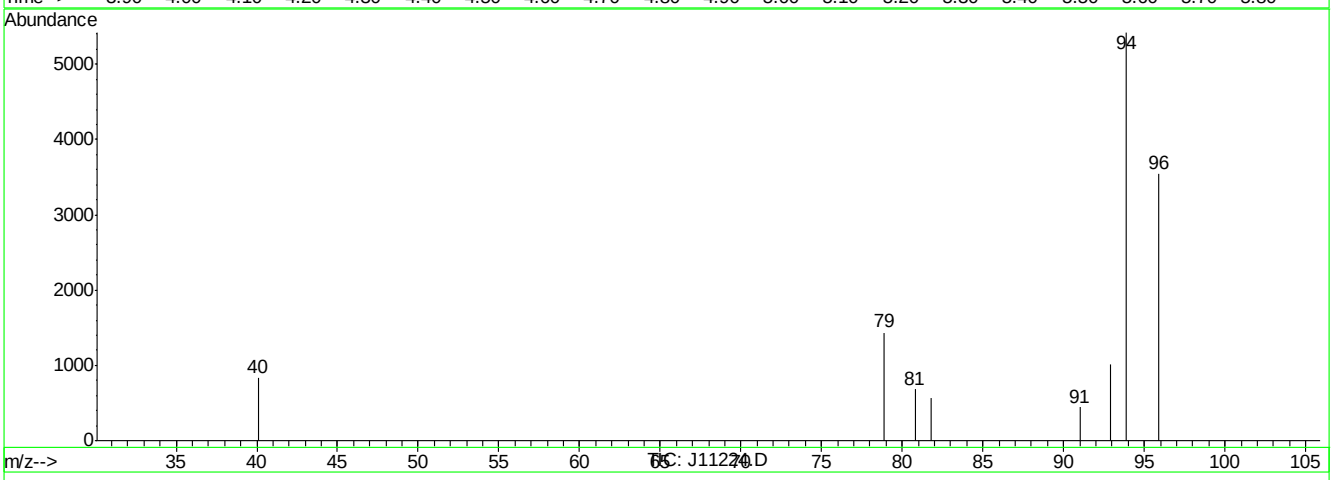
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11224.D Vial: 3
Acq On : 6 Sep 2007 8:18 pm Operator: PhilipB
Sample : IC589-.5 (M187) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 11:00:34 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:00:28 2007
Response via : Multiple Level Calibration





(8) BROMOMETHANE (m)

4.86min 0.25PPBV

response 5633

Ion	Exp%	Act%
94.00	100	100
96.00	94.50	113.26
95.00	15.90	7.24
0.00	0.00	0.00

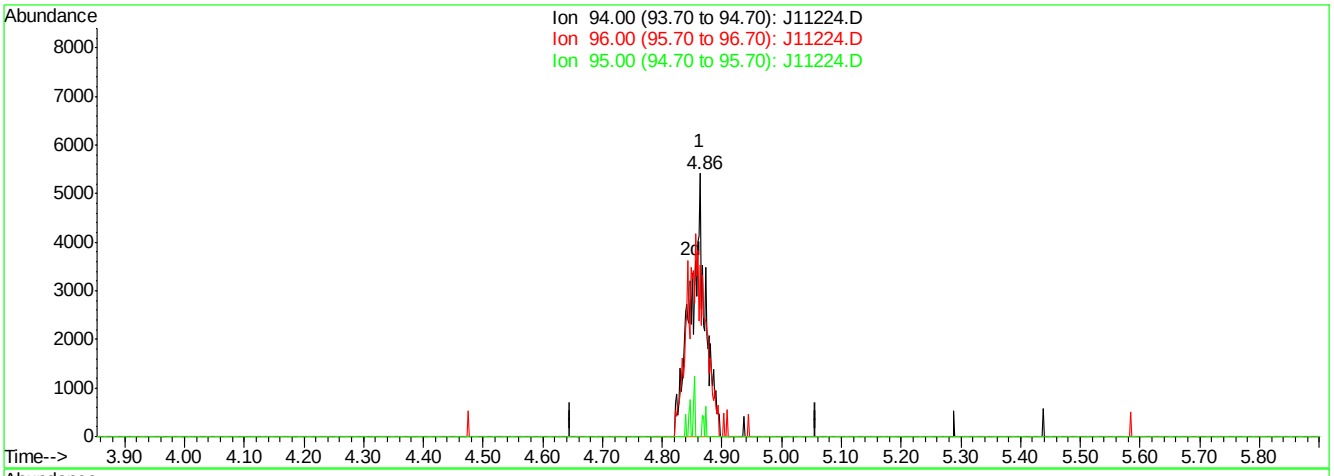
J11224.D J090607T.M Fri Sep 07 11:00:55 2007

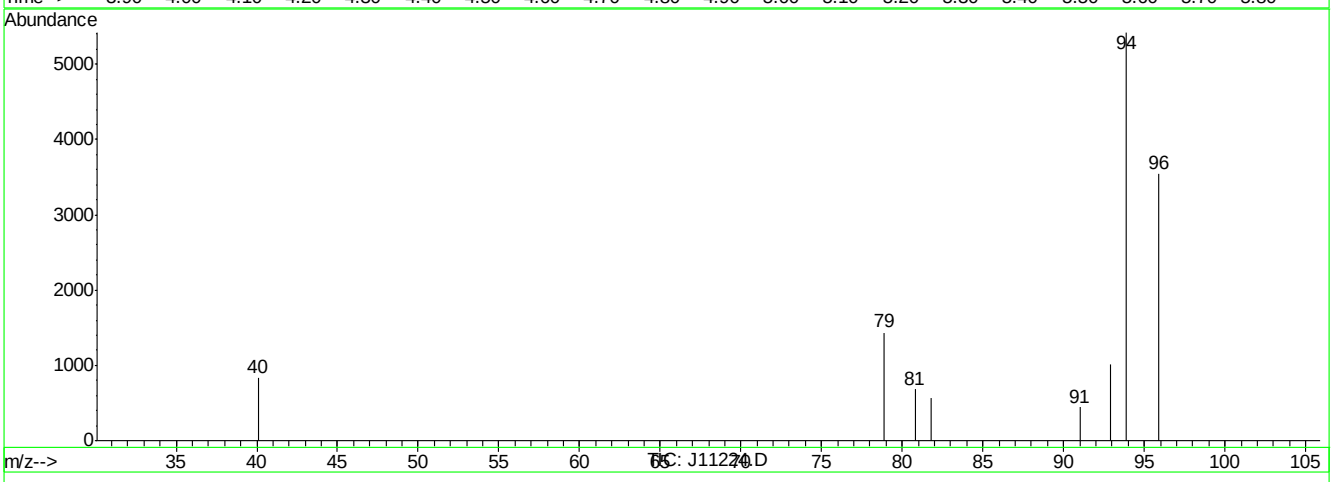
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11224.D Vial: 3
Acq On : 6 Sep 2007 8:18 pm Operator: PhilipB
Sample : IC589-.5 (M187) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 11:00:34 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:00:28 2007
Response via : Multiple Level Calibration





(8) BROMOMETHANE (m)

4.86min 0.41PPBV m

response 9226

Ion	Exp%	Act%
94.00	100	100
96.00	94.50	69.15#
95.00	15.90	4.42
0.00	0.00	0.00

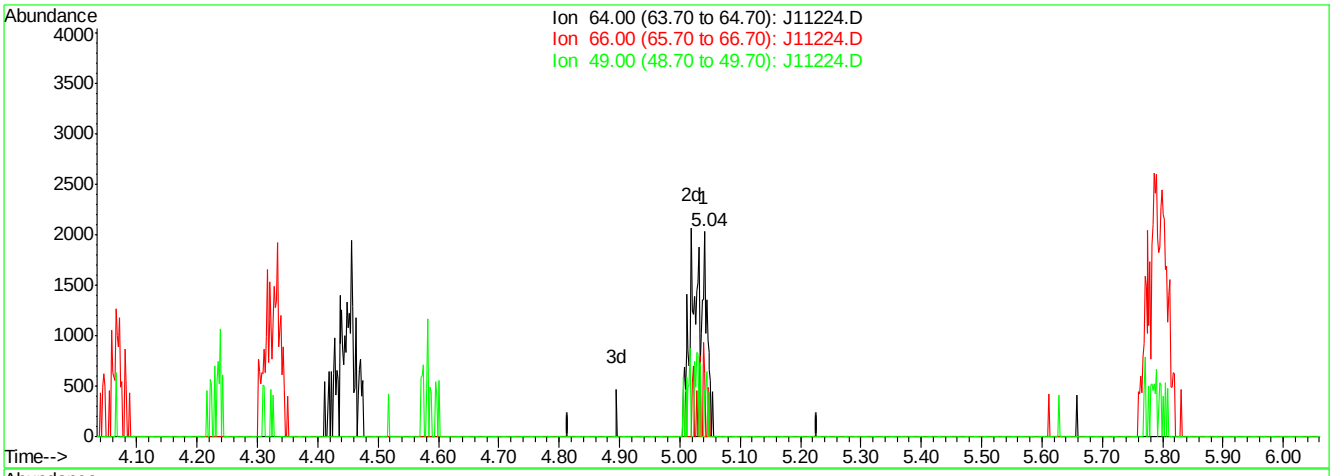
J11224.D J090607T.M Fri Sep 07 11:00:58 2007

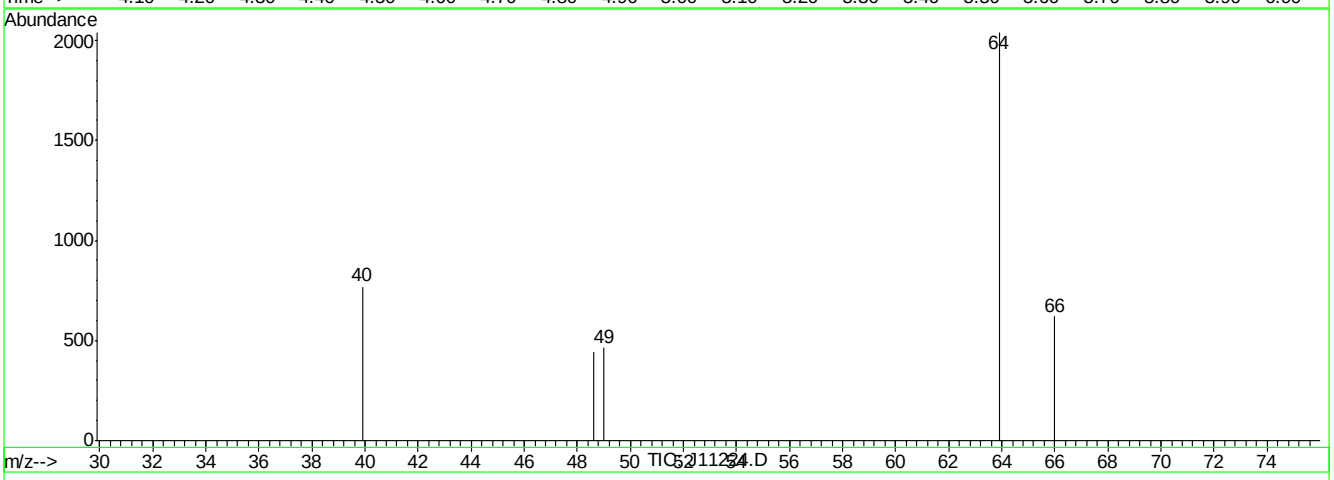
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11224.D Vial: 3
Acq On : 6 Sep 2007 8:18 pm Operator: PhilipB
Sample : IC589-.5 (M187) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 11:00:34 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:00:28 2007
Response via : Multiple Level Calibration





(9) CHLOROETHANE (m)

5.04min 0.14PPBV

response 1235

Ion	Exp%	Act%
64.00	100	100
66.00	32.80	28.34
49.00	31.90	17.33
0.00	0.00	0.00

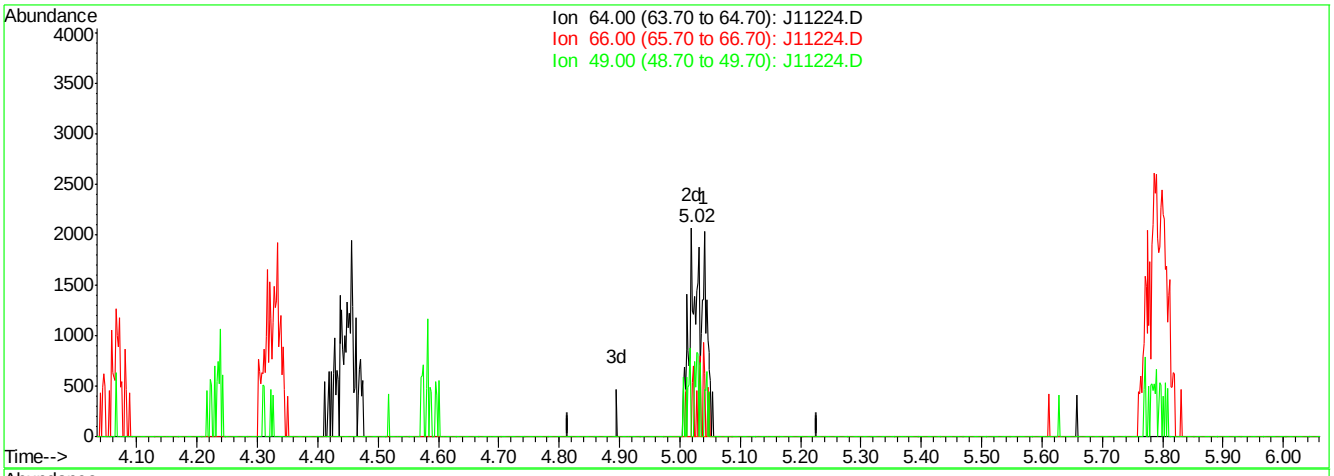
J11224.D J090607T.M Fri Sep 07 11:01:02 2007

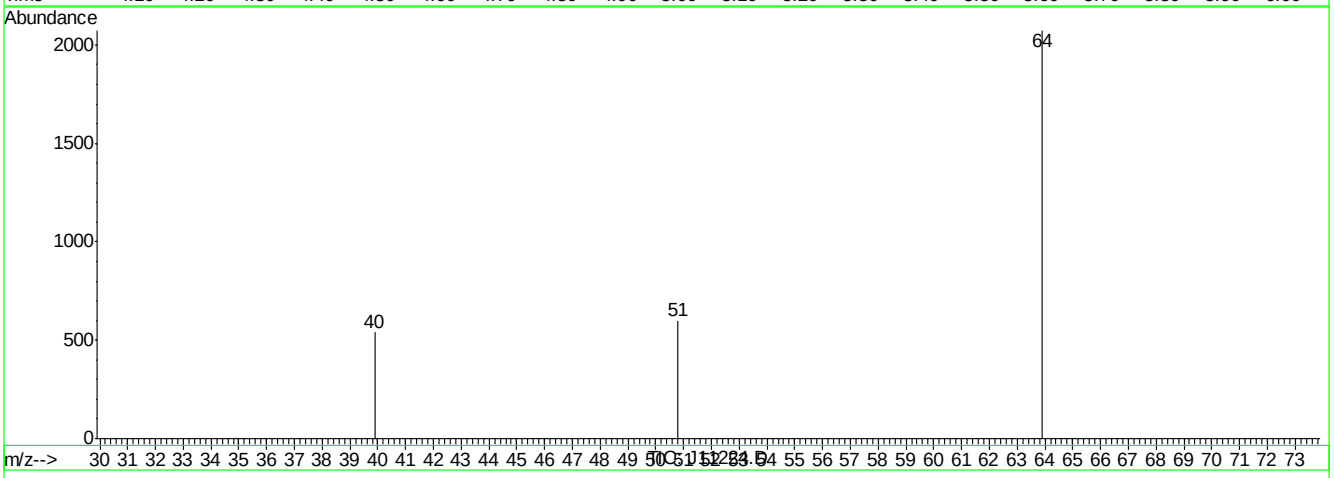
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11224.D Vial: 3
Acq On : 6 Sep 2007 8:18 pm Operator: PhilipB
Sample : IC589-.5 (M187) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 11:00:34 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:00:28 2007
Response via : Multiple Level Calibration





(9) CHLOROETHANE (m)

5.02min 0.38PPBV m

response 3238

Ion	Exp%	Act%
64.00	100	100
66.00	32.80	10.81#
49.00	31.90	6.61#
0.00	0.00	0.00

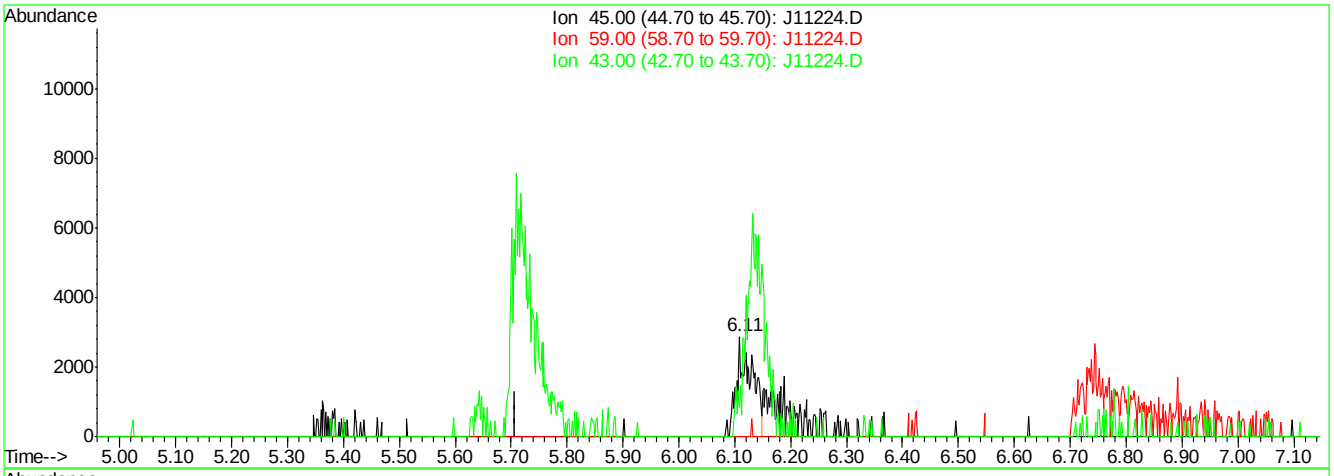
J11224.D J090607T.M Fri Sep 07 11:01:05 2007

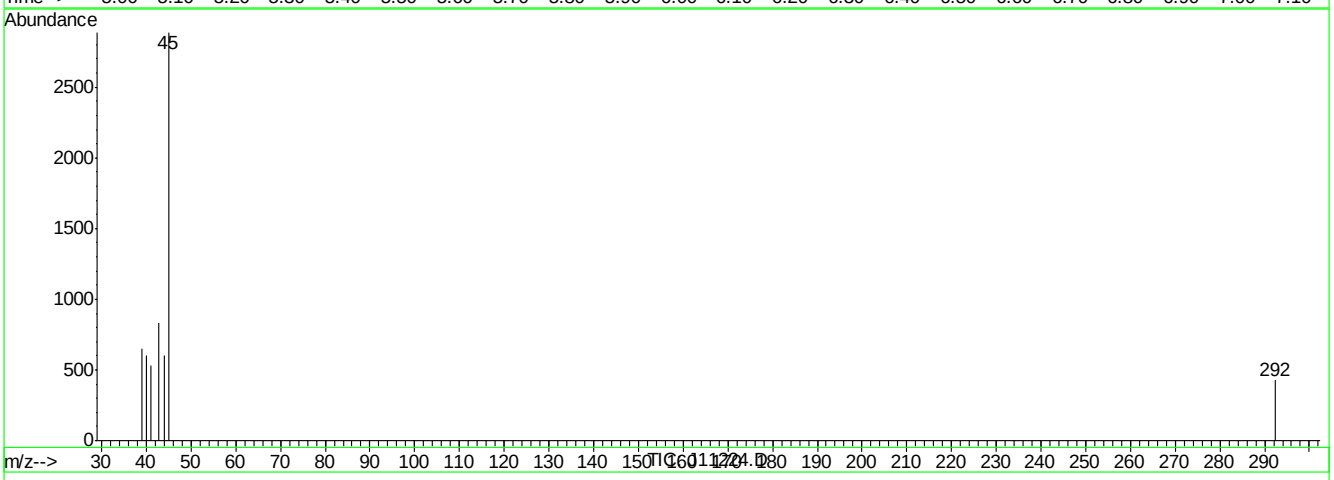
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11224.D Vial: 3
Acq On : 6 Sep 2007 8:18 pm Operator: PhilipB
Sample : IC589-.5 (M187) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 11:00:34 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:00:28 2007
Response via : Multiple Level Calibration





(11) ISOPROPYL ALCOHOL (m)

6.11min 0.24PPBV

response 5403

Ion	Exp%	Act%
45.00	100	100
59.00	3.60	0.00
43.00	24.20	28.90
0.00	0.00	0.00

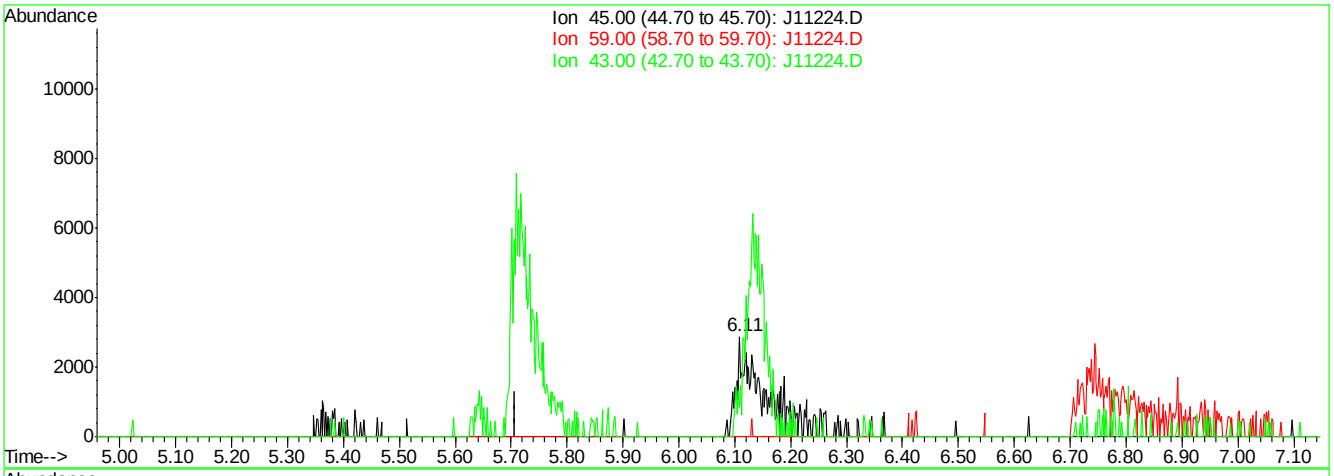
J11224.D J090607T.M Fri Sep 07 11:01:10 2007

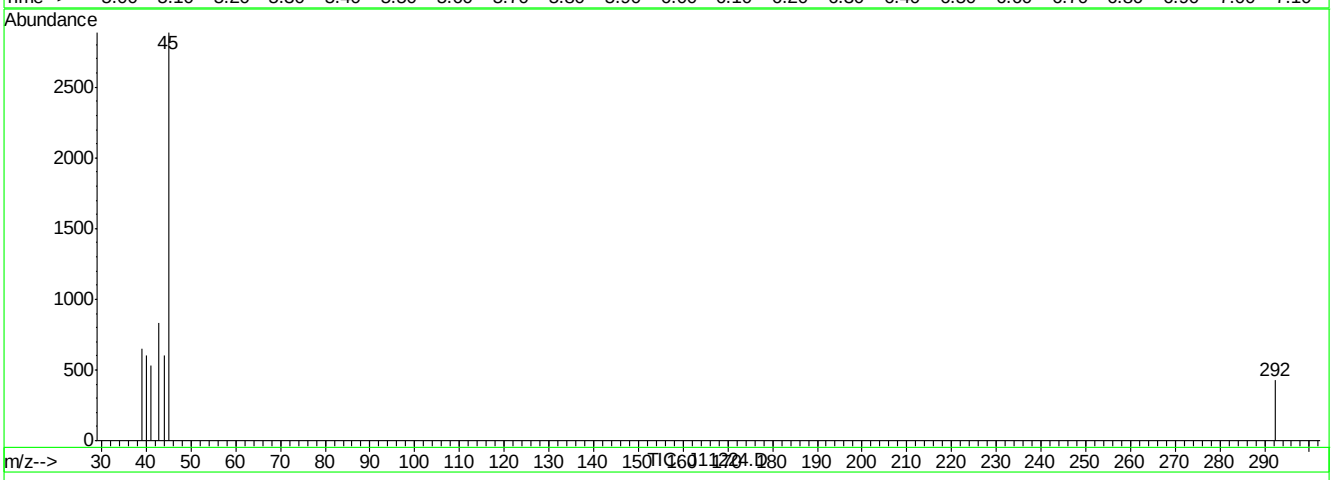
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11224.D Vial: 3
Acq On : 6 Sep 2007 8:18 pm Operator: PhilipB
Sample : IC589-.5 (M187) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 11:00:34 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:00:28 2007
Response via : Multiple Level Calibration





(11) ISOPROPYL ALCOHOL (m)

6.11min 0.47PPBV m

response 10557

Ion	Exp%	Act%
45.00	100	100
59.00	3.60	0.00
43.00	24.20	28.90
0.00	0.00	0.00

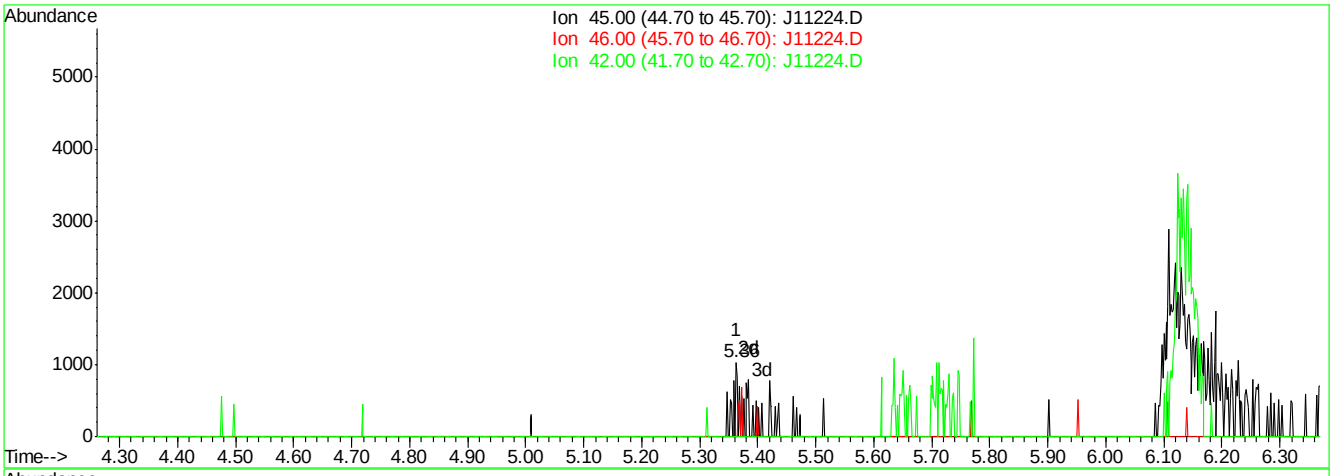
J11224.D J090607T.M Fri Sep 07 11:01:14 2007

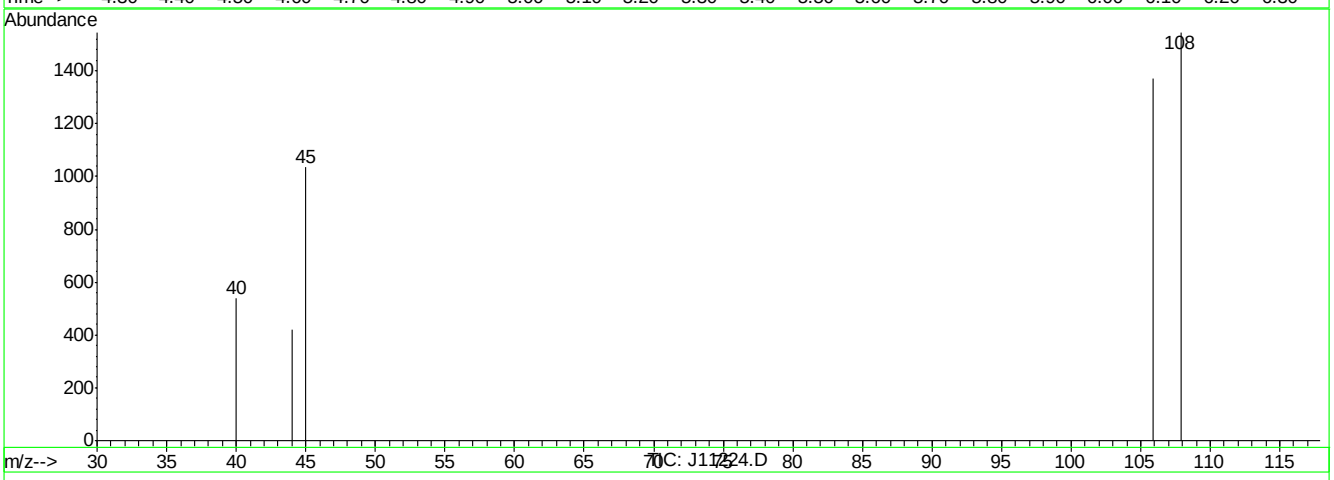
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11224.D Vial: 3
Acq On : 6 Sep 2007 8:18 pm Operator: PhilipB
Sample : IC589-.5 (M187) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 11:00:34 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:00:28 2007
Response via : Multiple Level Calibration





(16) ETHANOL (m)

5.36min 0.12PPBV

response 526

Ion	Exp%	Act%
45.00	100	100
46.00	34.00	32.70
42.00	9.40	0.00
0.00	0.00	0.00

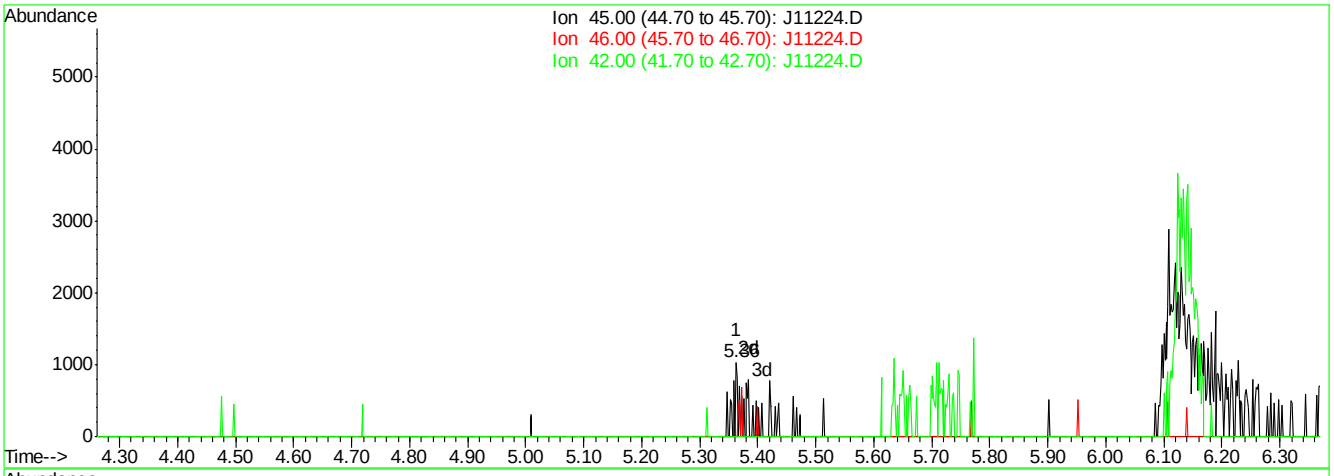
J11224.D J090607T.M Fri Sep 07 11:01:21 2007

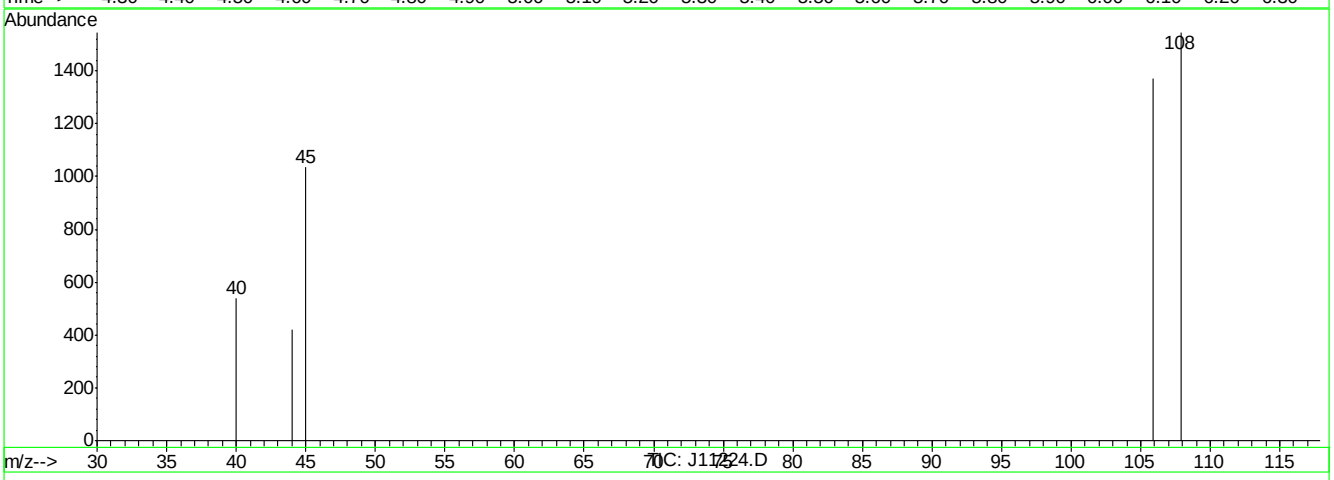
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11224.D Vial: 3
Acq On : 6 Sep 2007 8:18 pm Operator: PhilipB
Sample : IC589-.5 (M187) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 11:00:34 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:00:28 2007
Response via : Multiple Level Calibration





(16) ETHANOL (m)

5.36min 0.34PPBV m

response 1484

Ion	Exp%	Act%
45.00	100	100
46.00	34.00	11.59#
42.00	9.40	0.00
0.00	0.00	0.00

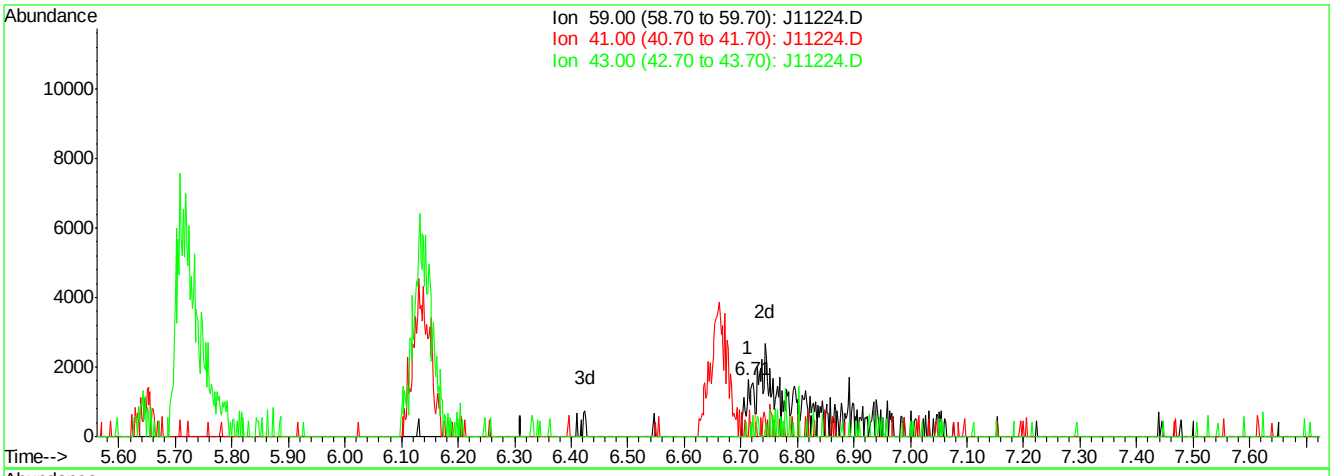
J11224.D J090607T.M Fri Sep 07 11:01:24 2007

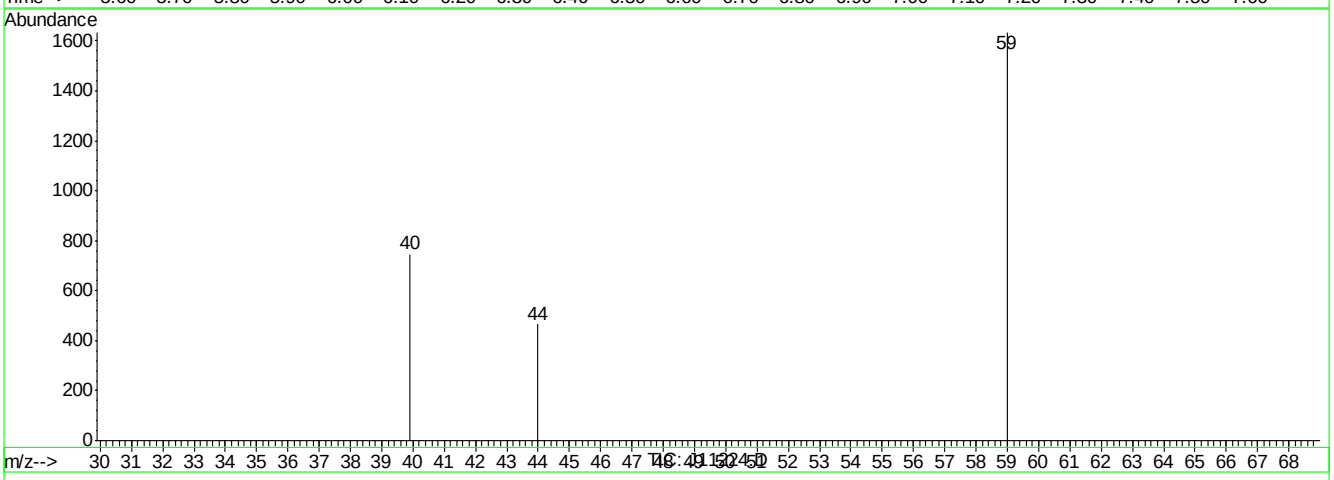
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11224.D Vial: 3
Acq On : 6 Sep 2007 8:18 pm Operator: PhilipB
Sample : IC589-.5 (M187) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 11:00:34 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:00:28 2007
Response via : Multiple Level Calibration





(22) TERTIARY BUTYL ALCOHOL (m)

6.71min 0.05PPBV

response 1529

Ion	Exp%	Act%
59.00	100	100
41.00	23.80	11.71
43.00	18.40	14.78
0.00	0.00	0.00

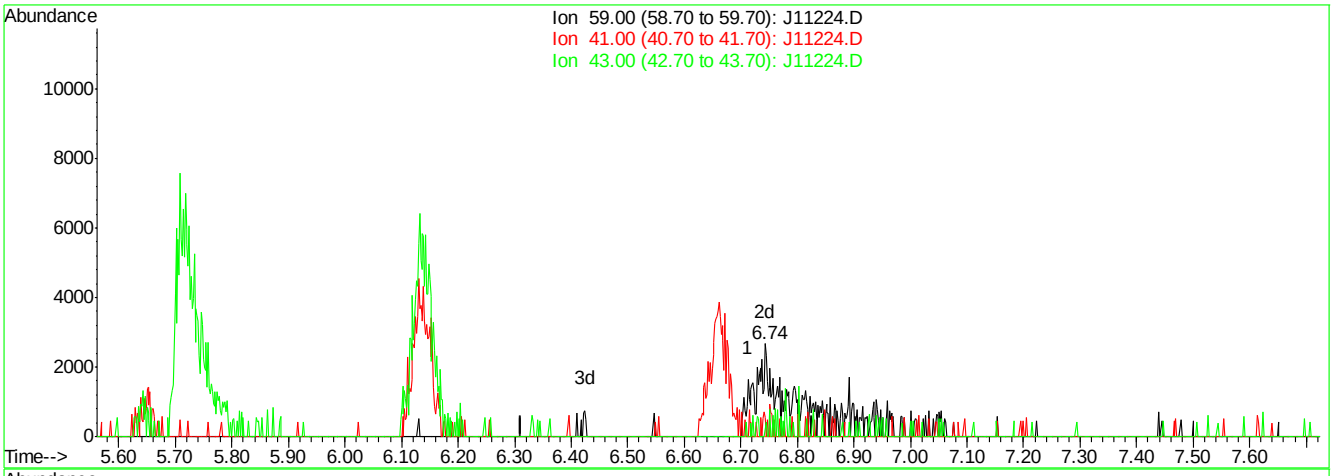
J11224.D J090607T.M Fri Sep 07 11:01:31 2007

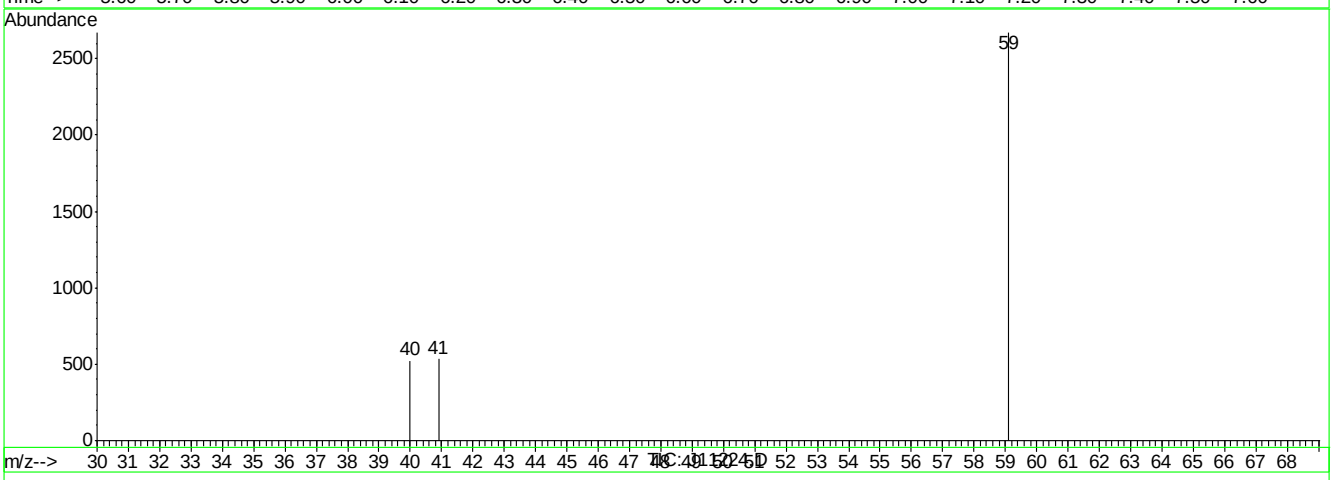
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11224.D Vial: 3
Acq On : 6 Sep 2007 8:18 pm Operator: PhilipB
Sample : IC589-.5 (M187) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 11:00:34 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:00:28 2007
Response via : Multiple Level Calibration





(22) TERTIARY BUTYL ALCOHOL (m)

6.74min 0.43PPBV m

response 14490

Ion	Exp%	Act%
59.00	100	100
41.00	23.80	1.24#
43.00	18.40	1.56
0.00	0.00	0.00

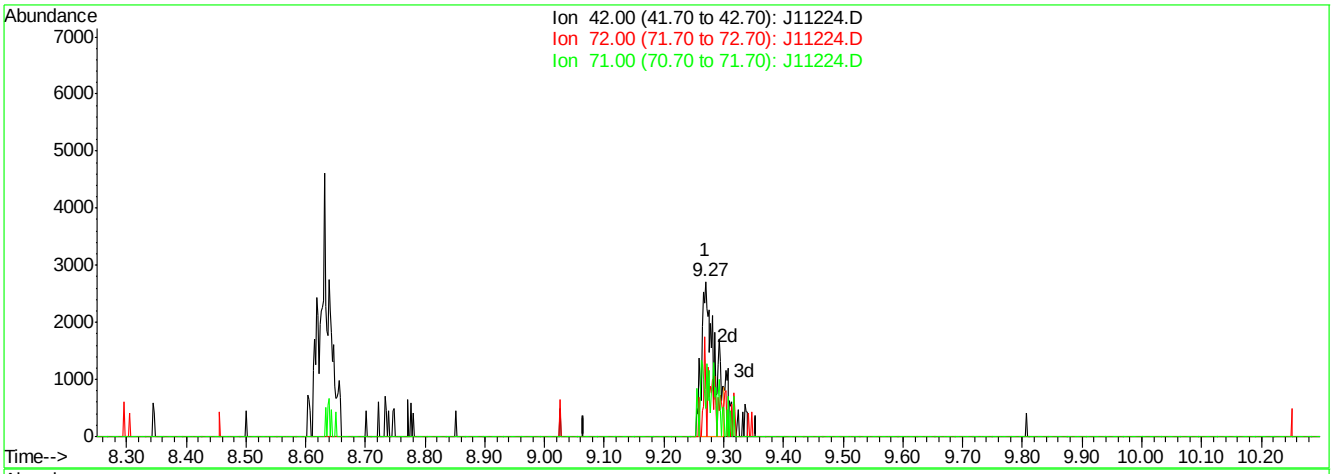
J11224.D J090607T.M Fri Sep 07 11:01:34 2007

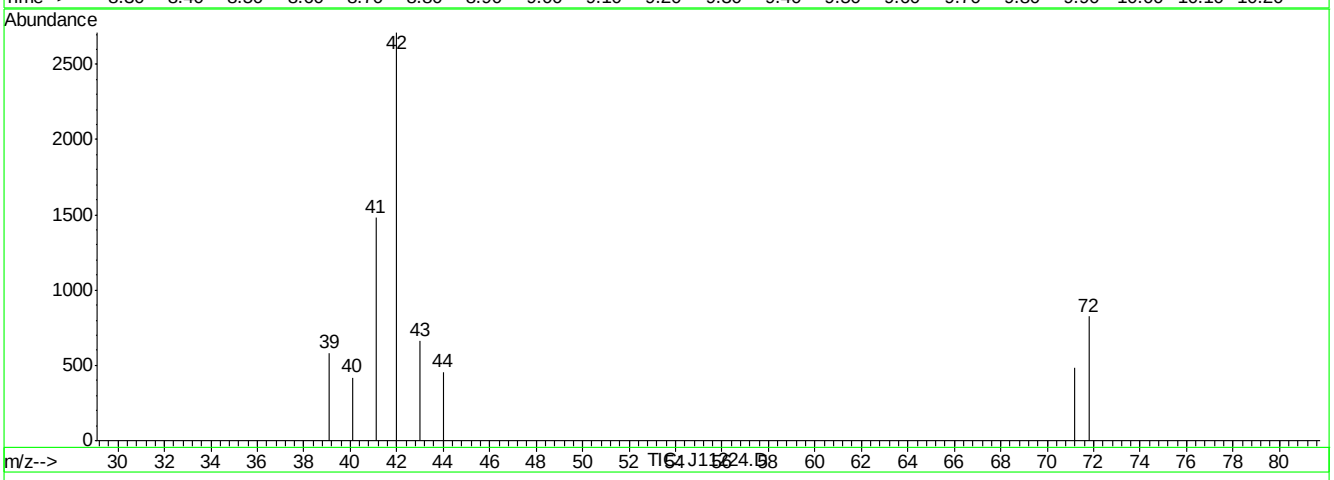
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11224.D Vial: 3
Acq On : 6 Sep 2007 8:18 pm Operator: PhilipB
Sample : IC589-.5 (M187) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 11:00:34 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:00:28 2007
Response via : Multiple Level Calibration





(24) TETRAHYDROFURAN (m)

9.27min 0.37PPBV

response 3996

Ion	Exp%	Act%
42.00	100	100
72.00	45.60	11.31#
71.00	46.90	39.71
0.00	0.00	0.00

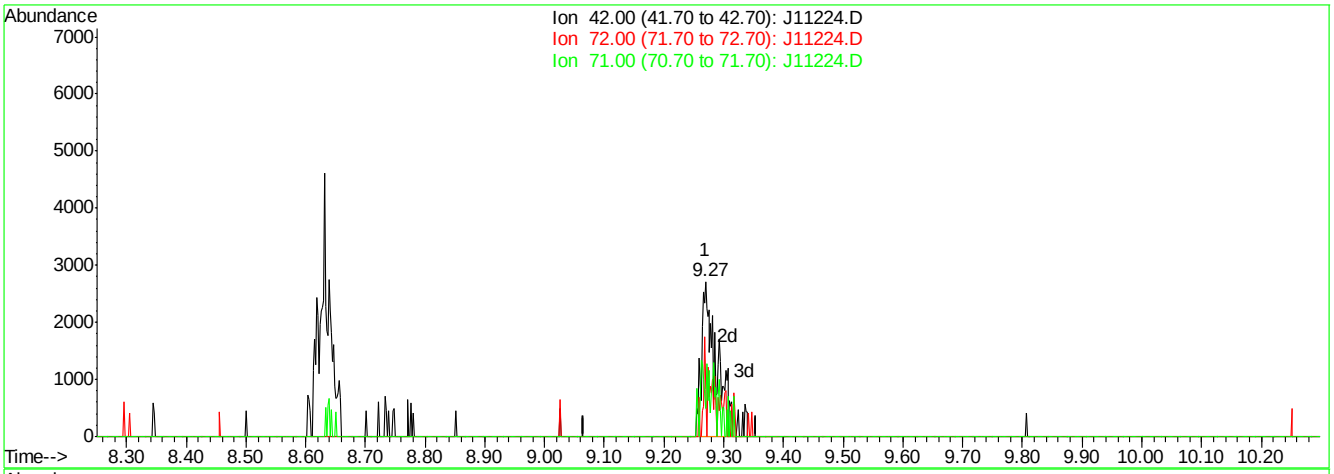
J11224.D J090607T.M Fri Sep 07 11:01:38 2007

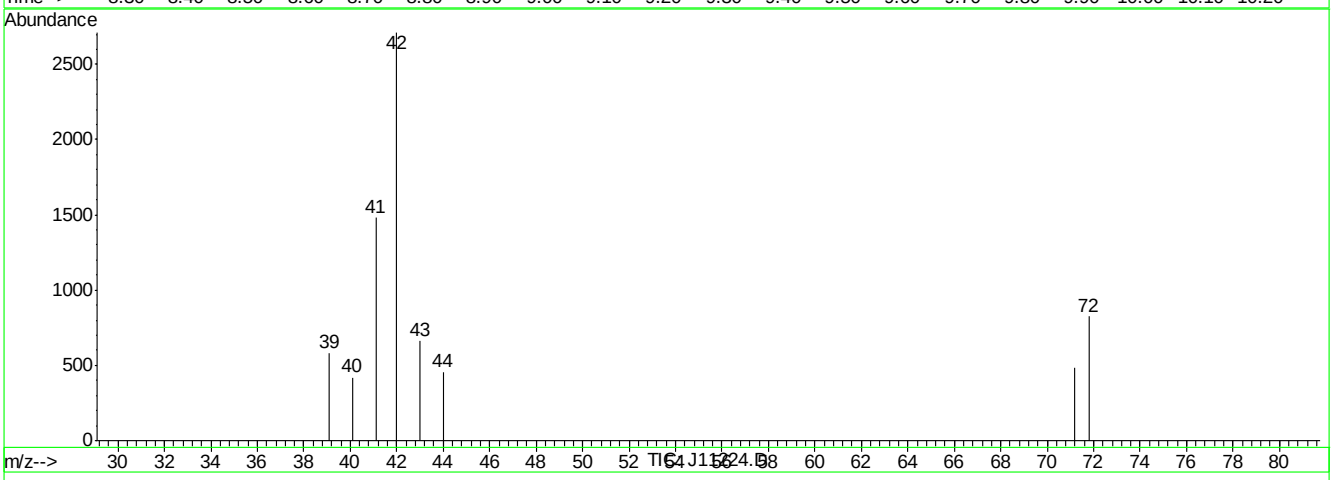
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11224.D Vial: 3
Acq On : 6 Sep 2007 8:18 pm Operator: PhilipB
Sample : IC589-.5 (M187) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 11:00:34 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:00:28 2007
Response via : Multiple Level Calibration





(24) TETRAHYDROFURAN (m)

9.27min 0.45PPBV m

response 4873

Ion	Exp%	Act%
42.00	100	100
72.00	45.60	9.28#
71.00	46.90	32.57
0.00	0.00	0.00

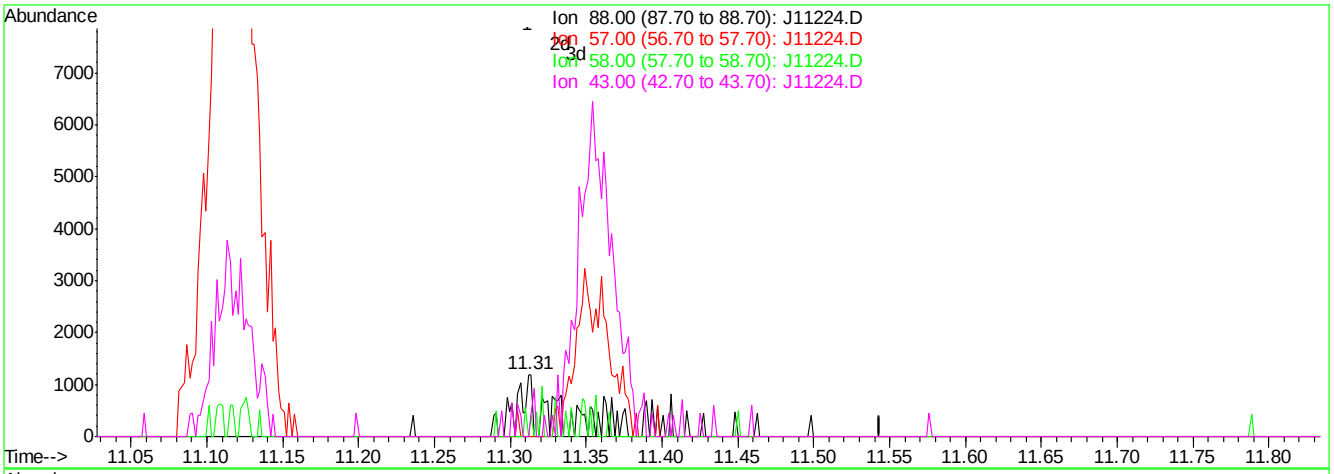
J11224.D J090607T.M Fri Sep 07 11:01:41 2007

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11224.D Vial: 3
Acq On : 6 Sep 2007 8:18 pm Operator: PhilipB
Sample : IC589-.5 (M187) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 11:00:34 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:00:28 2007
Response via : Multiple Level Calibration



(42) 1,4-DIOXANE (m)

11.31min 0.11PPBV

response 838

Ion	Exp%	Act%
88.00	100	100
57.00	27.50	0.00#
58.00	53.10	0.00#
43.00	26.10	0.00#

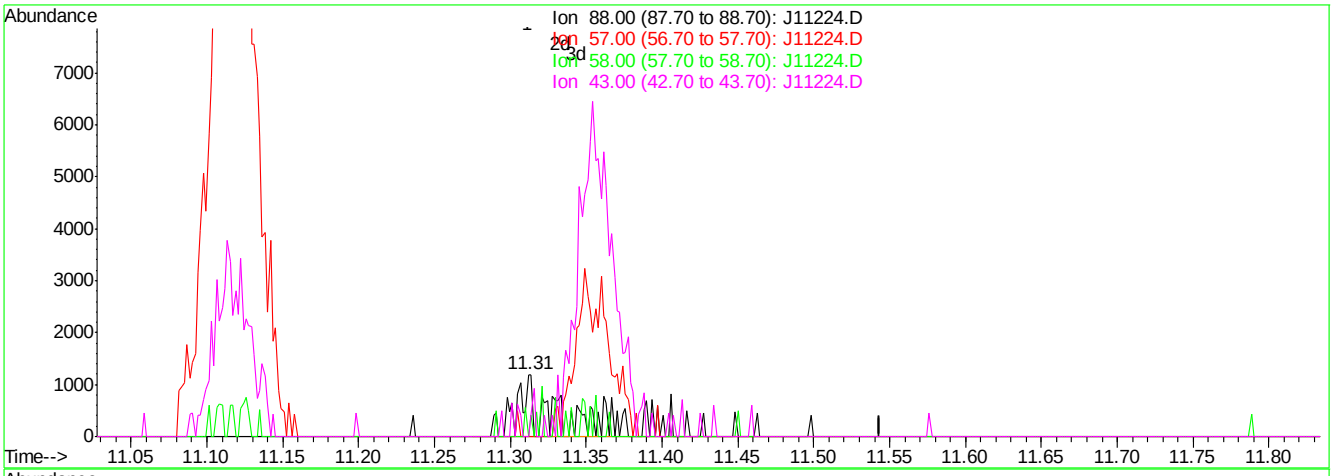
J11224.D J090607T.M Fri Sep 07 11:01:58 2007

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11224.D Vial: 3
Acq On : 6 Sep 2007 8:18 pm Operator: PhilipB
Sample : IC589-.5 (M187) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 11:00:34 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:00:28 2007
Response via : Multiple Level Calibration



(42) 1,4-DIOXANE (m)

11.31min 0.37PPBV m

response 2831

Ion	Exp%	Act%
88.00	100	100
57.00	27.50	0.00#
58.00	53.10	0.00#
43.00	26.10	0.00#

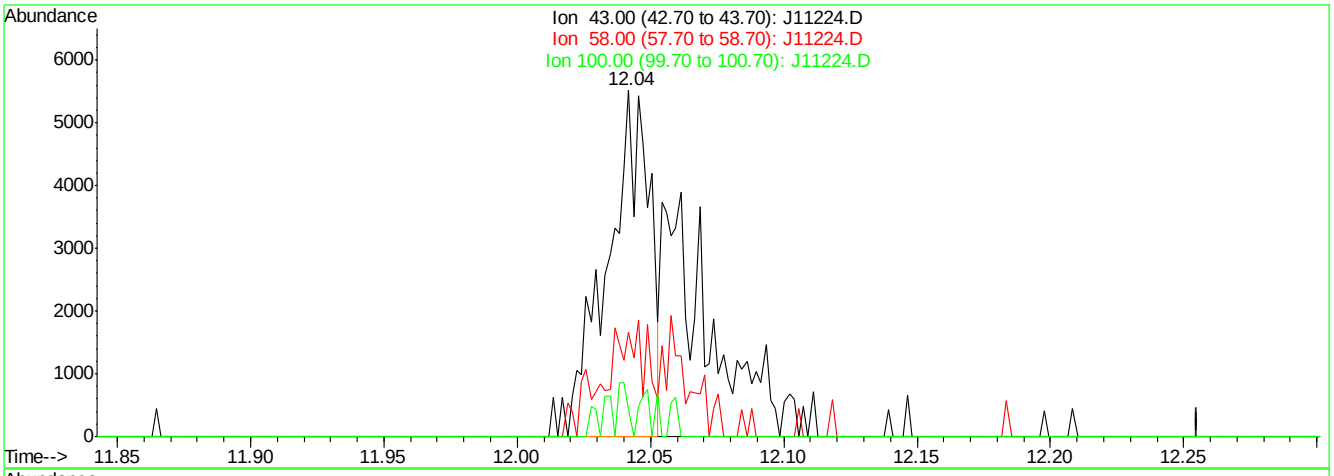
J11224.D J090607T.M Fri Sep 07 11:02:01 2007

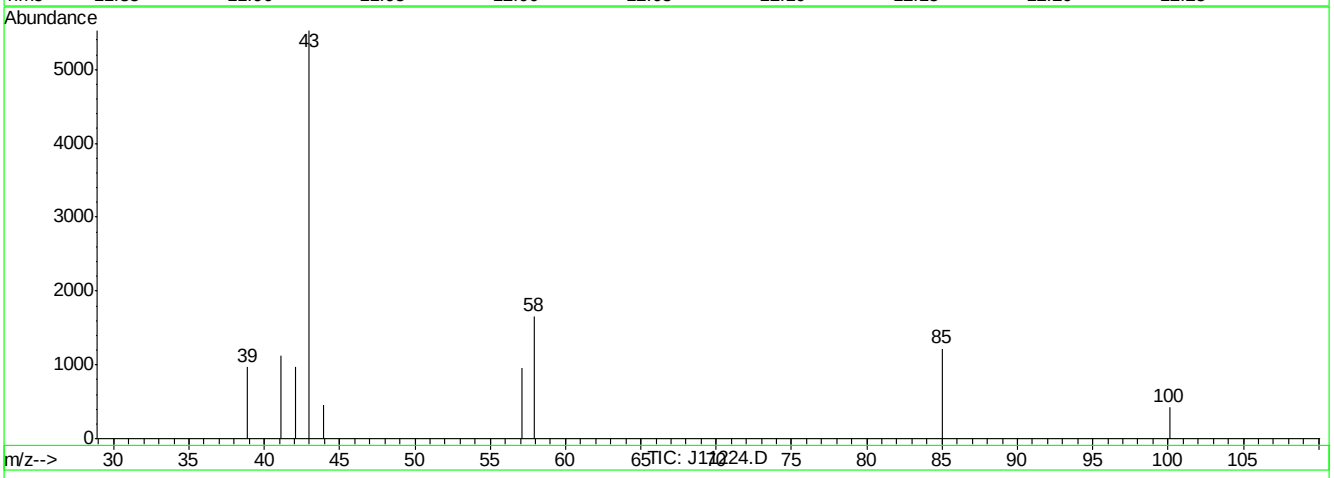
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11224.D Vial: 3
Acq On : 6 Sep 2007 8:18 pm Operator: PhilipB
Sample : IC589-.5 (M187) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 11:00:34 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:00:28 2007
Response via : Multiple Level Calibration





(44) METHYL ISOBUTYL KETONE (m)

12.04min 0.25PPBV

response 6097

Ion	Exp%	Act%
43.00	100	100
58.00	37.60	37.99
100.00	13.50	8.40
0.00	0.00	0.00

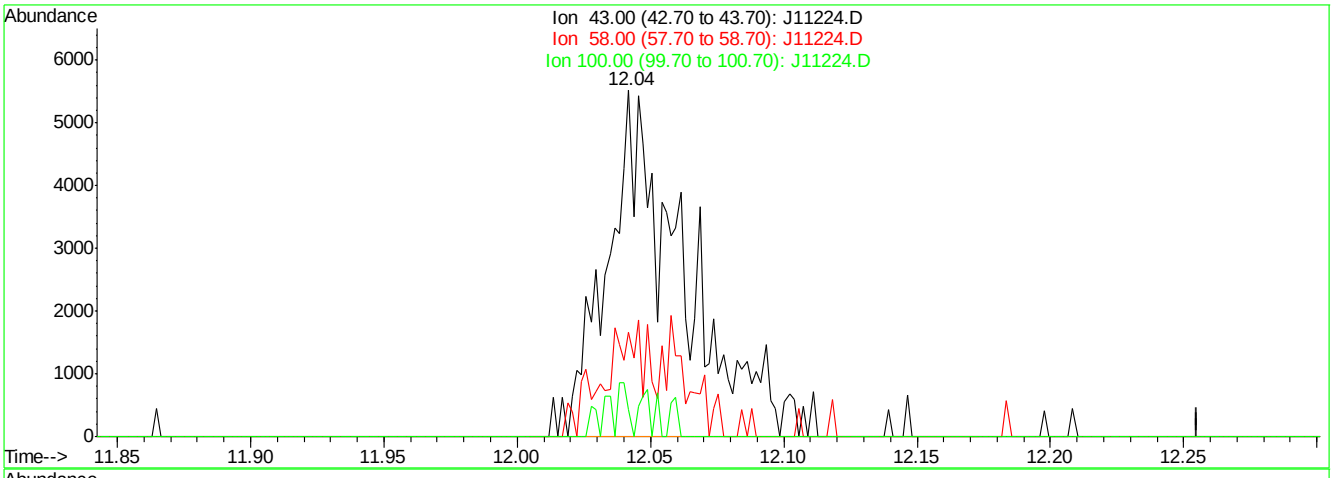
J11224.D J090607T.M Fri Sep 07 11:02:10 2007

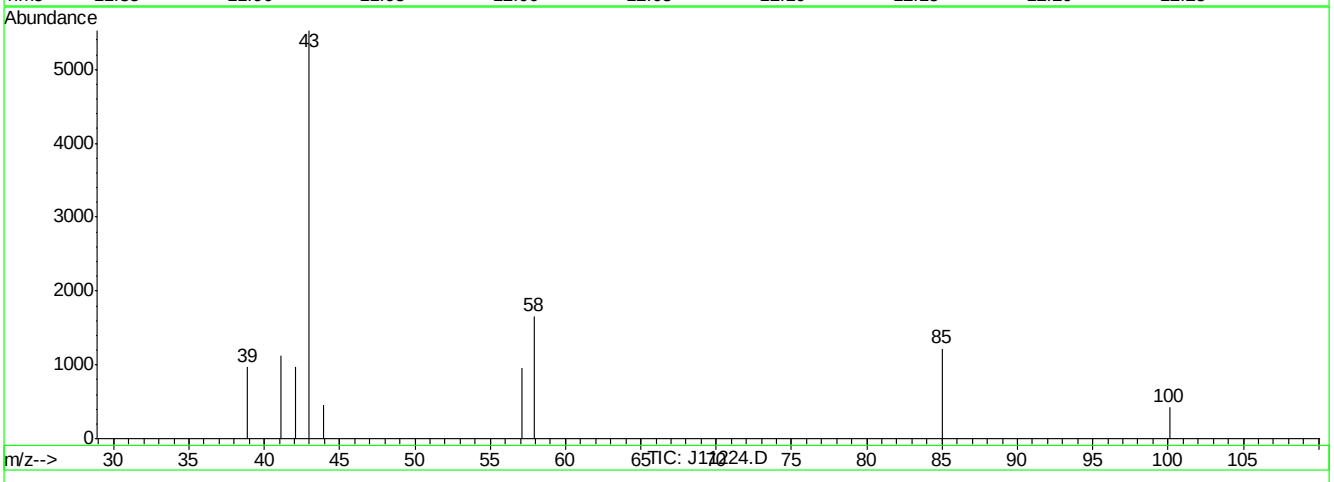
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11224.D Vial: 3
Acq On : 6 Sep 2007 8:18 pm Operator: PhilipB
Sample : IC589-.5 (M187) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 11:00:34 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:00:28 2007
Response via : Multiple Level Calibration





(44) METHYL ISOBUTYL KETONE (m)

12.04min 0.46PPBV m

response 11110

Ion	Exp%	Act%
43.00	100	100
58.00	37.60	20.85
100.00	13.50	4.61
0.00	0.00	0.00

J11224.D J090607T.M Fri Sep 07 11:02:16 2007

Manual Integrations
APPROVED
(compounds with "m" flag)
Doug Yargeau
09/07/07 12:11

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J11225.D
Acq On : 6 Sep 2007 9:05 pm
Operator : PhilipB
Sample : IC589-.2 (M187)
Misc : MS14204, MSJ589,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 07 11:07:37 2007
Quant Method : C:\MSDCHEM\1\METHODS\J090607T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Sep 07 11:02:49 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	178316	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.44	114	700935	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.67	117	450007	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.28	95	103337	4.46	PPBV	-0.01
Spiked Amount 5.000	Range 51 - 142		Recovery = 89.20%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.07	85	17325	0.22	PPBV	71
3) PROPYLENE	4.00	41	2504m	0.22	PPBV	
4) FREON 114	4.33	85	13469	0.21	PPBV #	70
5) CHLOROMETHANE	4.23	50	2468	0.18	PPBV #	42
6) VINYL CHLORIDE	4.45	62	3306m	0.19	PPBV	
7) 1,3-BUTADIENE	4.58	39	2569	0.20	PPBV #	49
8) BROMOMETHANE	4.87	94	3325m	0.17	PPBV	
9) CHLOROETHANE	5.02	64	1103m	0.15	PPBV	
10) TRICHLOROFLUOROMETHANE	5.80	101	17244	0.21	PPBV	94
12) ACETONE	5.75	43	6880m	0.33	PPBV	
13) PENTANE	6.14	42	2264m	0.16	PPBV	
14) 1,1-DICHLOROETHYLENE	6.42	96	3527m	0.19	PPBV	
15) CARBON DISULFIDE	6.86	76	9938	0.19	PPBV	90
17) BROMOETHENE	5.40	106	3178m	0.16	PPBV	
18) METHYLENE CHLORIDE	6.55	84	8050	0.43	PPBV #	83
19) 3-CHLOROPROPENE	6.68	39	2957m	0.17	PPBV	
20) FREON 113	6.80	151	7473m	0.21	PPBV	
21) TRANS-1,2-DICHLOROETHYLENE	7.47	96	2773m	0.16	PPBV	
22) TERTIARY BUTYL ALCOHOL	6.85	59	4033m	0.13	PPBV	
23) METHYL TERTIARY BUTYL ETHE	7.81	73	6763	0.16	PPBV	82
24) TETRAHYDROFURAN	9.34	42	1113m	0.11	PPBV	
25) HEXANE	8.64	57	5827	0.29	PPBV #	80
26) VINYL ACETATE	7.82	43	6648m	0.26	PPBV	
27) 1,1-DICHLOROETHANE	7.66	63	5132m	0.17	PPBV	
28) METHYL ETHYL KETONE	8.19	43	3761m	0.19	PPBV	
29) cis-1,2-DICHLOROETHYLENE	8.47	96	2232	0.14	PPBV #	74
30) ETHYL ACETATE	8.63	43	4858m	0.24	PPBV	
31) CHLOROFORM	8.75	83	8365	0.19	PPBV	95
32) 1,1,1-TRICHLOROETHANE	9.68	97	9688	0.18	PPBV	96
33) CARBON TETRACHLORIDE	10.25	117	10392	0.17	PPBV	99
34) 1,2-DICHLOROETHANE	9.45	62	4810	0.18	PPBV	91
36) BENZENE	10.13	78	6342m	0.18	PPBV	
37) CYCLOHEXANE	10.37	84	3414	0.19	PPBV	89
38) TRICHLOROETHYLENE	11.11	95	3321	0.18	PPBV #	83
39) 1,2-DICHLOROPROPANE	10.90	63	1348	0.12	PPBV #	38
40) BROMODICHLOROMETHANE	11.09	83	7032	0.18	PPBV	97
41) 2,2,4-TRIMETHYLPENTANE	11.11	57	9168	0.17	PPBV	77
43) HEPTANE	11.35	43	3078	0.17	PPBV #	64
44) METHYL ISOBUTYL KETONE	12.08	43	3043m	0.14	PPBV	
45) cis-1,3-DICHLOROPROPENE	11.94	75	2563	0.14	PPBV #	38
46) TOLUENE	12.89	92	7335	0.28	PPBV	97

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J11225.D
Acq On : 6 Sep 2007 9:05 pm
Operator : PhilipB
Sample : IC589-.2 (M187)
Misc : MS14204, MSJ589,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 07 11:07:37 2007
Quant Method : C:\MSDCHEM\1\METHODS\J090607T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Sep 07 11:02:49 2007
Response via : Initial Calibration

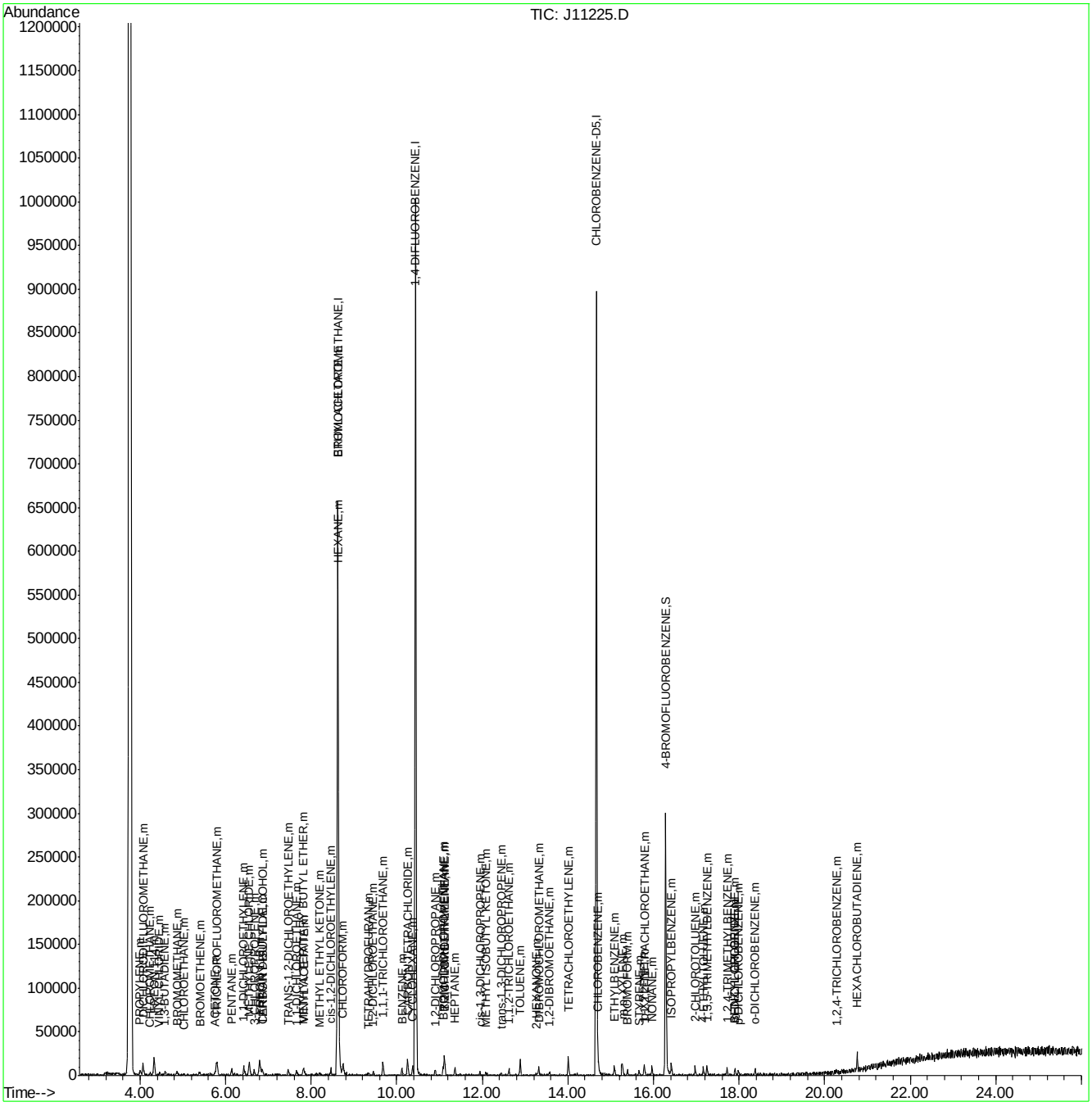
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
47) trans-1,3-DICHLOROPROPENE	12.45	75	2098	0.12 PPBV #	50
48) 1,1,2-TRICHLOROETHANE	12.62	83	1575	0.13 PPBV #	71
50) 2-HEXANONE	13.28	43	3592m	0.22 PPBV	
51) TETRACHLOROETHYLENE	14.01	164	3098m	0.19 PPBV	
52) DIBROMOCHLOROMETHANE	13.32	129	4950	0.18 PPBV	88
53) 1,2-DIBROMOETHANE	13.56	107	2911	0.16 PPBV #	92
54) CHLOROBENZENE	14.71	112	4417	0.17 PPBV	93
55) ETHYLBENZENE	15.09	91	8414	0.18 PPBV #	66
56) m,p-XYLENE	15.28	106	5136m	0.30 PPBV	
57) o-XYLENE	15.78	106	2974	0.17 PPBV	95
58) STYRENE	15.66	104	2825m	0.13 PPBV	
59) NONANE	15.97	43	3150	0.18 PPBV #	73
60) BROMOFORM	15.38	173	2375m	0.10 PPBV	
62) 1,1,2,2-TETRACHLOROETHANE	15.80	83	3187	0.14 PPBV #	45
63) ISOPROPYLBENZENE	16.42	105	8264	0.15 PPBV	93
64) 2-CHLOROTOLUENE	16.97	91	5697	0.14 PPBV	78
65) 4-ETHYLTOLUENE	17.17	105	6423m	0.13 PPBV	
66) 1,3,5-TRIMETHYLBENZENE	17.26	105	6654	0.15 PPBV	88
67) 1,2,4-TRIMETHYLBENZENE	17.72	105	5429	0.13 PPBV	83
68) m-DICHLOROBENZENE	17.90	146	2709	0.11 PPBV	83
69) BENZYL CHLORIDE	17.90	91	2051m	0.08 PPBV	
70) p-DICHLOROBENZENE	17.97	146	2346m	0.10 PPBV	
71) o-DICHLOROBENZENE	18.37	146	2689	0.12 PPBV #	65
72) HEXACHLOROBUTADIENE	20.76	225	2685	0.18 PPBV #	78
73) 1,2,4-TRICHLOROBENZENE	20.28	180	429m	0.06 PPBV	

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J11225.D
Acq On : 6 Sep 2007 9:05 pm
Operator : PhilipB
Sample : IC589-.2 (M187)
Misc : MS14204, MSJ589,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 07 11:07:37 2007
Quant Method : C:\MSDCHEM\1\METHODS\J090607T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Sep 07 11:02:49 2007
Response via : Initial Calibration

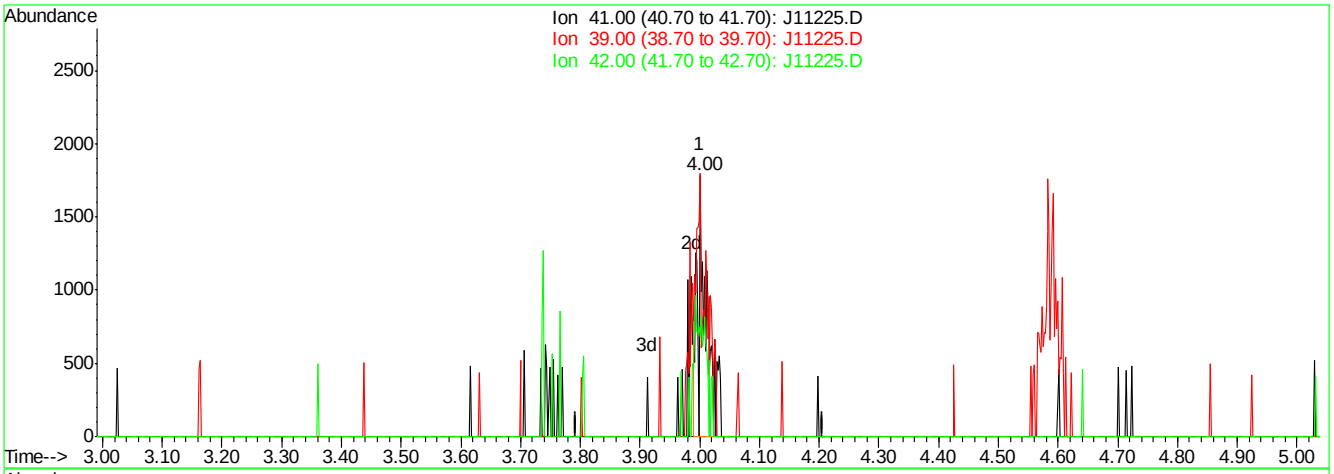


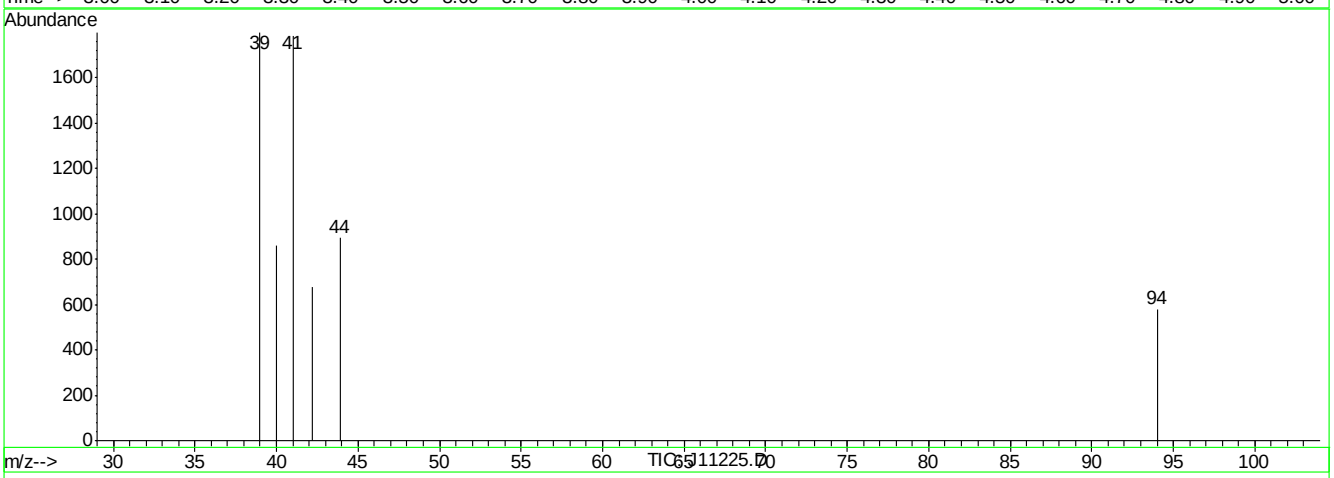
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11225.D Vial: 3
Acq On : 6 Sep 2007 9:05 pm Operator: PhilipB
Sample : IC589-.2 (M187) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 11:02:54 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:02:49 2007
Response via : Multiple Level Calibration





(3) PROPYLENE (m)

4.00min 0.16PPBV

response 1851

Ion	Exp%	Act%
41.00	100	100
39.00	79.40	100.78#
42.00	62.30	38.06#
0.00	0.00	0.00

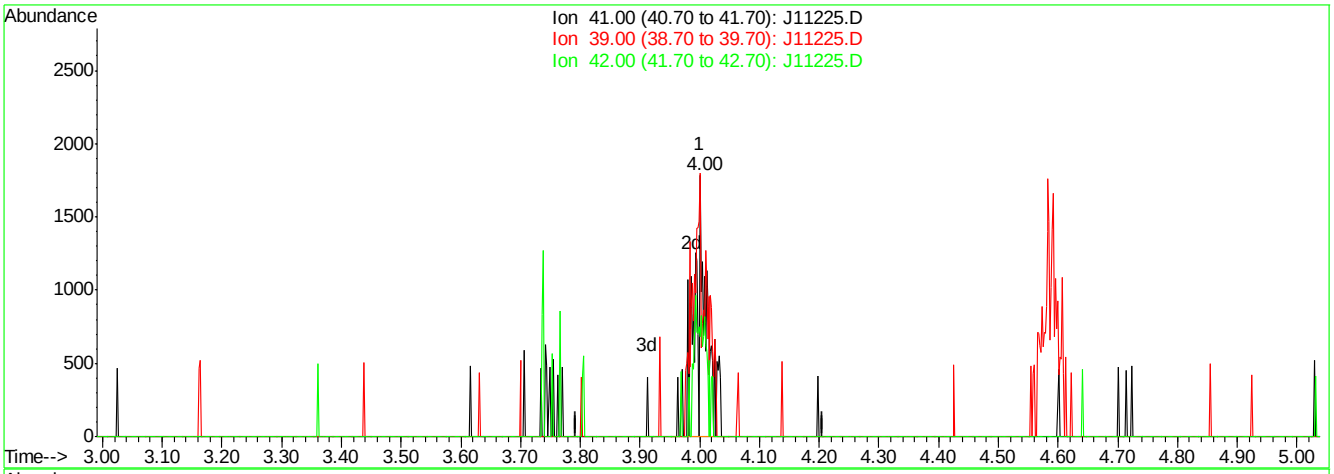
J11225.D J090607T.M Fri Sep 07 11:03:05 2007

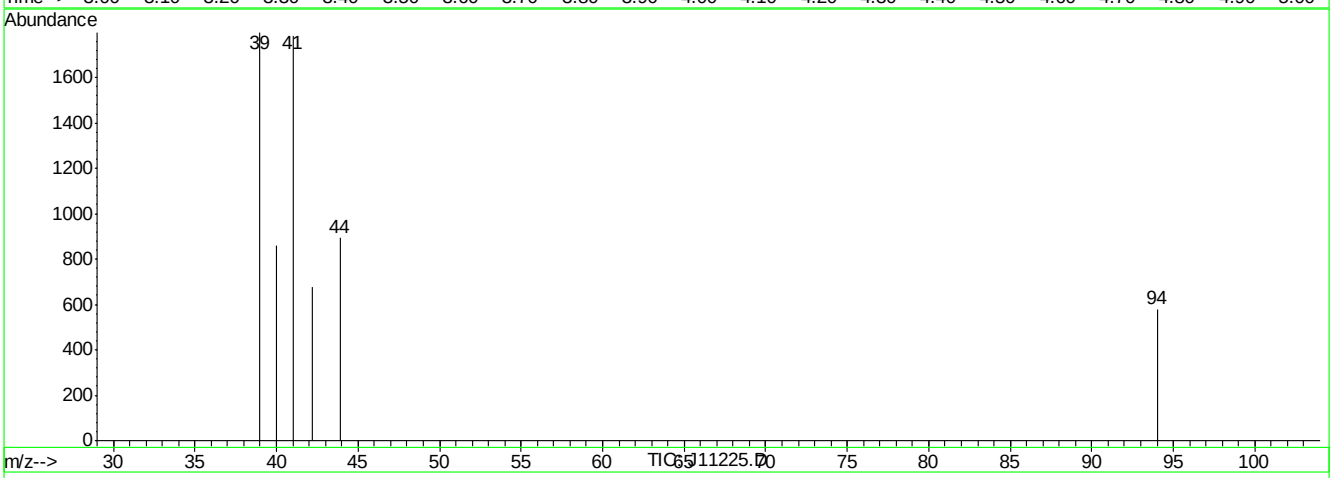
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11225.D Vial: 3
Acq On : 6 Sep 2007 9:05 pm Operator: PhilipB
Sample : IC589-.2 (M187) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 11:02:54 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:02:49 2007
Response via : Multiple Level Calibration





(3) PROPYLENE (m)

4.00min 0.22PPBV m

response 2504

Ion	Exp%	Act%
41.00	100	100
39.00	79.40	100.78#
42.00	62.30	38.06#
0.00	0.00	0.00

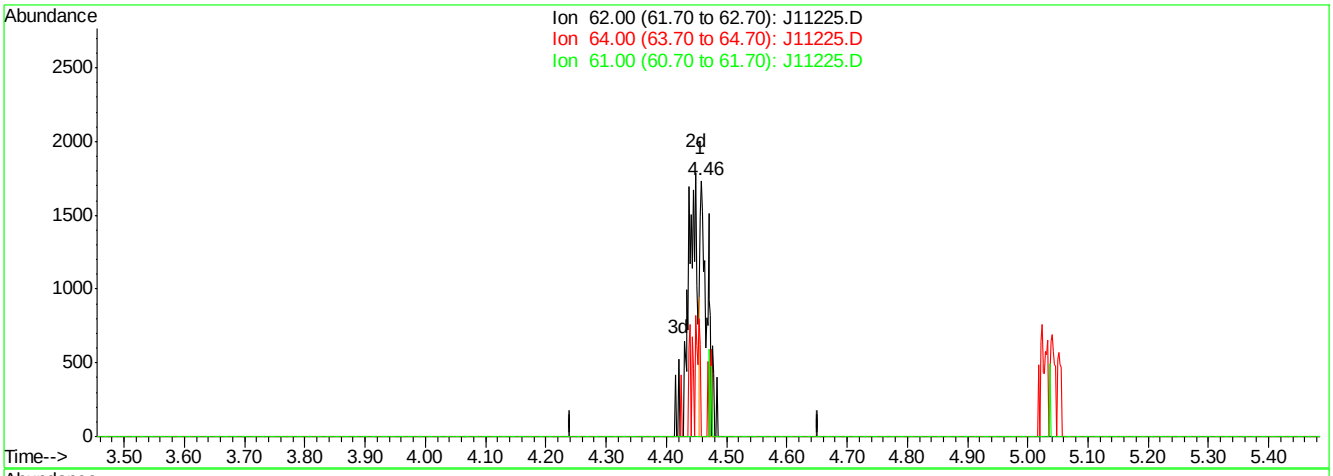
J11225.D J090607T.M Fri Sep 07 11:03:09 2007

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11225.D Vial: 3
Acq On : 6 Sep 2007 9:05 pm Operator: PhilipB
Sample : IC589-.2 (M187) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 11:02:54 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:02:49 2007
Response via : Multiple Level Calibration



(6) VINYL CHLORIDE (m)

4.46min 0.08PPBV

response 1481

Ion	Exp%	Act%
62.00	100	100
64.00	32.00	23.97
61.00	9.00	0.00
0.00	0.00	0.00

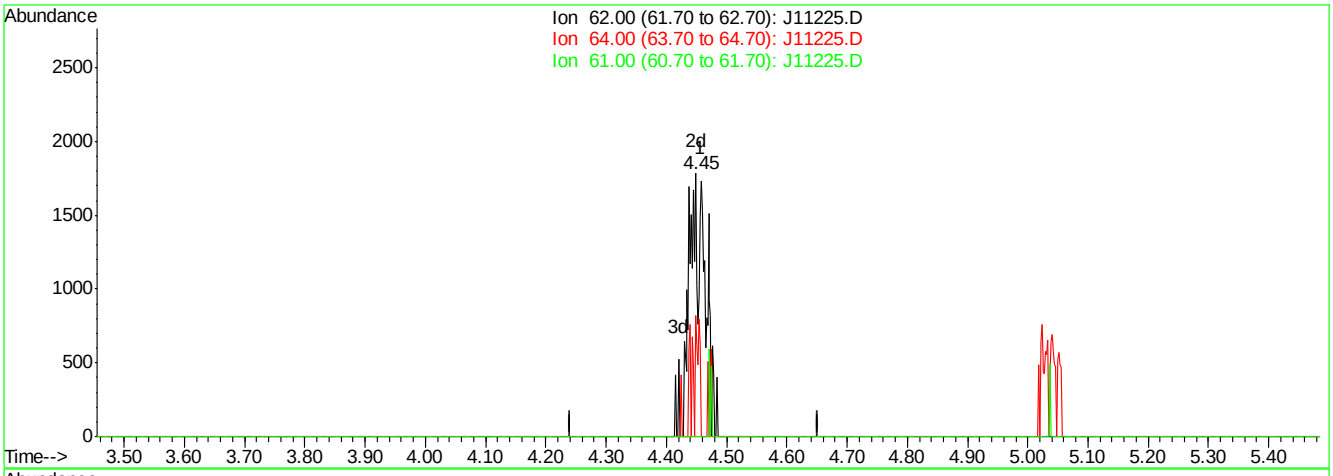
J11225.D J090607T.M Fri Sep 07 11:03:16 2007

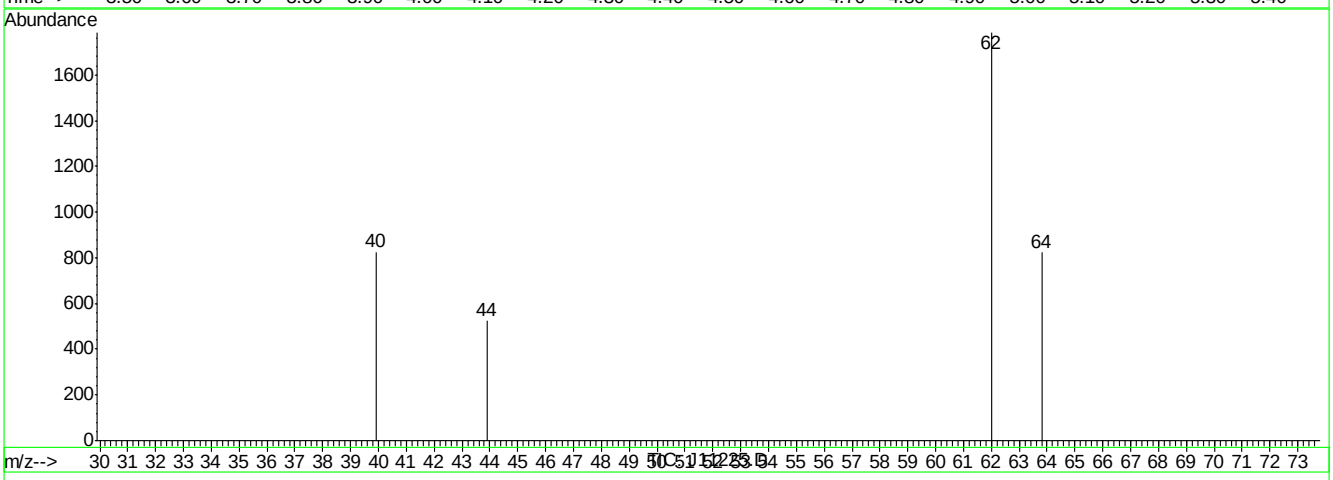
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11225.D Vial: 3
Acq On : 6 Sep 2007 9:05 pm Operator: PhilipB
Sample : IC589-.2 (M187) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 11:02:54 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:02:49 2007
Response via : Multiple Level Calibration





(6) VINYL CHLORIDE (m)

4.45min 0.19PPBV m

response 3306

Ion	Exp%	Act%
62.00	100	100
64.00	32.00	10.74#
61.00	9.00	0.00
0.00	0.00	0.00

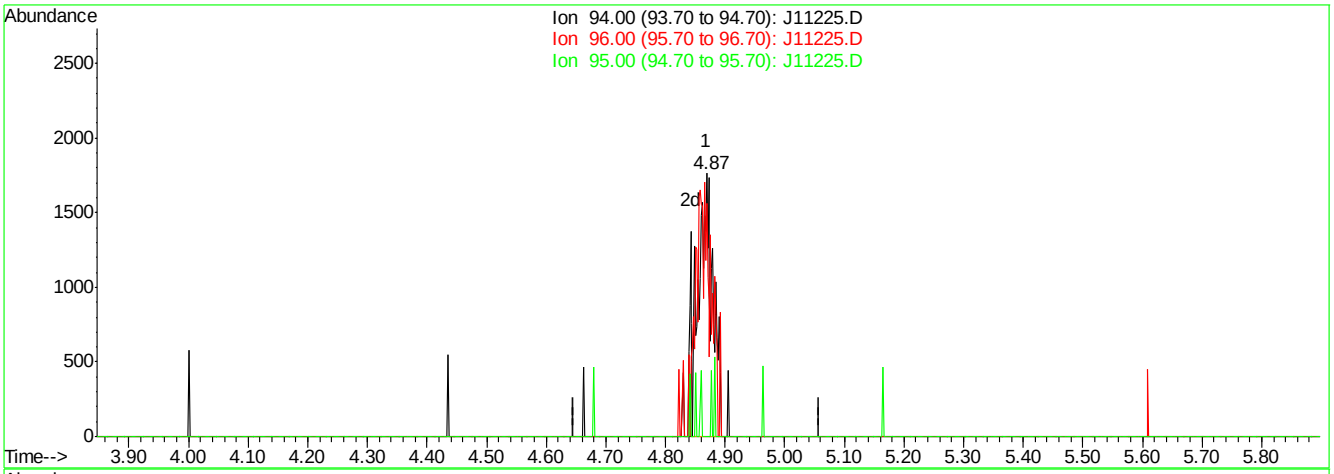
J11225.D J090607T.M Fri Sep 07 11:03:20 2007

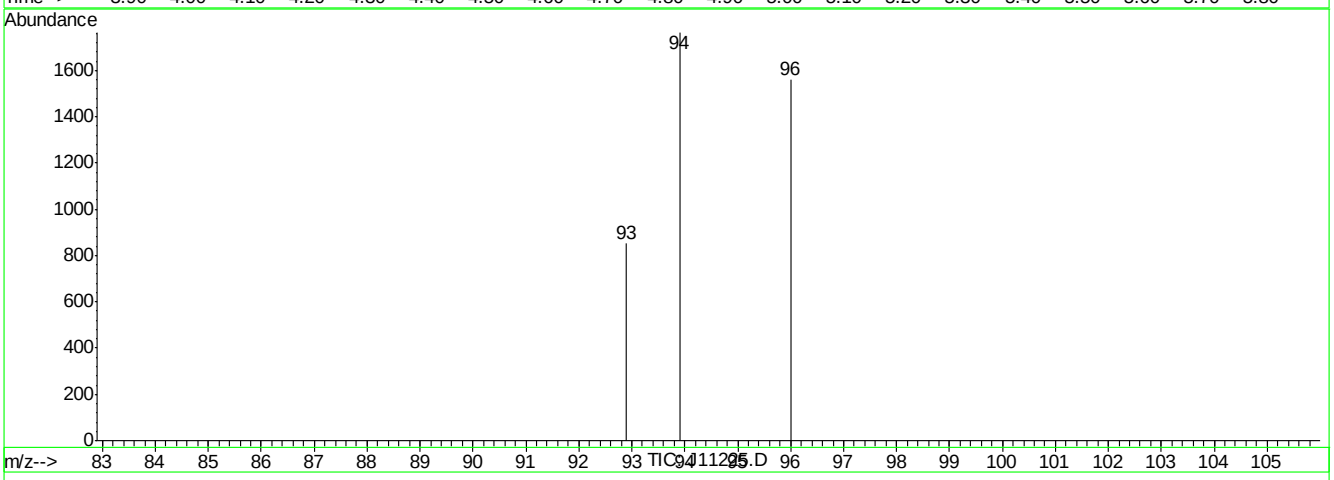
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11225.D Vial: 3
Acq On : 6 Sep 2007 9:05 pm Operator: PhilipB
Sample : IC589-.2 (M187) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 11:02:54 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:02:49 2007
Response via : Multiple Level Calibration





(8) BROMOMETHANE (m)

4.87min 0.14PPBV

response 2852

Ion	Exp%	Act%
94.00	100	100
96.00	94.50	104.59
95.00	15.90	1.65
0.00	0.00	0.00

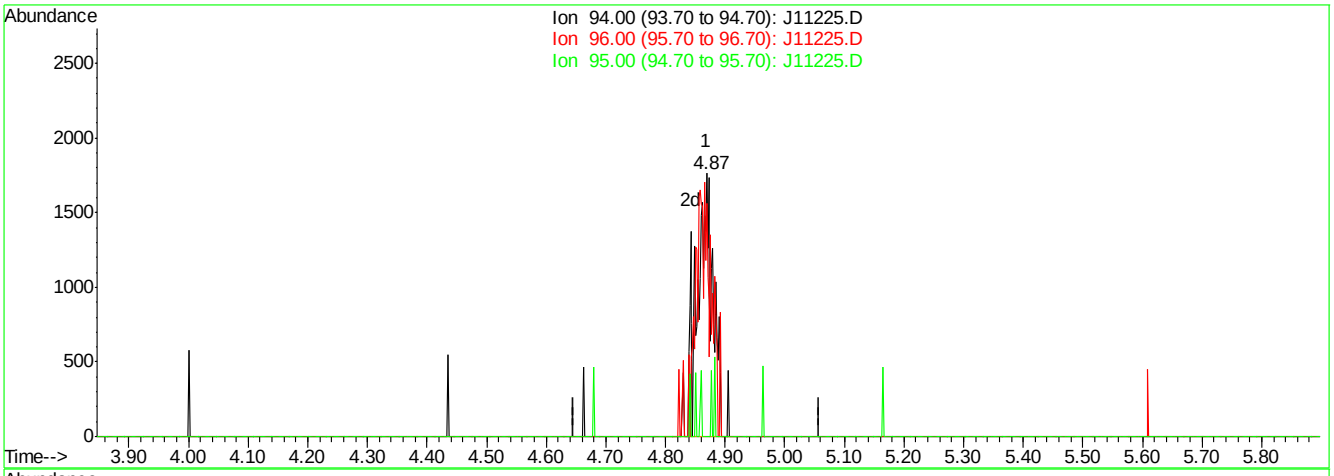
J11225.D J090607T.M Fri Sep 07 11:03:25 2007

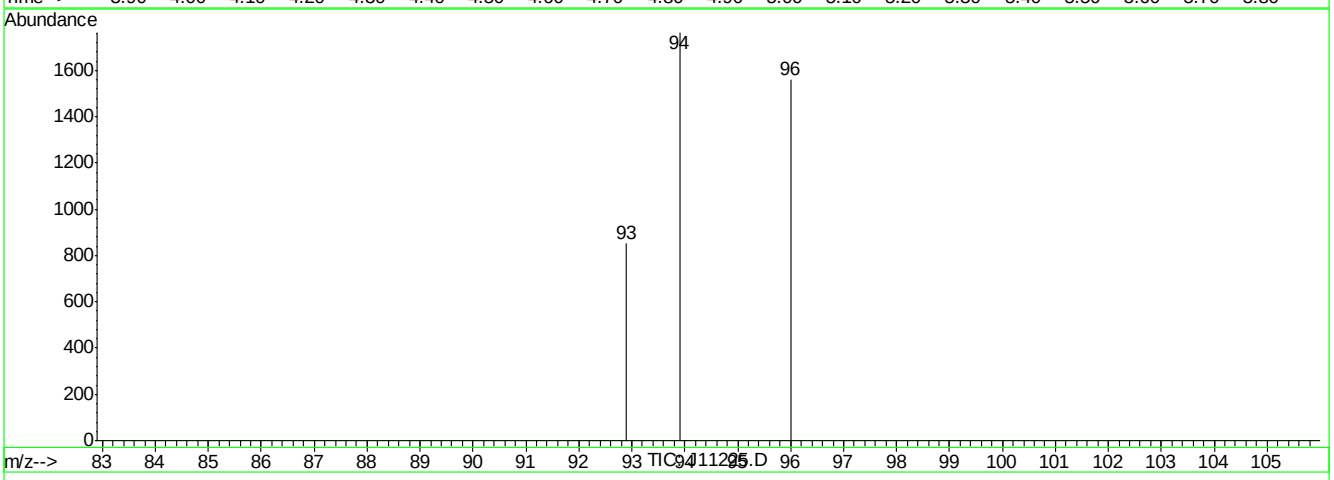
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11225.D Vial: 3
Acq On : 6 Sep 2007 9:05 pm Operator: PhilipB
Sample : IC589-.2 (M187) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 11:02:54 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:02:49 2007
Response via : Multiple Level Calibration





(8) BROMOMETHANE (m)

4.87min 0.17PPBV m

response 3325

Ion	Exp%	Act%
94.00	100	100
96.00	94.50	89.71
95.00	15.90	1.41
0.00	0.00	0.00

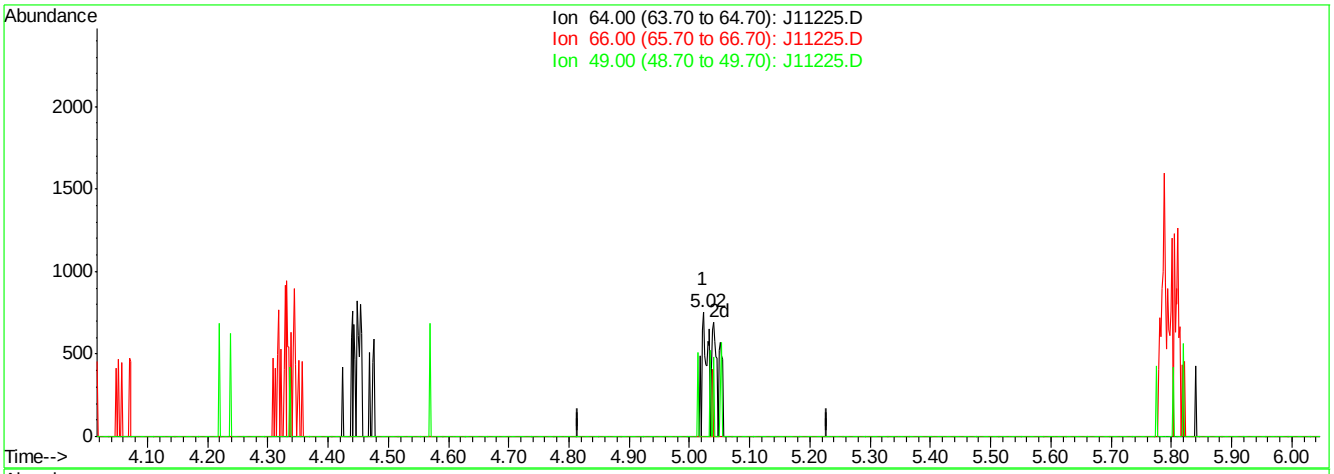
J11225.D J090607T.M Fri Sep 07 11:03:29 2007

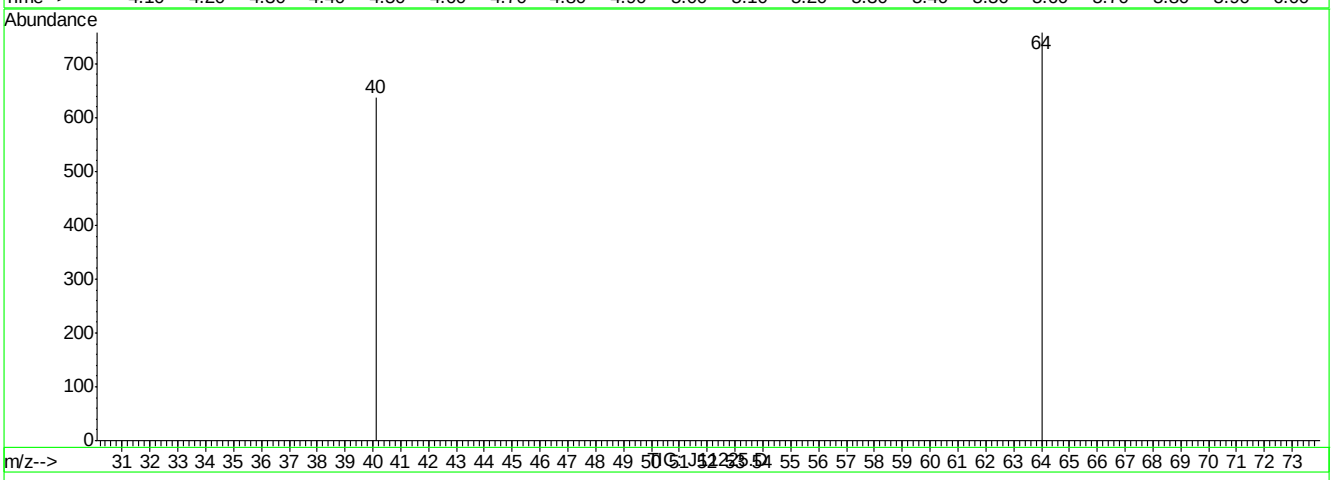
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11225.D Vial: 3
Acq On : 6 Sep 2007 9:05 pm Operator: PhilipB
Sample : IC589-.2 (M187) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 11:02:54 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:02:49 2007
Response via : Multiple Level Calibration





(9) CHLOROETHANE (m)

5.02min 0.12PPBV

response 884

Ion	Exp%	Act%
64.00	100	100
66.00	32.80	0.00#
49.00	31.90	12.10
0.00	0.00	0.00

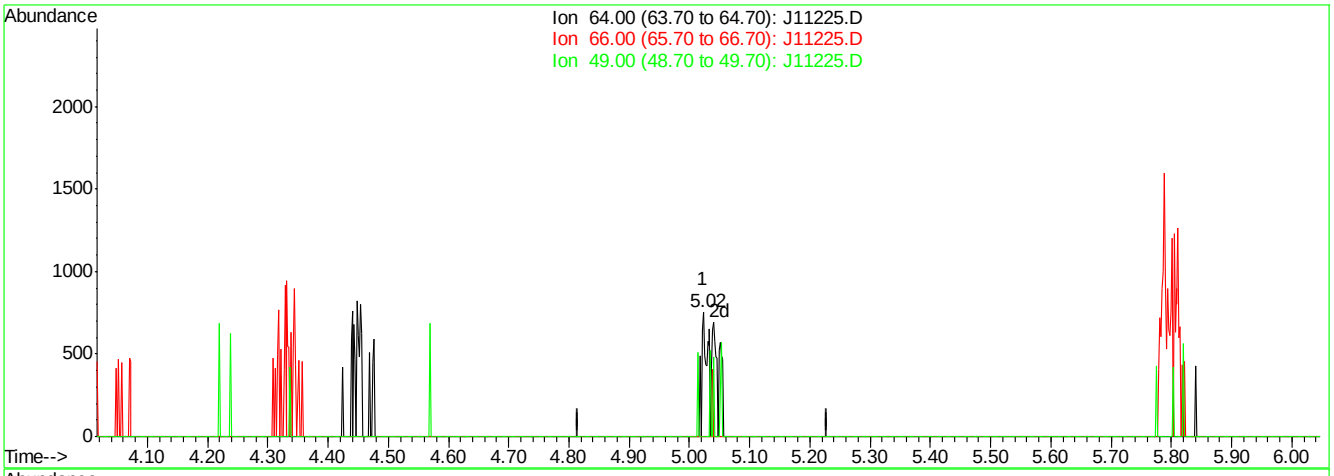
J11225.D J090607T.M Fri Sep 07 11:03:34 2007

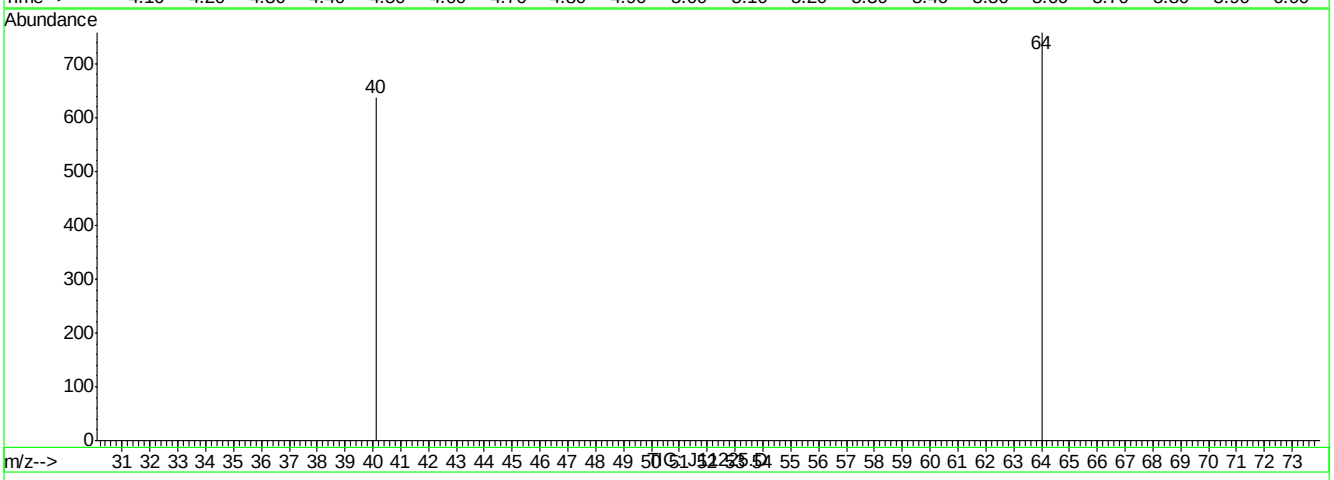
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11225.D Vial: 3
Acq On : 6 Sep 2007 9:05 pm Operator: PhilipB
Sample : IC589-.2 (M187) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 11:02:54 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:02:49 2007
Response via : Multiple Level Calibration





(9) CHLOROETHANE (m)

5.02min 0.15PPBV m

response 1103

Ion	Exp%	Act%
64.00	100	100
66.00	32.80	0.00#
49.00	31.90	9.70#
0.00	0.00	0.00

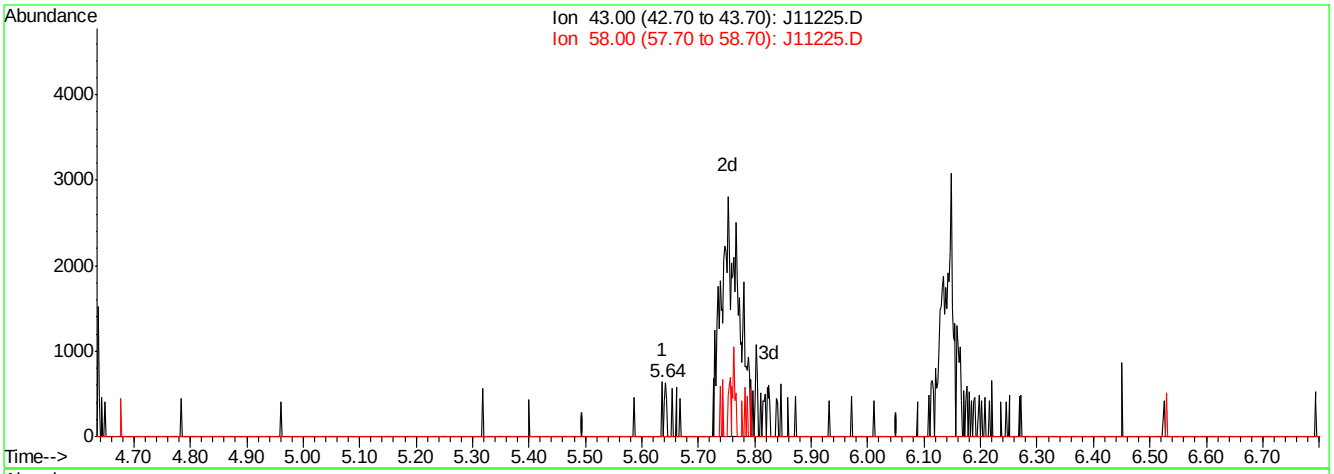
J11225.D J090607T.M Fri Sep 07 11:03:38 2007

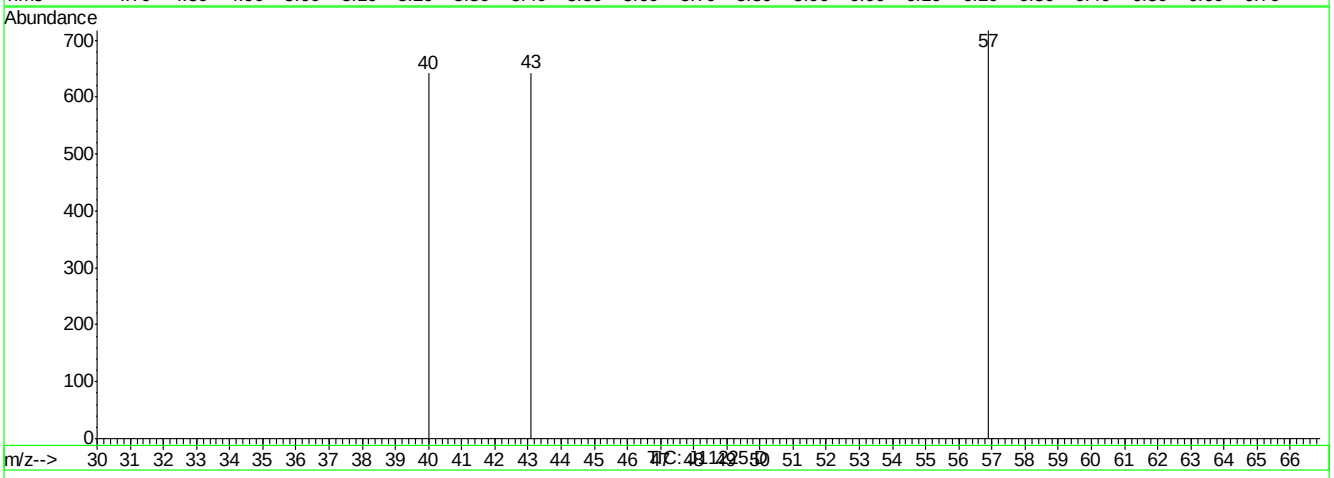
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11225.D Vial: 3
Acq On : 6 Sep 2007 9:05 pm Operator: PhilipB
Sample : IC589-.2 (M187) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 11:02:54 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:02:49 2007
Response via : Multiple Level Calibration





(12) ACETONE (m)

5.64min 0.01PPBV

response 226

Ion	Exp%	Act%
43.00	100	100
58.00	25.60	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

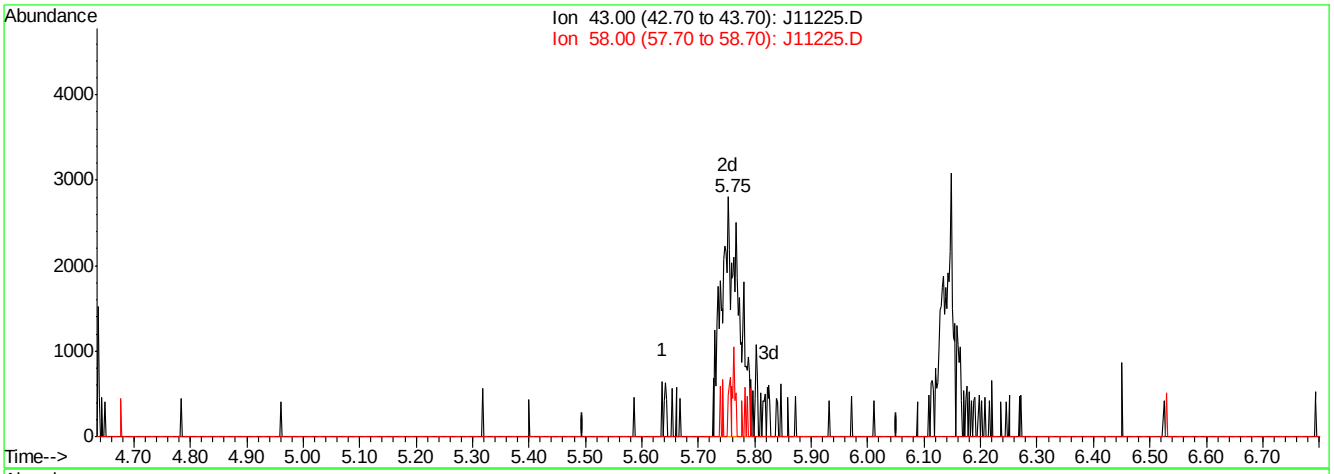
J11225.D J090607T.M Fri Sep 07 11:03:46 2007

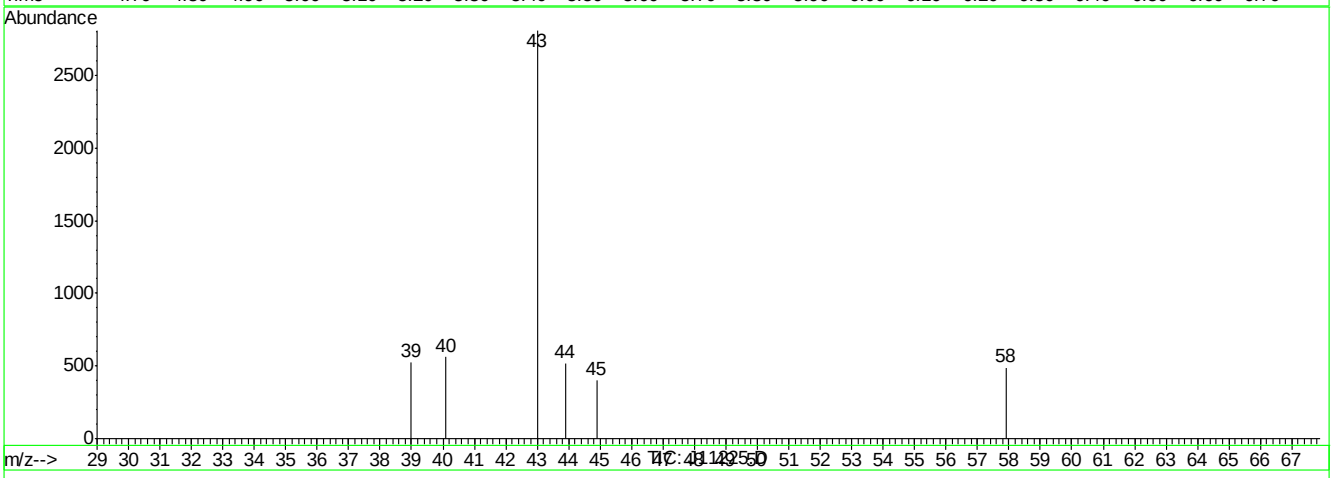
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11225.D Vial: 3
Acq On : 6 Sep 2007 9:05 pm Operator: PhilipB
Sample : IC589-.2 (M187) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 11:02:54 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:02:49 2007
Response via : Multiple Level Calibration





(12) ACETONE (m)

5.75min 0.33PPBV m

response 6880

Ion	Exp%	Act%
43.00	100	100
58.00	25.60	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

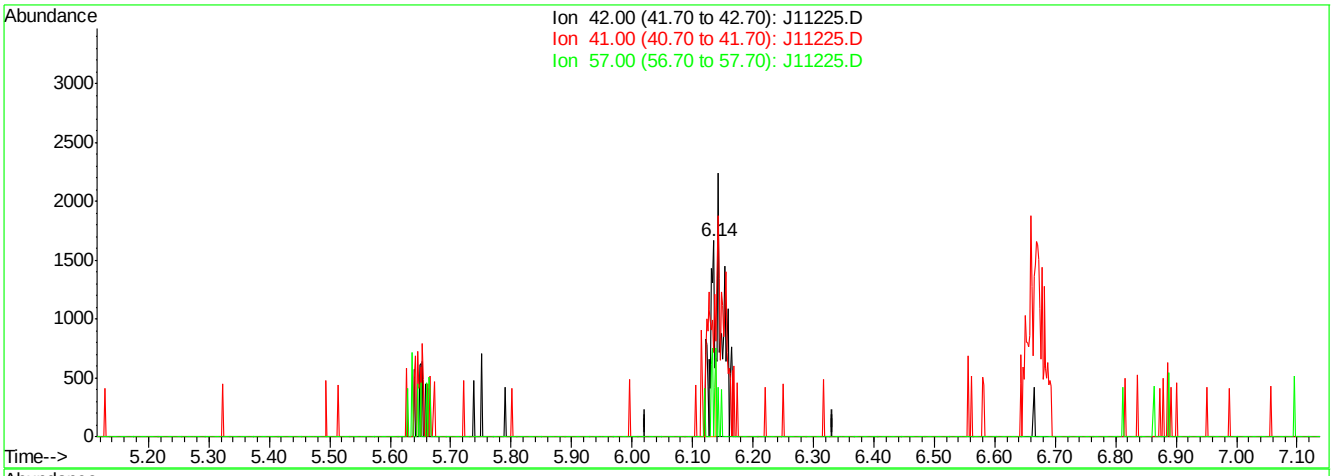
J11225.D J090607T.M Fri Sep 07 11:03:51 2007

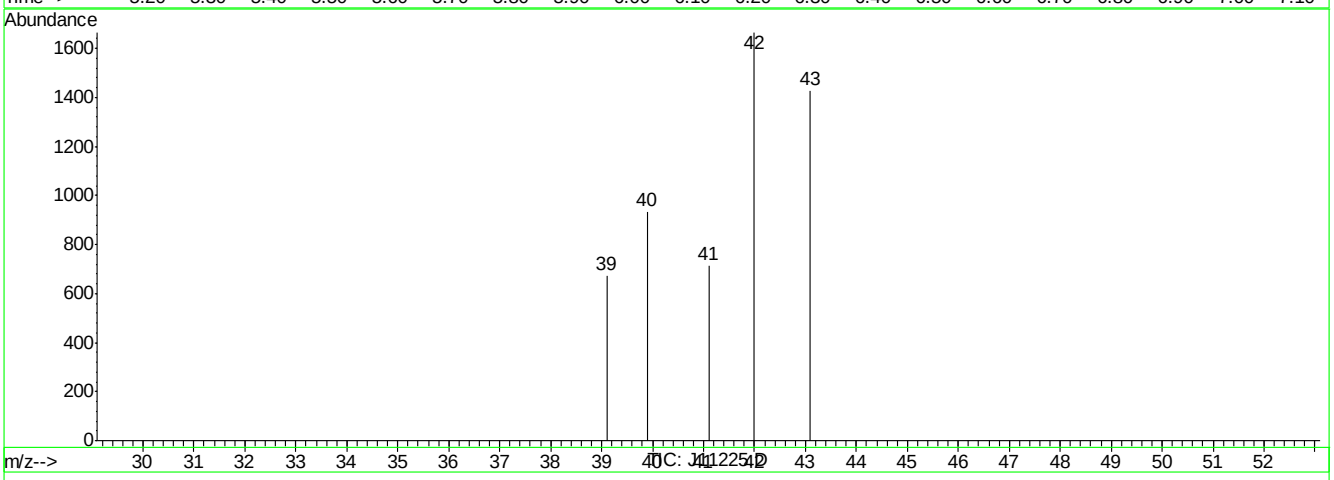
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11225.D Vial: 3
Acq On : 6 Sep 2007 9:05 pm Operator: PhilipB
Sample : IC589-.2 (M187) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 11:02:54 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:02:49 2007
Response via : Multiple Level Calibration





(13) PENTANE (m)

6.14min 0.06PPBV

response 931

Ion	Exp%	Act%
42.00	100	100
41.00	96.60	96.99
57.00	24.50	38.45
0.00	0.00	0.00

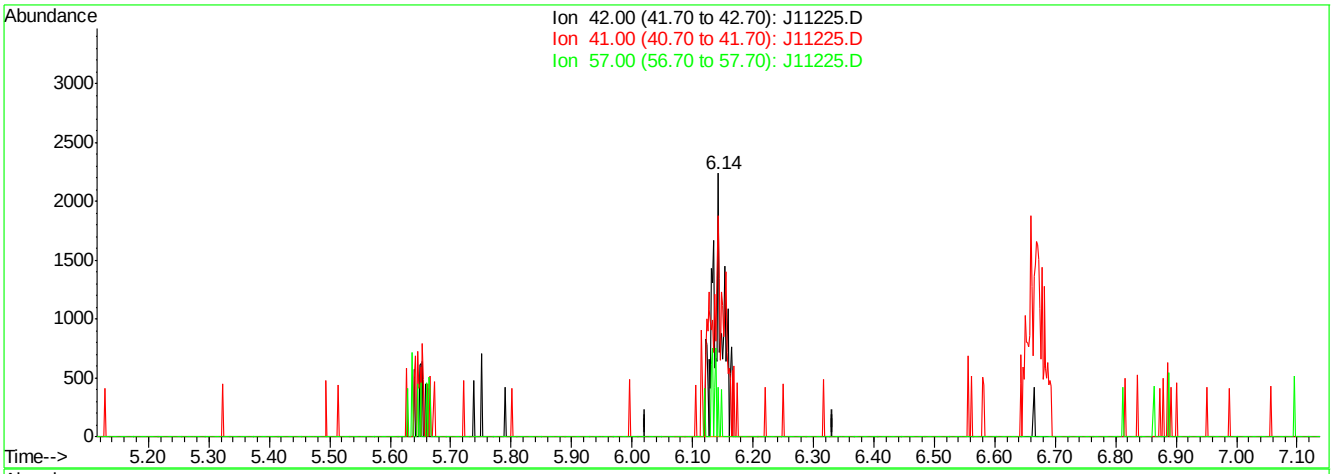
J11225.D J090607T.M Fri Sep 07 11:03:55 2007

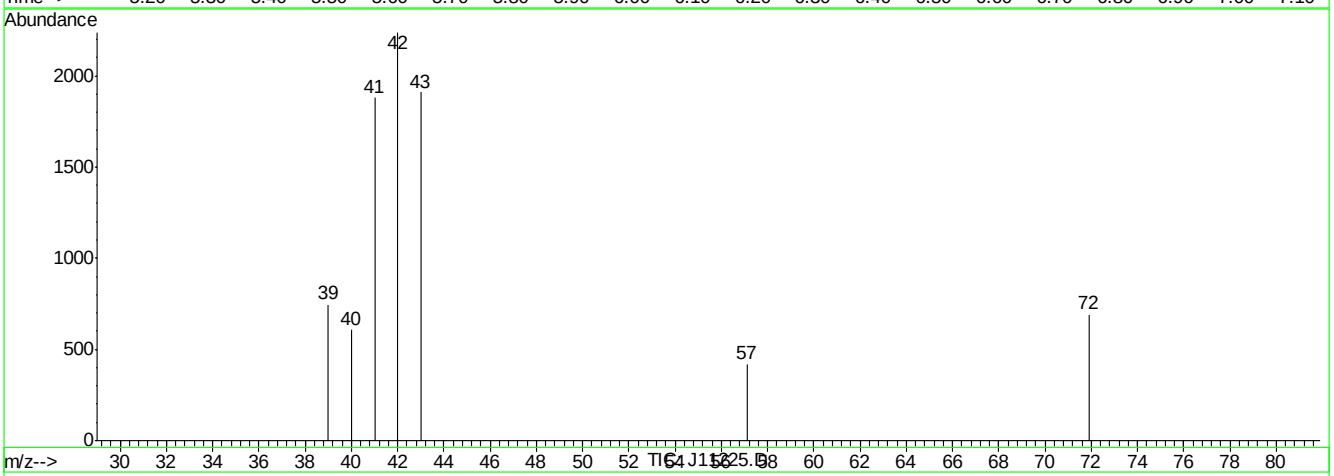
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11225.D Vial: 3
Acq On : 6 Sep 2007 9:05 pm Operator: PhilipB
Sample : IC589-.2 (M187) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 11:02:54 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:02:49 2007
Response via : Multiple Level Calibration





(13) PENTANE (m)

6.14min 0.16PPBV m

response 2264

Ion	Exp%	Act%
42.00	100	100
41.00	96.60	39.89#
57.00	24.50	15.81
0.00	0.00	0.00

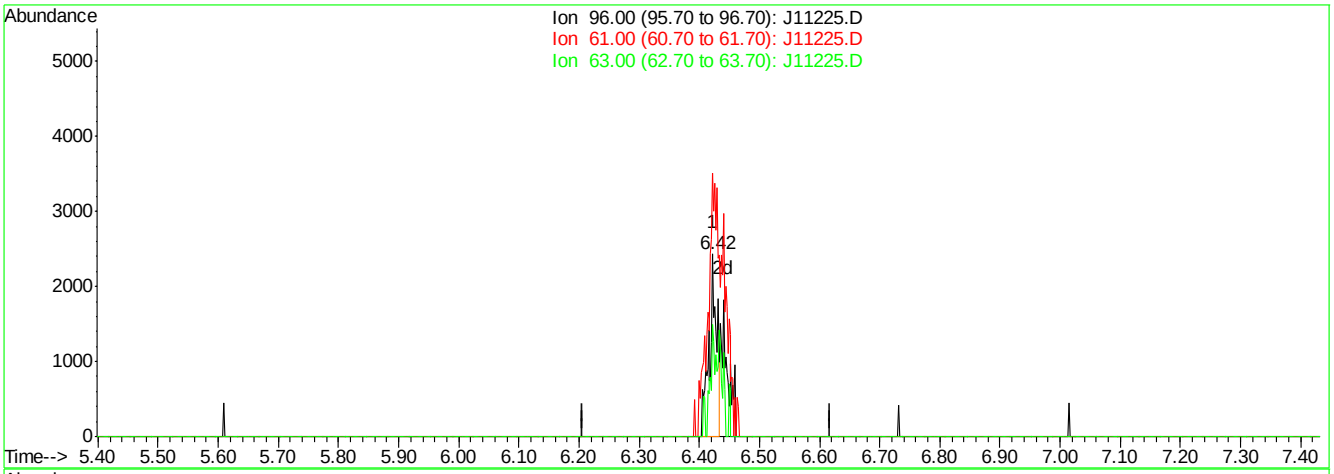
J11225.D J090607T.M Fri Sep 07 11:03:58 2007

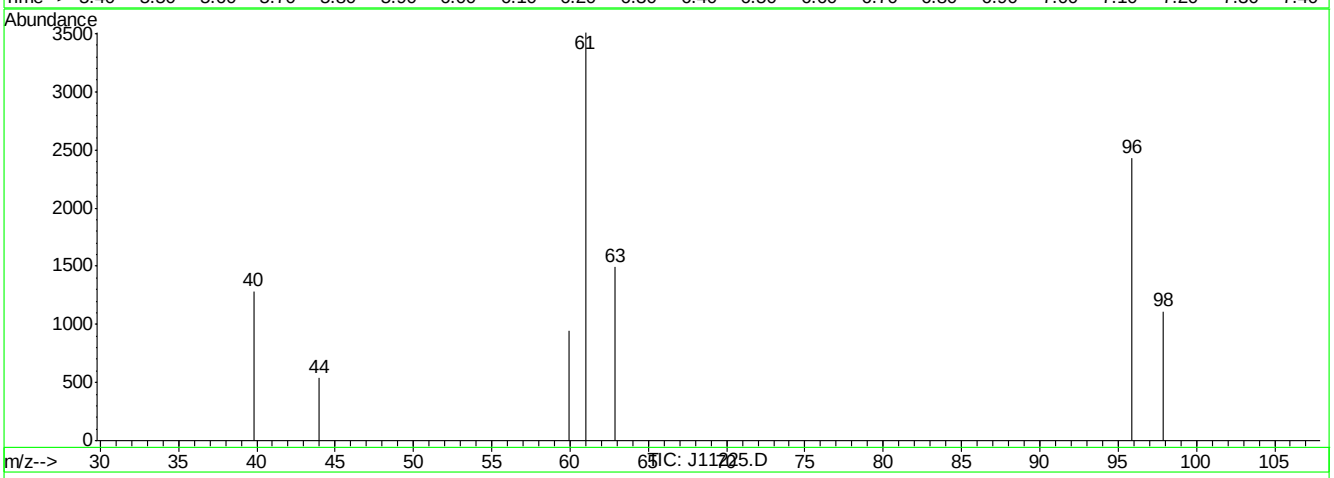
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11225.D Vial: 3
Acq On : 6 Sep 2007 9:05 pm Operator: PhilipB
Sample : IC589-.2 (M187) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 11:02:54 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:02:49 2007
Response via : Multiple Level Calibration





(14) 1,1-DICHLOROETHYLENE (m)

6.42min 0.11PPBV

response 2086

Ion	Exp%	Act%
96.00	100	100
61.00	170.60	304.99#
63.00	54.80	50.67
0.00	0.00	0.00

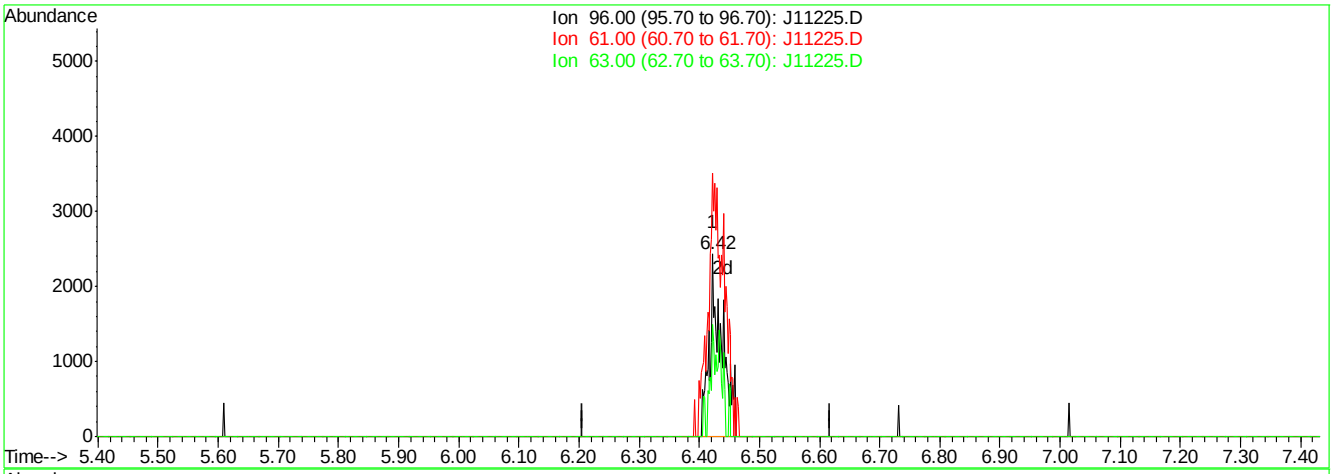
J11225.D J090607T.M Fri Sep 07 11:04:02 2007

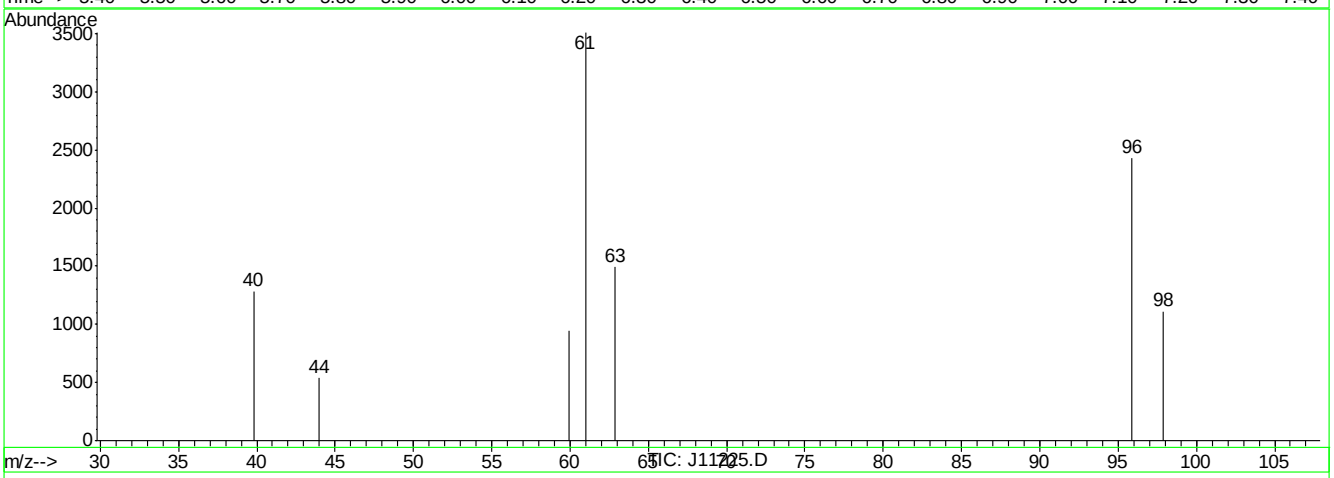
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11225.D Vial: 3
Acq On : 6 Sep 2007 9:05 pm Operator: PhilipB
Sample : IC589-.2 (M187) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 11:02:54 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:02:49 2007
Response via : Multiple Level Calibration





(14) 1,1-DICHLOROETHYLENE (m)

6.42min 0.19PPBV m

response 3527

Ion	Exp%	Act%
96.00	100	100
61.00	170.60	180.38
63.00	54.80	29.97#
0.00	0.00	0.00

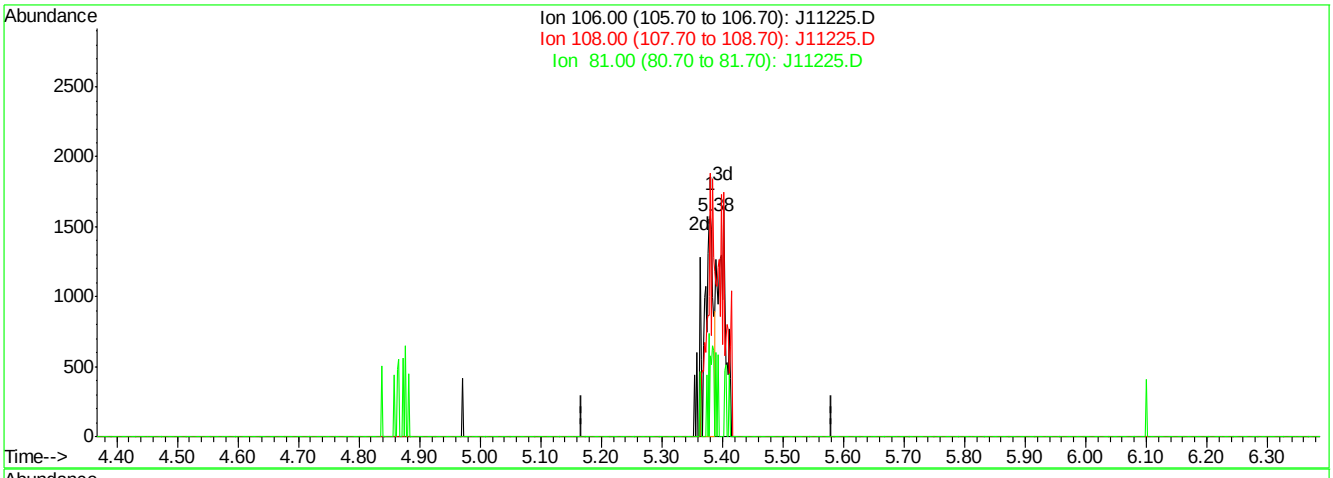
J11225.D J090607T.M Fri Sep 07 11:04:05 2007

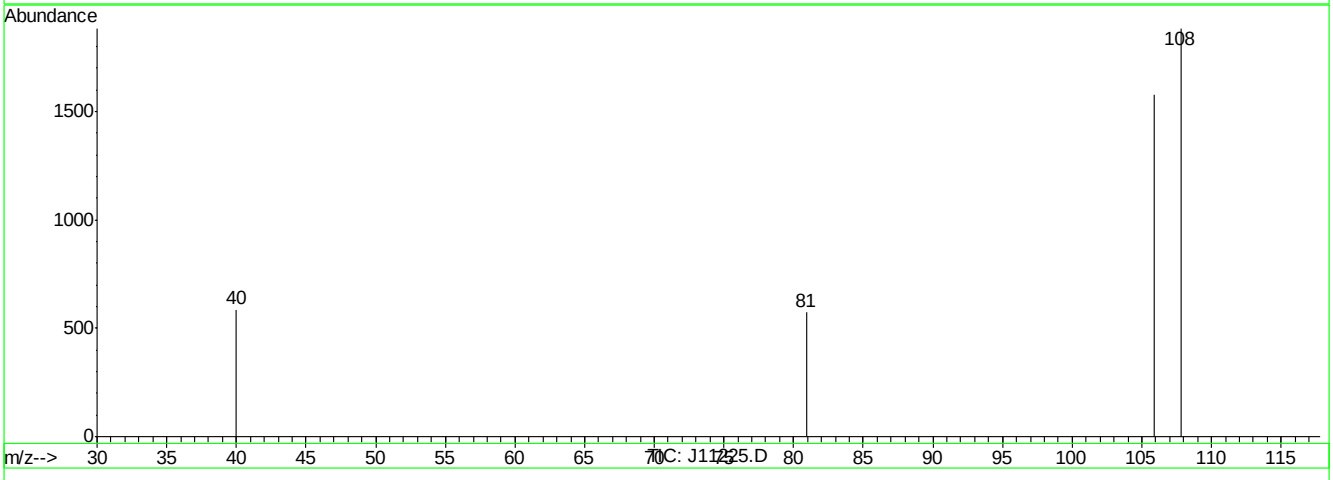
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11225.D Vial: 3
Acq On : 6 Sep 2007 9:05 pm Operator: PhilipB
Sample : IC589-.2 (M187) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 11:02:54 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:02:49 2007
Response via : Multiple Level Calibration





(17) BROMOETHENE (m)

5.38min 0.07PPBV

response 1452

Ion	Exp%	Act%
106.00	100	100
108.00	93.70	111.91
81.00	17.40	30.30#
0.00	0.00	0.00

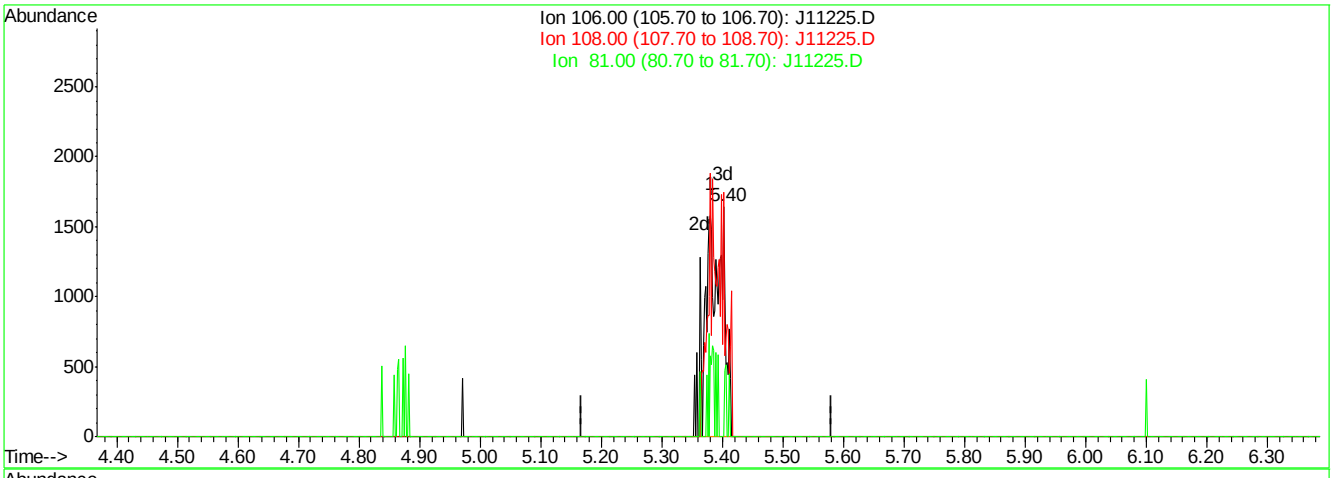
J11225.D J090607T.M Fri Sep 07 11:04:12 2007

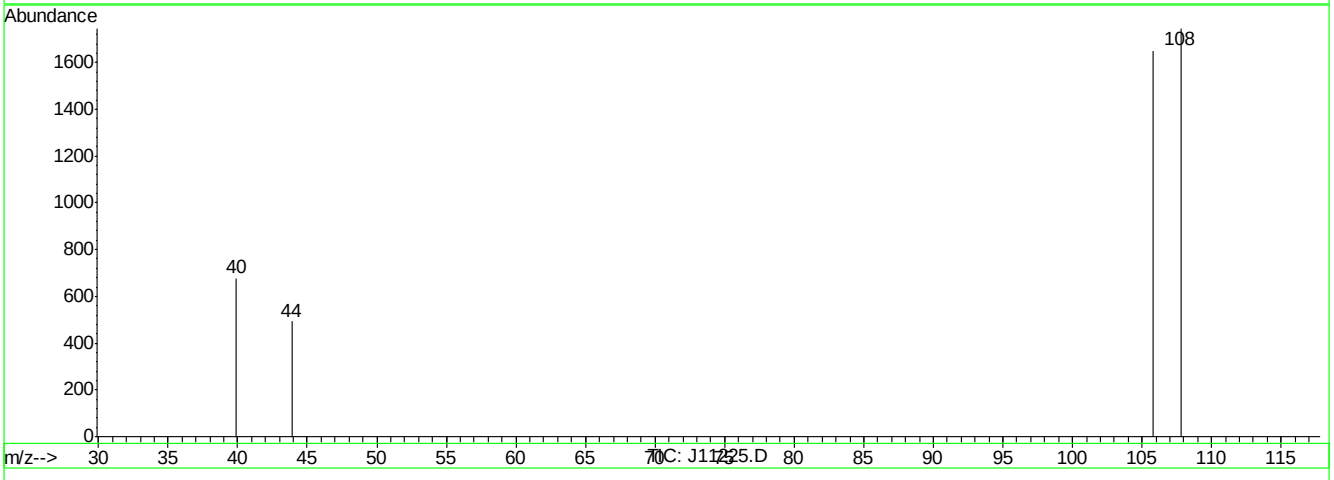
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11225.D Vial: 3
Acq On : 6 Sep 2007 9:05 pm Operator: PhilipB
Sample : IC589-.2 (M187) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 11:02:54 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:02:49 2007
Response via : Multiple Level Calibration





(17) BROMOETHENE (m)

5.40min 0.16PPBV m

response 3178

Ion	Exp%	Act%
106.00	100	100
108.00	93.70	51.13#
81.00	17.40	13.85#
0.00	0.00	0.00

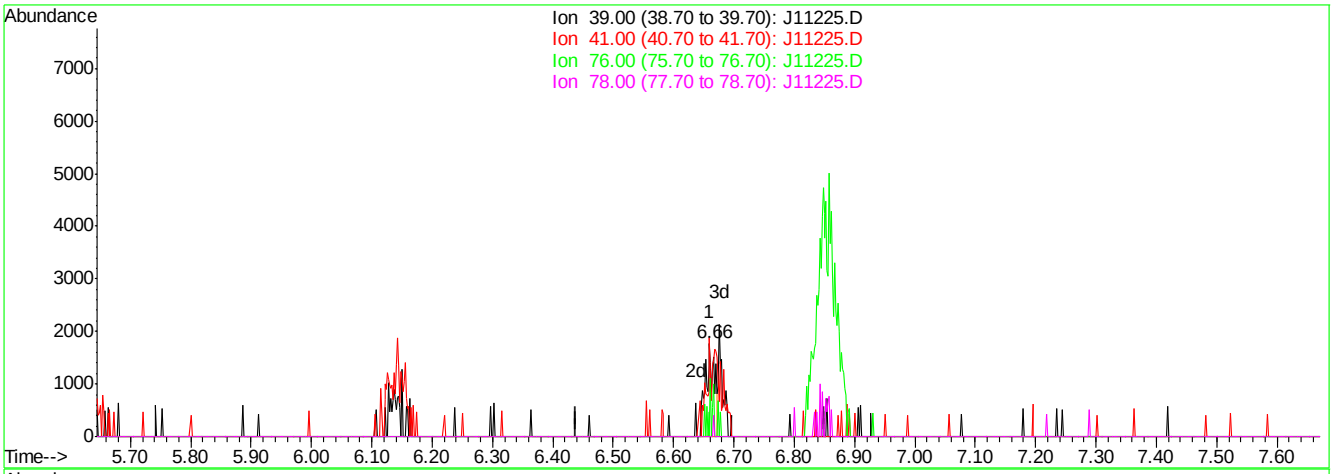
J11225.D J090607T.M Fri Sep 07 11:04:18 2007

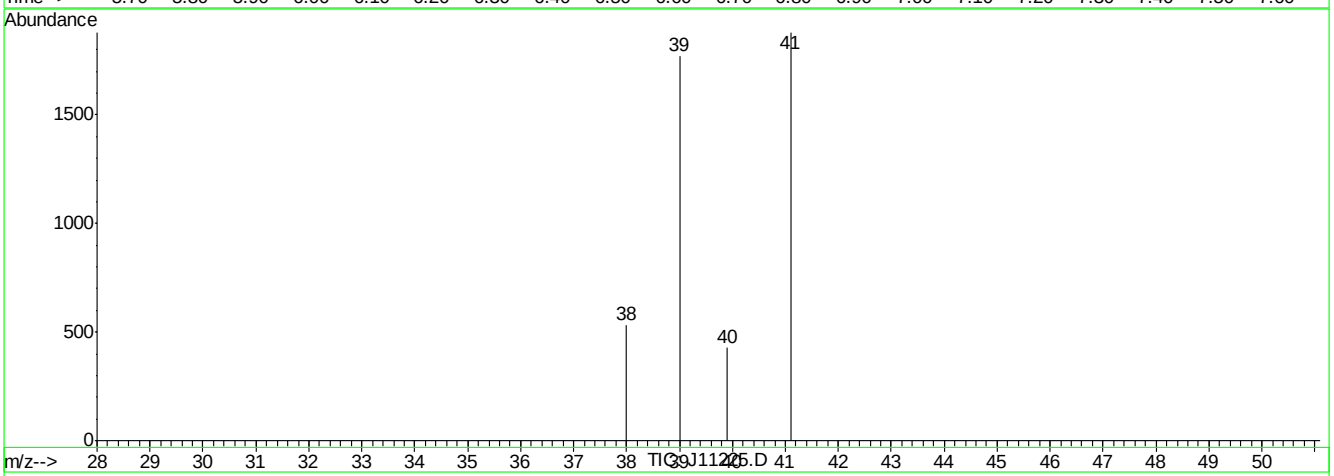
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11225.D Vial: 3
Acq On : 6 Sep 2007 9:05 pm Operator: PhilipB
Sample : IC589-.2 (M187) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 11:02:54 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:02:49 2007
Response via : Multiple Level Calibration





(19) 3-CHLOROPROPENE (m)

6.66min 0.11PPBV

response 1860

Ion	Exp%	Act%
39.00	100	100
41.00	119.60	123.39
76.00	41.30	24.73
78.00	13.80	0.00

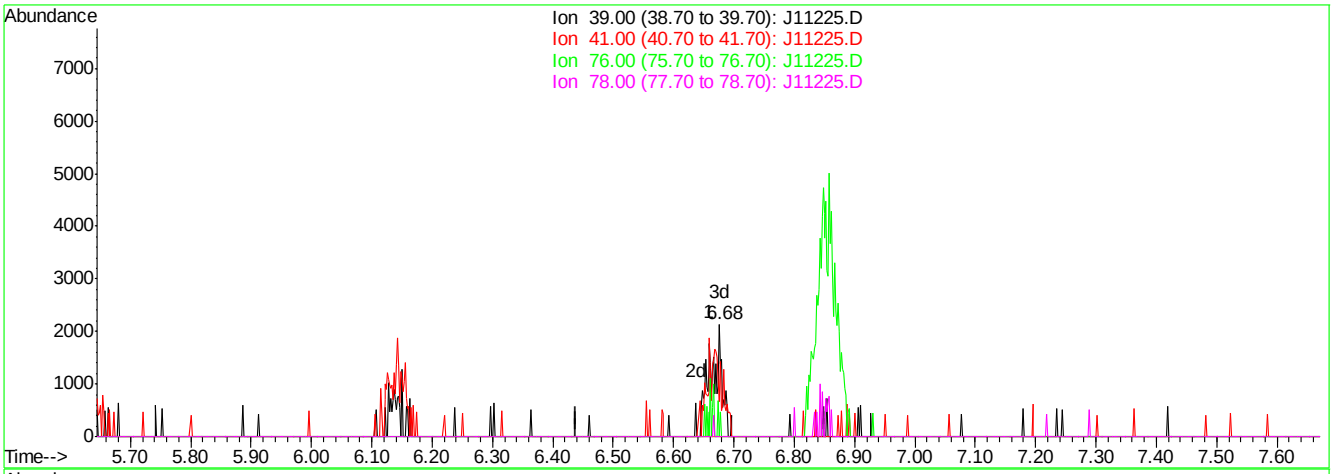
J11225.D J090607T.M Fri Sep 07 11:04:24 2007

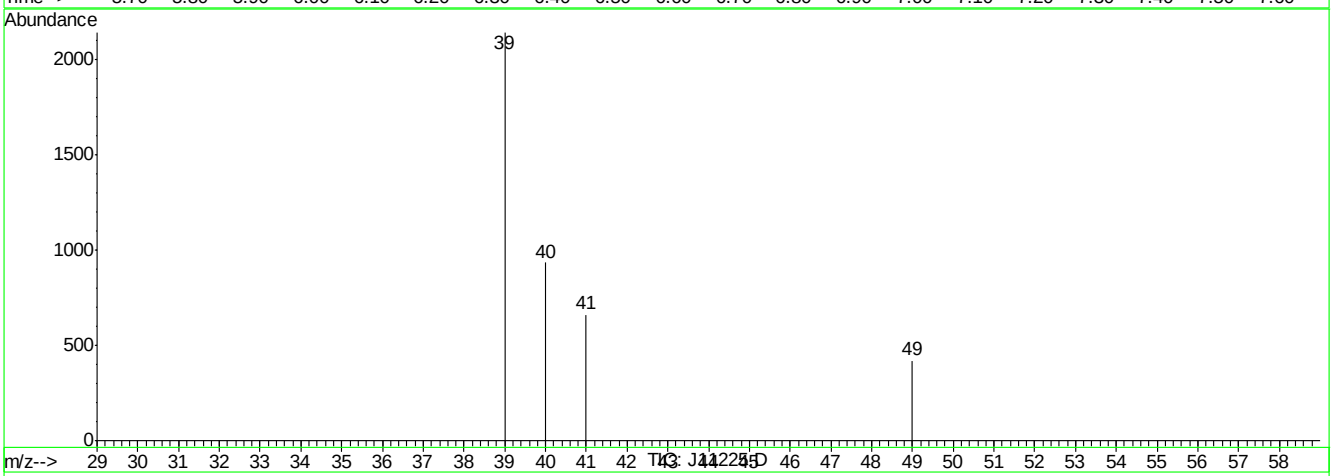
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11225.D Vial: 3
Acq On : 6 Sep 2007 9:05 pm Operator: PhilipB
Sample : IC589-.2 (M187) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 11:02:54 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:02:49 2007
Response via : Multiple Level Calibration





(19) 3-CHLOROPROPENE (m)

6.68min 0.17PPBV m

response 2957

Ion	Exp%	Act%
39.00	100	100
41.00	119.60	77.61#
76.00	41.30	15.56#
78.00	13.80	0.00

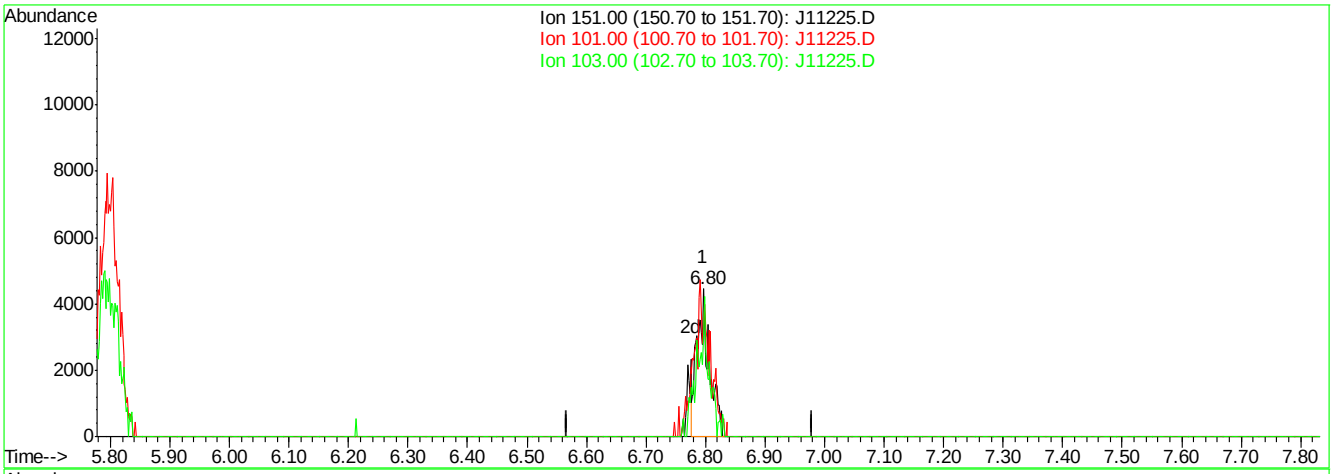
J11225.D J090607T.M Fri Sep 07 11:04:27 2007

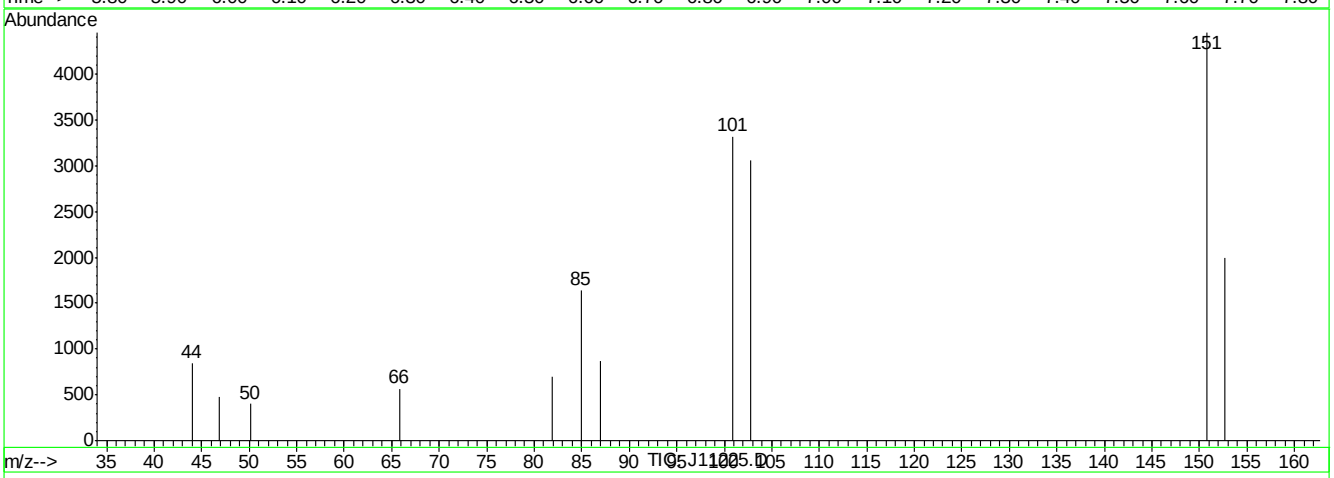
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11225.D Vial: 3
Acq On : 6 Sep 2007 9:05 pm Operator: PhilipB
Sample : IC589-.2 (M187) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 11:02:54 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:02:49 2007
Response via : Multiple Level Calibration





(20) FREON 113 (m)

6.80min 0.18PPBV

response 6351

Ion	Exp%	Act%
151.00	100	100
101.00	116.00	131.13
103.00	74.80	90.32
0.00	0.00	0.00

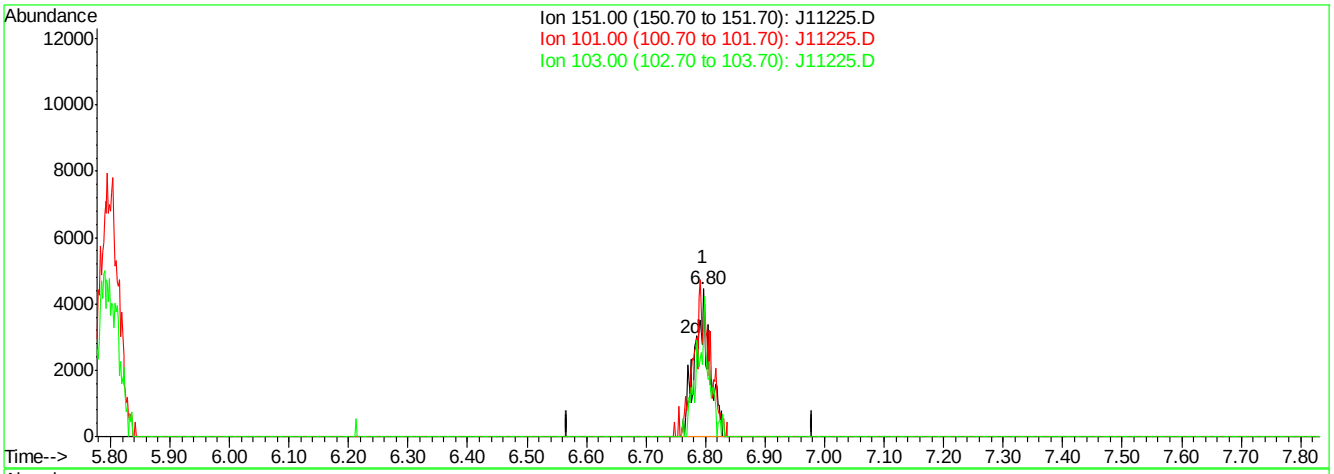
J11225.D J090607T.M Fri Sep 07 11:04:31 2007

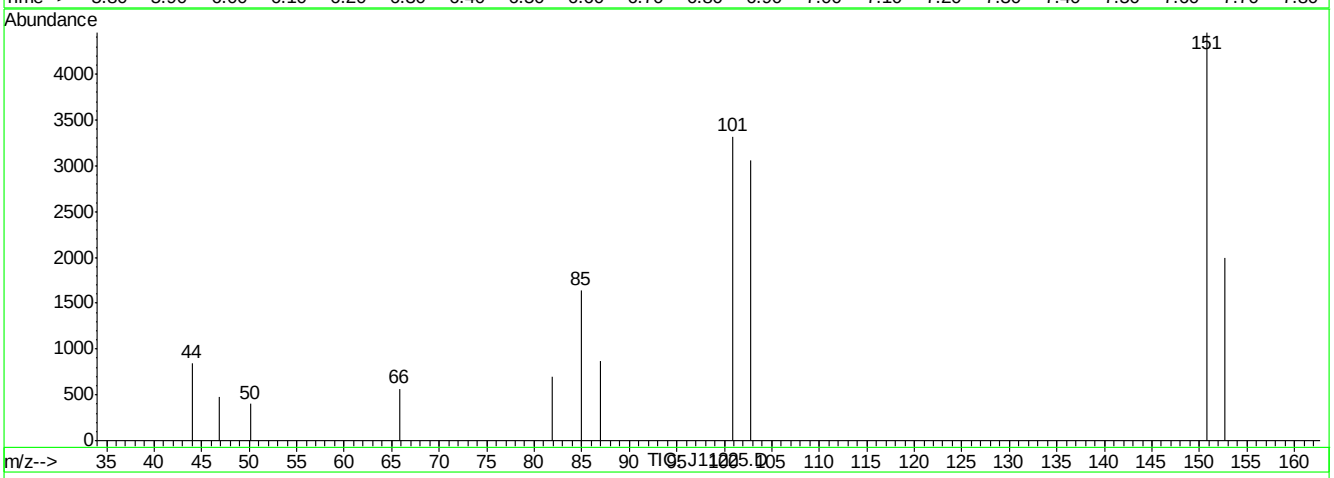
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11225.D Vial: 3
Acq On : 6 Sep 2007 9:05 pm Operator: PhilipB
Sample : IC589-.2 (M187) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 11:02:54 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:02:49 2007
Response via : Multiple Level Calibration





(20) FREON 113 (m)

6.80min 0.21PPBV m

response 7473

Ion	Exp%	Act%
151.00	100	100
101.00	116.00	111.44
103.00	74.80	76.76
0.00	0.00	0.00

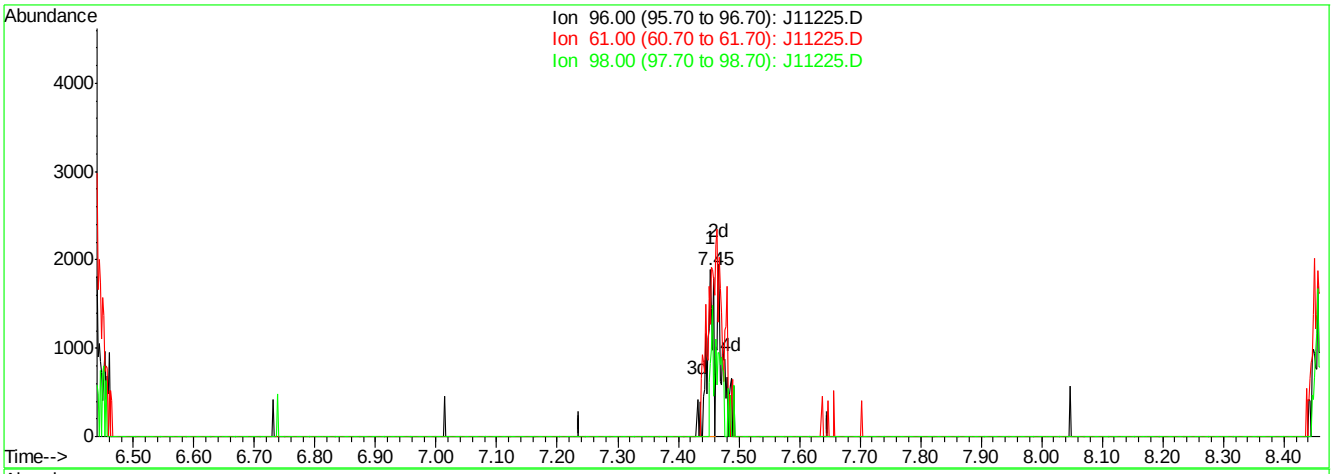
J11225.D J090607T.M Fri Sep 07 11:04:34 2007

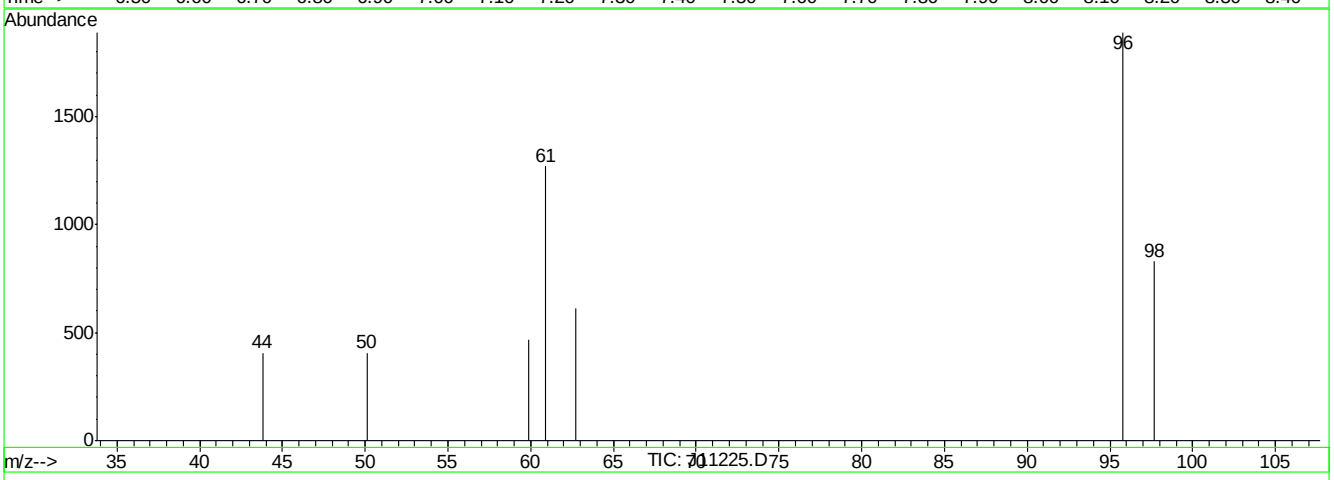
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11225.D Vial: 3
Acq On : 6 Sep 2007 9:05 pm Operator: PhilipB
Sample : IC589-.2 (M187) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 11:02:54 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:02:49 2007
Response via : Multiple Level Calibration





(21) TRANS-1,2-DICHLOROETHYLENE (m)

7.45min 0.08PPBV

response 1308

Ion	Exp%	Act%
96.00	100	100
61.00	140.90	0.00#
98.00	64.20	54.89
0.00	0.00	0.00

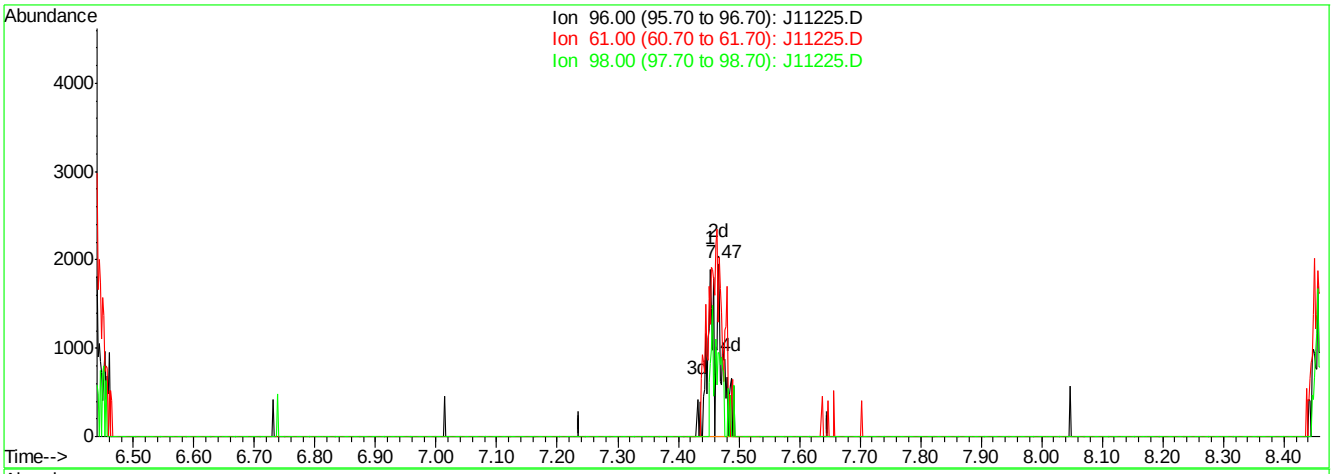
J11225.D J090607T.M Fri Sep 07 11:04:39 2007

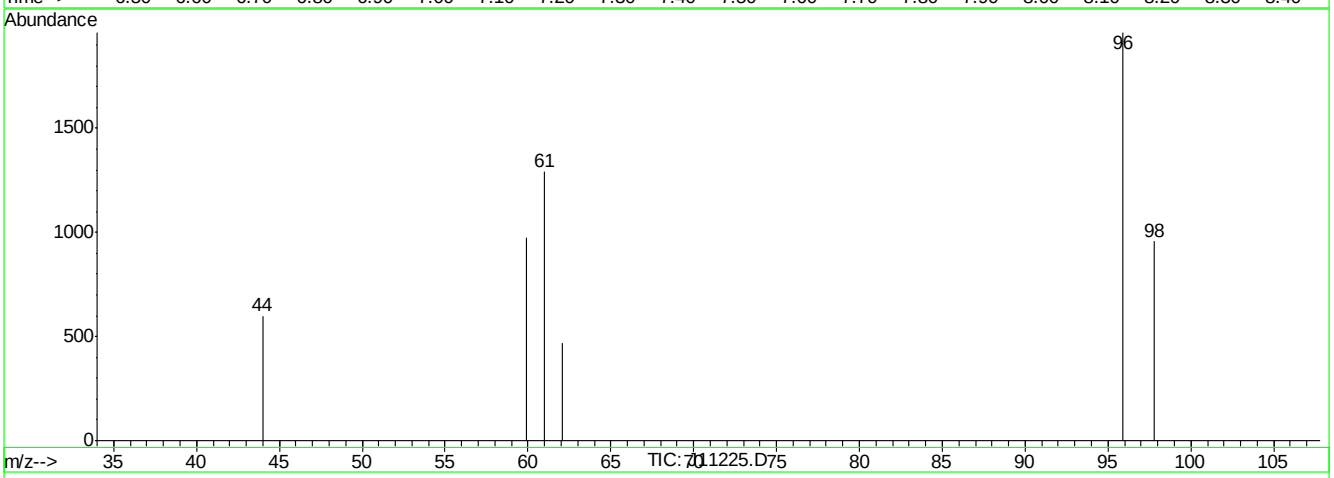
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11225.D Vial: 3
Acq On : 6 Sep 2007 9:05 pm Operator: PhilipB
Sample : IC589-.2 (M187) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 11:02:54 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:02:49 2007
Response via : Multiple Level Calibration





(21) TRANS-1,2-DICHLOROETHYLENE (m)

7.47min 0.16PPBV m

response 2773

Ion	Exp%	Act%
96.00	100	100
61.00	140.90	0.00#
98.00	64.20	25.89#
0.00	0.00	0.00

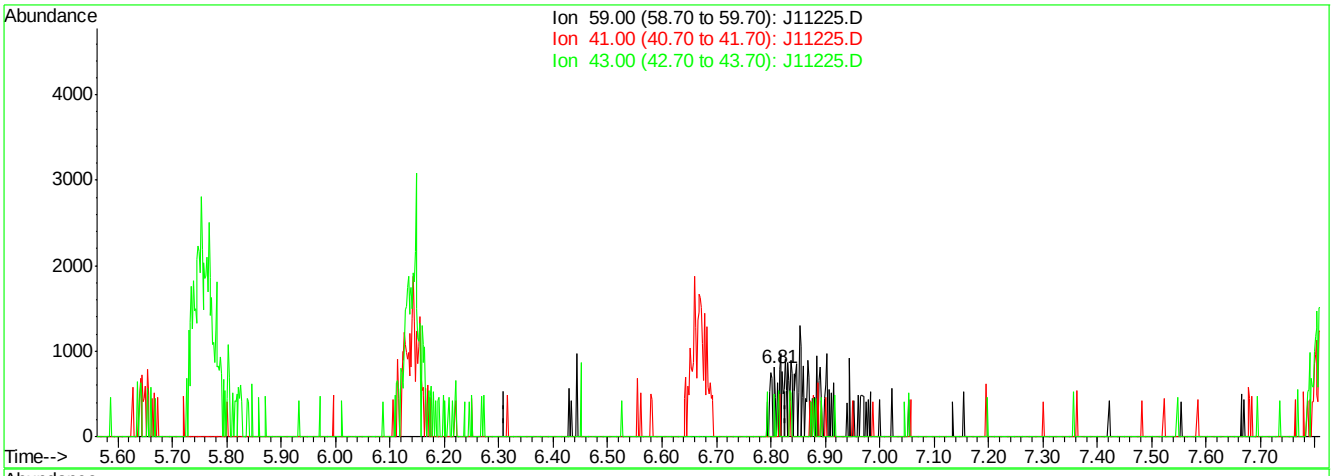
J11225.D J090607T.M Fri Sep 07 11:04:42 2007

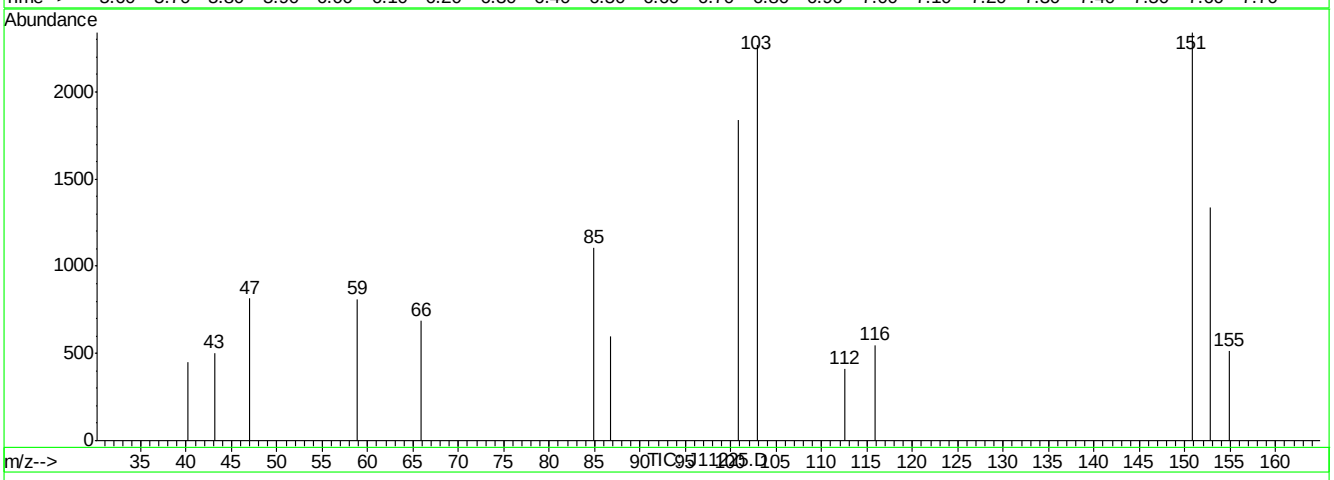
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11225.D Vial: 3
Acq On : 6 Sep 2007 9:05 pm Operator: PhilipB
Sample : IC589-.2 (M187) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 11:02:54 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:02:49 2007
Response via : Multiple Level Calibration





(22) TERTIARY BUTYL ALCOHOL (m)

6.81min 0.01PPBV

response 386

Ion	Exp%	Act%
59.00	100	100
41.00	23.80	0.00#
43.00	18.40	28.50
0.00	0.00	0.00

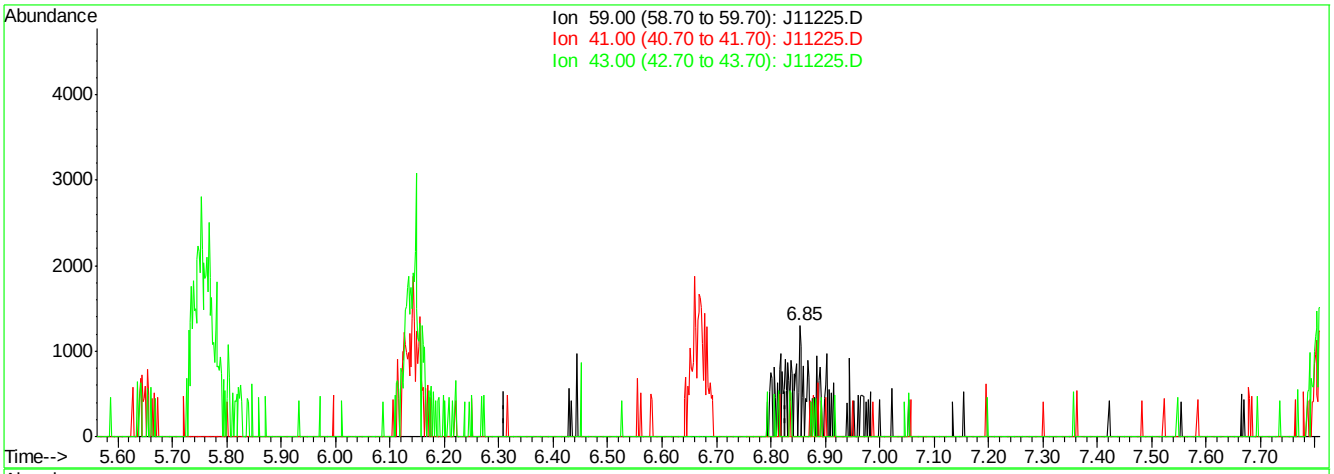
J11225.D J090607T.M Fri Sep 07 11:04:45 2007

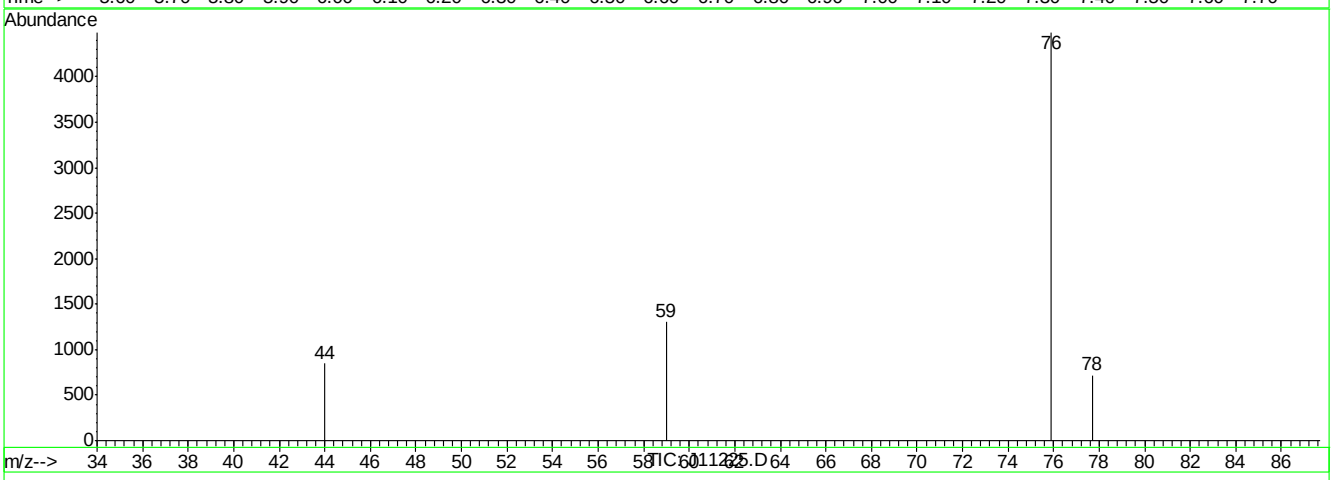
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11225.D Vial: 3
Acq On : 6 Sep 2007 9:05 pm Operator: PhilipB
Sample : IC589-.2 (M187) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 11:02:54 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:02:49 2007
Response via : Multiple Level Calibration





(22) TERTIARY BUTYL ALCOHOL (m)

6.85min 0.13PPBV m

response 4033

Ion	Exp%	Act%
59.00	100	100
41.00	23.80	0.00#
43.00	18.40	2.73
0.00	0.00	0.00

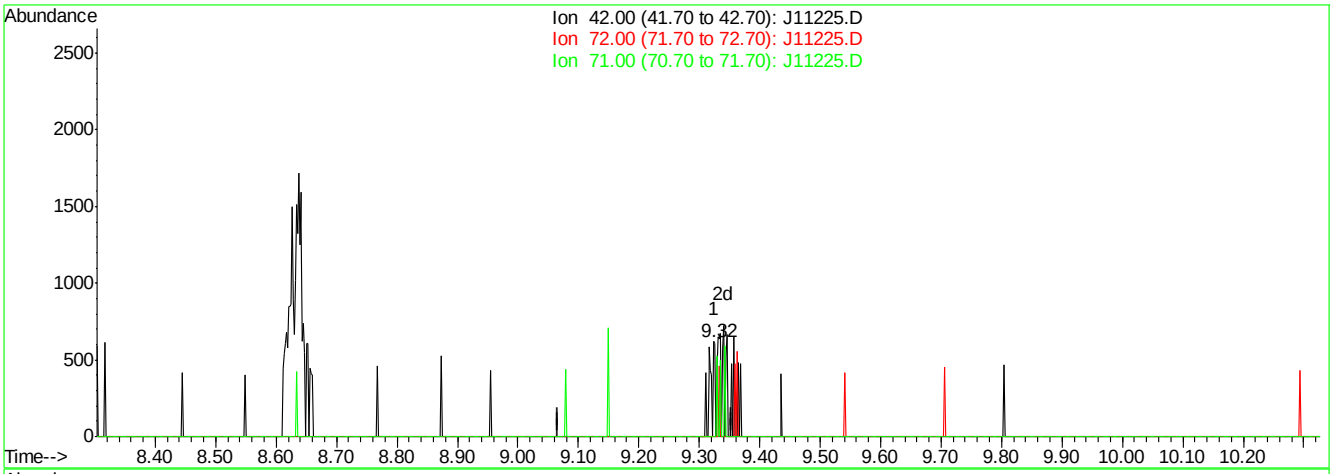
J11225.D J090607T.M Fri Sep 07 11:04:48 2007

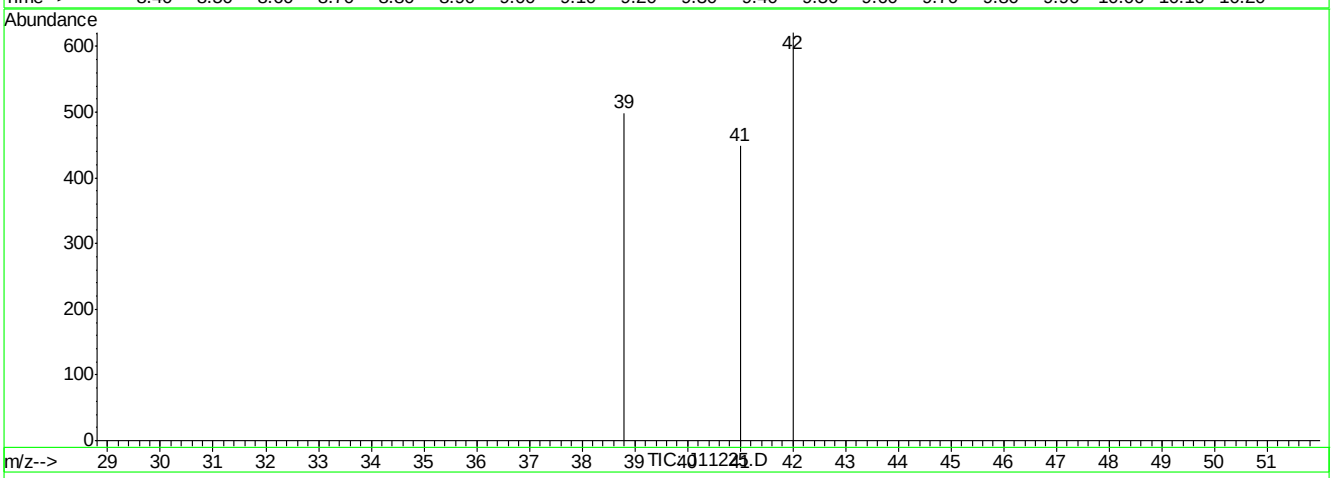
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11225.D Vial: 3
Acq On : 6 Sep 2007 9:05 pm Operator: PhilipB
Sample : IC589-.2 (M187) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 11:02:54 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:02:49 2007
Response via : Multiple Level Calibration





(24) TETRAHYDROFURAN (m)

9.32min 0.04PPBV

response 372

Ion	Exp%	Act%
42.00	100	100
72.00	45.60	0.00#
71.00	46.90	29.30
0.00	0.00	0.00

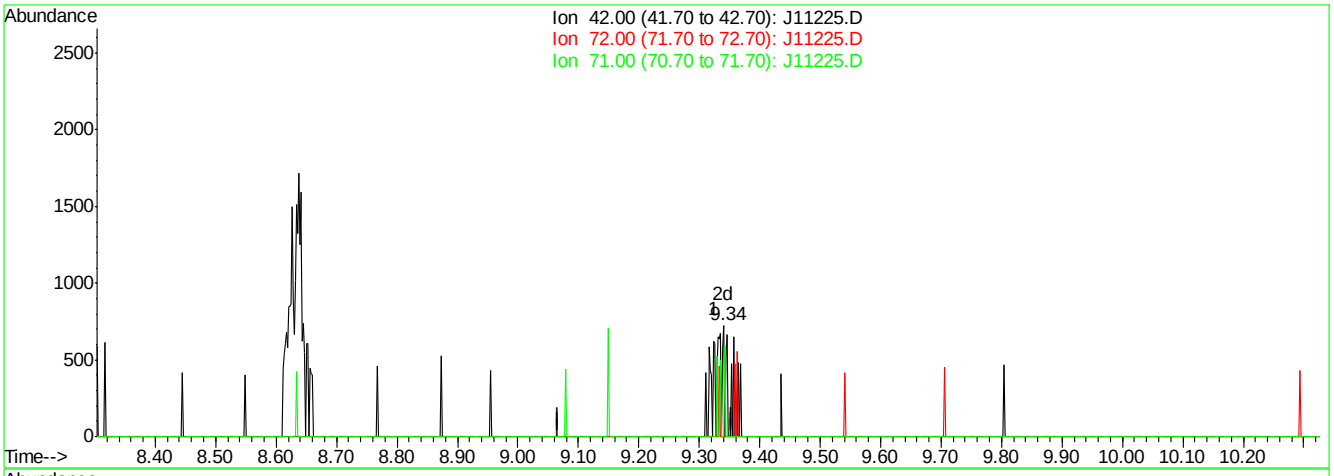
J11225.D J090607T.M Fri Sep 07 11:04:52 2007

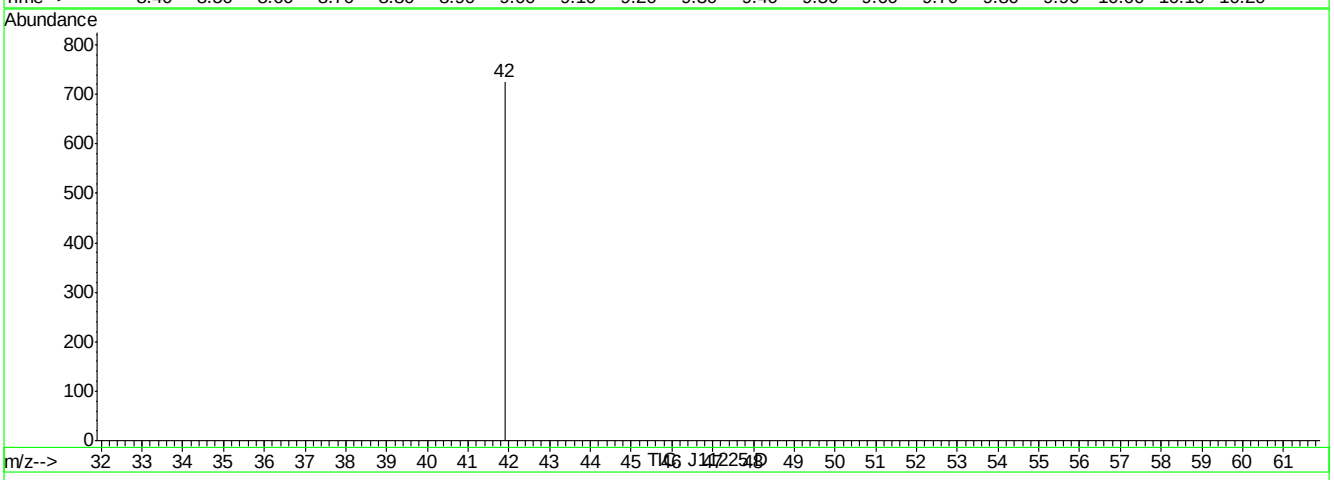
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11225.D Vial: 3
Acq On : 6 Sep 2007 9:05 pm Operator: PhilipB
Sample : IC589-.2 (M187) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 11:02:54 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:02:49 2007
Response via : Multiple Level Calibration





(24) TETRAHYDROFURAN (m)

9.34min 0.11PPBV m

response 1113

Ion	Exp%	Act%
42.00	100	100
72.00	45.60	0.00#
71.00	46.90	9.79#
0.00	0.00	0.00

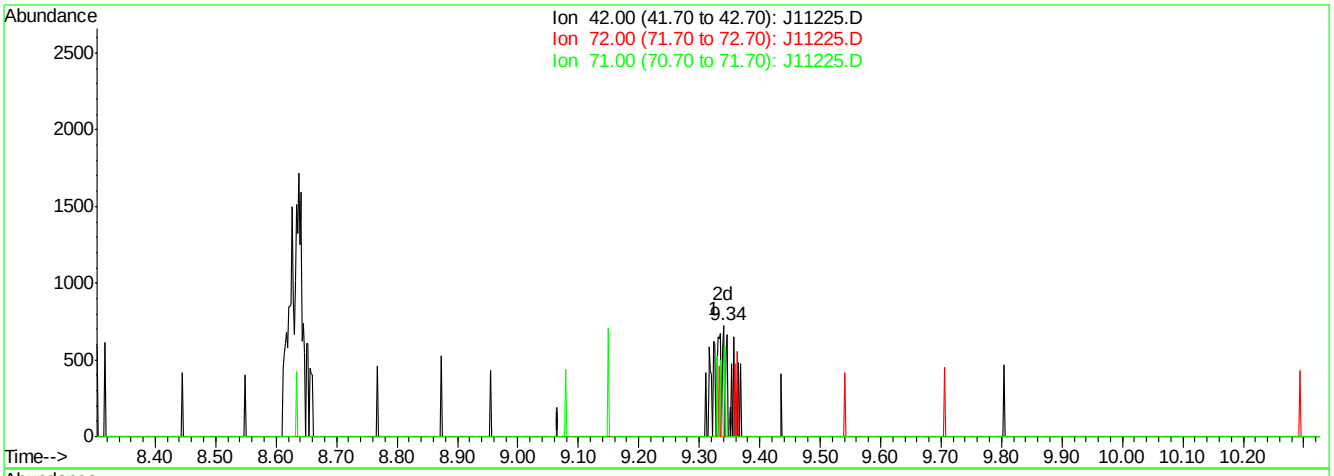
J11225.D J090607T.M Fri Sep 07 11:04:56 2007

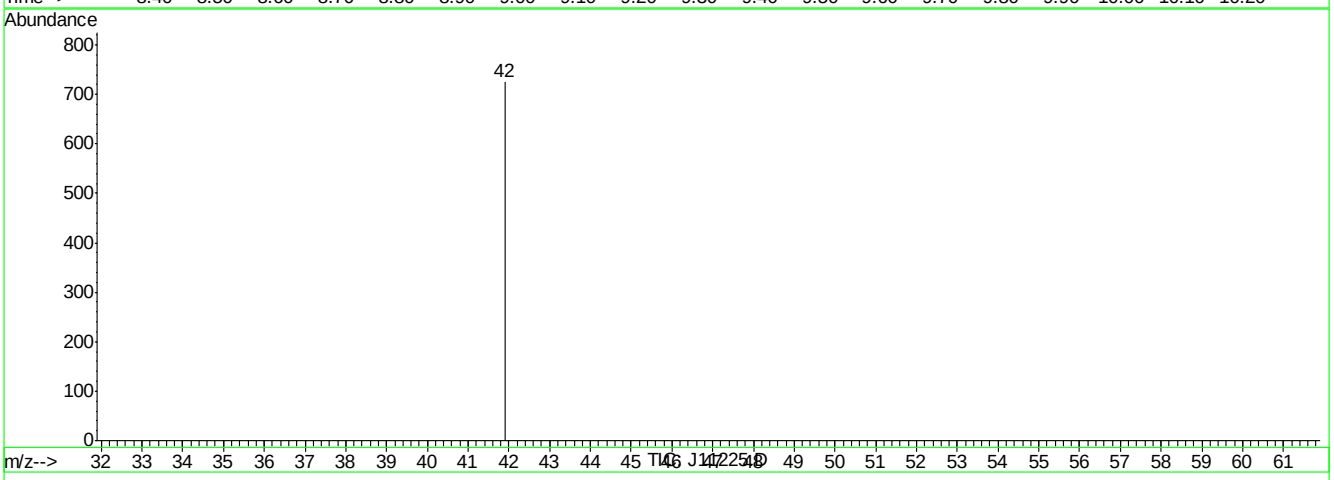
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11225.D Vial: 3
Acq On : 6 Sep 2007 9:05 pm Operator: PhilipB
Sample : IC589-.2 (M187) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 11:02:54 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:02:49 2007
Response via : Multiple Level Calibration





(24) TETRAHYDROFURAN (m)

9.34min 0.11PPBV m

response 1113

Ion	Exp%	Act%
42.00	100	100
72.00	45.60	0.00#
71.00	46.90	9.79#
0.00	0.00	0.00

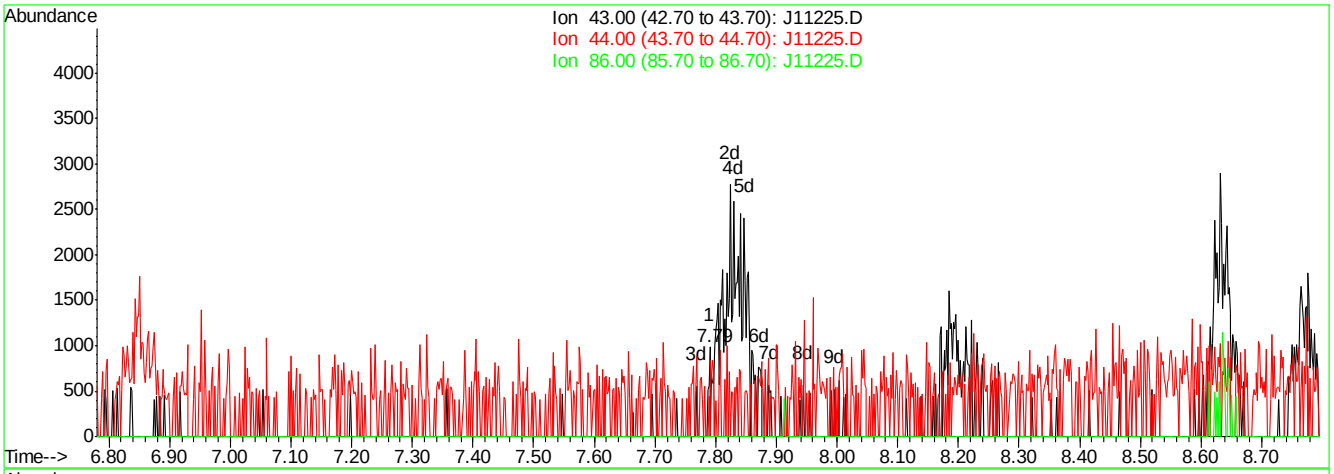
J11225.D J090607T.M Fri Sep 07 11:04:58 2007

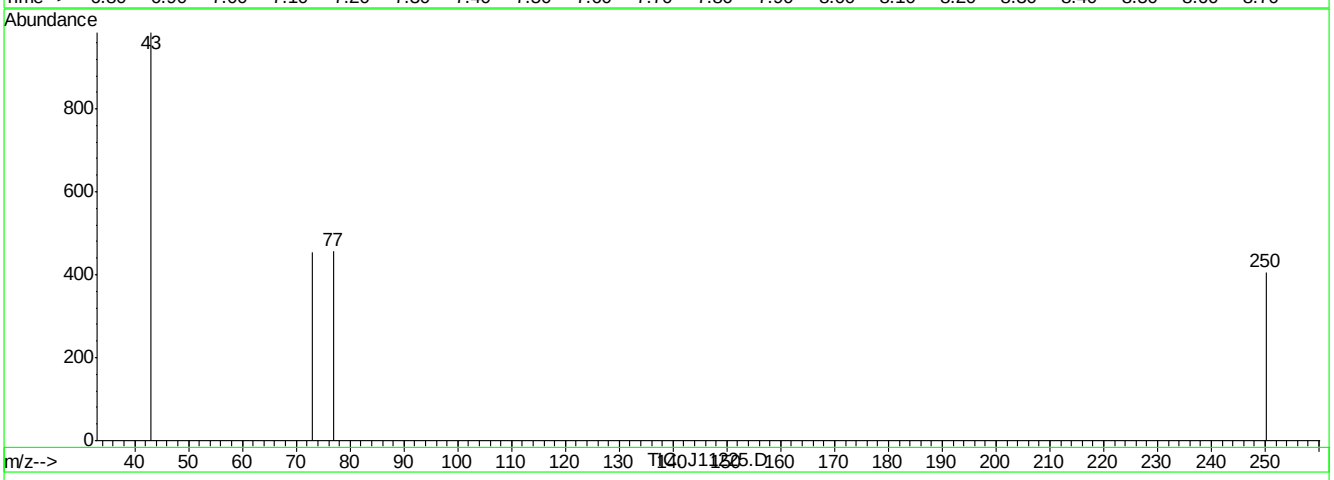
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11225.D Vial: 3
Acq On : 6 Sep 2007 9:05 pm Operator: PhilipB
Sample : IC589-.2 (M187) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 11:02:54 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:02:49 2007
Response via : Multiple Level Calibration





(26) VINYL ACETATE (m)

7.79min 0.02PPBV

response 416

Ion	Exp%	Act%
43.00	100	100
44.00	6.70	99.04#
86.00	7.60	0.00
0.00	0.00	0.00

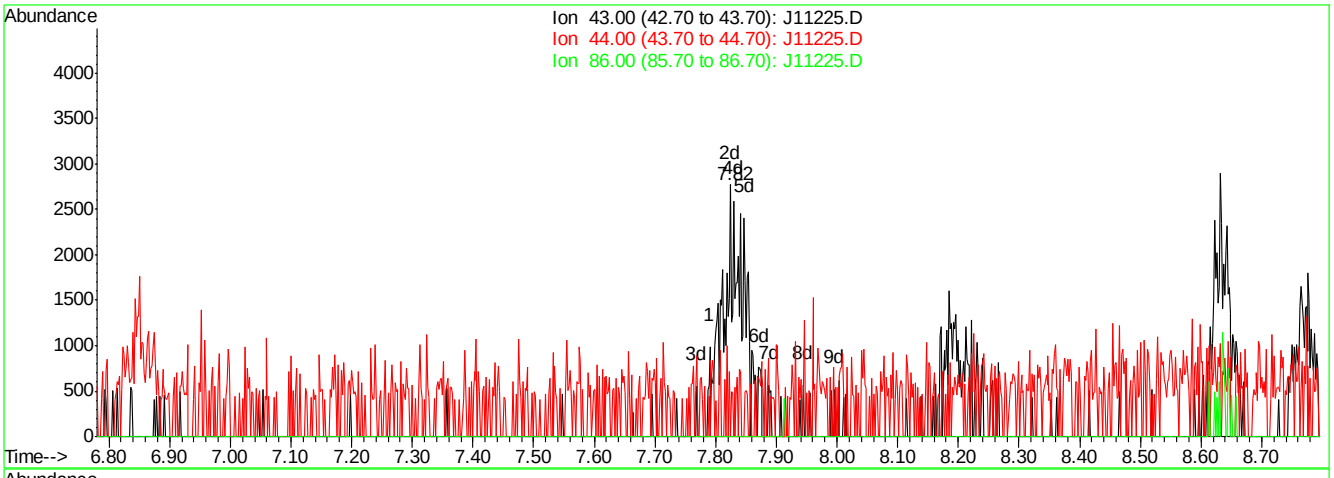
J11225.D J090607T.M Fri Sep 07 11:05:02 2007

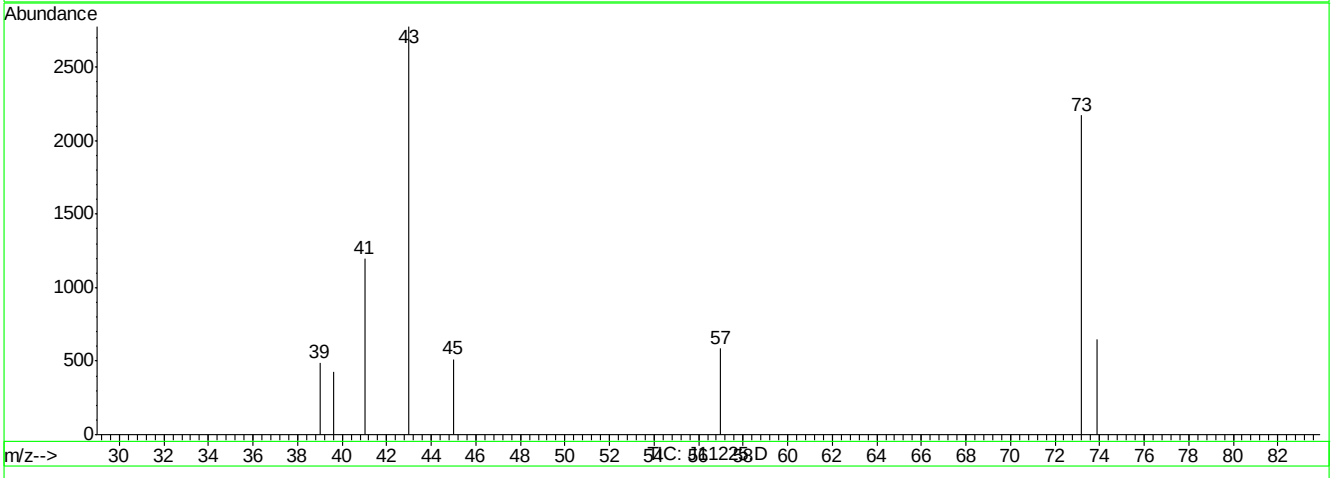
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11225.D Vial: 3
Acq On : 6 Sep 2007 9:05 pm Operator: PhilipB
Sample : IC589-.2 (M187) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 11:02:54 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:02:49 2007
Response via : Multiple Level Calibration





(26) VINYL ACETATE (m)

7.82min 0.26PPBV m

response 6648

Ion	Exp%	Act%
43.00	100	100
44.00	6.70	6.20
86.00	7.60	0.00
0.00	0.00	0.00

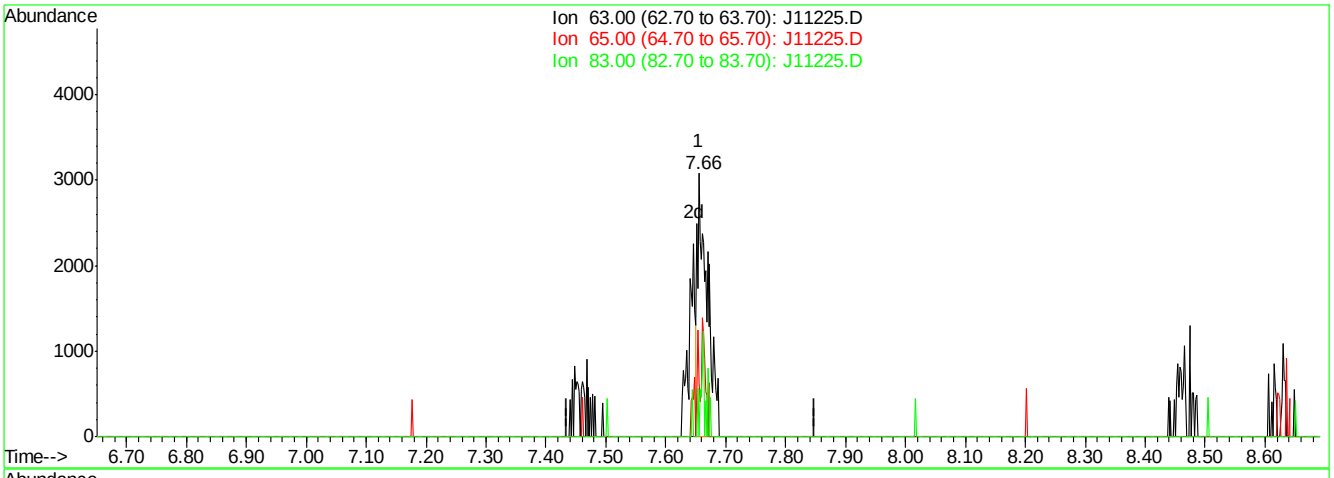
J11225.D J090607T.M Fri Sep 07 11:05:06 2007

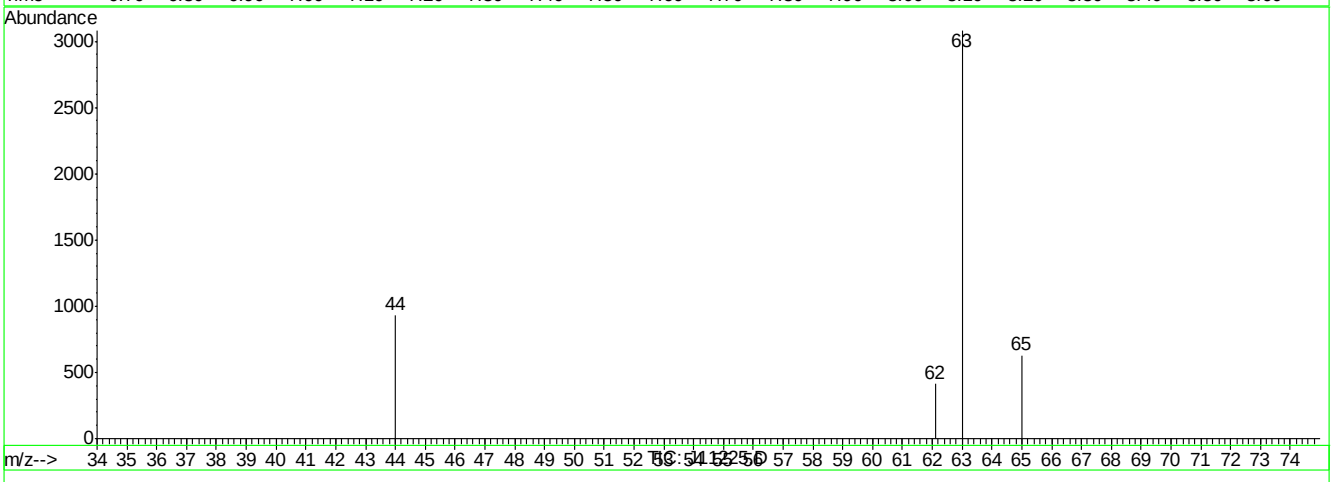
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11225.D Vial: 3
Acq On : 6 Sep 2007 9:05 pm Operator: PhilipB
Sample : IC589-.2 (M187) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 11:02:54 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:02:49 2007
Response via : Multiple Level Calibration





(27) 1,1-DICHLOROETHANE (m)

7.66min 0.12PPBV

response 3508

Ion	Exp%	Act%
63.00	100	100
65.00	31.60	31.70
83.00	14.60	12.20
0.00	0.00	0.00

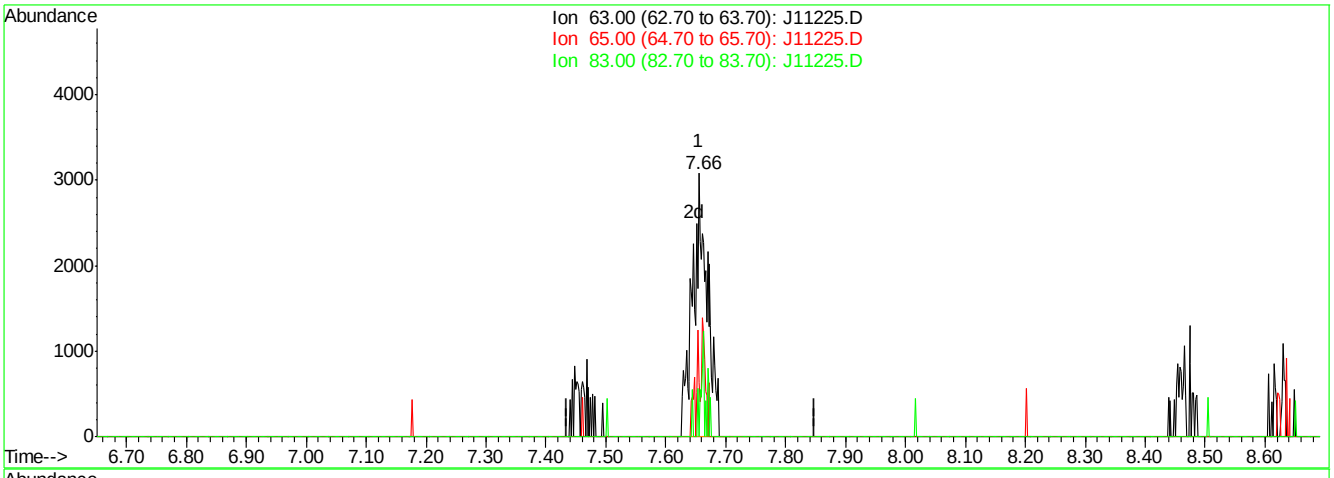
J11225.D J090607T.M Fri Sep 07 11:05:11 2007

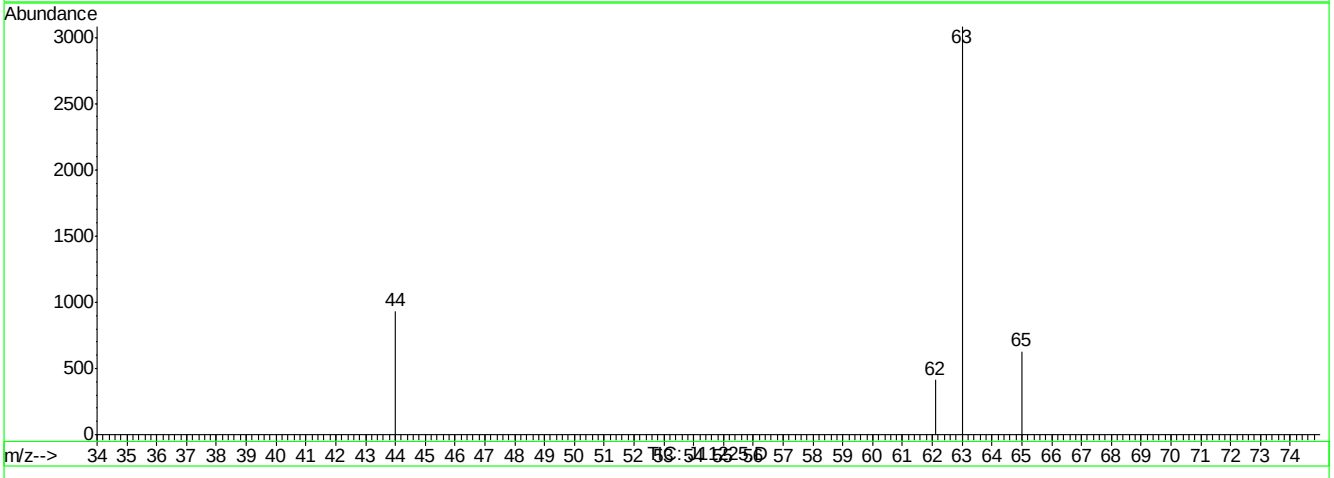
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11225.D Vial: 3
Acq On : 6 Sep 2007 9:05 pm Operator: PhilipB
Sample : IC589-.2 (M187) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 11:02:54 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:02:49 2007
Response via : Multiple Level Calibration





(27) 1,1-DICHLOROETHANE (m)

7.66min 0.17PPBV m

response 5132

Ion	Exp%	Act%
63.00	100	100
65.00	31.60	21.67
83.00	14.60	8.34
0.00	0.00	0.00

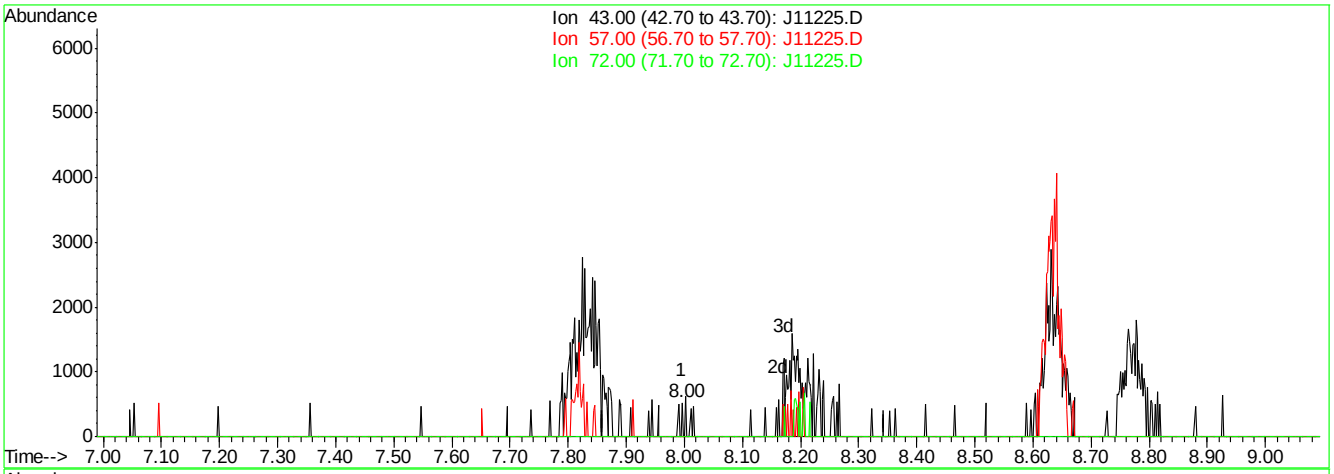
J11225.D J090607T.M Fri Sep 07 11:05:14 2007

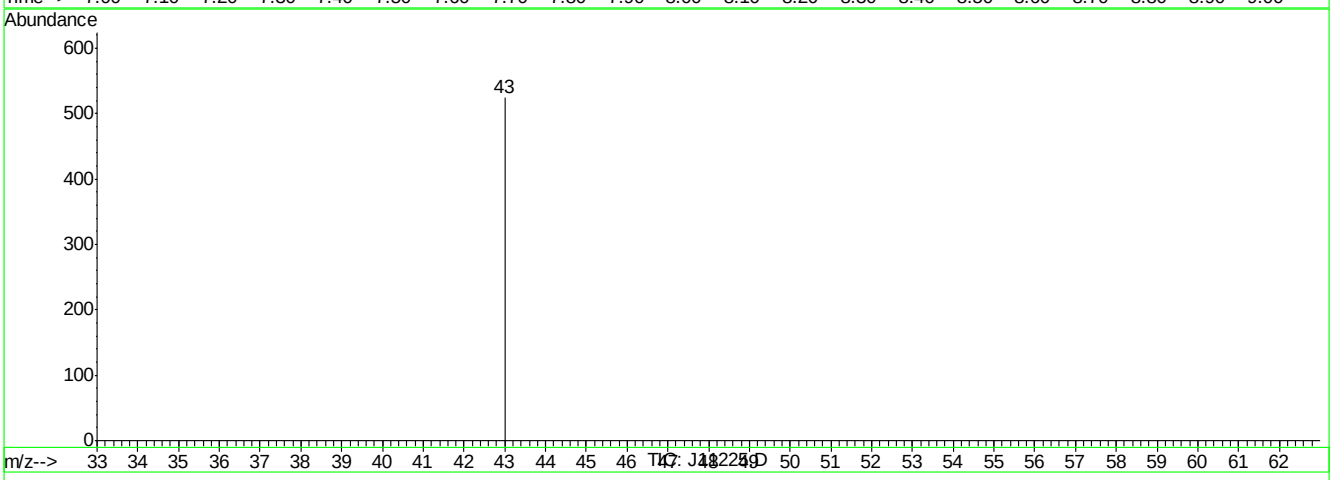
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11225.D Vial: 3
Acq On : 6 Sep 2007 9:05 pm Operator: PhilipB
Sample : IC589-.2 (M187) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 11:02:54 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:02:49 2007
Response via : Multiple Level Calibration





(28) METHYL ETHYL KETONE (m)

8.00min 0.01PPBV

response 110

Ion	Exp%	Act%
43.00	100	100
57.00	7.40	0.00
72.00	25.70	0.00#
0.00	0.00	0.00

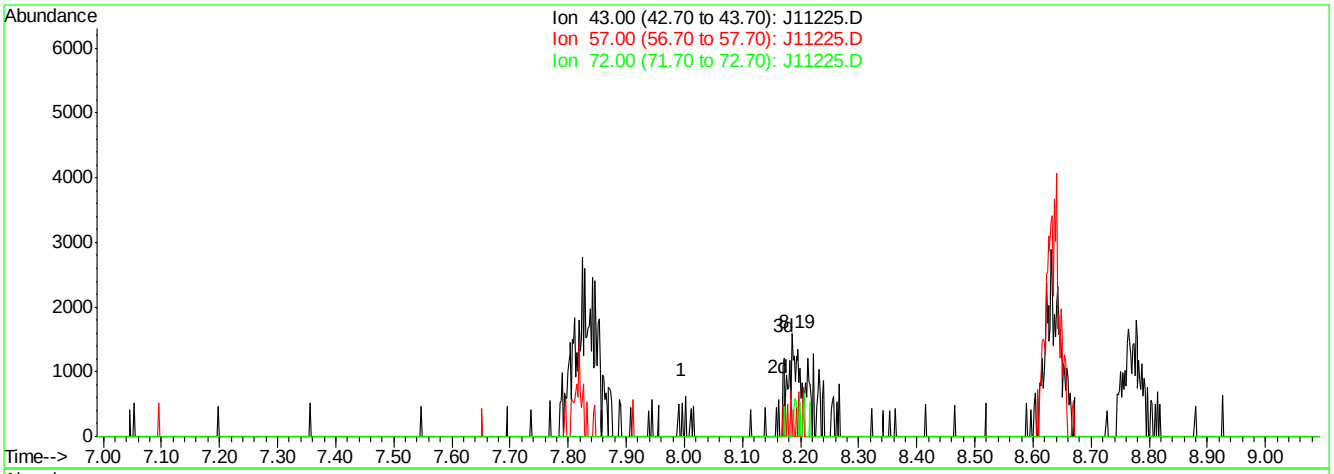
J11225.D J090607T.M Fri Sep 07 11:05:17 2007

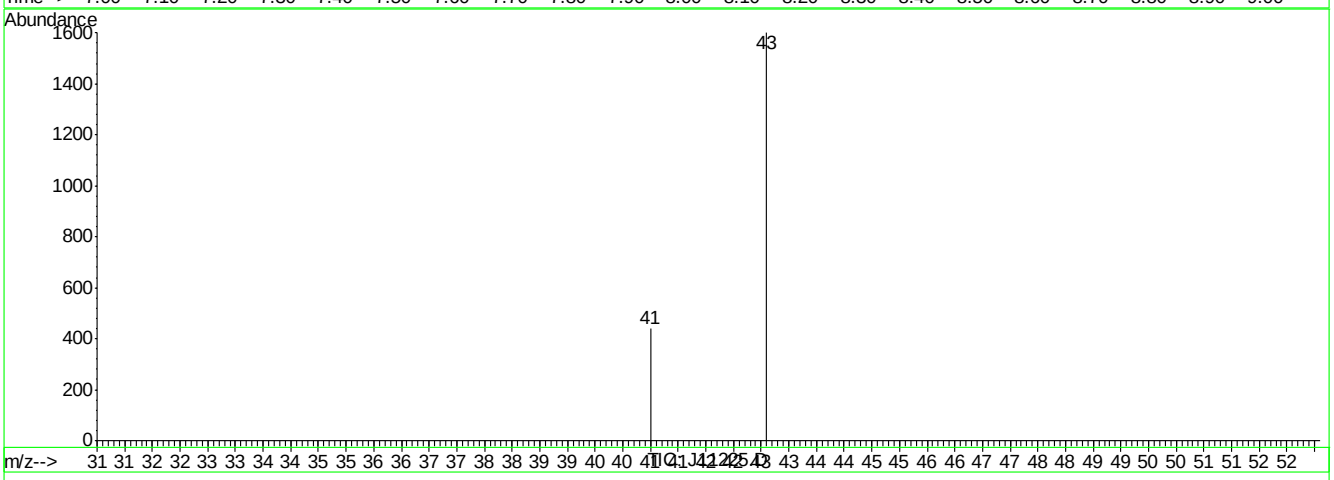
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11225.D Vial: 3
Acq On : 6 Sep 2007 9:05 pm Operator: PhilipB
Sample : IC589-.2 (M187) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 11:02:54 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:02:49 2007
Response via : Multiple Level Calibration





(28) METHYL ETHYL KETONE (m)

8.19min 0.19PPBV m

response 3761

Ion	Exp%	Act%
43.00	100	100
57.00	7.40	0.00
72.00	25.70	0.00#
0.00	0.00	0.00

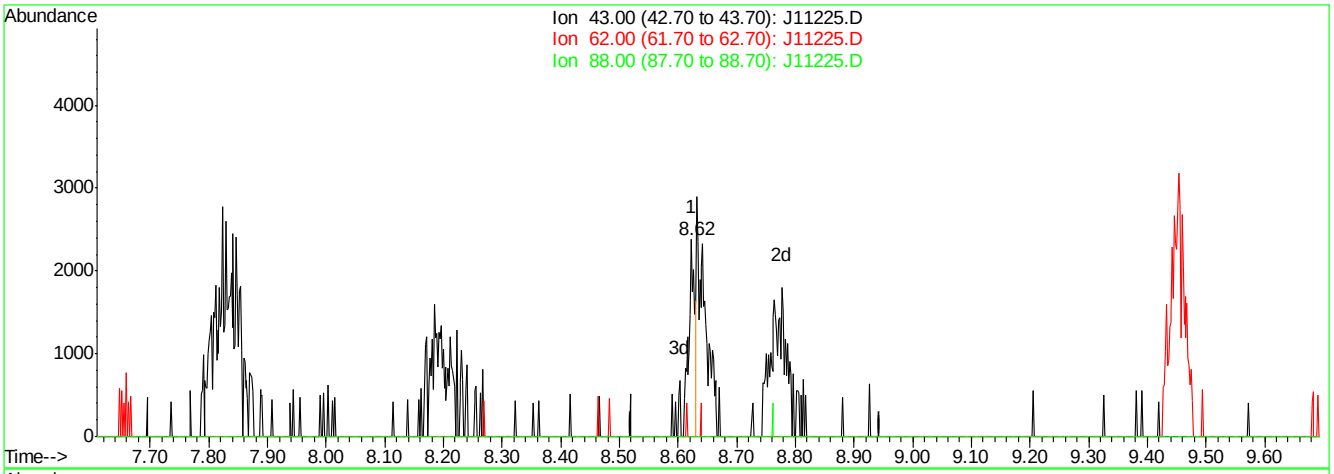
J11225.D J090607T.M Fri Sep 07 11:05:20 2007

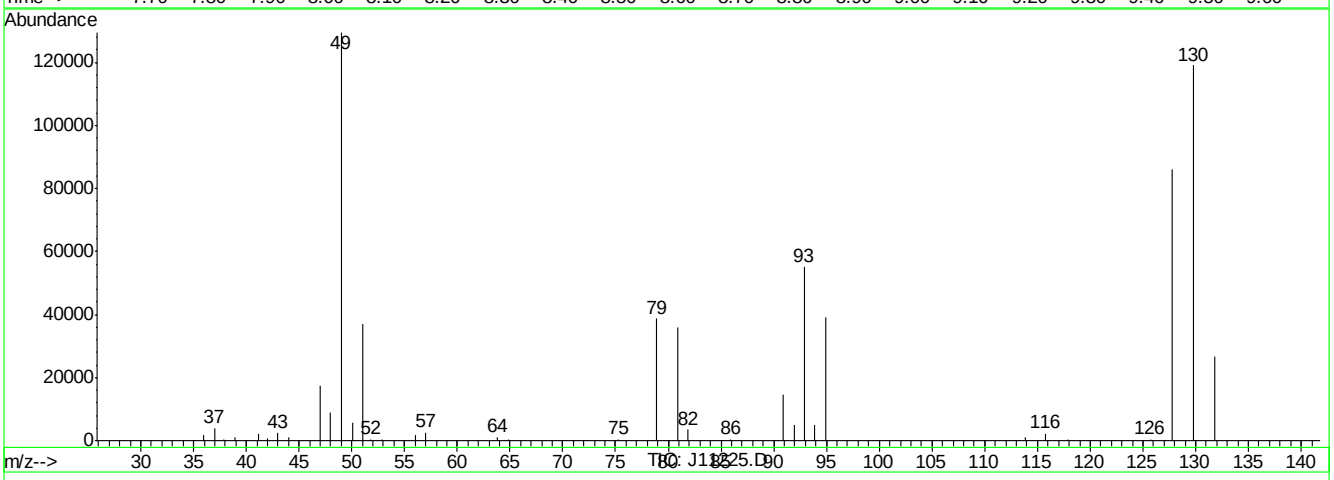
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11225.D Vial: 3
Acq On : 6 Sep 2007 9:05 pm Operator: PhilipB
Sample : IC589-.2 (M187) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 11:02:54 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:02:49 2007
Response via : Multiple Level Calibration





(30) ETHYL ACETATE (m)

8.62min 0.08PPBV

response 1677

Ion	Exp%	Act%
43.00	100	100
62.00	0.00	0.00
88.00	4.20	0.00
0.00	0.00	0.00

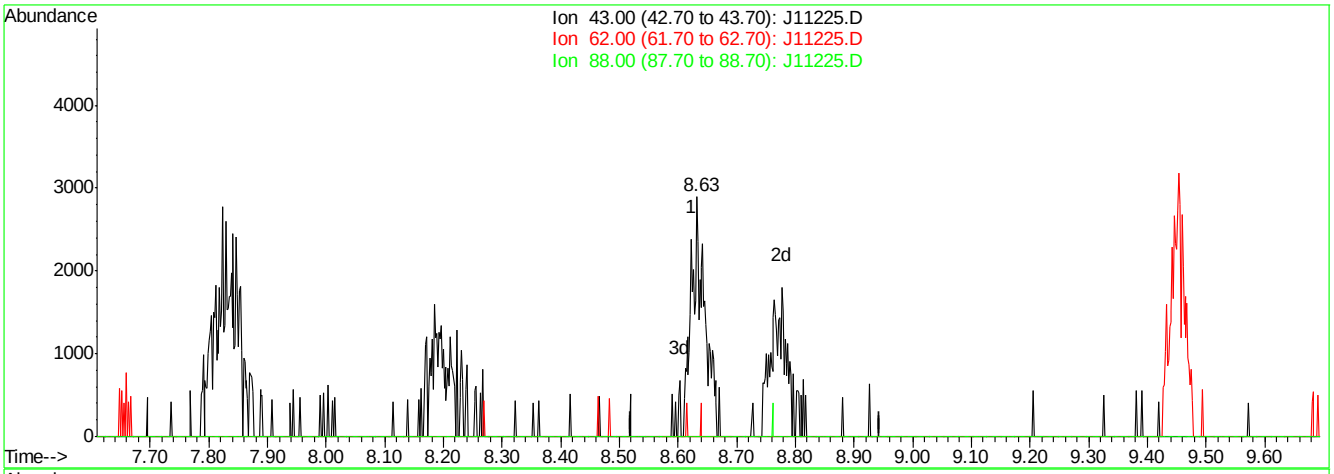
J11225.D J090607T.M Fri Sep 07 11:05:24 2007

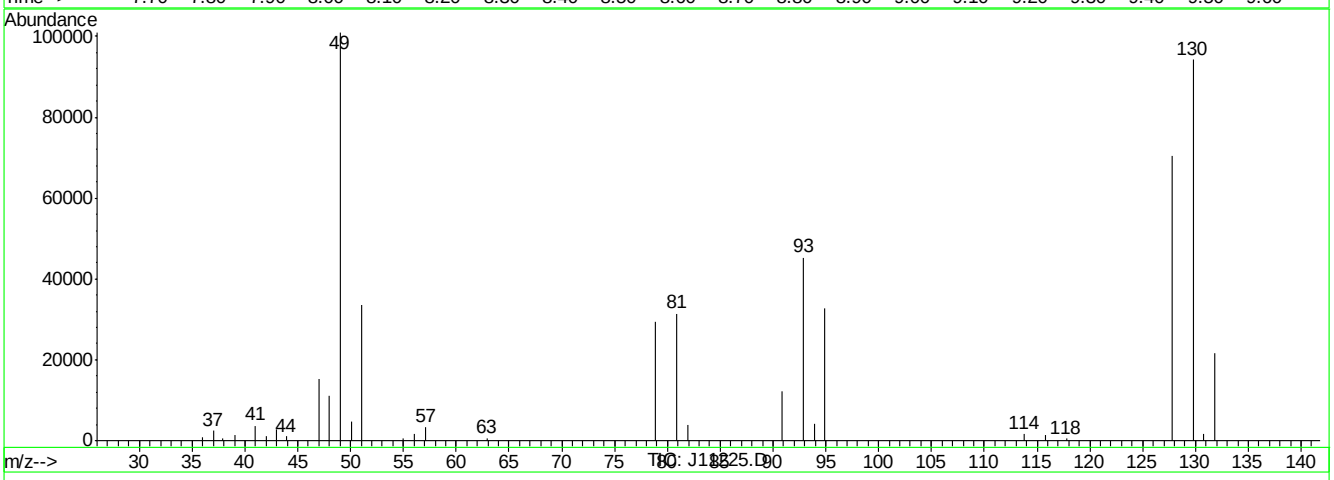
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11225.D Vial: 3
Acq On : 6 Sep 2007 9:05 pm Operator: PhilipB
Sample : IC589-.2 (M187) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 11:02:54 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:02:49 2007
Response via : Multiple Level Calibration





(30) ETHYL ACETATE (m)

8.63min 0.24PPBV m

response 4858

Ion	Exp%	Act%
43.00	100	100
62.00	0.00	0.00
88.00	4.20	0.00
0.00	0.00	0.00

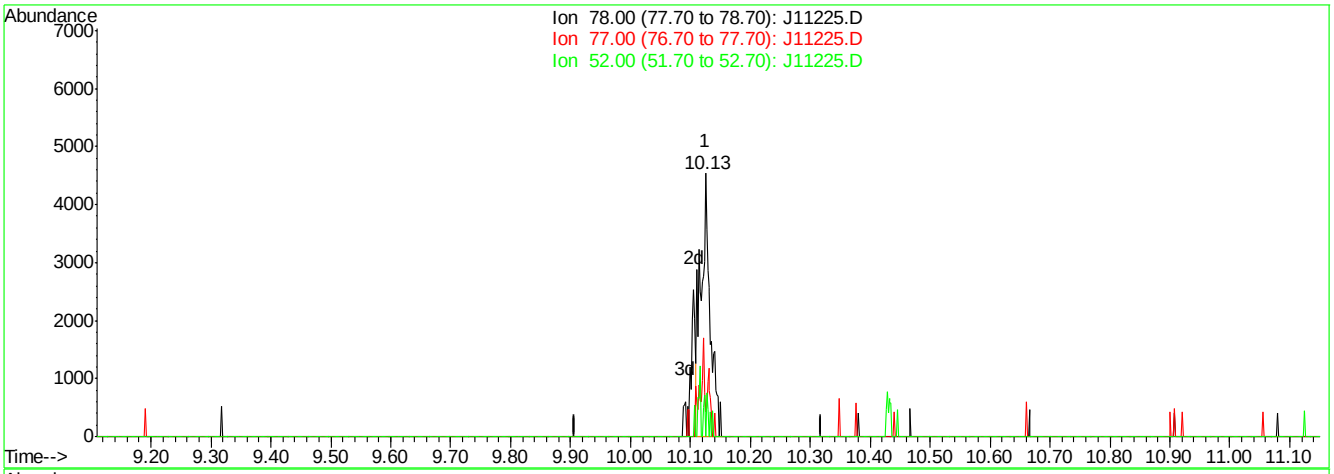
J11225.D J090607T.M Fri Sep 07 11:05:28 2007

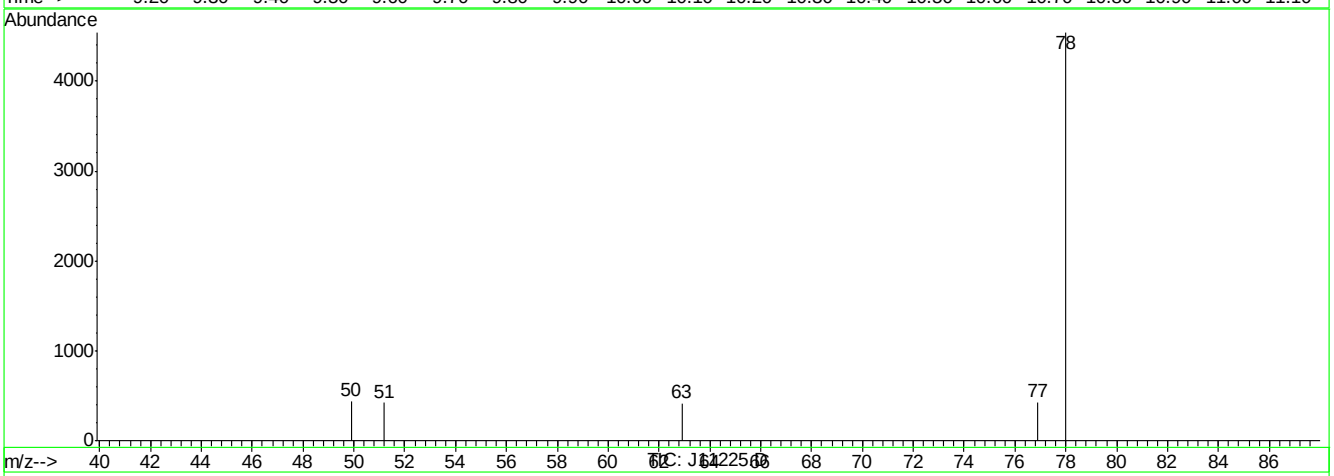
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11225.D Vial: 3
Acq On : 6 Sep 2007 9:05 pm Operator: PhilipB
Sample : IC589-.2 (M187) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 11:02:54 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:02:49 2007
Response via : Multiple Level Calibration





(36) BENZENE (m)

10.13min 0.14PPBV

response 5017

Ion	Exp%	Act%
78.00	100	100
77.00	24.30	27.17
52.00	15.70	6.58
0.00	0.00	0.00

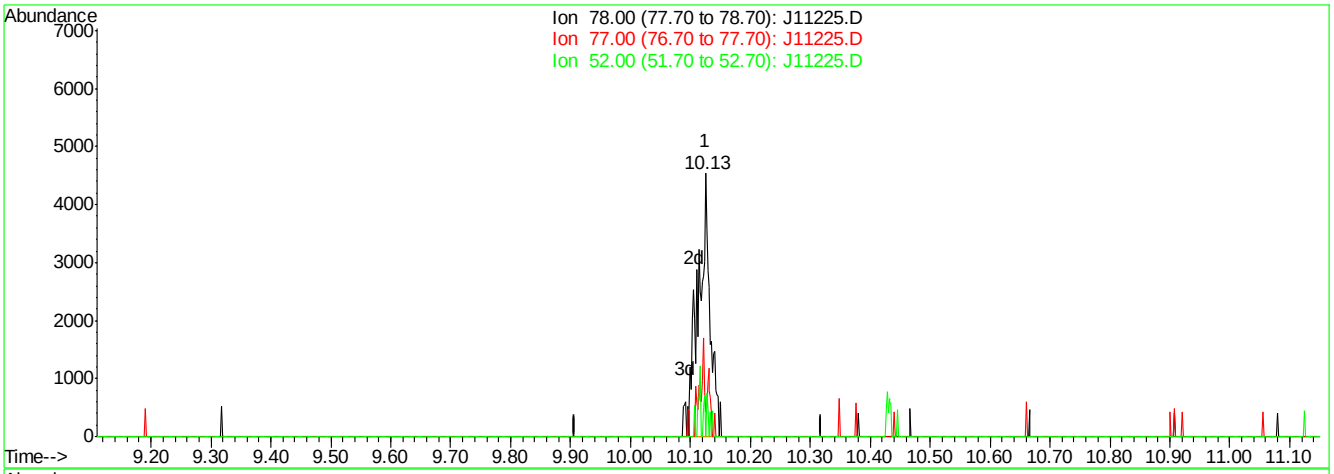
J11225.D J090607T.M Fri Sep 07 11:05:35 2007

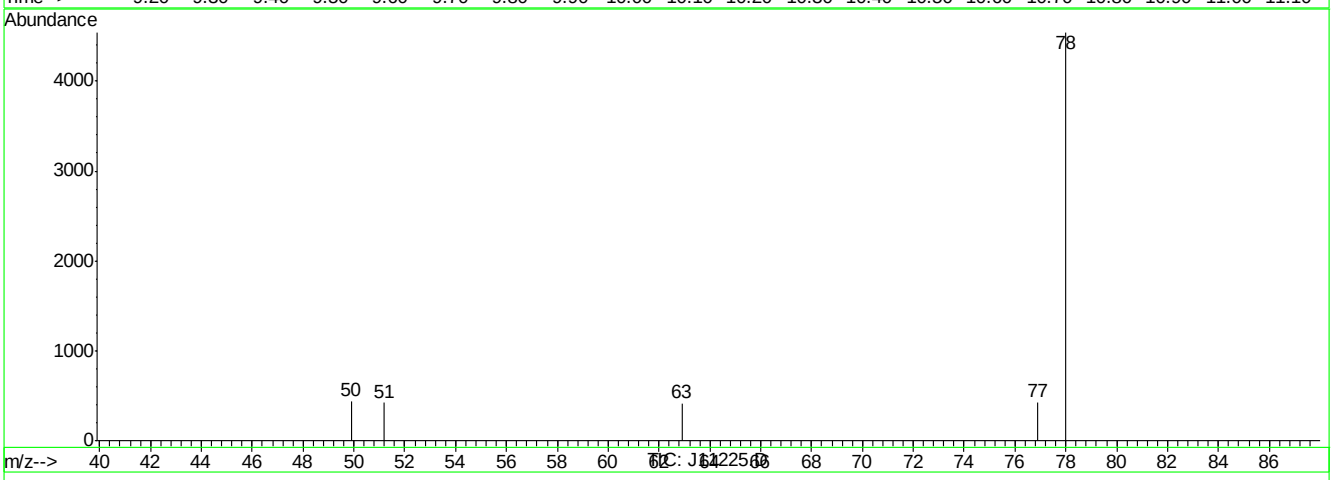
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11225.D Vial: 3
Acq On : 6 Sep 2007 9:05 pm Operator: PhilipB
Sample : IC589-.2 (M187) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 11:02:54 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:02:49 2007
Response via : Multiple Level Calibration





(36) BENZENE (m)

10.13min 0.18PPBV m

response 6342

Ion	Exp%	Act%
78.00	100	100
77.00	24.30	21.49
52.00	15.70	5.20
0.00	0.00	0.00

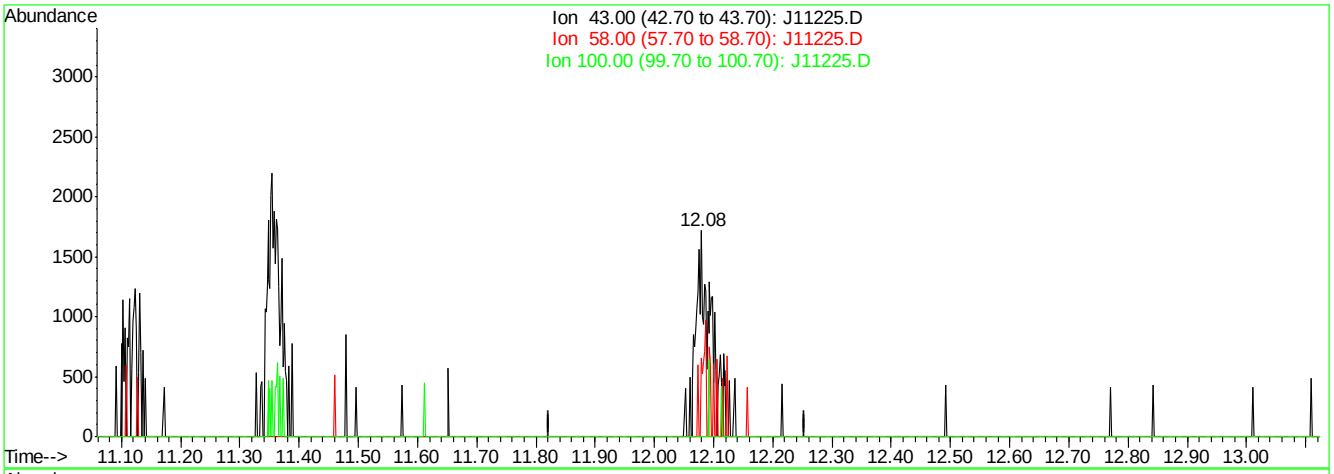
J11225.D J090607T.M Fri Sep 07 11:05:38 2007

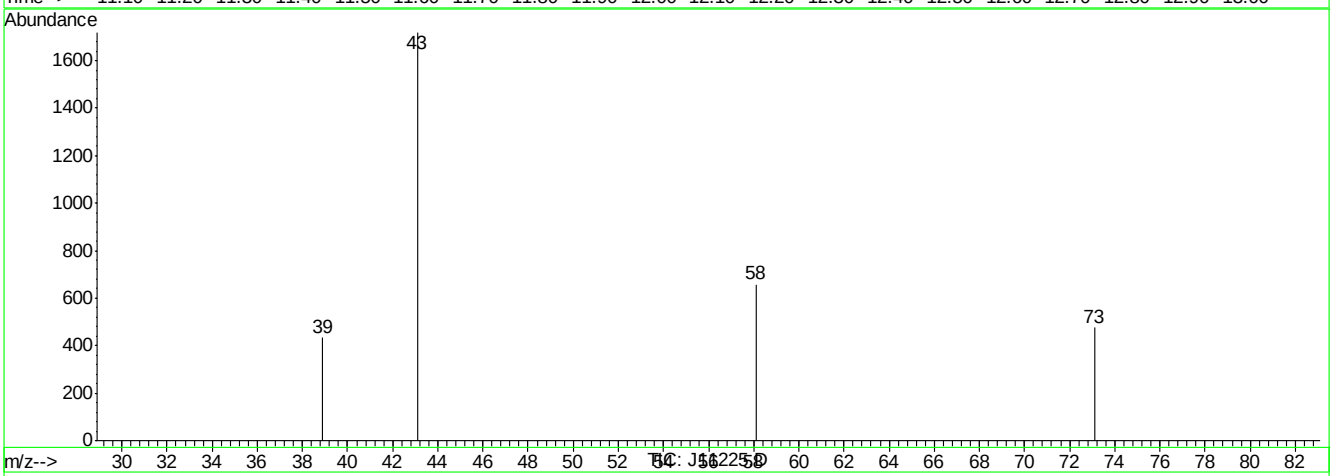
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11225.D Vial: 3
Acq On : 6 Sep 2007 9:05 pm Operator: PhilipB
Sample : IC589-.2 (M187) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 11:02:54 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:02:49 2007
Response via : Multiple Level Calibration





(44) METHYL ISOBUTYL KETONE (m)

12.08min 0.14PPBV

response 2899

Ion	Exp%	Act%
43.00	100	100
58.00	37.60	15.04#
100.00	13.50	0.00
0.00	0.00	0.00

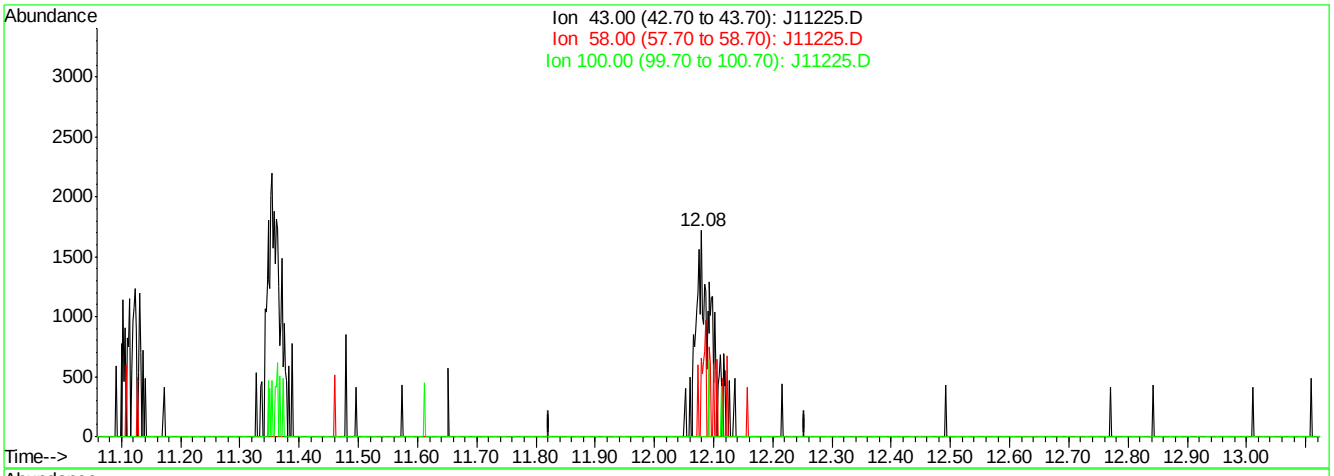
J11225.D J090607T.M Fri Sep 07 11:05:59 2007

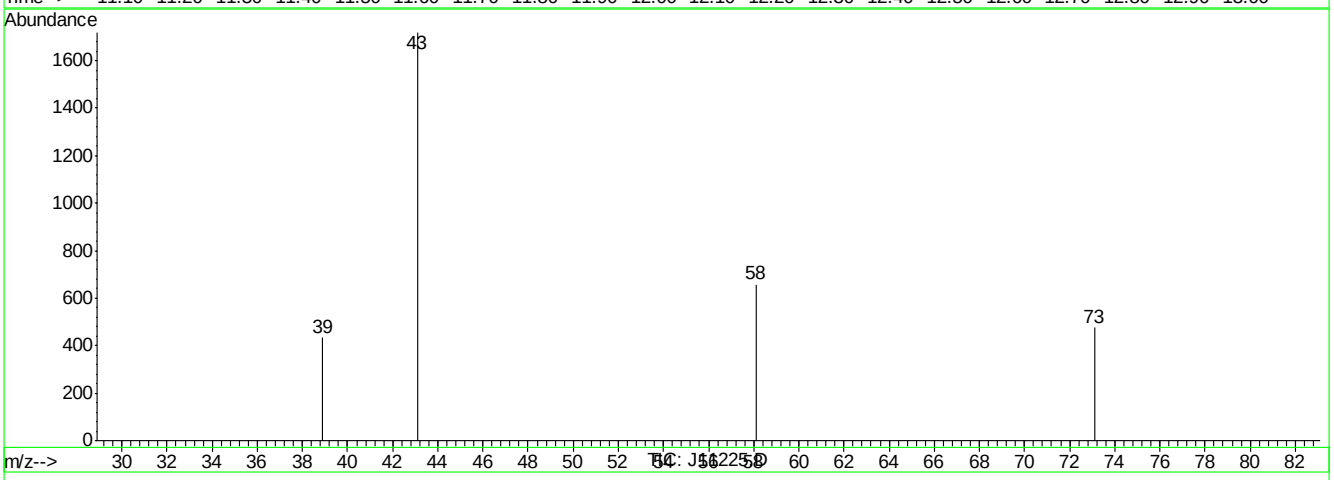
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11225.D Vial: 3
Acq On : 6 Sep 2007 9:05 pm Operator: PhilipB
Sample : IC589-.2 (M187) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 11:02:54 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:02:49 2007
Response via : Multiple Level Calibration





(44) METHYL ISOBUTYL KETONE (m)

12.08min 0.14PPBV m

response 3043

Ion	Exp%	Act%
43.00	100	100
58.00	37.60	14.33#
100.00	13.50	0.00
0.00	0.00	0.00

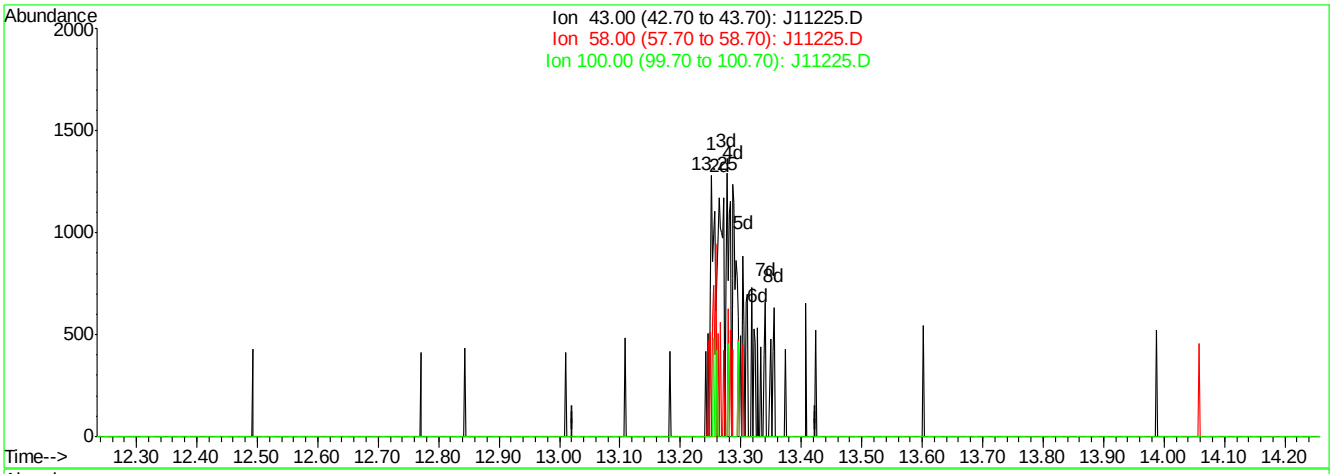
J11225.D J090607T.M Fri Sep 07 11:06:03 2007

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11225.D Vial: 3
Acq On : 6 Sep 2007 9:05 pm Operator: PhilipB
Sample : IC589-.2 (M187) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 11:02:54 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:02:49 2007
Response via : Multiple Level Calibration



(50) 2-HEXANONE (m)

13.25min 0.04PPBV

response 689

Ion	Exp%	Act%
43.00	100	100
58.00	50.60	64.01
100.00	9.90	14.08
0.00	0.00	0.00

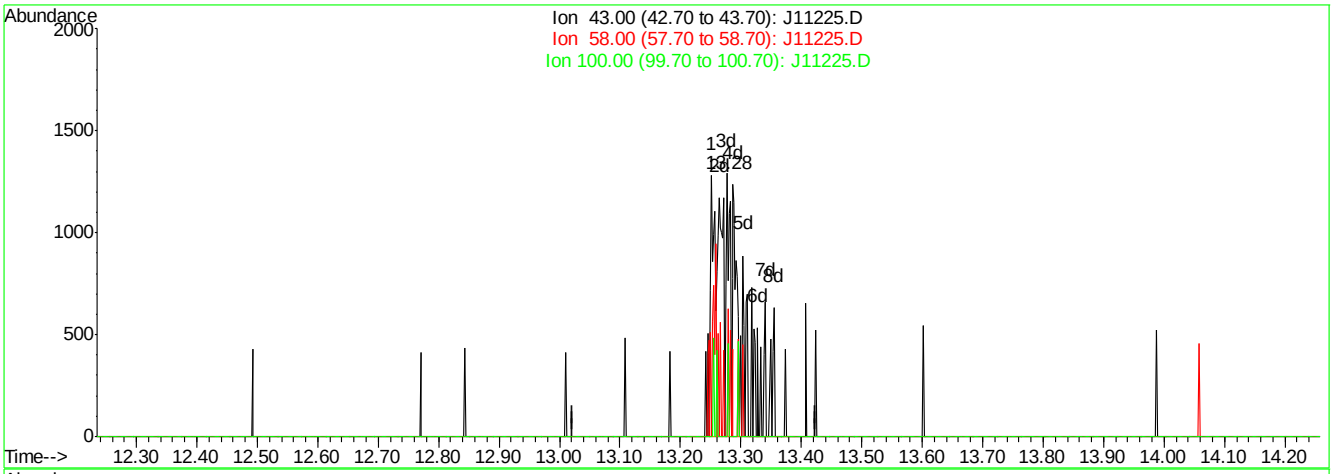
J11225.D J090607T.M Fri Sep 07 11:06:18 2007

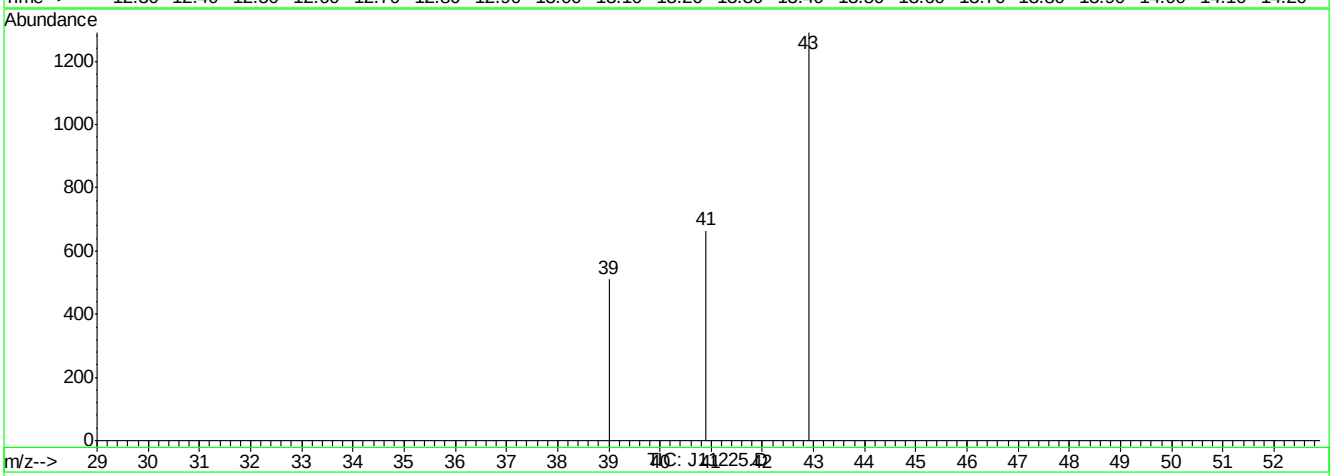
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11225.D Vial: 3
Acq On : 6 Sep 2007 9:05 pm Operator: PhilipB
Sample : IC589-.2 (M187) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 11:02:54 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:02:49 2007
Response via : Multiple Level Calibration





(50) 2-HEXANONE (m)

13.28min 0.22PPBV m

response 3592

Ion	Exp%	Act%
43.00	100	100
58.00	50.60	12.28#
100.00	9.90	2.70
0.00	0.00	0.00

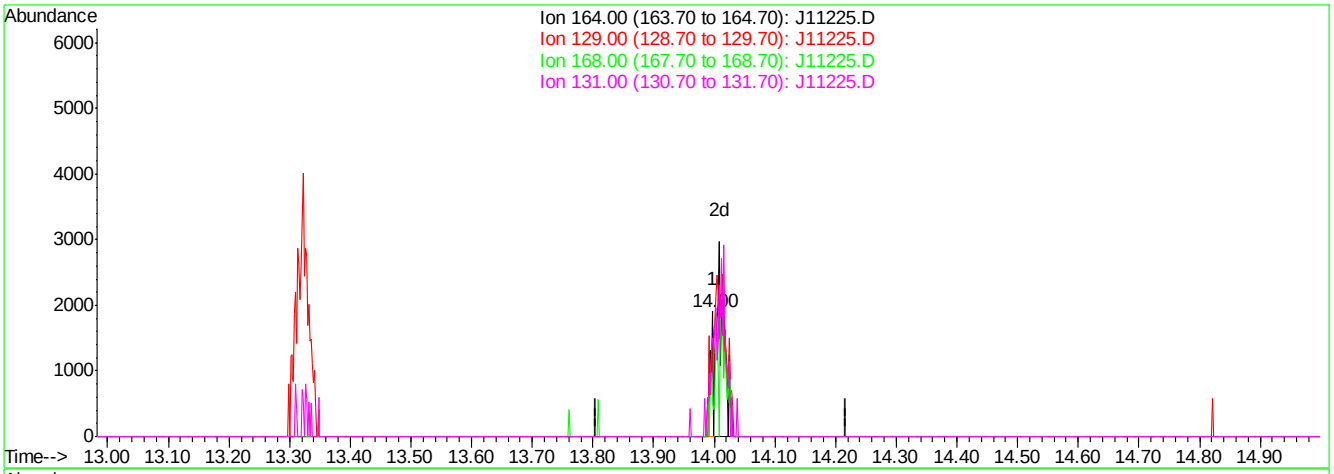
J11225.D J090607T.M Fri Sep 07 11:06:21 2007

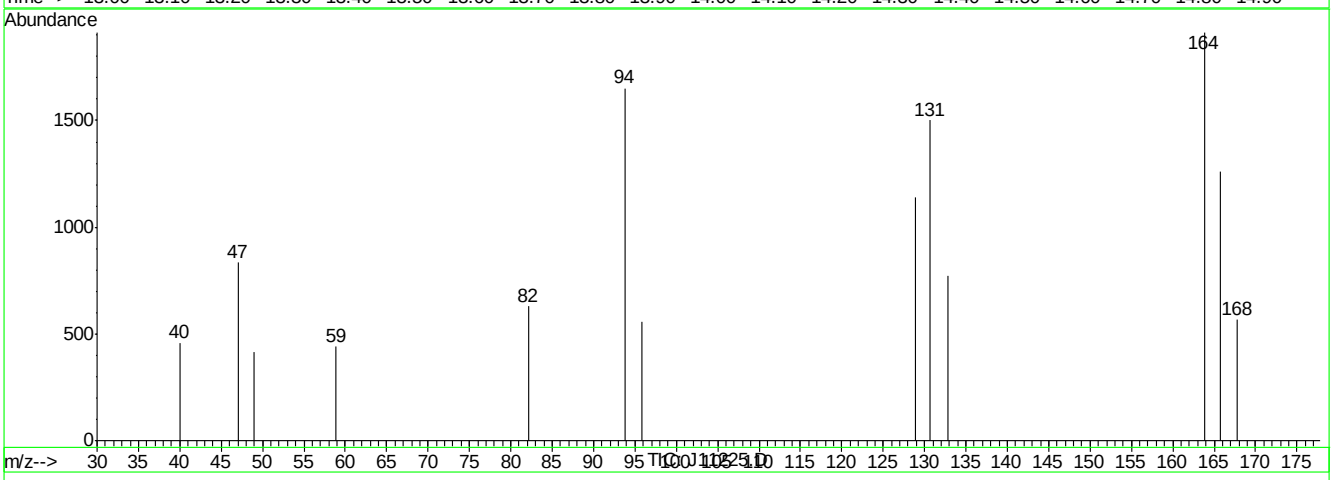
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11225.D Vial: 3
Acq On : 6 Sep 2007 9:05 pm Operator: PhilipB
Sample : IC589-.2 (M187) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 11:02:54 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:02:49 2007
Response via : Multiple Level Calibration





(51) TETRACHLOROETHYLENE (m)

14.00min 0.04PPBV

response 691

Ion	Exp%	Act%
164.00	100	100
129.00	88.80	0.00#
168.00	61.60	0.00#
131.00	86.20	0.00#

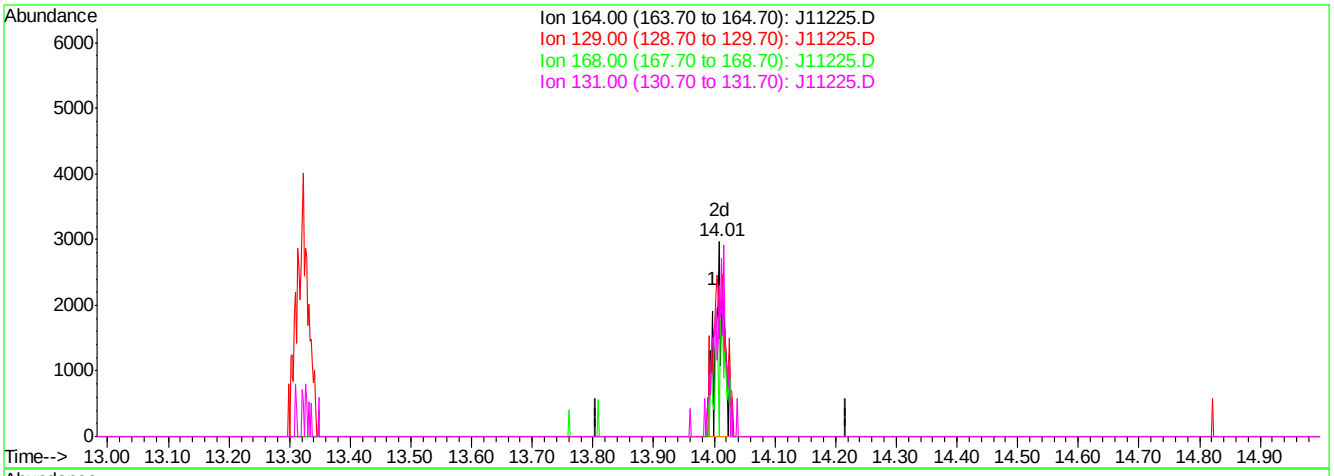
J11225.D J090607T.M Fri Sep 07 11:06:24 2007

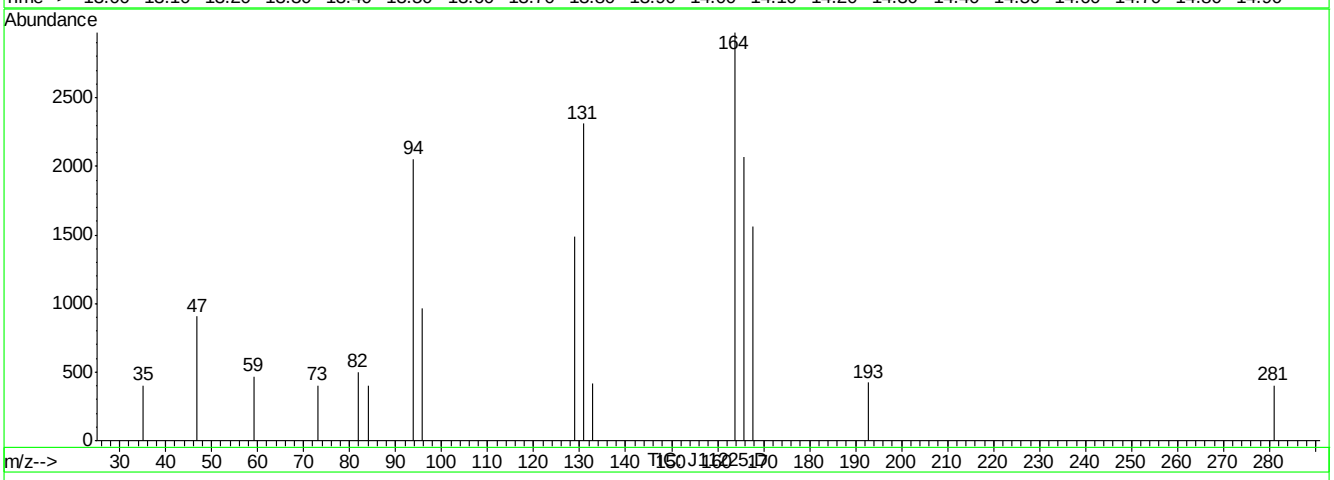
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11225.D Vial: 3
Acq On : 6 Sep 2007 9:05 pm Operator: PhilipB
Sample : IC589-.2 (M187) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 11:02:54 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:02:49 2007
Response via : Multiple Level Calibration





(51) TETRACHLOROETHYLENE (m)

14.01min 0.19PPBV m

response 3098

Ion	Exp%	Act%
164.00	100	100
129.00	88.80	0.00#
168.00	61.60	0.00#
131.00	86.20	0.00#

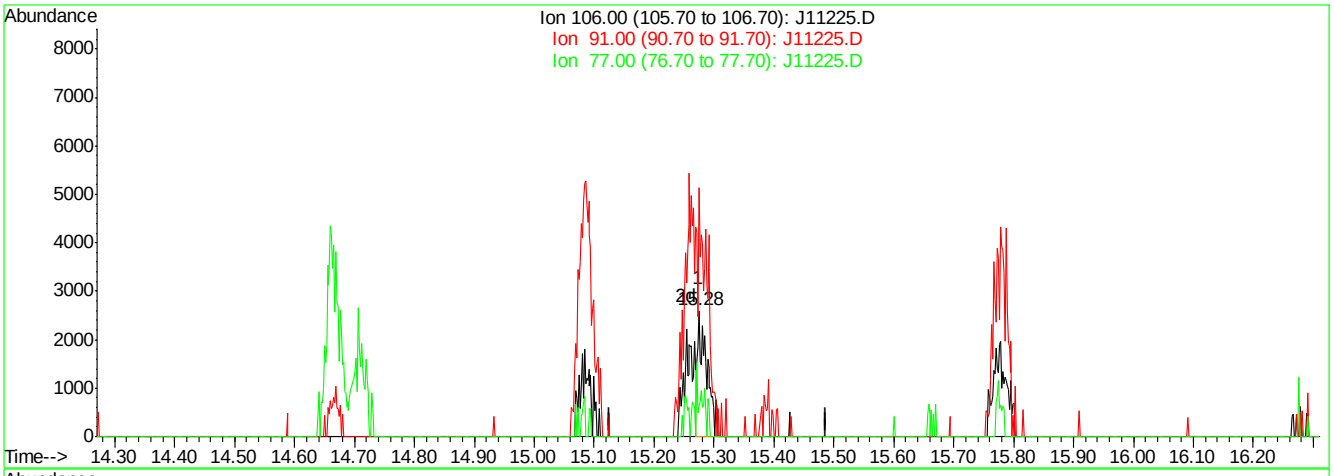
J11225.D J090607T.M Fri Sep 07 11:06:28 2007

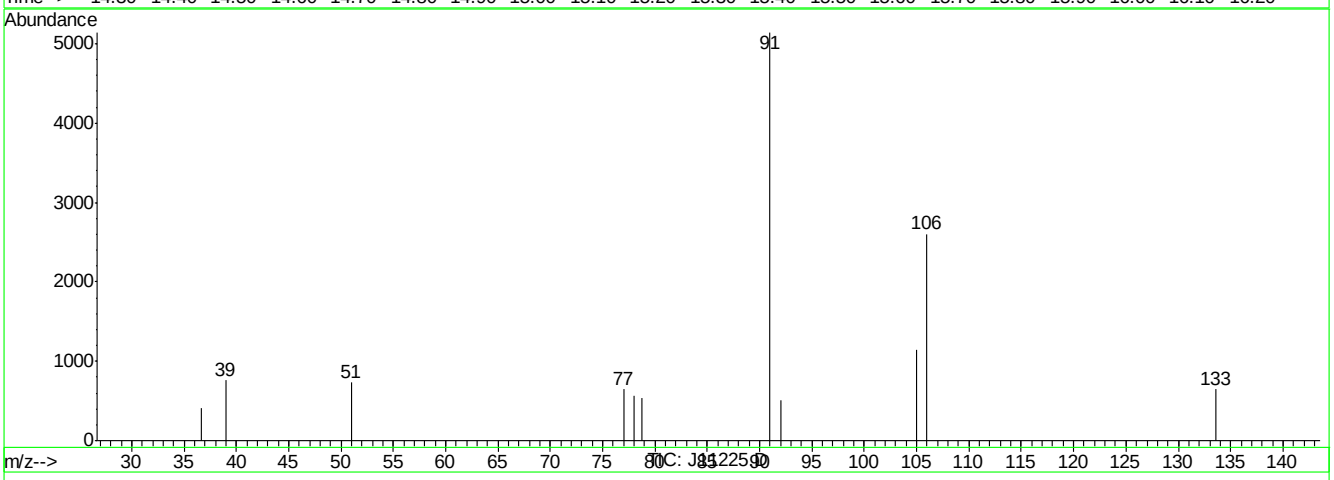
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11225.D Vial: 3
Acq On : 6 Sep 2007 9:05 pm Operator: PhilipB
Sample : IC589-.2 (M187) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 11:02:54 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:02:49 2007
Response via : Multiple Level Calibration





(56) m,p-XYLENE (m)

15.28min 0.16PPBV

response 2785

Ion	Exp%	Act%
106.00	100	100
91.00	185.30	197.50
77.00	23.50	24.87
0.00	0.00	0.00

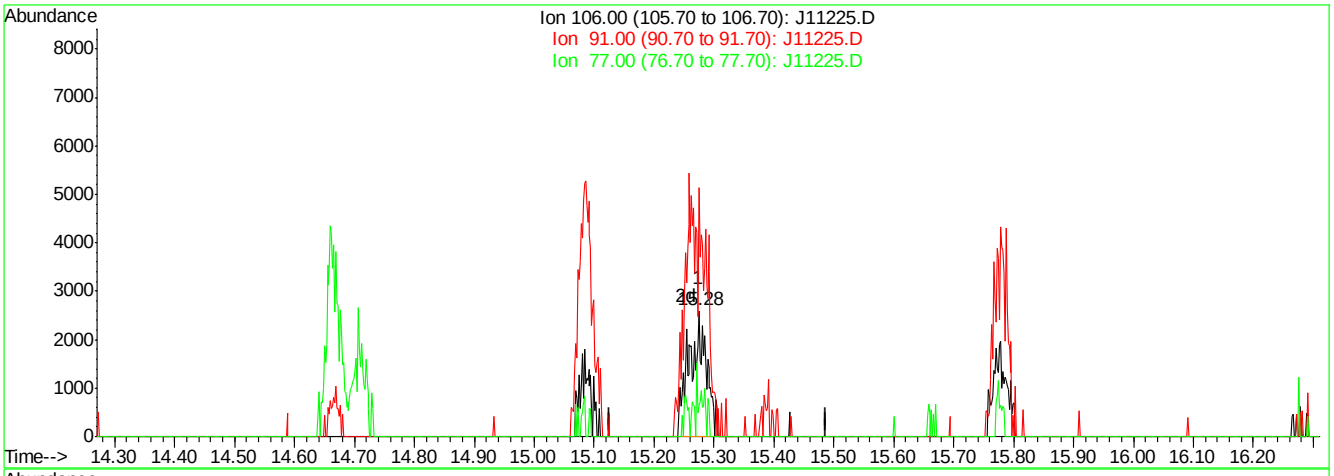
J11225.D J090607T.M Fri Sep 07 11:06:35 2007

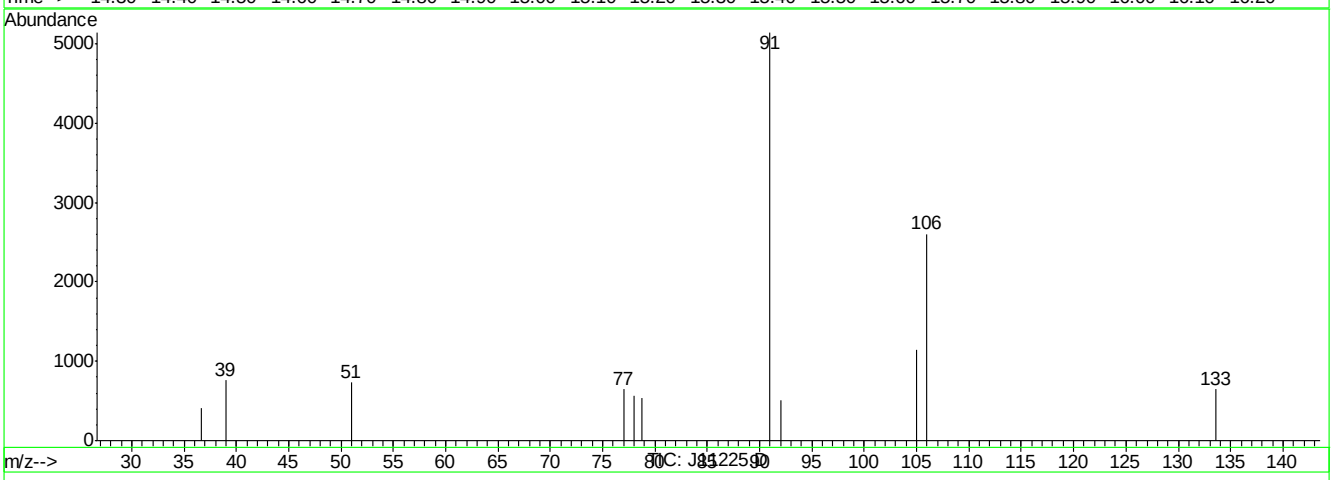
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11225.D Vial: 3
Acq On : 6 Sep 2007 9:05 pm Operator: PhilipB
Sample : IC589-.2 (M187) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 11:02:54 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:02:49 2007
Response via : Multiple Level Calibration





(56) m,p-XYLENE (m)

15.28min 0.30PPBV m

response 5136

Ion	Exp%	Act%
106.00	100	100
91.00	185.30	197.50
77.00	23.50	24.87
0.00	0.00	0.00

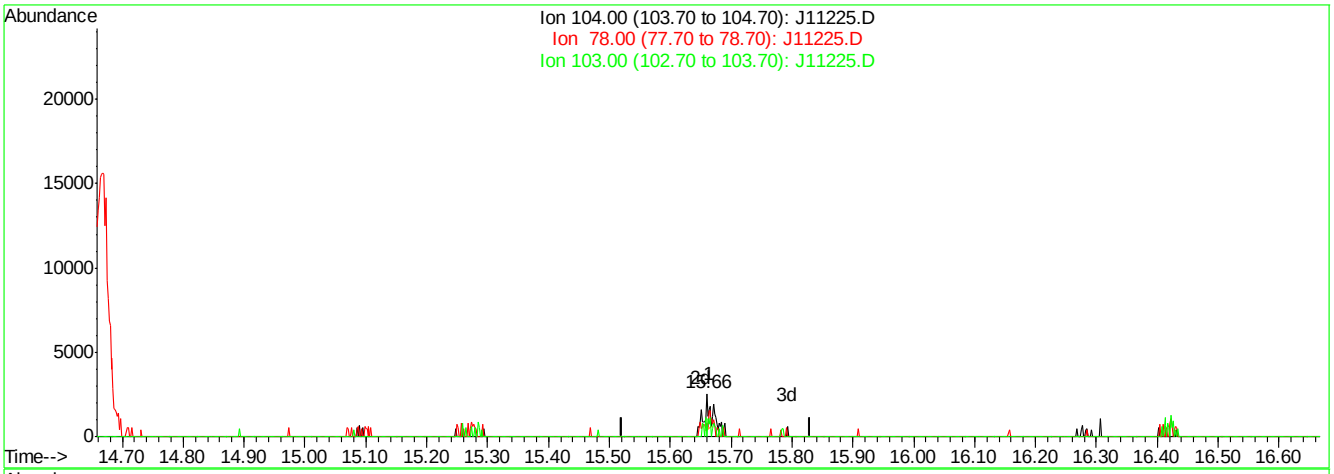
J11225.D J090607T.M Fri Sep 07 11:06:39 2007

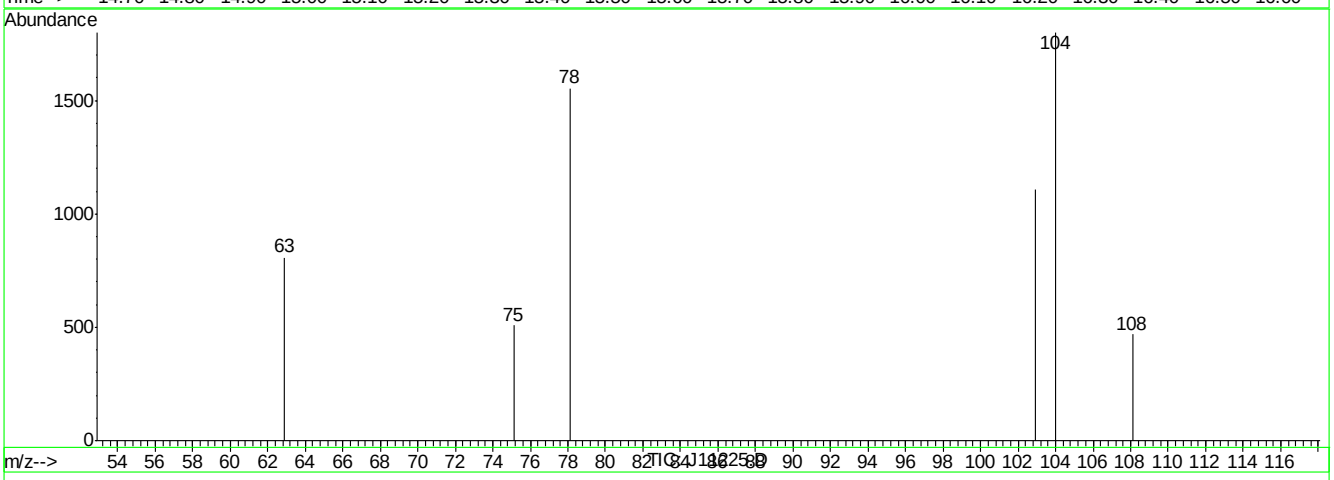
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11225.D Vial: 3
Acq On : 6 Sep 2007 9:05 pm Operator: PhilipB
Sample : IC589-.2 (M187) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 11:02:54 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:02:49 2007
Response via : Multiple Level Calibration





(58) STYRENE (m)

15.66min 0.03PPBV

response 665

Ion	Exp%	Act%
104.00	100	100
78.00	44.10	227.52#
103.00	47.40	0.00#
0.00	0.00	0.00

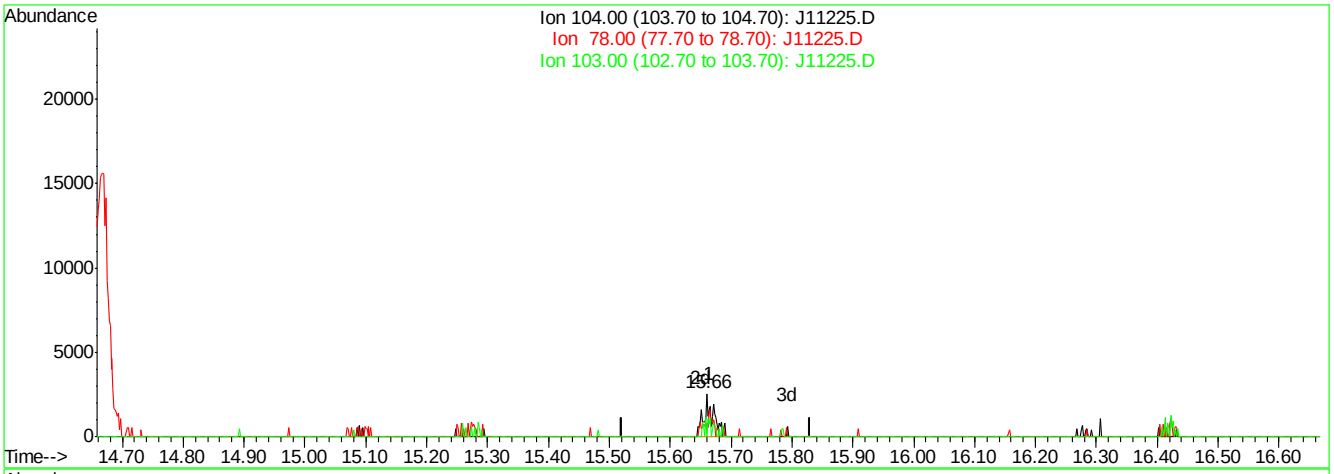
J11225.D J090607T.M Fri Sep 07 11:06:45 2007

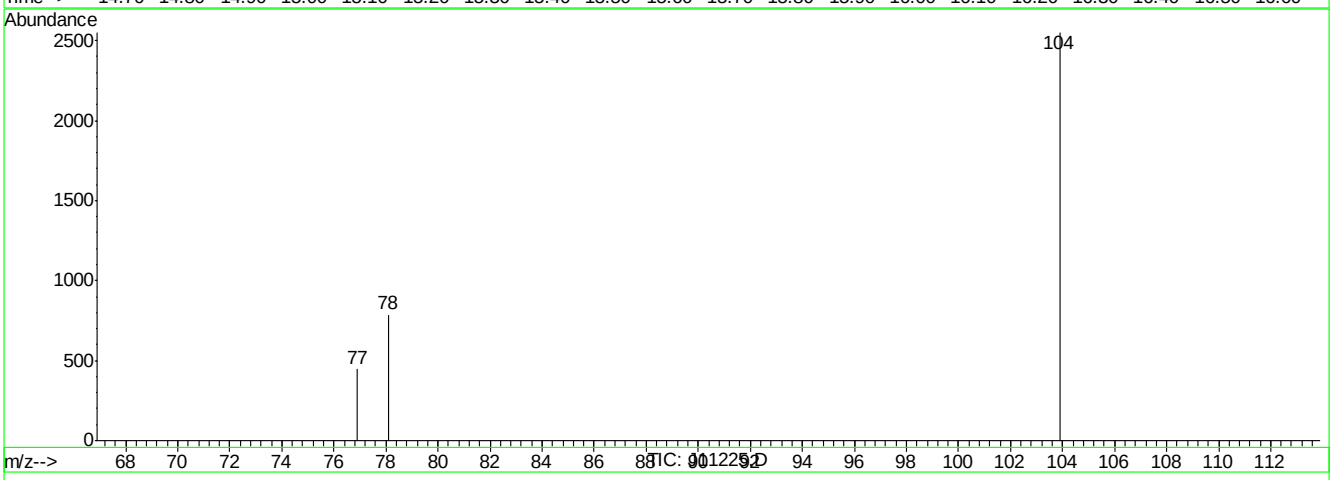
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11225.D Vial: 3
Acq On : 6 Sep 2007 9:05 pm Operator: PhilipB
Sample : IC589-.2 (M187) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 11:02:54 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:02:49 2007
Response via : Multiple Level Calibration





(58) STYRENE (m)

15.66min 0.13PPBV m

response 2825

Ion	Exp%	Act%
104.00	100	100
78.00	44.10	53.56
103.00	47.40	0.00#
0.00	0.00	0.00

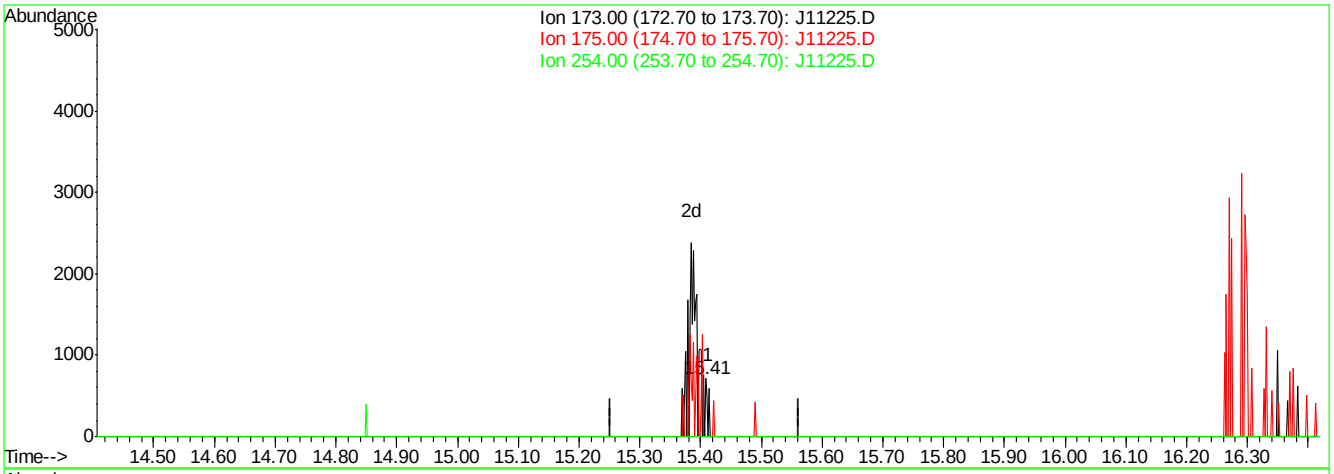
J11225.D J090607T.M Fri Sep 07 11:06:48 2007

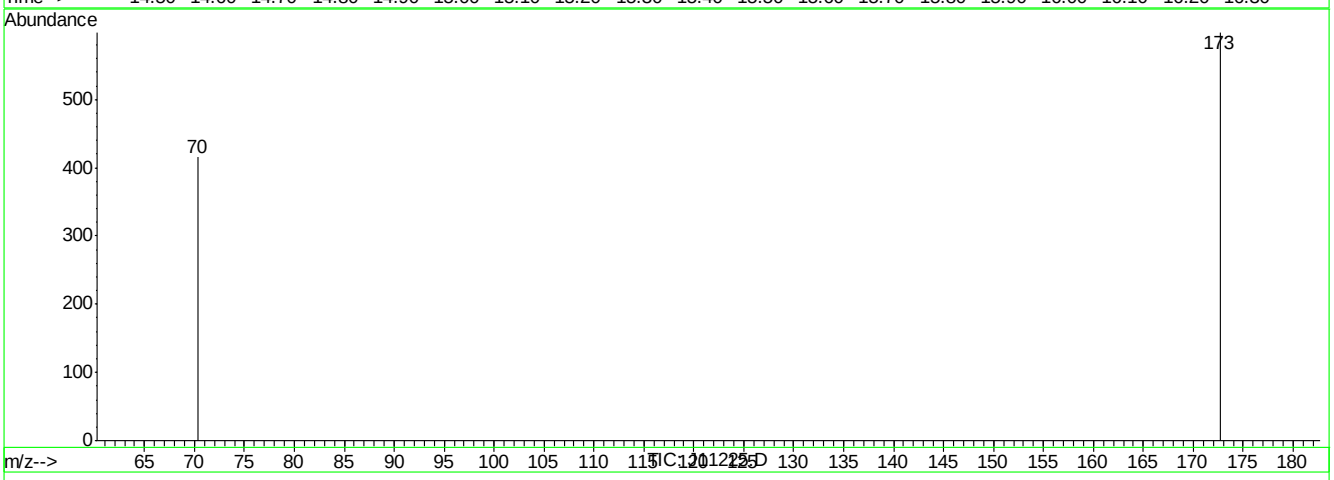
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11225.D Vial: 3
Acq On : 6 Sep 2007 9:05 pm Operator: PhilipB
Sample : IC589-.2 (M187) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 11:02:54 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:02:49 2007
Response via : Multiple Level Calibration





(60) BROMOFORM (m)

15.41min 0.01PPBV

response 241

Ion	Exp%	Act%
173.00	100	100
175.00	48.70	0.00#
254.00	9.90	0.00
0.00	0.00	0.00

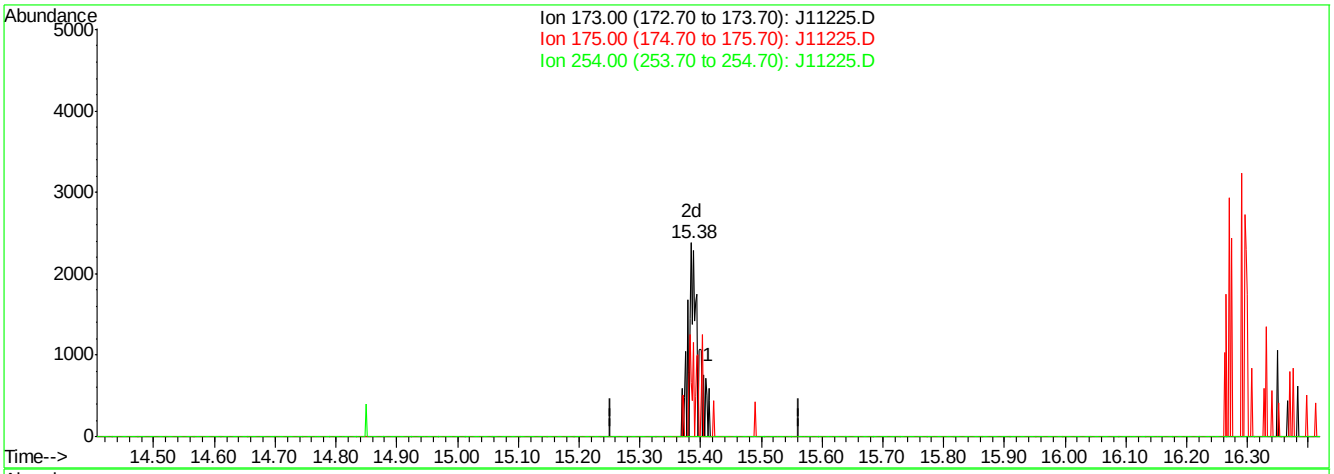
J11225.D J090607T.M Fri Sep 07 11:06:52 2007

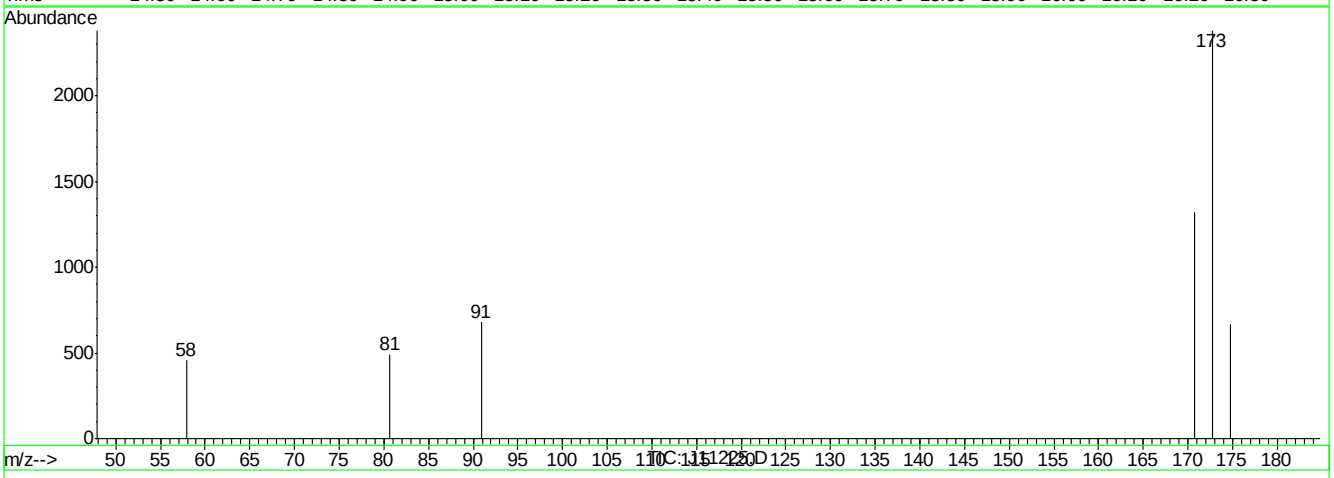
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11225.D Vial: 3
Acq On : 6 Sep 2007 9:05 pm Operator: PhilipB
Sample : IC589-.2 (M187) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 11:02:54 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:02:49 2007
Response via : Multiple Level Calibration





(60) BROMOFORM (m)

15.38min 0.10PPBV m

response 2375

Ion	Exp%	Act%
173.00	100	100
175.00	48.70	0.00#
254.00	9.90	0.00
0.00	0.00	0.00

J11225.D J090607T.M Fri Sep 07 11:06:55 2007

6.7.17.49

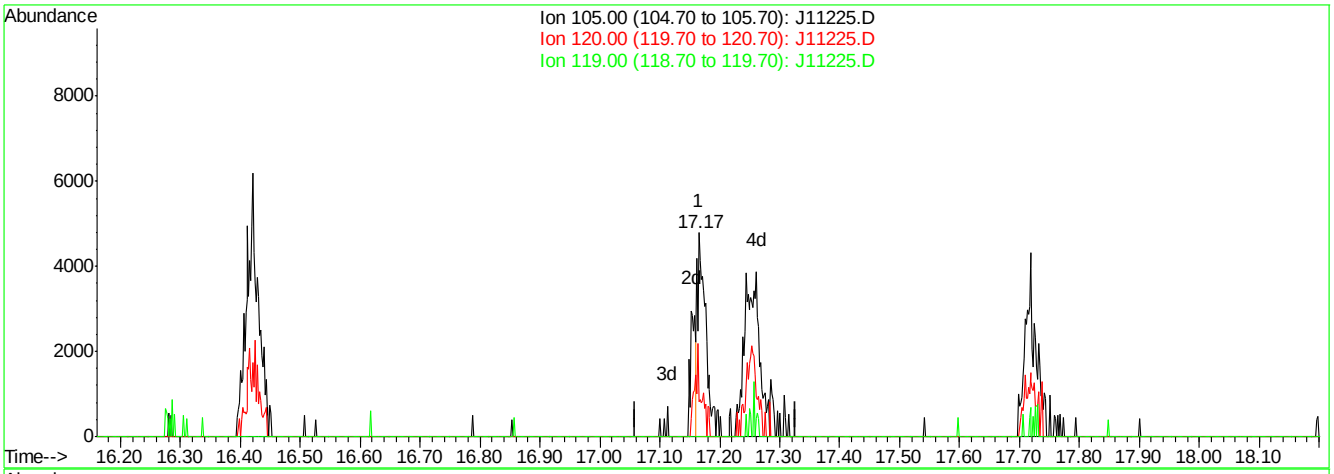
6

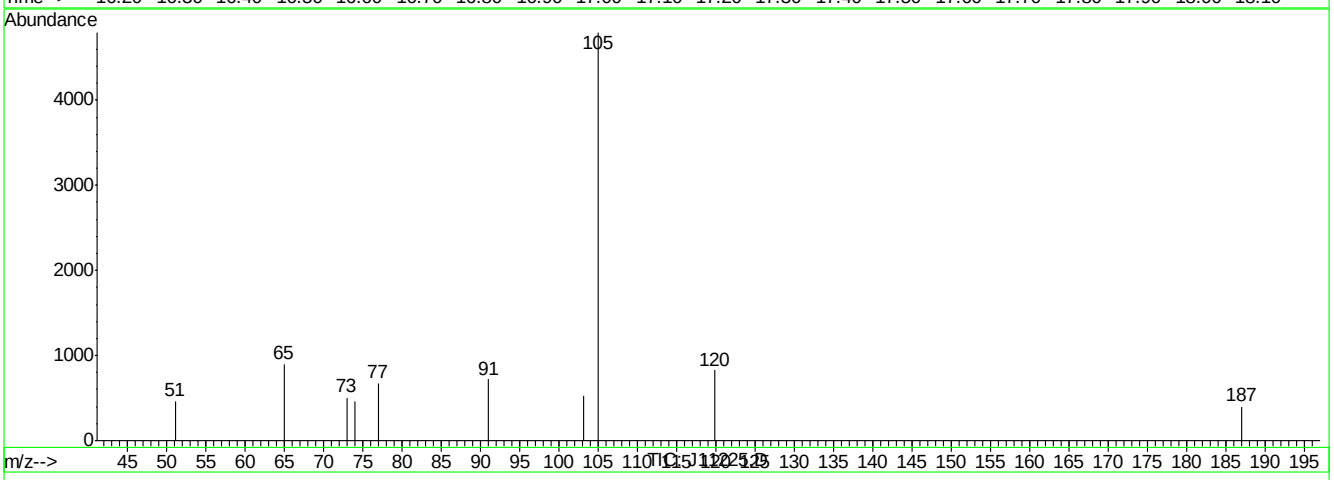
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11225.D Vial: 3
Acq On : 6 Sep 2007 9:05 pm Operator: PhilipB
Sample : IC589-.2 (M187) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 11:02:54 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:02:49 2007
Response via : Multiple Level Calibration





(65) 4-ETHYLTOLUENE (m)

17.17min 0.09PPBV

response 4637

Ion	Exp%	Act%
105.00	100	100
120.00	30.50	35.95
119.00	1.70	0.00
0.00	0.00	0.00

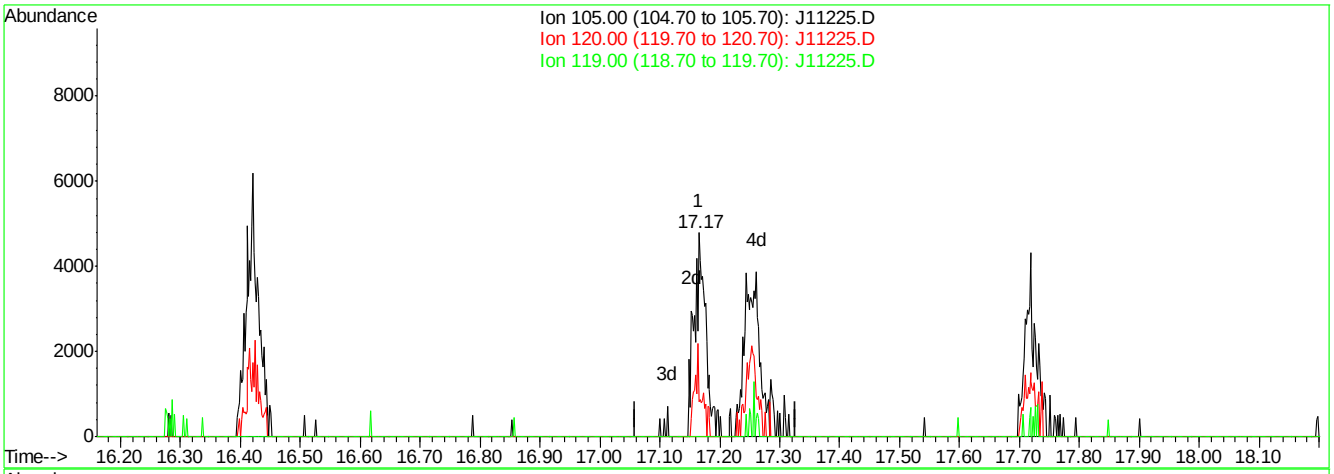
J11225.D J090607T.M Fri Sep 07 11:07:03 2007

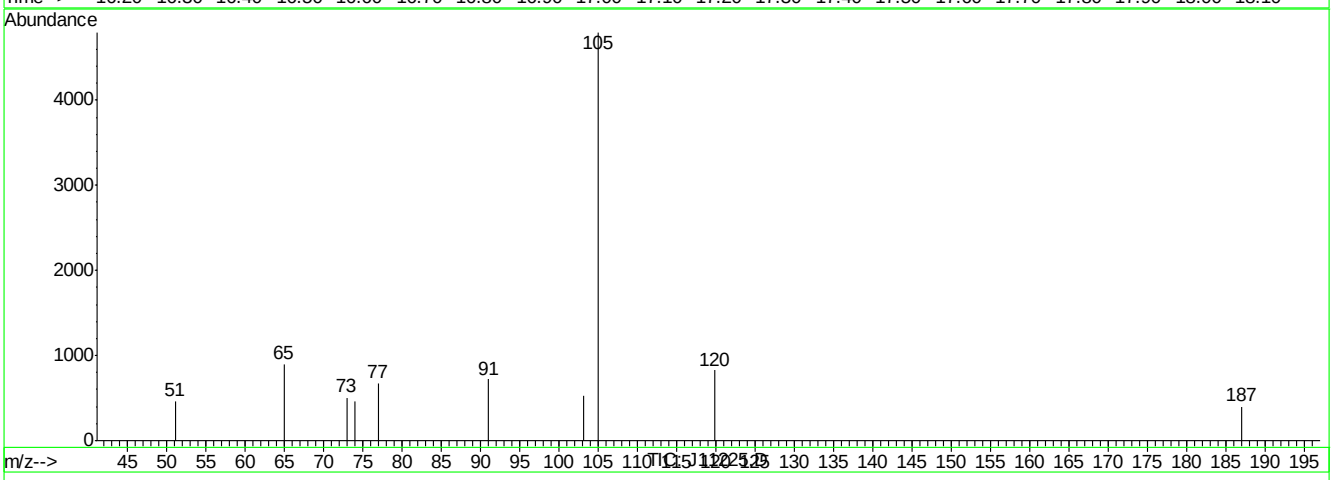
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11225.D Vial: 3
Acq On : 6 Sep 2007 9:05 pm Operator: PhilipB
Sample : IC589-.2 (M187) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 11:02:54 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:02:49 2007
Response via : Multiple Level Calibration





(65) 4-ETHYLTOLUENE (m)

17.17min 0.13PPBV m

response 6423

Ion	Exp%	Act%
105.00	100	100
120.00	30.50	25.95
119.00	1.70	0.00
0.00	0.00	0.00

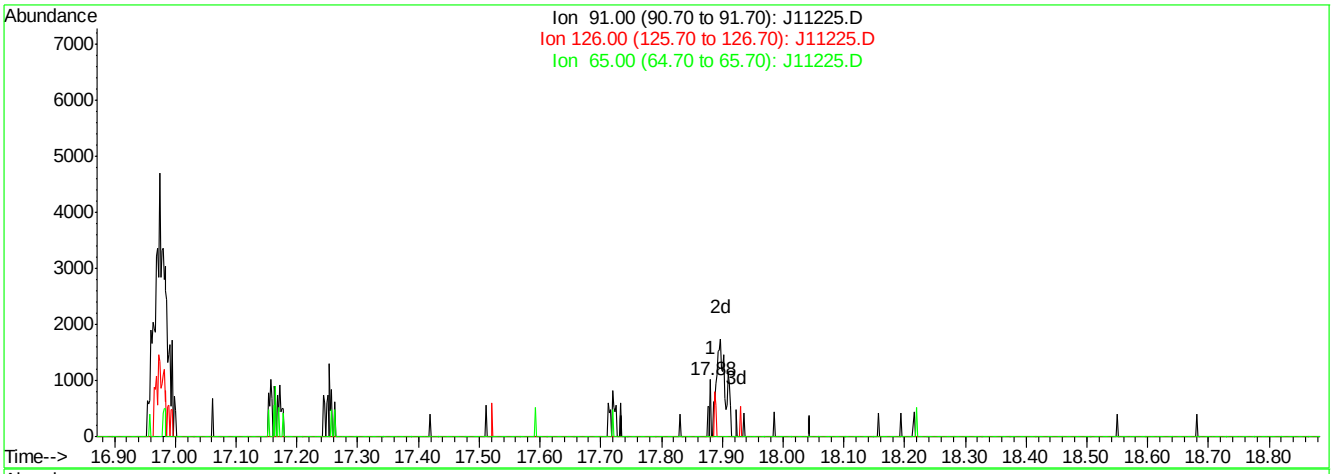
J11225.D J090607T.M Fri Sep 07 11:07:07 2007

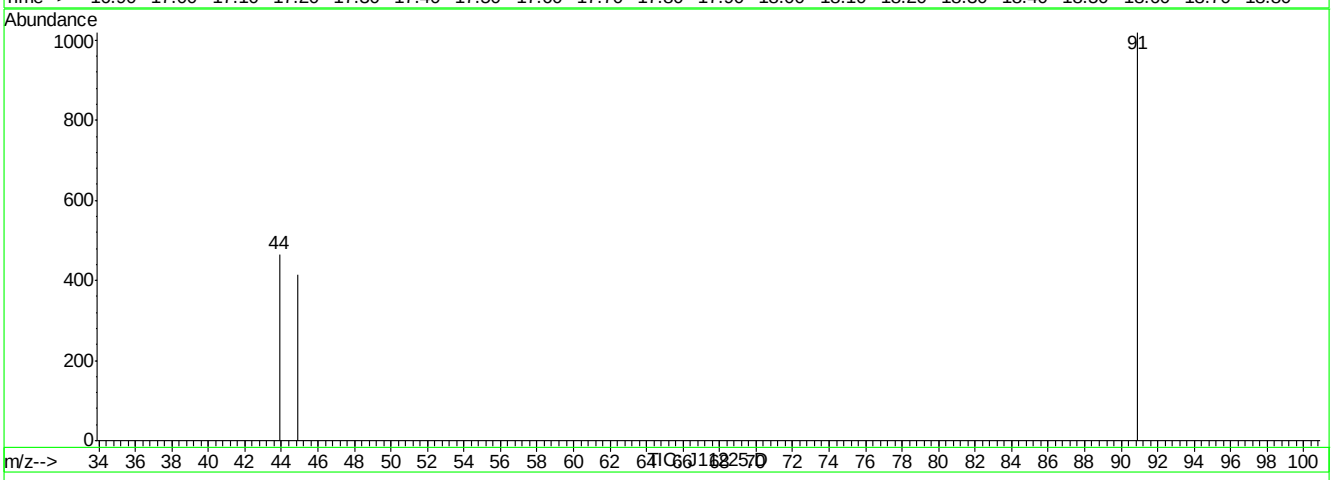
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11225.D Vial: 3
Acq On : 6 Sep 2007 9:05 pm Operator: PhilipB
Sample : IC589-.2 (M187) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 11:02:54 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:02:49 2007
Response via : Multiple Level Calibration





(69) BENZYL CHLORIDE (m)

17.88min 0.01PPBV

response 221

Ion	Exp%	Act%
91.00	100	100
126.00	20.40	65.16#
65.00	12.00	0.00
0.00	0.00	0.00

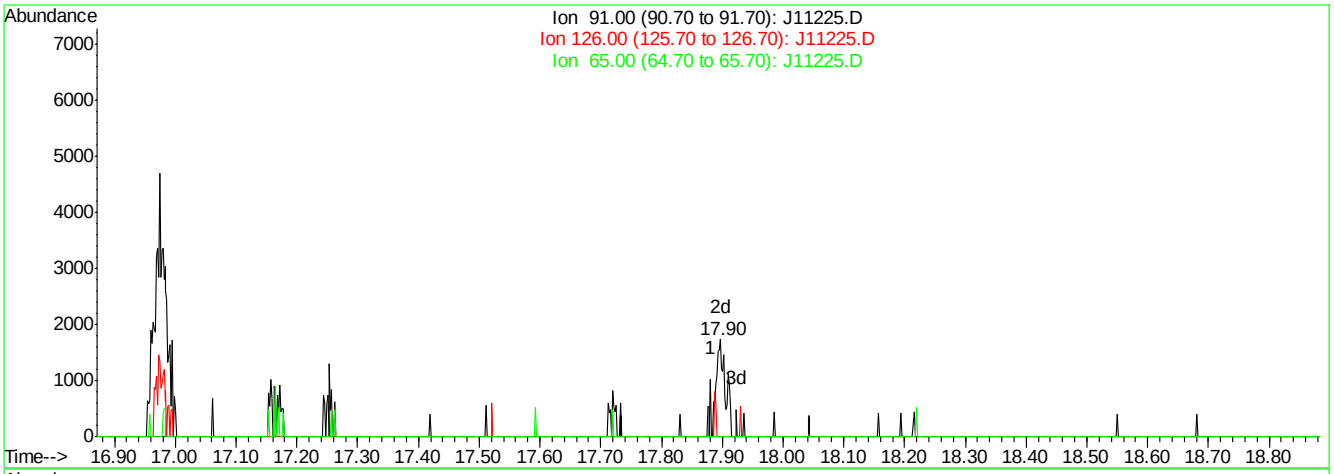
J11225.D J090607T.M Fri Sep 07 11:07:17 2007

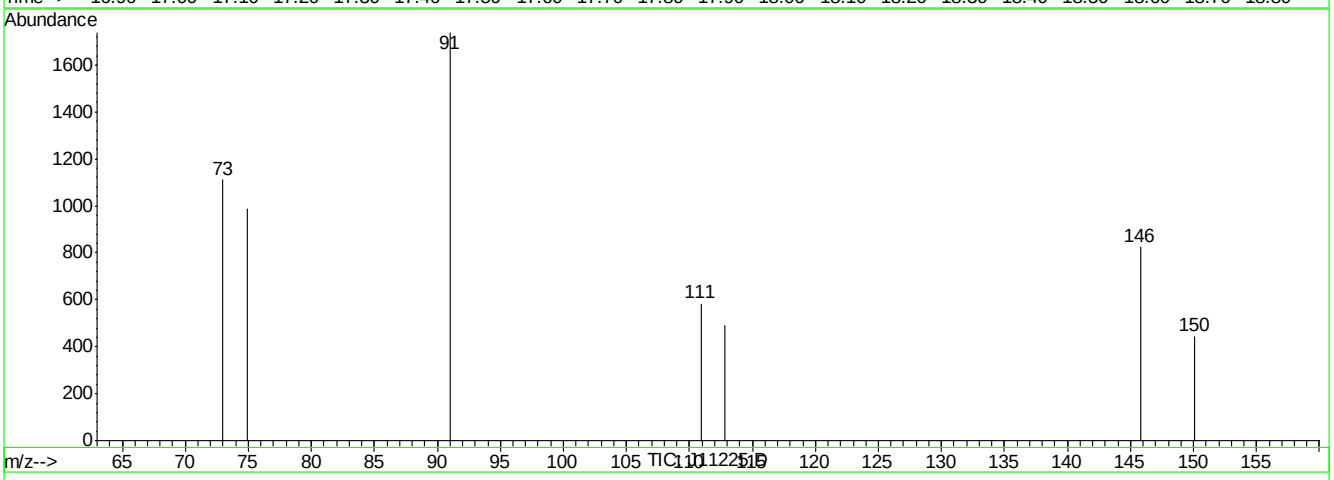
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11225.D Vial: 3
Acq On : 6 Sep 2007 9:05 pm Operator: PhilipB
Sample : IC589-.2 (M187) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 11:02:54 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:02:49 2007
Response via : Multiple Level Calibration





(69) BENZYL CHLORIDE (m)

17.90min 0.08PPBV m

response 2051

Ion	Exp%	Act%
91.00	100	100
126.00	20.40	7.02
65.00	12.00	0.00
0.00	0.00	0.00

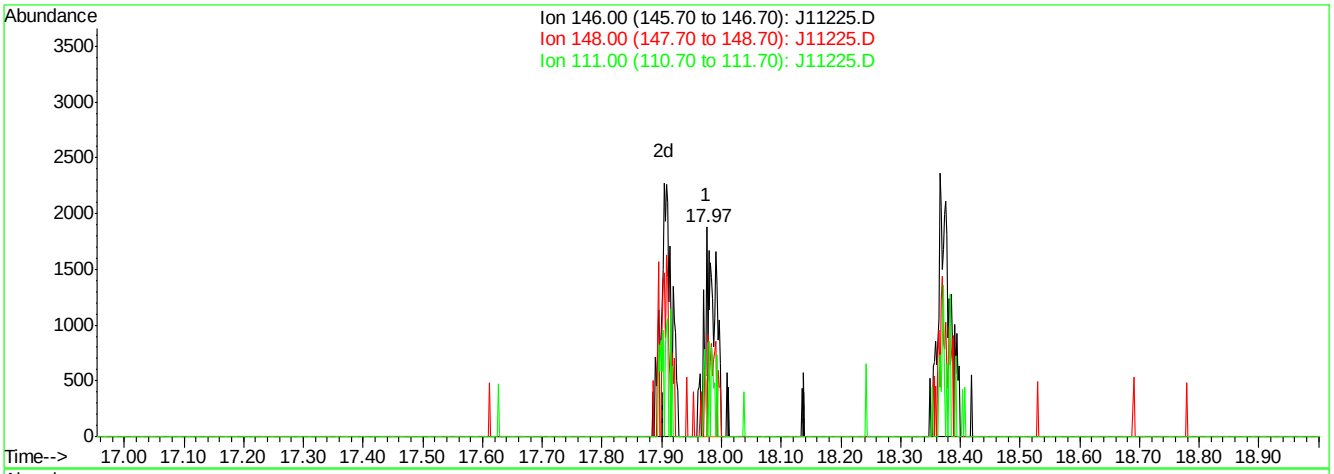
J11225.D J090607T.M Fri Sep 07 11:07:20 2007

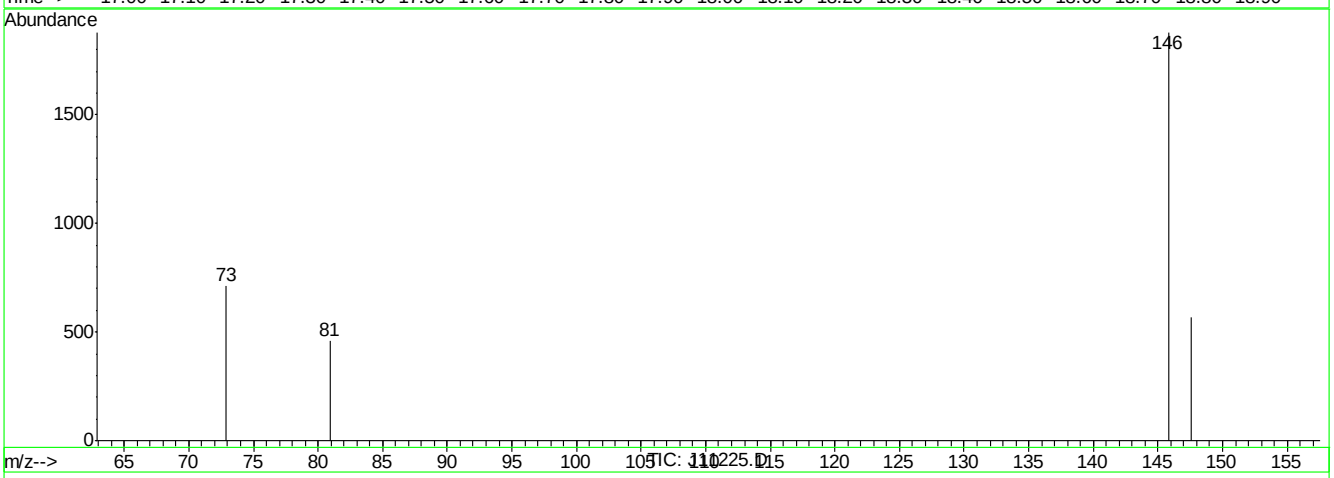
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11225.D Vial: 3
Acq On : 6 Sep 2007 9:05 pm Operator: PhilipB
Sample : IC589-.2 (M187) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 11:02:54 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:02:49 2007
Response via : Multiple Level Calibration





(70) p-DICHLOROBENZENE (m)

17.97min 0.10PPBV

response 2238

Ion	Exp%	Act%
146.00	100	100
148.00	64.00	44.06
111.00	35.50	8.27#
0.00	0.00	0.00

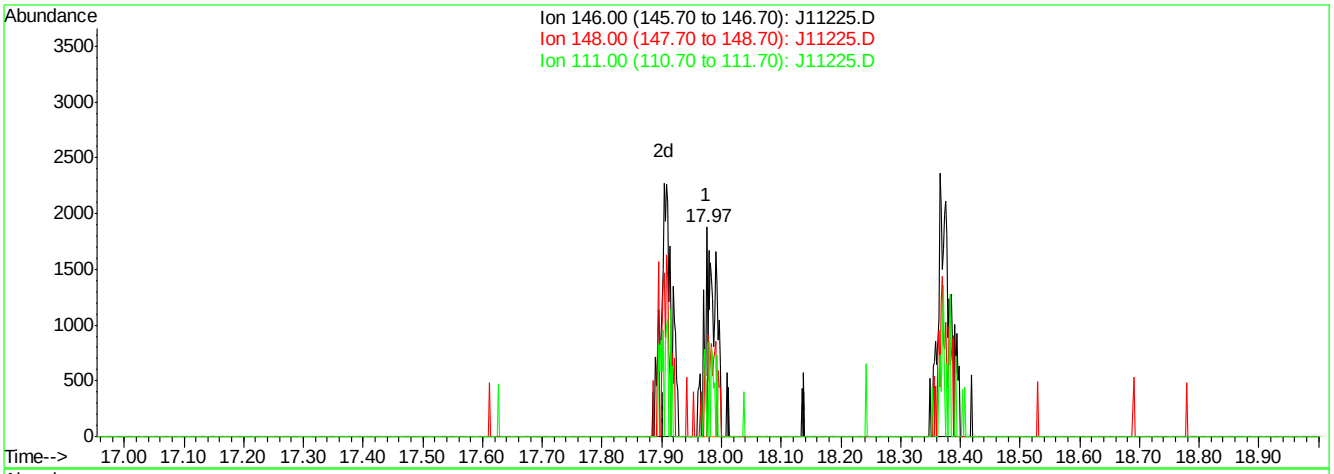
J11225.D J090607T.M Fri Sep 07 11:07:23 2007

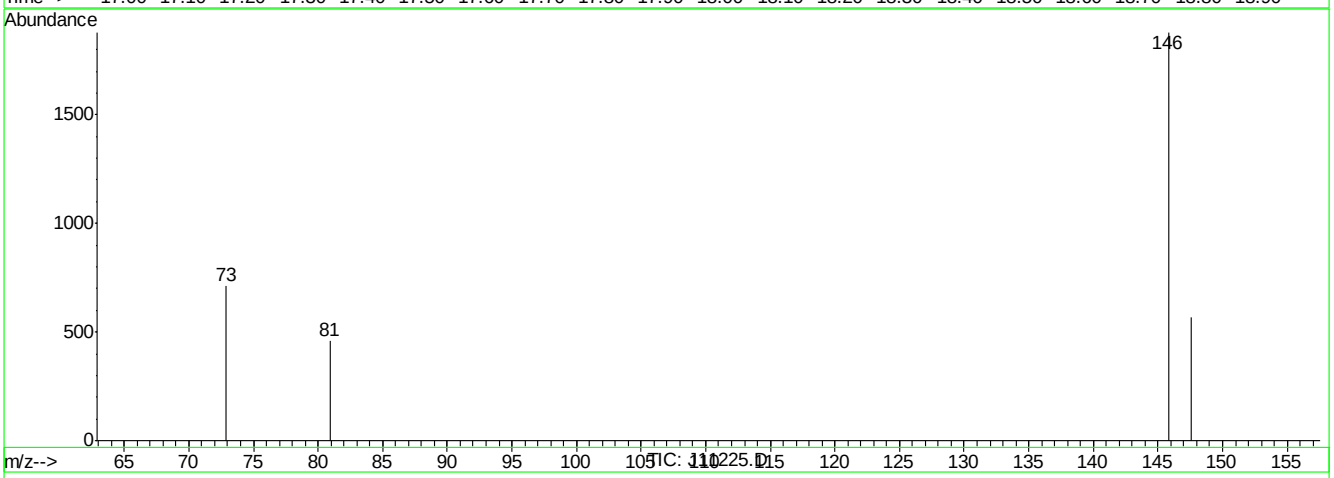
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11225.D Vial: 3
Acq On : 6 Sep 2007 9:05 pm Operator: PhilipB
Sample : IC589-.2 (M187) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 11:02:54 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:02:49 2007
Response via : Multiple Level Calibration





(70) p-DICHLOROBENZENE (m)

17.97min 0.10PPBV m

response 2346

Ion	Exp%	Act%
146.00	100	100
148.00	64.00	42.03#
111.00	35.50	7.89#
0.00	0.00	0.00

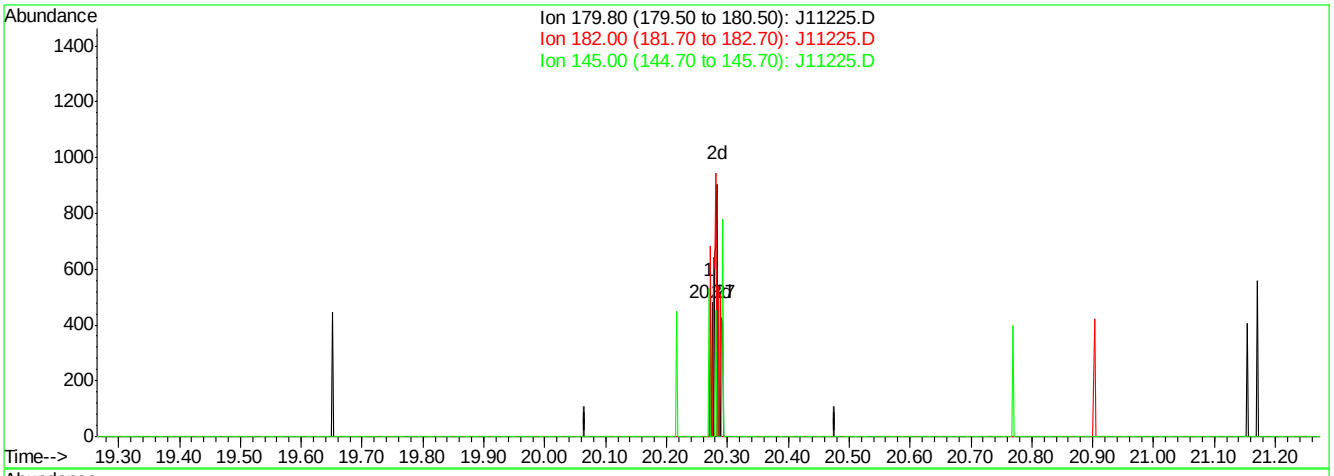
J11225.D J090607T.M Fri Sep 07 11:07:29 2007

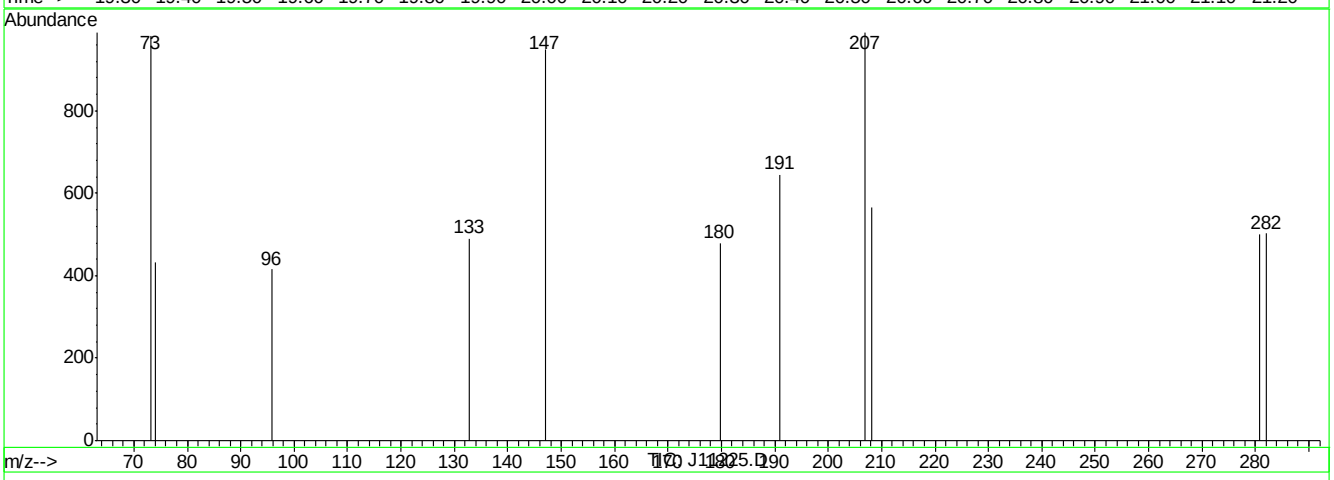
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11225.D Vial: 3
Acq On : 6 Sep 2007 9:05 pm Operator: PhilipB
Sample : IC589-.2 (M187) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 11:02:54 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:02:49 2007
Response via : Multiple Level Calibration





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

20.27min 0.01PPBV

response 51

Ion	Exp%	Act%
179.80	100	100
182.00	97.50	0.00#
145.00	27.70	0.00#
0.00	0.00	0.00

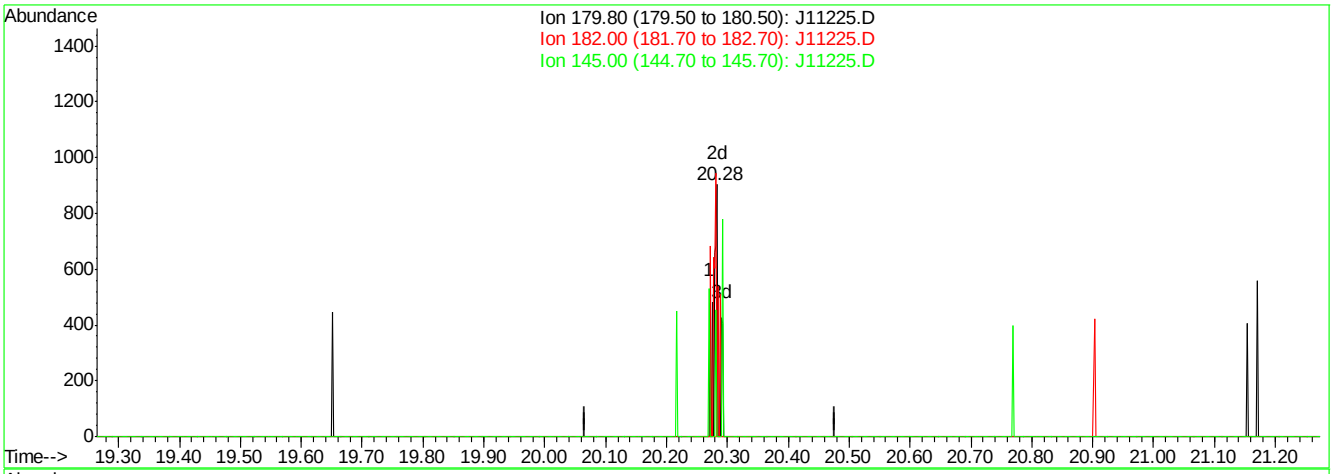
J11225.D J090607T.M Fri Sep 07 11:07:36 2007

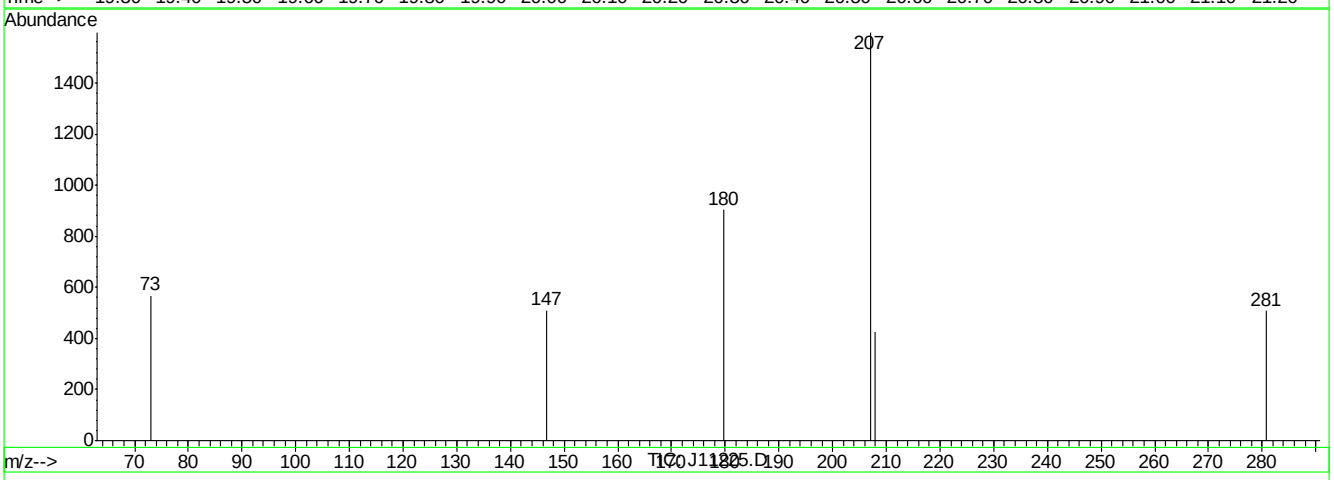
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11225.D Vial: 3
Acq On : 6 Sep 2007 9:05 pm Operator: PhilipB
Sample : IC589-.2 (M187) Inst : MSJ
Misc : MS14204, MSJ589,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 11:02:54 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:02:49 2007
Response via : Multiple Level Calibration





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

20.28min 0.06PPBV m

response 429

Ion	Exp%	Act%
179.80	100	100
182.00	97.50	0.00#
145.00	27.70	0.00#
0.00	0.00	0.00

J11225.D J090607T.M Fri Sep 07 11:07:39 2007

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
09/10/07 16:13

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J11226A.D
Acq On : 6 Sep 2007 9:51 pm
Operator : PhilipB
Sample : CC589-10 (M020)
Misc : MS14255, MSJ590,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 07 11:29:51 2007
Quant Method : C:\MSDCHEM\1\METHODS\J090607T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Sep 07 11:10:25 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.63	128	171856	10.00	PPBV	0.02
35) 1,4-DIFLUOROBENZENE	10.45	114	681136	10.00	PPBV	0.01
49) CHLOROBENZENE-D5	14.68	117	522689	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.30	95	156502	5.89	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 117.80%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.07	85	818837	10.44	PPBV	100
3) PROPYLENE	3.99	41	96524	8.60	PPBV	85
4) FREON 114	4.33	85	601404	9.65	PPBV	95
5) CHLOROMETHANE	4.23	50	123769	9.44	PPBV	83
6) VINYL CHLORIDE	4.45	62	157071	9.28	PPBV	97
7) 1,3-BUTADIENE	4.59	39	118932	9.44	PPBV	89
8) BROMOMETHANE	4.86	94	172501	9.13	PPBV	99
9) CHLOROETHANE	5.04	64	63912	9.16	PPBV	97
10) TRICHLOROFLUOROMETHANE	5.80	101	817975	10.15	PPBV	100
11) ISOPROPYL ALCOHOL	6.02	45	163047	8.32	PPBV	99
12) ACETONE	5.68	43	166409	8.20	PPBV	86
13) PENTANE	6.14	42	120652	8.97	PPBV #	82
14) 1,1-DICHLOROETHYLENE	6.42	96	156216	8.73	PPBV #	76
15) CARBON DISULFIDE	6.85	76	468269	9.36	PPBV	94
16) ETHANOL	5.26	45	30732m	8.30	PPBV	
17) BROMOETHENE	5.38	106	164334	8.86	PPBV #	96
18) METHYLENE CHLORIDE	6.55	84	128187	7.90	PPBV	99
19) 3-CHLOROPROPENE	6.66	39	177762	11.03	PPBV #	80
20) FREON 113	6.79	151	306539	8.80	PPBV	86
21) TRANS-1,2-DICHLOROETHYLENE	7.46	96	149175	9.28	PPBV	90
22) TERTIARY BUTYL ALCOHOL	6.60	59	253002	9.13	PPBV	81
23) METHYL TERTIARY BUTYL ETHE	7.75	73	359802	9.12	PPBV	95
24) TETRAHYDROFURAN	9.20	42	77440	8.72	PPBV	98
25) HEXANE	8.64	57	158727	7.64	PPBV	89
26) VINYL ACETATE	7.81	43	205813	8.10	PPBV	99
27) 1,1-DICHLOROETHANE	7.66	63	271379	9.61	PPBV	98
28) METHYL ETHYL KETONE	8.10	43	174864	9.02	PPBV	98
29) cis-1,2-DICHLOROETHYLENE	8.46	96	140818	9.40	PPBV	88
30) ETHYL ACETATE	8.71	43	167622	8.31	PPBV	99
31) CHLOROFORM	8.75	83	417488	9.92	PPBV	100
32) 1,1,1-TRICHLOROETHANE	9.69	97	502114	9.98	PPBV	98
33) CARBON TETRACHLORIDE	10.26	117	571188	9.93	PPBV	99
34) 1,2-DICHLOROETHANE	9.46	62	254253	10.05	PPBV	97
36) BENZENE	10.13	78	305788	9.20	PPBV	99
37) CYCLOHEXANE	10.37	84	158871	8.99	PPBV	91
38) TRICHLOROETHYLENE	11.12	95	172640	9.62	PPBV	87
39) 1,2-DICHLOROPROPANE	10.91	63	93959	9.30	PPBV #	73
40) BROMODICHLOROMETHANE	11.10	83	366648	10.00	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.13	57	492262	9.55	PPBV	95
42) 1,4-DIOXANE	11.20	88	49463	7.93	PPBV	93
43) HEPTANE	11.36	43	159909	9.27	PPBV	95

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J11226A.D
Acq On : 6 Sep 2007 9:51 pm
Operator : PhilipB
Sample : CC589-10 (M020)
Misc : MS14255, MSJ590,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 07 11:29:51 2007
Quant Method : C:\MSDCHEM\1\METHODS\J090607T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Sep 07 11:10:25 2007
Response via : Initial Calibration

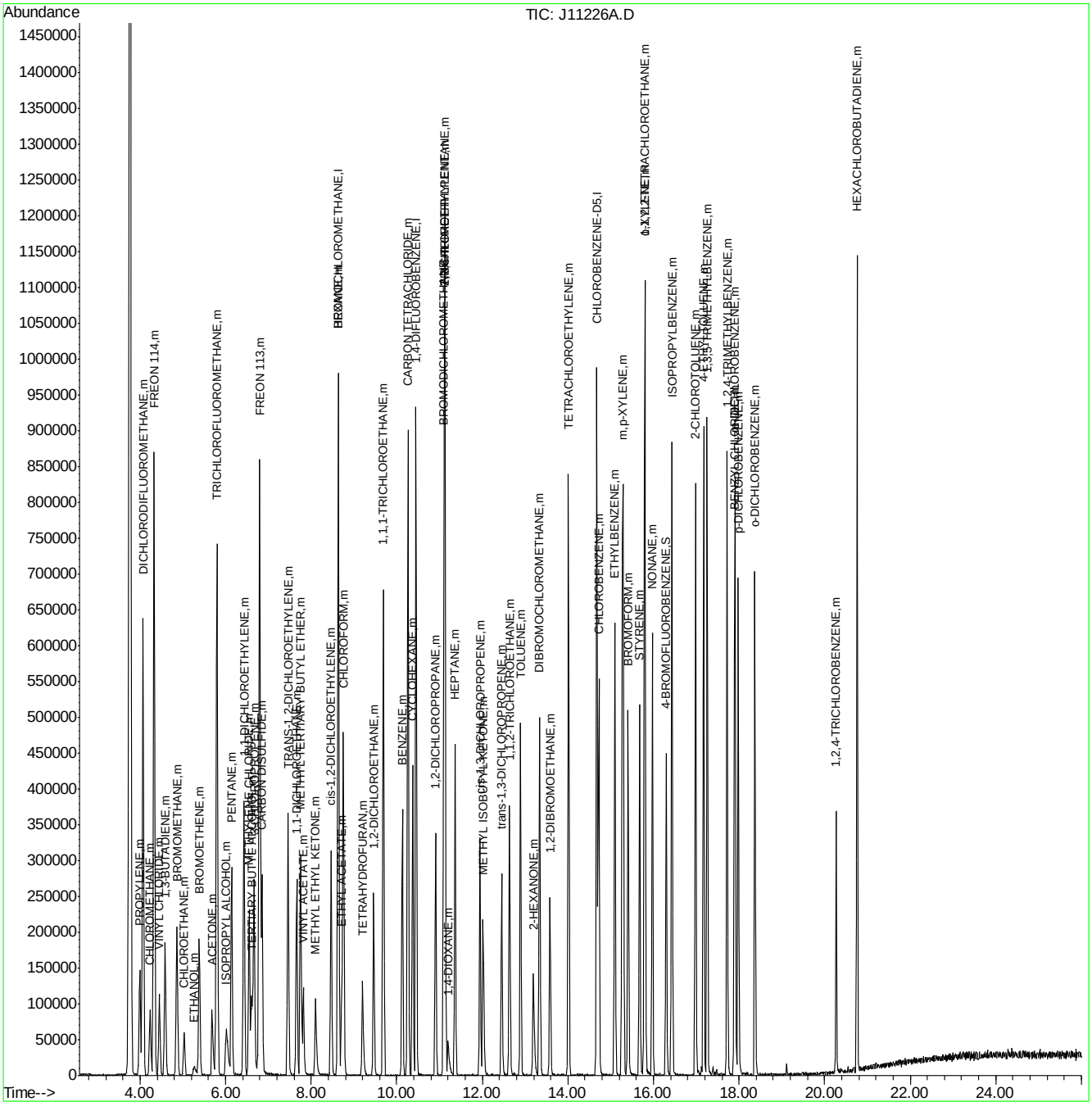
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.01	43	182854	9.26	PPBV	96
45) cis-1,3-DICHLOROPROPENE	11.94	75	166911	9.66	PPBV	91
46) TOLUENE	12.89	92	200266	7.50	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.45	75	179014	11.68	PPBV	100
48) 1,1,2-TRICHLOROETHANE	12.64	83	101862	9.41	PPBV	98
50) 2-HEXANONE	13.18	43	149606	7.89	PPBV	91
51) TETRACHLOROETHYLENE	14.01	164	156991	8.35	PPBV	86
52) DIBROMOCHLOROMETHANE	13.34	129	305009	9.59	PPBV	98
53) 1,2-DIBROMOETHANE	13.58	107	192716	9.53	PPBV	98
54) CHLOROBENZENE	14.72	112	272218	9.14	PPBV	92
55) ETHYLBENZENE	15.10	91	478774	9.14	PPBV	94
56) m,p-XYLENE	15.28	106	360996	18.85	PPBV #	77
57) o-XYLENE	15.79	106	193502	9.74	PPBV #	83
58) STYRENE	15.68	104	236393	9.95	PPBV	91
59) NONANE	15.97	43	203953	10.04	PPBV	96
60) BROMOFORM	15.41	173	246591	9.82	PPBV	96
62) 1,1,2,2-TETRACHLOROETHANE	15.80	83	250031	9.76	PPBV	97
63) ISOPROPYLBENZENE	16.43	105	613603	10.17	PPBV	95
64) 2-CHLOROTOLUENE	16.98	91	441610	10.07	PPBV	94
65) 4-ETHYLTOLUENE	17.17	105	528615	9.77	PPBV	97
66) 1,3,5-TRIMETHYLBENZENE	17.25	105	483161	9.90	PPBV	92
67) 1,2,4-TRIMETHYLBENZENE	17.72	105	452725	10.15	PPBV	92
68) m-DICHLOROBENZENE	17.91	146	266306	8.61	PPBV	97
69) BENZYL CHLORIDE	17.89	91	285783	8.10	PPBV	96
70) p-DICHLOROBENZENE	17.98	146	253380	10.44	PPBV	96
71) o-DICHLOROBENZENE	18.37	146	246458	10.54	PPBV	95
72) HEXACHLOROBUTADIENE	20.76	225	160646	9.39	PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.27	180	82182	7.89	PPBV	95

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J11226A.D
Acq On : 6 Sep 2007 9:51 pm
Operator : PhilipB
Sample : CC589-10 (M020)
Misc : MS14255, MSJ590,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 07 11:29:51 2007
Quant Method : C:\MSDCHEM\1\METHODS\J090607T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Sep 07 11:10:25 2007
Response via : Initial Calibration

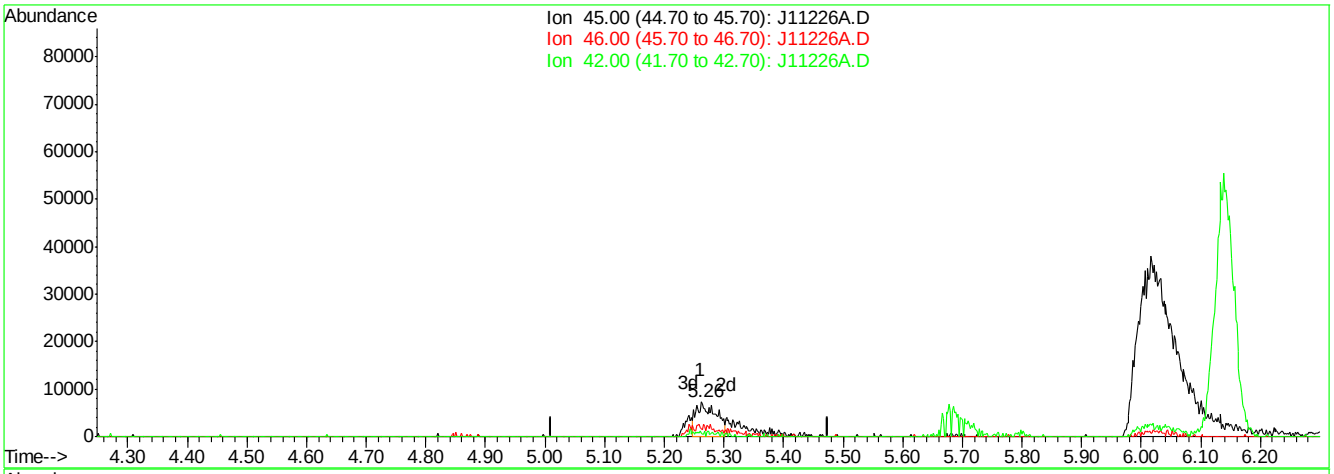


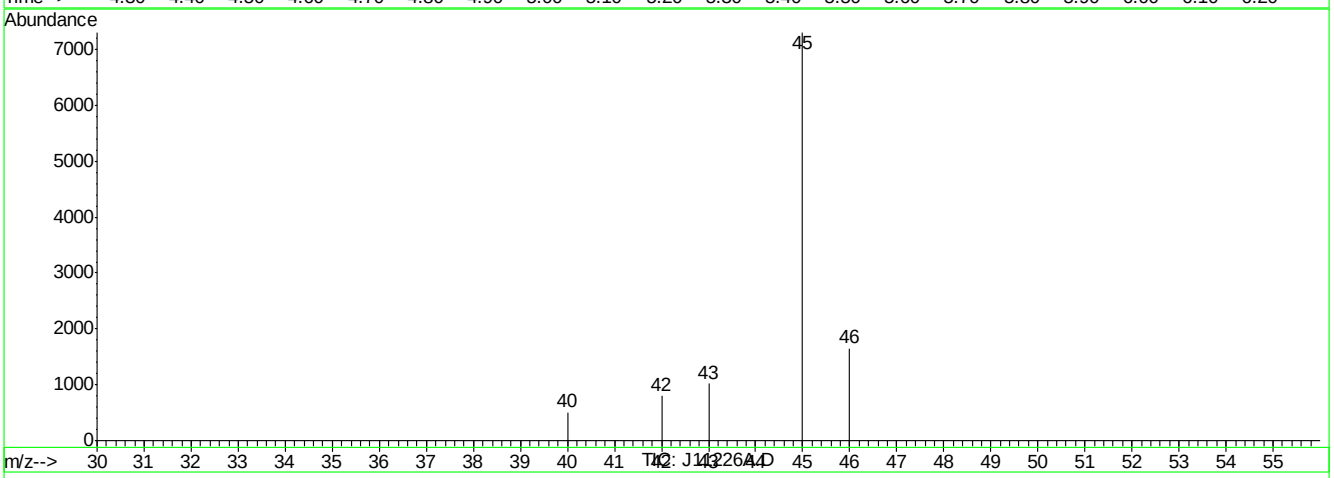
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11226A.D Vial: 4
Acq On : 6 Sep 2007 9:51 pm Operator: PhilipB
Sample : CC589-10 (M020) Inst : MSJ
Misc : MS14255, MSJ590,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 11:29:32 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:10:25 2007
Response via : Multiple Level Calibration





(16) ETHANOL (m)

5.26min 4.35PPBV

response 16102

Ion	Exp%	Act%
45.00	100	100
46.00	34.00	31.93
42.00	9.40	4.96
0.00	0.00	0.00

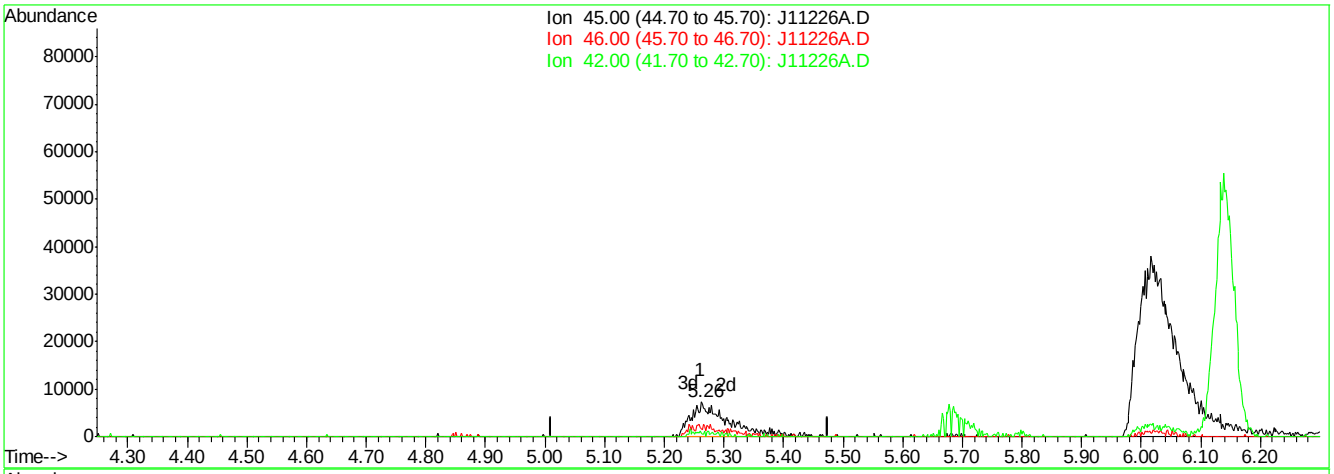
J11226A.D J090607T.M Fri Sep 07 11:29:43 2007

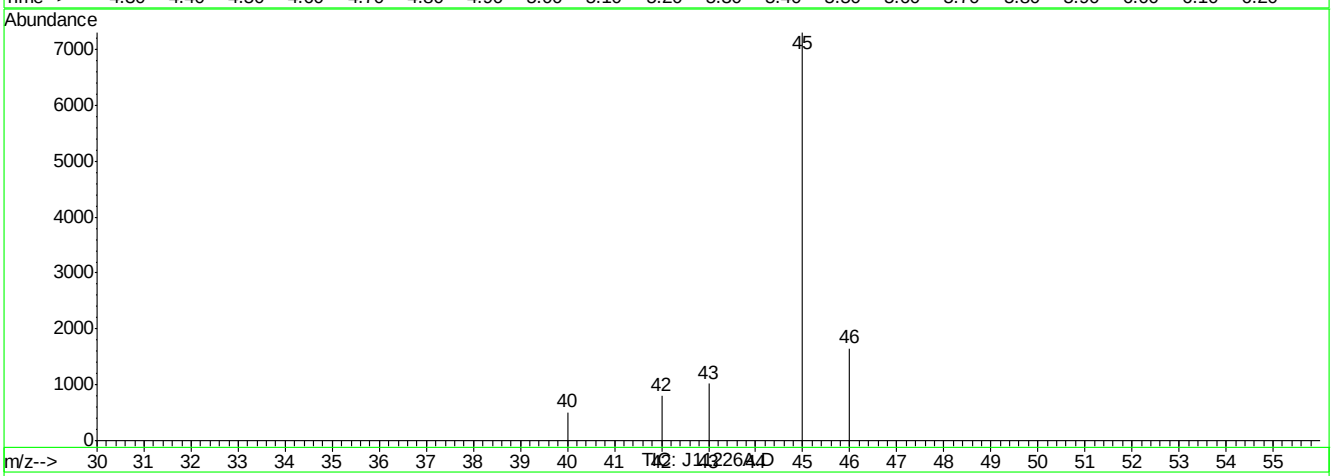
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J11226A.D Vial: 4
Acq On : 6 Sep 2007 9:51 pm Operator: PhilipB
Sample : CC589-10 (M020) Inst : MSJ
Misc : MS14255, MSJ590,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Sep 07 11:29:32 2007 Results File: J090607T.RES

Method : C:\MSDCHEM\1\METHODS\J090607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Sep 07 11:10:25 2007
Response via : Multiple Level Calibration





(16) ETHANOL (m)

5.26min 8.30PPBV m

response 30732

Ion	Exp%	Act%
45.00	100	100
46.00	34.00	16.73
42.00	9.40	2.60
0.00	0.00	0.00

J11226A.D J090607T.M Fri Sep 07 11:29:47 2007

Standard Lot #	
Calib STD 1	MSA362
Calib STD 2	MSA363,MSA357
ICV	MSA361,MSA366
Inter/Surr STD	MSA218
BS/BSD	MSA366

File ID	
Tune File 1	J10755
Tune File 2	J10768A
Initial Cal.	6/25/07
ID FILE	J062507T.M
Instrument ID	J
ICAL:	J10768
Column Type:	RTX-1
Sequence Verified By:	DT 6/26/07

Date:	6/25/2007
Analyst:	DANAT
Batch ID:	msj557
Matrix:	AIR
Approved By:	PHILIPB
Date Approved:	6/27/2007 2:47:28 PM

Data File	Sample ID	Bot #	Work Group #	Test	ALS #	Sample Vol (mls)	Diln Factor	Flow controller ID	Comment
J10755	CC552-10	m045	MSA361	VTO15STD	1		1	NA	
J10756	CC552-10	m045	MSA361	VTO15STD	1		1	NA	
J10757	IC557-0.5	m141	MSA363	VTO15STD	2		1	NA	
J10758	IC557-0.2	m141	MSA363	VTO15STD	2		1	NA	
J10759	IC557-2	m141	MSA363	VTO15STD	2		1	NA	Re-run , vinyl acetate missing
J10760	IC557-40	m172	MSA362	VTO15STD	3		1	NA	
J10761	IC557-20	m172	MSA362	VTO15STD	3		1	NA	
J10762	ICC557-10	m172	MSA362	VTO15STD	3		1	NA	
J10763	IC557-5	m172	MSA362	VTO15STD	3		1	NA	
J10764	IC557-2	m141	MSA363	VTO15STD	2		1	NA	Re-run using different standard, vinyl acetate missing.
J10765	IC557-2	m140	MSA357	VTO15STD	2		1	NA	ok
J10766	ICV557-10	m045	MSA361	VTO15STD	1		1	NA	Fails, re-run using different standard. STD Ddegraded
J10767	ICV557-10	m080	MSA366	VTO15STD	1		1	NA	Fails high , re-run
J10768	ICV557-10	m080	MSA366	VTO15STD	1		1	NA	ok
J10768a	CC557-10	m080	MSA366	VTO15STD	1		1	NA	
J10768b	BS	m080	MSA366	VTO15STD	1		1	NA	
J10769	MB	m050	NA	VTO15STD	5		1	NA	
J10770	SCC	m078	NA	VTO15STD	7		1	NA	
J10771	SCC	m094	NA	VTO15STD	9		1	NA	
J10772	SCC	m040	NA	VTO15STD	11		1	NA	
J10773	M65503-1	m132	MS13762	VTO15STD	2		1200	MC119	Re-run @ 6,000x , over calibration.
J10774	M65503-2	m160	MS13762	VTO15STD	3		1200	MC102	Re-run @ 20x , too dilute.
J10775	M65503-1	m132	MS13762	VTO15STD	2		6000	MC119	
J10776	M65503-2	m092	MS13762	VTO15STD	3		20	MC102	
J10777	M65503-1DUP	m132	MS13762	VTO15STD	2		1200	MS119	
J10778	M65530-1	m162	MS13762	VTO15STD	1		1	NA	
J10779	FCB082	m199	NA	VTO15STD	4		1	MC082	
J10780	FCB083	m199	NA	VTO15STD	5		1	MC061	
J10781	FCB084	m201	NA	VTO15STD	6		1	MC001	
J10782	FCB085	m184	NA	VTO15STD	7		1	MC084	
J10783	FCB086	m205	NA	VTO15STD	8		1	MC032	
J10784	SCC	m072	NA	VTO15STD	9		1	NA	
J10785	SCC	m065	NA	VTO15STD	10		1	NA	

J10786	SCC	m019	NA	VTO15STD	11		1	NA	
J10787	M65793-1	m159	MS13828	VTO15STD	12		1	MC112	
J10788	M65794-1	m024	MS13828	VTO15STD	13		1	MC117	Re-run@ 20x , over calibration.
J10789	M65795-1	m165	MS13828	VTO15STD	14		1	MC106	Do not report, possible carry over
J10790	SCC	m188	NA	VTO15STD	4		1	NA	
J10791	M65794-1	m024	MS13828	VTO15STD	13		20	MC117	
J10792	M65795-1	m165	MS13828	VTO15STD	14		1	MC106	

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

File ID	
Tune File 1	J10841
Tune File 2	NA
Initial Cal.	6/25/07
ID FILE	J062507T.M
Instrument ID	J
ICAL:	
Column Type:	RTX-1
Sequence Verified By:	DT 7/5/07

Date:	7/3/2007
Analyst:	DANAT
Batch ID:	msj561
Matrix:	AIR
Approved By:	DOUGY
Date Approved:	7/10/2007 12:26:49 PM

Data File	Sample ID	Bot #	Work Group #	Test	ALS #	Sample Vol (mls)	Diln Factor	Flow controller ID	Comment
J10840	CC557-10	m080	MSA366		1		1		Fails high , re-run.
J10841	CC557-10	m080	MSA366		1		1		Fails high again, ok for cert blanks.
J10841a	BS	m080	MSA366		1		1		
J10842	BLANK	m132			2		1		
J10843	MB	m132			2		1		
J10844	SCC	m129			3		1		
J10845	SCC	m058			4		1		
J10846	M65942-2	m111	MS13857	VTO15STD	5		1		Report BTXM and ethanol only.
J10847	M65942-2DUP	m111			5		1		
J10848	SCC	m001			6		1		
J10849	SCC	m159			7		1		
J10850	SCC	m165			8		1		
J10851	SCC	m221			9		1		
J10852	SCC	m024			10		1		
J10853	SCC	m092			11		1		
J10854	SCC	m155			12		1		
J10855	SCC	m163			13		1		
J10856	SCC	m212			14		1		
J10857	SCC	m216			15		1		
J10858	SCC	m215			16		1		

Accutest Laboratories of New England, Inc.

MS Analysis Log

Instrument: GCMS J

BATCH DATA	
DATE	9-6-07
BATCH ID	MSJ589
ANALYST	AB

ALS DATA	
METHOD	TO-15
NAMELIST	N1
QC FILE	N1

GC/MS DATA	
METHOD	J090607T.M
SEQ	J090705
ICAL	9-5-07

STANDARD DATA		
LOT#	DESCRIPTION	CONC
MSA 390	BLSS STD	40/20 PPB
MSA 403	TO-15 STD	40 PPBV
MSA 404	TO-15 SPK	40 PPBV
MSA 405	TO-15 STD	20 PPBV
MSA 344	NP STD	40 PPB

Sequence Verified: AB 9.7.07

DATA FILE	SAMPLE ID	CANISTER SERIAL #	TEST	WORK GROUP	ALS	VOL SAMPLE	DIL FACT.	COMMENTS
J11214	40PPBV NP	M142	TO-15	MSA 344	1	40	1	CONDITIONING RUN
15								
16								
17	IC589-4	M142						O.K. : BFB
18	-40	M065		MSA 403	2	400		O.K.
19	-20					200		N_2 depleted: re-run
20	-10					100		O.K.
21	-20					200		
22	-5					50		
23	-2					20		
24	-5	M187		MSA 405	3	100		
25	-2				3	40		
26	ICV589-10	M010		MSA 404	4	100		

AB 9-7-07

QA Review: AB 9/11/07

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ACCUTEST Laboratories M67493

Accutest Laboratories of New England, Inc.

MS Analysis Log

Instrument: GCMS J

BATCH DATA	
DATE	9-7-07
BATCH ID	MSJ 590
ANALYST	PB

ALS DATA	
METHOD	TO-15
NAMELIST	N1
QC FILE	N1

GC/MS DATA	
METHOD	TO9607T.M
SEQ	TO90707.S
ICAL	9-6-07

STANDARD DATA		
LOT#	DESCRIPTION	CONC
MSA 340	15/55 STD	4/20PPB
MSA 404	TO15 SPK	40PPB
~~MSA~~ PB 9-10-07		

Sequence Verified: PB 9-10-07

DATA FILE	SAMPLE ID	CANISTER SERIAL #	TEST	WORK GROUP	ALS	VOL SAMPLE	DIL FACT.	COMMENTS
J11226A	CC589-10	M020	TO-15	MSA404	4	100	1	O.K. : BFB
26B	BS	M020		MS19255	4	100		O.K.
27	MB	M035			5	400		
28	M67493-1	M221			6			
29	·2	M132			7			
30	·2dup	M132			7			
31	M67444-4	M167			8			
32	·3	M106			9			ISTD High re-run
33	·5	M096			10			ISTD High re-run
34	FCB 113	M183			11			O.K.
35	FCB 113	M190			12			O.K.
36	FCB 113	M200			13			O.K.
37	M67414-3	M106			9			O.K.
38	·5	M096			10			

PB 9-10-07

QA Review: [illegible] 9/11/07

MS004.03 (3/7/06)

ACCUTEST Laboratories M67493