New England ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

08/30/07

Technical Report for

GEI Consultants, Inc.

GEI Tufts Street Somerville MA

045162

Accutest Job Number: M66993

Sampling Date: 08/13/07

Report to:

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

ATTN: Raymond Siegener, Ph.D.

Total number of pages in report: **353**

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: M66993

GEI Tufts Street Somerville MA
Project No: 045162

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
M66993-1	08/13/07	17:48	SLS	08/14/07	AIR	Air	045162-162GLEN-1
M66993-2	08/13/07	17:45	SLS	08/14/07	AIR	Air	045162-162GLEN-B

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	GEI Consultants, Inc.	**Job No**	M66993
Site:	GEI Tufts Street Somerville MA	**Report Date**	8/29/2007 4:12:24 PM

2 Sample(s) were collected on 08/13/2007 and were received at Accutest on 08/14/2007. These Samples received an Accutest job number of M66993. 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:**	MSQ231

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) M66993-1DUP were used as the QC samples indicated.

The Accutest Laboratories of New England certifies that all analysis were performed within method specification. It is further recommended that this report to be used in its entirety.The Accutest Laboratories of NE, Laboratory Director or assignee as verified by the signature on the cover page has authorized the release of this report(M66993).

Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Client Sample ID:	045162-162GLEN-1		
Lab Sample ID:	M66993-1	**Date Sampled:**	08/13/07
Matrix:	AIR - Air Summa ID: M145	**Date Received:**	08/14/07
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	Q4380.D	1	08/23/07	DFT	n/a	n/a	MSQ231
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units
75-00-3	64.52	Chloroethane	ND	0.20	ppbv		ND	0.53	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.10	0.20	ppbv	J	0.63	1.3	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
107-06-2	98.96	1,2-Dichloroethane	0.16	0.20	ppbv	J	0.65	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	0.097	0.20	ppbv	J	0.53	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.41	0.20	ppbv		2.8	1.4	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.20	ppbv		ND	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	ppbv		ND	0.51	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	91%		57-139%

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

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	045162-162GLEN-B		
Lab Sample ID:	M66993-2	**Date Sampled:**	08/13/07
Matrix:	AIR - Air Summa ID: M081	**Date Received:**	08/14/07
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	Q4382.D	1	08/23/07	DFT	n/a	n/a	MSQ231
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units
75-00-3	64.52	Chloroethane	ND	0.20	ppbv		ND	0.53	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.11	0.20	ppbv	J	0.69	1.3	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
107-06-2	98.96	1,2-Dichloroethane	0.61	0.20	ppbv		2.5	0.81	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.54	0.20	ppbv		3.7	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	93%		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

FED-EX Tracking #:
Bottle Order Control #:
Lab Quote #:
Lab Job #: M66993

PAGE ___ OF ___

Client / Reporting Information

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

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

Weather Parameters

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

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	045162-162Glen-1	I	M145	6L	MFC018	8/13/07	1348	29	75	SLS	8/13/07	1748	5	77	SLS
-2	045162-162Glen-B	I	M081	6L	MC027	8/13/07	1345	29	78	SLS	8/13/07	1749	5	78	SLS

Turnaround Time / Business days

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

Approved By:
Date:

Data Deliverable Information

Comm A:
Comm B:
Full T1:
Other:

Comments / Remarks

Please see attached list of analytes.

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

Relinquished by Laboratory:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1		1	2 GEI Lab	8/13/07 1300	2 Samantha Slater
3 Samantha Slater	8/14/07 0830	3 GEI Lab	4 Tony Bergen / GEI Lab	8/14/07 1505	4 William Overholt
5 William Overholt	8/14/07 4:10pm	5 William Overholt	Custody Seal #		

SM013-01 (07/14/06)

M66993: Chain of Custody
Page 1 of 2

Indoor Air Sampling Analyte List

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

Summa Canister and Flow Controller Log

Job Number: M66993
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA
Received: 08/14/07

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
M145	6	29.4	07/18/07	DFT	CP443	J10908.D	M66993-1	08/23/07	DFT	5			1
M081	6	29.4	07/18/07	DFT	CP446	Q3996.D	M66993-2	08/23/07	DFT	4.8			1

FLOW CONTROLLERS

Shipping					Receiving		
Flow Crtl ID	Date Out	By	cc/ min	Time hrs.	Date In	By	cc/ min
MC018	06/26/07	PB	20	4	08/21/07	DFT	21
MC027	06/26/07	PB	20	4	08/21/07	DFT	21

Accutest Bottle Order(s):
GEI/7-18-07/TUFTS ST
PB/6-26-07/GEI/TUFTS ST.

Prep Date	Room Temp(F)	Bar Pres "Hg
07/18/07	70	29.92

Internal Sample Tracking Chronicle

GEI Consultants, Inc.

Job No: M66993

GEI Tufts Street Somerville MA
Project No: 045162

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
M66993-1	Collected: 13-AUG-07 17:48	By: SLS	Received: 14-AUG-07	By: RS		
045162-162GLEN-1						
M66993-1	TO-15	23-AUG-07 19:21	DFT			VTO15STD
M66993-2	Collected: 13-AUG-07 17:45	By: SLS	Received: 14-AUG-07	By: RS		
045162-162GLEN-B						
M66993-2	TO-15	23-AUG-07 20:48	DFT			VTO15STD

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

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

Method Blank Summary

Job Number: M66993
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSQ231-MB	Q4377.D	1	08/23/07	DFT	n/a	n/a	MSQ231

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

M66993-1, M66993-2

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	83%	57-139%

Method Blank Summary

Job Number: M66993
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

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

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

MSJ562-SCC

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

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	90%	57-139%

Method Blank Summary

Job Number: M66993
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSQ214-MB	Q3986.D	1	07/17/07	DFT	n/a	n/a	MSQ214

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

MSQ214-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	91%	57-139%

Blank Spike Summary

Job Number: M66993
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSQ231-BS	Q4375B.D	1	08/23/07	DFT	n/a	n/a	MSQ231

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

M66993-1, M66993-2

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	Limits
75-00-3	Chloroethane	10	12.3	123	70-130
56-23-5	Carbon tetrachloride	10	12.3	123	70-130
75-34-3	1,1-Dichloroethane	10	12.6	126	70-130
75-35-4	1,1-Dichloroethylene	10	11.0	110	70-130
107-06-2	1,2-Dichloroethane	10	12.2	122	70-130
156-60-5	trans-1,2-Dichloroethylene	10	11.3	113	70-130
156-59-2	cis-1,2-Dichloroethylene	10	11.2	112	70-130
71-55-6	1,1,1-Trichloroethane	10	12.2	122	70-130
79-34-5	1,1,2,2-Tetrachloroethane	10	11.9	119	70-130
79-00-5	1,1,2-Trichloroethane	10	10.9	109	70-130
127-18-4	Tetrachloroethylene	10	11.0	110	70-130
79-01-6	Trichloroethylene	10	11.3	113	70-130
75-01-4	Vinyl chloride	10	12.3	123	70-130

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

Blank Spike Summary

Job Number: M66993
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

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

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

MSJ562-SCC

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

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

Blank Spike Summary

Job Number: M66993
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSQ214-BS	Q3984B.D	1	07/17/07	DFT	n/a	n/a	MSQ214

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

MSQ214-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	Limits
75-00-3	Chloroethane	10	11.4	114	70-130
56-23-5	Carbon tetrachloride	10	11.2	112	70-130
75-34-3	1,1-Dichloroethane	10	10.7	107	70-130
75-35-4	1,1-Dichloroethylene	10	10.5	105	70-130
107-06-2	1,2-Dichloroethane	10	10.2	102	70-130
156-60-5	trans-1,2-Dichloroethylene	10	10.7	107	70-130
156-59-2	cis-1,2-Dichloroethylene	10	10.2	102	70-130
71-55-6	1,1,1-Trichloroethane	10	10.6	106	70-130
79-34-5	1,1,2,2-Tetrachloroethane	10	9.7	97	70-130
79-00-5	1,1,2-Trichloroethane	10	9.2	92	70-130
127-18-4	Tetrachloroethylene	10	9.9	99	70-130
79-01-6	Trichloroethylene	10	10.1	101	70-130
75-01-4	Vinyl chloride	10	10.6	106	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	108%	57-139%

Duplicate Summary

Job Number: M66993
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
M66993-1DUP	Q4381.D	1	08/23/07	DFT	n/a	n/a	MSQ231
M66993-1	Q4380.D	1	08/23/07	DFT	n/a	n/a	MSQ231

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

M66993-1, M66993-2

CAS No.	Compound	M66993-1 ppbv	Q	DUP ppbv	Q	RPD	Limits
75-00-3	Chloroethane	ND		ND		nc	25
56-23-5	Carbon tetrachloride	0.10	J	0.11	J	10	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	0.16	J	0.18	J	12	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	0.097	J	0.095	J	2	25
79-34-5	1,1,2,2-Tetrachloroethane	ND		ND		nc	25
79-00-5	1,1,2-Trichloroethane	ND		ND		nc	25
127-18-4	Tetrachloroethylene	0.41		0.42		2	25
79-01-6	Trichloroethylene	ND		ND		nc	25
75-01-4	Vinyl chloride	ND		ND		nc	25

CAS No.	Surrogate Recoveries	DUP	M66993-1	Limits
460-00-4	4-Bromofluorobenzene	92%	91%	57-139%

Summa Cleaning Certification

Job Number: M66993
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSJ562-SCC	J10886.D	1	07/06/07	DFT	n/a	n/a	MSJ562

The QC reported here (Summa M145) applies to the following samples: **Method:** TO-15

Batch CP443 cleaned 07/03/07: M66993-1(M145)

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

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	90%	57-139%

Summa Cleaning Certification

Job Number: M66993
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSQ214-SCC	Q3991.D	1	07/17/07	DFT	n/a	n/a	MSQ214

The QC reported here (Summa M081) applies to the following samples: **Method:** TO-15

Batch CP446 cleaned 07/10/07: M66993-2(M081)

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%

Instrument Performance Check (BFB)

Job Number: M66993
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

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

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	19975	21.6		Pass
75	30.0 - 66.0% of mass 95	48614	52.6		Pass
95	Base peak, 100% relative abundance	92470	100.0		Pass
96	5.0 - 9.0% of mass 95	6965	7.5		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 120.0% of mass 95	88639	95.9		Pass
175	4.0 - 9.0% of mass 174	4877	5.3	(5.5) [a]	Pass
176	93.0 - 101.0% of mass 174	84398	91.3	(95.2) [a]	Pass
177	5.0 - 9.0% of mass 176	5762	6.2	(6.8) [b]	Pass

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

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSJ562-IC562	J10860.D	07/05/07	10:47	00:00	Initial cal 0.5
MSJ562-IC562	J10861.D	07/05/07	11:40	00:53	Initial cal 0.2
MSJ562-IC562	J10863.D	07/05/07	13:26	02:39	Initial cal 40
MSJ562-IC562	J10864.D	07/05/07	14:22	03:35	Initial cal 20
MSJ562-ICC562	J10865.D	07/05/07	15:15	04:28	Initial cal 10
MSJ562-IC562	J10866.D	07/05/07	16:08	05:21	Initial cal 5
MSJ562-IC562	J10867.D	07/05/07	16:59	06:12	Initial cal 2
MSJ562-ICV562	J10868.D	07/05/07	17:56	07:09	Initial cal verification 10

Instrument Performance Check (BFB)

Job Number: M66993
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

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

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	47380	20.7		Pass
75	30.0 - 66.0% of mass 95	114612	50.0		Pass
95	Base peak, 100% relative abundance	229440	100.0		Pass
96	5.0 - 9.0% of mass 95	17680	7.7		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 120.0% of mass 95	218688	95.3		Pass
175	4.0 - 9.0% of mass 174	10052	4.4	(4.6) [a]	Pass
176	93.0 - 101.0% of mass 174	212064	92.4	(97.0) [a]	Pass
177	5.0 - 9.0% of mass 176	14698	6.4	(6.9) [b]	Pass

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

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSJ562-CC562	J10868A.D	07/05/07	17:56	00:00	Continuing cal 10
MSJ562-BS	J10868B.D	07/05/07	17:56	00:00	Blank Spike
MSJ562-SCC	J10870A.D	07/05/07	19:53	01:57	Summa Cleaning Certification
MSJ562-MB	J10870.D	07/05/07	19:53	01:57	Method Blank
MSJ562-SCC	J10871.D	07/05/07	20:51	02:55	Summa Cleaning Certification
MSJ562-SCC	J10872.D	07/05/07	21:47	03:51	Summa Cleaning Certification
MSJ562-SCC	J10873.D	07/05/07	22:39	04:43	Summa Cleaning Certification
MSJ562-SCC	J10874.D	07/05/07	23:32	05:36	Summa Cleaning Certification
MSJ562-SCC	J10875.D	07/06/07	00:25	06:29	Summa Cleaning Certification
MSJ562-SCC	J10876.D	07/06/07	01:18	07:22	Summa Cleaning Certification
MSJ562-SCC	J10877.D	07/06/07	02:10	08:14	Summa Cleaning Certification
MSJ562-SCC	J10878.D	07/06/07	03:02	09:06	Summa Cleaning Certification
MSJ562-SCC	J10879.D	07/06/07	03:54	09:58	Summa Cleaning Certification
MSJ562-SCC	J10880.D	07/06/07	04:44	10:48	Summa Cleaning Certification
MSJ562-SCC	J10881.D	07/06/07	05:36	11:40	Summa Cleaning Certification
MSJ562-SCC	J10882.D	07/06/07	06:28	12:32	Summa Cleaning Certification
MSJ562-SCC	J10883.D	07/06/07	07:20	13:24	Summa Cleaning Certification
MSJ562-SCC	J10885.D	07/06/07	09:47	15:51	Summa Cleaning Certification
MSJ562-SCC	J10886.D	07/06/07	10:37	16:41	Summa Cleaning Certification
MSJ562-SCC	J10887.D	07/06/07	11:29	17:33	Summa Cleaning Certification
M65994-1	J10888.D	07/06/07	12:22	18:26	(used for QC only; not part of job M66993)
M65994-1	J10890.D	07/06/07	14:05	20:09	(used for QC only; not part of job M66993)
ZZZZZZ	J10891.D	07/06/07	14:57	21:01	(unrelated sample)
M65994-1DUP	J10892.D	07/06/07	15:47	21:51	Duplicate

Instrument Performance Check (BFB)

Job Number: M66993
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ214-BFB
Lab File ID: Q3977.D
Instrument ID: GCMSQ
Injection Date: 07/16/07
Injection Time: 16:53

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	37567	20.4		Pass
75	30.0 - 66.0% of mass 95	91035	49.5		Pass
95	Base peak, 100% relative abundance	183833	100.0		Pass
96	5.0 - 9.0% of mass 95	11307	6.2		Pass
173	Less than 2.0% of mass 174	121	0.07	(0.07) [a]	Pass
174	50.0 - 120.0% of mass 95	182726	99.4		Pass
175	4.0 - 9.0% of mass 174	12997	7.1	(7.1) [a]	Pass
176	93.0 - 101.0% of mass 174	176070	95.8	(96.4) [a]	Pass
177	5.0 - 9.0% of mass 176	10865	5.9	(6.2) [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
MSQ214-IC214	Q3977.D	07/16/07	16:53	00:00	Initial cal 40
MSQ214-IC214	Q3978.D	07/16/07	17:36	00:43	Initial cal 20
MSQ214-ICC214	Q3979.D	07/16/07	18:18	01:25	Initial cal 10
MSQ214-IC214	Q3980.D	07/16/07	19:01	02:08	Initial cal 5
MSQ214-IC214	Q3981.D	07/16/07	19:44	02:51	Initial cal 2
MSQ214-IC214	Q3982.D	07/16/07	20:26	03:33	Initial cal 0.5
MSQ214-IC214	Q3983.D	07/16/07	21:09	04:16	Initial cal 0.2

Instrument Performance Check (BFB)

Job Number: M66993
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ214-BFB
Lab File ID: Q3984.D
Instrument ID: GCMSQ
Injection Date: 07/17/07
Injection Time: 08:45

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	40213	21.2		Pass
75	30.0 - 66.0% of mass 95	102322	54.0		Pass
95	Base peak, 100% relative abundance	189568	100.0		Pass
96	5.0 - 9.0% of mass 95	12344	6.5		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 120.0% of mass 95	184490	97.3		Pass
175	4.0 - 9.0% of mass 174	13823	7.3	(7.5) [a]	Pass
176	93.0 - 101.0% of mass 174	175296	92.5	(95.0) [a]	Pass
177	5.0 - 9.0% of mass 176	11417	6.0	(6.5) [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
MSQ214-ICV214	Q3984.D	07/17/07	08:45	00:00	Initial cal verification 10
MSQ214-CC214	Q3984A.D	07/17/07	08:45	00:00	Continuing cal 10
MSQ214-BS	Q3984B.D	07/17/07	08:45	00:00	Blank Spike
MSQ214-MB	Q3986.D	07/17/07	10:09	01:24	Method Blank
MSQ214-SCC	Q3986A.D	07/17/07	10:09	01:24	Summa Cleaning Certification
MSQ214-SCC	Q3990.D	07/17/07	13:01	04:16	Summa Cleaning Certification
MSQ214-SCC	Q3991.D	07/17/07	13:44	04:59	Summa Cleaning Certification
MSQ214-SCC	Q3992.D	07/17/07	14:27	05:42	Summa Cleaning Certification
MSQ214-SCC	Q3993.D	07/17/07	15:11	06:26	Summa Cleaning Certification
MSQ214-SCC	Q3994.D	07/17/07	15:54	07:09	Summa Cleaning Certification
MSQ214-SCC	Q3995.D	07/17/07	16:39	07:54	Summa Cleaning Certification
MSQ214-SCC	Q3996.D	07/17/07	17:22	08:37	Summa Cleaning Certification
M66000-1R	Q3997.D	07/17/07	18:04	09:19	(used for QC only; not part of job M66993)
M66000-1RDUP	Q3998.D	07/17/07	18:48	10:03	Duplicate
ZZZZZZ	Q3999.D	07/17/07	19:31	10:46	(unrelated sample)
ZZZZZZ	Q4001.D	07/17/07	20:58	12:13	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: M66993
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ231-BFB
Lab File ID: Q4368.D
Instrument ID: GCMSQ
Injection Date: 08/23/07
Injection Time: 10:43

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	29442	18.3		Pass
75	30.0 - 66.0% of mass 95	73490	45.8		Pass
95	Base peak, 100% relative abundance	160533	100.0		Pass
96	5.0 - 9.0% of mass 95	10583	6.6		Pass
173	Less than 2.0% of mass 174	310	0.19	(0.22) [a]	Pass
174	50.0 - 120.0% of mass 95	143274	89.2		Pass
175	4.0 - 9.0% of mass 174	9621	6.0	(6.7) [a]	Pass
176	93.0 - 101.0% of mass 174	138282	86.1	(96.5) [a]	Pass
177	5.0 - 9.0% of mass 176	8125	5.1	(5.9) [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
MSQ231-IC231	Q4368.D	08/23/07	10:43	00:00	Initial cal 0.5
MSQ231-IC231	Q4369.D	08/23/07	11:25	00:42	Initial cal 0.2
MSQ231-IC231	Q4370.D	08/23/07	12:07	01:24	Initial cal 40
MSQ231-IC231	Q4371.D	08/23/07	12:48	02:05	Initial cal 20
MSQ231-ICC231	Q4372.D	08/23/07	13:30	02:47	Initial cal 10
MSQ231-IC231	Q4373.D	08/23/07	14:12	03:29	Initial cal 5
MSQ231-IC231	Q4374.D	08/23/07	14:54	04:11	Initial cal 2

Instrument Performance Check (BFB)

Job Number: M66993
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ231-BFB
Lab File ID: Q4375A.D
Instrument ID: GCMSQ
Injection Date: 08/23/07
Injection Time: 15:45

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	24074	20.1		Pass
75	30.0 - 66.0% of mass 95	58474	48.9		Pass
95	Base peak, 100% relative abundance	119604	100.0		Pass
96	5.0 - 9.0% of mass 95	7684	6.4		Pass
173	Less than 2.0% of mass 174	285	0.24	(0.3) [a]	Pass
174	50.0 - 120.0% of mass 95	96048	80.3		Pass
175	4.0 - 9.0% of mass 174	6919	5.8	(7.2) [a]	Pass
176	93.0 - 101.0% of mass 174	93018	77.8	(96.8) [a]	Pass
177	5.0 - 9.0% of mass 176	5751	4.8	(6.2) [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
MSQ231-ICV231	Q4375.D	08/23/07	15:45	00:00	Initial cal verification 10
MSQ231-CC231	Q4375A.D	08/23/07	15:45	00:00	Continuing cal 10
MSQ231-BS	Q4375B.D	08/23/07	15:45	00:00	Blank Spike
MSQ231-MB	Q4377.D	08/23/07	17:11	01:26	Method Blank
ZZZZZZ	Q4378.D	08/23/07	17:56	02:11	(unrelated sample)
ZZZZZZ	Q4379.D	08/23/07	18:39	02:54	(unrelated sample)
M66993-1	Q4380.D	08/23/07	19:21	03:36	045162-162GLEN-1
M66993-1DUP	Q4381.D	08/23/07	20:05	04:20	Duplicate
M66993-2	Q4382.D	08/23/07	20:48	05:03	045162-162GLEN-B
ZZZZZZ	Q4384.D	08/23/07	22:16	06:31	(unrelated sample)
ZZZZZZ	Q4385.D	08/23/07	22:58	07:13	(unrelated sample)
ZZZZZZ	Q4387.D	08/24/07	00:23	08:38	(unrelated sample)
ZZZZZZ	Q4388.D	08/24/07	08:53	17:08	(unrelated sample)
ZZZZZZ	Q4390.D	08/24/07	10:17	18:32	(unrelated sample)
MSQ231-SCC	Q4394.D	08/24/07	15:48	24:03	Summa Cleaning Certification

Volatile Internal Standard Area Summary

Job Number: M66993
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

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

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

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

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

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

Volatile Internal Standard Area Summary

Job Number: M66993
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Check Std:	MSQ214-CC214	**Injection Date:**	07/17/07
Lab File ID:	Q3984A.D	**Injection Time:**	08:45
Instrument ID:	GCMSQ	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	198360	8.63	902151	10.46	781705	14.71
Upper Limit [a]	277704	8.96	1263011	10.79	1094387	15.04
Lower Limit [b]	119016	8.30	541291	10.13	469023	14.38

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
MSQ214-BS	198360	8.63	902151	10.46	781705	14.71
MSQ214-MB	220566	8.63	986337	10.46	863843	14.70
MSQ214-SCC	220566	8.63	986337	10.46	863843	14.70
MSQ214-SCC	236761	8.63	1093738	10.46	913225	14.71
MSQ214-SCC	230475	8.63	1086133	10.46	911320	14.71
MSQ214-SCC	226928	8.63	1028230	10.46	881765	14.70
MSQ214-SCC	215083	8.63	998215	10.46	842492	14.70
MSQ214-SCC	214066	8.63	1008316	10.46	850961	14.70
MSQ214-SCC	205762	8.69	989502	10.50	833718	14.72
MSQ214-SCC	208441	8.63	990841	10.46	837512	14.70
M66000-1R	210606	8.63	989081	10.46	866919	14.71
M66000-1RDUP	225936	8.63	1060985	10.46	899670	14.70
ZZZZZZ	215281	8.56	990346	10.44	816031	14.71
ZZZZZZ	182276	8.67	862965	10.48	730052	14.71

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: M66993
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Check Std:	MSQ231-CC231	**Injection Date:**	08/23/07
Lab File ID:	Q4375A.D	**Injection Time:**	15:45
Instrument ID:	GCMSQ	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	175648	8.63	851887	10.46	662417	14.70
Upper Limit [a]	245907	8.96	1192642	10.79	927384	15.03
Lower Limit [b]	105389	8.30	511132	10.13	397450	14.37

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
MSQ231-BS	175648	8.63	851887	10.46	662417	14.70
MSQ231-MB	149353	8.63	715673	10.46	506302	14.70
ZZZZZZ	88905*	8.51	537056	10.43	407821	14.69
ZZZZZZ	125454	8.63	625378	10.46	480098	14.70
M66993-1	167084	8.63	788907	10.45	581796	14.70
M66993-1DUP	169660	8.63	774075	10.45	570949	14.70
M66993-2	170757	8.63	772480	10.46	571751	14.70
ZZZZZZ	161962	8.63	761914	10.46	554388	14.70
ZZZZZZ	166159	8.63	784429	10.46	588295	14.70
ZZZZZZ	176869	8.63	813217	10.46	586063	14.70
ZZZZZZ	161274	8.63	768826	10.46	540941	14.70
ZZZZZZ	102179[c]	8.63	534829	10.45	341675[c]	14.70
MSQ231-SCC	162027	8.63	837078	10.46	568629	14.70

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

(a) Upper Limit = +40% of check standard area; Retention time +0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.
(c) Outside control limits due to possible matrix interference. Confirmed by reanalysis.

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66993
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

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

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.69	8.62	0.660	ok	0.658	0.598-0.718
1,3-Butadiene	4.58	8.62	0.531	ok	0.531	0.471-0.591
Benzene	10.12	10.44	0.969	ok	0.970	0.910-1.030
Bromodichloromethane	11.09	10.44	1.062	ok	1.062	1.002-1.122
Bromoform	15.39	14.67	1.049	ok	1.050	0.990-1.110
Bromomethane	4.86	8.62	0.564	ok	0.563	0.503-0.623
Bromoethene	5.38	8.62	0.624	ok	0.624	0.564-0.684
Benzyl Chloride	17.89	14.67	1.219	ok	1.219	1.159-1.279
Carbon disulfide	6.84	8.62	0.794	ok	0.794	0.734-0.854
Chlorobenzene	14.71	14.67	1.003	ok	1.003	0.943-1.063
Chloroethane	5.03	8.62	0.584	ok	0.583	0.523-0.643
Chloroform	8.74	8.62	1.014	ok	1.014	0.954-1.074
Chloromethane	4.23	8.62	0.491	ok	0.491	0.431-0.551
3-Chloropropene	6.66	8.62	0.773	ok	0.772	0.712-0.832
2-Chlorotoluene	16.98	14.67	1.157	ok	1.158	1.098-1.218
Carbon tetrachloride	10.25	8.62	1.189	ok	1.190	1.130-1.250
Cyclohexane	10.37	10.44	0.993	ok	0.993	0.933-1.053
1,1-Dichloroethane	7.65	8.62	0.887	ok	0.887	0.827-0.947
1,1-Dichloroethylene	6.43	8.62	0.746	ok	0.745	0.685-0.805
1,2-Dibromoethane	13.57	14.67	0.925	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.45	8.62	1.096	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.90	10.44	1.044	ok	1.044	0.984-1.104
1,4-Dioxane	11.28	10.44	1.080	ok	1.074	1.014-1.134
Dichlorodifluoromethane	4.06	8.62	0.471	ok	0.472	0.412-0.532
Dibromochloromethane	13.32	14.67	0.908	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.45	8.62	0.864	ok	0.864	0.804-0.924
cis-1,2-Dichloroethylene	8.46	8.62	0.981	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.94	10.44	1.144	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.90	14.67	1.220	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.37	14.67	1.252	ok	1.252	1.192-1.312
p-Dichlorobenzene	17.98	14.67	1.226	ok	1.226	1.166-1.286
trans-1,3-Dichloropropene	12.44	10.44	1.192	ok	1.193	1.133-1.253
Ethanol	5.32	8.62	0.617	ok	0.608	0.548-0.668
Ethylbenzene	15.09	14.67	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.71	8.62	1.010	ok	1.010	0.950-1.070
4-Ethyltoluene	17.16	14.67	1.170	ok	1.170	1.110-1.230
Freon 113	6.79	8.62	0.788	ok	0.787	0.727-0.847
Freon 114	4.33	8.62	0.502	ok	0.501	0.441-0.561
Heptane	11.36	10.44	1.088	ok	1.088	1.028-1.148
Hexachlorobutadiene	20.76	14.67	1.415	ok	1.415	1.355-1.475
Hexane	8.63	8.62	1.001	ok	1.001	0.941-1.061

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66993
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

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

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.20	14.67	0.900	ok	0.899	0.839-0.959
Isopropylbenzene	16.42	14.67	1.119	ok	1.120	1.060-1.180
Isopropyl Alcohol	6.07	8.62	0.704	ok	0.696	0.636-0.756
Methylene chloride	6.55	8.62	0.760	ok	0.759	0.699-0.819
Methyl ethyl ketone	8.10	8.62	0.940	ok	0.939	0.879-0.999
Methyl Isobutyl Ketone	12.02	10.44	1.151	ok	1.151	1.091-1.211
Methyl Tert Butyl Ether	7.75	8.62	0.899	ok	0.898	0.838-0.958
Nonane	15.97	14.67	1.089	ok	1.088	1.028-1.148
Pentane	6.13	8.62	0.711	ok	0.711	0.651-0.771
Propylene	4.00	8.62	0.464	ok	0.464	0.404-0.524
Styrene	15.67	14.67	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.68	8.62	1.123	ok	1.123	1.063-1.183
1,1,2,2-Tetrachloroethane	15.79	14.67	1.076	ok	1.077	1.017-1.137
1,1,2-Trichloroethane	12.62	10.44	1.209	ok	1.210	1.150-1.270
1,2,4-Trichlorobenzene	20.28	14.67	1.382	ok	1.382	1.322-1.442
1,2,4-Trimethylbenzene	17.72	14.67	1.208	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.25	14.67	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.12	10.44	1.065	ok	1.066	1.006-1.126
Tertiary Butyl Alcohol	6.69	8.62	0.776	ok	0.767	0.707-0.827
Tetrachloroethylene	14.01	14.67	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	9.23	8.62	1.071	ok	1.066	1.006-1.126
Toluene	12.88	10.44	1.234	ok	1.235	1.175-1.295
Trichloroethylene	11.11	10.44	1.064	ok	1.065	1.005-1.125
Trichlorofluoromethane	5.79	8.62	0.672	ok	0.671	0.611-0.731
Vinyl chloride	4.45	8.62	0.516	ok	0.516	0.456-0.576
Vinyl Acetate	7.81	8.62	0.906	ok	0.905	0.845-0.965
m,p-Xylene	15.27	14.67	1.041	ok	1.041	0.981-1.101
o-Xylene	15.78	14.67	1.076	ok	1.076	1.016-1.136

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

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66993
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

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

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.70	8.61	0.662	ok	0.658	0.598-0.718
1,3-Butadiene	4.58	8.61	0.532	ok	0.531	0.471-0.591
Benzene	10.11	10.43	0.969	ok	0.970	0.910-1.030
Bromodichloromethane	11.08	10.43	1.062	ok	1.062	1.002-1.122
Bromoform	15.39	14.66	1.050	ok	1.050	0.990-1.110
Bromomethane	4.84	8.61	0.562	ok	0.563	0.503-0.623
Bromoethene	5.38	8.61	0.625	ok	0.624	0.564-0.684
Benzyl Chloride	17.89	14.66	1.220	ok	1.219	1.159-1.279
Carbon disulfide	6.84	8.61	0.794	ok	0.794	0.734-0.854
Chlorobenzene	14.71	14.66	1.003	ok	1.003	0.943-1.063
Chloroethane	5.02	8.61	0.583	ok	0.583	0.523-0.643
Chloroform	8.73	8.61	1.014	ok	1.014	0.954-1.074
Chloromethane	4.23	8.61	0.491	ok	0.491	0.431-0.551
Carbon tetrachloride	10.25	8.61	1.190	ok	1.190	1.130-1.250
1,1-Dichloroethane	7.65	8.61	0.889	ok	0.887	0.827-0.947
1,1-Dichloroethylene	6.42	8.61	0.746	ok	0.745	0.685-0.805
1,2-Dibromoethane	13.56	14.66	0.925	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.44	8.61	1.096	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.89	10.43	1.044	ok	1.044	0.984-1.104
Dichlorodifluoromethane	4.06	8.61	0.472	ok	0.472	0.412-0.532
Dibromochloromethane	13.32	14.66	0.909	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.46	8.61	0.866	ok	0.864	0.804-0.924
cis-1,2-Dichloroethylene	8.45	8.61	0.981	ok	0.981	0.921-1.041
m-Dichlorobenzene	17.91	14.66	1.222	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.37	14.66	1.253	ok	1.252	1.192-1.312
p-Dichlorobenzene	17.98	14.66	1.226	ok	1.226	1.166-1.286
Ethyl Acetate	8.73	8.61	1.014	ok	1.010	0.950-1.070
Freon 113	6.78	8.61	0.787	ok	0.787	0.727-0.847
Freon 114	4.32	8.61	0.502	ok	0.501	0.441-0.561
Hexachlorobutadiene	20.76	14.66	1.416	ok	1.415	1.355-1.475
Hexane	8.62	8.61	1.001	ok	1.001	0.941-1.061
Methylene chloride	6.54	8.61	0.760	ok	0.759	0.699-0.819
Methyl ethyl ketone	8.13	8.61	0.944	ok	0.939	0.879-0.999
Methyl Tert Butyl Ether	7.77	8.61	0.902	ok	0.898	0.838-0.958
Pentane	6.14	8.61	0.713	ok	0.711	0.651-0.771
Propylene	4.00	8.61	0.465	ok	0.464	0.404-0.524
1,1,1-Trichloroethane	9.67	8.61	1.123	ok	1.123	1.063-1.183
1,1,2,2-Tetrachloroethane	15.79	14.66	1.077	ok	1.077	1.017-1.137
1,1,2-Trichloroethane	12.62	10.43	1.210	ok	1.210	1.150-1.270
1,2,4-Trichlorobenzene	20.27	14.66	1.383	ok	1.382	1.322-1.442
2,2,4-Trimethylpentane	11.12	10.43	1.066	ok	1.066	1.006-1.126

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66993
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

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

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

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

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66993
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

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

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.64	8.62	0.654	ok	0.658	0.598-0.718
1,3-Butadiene	4.57	8.62	0.530	ok	0.531	0.471-0.591
Benzene	10.13	10.45	0.969	ok	0.970	0.910-1.030
Bromodichloromethane	11.11	10.45	1.063	ok	1.062	1.002-1.122
Bromoform	15.44	14.70	1.050	ok	1.050	0.990-1.110
Bromomethane	4.85	8.62	0.563	ok	0.563	0.503-0.623
Bromoethene	5.37	8.62	0.623	ok	0.624	0.564-0.684
Benzyl Chloride	17.91	14.70	1.218	ok	1.219	1.159-1.279
Carbon disulfide	6.83	8.62	0.792	ok	0.794	0.734-0.854
Chlorobenzene	14.74	14.70	1.003	ok	1.003	0.943-1.063
Chloroethane	5.01	8.62	0.581	ok	0.583	0.523-0.643
Chloroform	8.75	8.62	1.015	ok	1.014	0.954-1.074
Chloromethane	4.23	8.62	0.491	ok	0.491	0.431-0.551
3-Chloropropene	6.65	8.62	0.771	ok	0.772	0.712-0.832
2-Chlorotoluene	17.01	14.70	1.157	ok	1.158	1.098-1.218
Carbon tetrachloride	10.26	8.62	1.190	ok	1.190	1.130-1.250
Cyclohexane	10.36	10.45	0.991	ok	0.993	0.933-1.053
1,1-Dichloroethane	7.65	8.62	0.887	ok	0.887	0.827-0.947
1,1-Dichloroethylene	6.41	8.62	0.744	ok	0.745	0.685-0.805
1,2-Dibromoethane	13.61	14.70	0.926	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.46	8.62	1.097	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.91	10.45	1.044	ok	1.044	0.984-1.104
1,4-Dioxane	11.20	10.45	1.072	ok	1.074	1.014-1.134
Dichlorodifluoromethane	4.07	8.62	0.472	ok	0.472	0.412-0.532
Dibromochloromethane	13.36	14.70	0.909	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.44	8.62	0.863	ok	0.864	0.804-0.924
cis-1,2-Dichloroethylene	8.45	8.62	0.980	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.95	10.45	1.144	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.93	14.70	1.220	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.39	14.70	1.251	ok	1.252	1.192-1.312
p-Dichlorobenzene	18.00	14.70	1.224	ok	1.226	1.166-1.286
trans-1,3-Dichloropropene	12.47	10.45	1.193	ok	1.193	1.133-1.253
Ethanol	5.23	8.62	0.607	ok	0.608	0.548-0.668
Ethylbenzene	15.12	14.70	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.70	8.62	1.009	ok	1.010	0.950-1.070
4-Ethyltoluene	17.19	14.70	1.169	ok	1.170	1.110-1.230
Freon 113	6.77	8.62	0.785	ok	0.787	0.727-0.847
Freon 114	4.32	8.62	0.501	ok	0.501	0.441-0.561
Heptane	11.37	10.45	1.088	ok	1.088	1.028-1.148
Hexachlorobutadiene	20.76	14.70	1.412	ok	1.415	1.355-1.475
Hexane	8.62	8.62	1.000	ok	1.001	0.941-1.061

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66993
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

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

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.21	14.70	0.899	ok	0.899	0.839-0.959
Isopropylbenzene	16.45	14.70	1.119	ok	1.120	1.060-1.180
Isopropyl Alcohol	6.04	8.62	0.701	ok	0.696	0.636-0.756
Methylene chloride	6.53	8.62	0.758	ok	0.759	0.699-0.819
Methyl ethyl ketone	8.09	8.62	0.939	ok	0.939	0.879-0.999
Methyl Isobutyl Ketone	12.03	10.45	1.151	ok	1.151	1.091-1.211
Methyl Tert Butyl Ether	7.72	8.62	0.896	ok	0.898	0.838-0.958
Nonane	15.99	14.70	1.088	ok	1.088	1.028-1.148
Pentane	6.12	8.62	0.710	ok	0.711	0.651-0.771
Propylene	3.99	8.62	0.463	ok	0.464	0.404-0.524
Styrene	15.70	14.70	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.68	8.62	1.123	ok	1.123	1.063-1.183
1,1,2,2-Tetrachloroethane	15.83	14.70	1.077	ok	1.077	1.017-1.137
1,1,2-Trichloroethane	12.65	10.45	1.211	ok	1.210	1.150-1.270
1,2,4-Trichlorobenzene	20.28	14.70	1.380	ok	1.382	1.322-1.442
1,2,4-Trimethylbenzene	17.74	14.70	1.207	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.28	14.70	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.13	10.45	1.065	ok	1.066	1.006-1.126
Tertiary Butyl Alcohol	6.65	8.62	0.771	ok	0.767	0.707-0.827
Tetrachloroethylene	14.03	14.70	0.954	ok	0.955	0.895-1.015
Tetrahydrofuran	9.17	8.62	1.064	ok	1.066	1.006-1.126
Toluene	12.90	10.45	1.234	ok	1.235	1.175-1.295
Trichloroethylene	11.13	10.45	1.065	ok	1.065	1.005-1.125
Trichlorofluoromethane	5.78	8.62	0.671	ok	0.671	0.611-0.731
Vinyl chloride	4.44	8.62	0.515	ok	0.516	0.456-0.576
Vinyl Acetate	7.80	8.62	0.905	ok	0.905	0.845-0.965
m,p-Xylene	15.31	14.70	1.041	ok	1.041	0.981-1.101
o-Xylene	15.82	14.70	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.62	ok	8.62	8.29-8.95	350136	ok	333675	200205-467145
1,4-Difluorobenzene	10.45	ok	10.43	10.10-10.76	1441648	ok	1414039	848423-1979655
Chlorobenzene-D5	14.70	ok	14.67	14.34-15.00	1373333	ok	1228766	737260-1720272

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66993
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

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

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.63	8.60	0.655	ok	0.658	0.598-0.718
1,3-Butadiene	4.57	8.60	0.531	ok	0.531	0.471-0.591
Benzene	10.11	10.43	0.969	ok	0.970	0.910-1.030
Bromodichloromethane	11.08	10.43	1.062	ok	1.062	1.002-1.122
Bromoform	15.42	14.68	1.050	ok	1.050	0.990-1.110
Bromomethane	4.84	8.60	0.563	ok	0.563	0.503-0.623
Bromoethene	5.36	8.60	0.623	ok	0.624	0.564-0.684
Benzyl Chloride	17.90	14.68	1.219	ok	1.219	1.159-1.279
Carbon disulfide	6.82	8.60	0.793	ok	0.794	0.734-0.854
Chlorobenzene	14.72	14.68	1.003	ok	1.003	0.943-1.063
Chloroethane	5.01	8.60	0.583	ok	0.583	0.523-0.643
Chloroform	8.73	8.60	1.015	ok	1.014	0.954-1.074
Chloromethane	4.22	8.60	0.491	ok	0.491	0.431-0.551
3-Chloropropene	6.63	8.60	0.771	ok	0.772	0.712-0.832
2-Chlorotoluene	16.99	14.68	1.157	ok	1.158	1.098-1.218
Carbon tetrachloride	10.24	8.60	1.191	ok	1.190	1.130-1.250
Cyclohexane	10.35	10.43	0.992	ok	0.993	0.933-1.053
1,1-Dichloroethane	7.63	8.60	0.887	ok	0.887	0.827-0.947
1,1-Dichloroethylene	6.40	8.60	0.744	ok	0.745	0.685-0.805
1,2-Dibromoethane	13.58	14.68	0.925	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.44	8.60	1.098	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.89	10.43	1.044	ok	1.044	0.984-1.104
1,4-Dioxane	11.17	10.43	1.071	ok	1.074	1.014-1.134
Dichlorodifluoromethane	4.06	8.60	0.472	ok	0.472	0.412-0.532
Dibromochloromethane	13.34	14.68	0.909	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.43	8.60	0.864	ok	0.864	0.804-0.924
cis-1,2-Dichloroethylene	8.44	8.60	0.981	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.93	10.43	1.144	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.91	14.68	1.220	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.38	14.68	1.252	ok	1.252	1.192-1.312
p-Dichlorobenzene	17.99	14.68	1.225	ok	1.226	1.166-1.286
trans-1,3-Dichloropropene	12.45	10.43	1.194	ok	1.193	1.133-1.253
Ethanol	5.21	8.60	0.606	ok	0.608	0.548-0.668
Ethylbenzene	15.10	14.68	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.68	8.60	1.009	ok	1.010	0.950-1.070
4-Ethyltoluene	17.18	14.68	1.170	ok	1.170	1.110-1.230
Freon 113	6.76	8.60	0.786	ok	0.787	0.727-0.847
Freon 114	4.31	8.60	0.501	ok	0.501	0.441-0.561
Heptane	11.35	10.43	1.088	ok	1.088	1.028-1.148
Hexachlorobutadiene	20.76	14.68	1.414	ok	1.415	1.355-1.475
Hexane	8.61	8.60	1.001	ok	1.001	0.941-1.061

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66993
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

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

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.18	14.68	0.898	ok	0.899	0.839-0.959
Isopropylbenzene	16.44	14.68	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.97	8.60	0.694	ok	0.696	0.636-0.756
Methylene chloride	6.52	8.60	0.758	ok	0.759	0.699-0.819
Methyl ethyl ketone	8.06	8.60	0.937	ok	0.939	0.879-0.999
Methyl Isobutyl Ketone	12.00	10.43	1.151	ok	1.151	1.091-1.211
Methyl Tert Butyl Ether	7.70	8.60	0.895	ok	0.898	0.838-0.958
Nonane	15.98	14.68	1.089	ok	1.088	1.028-1.148
Pentane	6.11	8.60	0.710	ok	0.711	0.651-0.771
Propylene	3.99	8.60	0.464	ok	0.464	0.404-0.524
Styrene	15.68	14.68	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.67	8.60	1.124	ok	1.123	1.063-1.183
1,1,2,2-Tetrachloroethane	15.81	14.68	1.077	ok	1.077	1.017-1.137
1,1,2-Trichloroethane	12.63	10.43	1.211	ok	1.210	1.150-1.270
1,2,4-Trichlorobenzene	20.27	14.68	1.381	ok	1.382	1.322-1.442
1,2,4-Trimethylbenzene	17.73	14.68	1.208	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.27	14.68	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.11	10.43	1.065	ok	1.066	1.006-1.126
Tertiary Butyl Alcohol	6.57	8.60	0.764	ok	0.767	0.707-0.827
Tetrachloroethylene	14.01	14.68	0.954	ok	0.955	0.895-1.015
Tetrahydrofuran	9.15	8.60	1.064	ok	1.066	1.006-1.126
Toluene	12.89	10.43	1.236	ok	1.235	1.175-1.295
Trichloroethylene	11.11	10.43	1.065	ok	1.065	1.005-1.125
Trichlorofluoromethane	5.77	8.60	0.671	ok	0.671	0.611-0.731
Vinyl chloride	4.44	8.60	0.516	ok	0.516	0.456-0.576
Vinyl Acetate	7.78	8.60	0.905	ok	0.905	0.845-0.965
m,p-Xylene	15.29	14.68	1.042	ok	1.041	0.981-1.101
o-Xylene	15.80	14.68	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.60	ok	8.62	8.29-8.95	365307	ok	333675	200205-467145
1,4-Difluorobenzene	10.43	ok	10.43	10.10-10.76	1518441	ok	1414039	848423-1979655
Chlorobenzene-D5	14.68	ok	14.67	14.34-15.00	1386139	ok	1228766	737260-1720272

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66993
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

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

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.65	8.62	0.655	ok	0.658	0.598-0.718
1,3-Butadiene	4.58	8.62	0.531	ok	0.531	0.471-0.591
Benzene	10.11	10.43	0.969	ok	0.970	0.910-1.030
Bromodichloromethane	11.08	10.43	1.062	ok	1.062	1.002-1.122
Bromoform	15.41	14.67	1.050	ok	1.050	0.990-1.110
Bromomethane	4.85	8.62	0.563	ok	0.563	0.503-0.623
Bromoethene	5.37	8.62	0.623	ok	0.624	0.564-0.684
Benzyl Chloride	17.89	14.67	1.219	ok	1.219	1.159-1.279
Carbon disulfide	6.84	8.62	0.794	ok	0.794	0.734-0.854
Chlorobenzene	14.72	14.67	1.003	ok	1.003	0.943-1.063
Chloroethane	5.02	8.62	0.582	ok	0.583	0.523-0.643
Chloroform	8.74	8.62	1.014	ok	1.014	0.954-1.074
Chloromethane	4.23	8.62	0.491	ok	0.491	0.431-0.551
3-Chloropropene	6.65	8.62	0.771	ok	0.772	0.712-0.832
2-Chlorotoluene	16.99	14.67	1.158	ok	1.158	1.098-1.218
Carbon tetrachloride	10.25	8.62	1.189	ok	1.190	1.130-1.250
Cyclohexane	10.36	10.43	0.993	ok	0.993	0.933-1.053
1,1-Dichloroethane	7.64	8.62	0.886	ok	0.887	0.827-0.947
1,1-Dichloroethylene	6.41	8.62	0.744	ok	0.745	0.685-0.805
1,2-Dibromoethane	13.57	14.67	0.925	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.44	8.62	1.095	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.89	10.43	1.044	ok	1.044	0.984-1.104
1,4-Dioxane	11.17	10.43	1.071	ok	1.074	1.014-1.134
Dichlorodifluoromethane	4.07	8.62	0.472	ok	0.472	0.412-0.532
Dibromochloromethane	13.33	14.67	0.909	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.44	8.62	0.863	ok	0.864	0.804-0.924
cis-1,2-Dichloroethylene	8.45	8.62	0.980	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.93	10.43	1.144	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.91	14.67	1.221	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.37	14.67	1.252	ok	1.252	1.192-1.312
p-Dichlorobenzene	17.99	14.67	1.226	ok	1.226	1.166-1.286
trans-1,3-Dichloropropene	12.44	10.43	1.193	ok	1.193	1.133-1.253
Ethanol	5.22	8.62	0.606	ok	0.608	0.548-0.668
Ethylbenzene	15.10	14.67	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.69	8.62	1.008	ok	1.010	0.950-1.070
4-Ethyltoluene	17.17	14.67	1.170	ok	1.170	1.110-1.230
Freon 113	6.77	8.62	0.785	ok	0.787	0.727-0.847
Freon 114	4.32	8.62	0.501	ok	0.501	0.441-0.561
Heptane	11.36	10.43	1.089	ok	1.088	1.028-1.148
Hexachlorobutadiene	20.76	14.67	1.415	ok	1.415	1.355-1.475
Hexane	8.62	8.62	1.000	ok	1.001	0.941-1.061

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66993
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

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

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.18	14.67	0.898	ok	0.899	0.839-0.959
Isopropylbenzene	16.43	14.67	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.97	8.62	0.693	ok	0.696	0.636-0.756
Methylene chloride	6.53	8.62	0.758	ok	0.759	0.699-0.819
Methyl ethyl ketone	8.07	8.62	0.936	ok	0.939	0.879-0.999
Methyl Isobutyl Ketone	12.00	10.43	1.151	ok	1.151	1.091-1.211
Methyl Tert Butyl Ether	7.72	8.62	0.896	ok	0.898	0.838-0.958
Nonane	15.97	14.67	1.089	ok	1.088	1.028-1.148
Pentane	6.13	8.62	0.711	ok	0.711	0.651-0.771
Propylene	4.00	8.62	0.464	ok	0.464	0.404-0.524
Styrene	15.68	14.67	1.069	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.67	8.62	1.122	ok	1.123	1.063-1.183
1,1,2,2-Tetrachloroethane	15.80	14.67	1.077	ok	1.077	1.017-1.137
1,1,2-Trichloroethane	12.63	10.43	1.211	ok	1.210	1.150-1.270
1,2,4-Trichlorobenzene	20.27	14.67	1.382	ok	1.382	1.322-1.442
1,2,4-Trimethylbenzene	17.72	14.67	1.208	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.26	14.67	1.177	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.12	10.43	1.066	ok	1.066	1.006-1.126
Tertiary Butyl Alcohol	6.57	8.62	0.762	ok	0.767	0.707-0.827
Tetrachloroethylene	14.01	14.67	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	9.17	8.62	1.064	ok	1.066	1.006-1.126
Toluene	12.89	10.43	1.236	ok	1.235	1.175-1.295
Trichloroethylene	11.11	10.43	1.065	ok	1.065	1.005-1.125
Trichlorofluoromethane	5.78	8.62	0.671	ok	0.671	0.611-0.731
Vinyl chloride	4.45	8.62	0.516	ok	0.516	0.456-0.576
Vinyl Acetate	7.79	8.62	0.904	ok	0.905	0.845-0.965
m,p-Xylene	15.28	14.67	1.042	ok	1.041	0.981-1.101
o-Xylene	15.79	14.67	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.62	ok	8.62	8.29-8.95	357730	ok	333675	200205-467145
1,4-Difluorobenzene	10.43	ok	10.43	10.10-10.76	1553136	ok	1414039	848423-1979655
Chlorobenzene-D5	14.67	ok	14.67	14.34-15.00	1367583	ok	1228766	737260-1720272

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66993
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

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

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.66	8.62	0.657	ok	0.658	0.598-0.718
1,3-Butadiene	4.58	8.62	0.531	ok	0.531	0.471-0.591
Benzene	10.12	10.43	0.970	ok	0.970	0.910-1.030
Bromodichloromethane	11.08	10.43	1.062	ok	1.062	1.002-1.122
Bromoform	15.40	14.67	1.050	ok	1.050	0.990-1.110
Bromomethane	4.85	8.62	0.563	ok	0.563	0.503-0.623
Bromoethene	5.38	8.62	0.624	ok	0.624	0.564-0.684
Benzyl Chloride	17.89	14.67	1.219	ok	1.219	1.159-1.279
Carbon disulfide	6.84	8.62	0.794	ok	0.794	0.734-0.854
Chlorobenzene	14.71	14.67	1.003	ok	1.003	0.943-1.063
Chloroethane	5.02	8.62	0.582	ok	0.583	0.523-0.643
Chloroform	8.73	8.62	1.013	ok	1.014	0.954-1.074
Chloromethane	4.23	8.62	0.491	ok	0.491	0.431-0.551
3-Chloropropene	6.65	8.62	0.771	ok	0.772	0.712-0.832
2-Chlorotoluene	16.98	14.67	1.157	ok	1.158	1.098-1.218
Carbon tetrachloride	10.25	8.62	1.189	ok	1.190	1.130-1.250
Cyclohexane	10.36	10.43	0.993	ok	0.993	0.933-1.053
1,1-Dichloroethane	7.65	8.62	0.887	ok	0.887	0.827-0.947
1,1-Dichloroethylene	6.42	8.62	0.745	ok	0.745	0.685-0.805
1,2-Dibromoethane	13.57	14.67	0.925	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.44	8.62	1.095	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.89	10.43	1.044	ok	1.044	0.984-1.104
1,4-Dioxane	11.18	10.43	1.072	ok	1.074	1.014-1.134
Dichlorodifluoromethane	4.07	8.62	0.472	ok	0.472	0.412-0.532
Dibromochloromethane	13.32	14.67	0.908	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.45	8.62	0.864	ok	0.864	0.804-0.924
cis-1,2-Dichloroethylene	8.45	8.62	0.980	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.93	10.43	1.144	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.90	14.67	1.220	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.37	14.67	1.252	ok	1.252	1.192-1.312
p-Dichlorobenzene	17.98	14.67	1.226	ok	1.226	1.166-1.286
trans-1,3-Dichloropropene	12.44	10.43	1.193	ok	1.193	1.133-1.253
Ethanol	5.22	8.62	0.606	ok	0.608	0.548-0.668
Ethylbenzene	15.09	14.67	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.69	8.62	1.008	ok	1.010	0.950-1.070
4-Ethyltoluene	17.16	14.67	1.170	ok	1.170	1.110-1.230
Freon 113	6.78	8.62	0.787	ok	0.787	0.727-0.847
Freon 114	4.32	8.62	0.501	ok	0.501	0.441-0.561
Heptane	11.35	10.43	1.088	ok	1.088	1.028-1.148
Hexachlorobutadiene	20.76	14.67	1.415	ok	1.415	1.355-1.475
Hexane	8.63	8.62	1.001	ok	1.001	0.941-1.061

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66993
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

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

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.18	14.67	0.898	ok	0.899	0.839-0.959
Isopropylbenzene	16.43	14.67	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.95	8.62	0.690	ok	0.696	0.636-0.756
Methylene chloride	6.54	8.62	0.759	ok	0.759	0.699-0.819
Methyl ethyl ketone	8.07	8.62	0.936	ok	0.939	0.879-0.999
Methyl Isobutyl Ketone	12.00	10.43	1.151	ok	1.151	1.091-1.211
Methyl Tert Butyl Ether	7.73	8.62	0.897	ok	0.898	0.838-0.958
Nonane	15.97	14.67	1.089	ok	1.088	1.028-1.148
Pentane	6.13	8.62	0.711	ok	0.711	0.651-0.771
Propylene	4.00	8.62	0.464	ok	0.464	0.404-0.524
Styrene	15.67	14.67	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.67	8.62	1.122	ok	1.123	1.063-1.183
1,1,2,2-Tetrachloroethane	15.79	14.67	1.076	ok	1.077	1.017-1.137
1,1,2-Trichloroethane	12.62	10.43	1.210	ok	1.210	1.150-1.270
1,2,4-Trichlorobenzene	20.27	14.67	1.382	ok	1.382	1.322-1.442
1,2,4-Trimethylbenzene	17.72	14.67	1.208	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.25	14.67	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.12	10.43	1.066	ok	1.066	1.006-1.126
Tertiary Butyl Alcohol	6.56	8.62	0.761	ok	0.767	0.707-0.827
Tetrachloroethylene	14.01	14.67	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	9.18	8.62	1.065	ok	1.066	1.006-1.126
Toluene	12.88	10.43	1.235	ok	1.235	1.175-1.295
Trichloroethylene	11.11	10.43	1.065	ok	1.065	1.005-1.125
Trichlorofluoromethane	5.79	8.62	0.672	ok	0.671	0.611-0.731
Vinyl chloride	4.45	8.62	0.516	ok	0.516	0.456-0.576
Vinyl Acetate	7.79	8.62	0.904	ok	0.905	0.845-0.965
m,p-Xylene	15.28	14.67	1.042	ok	1.041	0.981-1.101
o-Xylene	15.78	14.67	1.076	ok	1.076	1.016-1.136

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

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66993
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

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

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.69	8.62	0.660	ok	0.658	0.598-0.718
1,3-Butadiene	4.58	8.62	0.531	ok	0.531	0.471-0.591
Benzene	10.12	10.43	0.970	ok	0.970	0.910-1.030
Bromodichloromethane	11.08	10.43	1.062	ok	1.062	1.002-1.122
Bromoform	15.39	14.67	1.049	ok	1.050	0.990-1.110
Bromomethane	4.86	8.62	0.564	ok	0.563	0.503-0.623
Bromoethene	5.39	8.62	0.625	ok	0.624	0.564-0.684
Benzyl Chloride	17.89	14.67	1.219	ok	1.219	1.159-1.279
Carbon disulfide	6.85	8.62	0.795	ok	0.794	0.734-0.854
Chlorobenzene	14.71	14.67	1.003	ok	1.003	0.943-1.063
Chloroethane	5.03	8.62	0.584	ok	0.583	0.523-0.643
Chloroform	8.74	8.62	1.014	ok	1.014	0.954-1.074
Chloromethane	4.24	8.62	0.492	ok	0.491	0.431-0.551
3-Chloropropene	6.66	8.62	0.773	ok	0.772	0.712-0.832
2-Chlorotoluene	16.98	14.67	1.157	ok	1.158	1.098-1.218
Carbon tetrachloride	10.25	8.62	1.189	ok	1.190	1.130-1.250
Cyclohexane	10.37	10.43	0.994	ok	0.993	0.933-1.053
1,1-Dichloroethane	7.65	8.62	0.887	ok	0.887	0.827-0.947
1,1-Dichloroethylene	6.42	8.62	0.745	ok	0.745	0.685-0.805
1,2-Dibromoethane	13.57	14.67	0.925	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.45	8.62	1.096	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.90	10.43	1.045	ok	1.044	0.984-1.104
1,4-Dioxane	11.22	10.43	1.076	ok	1.074	1.014-1.134
Dichlorodifluoromethane	4.06	8.62	0.471	ok	0.472	0.412-0.532
Dibromochloromethane	13.32	14.67	0.908	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.45	8.62	0.864	ok	0.864	0.804-0.924
cis-1,2-Dichloroethylene	8.45	8.62	0.980	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.93	10.43	1.144	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.90	14.67	1.220	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.37	14.67	1.252	ok	1.252	1.192-1.312
p-Dichlorobenzene	17.98	14.67	1.226	ok	1.226	1.166-1.286
trans-1,3-Dichloropropene	12.44	10.43	1.193	ok	1.193	1.133-1.253
Ethanol	5.25	8.62	0.609	ok	0.608	0.548-0.668
Ethylbenzene	15.09	14.67	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.71	8.62	1.010	ok	1.010	0.950-1.070
4-Ethyltoluene	17.16	14.67	1.170	ok	1.170	1.110-1.230
Freon 113	6.79	8.62	0.788	ok	0.787	0.727-0.847
Freon 114	4.32	8.62	0.501	ok	0.501	0.441-0.561
Heptane	11.36	10.43	1.089	ok	1.088	1.028-1.148
Hexane	8.63	8.62	1.001	ok	1.001	0.941-1.061
2-Hexanone	13.19	14.67	0.899	ok	0.899	0.839-0.959

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66993
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

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

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Isopropylbenzene	16.42	14.67	1.119	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.98	8.62	0.694	ok	0.696	0.636-0.756
Methylene chloride	6.55	8.62	0.760	ok	0.759	0.699-0.819
Methyl ethyl ketone	8.09	8.62	0.939	ok	0.939	0.879-0.999
Methyl Isobutyl Ketone	12.01	10.43	1.151	ok	1.151	1.091-1.211
Methyl Tert Butyl Ether	7.74	8.62	0.898	ok	0.898	0.838-0.958
Nonane	15.97	14.67	1.089	ok	1.088	1.028-1.148
Pentane	6.14	8.62	0.712	ok	0.711	0.651-0.771
Propylene	4.00	8.62	0.464	ok	0.464	0.404-0.524
Styrene	15.67	14.67	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.67	8.62	1.122	ok	1.123	1.063-1.183
1,1,2,2-Tetrachloroethane	15.78	14.67	1.076	ok	1.077	1.017-1.137
1,1,2-Trichloroethane	12.61	10.43	1.209	ok	1.210	1.150-1.270
1,2,4-Trichlorobenzene	20.28	14.67	1.382	ok	1.382	1.322-1.442
1,2,4-Trimethylbenzene	17.72	14.67	1.208	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.25	14.67	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.12	10.43	1.066	ok	1.066	1.006-1.126
Tertiary Butyl Alcohol	6.59	8.62	0.765	ok	0.767	0.707-0.827
Tetrachloroethylene	14.01	14.67	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	9.21	8.62	1.068	ok	1.066	1.006-1.126
Toluene	12.88	10.43	1.235	ok	1.235	1.175-1.295
Trichloroethylene	11.11	10.43	1.065	ok	1.065	1.005-1.125
Trichlorofluoromethane	5.79	8.62	0.672	ok	0.671	0.611-0.731
Vinyl chloride	4.45	8.62	0.516	ok	0.516	0.456-0.576
Vinyl Acetate	7.80	8.62	0.905	ok	0.905	0.845-0.965
m,p-Xylene	15.28	14.67	1.042	ok	1.041	0.981-1.101
o-Xylene	15.78	14.67	1.076	ok	1.076	1.016-1.136

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

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66993
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ214-IC214	Q3977.D	07/16/07 16:53	DFT	40	GCMSQ	TO-15	Reporting this level
MSQ214-IC214	Q3978.D	07/16/07 17:36	DFT	20	GCMSQ	TO-15	
MSQ214-ICC214	Q3979.D	07/16/07 18:18	DFT	10	GCMSQ	TO-15	
MSQ214-IC214	Q3980.D	07/16/07 19:01	DFT	5	GCMSQ	TO-15	
MSQ214-IC214	Q3981.D	07/16/07 19:44	DFT	2	GCMSQ	TO-15	
MSQ214-IC214	Q3982.D	07/16/07 20:26	DFT	0.5	GCMSQ	TO-15	
MSQ214-IC214	Q3983.D	07/16/07 21:09	DFT	0.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.59	8.63	0.648	ok	0.649	0.589-0.709
1,3-Butadiene	4.56	8.63	0.528	ok	0.528	0.468-0.588
Benzene	10.15	10.46	0.970	ok	0.970	0.910-1.030
Bromodichloromethane	11.11	10.46	1.062	ok	1.062	1.002-1.122
Bromoform	15.43	14.71	1.049	ok	1.049	0.989-1.109
Bromomethane	4.84	8.63	0.561	ok	0.560	0.500-0.620
Bromoethene	5.37	8.63	0.622	ok	0.622	0.562-0.682
Benzyl Chloride	17.92	14.71	1.218	ok	1.219	1.159-1.279
Carbon disulfide	6.86	8.63	0.795	ok	0.795	0.735-0.855
Chlorobenzene	14.75	14.71	1.003	ok	1.003	0.943-1.063
Chloroethane	5.01	8.63	0.581	ok	0.580	0.520-0.640
Chloroform	8.76	8.63	1.015	ok	1.014	0.954-1.074
Chloromethane	4.20	8.63	0.487	ok	0.486	0.426-0.546
3-Chloropropene	6.66	8.63	0.772	ok	0.772	0.712-0.832
2-Chlorotoluene	17.02	14.71	1.157	ok	1.158	1.098-1.218
Carbon tetrachloride	10.29	8.63	1.192	ok	1.192	1.132-1.252
Cyclohexane	10.41	10.46	0.995	ok	0.996	0.936-1.056
1,1-Dichloroethane	7.67	8.63	0.889	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.43	8.63	0.745	ok	0.744	0.684-0.804
1,2-Dibromoethane	13.60	14.71	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	10.93	10.46	1.045	ok	1.044	0.984-1.104
1,4-Dioxane	11.13	10.46	1.064	ok	1.065	1.005-1.125
Dichlorodifluoromethane	4.03	8.63	0.467	ok	0.468	0.408-0.528
Dibromochloromethane	13.35	14.71	0.908	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.47	8.63	0.866	ok	0.865	0.805-0.925
cis-1,2-Dichloroethylene	8.47	8.63	0.981	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.96	10.46	1.143	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.94	14.71	1.220	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.40	14.71	1.251	ok	1.251	1.191-1.311
p-Dichlorobenzene	18.02	14.71	1.225	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.47	10.46	1.192	ok	1.192	1.132-1.252
Ethanol	5.10	8.63	0.591	ok	0.591	0.531-0.651
Ethylbenzene	15.13	14.71	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.66	8.63	1.003	ok	1.004	0.944-1.064
4-Ethyltoluene	17.21	14.71	1.170	ok	1.171	1.111-1.231
Freon 113	6.80	8.63	0.788	ok	0.788	0.728-0.848
Freon 114	4.30	8.63	0.498	ok	0.498	0.438-0.558
Heptane	11.41	10.46	1.091	ok	1.091	1.031-1.151
Hexachlorobutadiene	20.80	14.71	1.414	ok	1.415	1.355-1.475
Hexane	8.67	8.63	1.005	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66993
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ214-IC214	Q3977.D	07/16/07 16:53	DFT	40	GCMSQ	TO-15	Reporting this level
MSQ214-IC214	Q3978.D	07/16/07 17:36	DFT	20	GCMSQ	TO-15	
MSQ214-ICC214	Q3979.D	07/16/07 18:18	DFT	10	GCMSQ	TO-15	
MSQ214-IC214	Q3980.D	07/16/07 19:01	DFT	5	GCMSQ	TO-15	
MSQ214-IC214	Q3981.D	07/16/07 19:44	DFT	2	GCMSQ	TO-15	
MSQ214-IC214	Q3982.D	07/16/07 20:26	DFT	0.5	GCMSQ	TO-15	
MSQ214-IC214	Q3983.D	07/16/07 21:09	DFT	0.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.15	14.71	0.894	ok	0.894	0.834-0.954
Isopropylbenzene	16.47	14.71	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.83	8.63	0.676	ok	0.676	0.616-0.736
Methylene chloride	6.54	8.63	0.758	ok	0.758	0.698-0.818
Methyl ethyl ketone	8.03	8.63	0.930	ok	0.931	0.871-0.991
Methyl Isobutyl Ketone	11.98	10.46	1.145	ok	1.146	1.086-1.206
Methyl Tert Butyl Ether	7.71	8.63	0.893	ok	0.894	0.834-0.954
Nonane	16.03	14.71	1.090	ok	1.090	1.030-1.150
Pentane	6.14	8.63	0.711	ok	0.712	0.652-0.772
Propylene	3.97	8.63	0.460	ok	0.460	0.400-0.520
Styrene	15.71	14.71	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.71	8.63	1.125	ok	1.125	1.065-1.185
1,1,2,2-Tetrachloroethane	15.81	14.71	1.075	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	12.65	10.46	1.209	ok	1.209	1.149-1.269
1,2,4-Trichlorobenzene	20.31	14.71	1.381	ok	1.381	1.321-1.441
1,2,4-Trimethylbenzene	17.76	14.71	1.207	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.30	14.71	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.17	10.46	1.068	ok	1.068	1.008-1.128
Tertiary Butyl Alcohol	6.43	8.63	0.745	ok	0.746	0.686-0.806
Tetrachloroethylene	14.06	14.71	0.956	ok	0.956	0.896-1.016
Tetrahydrofuran	9.14	8.63	1.059	ok	1.060	1.000-1.120
Toluene	12.93	10.46	1.236	ok	1.235	1.175-1.295
Trichloroethylene	11.15	10.46	1.066	ok	1.066	1.006-1.126
Trichlorofluoromethane	5.79	8.63	0.671	ok	0.671	0.611-0.731
Vinyl chloride	4.42	8.63	0.512	ok	0.512	0.452-0.572
Vinyl Acetate	7.79	8.63	0.903	ok	0.903	0.843-0.963
m,p-Xylene	15.33	14.71	1.042	ok	1.042	0.982-1.102
o-Xylene	15.83	14.71	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	209689	ok	206550	123930-289170
1,4-Difluorobenzene	10.46	ok	10.46	10.13-10.79	900241	ok	933706	560224-1307188
Chlorobenzene-D5	14.71	ok	14.70	14.37-15.03	823235	ok	816411	489847-1142975

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66993
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ214-IC214	Q3977.D	07/16/07 16:53	DFT	40	GCMSQ	TO-15	
MSQ214-IC214	Q3978.D	07/16/07 17:36	DFT	20	GCMSQ	TO-15	Reporting this level
MSQ214-ICC214	Q3979.D	07/16/07 18:18	DFT	10	GCMSQ	TO-15	
MSQ214-IC214	Q3980.D	07/16/07 19:01	DFT	5	GCMSQ	TO-15	
MSQ214-IC214	Q3981.D	07/16/07 19:44	DFT	2	GCMSQ	TO-15	
MSQ214-IC214	Q3982.D	07/16/07 20:26	DFT	0.5	GCMSQ	TO-15	
MSQ214-IC214	Q3983.D	07/16/07 21:09	DFT	0.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.59	8.63	0.648	ok	0.649	0.589-0.709
1,3-Butadiene	4.56	8.63	0.528	ok	0.528	0.468-0.588
Benzene	10.15	10.46	0.970	ok	0.970	0.910-1.030
Bromodichloromethane	11.11	10.46	1.062	ok	1.062	1.002-1.122
Bromoform	15.43	14.70	1.050	ok	1.049	0.989-1.109
Bromomethane	4.83	8.63	0.560	ok	0.560	0.500-0.620
Bromoethene	5.37	8.63	0.622	ok	0.622	0.562-0.682
Benzyl Chloride	17.92	14.70	1.219	ok	1.219	1.159-1.279
Carbon disulfide	6.86	8.63	0.795	ok	0.795	0.735-0.855
Chlorobenzene	14.75	14.70	1.003	ok	1.003	0.943-1.063
Chloroethane	5.01	8.63	0.581	ok	0.580	0.520-0.640
Chloroform	8.75	8.63	1.014	ok	1.014	0.954-1.074
Chloromethane	4.20	8.63	0.487	ok	0.486	0.426-0.546
3-Chloropropene	6.66	8.63	0.772	ok	0.772	0.712-0.832
2-Chlorotoluene	17.02	14.70	1.158	ok	1.158	1.098-1.218
Carbon tetrachloride	10.29	8.63	1.192	ok	1.192	1.132-1.252
Cyclohexane	10.41	10.46	0.995	ok	0.996	0.936-1.056
1,1-Dichloroethane	7.66	8.63	0.888	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.42	8.63	0.744	ok	0.744	0.684-0.804
1,2-Dibromoethane	13.60	14.70	0.925	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.46	8.63	1.096	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.92	10.46	1.044	ok	1.044	0.984-1.104
1,4-Dioxane	11.13	10.46	1.064	ok	1.065	1.005-1.125
Dichlorodifluoromethane	4.03	8.63	0.467	ok	0.468	0.408-0.528
Dibromochloromethane	13.35	14.70	0.908	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.47	8.63	0.866	ok	0.865	0.805-0.925
cis-1,2-Dichloroethylene	8.47	8.63	0.981	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.96	10.46	1.143	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.94	14.70	1.220	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.40	14.70	1.252	ok	1.251	1.191-1.311
p-Dichlorobenzene	18.01	14.70	1.225	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.46	10.46	1.191	ok	1.192	1.132-1.252
Ethanol	5.10	8.63	0.591	ok	0.591	0.531-0.651
Ethylbenzene	15.13	14.70	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.67	8.63	1.005	ok	1.004	0.944-1.064
4-Ethyltoluene	17.21	14.70	1.171	ok	1.171	1.111-1.231
Freon 113	6.80	8.63	0.788	ok	0.788	0.728-0.848
Freon 114	4.30	8.63	0.498	ok	0.498	0.438-0.558
Heptane	11.41	10.46	1.091	ok	1.091	1.031-1.151
Hexachlorobutadiene	20.80	14.70	1.415	ok	1.415	1.355-1.475
Hexane	8.67	8.63	1.005	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66993
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ214-IC214	Q3977.D	07/16/07 16:53	DFT	40	GCMSQ	TO-15	
MSQ214-IC214	Q3978.D	07/16/07 17:36	DFT	20	GCMSQ	TO-15	Reporting this level
MSQ214-ICC214	Q3979.D	07/16/07 18:18	DFT	10	GCMSQ	TO-15	
MSQ214-IC214	Q3980.D	07/16/07 19:01	DFT	5	GCMSQ	TO-15	
MSQ214-IC214	Q3981.D	07/16/07 19:44	DFT	2	GCMSQ	TO-15	
MSQ214-IC214	Q3982.D	07/16/07 20:26	DFT	0.5	GCMSQ	TO-15	
MSQ214-IC214	Q3983.D	07/16/07 21:09	DFT	0.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.14	14.70	0.894	ok	0.894	0.834-0.954
Isopropylbenzene	16.47	14.70	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.82	8.63	0.674	ok	0.676	0.616-0.736
Methylene chloride	6.54	8.63	0.758	ok	0.758	0.698-0.818
Methyl ethyl ketone	8.03	8.63	0.930	ok	0.931	0.871-0.991
Methyl Isobutyl Ketone	11.98	10.46	1.145	ok	1.146	1.086-1.206
Methyl Tert Butyl Ether	7.71	8.63	0.893	ok	0.894	0.834-0.954
Nonane	16.03	14.70	1.090	ok	1.090	1.030-1.150
Pentane	6.14	8.63	0.711	ok	0.712	0.652-0.772
Propylene	3.97	8.63	0.460	ok	0.460	0.400-0.520
Styrene	15.71	14.70	1.069	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.71	8.63	1.125	ok	1.125	1.065-1.185
1,1,2,2-Tetrachloroethane	15.81	14.70	1.076	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	12.64	10.46	1.208	ok	1.209	1.149-1.269
1,2,4-Trichlorobenzene	20.31	14.70	1.382	ok	1.381	1.321-1.441
1,2,4-Trimethylbenzene	17.76	14.70	1.208	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.29	14.70	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.17	10.46	1.068	ok	1.068	1.008-1.128
Tertiary Butyl Alcohol	6.43	8.63	0.745	ok	0.746	0.686-0.806
Tetrachloroethylene	14.06	14.70	0.956	ok	0.956	0.896-1.016
Tetrahydrofuran	9.14	8.63	1.059	ok	1.060	1.000-1.120
Toluene	12.92	10.46	1.235	ok	1.235	1.175-1.295
Trichloroethylene	11.14	10.46	1.065	ok	1.066	1.006-1.126
Trichlorofluoromethane	5.79	8.63	0.671	ok	0.671	0.611-0.731
Vinyl chloride	4.42	8.63	0.512	ok	0.512	0.452-0.572
Vinyl Acetate	7.79	8.63	0.903	ok	0.903	0.843-0.963
m,p-Xylene	15.32	14.70	1.042	ok	1.042	0.982-1.102
o-Xylene	15.82	14.70	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.63	ok	8.63	8.30-8.96	221510	ok	206550	123930-289170
1,4-Difluorobenzene	10.46	ok	10.46	10.13-10.79	1017396	ok	933706	560224-1307188
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	906135	ok	816411	489847-1142975

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66993
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ214-IC214	Q3977.D	07/16/07 16:53	DFT	40	GCMSQ	TO-15	
MSQ214-IC214	Q3978.D	07/16/07 17:36	DFT	20	GCMSQ	TO-15	
MSQ214-ICC214	Q3979.D	07/16/07 18:18	DFT	10	GCMSQ	TO-15	Reporting this level
MSQ214-IC214	Q3980.D	07/16/07 19:01	DFT	5	GCMSQ	TO-15	
MSQ214-IC214	Q3981.D	07/16/07 19:44	DFT	2	GCMSQ	TO-15	
MSQ214-IC214	Q3982.D	07/16/07 20:26	DFT	0.5	GCMSQ	TO-15	
MSQ214-IC214	Q3983.D	07/16/07 21:09	DFT	0.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.60	8.63	0.649	ok	0.649	0.589-0.709
1,3-Butadiene	4.56	8.63	0.528	ok	0.528	0.468-0.588
Benzene	10.15	10.46	0.970	ok	0.970	0.910-1.030
Bromodichloromethane	11.11	10.46	1.062	ok	1.062	1.002-1.122
Bromoform	15.42	14.71	1.048	ok	1.049	0.989-1.109
Bromomethane	4.83	8.63	0.560	ok	0.560	0.500-0.620
Bromoethene	5.37	8.63	0.622	ok	0.622	0.562-0.682
Benzyl Chloride	17.92	14.71	1.218	ok	1.219	1.159-1.279
Carbon disulfide	6.86	8.63	0.795	ok	0.795	0.735-0.855
Chlorobenzene	14.75	14.71	1.003	ok	1.003	0.943-1.063
Chloroethane	5.01	8.63	0.581	ok	0.580	0.520-0.640
Chloroform	8.75	8.63	1.014	ok	1.014	0.954-1.074
Chloromethane	4.20	8.63	0.487	ok	0.486	0.426-0.546
3-Chloropropene	6.66	8.63	0.772	ok	0.772	0.712-0.832
2-Chlorotoluene	17.02	14.71	1.157	ok	1.158	1.098-1.218
Carbon tetrachloride	10.29	8.63	1.192	ok	1.192	1.132-1.252
Cyclohexane	10.41	10.46	0.995	ok	0.996	0.936-1.056
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	14.71	0.925	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.46	8.63	1.096	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.92	10.46	1.044	ok	1.044	0.984-1.104
1,4-Dioxane	11.14	10.46	1.065	ok	1.065	1.005-1.125
Dichlorodifluoromethane	4.03	8.63	0.467	ok	0.468	0.408-0.528
Dibromochloromethane	13.35	14.71	0.908	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.47	8.63	0.866	ok	0.865	0.805-0.925
cis-1,2-Dichloroethylene	8.47	8.63	0.981	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.96	10.46	1.143	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.94	14.71	1.220	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.40	14.71	1.251	ok	1.251	1.191-1.311
p-Dichlorobenzene	18.01	14.71	1.224	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	5.09	8.63	0.590	ok	0.591	0.531-0.651
Ethylbenzene	15.13	14.71	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.66	8.63	1.003	ok	1.004	0.944-1.064
4-Ethyltoluene	17.21	14.71	1.170	ok	1.171	1.111-1.231
Freon 113	6.80	8.63	0.788	ok	0.788	0.728-0.848
Freon 114	4.29	8.63	0.497	ok	0.498	0.438-0.558
Heptane	11.41	10.46	1.091	ok	1.091	1.031-1.151
Hexachlorobutadiene	20.80	14.71	1.414	ok	1.415	1.355-1.475
Hexane	8.67	8.63	1.005	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66993
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ214-IC214	Q3977.D	07/16/07 16:53	DFT	40	GCMSQ	TO-15	
MSQ214-IC214	Q3978.D	07/16/07 17:36	DFT	20	GCMSQ	TO-15	
MSQ214-ICC214	Q3979.D	07/16/07 18:18	DFT	10	GCMSQ	TO-15	Reporting this level
MSQ214-IC214	Q3980.D	07/16/07 19:01	DFT	5	GCMSQ	TO-15	
MSQ214-IC214	Q3981.D	07/16/07 19:44	DFT	2	GCMSQ	TO-15	
MSQ214-IC214	Q3982.D	07/16/07 20:26	DFT	0.5	GCMSQ	TO-15	
MSQ214-IC214	Q3983.D	07/16/07 21:09	DFT	0.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.15	14.71	0.894	ok	0.894	0.834-0.954
Isopropylbenzene	16.47	14.71	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.82	8.63	0.674	ok	0.676	0.616-0.736
Methylene chloride	6.54	8.63	0.758	ok	0.758	0.698-0.818
Methyl ethyl ketone	8.03	8.63	0.930	ok	0.931	0.871-0.991
Methyl Isobutyl Ketone	11.98	10.46	1.145	ok	1.146	1.086-1.206
Methyl Tert Butyl Ether	7.71	8.63	0.893	ok	0.894	0.834-0.954
Nonane	16.03	14.71	1.090	ok	1.090	1.030-1.150
Pentane	6.14	8.63	0.711	ok	0.712	0.652-0.772
Propylene	3.97	8.63	0.460	ok	0.460	0.400-0.520
Styrene	15.70	14.71	1.067	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.71	8.63	1.125	ok	1.125	1.065-1.185
1,1,2,2-Tetrachloroethane	15.81	14.71	1.075	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	12.64	10.46	1.208	ok	1.209	1.149-1.269
1,2,4-Trichlorobenzene	20.31	14.71	1.381	ok	1.381	1.321-1.441
1,2,4-Trimethylbenzene	17.76	14.71	1.207	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.29	14.71	1.175	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.17	10.46	1.068	ok	1.068	1.008-1.128
Tertiary Butyl Alcohol	6.43	8.63	0.745	ok	0.746	0.686-0.806
Tetrachloroethylene	14.06	14.71	0.956	ok	0.956	0.896-1.016
Tetrahydrofuran	9.14	8.63	1.059	ok	1.060	1.000-1.120
Toluene	12.92	10.46	1.235	ok	1.235	1.175-1.295
Trichloroethylene	11.15	10.46	1.066	ok	1.066	1.006-1.126
Trichlorofluoromethane	5.79	8.63	0.671	ok	0.671	0.611-0.731
Vinyl chloride	4.42	8.63	0.512	ok	0.512	0.452-0.572
Vinyl Acetate	7.79	8.63	0.903	ok	0.903	0.843-0.963
m,p-Xylene	15.33	14.71	1.042	ok	1.042	0.982-1.102
o-Xylene	15.82	14.71	1.075	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	220494	ok	206550	123930-289170
1,4-Difluorobenzene	10.46	ok	10.46	10.13-10.79	1001449	ok	933706	560224-1307188
Chlorobenzene-D5	14.71	ok	14.70	14.37-15.03	880366	ok	816411	489847-1142975

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66993
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ214-IC214	Q3977.D	07/16/07 16:53	DFT	40	GCMSQ	TO-15	
MSQ214-IC214	Q3978.D	07/16/07 17:36	DFT	20	GCMSQ	TO-15	
MSQ214-ICC214	Q3979.D	07/16/07 18:18	DFT	10	GCMSQ	TO-15	
MSQ214-IC214	Q3980.D	07/16/07 19:01	DFT	5	GCMSQ	TO-15	Reporting this level
MSQ214-IC214	Q3981.D	07/16/07 19:44	DFT	2	GCMSQ	TO-15	
MSQ214-IC214	Q3982.D	07/16/07 20:26	DFT	0.5	GCMSQ	TO-15	
MSQ214-IC214	Q3983.D	07/16/07 21:09	DFT	0.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.60	8.63	0.649	ok	0.649	0.589-0.709
1,3-Butadiene	4.56	8.63	0.528	ok	0.528	0.468-0.588
Benzene	10.15	10.46	0.970	ok	0.970	0.910-1.030
Bromodichloromethane	11.11	10.46	1.062	ok	1.062	1.002-1.122
Bromoform	15.43	14.70	1.050	ok	1.049	0.989-1.109
Bromomethane	4.84	8.63	0.561	ok	0.560	0.500-0.620
Bromoethene	5.37	8.63	0.622	ok	0.622	0.562-0.682
Benzyl Chloride	17.92	14.70	1.219	ok	1.219	1.159-1.279
Carbon disulfide	6.86	8.63	0.795	ok	0.795	0.735-0.855
Chlorobenzene	14.75	14.70	1.003	ok	1.003	0.943-1.063
Chloroethane	5.01	8.63	0.581	ok	0.580	0.520-0.640
Chloroform	8.75	8.63	1.014	ok	1.014	0.954-1.074
Chloromethane	4.19	8.63	0.486	ok	0.486	0.426-0.546
3-Chloropropene	6.66	8.63	0.772	ok	0.772	0.712-0.832
2-Chlorotoluene	17.02	14.70	1.158	ok	1.158	1.098-1.218
Carbon tetrachloride	10.29	8.63	1.192	ok	1.192	1.132-1.252
Cyclohexane	10.41	10.46	0.995	ok	0.996	0.936-1.056
1,1-Dichloroethane	7.67	8.63	0.889	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.43	8.63	0.745	ok	0.744	0.684-0.804
1,2-Dibromoethane	13.60	14.70	0.925	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.46	8.63	1.096	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.92	10.46	1.044	ok	1.044	0.984-1.104
1,4-Dioxane	11.14	10.46	1.065	ok	1.065	1.005-1.125
Dichlorodifluoromethane	4.04	8.63	0.468	ok	0.468	0.408-0.528
Dibromochloromethane	13.35	14.70	0.908	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.47	8.63	0.866	ok	0.865	0.805-0.925
cis-1,2-Dichloroethylene	8.47	8.63	0.981	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.96	10.46	1.143	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.94	14.70	1.220	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.40	14.70	1.252	ok	1.251	1.191-1.311
p-Dichlorobenzene	18.01	14.70	1.225	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.46	10.46	1.191	ok	1.192	1.132-1.252
Ethanol	5.10	8.63	0.591	ok	0.591	0.531-0.651
Ethylbenzene	15.13	14.70	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.66	8.63	1.003	ok	1.004	0.944-1.064
4-Ethyltoluene	17.21	14.70	1.171	ok	1.171	1.111-1.231
Freon 113	6.80	8.63	0.788	ok	0.788	0.728-0.848
Freon 114	4.30	8.63	0.498	ok	0.498	0.438-0.558
Heptane	11.41	10.46	1.091	ok	1.091	1.031-1.151
Hexachlorobutadiene	20.79	14.70	1.414	ok	1.415	1.355-1.475
Hexane	8.67	8.63	1.005	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66993
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ214-IC214	Q3977.D	07/16/07 16:53	DFT	40	GCMSQ	TO-15	
MSQ214-IC214	Q3978.D	07/16/07 17:36	DFT	20	GCMSQ	TO-15	
MSQ214-ICC214	Q3979.D	07/16/07 18:18	DFT	10	GCMSQ	TO-15	
MSQ214-IC214	Q3980.D	07/16/07 19:01	DFT	5	GCMSQ	TO-15	Reporting this level
MSQ214-IC214	Q3981.D	07/16/07 19:44	DFT	2	GCMSQ	TO-15	
MSQ214-IC214	Q3982.D	07/16/07 20:26	DFT	0.5	GCMSQ	TO-15	
MSQ214-IC214	Q3983.D	07/16/07 21:09	DFT	0.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.15	14.70	0.895	ok	0.894	0.834-0.954
Isopropylbenzene	16.47	14.70	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.83	8.63	0.676	ok	0.676	0.616-0.736
Methylene chloride	6.54	8.63	0.758	ok	0.758	0.698-0.818
Methyl ethyl ketone	8.04	8.63	0.932	ok	0.931	0.871-0.991
Methyl Isobutyl Ketone	11.98	10.46	1.145	ok	1.146	1.086-1.206
Methyl Tert Butyl Ether	7.71	8.63	0.893	ok	0.894	0.834-0.954
Nonane	16.02	14.70	1.090	ok	1.090	1.030-1.150
Pentane	6.14	8.63	0.711	ok	0.712	0.652-0.772
Propylene	3.96	8.63	0.459	ok	0.460	0.400-0.520
Styrene	15.70	14.70	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.71	8.63	1.125	ok	1.125	1.065-1.185
1,1,2,2-Tetrachloroethane	15.81	14.70	1.076	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	12.65	10.46	1.209	ok	1.209	1.149-1.269
1,2,4-Trichlorobenzene	20.31	14.70	1.382	ok	1.381	1.321-1.441
1,2,4-Trimethylbenzene	17.76	14.70	1.208	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.29	14.70	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.17	10.46	1.068	ok	1.068	1.008-1.128
Tertiary Butyl Alcohol	6.44	8.63	0.746	ok	0.746	0.686-0.806
Tetrachloroethylene	14.06	14.70	0.956	ok	0.956	0.896-1.016
Tetrahydrofuran	9.14	8.63	1.059	ok	1.060	1.000-1.120
Toluene	12.93	10.46	1.236	ok	1.235	1.175-1.295
Trichloroethylene	11.14	10.46	1.065	ok	1.066	1.006-1.126
Trichlorofluoromethane	5.79	8.63	0.671	ok	0.671	0.611-0.731
Vinyl chloride	4.42	8.63	0.512	ok	0.512	0.452-0.572
Vinyl Acetate	7.79	8.63	0.903	ok	0.903	0.843-0.963
m,p-Xylene	15.32	14.70	1.042	ok	1.042	0.982-1.102
o-Xylene	15.82	14.70	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.63	ok	8.63	8.30-8.96	205904	ok	206550	123930-289170
1,4-Difluorobenzene	10.46	ok	10.46	10.13-10.79	947064	ok	933706	560224-1307188
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	825944	ok	816411	489847-1142975

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66993
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ214-IC214	Q3977.D	07/16/07 16:53	DFT	40	GCMSQ	TO-15	
MSQ214-IC214	Q3978.D	07/16/07 17:36	DFT	20	GCMSQ	TO-15	
MSQ214-ICC214	Q3979.D	07/16/07 18:18	DFT	10	GCMSQ	TO-15	
MSQ214-IC214	Q3980.D	07/16/07 19:01	DFT	5	GCMSQ	TO-15	
MSQ214-IC214	Q3981.D	07/16/07 19:44	DFT	2	GCMSQ	TO-15	Reporting this level
MSQ214-IC214	Q3982.D	07/16/07 20:26	DFT	0.5	GCMSQ	TO-15	
MSQ214-IC214	Q3983.D	07/16/07 21:09	DFT	0.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.61	8.63	0.650	ok	0.649	0.589-0.709
1,3-Butadiene	4.56	8.63	0.528	ok	0.528	0.468-0.588
Benzene	10.15	10.46	0.970	ok	0.970	0.910-1.030
Bromodichloromethane	11.11	10.46	1.062	ok	1.062	1.002-1.122
Bromoform	15.42	14.70	1.049	ok	1.049	0.989-1.109
Bromomethane	4.84	8.63	0.561	ok	0.560	0.500-0.620
Bromoethene	5.37	8.63	0.622	ok	0.622	0.562-0.682
Benzyl Chloride	17.92	14.70	1.219	ok	1.219	1.159-1.279
Carbon disulfide	6.86	8.63	0.795	ok	0.795	0.735-0.855
Chlorobenzene	14.75	14.70	1.003	ok	1.003	0.943-1.063
Chloroethane	5.01	8.63	0.581	ok	0.580	0.520-0.640
Chloroform	8.75	8.63	1.014	ok	1.014	0.954-1.074
Chloromethane	4.20	8.63	0.487	ok	0.486	0.426-0.546
3-Chloropropene	6.65	8.63	0.771	ok	0.772	0.712-0.832
2-Chlorotoluene	17.02	14.70	1.158	ok	1.158	1.098-1.218
Carbon tetrachloride	10.29	8.63	1.192	ok	1.192	1.132-1.252
Cyclohexane	10.42	10.46	0.996	ok	0.996	0.936-1.056
1,1-Dichloroethane	7.66	8.63	0.888	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.42	8.63	0.744	ok	0.744	0.684-0.804
1,2-Dibromoethane	13.60	14.70	0.925	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.47	8.63	1.097	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.93	10.46	1.045	ok	1.044	0.984-1.104
1,4-Dioxane	11.14	10.46	1.065	ok	1.065	1.005-1.125
Dichlorodifluoromethane	4.04	8.63	0.468	ok	0.468	0.408-0.528
Dibromochloromethane	13.35	14.70	0.908	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.47	8.63	0.866	ok	0.865	0.805-0.925
cis-1,2-Dichloroethylene	8.47	8.63	0.981	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.96	10.46	1.143	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.94	14.70	1.220	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.40	14.70	1.252	ok	1.251	1.191-1.311
p-Dichlorobenzene	18.01	14.70	1.225	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.47	10.46	1.192	ok	1.192	1.132-1.252
Ethanol	5.10	8.63	0.591	ok	0.591	0.531-0.651
Ethylbenzene	15.13	14.70	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.67	8.63	1.005	ok	1.004	0.944-1.064
4-Ethyltoluene	17.21	14.70	1.171	ok	1.171	1.111-1.231
Freon 113	6.80	8.63	0.788	ok	0.788	0.728-0.848
Freon 114	4.30	8.63	0.498	ok	0.498	0.438-0.558
Heptane	11.41	10.46	1.091	ok	1.091	1.031-1.151
Hexachlorobutadiene	20.80	14.70	1.415	ok	1.415	1.355-1.475
Hexane	8.67	8.63	1.005	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66993
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ214-IC214	Q3977.D	07/16/07 16:53	DFT	40	GCMSQ	TO-15	
MSQ214-IC214	Q3978.D	07/16/07 17:36	DFT	20	GCMSQ	TO-15	
MSQ214-ICC214	Q3979.D	07/16/07 18:18	DFT	10	GCMSQ	TO-15	
MSQ214-IC214	Q3980.D	07/16/07 19:01	DFT	5	GCMSQ	TO-15	
MSQ214-IC214	Q3981.D	07/16/07 19:44	DFT	2	GCMSQ	TO-15	Reporting this level
MSQ214-IC214	Q3982.D	07/16/07 20:26	DFT	0.5	GCMSQ	TO-15	
MSQ214-IC214	Q3983.D	07/16/07 21:09	DFT	0.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.15	14.70	0.895	ok	0.894	0.834-0.954
Isopropylbenzene	16.47	14.70	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.83	8.63	0.676	ok	0.676	0.616-0.736
Methylene chloride	6.54	8.63	0.758	ok	0.758	0.698-0.818
Methyl ethyl ketone	8.04	8.63	0.932	ok	0.931	0.871-0.991
Methyl Isobutyl Ketone	11.99	10.46	1.146	ok	1.146	1.086-1.206
Methyl Tert Butyl Ether	7.72	8.63	0.895	ok	0.894	0.834-0.954
Nonane	16.02	14.70	1.090	ok	1.090	1.030-1.150
Pentane	6.14	8.63	0.711	ok	0.712	0.652-0.772
Propylene	3.97	8.63	0.460	ok	0.460	0.400-0.520
Styrene	15.70	14.70	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.71	8.63	1.125	ok	1.125	1.065-1.185
1,1,2,2-Tetrachloroethane	15.81	14.70	1.076	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	12.65	10.46	1.209	ok	1.209	1.149-1.269
1,2,4-Trichlorobenzene	20.31	14.70	1.382	ok	1.381	1.321-1.441
1,2,4-Trimethylbenzene	17.76	14.70	1.208	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.29	14.70	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.17	10.46	1.068	ok	1.068	1.008-1.128
Tertiary Butyl Alcohol	6.45	8.63	0.747	ok	0.746	0.686-0.806
Tetrachloroethylene	14.06	14.70	0.956	ok	0.956	0.896-1.016
Tetrahydrofuran	9.15	8.63	1.060	ok	1.060	1.000-1.120
Toluene	12.92	10.46	1.235	ok	1.235	1.175-1.295
Trichloroethylene	11.15	10.46	1.066	ok	1.066	1.006-1.126
Trichlorofluoromethane	5.79	8.63	0.671	ok	0.671	0.611-0.731
Vinyl chloride	4.42	8.63	0.512	ok	0.512	0.452-0.572
Vinyl Acetate	7.79	8.63	0.903	ok	0.903	0.843-0.963
m,p-Xylene	15.30	14.70	1.041	ok	1.042	0.982-1.102
o-Xylene	15.83	14.70	1.077	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.63	ok	8.63	8.30-8.96	202445	ok	206550	123930-289170
1,4-Difluorobenzene	10.46	ok	10.46	10.13-10.79	918040	ok	933706	560224-1307188
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	788203	ok	816411	489847-1142975

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66993
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ214-IC214	Q3977.D	07/16/07 16:53	DFT	40	GCMSQ	TO-15	
MSQ214-IC214	Q3978.D	07/16/07 17:36	DFT	20	GCMSQ	TO-15	
MSQ214-ICC214	Q3979.D	07/16/07 18:18	DFT	10	GCMSQ	TO-15	
MSQ214-IC214	Q3980.D	07/16/07 19:01	DFT	5	GCMSQ	TO-15	
MSQ214-IC214	Q3981.D	07/16/07 19:44	DFT	2	GCMSQ	TO-15	
MSQ214-IC214	Q3982.D	07/16/07 20:26	DFT	0.5	GCMSQ	TO-15	Reporting this level
MSQ214-IC214	Q3983.D	07/16/07 21:09	DFT	0.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.61	8.64	0.649	ok	0.649	0.589-0.709
1,3-Butadiene	4.55	8.64	0.527	ok	0.528	0.468-0.588
Benzene	10.15	10.46	0.970	ok	0.970	0.910-1.030
Bromodichloromethane	11.10	10.46	1.061	ok	1.062	1.002-1.122
Bromoform	15.42	14.70	1.049	ok	1.049	0.989-1.109
Bromomethane	4.83	8.64	0.559	ok	0.560	0.500-0.620
Bromoethene	5.37	8.64	0.622	ok	0.622	0.562-0.682
Benzyl Chloride	17.92	14.70	1.219	ok	1.219	1.159-1.279
Carbon disulfide	6.86	8.64	0.794	ok	0.795	0.735-0.855
Chlorobenzene	14.75	14.70	1.003	ok	1.003	0.943-1.063
Chloroethane	5.01	8.64	0.580	ok	0.580	0.520-0.640
Chloroform	8.75	8.64	1.013	ok	1.014	0.954-1.074
Chloromethane	4.19	8.64	0.485	ok	0.486	0.426-0.546
3-Chloropropene	6.66	8.64	0.771	ok	0.772	0.712-0.832
2-Chlorotoluene	17.02	14.70	1.158	ok	1.158	1.098-1.218
Carbon tetrachloride	10.29	8.64	1.191	ok	1.192	1.132-1.252
Cyclohexane	10.42	10.46	0.996	ok	0.996	0.936-1.056
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	0.744	0.684-0.804
1,2-Dibromoethane	13.60	14.70	0.925	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.46	8.64	1.095	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.92	10.46	1.044	ok	1.044	0.984-1.104
1,4-Dioxane	11.16	10.46	1.067	ok	1.065	1.005-1.125
Dichlorodifluoromethane	4.04	8.64	0.468	ok	0.468	0.408-0.528
Dibromochloromethane	13.35	14.70	0.908	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.47	8.64	0.865	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	11.97	10.46	1.144	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.94	14.70	1.220	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.40	14.70	1.252	ok	1.251	1.191-1.311
p-Dichlorobenzene	18.01	14.70	1.225	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.46	10.46	1.191	ok	1.192	1.132-1.252
Ethanol	5.12	8.64	0.593	ok	0.591	0.531-0.651
Ethylbenzene	15.13	14.70	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.68	8.64	1.005	ok	1.004	0.944-1.064
4-Ethyltoluene	17.21	14.70	1.171	ok	1.171	1.111-1.231
Freon 113	6.80	8.64	0.787	ok	0.788	0.728-0.848
Freon 114	4.30	8.64	0.498	ok	0.498	0.438-0.558
Heptane	11.40	10.46	1.090	ok	1.091	1.031-1.151
Hexachlorobutadiene	20.80	14.70	1.415	ok	1.415	1.355-1.475
Hexane	8.67	8.64	1.003	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66993
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ214-IC214	Q3977.D	07/16/07 16:53	DFT	40	GCMSQ	TO-15	
MSQ214-IC214	Q3978.D	07/16/07 17:36	DFT	20	GCMSQ	TO-15	
MSQ214-ICC214	Q3979.D	07/16/07 18:18	DFT	10	GCMSQ	TO-15	
MSQ214-IC214	Q3980.D	07/16/07 19:01	DFT	5	GCMSQ	TO-15	
MSQ214-IC214	Q3981.D	07/16/07 19:44	DFT	2	GCMSQ	TO-15	
MSQ214-IC214	Q3982.D	07/16/07 20:26	DFT	0.5	GCMSQ	TO-15	Reporting this level
MSQ214-IC214	Q3983.D	07/16/07 21:09	DFT	0.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.16	14.70	0.895	ok	0.894	0.834-0.954
Isopropylbenzene	16.47	14.70	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.85	8.64	0.677	ok	0.676	0.616-0.736
Methylene chloride	6.53	8.64	0.756	ok	0.758	0.698-0.818
Methyl ethyl ketone	8.05	8.64	0.932	ok	0.931	0.871-0.991
Methyl Isobutyl Ketone	11.99	10.46	1.146	ok	1.146	1.086-1.206
Methyl Tert Butyl Ether	7.73	8.64	0.895	ok	0.894	0.834-0.954
Nonane	16.02	14.70	1.090	ok	1.090	1.030-1.150
Pentane	6.14	8.64	0.711	ok	0.712	0.652-0.772
Propylene	3.97	8.64	0.459	ok	0.460	0.400-0.520
Styrene	15.70	14.70	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.71	8.64	1.124	ok	1.125	1.065-1.185
1,1,2,2-Tetrachloroethane	15.81	14.70	1.076	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	12.64	10.46	1.208	ok	1.209	1.149-1.269
1,2,4-Trichlorobenzene	20.31	14.70	1.382	ok	1.381	1.321-1.441
1,2,4-Trimethylbenzene	17.76	14.70	1.208	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.30	14.70	1.177	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.17	10.46	1.068	ok	1.068	1.008-1.128
Tertiary Butyl Alcohol	6.46	8.64	0.748	ok	0.746	0.686-0.806
Tetrachloroethylene	14.06	14.70	0.956	ok	0.956	0.896-1.016
Tetrahydrofuran	9.17	8.64	1.061	ok	1.060	1.000-1.120
Toluene	12.92	10.46	1.235	ok	1.235	1.175-1.295
Trichloroethylene	11.15	10.46	1.066	ok	1.066	1.006-1.126
Trichlorofluoromethane	5.79	8.64	0.670	ok	0.671	0.611-0.731
Vinyl chloride	4.42	8.64	0.512	ok	0.512	0.452-0.572
Vinyl Acetate	7.80	8.64	0.903	ok	0.903	0.843-0.963
m,p-Xylene	15.32	14.70	1.042	ok	1.042	0.982-1.102
o-Xylene	15.82	14.70	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.64	ok	8.63	8.30-8.96	196436	ok	206550	123930-289170
1,4-Difluorobenzene	10.46	ok	10.46	10.13-10.79	898497	ok	933706	560224-1307188
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	762074	ok	816411	489847-1142975

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66993
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ214-IC214	Q3977.D	07/16/07 16:53	DFT	40	GCMSQ	TO-15	
MSQ214-IC214	Q3978.D	07/16/07 17:36	DFT	20	GCMSQ	TO-15	
MSQ214-ICC214	Q3979.D	07/16/07 18:18	DFT	10	GCMSQ	TO-15	
MSQ214-IC214	Q3980.D	07/16/07 19:01	DFT	5	GCMSQ	TO-15	
MSQ214-IC214	Q3981.D	07/16/07 19:44	DFT	2	GCMSQ	TO-15	
MSQ214-IC214	Q3982.D	07/16/07 20:26	DFT	0.5	GCMSQ	TO-15	
MSQ214-IC214	Q3983.D	07/16/07 21:09	DFT	0.2	GCMSQ	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.62	8.63	0.651	ok	0.649	0.589-0.709
1,3-Butadiene	4.56	8.63	0.528	ok	0.528	0.468-0.588
Benzene	10.15	10.46	0.970	ok	0.970	0.910-1.030
Bromodichloromethane	11.11	10.46	1.062	ok	1.062	1.002-1.122
Bromoform	15.43	14.70	1.050	ok	1.049	0.989-1.109
Bromomethane	4.83	8.63	0.560	ok	0.560	0.500-0.620
Bromoethene	5.37	8.63	0.622	ok	0.622	0.562-0.682
Benzyl Chloride	17.91	14.70	1.218	ok	1.219	1.159-1.279
Carbon disulfide	6.86	8.63	0.795	ok	0.795	0.735-0.855
Chlorobenzene	14.75	14.70	1.003	ok	1.003	0.943-1.063
Chloroethane	5.01	8.63	0.581	ok	0.580	0.520-0.640
Chloroform	8.75	8.63	1.014	ok	1.014	0.954-1.074
Chloromethane	4.20	8.63	0.487	ok	0.486	0.426-0.546
3-Chloropropene	6.67	8.63	0.773	ok	0.772	0.712-0.832
2-Chlorotoluene	17.02	14.70	1.158	ok	1.158	1.098-1.218
Carbon tetrachloride	10.29	8.63	1.192	ok	1.192	1.132-1.252
Cyclohexane	10.42	10.46	0.996	ok	0.996	0.936-1.056
1,1-Dichloroethane	7.66	8.63	0.888	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.42	8.63	0.744	ok	0.744	0.684-0.804
1,2-Dibromoethane	13.60	14.70	0.925	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.46	8.63	1.096	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.92	10.46	1.044	ok	1.044	0.984-1.104
1,4-Dioxane	11.17	10.46	1.068	ok	1.065	1.005-1.125
Dichlorodifluoromethane	4.04	8.63	0.468	ok	0.468	0.408-0.528
Dibromochloromethane	13.35	14.70	0.908	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.47	8.63	0.866	ok	0.865	0.805-0.925
cis-1,2-Dichloroethylene	8.48	8.63	0.983	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.97	10.46	1.144	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.94	14.70	1.220	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.40	14.70	1.252	ok	1.251	1.191-1.311
p-Dichlorobenzene	18.02	14.70	1.226	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.47	10.46	1.192	ok	1.192	1.132-1.252
Ethanol	5.12	8.63	0.593	ok	0.591	0.531-0.651
Ethylbenzene	15.13	14.70	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.67	8.63	1.005	ok	1.004	0.944-1.064
4-Ethyltoluene	17.21	14.70	1.171	ok	1.171	1.111-1.231
Freon 113	6.80	8.63	0.788	ok	0.788	0.728-0.848
Freon 114	4.29	8.63	0.497	ok	0.498	0.438-0.558
Heptane	11.41	10.46	1.091	ok	1.091	1.031-1.151
Hexachlorobutadiene	20.80	14.70	1.415	ok	1.415	1.355-1.475
Hexane	8.66	8.63	1.003	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66993
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ214-IC214	Q3977.D	07/16/07 16:53	DFT	40	GCMSQ	TO-15	
MSQ214-IC214	Q3978.D	07/16/07 17:36	DFT	20	GCMSQ	TO-15	
MSQ214-ICC214	Q3979.D	07/16/07 18:18	DFT	10	GCMSQ	TO-15	
MSQ214-IC214	Q3980.D	07/16/07 19:01	DFT	5	GCMSQ	TO-15	
MSQ214-IC214	Q3981.D	07/16/07 19:44	DFT	2	GCMSQ	TO-15	
MSQ214-IC214	Q3982.D	07/16/07 20:26	DFT	0.5	GCMSQ	TO-15	
MSQ214-IC214	Q3983.D	07/16/07 21:09	DFT	0.2	GCMSQ	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.16	14.70	0.895	ok	0.894	0.834-0.954
Isopropylbenzene	16.46	14.70	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.84	8.63	0.677	ok	0.676	0.616-0.736
Methylene chloride	6.54	8.63	0.758	ok	0.758	0.698-0.818
Methyl ethyl ketone	8.04	8.63	0.932	ok	0.931	0.871-0.991
Methyl Isobutyl Ketone	11.99	10.46	1.146	ok	1.146	1.086-1.206
Methyl Tert Butyl Ether	7.72	8.63	0.895	ok	0.894	0.834-0.954
Nonane	16.02	14.70	1.090	ok	1.090	1.030-1.150
Pentane	6.15	8.63	0.713	ok	0.712	0.652-0.772
Propylene	3.96	8.63	0.459	ok	0.460	0.400-0.520
Styrene	15.71	14.70	1.069	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.72	8.63	1.126	ok	1.125	1.065-1.185
1,1,2,2-Tetrachloroethane	15.81	14.70	1.076	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	12.64	10.46	1.208	ok	1.209	1.149-1.269
1,2,4-Trichlorobenzene	20.31	14.70	1.382	ok	1.381	1.321-1.441
1,2,4-Trimethylbenzene	17.76	14.70	1.208	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.29	14.70	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.17	10.46	1.068	ok	1.068	1.008-1.128
Tertiary Butyl Alcohol	6.46	8.63	0.749	ok	0.746	0.686-0.806
Tetrachloroethylene	14.06	14.70	0.956	ok	0.956	0.896-1.016
Tetrahydrofuran	9.17	8.63	1.063	ok	1.060	1.000-1.120
Toluene	12.92	10.46	1.235	ok	1.235	1.175-1.295
Trichloroethylene	11.14	10.46	1.065	ok	1.066	1.006-1.126
Trichlorofluoromethane	5.79	8.63	0.671	ok	0.671	0.611-0.731
Vinyl chloride	4.43	8.63	0.513	ok	0.512	0.452-0.572
Vinyl Acetate	7.79	8.63	0.903	ok	0.903	0.843-0.963
m,p-Xylene	15.32	14.70	1.042	ok	1.042	0.982-1.102
o-Xylene	15.82	14.70	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.63	ok	8.63	8.30-8.96	189375	ok	206550	123930-289170
1,4-Difluorobenzene	10.46	ok	10.46	10.13-10.79	853254	ok	933706	560224-1307188
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	728923	ok	816411	489847-1142975

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66993
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ231-IC231	Q4368.D	08/23/07 10:43	DFT	0.5	GCMSQ	TO-15	Reporting this level
MSQ231-IC231	Q4369.D	08/23/07 11:25	DFT	0.2	GCMSQ	TO-15	
MSQ231-IC231	Q4370.D	08/23/07 12:07	DFT	40	GCMSQ	TO-15	
MSQ231-IC231	Q4371.D	08/23/07 12:48	DFT	20	GCMSQ	TO-15	
MSQ231-ICC231	Q4372.D	08/23/07 13:30	DFT	10	GCMSQ	TO-15	
MSQ231-IC231	Q4373.D	08/23/07 14:12	DFT	5	GCMSQ	TO-15	
MSQ231-IC231	Q4374.D	08/23/07 14:54	DFT	2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.61	8.63	0.650	ok	0.649	0.589-0.709
1,3-Butadiene	4.55	8.63	0.527	ok	0.528	0.468-0.588
Benzene	10.14	10.46	0.969	ok	0.970	0.910-1.030
Bromodichloromethane	11.10	10.46	1.061	ok	1.061	1.001-1.121
Bromoform	15.41	14.70	1.048	ok	1.049	0.989-1.109
Bromomethane	4.84	8.63	0.561	ok	0.560	0.500-0.620
Bromoethene	5.37	8.63	0.622	ok	0.622	0.562-0.682
Benzyl Chloride	17.91	14.70	1.218	ok	1.219	1.159-1.279
Carbon disulfide	6.85	8.63	0.794	ok	0.794	0.734-0.854
Chlorobenzene	14.75	14.70	1.003	ok	1.003	0.943-1.063
Chloroethane	5.01	8.63	0.581	ok	0.581	0.521-0.641
Chloroform	8.74	8.63	1.013	ok	1.014	0.954-1.074
Chloromethane	4.19	8.63	0.486	ok	0.487	0.427-0.547
3-Chloropropene	6.66	8.63	0.772	ok	0.772	0.712-0.832
2-Chlorotoluene	17.02	14.70	1.158	ok	1.157	1.097-1.217
Carbon tetrachloride	10.29	8.63	1.192	ok	1.192	1.132-1.252
Cyclohexane	10.41	10.46	0.995	ok	0.995	0.935-1.055
1,1-Dichloroethane	7.66	8.63	0.888	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.43	8.63	0.745	ok	0.744	0.684-0.804
1,2-Dibromoethane	13.60	14.70	0.925	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.46	8.63	1.096	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.92	10.46	1.044	ok	1.044	0.984-1.104
1,4-Dioxane	11.15	10.46	1.066	ok	1.065	1.005-1.125
Dichlorodifluoromethane	4.04	8.63	0.468	ok	0.468	0.408-0.528
Dibromochloromethane	13.35	14.70	0.908	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.47	8.63	0.866	ok	0.865	0.805-0.925
cis-1,2-Dichloroethylene	8.47	8.63	0.981	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.96	10.46	1.143	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.93	14.70	1.220	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.40	14.70	1.252	ok	1.252	1.192-1.312
p-Dichlorobenzene	18.01	14.70	1.225	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.46	10.46	1.191	ok	1.191	1.131-1.251
Ethanol	5.10	8.63	0.591	ok	0.590	0.530-0.650
Ethylbenzene	15.12	14.70	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.67	8.63	1.005	ok	1.004	0.944-1.064
4-Ethyltoluene	17.20	14.70	1.170	ok	1.170	1.110-1.230
Freon 113	6.80	8.63	0.788	ok	0.788	0.728-0.848
Freon 114	4.29	8.63	0.497	ok	0.498	0.438-0.558
Heptane	11.40	10.46	1.090	ok	1.090	1.030-1.150
Hexachlorobutadiene	20.79	14.70	1.414	ok	1.414	1.354-1.474
Hexane	8.66	8.63	1.003	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66993
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ231-IC231	Q4368.D	08/23/07 10:43	DFT	0.5	GCMSQ	TO-15	Reporting this level
MSQ231-IC231	Q4369.D	08/23/07 11:25	DFT	0.2	GCMSQ	TO-15	
MSQ231-IC231	Q4370.D	08/23/07 12:07	DFT	40	GCMSQ	TO-15	
MSQ231-IC231	Q4371.D	08/23/07 12:48	DFT	20	GCMSQ	TO-15	
MSQ231-ICC231	Q4372.D	08/23/07 13:30	DFT	10	GCMSQ	TO-15	
MSQ231-IC231	Q4373.D	08/23/07 14:12	DFT	5	GCMSQ	TO-15	
MSQ231-IC231	Q4374.D	08/23/07 14:54	DFT	2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.14	14.70	0.894	ok	0.894	0.834-0.954
Isopropylbenzene	16.46	14.70	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.84	8.63	0.677	ok	0.676	0.616-0.736
Methylene chloride	6.53	8.63	0.757	ok	0.757	0.697-0.817
Methyl ethyl ketone	8.05	8.63	0.933	ok	0.931	0.871-0.991
Methyl Isobutyl Ketone	11.98	10.46	1.145	ok	1.145	1.085-1.205
Methyl Tert Butyl Ether	7.73	8.63	0.896	ok	0.894	0.834-0.954
Nonane	16.02	14.70	1.090	ok	1.090	1.030-1.150
Pentane	6.15	8.63	0.713	ok	0.712	0.652-0.772
Propylene	3.97	8.63	0.460	ok	0.459	0.399-0.519
Styrene	15.70	14.70	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.70	8.63	1.124	ok	1.124	1.064-1.184
1,1,2,2-Tetrachloroethane	15.81	14.70	1.076	ok	1.076	1.016-1.136
1,1,2-Trichloroethane	12.63	10.46	1.207	ok	1.208	1.148-1.268
1,2,4-Trichlorobenzene	20.30	14.70	1.381	ok	1.381	1.321-1.441
1,2,4-Trimethylbenzene	17.75	14.70	1.207	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.29	14.70	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.16	10.46	1.067	ok	1.067	1.007-1.127
Tertiary Butyl Alcohol	6.46	8.63	0.749	ok	0.746	0.686-0.806
Tetrachloroethylene	14.05	14.70	0.956	ok	0.956	0.896-1.016
Tetrahydrofuran	9.16	8.63	1.061	ok	1.059	0.999-1.119
Toluene	12.92	10.46	1.235	ok	1.235	1.175-1.295
Trichloroethylene	11.14	10.46	1.065	ok	1.065	1.005-1.125
Trichlorofluoromethane	5.79	8.63	0.671	ok	0.671	0.611-0.731
Vinyl chloride	4.42	8.63	0.512	ok	0.512	0.452-0.572
Vinyl Acetate	7.79	8.63	0.903	ok	0.902	0.842-0.962
m,p-Xylene	15.32	14.70	1.042	ok	1.042	0.982-1.102
o-Xylene	15.82	14.70	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.63	ok	8.63	8.30-8.96	248286	ok	226129	135677-316581
1,4-Difluorobenzene	10.46	ok	10.46	10.13-10.79	1196469	ok	1079940	647964-1511916
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	941297	ok	862312	517387-1207237

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66993
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ231-IC231	Q4368.D	08/23/07 10:43	DFT	0.5	GCMSQ	TO-15	
MSQ231-IC231	Q4369.D	08/23/07 11:25	DFT	0.2	GCMSQ	TO-15	Reporting this level
MSQ231-IC231	Q4370.D	08/23/07 12:07	DFT	40	GCMSQ	TO-15	
MSQ231-IC231	Q4371.D	08/23/07 12:48	DFT	20	GCMSQ	TO-15	
MSQ231-ICC231	Q4372.D	08/23/07 13:30	DFT	10	GCMSQ	TO-15	
MSQ231-IC231	Q4373.D	08/23/07 14:12	DFT	5	GCMSQ	TO-15	
MSQ231-IC231	Q4374.D	08/23/07 14:54	DFT	2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.61	8.63	0.650	ok	0.649	0.589-0.709
1,3-Butadiene	4.56	8.63	0.528	ok	0.528	0.468-0.588
Benzene	10.15	10.46	0.970	ok	0.970	0.910-1.030
Bromodichloromethane	11.10	10.46	1.061	ok	1.061	1.001-1.121
Bromoform	15.42	14.70	1.049	ok	1.049	0.989-1.109
Bromomethane	4.82	8.63	0.559	ok	0.560	0.500-0.620
Bromoethene	5.37	8.63	0.622	ok	0.622	0.562-0.682
Benzyl Chloride	17.92	14.70	1.219	ok	1.219	1.159-1.279
Carbon disulfide	6.85	8.63	0.794	ok	0.794	0.734-0.854
Chlorobenzene	14.75	14.70	1.003	ok	1.003	0.943-1.063
Chloroethane	5.01	8.63	0.581	ok	0.581	0.521-0.641
Chloroform	8.75	8.63	1.014	ok	1.014	0.954-1.074
Chloromethane	4.20	8.63	0.487	ok	0.487	0.427-0.547
3-Chloropropene	6.66	8.63	0.772	ok	0.772	0.712-0.832
2-Chlorotoluene	17.01	14.70	1.157	ok	1.157	1.097-1.217
Carbon tetrachloride	10.29	8.63	1.192	ok	1.192	1.132-1.252
Cyclohexane	10.41	10.46	0.995	ok	0.995	0.935-1.055
1,1-Dichloroethane	7.66	8.63	0.888	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.43	8.63	0.745	ok	0.744	0.684-0.804
1,2-Dibromoethane	13.59	14.70	0.924	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.46	8.63	1.096	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.92	10.46	1.044	ok	1.044	0.984-1.104
1,4-Dioxane	11.16	10.46	1.067	ok	1.065	1.005-1.125
Dichlorodifluoromethane	4.04	8.63	0.468	ok	0.468	0.408-0.528
Dibromochloromethane	13.35	14.70	0.908	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.47	8.63	0.866	ok	0.865	0.805-0.925
cis-1,2-Dichloroethylene	8.47	8.63	0.981	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.96	10.46	1.143	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.93	14.70	1.220	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.40	14.70	1.252	ok	1.252	1.192-1.312
p-Dichlorobenzene	18.01	14.70	1.225	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.46	10.46	1.191	ok	1.191	1.131-1.251
Ethylbenzene	15.12	14.70	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.66	8.63	1.003	ok	1.004	0.944-1.064
4-Ethyltoluene	17.20	14.70	1.170	ok	1.170	1.110-1.230
Freon 113	6.79	8.63	0.787	ok	0.788	0.728-0.848
Freon 114	4.29	8.63	0.497	ok	0.498	0.438-0.558
Heptane	11.40	10.46	1.090	ok	1.090	1.030-1.150
Hexachlorobutadiene	20.79	14.70	1.414	ok	1.414	1.354-1.474
Hexane	8.66	8.63	1.003	ok	1.004	0.944-1.064
2-Hexanone	13.16	14.70	0.895	ok	0.894	0.834-0.954

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66993
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ231-IC231	Q4368.D	08/23/07 10:43	DFT	0.5	GCMSQ	TO-15	
MSQ231-IC231	Q4369.D	08/23/07 11:25	DFT	0.2	GCMSQ	TO-15	Reporting this level
MSQ231-IC231	Q4370.D	08/23/07 12:07	DFT	40	GCMSQ	TO-15	
MSQ231-IC231	Q4371.D	08/23/07 12:48	DFT	20	GCMSQ	TO-15	
MSQ231-ICC231	Q4372.D	08/23/07 13:30	DFT	10	GCMSQ	TO-15	
MSQ231-IC231	Q4373.D	08/23/07 14:12	DFT	5	GCMSQ	TO-15	
MSQ231-IC231	Q4374.D	08/23/07 14:54	DFT	2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Isopropylbenzene	16.46	14.70	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.85	8.63	0.678	ok	0.676	0.616-0.736
Methylene chloride	6.54	8.63	0.758	ok	0.757	0.697-0.817
Methyl ethyl ketone	8.06	8.63	0.934	ok	0.931	0.871-0.991
Methyl Isobutyl Ketone	11.99	10.46	1.146	ok	1.145	1.085-1.205
Methyl Tert Butyl Ether	7.72	8.63	0.895	ok	0.894	0.834-0.954
Nonane	16.02	14.70	1.090	ok	1.090	1.030-1.150
Pentane	6.14	8.63	0.711	ok	0.712	0.652-0.772
Propylene	3.97	8.63	0.460	ok	0.459	0.399-0.519
Styrene	15.70	14.70	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.70	8.63	1.124	ok	1.124	1.064-1.184
1,1,2,2-Tetrachloroethane	15.81	14.70	1.076	ok	1.076	1.016-1.136
1,1,2-Trichloroethane	12.64	10.46	1.208	ok	1.208	1.148-1.268
1,2,4-Trichlorobenzene	20.31	14.70	1.382	ok	1.381	1.321-1.441
1,2,4-Trimethylbenzene	17.76	14.70	1.208	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.29	14.70	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.17	10.46	1.068	ok	1.067	1.007-1.127
Tertiary Butyl Alcohol	6.46	8.63	0.749	ok	0.746	0.686-0.806
Tetrachloroethylene	14.05	14.70	0.956	ok	0.956	0.896-1.016
Tetrahydrofuran	9.16	8.63	1.061	ok	1.059	0.999-1.119
Toluene	12.92	10.46	1.235	ok	1.235	1.175-1.295
Trichloroethylene	11.14	10.46	1.065	ok	1.065	1.005-1.125
Trichlorofluoromethane	5.79	8.63	0.671	ok	0.671	0.611-0.731
Vinyl chloride	4.43	8.63	0.513	ok	0.512	0.452-0.572
Vinyl Acetate	7.79	8.63	0.903	ok	0.902	0.842-0.962
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	8.63	ok	8.63	8.30-8.96	236069	ok	226129	135677-316581
1,4-Difluorobenzene	10.46	ok	10.46	10.13-10.79	1119674	ok	1079940	647964-1511916
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	866041	ok	862312	517387-1207237

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66993
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ231-IC231	Q4368.D	08/23/07 10:43	DFT	0.5	GCMSQ	TO-15	
MSQ231-IC231	Q4369.D	08/23/07 11:25	DFT	0.2	GCMSQ	TO-15	
MSQ231-IC231	Q4370.D	08/23/07 12:07	DFT	40	GCMSQ	TO-15	Reporting this level
MSQ231-IC231	Q4371.D	08/23/07 12:48	DFT	20	GCMSQ	TO-15	
MSQ231-ICC231	Q4372.D	08/23/07 13:30	DFT	10	GCMSQ	TO-15	
MSQ231-IC231	Q4373.D	08/23/07 14:12	DFT	5	GCMSQ	TO-15	
MSQ231-IC231	Q4374.D	08/23/07 14:54	DFT	2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.59	8.63	0.648	ok	0.649	0.589-0.709
1,3-Butadiene	4.56	8.63	0.528	ok	0.528	0.468-0.588
Benzene	10.15	10.46	0.970	ok	0.970	0.910-1.030
Bromodichloromethane	11.10	10.46	1.061	ok	1.061	1.001-1.121
Bromoform	15.42	14.70	1.049	ok	1.049	0.989-1.109
Bromomethane	4.83	8.63	0.560	ok	0.560	0.500-0.620
Bromoethene	5.36	8.63	0.621	ok	0.622	0.562-0.682
Benzyl Chloride	17.92	14.70	1.219	ok	1.219	1.159-1.279
Carbon disulfide	6.85	8.63	0.794	ok	0.794	0.734-0.854
Chlorobenzene	14.75	14.70	1.003	ok	1.003	0.943-1.063
Chloroethane	5.01	8.63	0.581	ok	0.581	0.521-0.641
Chloroform	8.75	8.63	1.014	ok	1.014	0.954-1.074
Chloromethane	4.20	8.63	0.487	ok	0.487	0.427-0.547
3-Chloropropene	6.66	8.63	0.772	ok	0.772	0.712-0.832
2-Chlorotoluene	17.02	14.70	1.158	ok	1.157	1.097-1.217
Carbon tetrachloride	10.29	8.63	1.192	ok	1.192	1.132-1.252
Cyclohexane	10.41	10.46	0.995	ok	0.995	0.935-1.055
1,1-Dichloroethane	7.66	8.63	0.888	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.42	8.63	0.744	ok	0.744	0.684-0.804
1,2-Dibromoethane	13.60	14.70	0.925	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.46	8.63	1.096	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.92	10.46	1.044	ok	1.044	0.984-1.104
1,4-Dioxane	11.13	10.46	1.064	ok	1.065	1.005-1.125
Dichlorodifluoromethane	4.03	8.63	0.467	ok	0.468	0.408-0.528
Dibromochloromethane	13.35	14.70	0.908	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.46	8.63	0.864	ok	0.865	0.805-0.925
cis-1,2-Dichloroethylene	8.46	8.63	0.980	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.96	10.46	1.143	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.94	14.70	1.220	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.40	14.70	1.252	ok	1.252	1.192-1.312
p-Dichlorobenzene	18.01	14.70	1.225	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.46	10.46	1.191	ok	1.191	1.131-1.251
Ethanol	5.09	8.63	0.590	ok	0.590	0.530-0.650
Ethylbenzene	15.13	14.70	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.66	8.63	1.003	ok	1.004	0.944-1.064
4-Ethyltoluene	17.21	14.70	1.171	ok	1.170	1.110-1.230
Freon 113	6.79	8.63	0.787	ok	0.788	0.728-0.848
Freon 114	4.30	8.63	0.498	ok	0.498	0.438-0.558
Heptane	11.40	10.46	1.090	ok	1.090	1.030-1.150
Hexachlorobutadiene	20.79	14.70	1.414	ok	1.414	1.354-1.474
Hexane	8.66	8.63	1.003	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66993
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ231-IC231	Q4368.D	08/23/07 10:43	DFT	0.5	GCMSQ	TO-15	
MSQ231-IC231	Q4369.D	08/23/07 11:25	DFT	0.2	GCMSQ	TO-15	
MSQ231-IC231	Q4370.D	08/23/07 12:07	DFT	40	GCMSQ	TO-15	Reporting this level
MSQ231-IC231	Q4371.D	08/23/07 12:48	DFT	20	GCMSQ	TO-15	
MSQ231-ICC231	Q4372.D	08/23/07 13:30	DFT	10	GCMSQ	TO-15	
MSQ231-IC231	Q4373.D	08/23/07 14:12	DFT	5	GCMSQ	TO-15	
MSQ231-IC231	Q4374.D	08/23/07 14:54	DFT	2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.14	14.70	0.894	ok	0.894	0.834-0.954
Isopropylbenzene	16.47	14.70	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.82	8.63	0.674	ok	0.676	0.616-0.736
Methylene chloride	6.54	8.63	0.758	ok	0.757	0.697-0.817
Methyl ethyl ketone	8.02	8.63	0.929	ok	0.931	0.871-0.991
Methyl Isobutyl Ketone	11.97	10.46	1.144	ok	1.145	1.085-1.205
Methyl Tert Butyl Ether	7.70	8.63	0.892	ok	0.894	0.834-0.954
Nonane	16.02	14.70	1.090	ok	1.090	1.030-1.150
Pentane	6.14	8.63	0.711	ok	0.712	0.652-0.772
Propylene	3.96	8.63	0.459	ok	0.459	0.399-0.519
Styrene	15.70	14.70	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.70	8.63	1.124	ok	1.124	1.064-1.184
1,1,2,2-Tetrachloroethane	15.81	14.70	1.076	ok	1.076	1.016-1.136
1,1,2-Trichloroethane	12.64	10.46	1.208	ok	1.208	1.148-1.268
1,2,4-Trichlorobenzene	20.30	14.70	1.381	ok	1.381	1.321-1.441
1,2,4-Trimethylbenzene	17.75	14.70	1.207	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.29	14.70	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.17	10.46	1.068	ok	1.067	1.007-1.127
Tertiary Butyl Alcohol	6.43	8.63	0.745	ok	0.746	0.686-0.806
Tetrachloroethylene	14.05	14.70	0.956	ok	0.956	0.896-1.016
Tetrahydrofuran	9.13	8.63	1.058	ok	1.059	0.999-1.119
Toluene	12.92	10.46	1.235	ok	1.235	1.175-1.295
Trichloroethylene	11.14	10.46	1.065	ok	1.065	1.005-1.125
Trichlorofluoromethane	5.79	8.63	0.671	ok	0.671	0.611-0.731
Vinyl chloride	4.42	8.63	0.512	ok	0.512	0.452-0.572
Vinyl Acetate	7.78	8.63	0.902	ok	0.902	0.842-0.962
m,p-Xylene	15.32	14.70	1.042	ok	1.042	0.982-1.102
o-Xylene	15.82	14.70	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.63	ok	8.63	8.30-8.96	217960	ok	226129	135677-316581
1,4-Difluorobenzene	10.46	ok	10.46	10.13-10.79	986070	ok	1079940	647964-1511916
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	816140	ok	862312	517387-1207237

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66993
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ231-IC231	Q4368.D	08/23/07 10:43	DFT	0.5	GCMSQ	TO-15	
MSQ231-IC231	Q4369.D	08/23/07 11:25	DFT	0.2	GCMSQ	TO-15	
MSQ231-IC231	Q4370.D	08/23/07 12:07	DFT	40	GCMSQ	TO-15	
MSQ231-IC231	Q4371.D	08/23/07 12:48	DFT	20	GCMSQ	TO-15	Reporting this level
MSQ231-ICC231	Q4372.D	08/23/07 13:30	DFT	10	GCMSQ	TO-15	
MSQ231-IC231	Q4373.D	08/23/07 14:12	DFT	5	GCMSQ	TO-15	
MSQ231-IC231	Q4374.D	08/23/07 14:54	DFT	2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.59	8.63	0.648	ok	0.649	0.589-0.709
1,3-Butadiene	4.55	8.63	0.527	ok	0.528	0.468-0.588
Benzene	10.14	10.46	0.969	ok	0.970	0.910-1.030
Bromodichloromethane	11.10	10.46	1.061	ok	1.061	1.001-1.121
Bromoform	15.42	14.70	1.049	ok	1.049	0.989-1.109
Bromomethane	4.83	8.63	0.560	ok	0.560	0.500-0.620
Bromoethene	5.36	8.63	0.621	ok	0.622	0.562-0.682
Benzyl Chloride	17.91	14.70	1.218	ok	1.219	1.159-1.279
Carbon disulfide	6.85	8.63	0.794	ok	0.794	0.734-0.854
Chlorobenzene	14.74	14.70	1.003	ok	1.003	0.943-1.063
Chloroethane	5.01	8.63	0.581	ok	0.581	0.521-0.641
Chloroform	8.75	8.63	1.014	ok	1.014	0.954-1.074
Chloromethane	4.20	8.63	0.487	ok	0.487	0.427-0.547
3-Chloropropene	6.66	8.63	0.772	ok	0.772	0.712-0.832
2-Chlorotoluene	17.01	14.70	1.157	ok	1.157	1.097-1.217
Carbon tetrachloride	10.29	8.63	1.192	ok	1.192	1.132-1.252
Cyclohexane	10.41	10.46	0.995	ok	0.995	0.935-1.055
1,1-Dichloroethane	7.66	8.63	0.888	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.42	8.63	0.744	ok	0.744	0.684-0.804
1,2-Dibromoethane	13.59	14.70	0.924	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.46	8.63	1.096	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.92	10.46	1.044	ok	1.044	0.984-1.104
1,4-Dioxane	11.12	10.46	1.063	ok	1.065	1.005-1.125
Dichlorodifluoromethane	4.03	8.63	0.467	ok	0.468	0.408-0.528
Dibromochloromethane	13.35	14.70	0.908	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.46	8.63	0.864	ok	0.865	0.805-0.925
cis-1,2-Dichloroethylene	8.46	8.63	0.980	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.96	10.46	1.143	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.93	14.70	1.220	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.40	14.70	1.252	ok	1.252	1.192-1.312
p-Dichlorobenzene	18.01	14.70	1.225	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.46	10.46	1.191	ok	1.191	1.131-1.251
Ethanol	5.09	8.63	0.590	ok	0.590	0.530-0.650
Ethylbenzene	15.13	14.70	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.66	8.63	1.003	ok	1.004	0.944-1.064
4-Ethyltoluene	17.20	14.70	1.170	ok	1.170	1.110-1.230
Freon 113	6.80	8.63	0.788	ok	0.788	0.728-0.848
Freon 114	4.30	8.63	0.498	ok	0.498	0.438-0.558
Heptane	11.40	10.46	1.090	ok	1.090	1.030-1.150
Hexachlorobutadiene	20.79	14.70	1.414	ok	1.414	1.354-1.474
Hexane	8.66	8.63	1.003	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66993
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ231-IC231	Q4368.D	08/23/07 10:43	DFT	0.5	GCMSQ	TO-15	
MSQ231-IC231	Q4369.D	08/23/07 11:25	DFT	0.2	GCMSQ	TO-15	
MSQ231-IC231	Q4370.D	08/23/07 12:07	DFT	40	GCMSQ	TO-15	
MSQ231-IC231	Q4371.D	08/23/07 12:48	DFT	20	GCMSQ	TO-15	Reporting this level
MSQ231-ICC231	Q4372.D	08/23/07 13:30	DFT	10	GCMSQ	TO-15	
MSQ231-IC231	Q4373.D	08/23/07 14:12	DFT	5	GCMSQ	TO-15	
MSQ231-IC231	Q4374.D	08/23/07 14:54	DFT	2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.14	14.70	0.894	ok	0.894	0.834-0.954
Isopropylbenzene	16.46	14.70	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.82	8.63	0.674	ok	0.676	0.616-0.736
Methylene chloride	6.54	8.63	0.758	ok	0.757	0.697-0.817
Methyl ethyl ketone	8.02	8.63	0.929	ok	0.931	0.871-0.991
Methyl Isobutyl Ketone	11.97	10.46	1.144	ok	1.145	1.085-1.205
Methyl Tert Butyl Ether	7.70	8.63	0.892	ok	0.894	0.834-0.954
Nonane	16.02	14.70	1.090	ok	1.090	1.030-1.150
Pentane	6.14	8.63	0.711	ok	0.712	0.652-0.772
Propylene	3.96	8.63	0.459	ok	0.459	0.399-0.519
Styrene	15.70	14.70	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.70	8.63	1.124	ok	1.124	1.064-1.184
1,1,2,2-Tetrachloroethane	15.81	14.70	1.076	ok	1.076	1.016-1.136
1,1,2-Trichloroethane	12.64	10.46	1.208	ok	1.208	1.148-1.268
1,2,4-Trichlorobenzene	20.30	14.70	1.381	ok	1.381	1.321-1.441
1,2,4-Trimethylbenzene	17.75	14.70	1.207	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.29	14.70	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.16	10.46	1.067	ok	1.067	1.007-1.127
Tertiary Butyl Alcohol	6.42	8.63	0.744	ok	0.746	0.686-0.806
Tetrachloroethylene	14.05	14.70	0.956	ok	0.956	0.896-1.016
Tetrahydrofuran	9.13	8.63	1.058	ok	1.059	0.999-1.119
Toluene	12.92	10.46	1.235	ok	1.235	1.175-1.295
Trichloroethylene	11.14	10.46	1.065	ok	1.065	1.005-1.125
Trichlorofluoromethane	5.79	8.63	0.671	ok	0.671	0.611-0.731
Vinyl chloride	4.42	8.63	0.512	ok	0.512	0.452-0.572
Vinyl Acetate	7.78	8.63	0.902	ok	0.902	0.842-0.962
m,p-Xylene	15.32	14.70	1.042	ok	1.042	0.982-1.102
o-Xylene	15.82	14.70	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.63	ok	8.63	8.30-8.96	248155	ok	226129	135677-316581
1,4-Difluorobenzene	10.46	ok	10.46	10.13-10.79	1191668	ok	1079940	647964-1511916
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	965363	ok	862312	517387-1207237

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66993
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ231-IC231	Q4368.D	08/23/07 10:43	DFT	0.5	GCMSQ	TO-15	
MSQ231-IC231	Q4369.D	08/23/07 11:25	DFT	0.2	GCMSQ	TO-15	
MSQ231-IC231	Q4370.D	08/23/07 12:07	DFT	40	GCMSQ	TO-15	
MSQ231-IC231	Q4371.D	08/23/07 12:48	DFT	20	GCMSQ	TO-15	
MSQ231-ICC231	Q4372.D	08/23/07 13:30	DFT	10	GCMSQ	TO-15	Reporting this level
MSQ231-IC231	Q4373.D	08/23/07 14:12	DFT	5	GCMSQ	TO-15	
MSQ231-IC231	Q4374.D	08/23/07 14:54	DFT	2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.59	8.63	0.648	ok	0.649	0.589-0.709
1,3-Butadiene	4.56	8.63	0.528	ok	0.528	0.468-0.588
Benzene	10.14	10.46	0.969	ok	0.970	0.910-1.030
Bromodichloromethane	11.10	10.46	1.061	ok	1.061	1.001-1.121
Bromoform	15.42	14.70	1.049	ok	1.049	0.989-1.109
Bromomethane	4.83	8.63	0.560	ok	0.560	0.500-0.620
Bromoethene	5.37	8.63	0.622	ok	0.622	0.562-0.682
Benzyl Chloride	17.91	14.70	1.218	ok	1.219	1.159-1.279
Carbon disulfide	6.86	8.63	0.795	ok	0.794	0.734-0.854
Chlorobenzene	14.74	14.70	1.003	ok	1.003	0.943-1.063
Chloroethane	5.01	8.63	0.581	ok	0.581	0.521-0.641
Chloroform	8.75	8.63	1.014	ok	1.014	0.954-1.074
Chloromethane	4.20	8.63	0.487	ok	0.487	0.427-0.547
3-Chloropropene	6.66	8.63	0.772	ok	0.772	0.712-0.832
2-Chlorotoluene	17.01	14.70	1.157	ok	1.157	1.097-1.217
Carbon tetrachloride	10.29	8.63	1.192	ok	1.192	1.132-1.252
Cyclohexane	10.41	10.46	0.995	ok	0.995	0.935-1.055
1,1-Dichloroethane	7.66	8.63	0.888	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.42	8.63	0.744	ok	0.744	0.684-0.804
1,2-Dibromoethane	13.59	14.70	0.924	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.46	8.63	1.096	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.92	10.46	1.044	ok	1.044	0.984-1.104
1,4-Dioxane	11.13	10.46	1.064	ok	1.065	1.005-1.125
Dichlorodifluoromethane	4.03	8.63	0.467	ok	0.468	0.408-0.528
Dibromochloromethane	13.34	14.70	0.907	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.46	8.63	0.864	ok	0.865	0.805-0.925
cis-1,2-Dichloroethylene	8.47	8.63	0.981	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.96	10.46	1.143	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.93	14.70	1.220	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.40	14.70	1.252	ok	1.252	1.192-1.312
p-Dichlorobenzene	18.01	14.70	1.225	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.46	10.46	1.191	ok	1.191	1.131-1.251
Ethanol	5.09	8.63	0.590	ok	0.590	0.530-0.650
Ethylbenzene	15.12	14.70	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.66	8.63	1.003	ok	1.004	0.944-1.064
4-Ethyltoluene	17.20	14.70	1.170	ok	1.170	1.110-1.230
Freon 113	6.80	8.63	0.788	ok	0.788	0.728-0.848
Freon 114	4.30	8.63	0.498	ok	0.498	0.438-0.558
Heptane	11.40	10.46	1.090	ok	1.090	1.030-1.150
Hexachlorobutadiene	20.79	14.70	1.414	ok	1.414	1.354-1.474
Hexane	8.66	8.63	1.003	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66993
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ231-IC231	Q4368.D	08/23/07 10:43	DFT	0.5	GCMSQ	TO-15	
MSQ231-IC231	Q4369.D	08/23/07 11:25	DFT	0.2	GCMSQ	TO-15	
MSQ231-IC231	Q4370.D	08/23/07 12:07	DFT	40	GCMSQ	TO-15	
MSQ231-IC231	Q4371.D	08/23/07 12:48	DFT	20	GCMSQ	TO-15	
MSQ231-ICC231	Q4372.D	08/23/07 13:30	DFT	10	GCMSQ	TO-15	Reporting this level
MSQ231-IC231	Q4373.D	08/23/07 14:12	DFT	5	GCMSQ	TO-15	
MSQ231-IC231	Q4374.D	08/23/07 14:54	DFT	2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.14	14.70	0.894	ok	0.894	0.834-0.954
Isopropylbenzene	16.46	14.70	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.82	8.63	0.674	ok	0.676	0.616-0.736
Methylene chloride	6.54	8.63	0.758	ok	0.757	0.697-0.817
Methyl ethyl ketone	8.03	8.63	0.930	ok	0.931	0.871-0.991
Methyl Isobutyl Ketone	11.97	10.46	1.144	ok	1.145	1.085-1.205
Methyl Tert Butyl Ether	7.71	8.63	0.893	ok	0.894	0.834-0.954
Nonane	16.02	14.70	1.090	ok	1.090	1.030-1.150
Pentane	6.15	8.63	0.713	ok	0.712	0.652-0.772
Propylene	3.96	8.63	0.459	ok	0.459	0.399-0.519
Styrene	15.70	14.70	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.70	8.63	1.124	ok	1.124	1.064-1.184
1,1,2,2-Tetrachloroethane	15.81	14.70	1.076	ok	1.076	1.016-1.136
1,1,2-Trichloroethane	12.64	10.46	1.208	ok	1.208	1.148-1.268
1,2,4-Trichlorobenzene	20.30	14.70	1.381	ok	1.381	1.321-1.441
1,2,4-Trimethylbenzene	17.75	14.70	1.207	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.28	14.70	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.16	10.46	1.067	ok	1.067	1.007-1.127
Tertiary Butyl Alcohol	6.43	8.63	0.745	ok	0.746	0.686-0.806
Tetrachloroethylene	14.05	14.70	0.956	ok	0.956	0.896-1.016
Tetrahydrofuran	9.14	8.63	1.059	ok	1.059	0.999-1.119
Toluene	12.92	10.46	1.235	ok	1.235	1.175-1.295
Trichloroethylene	11.14	10.46	1.065	ok	1.065	1.005-1.125
Trichlorofluoromethane	5.78	8.63	0.670	ok	0.671	0.611-0.731
Vinyl chloride	4.42	8.63	0.512	ok	0.512	0.452-0.572
Vinyl Acetate	7.79	8.63	0.903	ok	0.902	0.842-0.962
m,p-Xylene	15.32	14.70	1.042	ok	1.042	0.982-1.102
o-Xylene	15.81	14.70	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.63	ok	8.63	8.30-8.96	227379	ok	226129	135677-316581
1,4-Difluorobenzene	10.46	ok	10.46	10.13-10.79	1095216	ok	1079940	647964-1511916
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	889920	ok	862312	517387-1207237

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66993
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ231-IC231	Q4368.D	08/23/07 10:43	DFT	0.5	GCMSQ	TO-15	
MSQ231-IC231	Q4369.D	08/23/07 11:25	DFT	0.2	GCMSQ	TO-15	
MSQ231-IC231	Q4370.D	08/23/07 12:07	DFT	40	GCMSQ	TO-15	
MSQ231-IC231	Q4371.D	08/23/07 12:48	DFT	20	GCMSQ	TO-15	
MSQ231-ICC231	Q4372.D	08/23/07 13:30	DFT	10	GCMSQ	TO-15	
MSQ231-IC231	Q4373.D	08/23/07 14:12	DFT	5	GCMSQ	TO-15	Reporting this level
MSQ231-IC231	Q4374.D	08/23/07 14:54	DFT	2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.60	8.63	0.649	ok	0.649	0.589-0.709
1,3-Butadiene	4.56	8.63	0.528	ok	0.528	0.468-0.588
Benzene	10.15	10.46	0.970	ok	0.970	0.910-1.030
Bromodichloromethane	11.10	10.46	1.061	ok	1.061	1.001-1.121
Bromoform	15.41	14.70	1.048	ok	1.049	0.989-1.109
Bromomethane	4.84	8.63	0.561	ok	0.560	0.500-0.620
Bromoethene	5.37	8.63	0.622	ok	0.622	0.562-0.682
Benzyl Chloride	17.91	14.70	1.218	ok	1.219	1.159-1.279
Carbon disulfide	6.86	8.63	0.795	ok	0.794	0.734-0.854
Chlorobenzene	14.75	14.70	1.003	ok	1.003	0.943-1.063
Chloroethane	5.01	8.63	0.581	ok	0.581	0.521-0.641
Chloroform	8.75	8.63	1.014	ok	1.014	0.954-1.074
Chloromethane	4.20	8.63	0.487	ok	0.487	0.427-0.547
3-Chloropropene	6.66	8.63	0.772	ok	0.772	0.712-0.832
2-Chlorotoluene	17.01	14.70	1.157	ok	1.157	1.097-1.217
Carbon tetrachloride	10.29	8.63	1.192	ok	1.192	1.132-1.252
Cyclohexane	10.41	10.46	0.995	ok	0.995	0.935-1.055
1,1-Dichloroethane	7.66	8.63	0.888	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.43	8.63	0.745	ok	0.744	0.684-0.804
1,2-Dibromoethane	13.59	14.70	0.924	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.46	8.63	1.096	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.92	10.46	1.044	ok	1.044	0.984-1.104
1,4-Dioxane	11.13	10.46	1.064	ok	1.065	1.005-1.125
Dichlorodifluoromethane	4.04	8.63	0.468	ok	0.468	0.408-0.528
Dibromochloromethane	13.35	14.70	0.908	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.47	8.63	0.866	ok	0.865	0.805-0.925
cis-1,2-Dichloroethylene	8.46	8.63	0.980	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.96	10.46	1.143	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.93	14.70	1.220	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.40	14.70	1.252	ok	1.252	1.192-1.312
p-Dichlorobenzene	18.01	14.70	1.225	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.46	10.46	1.191	ok	1.191	1.131-1.251
Ethanol	5.10	8.63	0.591	ok	0.590	0.530-0.650
Ethylbenzene	15.12	14.70	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.66	8.63	1.003	ok	1.004	0.944-1.064
4-Ethyltoluene	17.20	14.70	1.170	ok	1.170	1.110-1.230
Freon 113	6.80	8.63	0.788	ok	0.788	0.728-0.848
Freon 114	4.30	8.63	0.498	ok	0.498	0.438-0.558
Heptane	11.40	10.46	1.090	ok	1.090	1.030-1.150
Hexachlorobutadiene	20.79	14.70	1.414	ok	1.414	1.354-1.474
Hexane	8.67	8.63	1.005	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66993
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ231-IC231	Q4368.D	08/23/07 10:43	DFT	0.5	GCMSQ	TO-15	
MSQ231-IC231	Q4369.D	08/23/07 11:25	DFT	0.2	GCMSQ	TO-15	
MSQ231-IC231	Q4370.D	08/23/07 12:07	DFT	40	GCMSQ	TO-15	
MSQ231-IC231	Q4371.D	08/23/07 12:48	DFT	20	GCMSQ	TO-15	
MSQ231-ICC231	Q4372.D	08/23/07 13:30	DFT	10	GCMSQ	TO-15	
MSQ231-IC231	Q4373.D	08/23/07 14:12	DFT	5	GCMSQ	TO-15	Reporting this level
MSQ231-IC231	Q4374.D	08/23/07 14:54	DFT	2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.14	14.70	0.894	ok	0.894	0.834-0.954
Isopropylbenzene	16.46	14.70	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.83	8.63	0.676	ok	0.676	0.616-0.736
Methylene chloride	6.54	8.63	0.758	ok	0.757	0.697-0.817
Methyl ethyl ketone	8.03	8.63	0.930	ok	0.931	0.871-0.991
Methyl Isobutyl Ketone	11.97	10.46	1.144	ok	1.145	1.085-1.205
Methyl Tert Butyl Ether	7.71	8.63	0.893	ok	0.894	0.834-0.954
Nonane	16.02	14.70	1.090	ok	1.090	1.030-1.150
Pentane	6.14	8.63	0.711	ok	0.712	0.652-0.772
Propylene	3.96	8.63	0.459	ok	0.459	0.399-0.519
Styrene	15.70	14.70	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.70	8.63	1.124	ok	1.124	1.064-1.184
1,1,2,2-Tetrachloroethane	15.81	14.70	1.076	ok	1.076	1.016-1.136
1,1,2-Trichloroethane	12.64	10.46	1.208	ok	1.208	1.148-1.268
1,2,4-Trichlorobenzene	20.30	14.70	1.381	ok	1.381	1.321-1.441
1,2,4-Trimethylbenzene	17.75	14.70	1.207	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.29	14.70	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.16	10.46	1.067	ok	1.067	1.007-1.127
Tertiary Butyl Alcohol	6.43	8.63	0.745	ok	0.746	0.686-0.806
Tetrachloroethylene	14.05	14.70	0.956	ok	0.956	0.896-1.016
Tetrahydrofuran	9.14	8.63	1.059	ok	1.059	0.999-1.119
Toluene	12.92	10.46	1.235	ok	1.235	1.175-1.295
Trichloroethylene	11.14	10.46	1.065	ok	1.065	1.005-1.125
Trichlorofluoromethane	5.79	8.63	0.671	ok	0.671	0.611-0.731
Vinyl chloride	4.42	8.63	0.512	ok	0.512	0.452-0.572
Vinyl Acetate	7.79	8.63	0.903	ok	0.902	0.842-0.962
m,p-Xylene	15.29	14.70	1.040	ok	1.042	0.982-1.102
o-Xylene	15.82	14.70	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.63	ok	8.63	8.30-8.96	215691	ok	226129	135677-316581
1,4-Difluorobenzene	10.46	ok	10.46	10.13-10.79	1037781	ok	1079940	647964-1511916
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	823713	ok	862312	517387-1207237

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66993
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ231-IC231	Q4368.D	08/23/07 10:43	DFT	0.5	GCMSQ	TO-15	
MSQ231-IC231	Q4369.D	08/23/07 11:25	DFT	0.2	GCMSQ	TO-15	
MSQ231-IC231	Q4370.D	08/23/07 12:07	DFT	40	GCMSQ	TO-15	
MSQ231-IC231	Q4371.D	08/23/07 12:48	DFT	20	GCMSQ	TO-15	
MSQ231-ICC231	Q4372.D	08/23/07 13:30	DFT	10	GCMSQ	TO-15	
MSQ231-IC231	Q4373.D	08/23/07 14:12	DFT	5	GCMSQ	TO-15	
MSQ231-IC231	Q4374.D	08/23/07 14:54	DFT	2	GCMSQ	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.60	8.63	0.649	ok	0.649	0.589-0.709
1,3-Butadiene	4.55	8.63	0.527	ok	0.528	0.468-0.588
Benzene	10.15	10.45	0.971	ok	0.970	0.910-1.030
Bromodichloromethane	11.10	10.45	1.062	ok	1.061	1.001-1.121
Bromoform	15.41	14.70	1.048	ok	1.049	0.989-1.109
Bromomethane	4.84	8.63	0.561	ok	0.560	0.500-0.620
Bromoethene	5.36	8.63	0.621	ok	0.622	0.562-0.682
Benzyl Chloride	17.91	14.70	1.218	ok	1.219	1.159-1.279
Carbon disulfide	6.86	8.63	0.795	ok	0.794	0.734-0.854
Chlorobenzene	14.74	14.70	1.003	ok	1.003	0.943-1.063
Chloroethane	5.01	8.63	0.581	ok	0.581	0.521-0.641
Chloroform	8.75	8.63	1.014	ok	1.014	0.954-1.074
Chloromethane	4.20	8.63	0.487	ok	0.487	0.427-0.547
3-Chloropropene	6.65	8.63	0.771	ok	0.772	0.712-0.832
2-Chlorotoluene	17.01	14.70	1.157	ok	1.157	1.097-1.217
Carbon tetrachloride	10.29	8.63	1.192	ok	1.192	1.132-1.252
Cyclohexane	10.41	10.45	0.996	ok	0.995	0.935-1.055
1,1-Dichloroethane	7.67	8.63	0.889	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.42	8.63	0.744	ok	0.744	0.684-0.804
1,2-Dibromoethane	13.59	14.70	0.924	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.46	8.63	1.096	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.91	10.45	1.044	ok	1.044	0.984-1.104
1,4-Dioxane	11.14	10.45	1.066	ok	1.065	1.005-1.125
Dichlorodifluoromethane	4.04	8.63	0.468	ok	0.468	0.408-0.528
Dibromochloromethane	13.34	14.70	0.907	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.47	8.63	0.866	ok	0.865	0.805-0.925
cis-1,2-Dichloroethylene	8.46	8.63	0.980	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.96	10.45	1.144	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.93	14.70	1.220	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.40	14.70	1.252	ok	1.252	1.192-1.312
p-Dichlorobenzene	18.01	14.70	1.225	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.46	10.45	1.192	ok	1.191	1.131-1.251
Ethanol	5.10	8.63	0.591	ok	0.590	0.530-0.650
Ethylbenzene	15.13	14.70	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.66	8.63	1.003	ok	1.004	0.944-1.064
4-Ethyltoluene	17.20	14.70	1.170	ok	1.170	1.110-1.230
Freon 113	6.80	8.63	0.788	ok	0.788	0.728-0.848
Freon 114	4.30	8.63	0.498	ok	0.498	0.438-0.558
Heptane	11.40	10.45	1.091	ok	1.090	1.030-1.150
Hexachlorobutadiene	20.79	14.70	1.414	ok	1.414	1.354-1.474
Hexane	8.66	8.63	1.003	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66993
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ231-IC231	Q4368.D	08/23/07 10:43	DFT	0.5	GCMSQ	TO-15	
MSQ231-IC231	Q4369.D	08/23/07 11:25	DFT	0.2	GCMSQ	TO-15	
MSQ231-IC231	Q4370.D	08/23/07 12:07	DFT	40	GCMSQ	TO-15	
MSQ231-IC231	Q4371.D	08/23/07 12:48	DFT	20	GCMSQ	TO-15	
MSQ231-ICC231	Q4372.D	08/23/07 13:30	DFT	10	GCMSQ	TO-15	
MSQ231-IC231	Q4373.D	08/23/07 14:12	DFT	5	GCMSQ	TO-15	
MSQ231-IC231	Q4374.D	08/23/07 14:54	DFT	2	GCMSQ	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.15	14.70	0.895	ok	0.894	0.834-0.954
Isopropylbenzene	16.46	14.70	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.83	8.63	0.676	ok	0.676	0.616-0.736
Methylene chloride	6.53	8.63	0.757	ok	0.757	0.697-0.817
Methyl ethyl ketone	8.03	8.63	0.930	ok	0.931	0.871-0.991
Methyl Isobutyl Ketone	11.98	10.45	1.146	ok	1.145	1.085-1.205
Methyl Tert Butyl Ether	7.71	8.63	0.893	ok	0.894	0.834-0.954
Nonane	16.02	14.70	1.090	ok	1.090	1.030-1.150
Pentane	6.14	8.63	0.711	ok	0.712	0.652-0.772
Propylene	3.97	8.63	0.460	ok	0.459	0.399-0.519
Styrene	15.70	14.70	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.71	8.63	1.125	ok	1.124	1.064-1.184
1,1,2,2-Tetrachloroethane	15.81	14.70	1.076	ok	1.076	1.016-1.136
1,1,2-Trichloroethane	12.64	10.45	1.210	ok	1.208	1.148-1.268
1,2,4-Trichlorobenzene	20.31	14.70	1.382	ok	1.381	1.321-1.441
1,2,4-Trimethylbenzene	17.75	14.70	1.207	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.28	14.70	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.17	10.45	1.069	ok	1.067	1.007-1.127
Tertiary Butyl Alcohol	6.43	8.63	0.745	ok	0.746	0.686-0.806
Tetrachloroethylene	14.04	14.70	0.955	ok	0.956	0.896-1.016
Tetrahydrofuran	9.14	8.63	1.059	ok	1.059	0.999-1.119
Toluene	12.91	10.45	1.235	ok	1.235	1.175-1.295
Trichloroethylene	11.14	10.45	1.066	ok	1.065	1.005-1.125
Trichlorofluoromethane	5.78	8.63	0.670	ok	0.671	0.611-0.731
Vinyl chloride	4.43	8.63	0.513	ok	0.512	0.452-0.572
Vinyl Acetate	7.79	8.63	0.903	ok	0.902	0.842-0.962
m,p-Xylene	15.32	14.70	1.042	ok	1.042	0.982-1.102
o-Xylene	15.82	14.70	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.63	ok	8.63	8.30-8.96	189363	ok	226129	135677-316581
1,4-Difluorobenzene	10.45	ok	10.46	10.13-10.79	932699	ok	1079940	647964-1511916
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	733710	ok	862312	517387-1207237

Volatile Surrogate Recovery Summary

Job Number: M66993
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
M66993-1	Q4380.D	91.0
M66993-2	Q4382.D	93.0
M66993-1DUP	Q4381.D	92.0
MSJ562-SCC	J10886.D	90.0
MSQ214-SCC	Q3991.D	99.0
MSQ231-BS	Q4375B.D	105.0
MSQ231-MB	Q4377.D	83.0
MSJ562-BS	J10868B.D	109.0
MSJ562-MB	J10870.D	90.0
MSQ214-BS	Q3984B.D	108.0
MSQ214-MB	Q3986.D	91.0

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

Initial Calibration Summary

Job Number: M66993
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSJ562-ICC562
Lab FileID: J10865.D

Response Factor Report MSJ

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

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

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

Initial Calibration Summary

Job Number: M66993
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSJ562-ICC562
Lab FileID: J10865.D

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

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

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

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

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

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

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

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

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

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

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

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

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

Initial Calibration Summary

Job Number: M66993
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSJ562-ICC562
Lab FileID: J10865.D

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

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

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

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

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

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

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

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

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

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

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

Continuing Calibration Summary

Job Number: M66993
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSJ562-CC562
Lab FileID: J10868A.D

Evaluate Continuing Calibration Report

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

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

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	97	-0.01	8.60
2	m	DICHLORODIFLUOROMETHANE	3.245	3.058	5.8	99	0.00	4.06
3	m	PROPYLENE	0.498	0.528	-6.0	94	0.00	3.99
4	m	FREON 114	2.854	2.812	1.5	105	0.00	4.32
5	m	CHLOROMETHANE	0.742	0.737	0.7	109	0.00	4.23
6	m	VINYL CHLORIDE	0.828	0.869	-5.0	109	0.00	4.44
7	m	1,3-BUTADIENE	0.595	0.670	-12.6	107	0.00	4.57
8	m	BROMOMETHANE	0.956	0.957	-0.1	104	-0.01	4.84
9	m	CHLOROETHANE	0.383	0.405	-5.7	104	-0.01	5.01
10	m	TRICHLOROFLUOROMETHANE	3.301	3.269	1.0	108	-0.01	5.77
11	m	ISOPROPYL ALCOHOL	0.995	1.086	-9.1	111	0.02	5.99
12	m	ACETONE	1.170	1.135	3.0	116	-0.01	5.64
13	m	PENTANE	0.780	0.812	-4.1	108	-0.01	6.12
14	m	1,1-DICHLOROETHYLENE	0.873	0.887	-1.6	96	-0.01	6.40
15	m	CARBON DISULFIDE	2.828	2.670	5.6	101	-0.01	6.82
		----------	True	Calc.	% Drift	----------		
16	m	ETHANOL	10.000	10.799	-8.0	117	0.04	5.26
		----------	AvgRF	CCRF	% Dev	----------		
17	m	BROMOETHENE	0.844	0.923	-9.4	102	-0.01	5.36
		----------	True	Calc.	% Drift	----------		
18	m	METHYLENE CHLORIDE	10.000	9.923	0.8	105	-0.01	6.52
		----------	AvgRF	CCRF	% Dev	----------		
19	m	3-CHLOROPROPENE	0.732	0.787	-7.5	113	-0.01	6.63
20	m	FREON 113	2.084	1.924	7.7	100	-0.01	6.76
21	m	TRANS-1,2-DICHLOROETHYLEN	0.862	0.903	-4.8	101	-0.02	7.43
22	m	TERTIARY BUTYL ALCOHOL	1.132	1.332	-17.7	107	0.00	6.57
23	m	METHYL TERTIARY BUTYL ETH	1.680	1.975	-17.6	106	-0.01	7.71
24	m	TETRAHYDROFURAN	0.543	0.629	-15.8	107	-0.01	9.16
25	m	HEXANE	1.094	1.053	3.7	101	-0.01	8.61
26	m	VINYL ACETATE	1.153	1.269	-10.1	104	-0.01	7.78
27	m	1,1-DICHLOROETHANE	1.522	1.572	-3.3	106	-0.01	7.63
28	m	METHYL ETHYL KETONE	1.154	1.227	-6.3	105	0.00	8.07
29	m	cis-1,2-DICHLOROETHYLENE	0.837	0.868	-3.7	103	-0.01	8.44
30	m	ETHYL ACETATE	1.269	1.332	-5.0	102	-0.01	8.67
31	m	CHLOROFORM	2.163	2.225	-2.9	109	-0.01	8.72
32	m	1,1,1-TRICHLOROETHANE	2.350	2.431	-3.4	107	-0.01	9.66
33	m	CARBON TETRACHLORIDE	2.897	2.986	-3.1	106	-0.01	10.24
34	m	1,2-DICHLOROETHANE	1.181	1.316	-11.4	114	-0.01	9.43

Continuing Calibration Summary

Job Number: M66993
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSJ562-CC562
Lab FileID: J10868A.D

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

Continuing Calibration Summary

Job Number: M66993
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSJ562-CC562
Lab FileID: J10868A.D

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

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

   (#) = Out of Range              SPCC's out = 0  CCC's out = 0
    J10865.D   J070507T.M       Fri Jul 06 11:51:03 2007
```

Initial Calibration Verification

Job Number: M66993
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSJ562-ICV562
Lab FileID: J10868.D

Evaluate Continuing Calibration Report

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

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

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	97	-0.01	8.60
2	m	DICHLORODIFLUOROMETHANE	3.245	3.058	5.8	99	0.00	4.06
3	m	PROPYLENE	0.498	0.528	-6.0	94	0.00	3.99
4	m	FREON 114	2.854	2.812	1.5	105	0.00	4.32
5	m	CHLOROMETHANE	0.742	0.737	0.7	109	0.00	4.23
6	m	VINYL CHLORIDE	0.828	0.869	-5.0	109	0.00	4.44
7	m	1,3-BUTADIENE	0.595	0.670	-12.6	107	0.00	4.57
8	m	BROMOMETHANE	0.956	0.957	-0.1	104	-0.01	4.84
9	m	CHLOROETHANE	0.383	0.405	-5.7	104	-0.01	5.01
10	m	TRICHLOROFLUOROMETHANE	3.301	3.269	1.0	108	-0.01	5.77
11	m	ISOPROPYL ALCOHOL	0.995	1.086	-9.1	111	0.02	5.99
12	m	ACETONE	1.170	1.135	3.0	116	-0.01	5.64
13	m	PENTANE	0.780	0.812	-4.1	108	-0.01	6.12
14	m	1,1-DICHLOROETHYLENE	0.873	0.887	-1.6	96	-0.01	6.40
15	m	CARBON DISULFIDE	2.828	2.670	5.6	101	-0.01	6.82
		----------	True	Calc.	% Drift	----------		
16	m	ETHANOL	10.000	10.799	-8.0	117	0.04	5.26
		----------	AvgRF	CCRF	% Dev	----------		
17	m	BROMOETHENE	0.844	0.923	-9.4	102	-0.01	5.36
		----------	True	Calc.	% Drift	----------		
18	m	METHYLENE CHLORIDE	10.000	9.923	0.8	105	-0.01	6.52
		----------	AvgRF	CCRF	% Dev	----------		
19	m	3-CHLOROPROPENE	0.732	0.787	-7.5	113	-0.01	6.63
20	m	FREON 113	2.084	1.924	7.7	100	-0.01	6.76
21	m	TRANS-1,2-DICHLOROETHYLEN	0.862	0.903	-4.8	101	-0.02	7.43
22	m	TERTIARY BUTYL ALCOHOL	1.132	1.332	-17.7	107	0.00	6.57
23	m	METHYL TERTIARY BUTYL ETH	1.680	1.975	-17.6	106	-0.01	7.71
24	m	TETRAHYDROFURAN	0.543	0.629	-15.8	107	-0.01	9.16
25	m	HEXANE	1.094	1.053	3.7	101	-0.01	8.61
26	m	VINYL ACETATE	1.153	1.269	-10.1	104	-0.01	7.78
27	m	1,1-DICHLOROETHANE	1.522	1.572	-3.3	106	-0.01	7.63
28	m	METHYL ETHYL KETONE	1.154	1.227	-6.3	105	0.00	8.07
29	m	cis-1,2-DICHLOROETHYLENE	0.837	0.868	-3.7	103	-0.01	8.44
30	m	ETHYL ACETATE	1.269	1.332	-5.0	102	-0.01	8.67
31	m	CHLOROFORM	2.163	2.225	-2.9	109	-0.01	8.72
32	m	1,1,1-TRICHLOROETHANE	2.350	2.431	-3.4	107	-0.01	9.66
33	m	CARBON TETRACHLORIDE	2.897	2.986	-3.1	106	-0.01	10.24
34	m	1,2-DICHLOROETHANE	1.181	1.316	-11.4	114	-0.01	9.43

Initial Calibration Verification

Job Number: M66993
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSJ562-ICV562
Lab FileID: J10868.D

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

Initial Calibration Verification

Job Number: M66993
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSJ562-ICV562
Lab FileID: J10868.D

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

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

   (#) = Out of Range              SPCC's out = 0  CCC's out = 0
    J10865.D   J070507T.M       Fri Jul 06 11:23:26 2007
```

Initial Calibration Summary

Job Number: M66993
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ214-ICC214
Lab FileID: Q3979.D

Response Factor Report MAMSQ

Method : C:\msdchem\1\METHODS\Q071607T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Tue Jul 17 08:27:00 2007
Response via : Initial Calibration

Calibration Files
.2 =Q3983.D .5 =Q3982.D 2 =Q3981.D
5 =Q3980.D 10 =Q3979.D 20 =Q3978.D 40 =Q3977.D

Compound	.2	.5	2	5	10	20	40	Avg	%RSD
1) I BROMOCHLOROMETHANE	----------ISTD----------								
2)m DICHLORODIFLUOROM	4.002	3.399	3.337	3.337	3.106	3.194	3.296	3.382	8.60
3)m PROPYLENE	0.309	0.555	0.540	0.599	0.556	0.586	0.552	0.528	18.74
4)m FREON 114	3.718	3.134	2.895	3.058	2.958	3.051	3.107	3.132	8.68
5)m CHLOROMETHANE	0.801	0.694	0.728	0.745	0.696	0.712	0.702	0.725	5.24
6)m VINYL CHLORIDE	0.938	0.812	0.826	0.853	0.829	0.862	0.846	0.853	4.87
7)m 1,3-BUTADIENE	0.716	0.746	0.664	0.675	0.669	0.690	0.707	0.695	4.26
8)m BROMOMETHANE	0.968	0.985	0.929	0.954	0.950	0.982	0.971	0.963	2.05
9)m CHLOROETHANE	0.170	0.405	0.318	0.347	0.360	0.380	0.383	0.338	23.40
10)m TRICHLOROFLUOROME	3.901	3.619	3.029	3.118	3.038	3.153	3.361	3.317	10.01
11)m ISOPROPYL ALCOHOL	2.804	1.967	1.265	1.139	1.183	1.255	1.279	1.556	39.73
----- Linear regression (equal Weighting)----- Coefficient = 0.9993									
Response Ratio = -0.01673 + 1.27457 *A									
12)m ACETONE	3.411	2.186	1.398	1.209	1.231	1.313	1.365	1.730	47.03
----- Linear regression (equal Weighting)----- Coefficient = 0.9987									
Response Ratio = -0.02136 + 1.35484 *A									
13)m PENTANE	0.736	0.792	0.677	0.695	0.688	0.734	0.764	0.727	5.85
14)m 1,1-DICHLOROETHYL	0.973	0.974	0.893	0.863	0.897	0.942	0.986	0.932	5.19
15)m CARBON DISULFIDE	2.425	2.288	2.141	2.283	2.274	2.434	2.578	2.346	6.09
16)m ETHANOL	0.305	0.320	0.235	0.205	0.213	0.233	0.224	0.248	18.39
17)m BROMOETHENE	0.949	1.046	0.902	0.934	0.929	0.982	0.989	0.961	4.99
18)m METHYLENE CHLORID	3.257	1.982	1.135	1.029	1.060	1.124	1.194	1.540	53.63
----- Linear regression (equal Weighting)----- Coefficient = 0.9980									
Response Ratio = -0.02953 + 1.18375 *A									
19)m 3-CHLOROPROPENE	0.696	0.789	0.620	0.591	0.651	0.720	0.836	0.700	12.73
20)m FREON 113	3.094	2.497	2.093	2.051	2.061	2.157	2.265	2.317	16.25
21)m TRANS-1,2-DICHLOR	1.010	0.892	0.795	0.814	0.862	0.913	0.971	0.894	8.78
22)m TERTIARY BUTYL AL	1.580	1.652	1.475	1.472	1.535	1.612	1.684	1.573	5.27
23)m METHYL TERTIARY B	2.213	2.045	1.978	1.879	1.981	2.110	2.281	2.070	6.85
24)m TETRAHYDROFURAN	0.532	0.611	0.590	0.587	0.633	0.697	0.721	0.624	10.56
25)m HEXANE	2.901	2.057	1.444	1.195	1.250	1.303	1.341	1.642	38.17
----- Linear regression (equal Weighting)----- Coefficient = 0.9992									
Response Ratio = -0.01290 + 1.33324 *A									
26)m VINYL ACETATE	1.734	1.444	1.390	1.308	1.379	1.583	1.670	1.501	10.78
27)m 1,1-DICHLOROETHAN	1.577	1.535	1.274	1.309	1.390	1.530	1.723	1.477	10.83
28)m METHYL ETHYL KETO	1.555	1.422	1.186	1.212	1.287	1.386	1.443	1.356	9.84
29)m cis-1,2-DICHLOROE	0.771	0.755	0.689	0.710	0.775	0.876	0.954	0.790	11.88
30)m ETHYL ACETATE	3.723	2.845	2.380	2.184	2.303	2.486	2.579	2.643	19.73
31)m CHLOROFORM	2.097	2.073	1.811	1.854	1.974	2.136	2.364	2.044	9.16
32)m 1,1,1-TRICHLOROET	2.119	2.058	1.772	1.819	1.977	2.197	2.508	2.064	12.05
33)m CARBON TETRACHLOR	2.384	2.354	2.146	2.259	2.408	2.570	2.813	2.419	9.00
34)m 1,2-DICHLOROETHAN	1.133	1.176	1.104	1.095	1.141	1.289	1.461	1.200	11.02

Initial Calibration Summary

Job Number: M66993
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ214-ICC214
Lab FileID: Q3979.D

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35) I   1,4-DIFLUOROBENZENE   ----------------ISTD---------------------
36)m BENZENE           0.445 0.427 0.402 0.402 0.441 0.506 0.604 0.461  15.62
37)m CYCLOHEXANE       0.181 0.185 0.185 0.186 0.200 0.208 0.236 0.197   9.87
38)m TRICHLOROETHYLENE 0.262 0.230 0.228 0.227 0.249 0.275 0.335 0.258  14.93
39)m 1,2-DICHLOROPROPA 0.120 0.162 0.146 0.141 0.152 0.171 0.203 0.156  16.79
40)m BROMODICHLOROMETH 0.374 0.358 0.352 0.373 0.400 0.454 0.559 0.410  18.11
41)m 2,2,4-TRIMETHYLPE 0.608 0.683 0.622 0.639 0.698 0.761 0.918 0.704  15.31
42)m 1,4-DIOXANE       0.086 0.089 0.075 0.081 0.090 0.101 0.115 0.091  14.74
43)m HEPTANE           0.230 0.249 0.228 0.229 0.257 0.282 0.334 0.258  14.92
44)m METHYL ISOBUTYL K 0.300 0.311 0.296 0.291 0.329 0.369 0.422 0.331  14.55
45)m cis-1,3-DICHLOROP 0.221 0.204 0.198 0.211 0.235 0.270 0.335 0.239  20.42
46)m TOLUENE           0.339 0.292 0.284 0.290 0.321 0.363 0.439 0.333  16.55
47)m trans-1,3-DICHLOR 0.167 0.173 0.186 0.197 0.222 0.262 0.324 0.219  25.89
48)m 1,1,2-TRICHLOROET 0.159 0.159 0.159 0.155 0.166 0.184 0.222 0.172  14.09

49) I   CHLOROBENZENE-D5      ----------------ISTD---------------------
50)m 2-HEXANONE        0.285 0.330 0.263 0.282 0.314 0.361 0.420 0.322  16.84
51)m TETRACHLOROETHYLE 0.308 0.327 0.293 0.297 0.322 0.358 0.432 0.334  14.49
52)m DIBROMOCHLOROMETH 0.398 0.371 0.394 0.404 0.459 0.527 0.648 0.457  21.75
53)m 1,2-DIBROMOETHANE 0.356 0.340 0.320 0.320 0.346 0.401 0.477 0.366  15.36
54)m CHLOROBENZENE     0.520 0.489 0.473 0.472 0.508 0.568 0.675 0.529  13.62
55)m ETHYLBENZENE      0.712 0.710 0.770 0.770 0.845 0.935 1.107 0.835  17.15
56)m m,p-XYLENE        0.256 0.265 0.293 0.293 0.321 0.361 0.422 0.316  18.51
57)m o-XYLENE          0.263 0.275 0.299 0.293 0.326 0.363 0.427 0.321  17.90
58)m STYRENE           0.326 0.334 0.389 0.413 0.481 0.554 0.652 0.450  26.72
59)m NONANE            0.331 0.342 0.378 0.375 0.420 0.467 0.557 0.410  19.44
60)m BROMOFORM         0.312 0.329 0.356 0.381 0.461 0.547 0.686 0.439  31.07
         ----- Quadratic regression -----  Coefficient =  0.9999
              Response Ratio = -0.01089 + 0.40535 *A + 0.07092 *A^2

61)S 4-BROMOFLUOROBENZ 0.684 0.683 0.710 0.725 0.758 0.774 0.806 0.734   6.38
62)m 1,1,2,2-TETRACHLO 0.499 0.489 0.428 0.437 0.485 0.543 0.638 0.503  14.11
63)m ISOPROPYLBENZENE  0.866 0.856 0.895 0.883 0.995 1.102 1.293 0.984  16.49
64)m 2-CHLOROTOLUENE   0.621 0.599 0.629 0.633 0.718 0.800 0.949 0.707  18.10
65)m 4-ETHYLTOLUENE    0.696 0.715 0.766 0.788 0.937 1.031 1.237 0.881  22.53
66)m 1,3,5-TRIMETHYLBE 0.739 0.753 0.738 0.775 0.881 0.964 1.137 0.855  17.60
67)m 1,2,4-TRIMETHYLBE 0.601 0.670 0.692 0.714 0.820 0.920 1.095 0.788  21.75
68)m m-DICHLOROBENZENE 0.503 0.501 0.461 0.460 0.542 0.623 0.771 0.551  20.25
69)m BENZYL CHLORIDE   0.222 0.296 0.294 0.347 0.455 0.570 0.733 0.417  43.53
         ----- Quadratic regression -----  Coefficient =  0.9997
              Response Ratio = -0.01876 + 0.39959 *A + 0.08482 *A^2

70)m p-DICHLOROBENZENE 0.498 0.379 0.455 0.480 0.544 0.612 0.757 0.532  23.06
71)m o-DICHLOROBENZENE 0.508 0.516 0.427 0.445 0.505 0.571 0.701 0.525  17.40
72)m HEXACHLOROBUTADIE 0.863 0.830 0.274 0.267 0.286 0.265 0.374 0.451  60.41
         ----- Quadratic regression -----  Coefficient =  0.9982
              Response Ratio = 0.02950 + 0.16697 *A + 0.04951 *A^2

73)m 1,2,4-TRICHLOROBE 0.295 0.311 0.137 0.162 0.192 0.204 0.281 0.226  30.56
         ----- Quadratic regression -----  Coefficient =  0.9995
              Response Ratio = 0.00601 + 0.13315 *A + 0.03651 *A^2

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

          Q071607T.m        Wed Jul 18 14:23:22 2007   RPT1
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Continuing Calibration Summary

Job Number: M66993
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ214-CC214
Lab FileID: Q3984A.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\Q3984a.D Vial: 3
Acq On : 17 Jul 2007 8:45 am Operator: danat
Sample : cc214-10 (M209) Inst : MAMSQ
Misc : MS13893, MSQ214,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\msdchem\1\METHODS\Q071607T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Tue Jul 17 08:27:00 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)	RT Window
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	90	0.00	8.43- 8.84
2	m	DICHLORODIFLUOROMETHAN	3.382	3.665	-8.4	106	0.00	3.83- 4.24
3	m	PROPYLENE	0.528	0.555	-5.1	90	0.00	3.76- 4.17
4	m	FREON 114	3.132	3.364	-7.4	102	0.00	4.09- 4.50
5	m	CHLOROMETHANE	0.725	0.769	-6.1	99	0.00	4.00- 4.41
6	m	VINYL CHLORIDE	0.853	0.905	-6.1	98	0.00	4.21- 4.63
7	m	1,3-BUTADIENE	0.695	0.745	-7.2	100	0.00	4.35- 4.77
8	m	BROMOMETHANE	0.963	1.045	-8.5	99	0.00	4.63- 5.04
9	m	CHLOROETHANE	0.338	0.385	-13.9	96	0.00	4.80- 5.22
10	m	TRICHLOROFLUOROMETHANE	3.317	3.787	-14.2	112	0.00	5.58- 5.99
		----------	True	Calc.	% Drift	----------		
11	m	ISOPROPYL ALCOHOL	10.000	9.677	3.2	93	0.00	5.59- 6.06
12	m	ACETONE	10.000	8.199	18.0	80	0.00	5.39- 5.80
		----------	AvgRF	CCRF	% Dev	----------		
13	m	PENTANE	0.727	0.836	-15.0	109	0.00	5.99- 6.30
14	m	1,1-DICHLOROETHYLENE	0.932	0.975	-4.6	98	0.00	6.22- 6.63
15	m	CARBON DISULFIDE	2.346	2.727	-16.2	108	0.00	6.65- 7.06
16	m	ETHANOL	0.248	0.201	19.0	85	0.00	4.86- 5.33
17	m	BROMOETHENE	0.961	1.033	-7.5	100	0.00	5.16- 5.58
		----------	True	Calc.	% Drift	----------		
18	m	METHYLENE CHLORIDE	10.000	7.273	27.3	71	0.00	6.39- 6.69
		----------	AvgRF	CCRF	% Dev	----------		
19	m	3-CHLOROPROPENE	0.700	0.778	-11.1	108	0.00	6.45- 6.87
20	m	FREON 113	2.317	2.096	9.5	91	0.00	6.59- 7.01
21	m	TRANS-1,2-DICHLOROETHY	0.894	0.960	-7.4	100	0.00	7.26- 7.67
22	m	TERTIARY BUTYL ALCOHOL	1.573	1.677	-6.6	98	0.00	6.17- 6.69
23	m	METHYL TERTIARY BUTYL	2.070	1.977	4.5	90	0.00	7.50- 7.92
24	m	TETRAHYDROFURAN	0.624	0.562	9.9	80	0.00	9.00- 9.29
		----------	True	Calc.	% Drift	----------		
25	m	HEXANE	10.000	7.939	20.6	75	0.00	8.46- 8.87
		----------	AvgRF	CCRF	% Dev	----------		
26	m	VINYL ACETATE	1.501	1.436	4.3	94	0.00	7.61- 7.96
27	m	1,1-DICHLOROETHANE	1.477	1.576	-6.7	102	0.00	7.46- 7.87
28	m	METHYL ETHYL KETONE	1.356	1.234	9.0	86	0.00	7.79- 8.27
29	m	cis-1,2-DICHLOROETHYLE	0.790	0.808	-2.3	94	0.00	8.26- 8.68
30	m	ETHYL ACETATE	2.643	2.040	22.8	80	0.00	8.45- 8.87

Continuing Calibration Summary

Job Number: M66993
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ214-CC214
Lab FileID: Q3984A.D

31	m	CHLOROFORM	2.044	2.087	-2.1	95	0.00	8.54- 8.96
32	m	1,1,1-TRICHLOROETHANE	2.064	2.182	-5.7	99	0.00	9.50- 9.92
33	m	CARBON TETRACHLORIDE	2.419	2.708	-11.9	101	0.00	10.09-10.50
34	m	1,2-DICHLOROETHANE	1.200	1.223	-1.9	96	0.00	9.26- 9.67
35	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	90	0.00	10.26-10.67
36	m	BENZENE	0.461	0.423	8.2	86	0.00	9.94-10.36
37	m	CYCLOHEXANE	0.197	0.197	0.0	89	0.00	10.21-10.62
38	m	TRICHLOROETHYLENE	0.258	0.261	-1.2	94	0.00	10.99-11.30
39	m	1,2-DICHLOROPROPANE	0.156	0.145	7.1	86	0.00	10.72-11.13
40	m	BROMODICHLOROMETHANE	0.410	0.419	-2.2	95	0.00	10.95-11.26
41	m	2,2,4-TRIMETHYLPENTANE	0.704	0.715	-1.6	92	0.00	10.96-11.37
42	m	1,4-DIOXANE	0.091	0.086	5.5	87	0.00	10.87-11.40
43	m	HEPTANE	0.258	0.256	0.8	90	0.00	11.25-11.56
44	m	METHYL ISOBUTYL KETONE	0.331	0.315	4.8	86	0.00	11.76-12.20
45	m	cis-1,3-DICHLOROPROPEN	0.239	0.241	-0.8	92	0.00	11.76-12.17
46	m	TOLUENE	0.333	0.295	11.4	83	0.00	12.72-13.13
47	m	trans-1,3-DICHLOROPROP	0.219	0.194	11.4	79	0.00	12.31-12.62
48	m	1,1,2-TRICHLOROETHANE	0.172	0.158	8.1	86	0.00	12.46-12.82
49	I	CHLOROBENZENE-D5	1.000	1.000	0.0	89	0.00	14.55-14.86
50	m	2-HEXANONE	0.322	0.301	6.5	85	0.00	12.95-13.35
51	m	TETRACHLOROETHYLENE	0.334	0.329	1.5	91	0.00	13.85-14.26
52	m	DIBROMOCHLOROMETHANE	0.457	0.471	-3.1	91	0.00	13.17-13.53
53	m	1,2-DIBROMOETHANE	0.366	0.342	6.6	88	0.00	13.44-13.75
54	m	CHLOROBENZENE	0.529	0.492	7.0	86	0.00	14.60-14.91
55	m	ETHYLBENZENE	0.835	0.792	5.1	83	0.00	14.95-15.31
56	m	m,p-XYLENE	0.316	0.309	2.2	85	0.00	15.15-15.51
57	m	o-XYLENE	0.321	0.313	2.5	85	0.00	15.64-16.01
58	m	STYRENE	0.450	0.460	-2.2	85	0.00	15.55-15.86
59	m	NONANE	0.410	0.418	-2.0	88	0.00	15.87-16.18
		----------	True	Calc.	% Drift		----------	
60	m	BROMOFORM	10.000	9.823	1.8	88	0.00	15.27-15.58
		----------	AvgRF	CCRF	% Dev		----------	
61	S	4-BROMOFLUOROBENZENE	0.734	0.792	-7.9	93	0.00	16.17-16.48
62	m	1,1,2,2-TETRACHLOROETH	0.503	0.487	3.2	89	0.00	15.66-15.97
63	m	ISOPROPYLBENZENE	0.984	0.975	0.9	87	0.00	16.31-16.62
64	m	2-CHLOROTOLUENE	0.707	0.718	-1.6	89	0.00	16.81-17.22
65	m	4-ETHYLTOLUENE	0.881	0.860	2.4	82	0.00	17.08-17.34
66	m	1,3,5-TRIMETHYLBENZENE	0.855	0.873	-2.1	88	0.00	17.16-17.42
67	m	1,2,4-TRIMETHYLBENZENE	0.788	0.846	-7.4	92	0.00	17.60-17.91
68	m	m-DICHLOROBENZENE	0.551	0.562	-2.0	92	0.00	17.78-18.11
		----------	True	Calc.	% Drift		----------	
69	m	BENZYL CHLORIDE	10.000	10.142	-1.4	92	0.00	17.76-18.07
		----------	AvgRF	CCRF	% Dev		----------	
70	m	p-DICHLOROBENZENE	0.532	0.565	-6.2	92	0.00	17.89-18.13
71	m	o-DICHLOROBENZENE	0.525	0.515	1.9	91	0.00	18.25-18.56
		----------	True	Calc.	% Drift		----------	
72	m	HEXACHLOROBUTADIENE	10.000	14.094	-40.9#	113	0.00	20.59-21.00
73	m	1,2,4-TRICHLOROBENZENE	10.000	13.186	-31.9#	113	0.00	20.10-20.51
		----------	AvgRF	CCRF	% Dev		----------	
74	m	NAPHTHALENE		----------NA----------				
75		2-METHYLNAPHTHALENE		----------NA----------				
76		1-METHYLNAPHTHALENE		----------NA----------				

Continuing Calibration Summary

Job Number: M66993
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ214-CC214
Lab FileID: Q3984A.D

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   (#) = Out of Range                SPCC's out = 0  CCC's out = 0
    Q3979.D    Q071607T.m       Tue Jul 17 14:06:51 2007   RPT1
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Initial Calibration Verification

Job Number: M66993
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ214-ICV214
Lab FileID: Q3984.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\Q3984.D Vial: 3
Acq On : 17 Jul 2007 8:45 am Operator: danat
Sample : icv214-10 (M209) Inst : MAMSQ
Misc : MS13893, MSQ214,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\msdchem\1\METHODS\Q071607T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Tue Jul 17 08:27:00 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)	RT Window
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	90	0.00	8.43- 8.84
2	m	DICHLORODIFLUOROMETHAN	3.382	3.665	-8.4	106	0.00	3.83- 4.24
3	m	PROPYLENE	0.528	0.555	-5.1	90	0.00	3.76- 4.17
4	m	FREON 114	3.132	3.364	-7.4	102	0.00	4.09- 4.50
5	m	CHLOROMETHANE	0.725	0.769	-6.1	99	0.00	4.00- 4.41
6	m	VINYL CHLORIDE	0.853	0.905	-6.1	98	0.00	4.21- 4.63
7	m	1,3-BUTADIENE	0.695	0.745	-7.2	100	0.00	4.35- 4.77
8	m	BROMOMETHANE	0.963	1.045	-8.5	99	0.00	4.63- 5.04
9	m	CHLOROETHANE	0.338	0.385	-13.9	96	0.00	4.80- 5.22
10	m	TRICHLOROFLUOROMETHANE	3.317	3.787	-14.2	112	0.00	5.58- 5.99
		----------	True	Calc.	% Drift	----------		
11	m	ISOPROPYL ALCOHOL	10.000	9.677	3.2	93	0.00	5.59- 6.06
12	m	ACETONE	10.000	8.199	18.0	80	0.00	5.39- 5.80
		----------	AvgRF	CCRF	% Dev	----------		
13	m	PENTANE	0.727	0.836	-15.0	109	0.00	5.99- 6.30
14	m	1,1-DICHLOROETHYLENE	0.932	0.975	-4.6	98	0.00	6.22- 6.63
15	m	CARBON DISULFIDE	2.346	2.727	-16.2	108	0.00	6.65- 7.06
16	m	ETHANOL	0.248	0.201	19.0	85	0.00	4.86- 5.33
17	m	BROMOETHENE	0.961	1.033	-7.5	100	0.00	5.16- 5.58
		----------	True	Calc.	% Drift	----------		
18	m	METHYLENE CHLORIDE	10.000	7.273	27.3	71	0.00	6.39- 6.69
		----------	AvgRF	CCRF	% Dev	----------		
19	m	3-CHLOROPROPENE	0.700	0.778	-11.1	108	0.00	6.45- 6.87
20	m	FREON 113	2.317	2.096	9.5	91	0.00	6.59- 7.01
21	m	TRANS-1,2-DICHLOROETHY	0.894	0.960	-7.4	100	0.00	7.26- 7.67
22	m	TERTIARY BUTYL ALCOHOL	1.573	1.677	-6.6	98	0.00	6.17- 6.69
23	m	METHYL TERTIARY BUTYL	2.070	1.977	4.5	90	0.00	7.50- 7.92
24	m	TETRAHYDROFURAN	0.624	0.562	9.9	80	0.00	9.00- 9.29
		----------	True	Calc.	% Drift	----------		
25	m	HEXANE	10.000	7.939	20.6	75	0.00	8.46- 8.87
		----------	AvgRF	CCRF	% Dev	----------		
26	m	VINYL ACETATE	1.501	1.436	4.3	94	0.00	7.61- 7.96
27	m	1,1-DICHLOROETHANE	1.477	1.576	-6.7	102	0.00	7.46- 7.87
28	m	METHYL ETHYL KETONE	1.356	1.234	9.0	86	0.00	7.79- 8.27
29	m	cis-1,2-DICHLOROETHYLE	0.790	0.808	-2.3	94	0.00	8.26- 8.68
30	m	ETHYL ACETATE	2.643	2.040	22.8	80	0.00	8.45- 8.87

Initial Calibration Verification

Job Number: M66993
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ214-ICV214
Lab FileID: Q3984.D

31	m	CHLOROFORM	2.044	2.087	-2.1	95	0.00	8.54- 8.96
32	m	1,1,1-TRICHLOROETHANE	2.064	2.182	-5.7	99	0.00	9.50- 9.92
33	m	CARBON TETRACHLORIDE	2.419	2.708	-11.9	101	0.00	10.09-10.50
34	m	1,2-DICHLOROETHANE	1.200	1.223	-1.9	96	0.00	9.26- 9.67
35	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	90	0.00	10.26-10.67
36	m	BENZENE	0.461	0.423	8.2	86	0.00	9.94-10.36
37	m	CYCLOHEXANE	0.197	0.197	0.0	89	0.00	10.21-10.62
38	m	TRICHLOROETHYLENE	0.258	0.261	-1.2	94	0.00	10.99-11.30
39	m	1,2-DICHLOROPROPANE	0.156	0.145	7.1	86	0.00	10.72-11.13
40	m	BROMODICHLOROMETHANE	0.410	0.419	-2.2	95	0.00	10.95-11.26
41	m	2,2,4-TRIMETHYLPENTANE	0.704	0.715	-1.6	92	0.00	10.96-11.37
42	m	1,4-DIOXANE	0.091	0.086	5.5	87	0.00	10.87-11.40
43	m	HEPTANE	0.258	0.256	0.8	90	0.00	11.25-11.56
44	m	METHYL ISOBUTYL KETONE	0.331	0.315	4.8	86	0.00	11.76-12.20
45	m	cis-1,3-DICHLOROPROPEN	0.239	0.241	-0.8	92	0.00	11.76-12.17
46	m	TOLUENE	0.333	0.295	11.4	83	0.00	12.72-13.13
47	m	trans-1,3-DICHLOROPROP	0.219	0.194	11.4	79	0.00	12.31-12.62
48	m	1,1,2-TRICHLOROETHANE	0.172	0.158	8.1	86	0.00	12.46-12.82
49	I	CHLOROBENZENE-D5	1.000	1.000	0.0	89	0.00	14.55-14.86
50	m	2-HEXANONE	0.322	0.301	6.5	85	0.00	12.95-13.35
51	m	TETRACHLOROETHYLENE	0.334	0.329	1.5	91	0.00	13.85-14.26
52	m	DIBROMOCHLOROMETHANE	0.457	0.471	-3.1	91	0.00	13.17-13.53
53	m	1,2-DIBROMOETHANE	0.366	0.342	6.6	88	0.00	13.44-13.75
54	m	CHLOROBENZENE	0.529	0.492	7.0	86	0.00	14.60-14.91
55	m	ETHYLBENZENE	0.835	0.792	5.1	83	0.00	14.95-15.31
56	m	m,p-XYLENE	0.316	0.309	2.2	85	0.00	15.15-15.51
57	m	o-XYLENE	0.321	0.313	2.5	85	0.00	15.64-16.01
58	m	STYRENE	0.450	0.460	-2.2	85	0.00	15.55-15.86
59	m	NONANE	0.410	0.418	-2.0	88	0.00	15.87-16.18
		----------	True	Calc.	% Drift		----------	
60	m	BROMOFORM	10.000	9.823	1.8	88	0.00	15.27-15.58
		----------	AvgRF	CCRF	% Dev		----------	
61	S	4-BROMOFLUOROBENZENE	0.734	0.792	-7.9	93	0.00	16.17-16.48
62	m	1,1,2,2-TETRACHLOROETH	0.503	0.487	3.2	89	0.00	15.66-15.97
63	m	ISOPROPYLBENZENE	0.984	0.975	0.9	87	0.00	16.31-16.62
64	m	2-CHLOROTOLUENE	0.707	0.718	-1.6	89	0.00	16.81-17.22
65	m	4-ETHYLTOLUENE	0.881	0.860	2.4	82	0.00	17.08-17.34
66	m	1,3,5-TRIMETHYLBENZENE	0.855	0.873	-2.1	88	0.00	17.16-17.42
67	m	1,2,4-TRIMETHYLBENZENE	0.788	0.846	-7.4	92	0.00	17.60-17.91
68	m	m-DICHLOROBENZENE	0.551	0.562	-2.0	92	0.00	17.78-18.11
		----------	True	Calc.	% Drift		----------	
69	m	BENZYL CHLORIDE	10.000	10.142	-1.4	92	0.00	17.76-18.07
		----------	AvgRF	CCRF	% Dev		----------	
70	m	p-DICHLOROBENZENE	0.532	0.565	-6.2	92	0.00	17.89-18.13
71	m	o-DICHLOROBENZENE	0.525	0.515	1.9	91	0.00	18.25-18.56
		----------	True	Calc.	% Drift		----------	
72	m	HEXACHLOROBUTADIENE	10.000	14.094	-40.9#	113	0.00	20.59-21.00
73	m	1,2,4-TRICHLOROBENZENE	10.000	13.186	-31.9#	113	0.00	20.10-20.51
		----------	AvgRF	CCRF	% Dev		----------	
74	m	NAPHTHALENE		----------NA----------				
75		2-METHYLNAPHTHALENE		----------NA----------				
76		1-METHYLNAPHTHALENE		----------NA----------				

Initial Calibration Verification

Job Number: M66993
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ214-ICV214
Lab FileID: Q3984.D

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   (#) = Out of Range                SPCC's out = 0  CCC's out = 0
    Q3979.D    Q071607T.m       Tue Jul 17 14:05:47 2007   RPT1
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Initial Calibration Summary

Job Number: M66993
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ231-ICC231
Lab FileID: Q4372.D

Response Factor Report MAMSQ

Method : C:\msdchem\1\METHODS\Q082307T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Aug 23 15:24:05 2007
Response via : Initial Calibration

Calibration Files
.2 =Q4369.D .5 =Q4368.D 2 =Q4374.D
5 =Q4373.D 10 =Q4372.D 20 =Q4371.D 40 =Q4370.D

Compound	.2	.5	2	5	10	20	40	Avg	%RSD
1) I BROMOCHLOROMETHANE	----------ISTD----------								
2)m DICHLORODIFLUOROM	4.340	3.849	3.186	2.269	2.987	3.092	3.450	3.310	19.97
3)m PROPYLENE	1.127	0.987	0.799	0.563	0.716	0.717	0.806	0.816	22.92
4)m FREON 114	3.432	3.701	3.144	2.234	2.706	2.964	3.470	3.093	16.34
5)m CHLOROMETHANE	0.977	1.036	0.881	0.614	0.753	0.803	0.936	0.857	16.92
6)m VINYL CHLORIDE	0.987	1.214	0.998	0.714	0.890	0.951	1.098	0.979	16.10
7)m 1,3-BUTADIENE	0.841	1.095	0.795	0.546	0.628	0.696	0.820	0.774	22.93
8)m BROMOMETHANE	1.088	1.307	1.077	0.766	0.931	1.014	1.185	1.053	16.56
9)m CHLOROETHANE	0.385	0.520	0.423	0.317	0.384	0.430	0.511	0.424	17.07
10)m TRICHLOROFLUOROME	3.097	3.336	3.005	2.270	2.629	2.772	3.389	2.928	13.66
11)m ISOPROPYL ALCOHOL	1.906	1.532	1.504	1.124	1.198	1.218	1.512	1.428	19.00
12)m ACETONE	1.930	1.472	1.210	0.898	0.987	1.042	1.263	1.258	28.10
13)m PENTANE	1.179	1.186	0.960	0.700	0.807	0.818	0.980	0.947	19.73
14)m 1,1-DICHLOROETHYL	1.131	1.183	1.002	0.742	0.874	0.918	1.128	0.997	16.20
15)m CARBON DISULFIDE	2.438	2.686	2.502	1.916	2.410	2.440	2.995	2.484	13.10
16)m ETHANOL		0.450	0.347	0.255	0.273	0.277	0.342	0.324	22.37
17)m BROMOETHENE	1.084	1.227	0.994	0.731	0.896	0.979	1.169	1.011	16.65
18)m METHYLENE CHLORID	2.394	1.791	0.883	0.644	0.823	0.857	1.059	1.207	53.09
----- Quadratic regression ----- Coefficient = 0.9996									
Response Ratio = 0.03767 + 0.63730 *A + 0.10304 *A^2									
19)m 3-CHLOROPROPENE	0.979	0.951	0.716	0.532	0.692	0.770	0.949	0.798	20.99
20)m FREON 113	2.511	2.427	1.710	1.353	1.620	1.753	2.184	1.937	22.69
21)m TRANS-1,2-DICHLOR	1.004	1.126	0.873	0.688	0.849	0.892	1.122	0.936	16.92
22)m TERTIARY BUTYL AL	1.695	1.642	1.877	1.410	1.521	1.594	1.982	1.675	11.87
23)m METHYL TERTIARY B	2.028	1.976	1.925	1.485	1.672	1.839	2.318	1.892	14.07
24)m TETRAHYDROFURAN	0.823	0.884	0.776	0.592	0.686	0.751	0.929	0.777	14.82
25)m HEXANE	2.279	2.006	1.345	1.003	1.200	1.267	1.550	1.521	30.33
----- Quadratic regression ----- Coefficient = 0.9998									
Response Ratio = 0.04065 + 0.96894 *A + 0.14262 *A^2									
26)m VINYL ACETATE	1.749	1.670	1.425	1.116	1.329	1.511	1.931	1.533	17.89
27)m 1,1-DICHLOROETHAN	1.441	1.667	1.393	1.047	1.405	1.596	1.966	1.502	18.89
28)m METHYL ETHYL KETO	1.863	1.741	1.557	1.202	1.374	1.459	1.811	1.573	15.56
29)m cis-1,2-DICHLOROE	0.893	0.989	0.786	0.608	0.806	0.925	1.172	0.883	20.05
30)m ETHYL ACETATE	3.042	3.014	2.401	1.862	2.119	2.240	2.705	2.483	18.21
31)m CHLOROFORM	1.963	2.160	1.825	1.433	1.837	2.053	2.576	1.978	17.72
32)m 1,1,1-TRICHLOROET	1.877	2.119	1.777	1.377	1.759	2.030	2.578	1.931	19.22
33)m CARBON TETRACHLOR	2.131	2.241	2.138	1.670	2.079	2.253	2.882	2.199	16.33
34)m 1,2-DICHLOROETHAN	1.040	1.224	1.139	0.822	1.056	1.258	1.617	1.165	21.09
35) I 1,4-DIFLUOROBENZENE	----------ISTD----------								
36)m BENZENE	0.500	0.581	0.414	0.329	0.427	0.532	0.732	0.502	26.14
37)m CYCLOHEXANE	0.308	0.277	0.231	0.179	0.212	0.225	0.304	0.248	19.80
38)m TRICHLOROETHYLENE	0.259	0.282	0.225	0.182	0.225	0.261	0.359	0.256	21.81
39)m 1,2-DICHLOROPROPA	0.199	0.194	0.161	0.123	0.152	0.191	0.258	0.183	23.53

Initial Calibration Summary

Job Number: M66993
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ231-ICC231
Lab FileID: Q4372.D

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40)m BROMODICHLOROMETH 0.345 0.387 0.353 0.284 0.370 0.457 0.622 0.403  27.25
41)m 2,2,4-TRIMETHYLPE 0.913 0.969 0.761 0.621 0.757 0.879 1.140 0.863  19.56
42)m 1,4-DIOXANE       0.098 0.109 0.094 0.074 0.086 0.094 0.132 0.098  18.82
43)m HEPTANE           0.362 0.382 0.298 0.236 0.288 0.329 0.425 0.331  19.26
44)m METHYL ISOBUTYL K 0.381 0.375 0.376 0.302 0.335 0.371 0.495 0.377  15.87
45)m cis-1,3-DICHLOROP 0.215 0.243 0.221 0.172 0.218 0.275 0.386 0.247  27.77
46)m TOLUENE           0.458 0.438 0.288 0.227 0.272 0.355 0.503 0.363  29.05
47)m trans-1,3-DICHLOR 0.184 0.209 0.201 0.160 0.202 0.254 0.367 0.225  30.55
         ----- Quadratic regression -----  Coefficient =  0.9999
              Response Ratio = 0.00349 + 0.13775 *A + 0.05721 *A^2

48)m 1,1,2-TRICHLOROET 0.157 0.176 0.158 0.118 0.145 0.181 0.255 0.170  25.25

49) I   CHLOROBENZENE-D5      ----------------ISTD---------------------
50)m 2-HEXANONE        0.387 0.405 0.420 0.334 0.363 0.421 0.575 0.415  18.60
51)m TETRACHLOROETHYLE 0.352 0.357 0.272 0.218 0.268 0.329 0.472 0.324  25.49
52)m DIBROMOCHLOROMETH 0.330 0.376 0.385 0.310 0.402 0.533 0.752 0.441  35.10
         ----- Quadratic regression -----  Coefficient =  0.9999
              Response Ratio = -0.00116 + 0.29921 *A + 0.11355 *A^2

53)m 1,2-DIBROMOETHANE 0.323 0.349 0.327 0.254 0.308 0.386 0.547 0.356  26.17
54)m CHLOROBENZENE     0.519 0.554 0.472 0.376 0.434 0.569 0.813 0.534  26.33
55)m ETHYLBENZENE      0.818 0.852 0.764 0.612 0.710 0.883 1.258 0.842  24.32
56)m m,p-XYLENE        0.296 0.318 0.282 0.226 0.265 0.328 0.478 0.313  25.60
57)m o-XYLENE          0.289 0.312 0.285 0.226 0.263 0.329 0.469 0.310  24.89
58)m STYRENE           0.366 0.393 0.393 0.327 0.388 0.494 0.717 0.440  30.08
         ----- Quadratic regression -----  Coefficient =  1.0000
              Response Ratio = 0.00826 + 0.26533 *A + 0.11250 *A^2

59)m NONANE            0.478 0.489 0.479 0.377 0.431 0.540 0.689 0.498  19.83
60)m BROMOFORM         0.250 0.277 0.318 0.270 0.350 0.483 0.715 0.380  43.93
         ----- Quadratic regression -----  Coefficient =  0.9999
              Response Ratio = -0.00073 + 0.24054 *A + 0.11886 *A^2

61)S 4-BROMOFLUOROBENZ 0.566 0.599 0.576 0.607 0.626 0.642 0.653 0.610   5.33
62)m 1,1,2,2-TETRACHLO 0.407 0.442 0.452 0.365 0.423 0.503 0.681 0.468  22.02
63)m ISOPROPYLBENZENE  0.832 0.906 0.841 0.680 0.790 0.953 1.347 0.907  23.43
64)m 2-CHLOROTOLUENE   0.590 0.629 0.650 0.508 0.593 0.738 1.039 0.678  25.62
65)m 4-ETHYLTOLUENE    0.657 0.743 0.773 0.623 0.734 0.892 1.270 0.813  26.95
66)m 1,3,5-TRIMETHYLBE 0.646 0.745 0.697 0.566 0.645 0.771 1.070 0.734  22.22
67)m 1,2,4-TRIMETHYLBE 0.549 0.621 0.632 0.521 0.600 0.725 1.019 0.667  25.29
68)m m-DICHLOROBENZENE 0.333 0.369 0.376 0.312 0.361 0.451 0.684 0.412  30.99
         ----- Quadratic regression -----  Coefficient =  0.9999
              Response Ratio = 0.01379 + 0.21960 *A + 0.11518 *A^2

69)m BENZYL CHLORIDE   0.186 0.305 0.375 0.336 0.400 0.507 0.748 0.408  43.77
         ----- Quadratic regression -----  Coefficient =  1.0000
              Response Ratio = 0.00564 + 0.26755 *A + 0.11976 *A^2

70)m p-DICHLOROBENZENE 0.295 0.304 0.395 0.312 0.355 0.434 0.649 0.392  31.73
         ----- Quadratic regression -----  Coefficient =  0.9998
              Response Ratio = 0.01376 + 0.22255 *A + 0.10556 *A^2

71)m o-DICHLOROBENZENE 0.309 0.374 0.367 0.298 0.336 0.414 0.608 0.387  27.25
72)m HEXACHLOROBUTADIE 0.365 0.418 0.192 0.153 0.162 0.184 0.261 0.248  42.45
         ----- Quadratic regression -----  Coefficient =  0.9998
              Response Ratio = 0.01353 + 0.10284 *A + 0.03870 *A^2

73)m 1,2,4-TRICHLOROBE 0.075 0.143 0.079 0.087 0.100 0.118 0.184 0.112  35.32
         ----- Quadratic regression -----  Coefficient =  0.9997
```

Initial Calibration Summary

Job Number: M66993
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ231-ICC231
Lab FileID: Q4372.D

```
                Response Ratio = 0.00423 + 0.05681 *A + 0.03143 *A^2

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

          Q082307T.m        Fri Aug 24 15:51:18 2007   RPT1
```

Continuing Calibration Summary

Job Number: M66993
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ231-CC231
Lab FileID: Q4375A.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\Q4375a.D Vial: 3
Acq On : 23 Aug 2007 3:45 pm Operator: danat
Sample : cc231-10 (M055) Inst : MAMSQ
Misc : MS14080, MSQ231,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\msdchem\1\METHODS\Q082307T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Aug 23 15:24:05 2007
Response via : Multiple Level Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	77	0.00	8.42- 8.83
2	m	DICHLORODIFLUOROMETHAN	3.310	4.528	-36.8#	117	0.00	3.83- 4.24
3	m	PROPYLENE	0.816	1.053	-29.0	114	0.00	3.76- 4.17
4	m	FREON 114	3.093	3.681	-19.0	105	0.00	4.09- 4.50
5	m	CHLOROMETHANE	0.857	1.089	-27.1	112	0.00	3.99- 4.41
6	m	VINYL CHLORIDE	0.979	1.209	-23.5	105	0.00	4.22- 4.63
7	m	1,3-BUTADIENE	0.774	0.903	-16.7	111	0.00	4.35- 4.76
8	m	BROMOMETHANE	1.053	1.206	-14.5	100	0.00	4.63- 5.04
9	m	CHLOROETHANE	0.424	0.523	-23.3	105	0.00	4.80- 5.22
10	m	TRICHLOROFLUOROMETHANE	2.928	3.504	-19.7	103	0.00	5.58- 5.99
11	m	ISOPROPYL ALCOHOL	1.428	1.497	-4.8	97	0.00	5.58- 6.06
12	m	ACETONE	1.258	1.201	4.5	94	0.00	5.39- 5.80
13	m	PENTANE	0.947	1.025	-8.2	98	0.00	5.99- 6.29
14	m	1,1-DICHLOROETHYLENE	0.997	1.100	-10.3	97	0.00	6.22- 6.63
15	m	CARBON DISULFIDE	2.484	3.076	-23.8	99	0.00	6.65- 7.06
16	m	ETHANOL	0.324	0.324	0.0	92	0.00	4.86- 5.32
17	m	BROMOETHENE	1.011	1.122	-11.0	97	0.00	5.16- 5.57
		----------	True	Calc.	% Drift		----------	
18	m	METHYLENE CHLORIDE	10.000	12.115	-21.2	90	0.00	6.39- 6.69
		----------	AvgRF	CCRF	% Dev		----------	
19	m	3-CHLOROPROPENE	0.798	0.944	-18.3	106	0.00	6.45- 6.86
20	m	FREON 113	1.937	2.045	-5.6	97	0.00	6.59- 7.00
21	m	TRANS-1,2-DICHLOROETHY	0.936	1.055	-12.7	96	0.00	7.26- 7.67
22	m	TERTIARY BUTYL ALCOHOL	1.675	1.946	-16.2	99	0.00	6.17- 6.69
23	m	METHYL TERTIARY BUTYL	1.892	2.053	-8.5	95	0.00	7.50- 7.91
24	m	TETRAHYDROFURAN	0.777	0.841	-8.2	95	0.00	9.00- 9.28
		----------	True	Calc.	% Drift		----------	
25	m	HEXANE	10.000	12.294	-22.9	93	0.00	8.46- 8.87
		----------	AvgRF	CCRF	% Dev		----------	
26	m	VINYL ACETATE	1.533	1.661	-8.3	97	0.00	7.61- 7.96
27	m	1,1-DICHLOROETHANE	1.502	1.886	-25.6	104	0.00	7.45- 7.87
28	m	METHYL ETHYL KETONE	1.573	1.671	-6.2	94	0.00	7.78- 8.27
29	m	cis-1,2-DICHLOROETHYLE	0.883	0.986	-11.7	95	0.00	8.26- 8.67
30	m	ETHYL ACETATE	2.483	2.661	-7.2	97	0.00	8.45- 8.87
31	m	CHLOROFORM	1.978	2.417	-22.2	102	0.00	8.54- 8.95
32	m	1,1,1-TRICHLOROETHANE	1.931	2.361	-22.3	104	0.00	9.50- 9.91
33	m	CARBON TETRACHLORIDE	2.199	2.696	-22.6	100	0.00	10.08-10.49
34	m	1,2-DICHLOROETHANE	1.165	1.422	-22.1	104	0.00	9.25- 9.66

Continuing Calibration Summary

Job Number: M66993
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ231-CC231
Lab FileID: Q4375A.D

35	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	78	0.00	10.25-10.66
36	m	BENZENE	0.502	0.558	-11.2	102	0.00	9.94-10.35
37	m	CYCLOHEXANE	0.248	0.255	-2.8	94	0.00	10.20-10.62
38	m	TRICHLOROETHYLENE	0.256	0.288	-12.5	100	0.00	10.98-11.29
39	m	1,2-DICHLOROPROPANE	0.183	0.200	-9.3	102	0.00	10.71-11.12
40	m	BROMODICHLOROMETHANE	0.403	0.503	-24.8	106	0.00	10.95-11.26
41	m	2,2,4-TRIMETHYLPENTANE	0.863	1.007	-16.7	103	0.00	10.96-11.37
42	m	1,4-DIOXANE	0.098	0.098	0.0	89	0.00	10.87-11.39
43	m	HEPTANE	0.331	0.390	-17.8	105	0.00	11.25-11.56
44	m	METHYL ISOBUTYL KETONE	0.377	0.426	-13.0	99	0.00	11.75-12.19
45	m	cis-1,3-DICHLOROPROPEN	0.247	0.274	-10.9	97	0.00	11.75-12.16
46	m	TOLUENE	0.363	0.329	9.4	94	0.00	12.71-13.13
			True	Calc.	% Drift			
47	m	trans-1,3-DICHLOROPROP	10.000	11.562	-15.6	92	0.00	12.30-12.61
			AvgRF	CCRF	% Dev			
48	m	1,1,2-TRICHLOROETHANE	0.170	0.185	-8.8	99	0.00	12.46-12.82
49	I	CHLOROBENZENE-D5	1.000	1.000	0.0	74	0.00	14.54-14.85
50	m	2-HEXANONE	0.415	0.471	-13.5	96	0.00	12.94-13.34
51	m	TETRACHLOROETHYLENE	0.324	0.356	-9.9	99	0.00	13.84-14.26
			True	Calc.	% Drift			
52	m	DIBROMOCHLOROMETHANE	10.000	12.523	-25.2	102	0.00	13.16-13.52
			AvgRF	CCRF	% Dev			
53	m	1,2-DIBROMOETHANE	0.356	0.381	-7.0	92	0.00	13.44-13.75
54	m	CHLOROBENZENE	0.534	0.559	-4.7	96	0.00	14.59-14.90
55	m	ETHYLBENZENE	0.842	0.908	-7.8	95	0.00	14.94-15.30
56	m	m,p-XYLENE	0.313	0.329	-5.1	92	0.00	15.14-15.50
57	m	o-XYLENE	0.310	0.342	-10.3	96	0.00	15.64-16.00
			True	Calc.	% Drift			
58	m	STYRENE	10.000	11.956	-19.6	93	0.00	15.55-15.86
			AvgRF	CCRF	% Dev			
59	m	NONANE	0.498	0.608	-22.1	105	0.00	15.86-16.17
			True	Calc.	% Drift			
60	m	BROMOFORM	10.000	12.123	-21.2	99	0.00	15.26-15.57
			AvgRF	CCRF	% Dev			
61	S	4-BROMOFLUOROBENZENE	0.610	0.640	-4.9	76	0.00	16.16-16.47
62	m	1,1,2,2-TETRACHLOROETH	0.468	0.558	-19.2	98	0.00	15.65-15.96
63	m	ISOPROPYLBENZENE	0.907	1.015	-11.9	96	0.00	16.31-16.62
64	m	2-CHLOROTOLUENE	0.678	0.784	-15.6	98	0.00	16.81-17.22
65	m	4-ETHYLTOLUENE	0.813	0.938	-15.4	95	0.00	17.07-17.34
66	m	1,3,5-TRIMETHYLBENZENE	0.734	0.835	-13.8	96	0.00	17.16-17.42
67	m	1,2,4-TRIMETHYLBENZENE	0.667	0.777	-16.5	96	0.00	17.60-17.91
			True	Calc.	% Drift			
68	m	m-DICHLOROBENZENE	10.000	11.834	-18.3	90	0.00	17.77-18.10
69	m	BENZYL CHLORIDE	10.000	11.484	-14.8	88	0.00	17.76-18.07
70	m	p-DICHLOROBENZENE	10.000	11.550	-15.5	86	0.00	17.89-18.13
			AvgRF	CCRF	% Dev			
71	m	o-DICHLOROBENZENE	0.387	0.426	-10.1	94	0.00	18.24-18.55

Continuing Calibration Summary

Job Number: M66993
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ231-CC231
Lab FileID: Q4375A.D

```
            ----------------------- True    Calc.   % Drift  ------------
72 m   HEXACHLOROBUTADIENE     10.000  14.079    -40.8# 108   0.00   20.59-21.00
73 m   1,2,4-TRICHLOROBENZENE  10.000  12.351    -23.5   91   0.00   20.09-20.50

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

   (#) = Out of Range                SPCC's out = 0  CCC's out = 0
    Q4372.D    Q082307T.m       Fri Aug 24 15:53:51 2007   RPT1
```

Initial Calibration Verification

Job Number: M66993
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ231-ICV231
Lab FileID: Q4375.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\Q4375.D Vial: 3
Acq On : 23 Aug 2007 3:45 pm Operator: danat
Sample : icv231-10 (M055) Inst : MAMSQ
Misc : MS14080, MSQ231,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\msdchem\1\METHODS\Q082307T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Aug 23 15:24:05 2007
Response via : Multiple Level Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	77	0.00	8.42- 8.83
2	m	DICHLORODIFLUOROMETHAN	3.310	4.528	-36.8#	117	0.00	3.83- 4.24
3	m	PROPYLENE	0.816	1.053	-29.0	114	0.00	3.76- 4.17
4	m	FREON 114	3.093	3.681	-19.0	105	0.00	4.09- 4.50
5	m	CHLOROMETHANE	0.857	1.089	-27.1	112	0.00	3.99- 4.41
6	m	VINYL CHLORIDE	0.979	1.209	-23.5	105	0.00	4.22- 4.63
7	m	1,3-BUTADIENE	0.774	0.903	-16.7	111	0.00	4.35- 4.76
8	m	BROMOMETHANE	1.053	1.206	-14.5	100	0.00	4.63- 5.04
9	m	CHLOROETHANE	0.424	0.523	-23.3	105	0.00	4.80- 5.22
10	m	TRICHLOROFLUOROMETHANE	2.928	3.504	-19.7	103	0.00	5.58- 5.99
11	m	ISOPROPYL ALCOHOL	1.428	1.497	-4.8	97	0.00	5.58- 6.06
12	m	ACETONE	1.258	1.201	4.5	94	0.00	5.39- 5.80
13	m	PENTANE	0.947	1.025	-8.2	98	0.00	5.99- 6.29
14	m	1,1-DICHLOROETHYLENE	0.997	1.100	-10.3	97	0.00	6.22- 6.63
15	m	CARBON DISULFIDE	2.484	3.076	-23.8	99	0.00	6.65- 7.06
16	m	ETHANOL	0.324	0.324	0.0	92	0.00	4.86- 5.32
17	m	BROMOETHENE	1.011	1.122	-11.0	97	0.00	5.16- 5.57
		----------	True	Calc.	% Drift		----------	
18	m	METHYLENE CHLORIDE	10.000	12.115	-21.2	90	0.00	6.39- 6.69
		----------	AvgRF	CCRF	% Dev		----------	
19	m	3-CHLOROPROPENE	0.798	0.944	-18.3	106	0.00	6.45- 6.86
20	m	FREON 113	1.937	2.045	-5.6	97	0.00	6.59- 7.00
21	m	TRANS-1,2-DICHLOROETHY	0.936	1.055	-12.7	96	0.00	7.26- 7.67
22	m	TERTIARY BUTYL ALCOHOL	1.675	1.946	-16.2	99	0.00	6.17- 6.69
23	m	METHYL TERTIARY BUTYL	1.892	2.053	-8.5	95	0.00	7.50- 7.91
24	m	TETRAHYDROFURAN	0.777	0.841	-8.2	95	0.00	9.00- 9.28
		----------	True	Calc.	% Drift		----------	
25	m	HEXANE	10.000	12.294	-22.9	93	0.00	8.46- 8.87
		----------	AvgRF	CCRF	% Dev		----------	
26	m	VINYL ACETATE	1.533	1.661	-8.3	97	0.00	7.61- 7.96
27	m	1,1-DICHLOROETHANE	1.502	1.886	-25.6	104	0.00	7.45- 7.87
28	m	METHYL ETHYL KETONE	1.573	1.671	-6.2	94	0.00	7.78- 8.27
29	m	cis-1,2-DICHLOROETHYLE	0.883	0.986	-11.7	95	0.00	8.26- 8.67
30	m	ETHYL ACETATE	2.483	2.661	-7.2	97	0.00	8.45- 8.87
31	m	CHLOROFORM	1.978	2.417	-22.2	102	0.00	8.54- 8.95
32	m	1,1,1-TRICHLOROETHANE	1.931	2.361	-22.3	104	0.00	9.50- 9.91
33	m	CARBON TETRACHLORIDE	2.199	2.696	-22.6	100	0.00	10.08-10.49
34	m	1,2-DICHLOROETHANE	1.165	1.422	-22.1	104	0.00	9.25- 9.66

Initial Calibration Verification

Job Number: M66993
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ231-ICV231
Lab FileID: Q4375.D

35	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	78	0.00	10.25-10.66
36	m	BENZENE	0.502	0.558	-11.2	102	0.00	9.94-10.35
37	m	CYCLOHEXANE	0.248	0.255	-2.8	94	0.00	10.20-10.62
38	m	TRICHLOROETHYLENE	0.256	0.288	-12.5	100	0.00	10.98-11.29
39	m	1,2-DICHLOROPROPANE	0.183	0.200	-9.3	102	0.00	10.71-11.12
40	m	BROMODICHLOROMETHANE	0.403	0.503	-24.8	106	0.00	10.95-11.26
41	m	2,2,4-TRIMETHYLPENTANE	0.863	1.007	-16.7	103	0.00	10.96-11.37
42	m	1,4-DIOXANE	0.098	0.098	0.0	89	0.00	10.87-11.39
43	m	HEPTANE	0.331	0.390	-17.8	105	0.00	11.25-11.56
44	m	METHYL ISOBUTYL KETONE	0.377	0.426	-13.0	99	0.00	11.75-12.19
45	m	cis-1,3-DICHLOROPROPEN	0.247	0.274	-10.9	97	0.00	11.75-12.16
46	m	TOLUENE	0.363	0.329	9.4	94	0.00	12.71-13.13
		----------	True	Calc.	% Drift		----------	
47	m	trans-1,3-DICHLOROPROP	10.000	11.562	-15.6	92	0.00	12.30-12.61
		----------	AvgRF	CCRF	% Dev		----------	
48	m	1,1,2-TRICHLOROETHANE	0.170	0.185	-8.8	99	0.00	12.46-12.82
49	I	CHLOROBENZENE-D5	1.000	1.000	0.0	74	0.00	14.54-14.85
50	m	2-HEXANONE	0.415	0.471	-13.5	96	0.00	12.94-13.34
51	m	TETRACHLOROETHYLENE	0.324	0.356	-9.9	99	0.00	13.84-14.26
		----------	True	Calc.	% Drift		----------	
52	m	DIBROMOCHLOROMETHANE	10.000	12.523	-25.2	102	0.00	13.16-13.52
		----------	AvgRF	CCRF	% Dev		----------	
53	m	1,2-DIBROMOETHANE	0.356	0.381	-7.0	92	0.00	13.44-13.75
54	m	CHLOROBENZENE	0.534	0.559	-4.7	96	0.00	14.59-14.90
55	m	ETHYLBENZENE	0.842	0.908	-7.8	95	0.00	14.94-15.30
56	m	m,p-XYLENE	0.313	0.329	-5.1	92	0.00	15.14-15.50
57	m	o-XYLENE	0.310	0.342	-10.3	96	0.00	15.64-16.00
		----------	True	Calc.	% Drift		----------	
58	m	STYRENE	10.000	11.956	-19.6	93	0.00	15.55-15.86
		----------	AvgRF	CCRF	% Dev		----------	
59	m	NONANE	0.498	0.608	-22.1	105	0.00	15.86-16.17
		----------	True	Calc.	% Drift		----------	
60	m	BROMOFORM	10.000	12.123	-21.2	99	0.00	15.26-15.57
		----------	AvgRF	CCRF	% Dev		----------	
61	S	4-BROMOFLUOROBENZENE	0.610	0.640	-4.9	76	0.00	16.16-16.47
62	m	1,1,2,2-TETRACHLOROETH	0.468	0.558	-19.2	98	0.00	15.65-15.96
63	m	ISOPROPYLBENZENE	0.907	1.015	-11.9	96	0.00	16.31-16.62
64	m	2-CHLOROTOLUENE	0.678	0.784	-15.6	98	0.00	16.81-17.22
65	m	4-ETHYLTOLUENE	0.813	0.938	-15.4	95	0.00	17.07-17.34
66	m	1,3,5-TRIMETHYLBENZENE	0.734	0.835	-13.8	96	0.00	17.16-17.42
67	m	1,2,4-TRIMETHYLBENZENE	0.667	0.777	-16.5	96	0.00	17.60-17.91
		----------	True	Calc.	% Drift		----------	
68	m	m-DICHLOROBENZENE	10.000	11.834	-18.3	90	0.00	17.77-18.10
69	m	BENZYL CHLORIDE	10.000	11.484	-14.8	88	0.00	17.76-18.07
70	m	p-DICHLOROBENZENE	10.000	11.550	-15.5	86	0.00	17.89-18.13
		----------	AvgRF	CCRF	% Dev		----------	
71	m	o-DICHLOROBENZENE	0.387	0.426	-10.1	94	0.00	18.24-18.55

Initial Calibration Verification

Job Number: M66993
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ231-ICV231
Lab FileID: Q4375.D

```
            ----------------------- True    Calc.   % Drift  ------------
72 m   HEXACHLOROBUTADIENE     10.000  14.079    -40.8# 108   0.00   20.59-21.00
73 m   1,2,4-TRICHLOROBENZENE  10.000  12.351    -23.5   91   0.00   20.09-20.50

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

   (#) = Out of Range              SPCC's out = 0  CCC's out = 0
    Q4372.D    Q082307T.m       Fri Aug 24 15:49:51 2007   RPT1
```

GC/MS Volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4380.D
Acq On : 23 Aug 2007 7:21 pm
Operator : danat
Sample : m66993-1 (M145)
Misc : MS14179, MSQ231,,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 24 16:06:42 2007
Quant Method : C:\msdchem\1\METHODS\Q082307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 23 15:24:05 2007
Response via : Initial Calibration

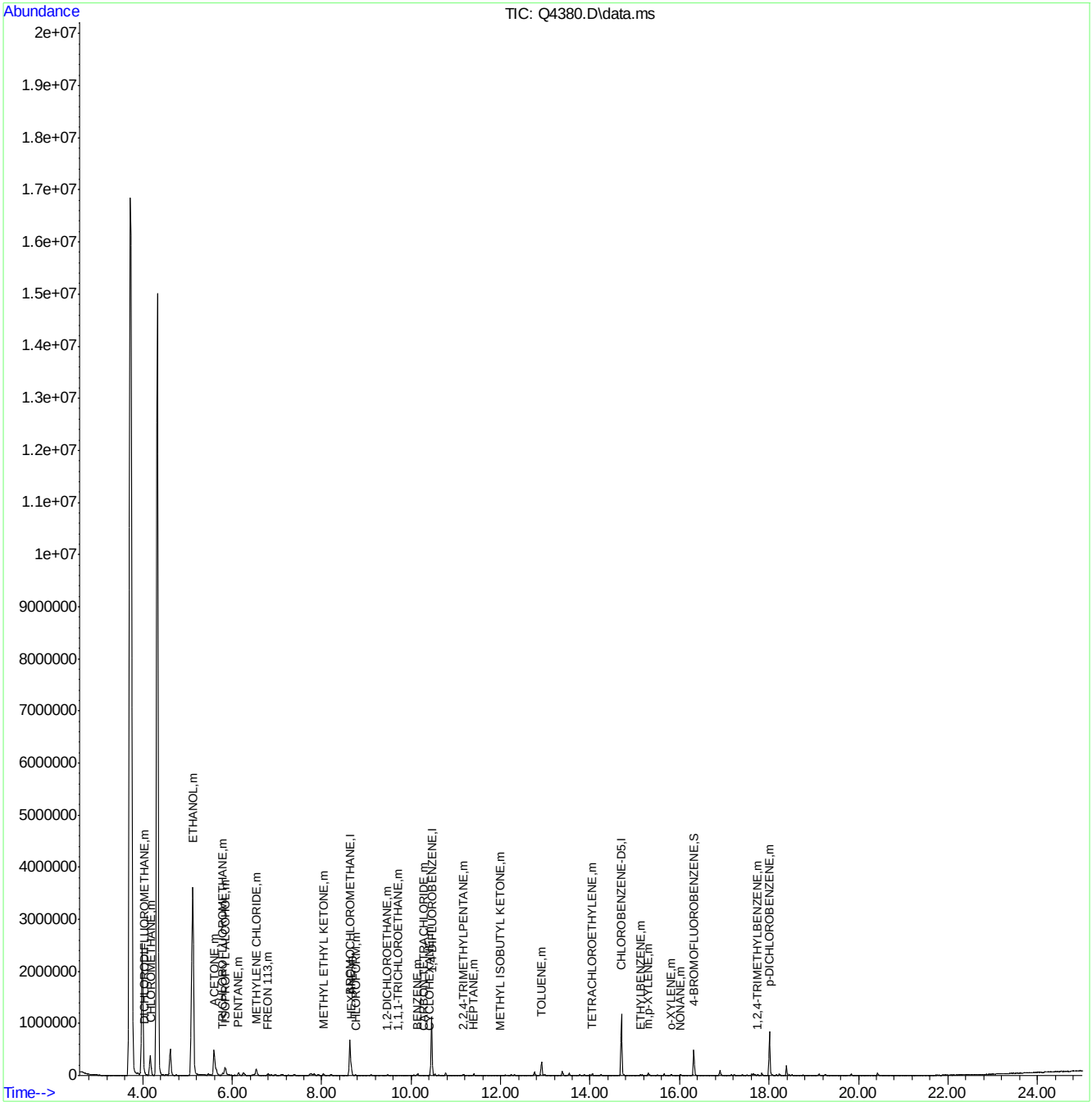
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.628	128	167084	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.454	114	788907	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.700	117	581796	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.320	95	162035	4.57	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 91.40%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.037	85	38459	0.70	PPBV	99
5) CHLOROMETHANE	4.195	50	13961	0.97	PPBV	86
10) TRICHLOROFLUOROMETHANE	5.785	101	38560	0.79	PPBV	99
11) ISOPROPYL ALCOHOL	5.838	45	241655	10.13	PPBV	91
12) ACETONE	5.590	43	796864	37.93	PPBV	100
13) PENTANE	6.143	42	24852	1.57	PPBV	99
16) ETHANOL	5.123	45	6589721	1217.75	PPBV	99
18) METHYLENE CHLORIDE	6.537	84	63995	5.01	PPBV	96
20) FREON 113	6.793	151	11189	0.35	PPBV	97
25) HEXANE	8.664	57	16547	0.60	PPBV #	82
28) METHYL ETHYL KETONE	8.034	43	51511	1.96	PPBV	97
31) CHLOROFORM	8.758	83	6021	0.18	PPBV	93
32) 1,1,1-TRICHLOROETHANE	9.705	97	3126	0.10	PPBV #	70
33) CARBON TETRACHLORIDE	10.284	117	3855	0.10	PPBV	82
34) 1,2-DICHLOROETHANE	9.460	62	3124	0.16	PPBV #	70
36) BENZENE	10.144	78	20883	0.53	PPBV	99
37) CYCLOHEXANE	10.412	84	4756	0.24	PPBV	94
41) 2,2,4-TRIMETHYLPENTANE	11.161	57	16943	0.25	PPBV	90
43) HEPTANE	11.400	43	11313	0.43	PPBV	92
44) METHYL ISOBUTYL KETONE	11.988	43	5745	0.19	PPBV	76
46) TOLUENE	12.916	92	80066	2.80	PPBV	97
51) TETRACHLOROETHYLENE	14.048	164	7761	0.41	PPBV	98
55) ETHYLBENZENE	15.122	91	15121	0.31	PPBV	96
56) m,p-XYLENE	15.294	106	13451	0.74	PPBV #	89
57) o-XYLENE	15.811	106	4789	0.27	PPBV	91
59) NONANE	16.015	43	6953	0.24	PPBV #	76
67) 1,2,4-TRIMETHYLBENZENE	17.750	105	9430	0.24	PPBV	96
70) p-DICHLOROBENZENE	18.008	146	306071	13.88	PPBV	99

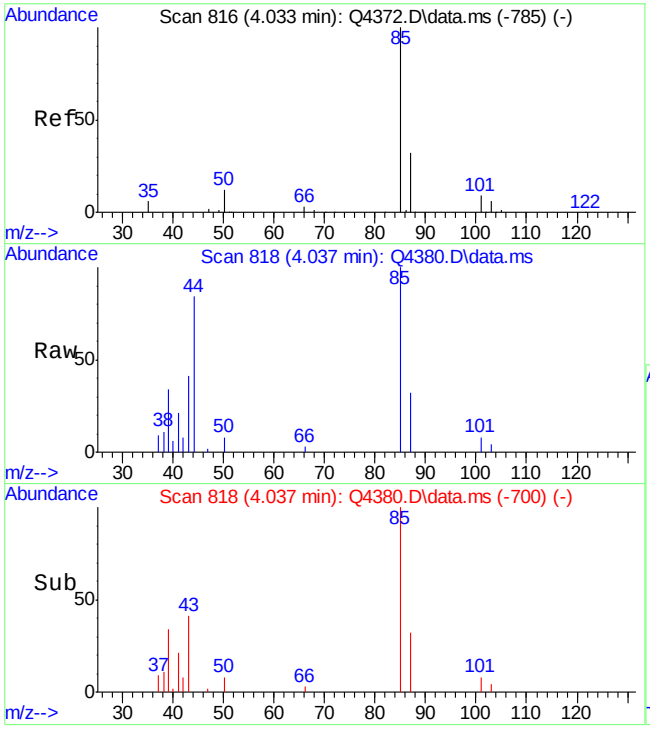
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4380.D
Acq On : 23 Aug 2007 7:21 pm
Operator : danat
Sample : m66993-1 (M145)
Misc : MS14179, MSQ231,,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 24 16:06:42 2007
Quant Method : C:\msdchem\1\METHODS\Q082307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 23 15:24:05 2007
Response via : Initial Calibration

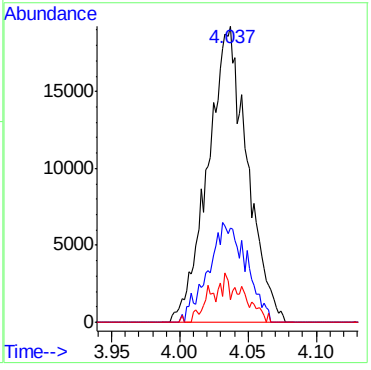


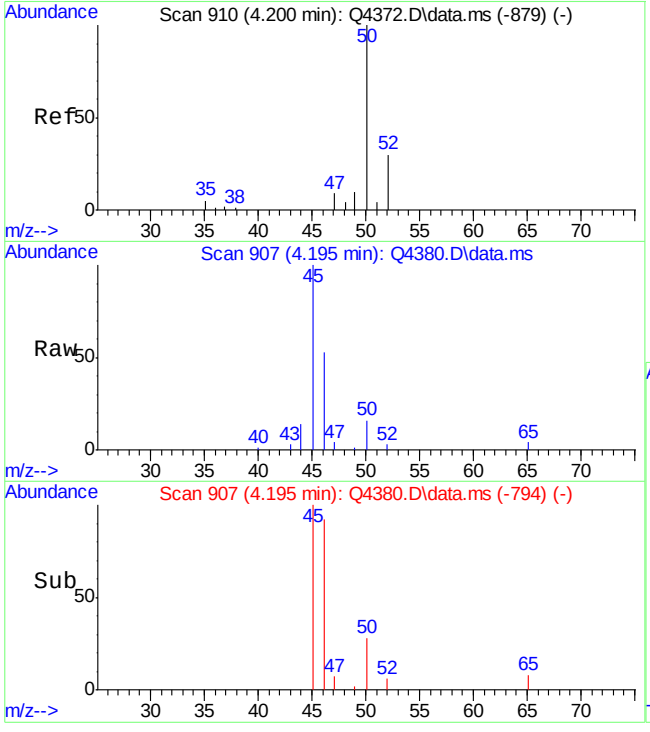


#2
DICHLORODIFLUOROMETHANE
Concen: 0.70 PPBV
RT: 4.037 min Scan# 818
Delta R.T. 0.004 min
Lab File: Q4380.D
Acq: 23 Aug 2007 7:21 pm

Tgt Ion: 85 Resp: 38459

Ion	Ratio	Lower	Upper
85	100		
87	32.9	12.3	52.3
50	13.0	0.0	32.2

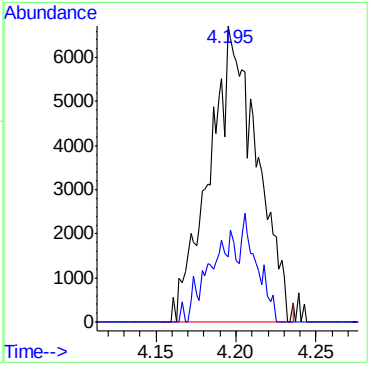


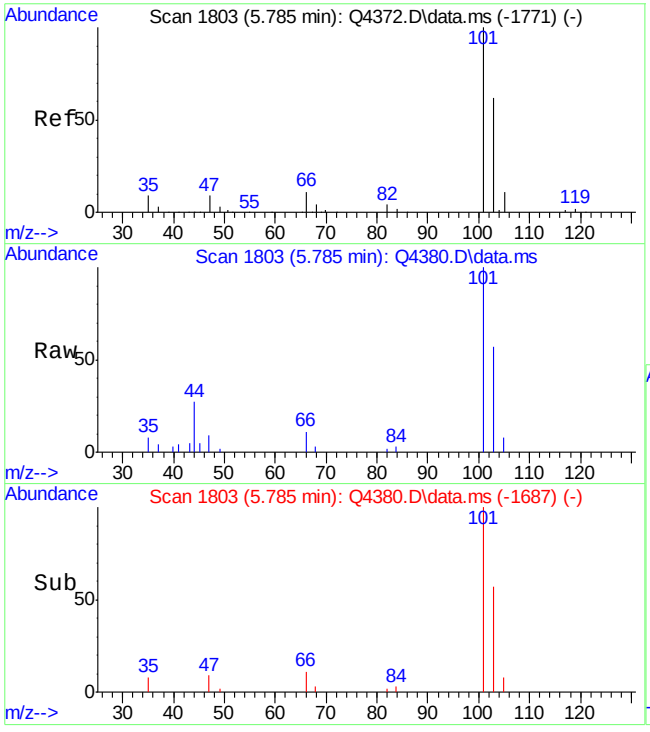


#5
CHLOROMETHANE
Concen: 0.97 PPBV
RT: 4.195 min Scan# 907
Delta R.T. -0.005 min
Lab File: Q4380.D
Acq: 23 Aug 2007 7:21 pm

Tgt Ion: 50 Resp: 13961

Ion	Ratio	Lower	Upper
50	100		
52	22.6	10.3	50.3

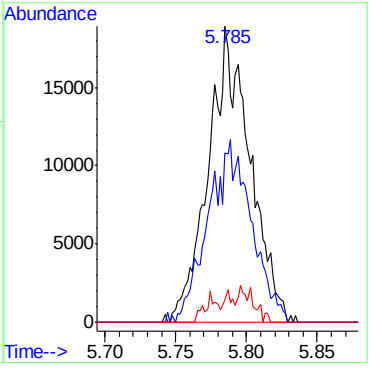


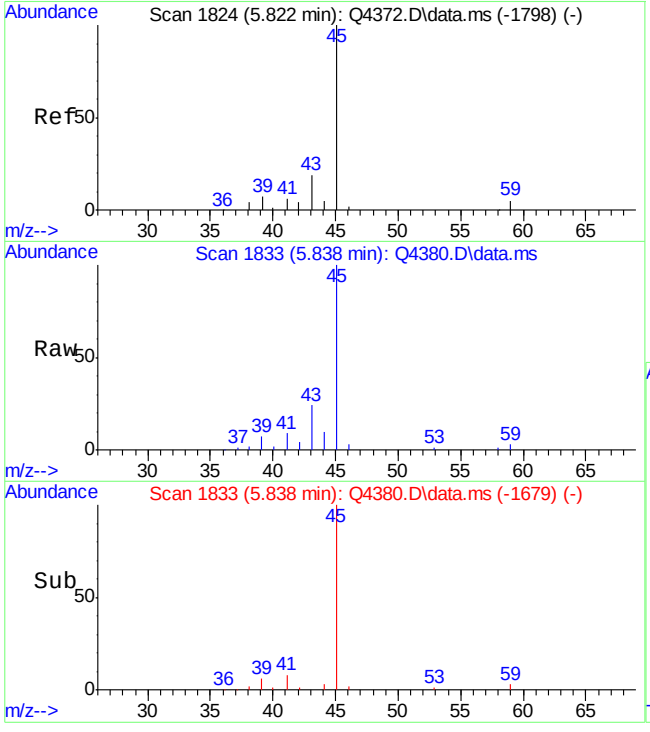


#10
TRICHLOROFLUOROMETHANE
Concen: 0.79 PPBV
RT: 5.785 min Scan# 1803
Delta R.T. 0.000 min
Lab File: Q4380.D
Acq: 23 Aug 2007 7:21 pm

Tgt Ion:101 Resp: 38560

Ion	Ratio	Lower	Upper
101	100		
103	63.9	45.0	85.0
105	9.7	0.0	30.5

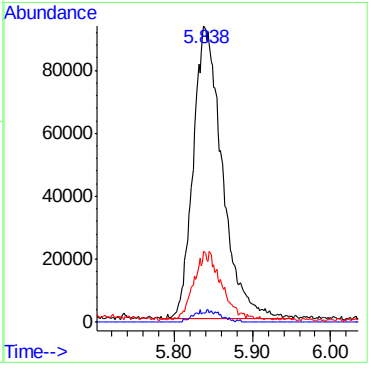


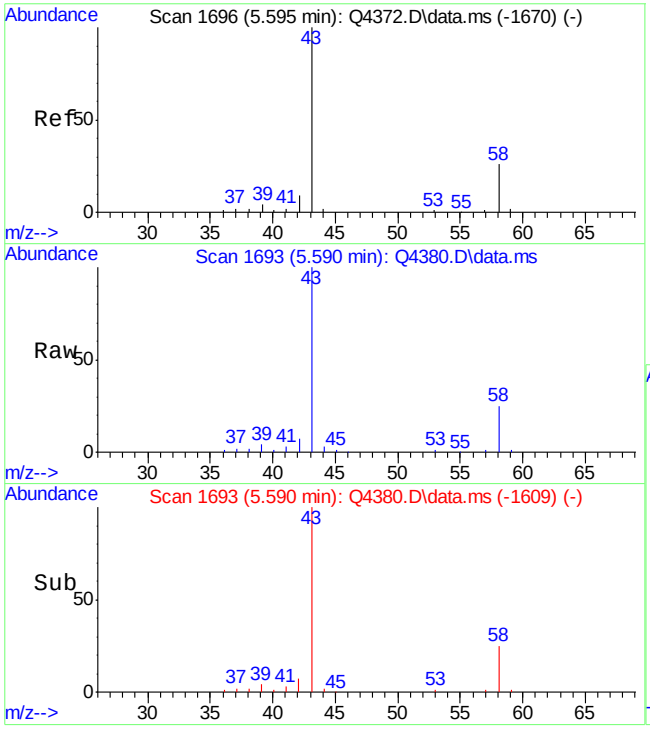


#11
ISOPROPYL ALCOHOL
Concen: 10.13 PPBV
RT: 5.838 min Scan# 1833
Delta R.T. 0.016 min
Lab File: Q4380.D
Acq: 23 Aug 2007 7:21 pm

Tgt Ion: 45 Resp: 241655

Ion	Ratio	Lower	Upper
45	100		
59	2.9	0.0	25.2
43	23.9	0.0	39.3

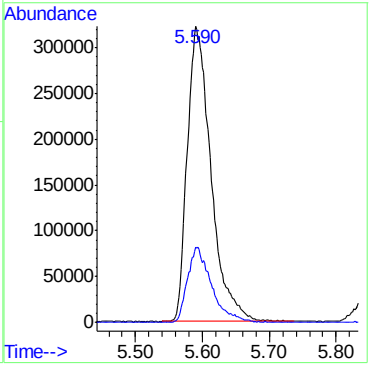


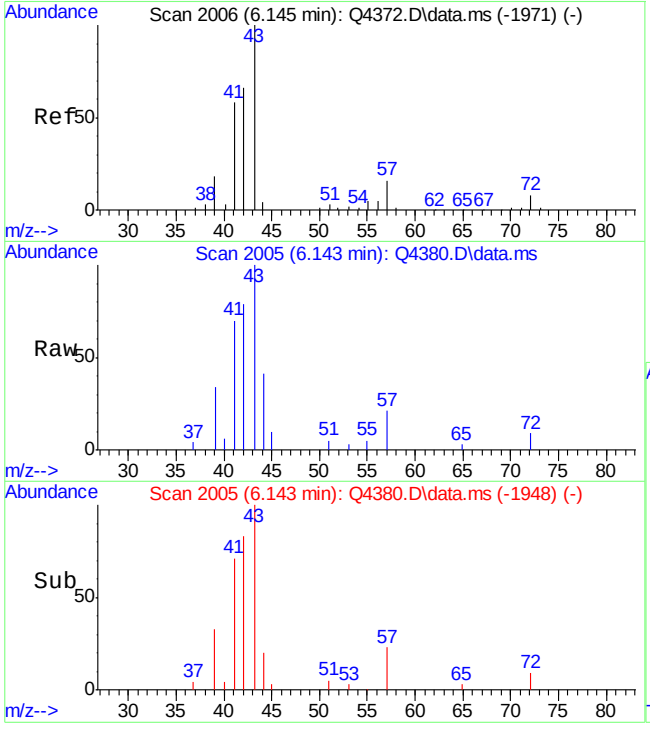


#12
ACETONE
Concen: 37.93 PPBV
RT: 5.590 min Scan# 1693
Delta R.T. -0.005 min
Lab File: Q4380.D
Acq: 23 Aug 2007 7:21 pm

Tgt Ion: 43 Resp: 796864

Ion	Ratio	Lower	Upper
43	100		
58	25.7	5.6	45.6

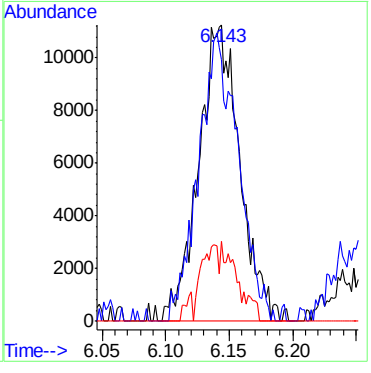


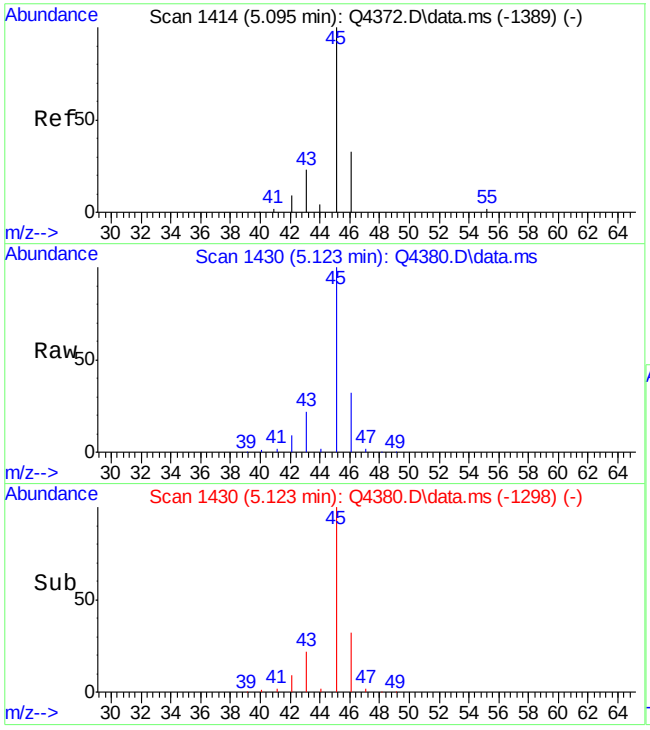


#13
PENTANE
Concen: 1.57 PPBV
RT: 6.143 min Scan# 2005
Delta R.T. -0.002 min
Lab File: Q4380.D
Acq: 23 Aug 2007 7:21 pm

Tgt Ion: 42 Resp: 24852

Ion	Ratio	Lower	Upper
42	100		
41	93.7	72.8	112.8
57	23.3	4.8	44.8

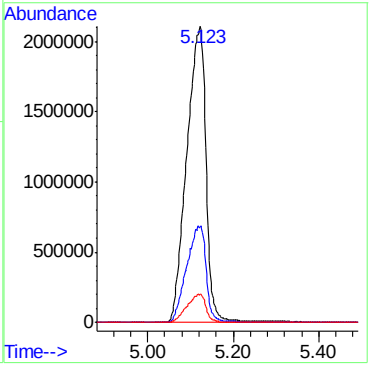


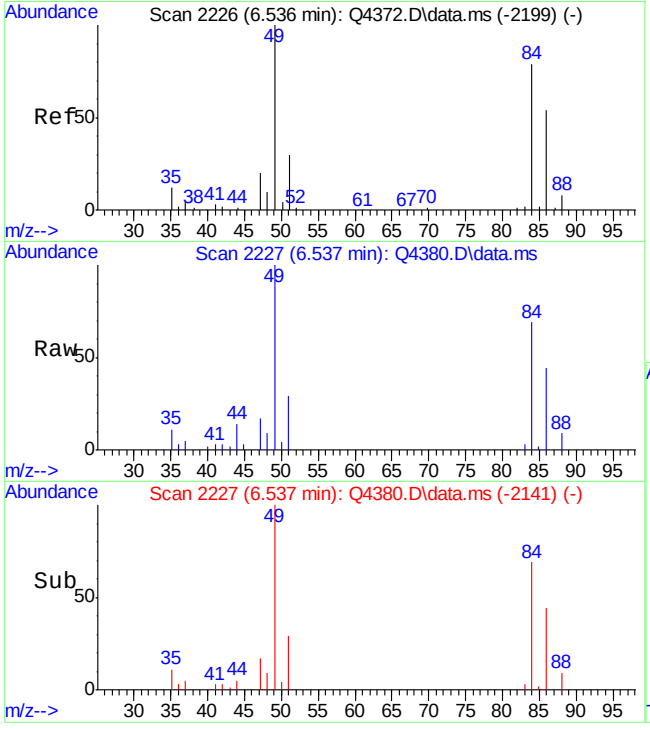


#16
ETHANOL
Concen: 1217.75 PPBV
RT: 5.123 min Scan# 1430
Delta R.T. 0.028 min
Lab File: Q4380.D
Acq: 23 Aug 2007 7:21 pm

Tgt Ion: 45 Resp: 6589721

Ion	Ratio	Lower	Upper
45	100		
46	33.1	13.4	53.4
42	9.4	0.0	28.7

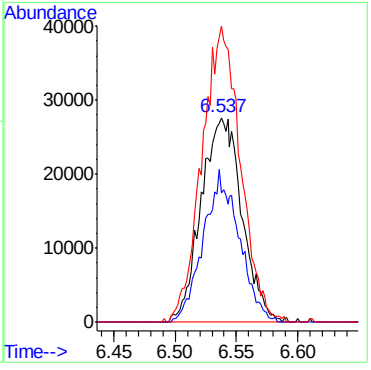


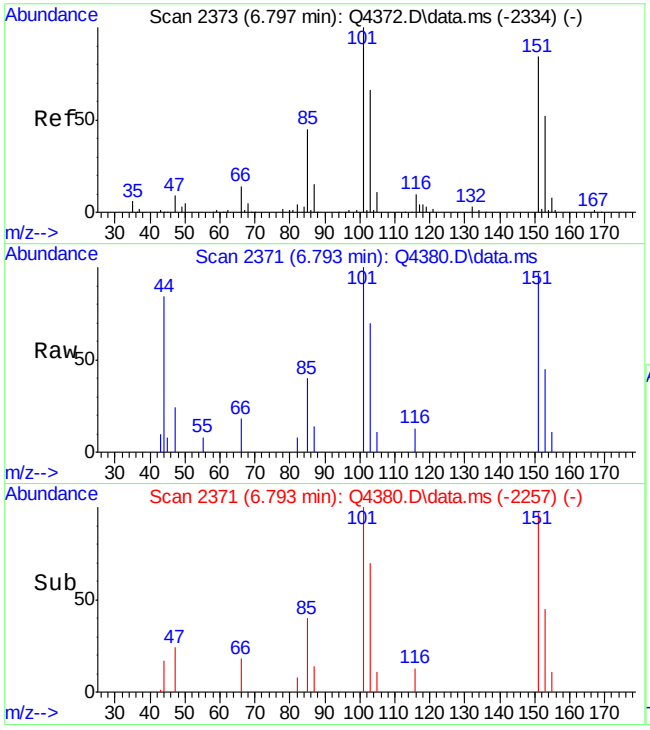


#18
METHYLENE CHLORIDE
Concen: 5.01 PPBV
RT: 6.537 min Scan# 2227
Delta R.T. 0.002 min
Lab File: Q4380.D
Acq: 23 Aug 2007 7:21 pm

Tgt Ion: 84 Resp: 63995

Ion	Ratio	Lower	Upper
84	100		
86	64.7	44.9	84.9
49	136.5	0.0	329.7

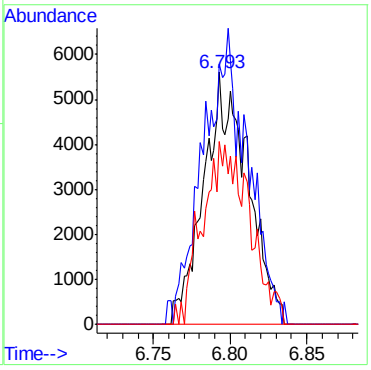


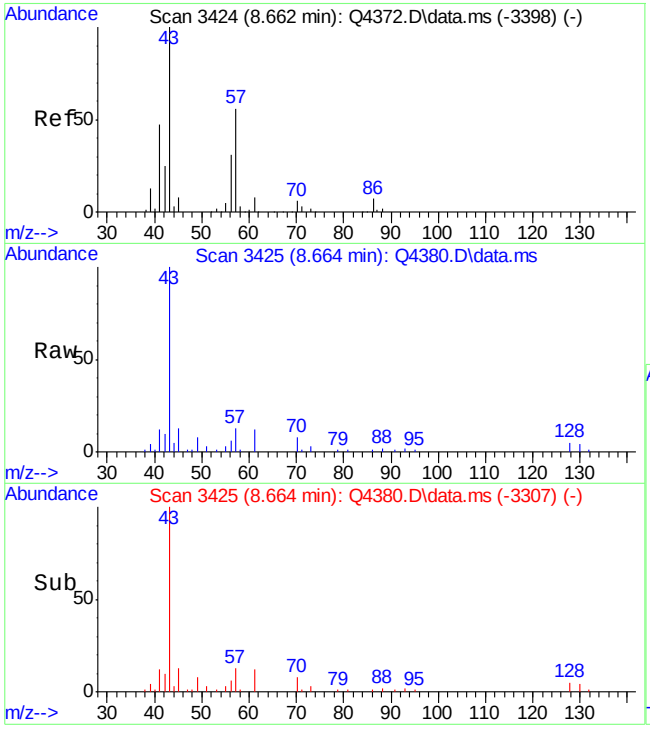


#20
FREON 113
Concen: 0.35 PPBV
RT: 6.793 min Scan# 2371
Delta R.T. -0.003 min
Lab File: Q4380.D
Acq: 23 Aug 2007 7:21 pm

Tgt Ion:151 Resp: 11189

Ion	Ratio	Lower	Upper
151	100		
101	118.7	103.3	143.3
103	76.4	58.7	98.7

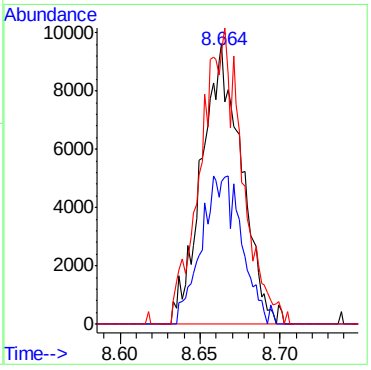


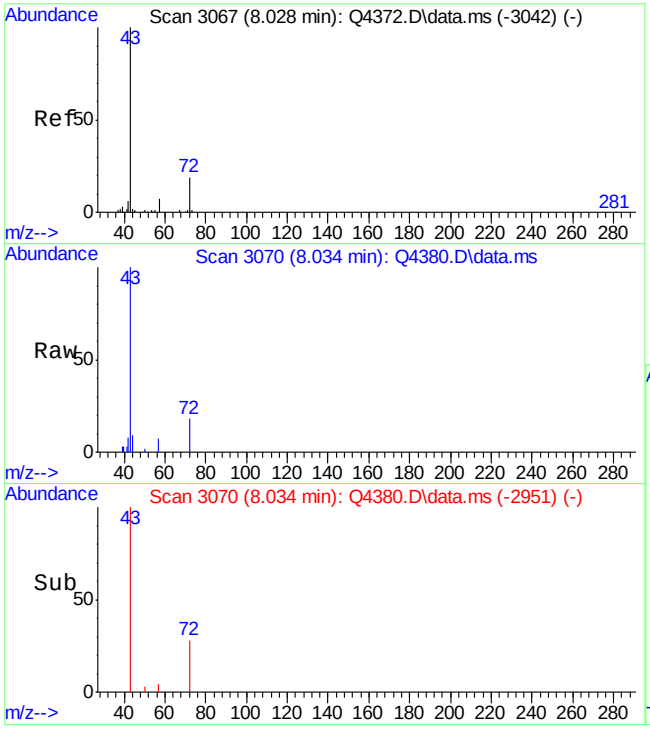


#25
HEXANE
Concen: 0.60 PPBV
RT: 8.664 min Scan# 3425
Delta R.T. 0.003 min
Lab File: Q4380.D
Acq: 23 Aug 2007 7:21 pm

Tgt Ion: 57 Resp: 16547

Ion	Ratio	Lower	Upper
57	100		
56	54.3	32.5	72.5
41	110.3	65.6	105.6#

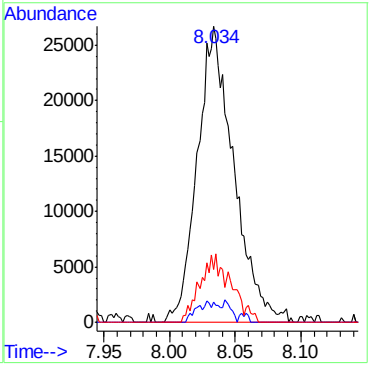


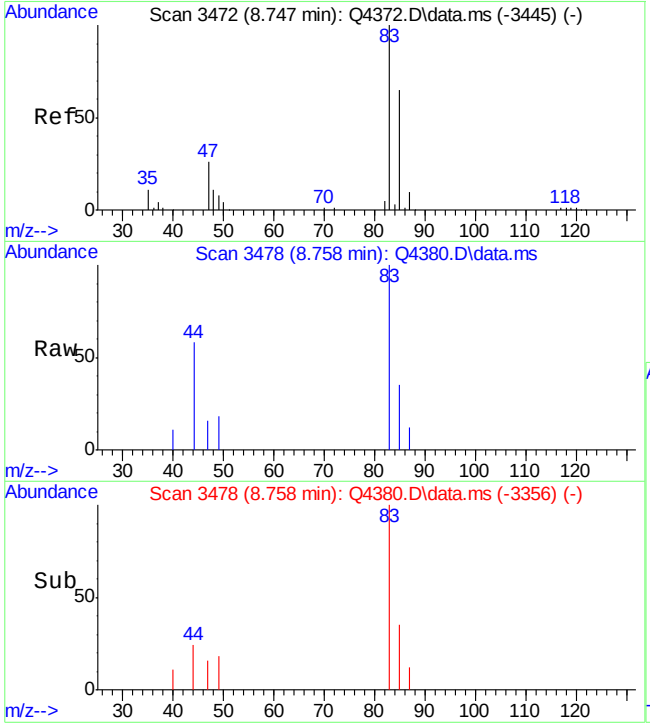


#28
METHYL ETHYL KETONE
Concen: 1.96 PPBV
RT: 8.034 min Scan# 3070
Delta R.T. 0.005 min
Lab File: Q4380.D
Acq: 23 Aug 2007 7:21 pm

Tgt Ion: 43 Resp: 51511

Ion	Ratio	Lower	Upper
43	100		
57	7.0	0.0	27.1
72	18.0	0.0	39.5

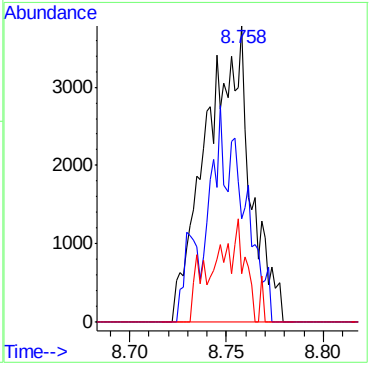




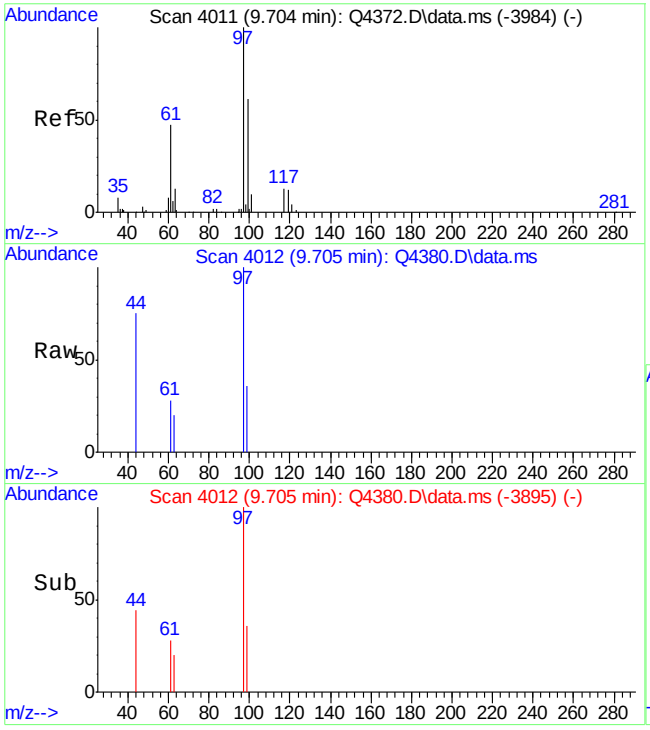
#31
CHLOROFORM
Concen: 0.18 PPBV
RT: 8.758 min Scan# 3478
Delta R.T. 0.011 min
Lab File: Q4380.D
Acq: 23 Aug 2007 7:21 pm

Tgt Ion: 83 Resp: 6021

Ion	Ratio	Lower	Upper
83	100		
85	62.1	43.9	83.9
47	15.0	5.1	45.1



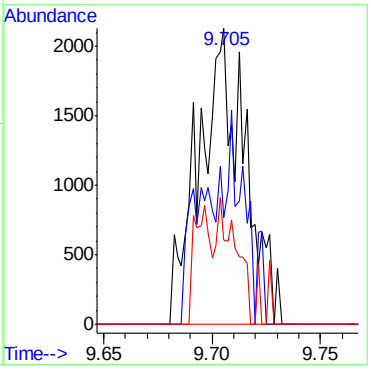
ACCUTEST Laboratories M66993

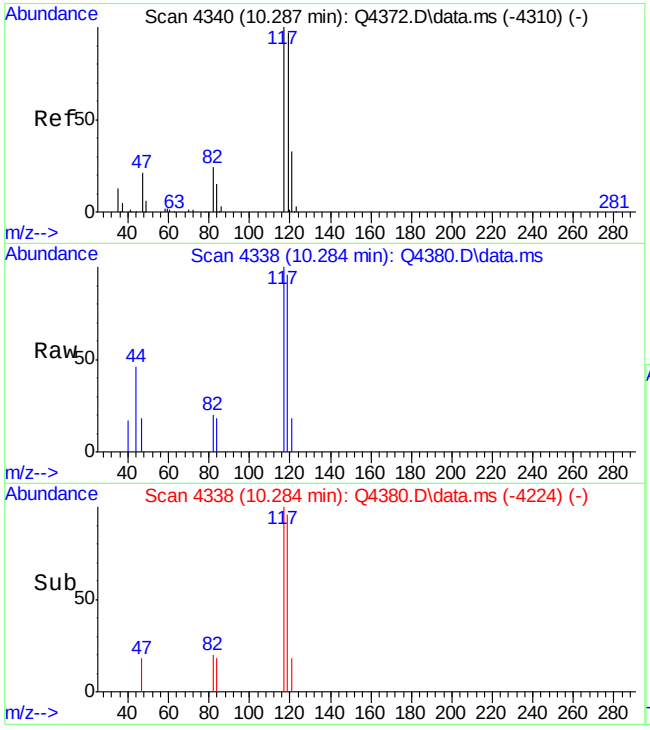


#32
1,1,1-TRICHLOROETHANE
Concen: 0.10 PPBV
RT: 9.705 min Scan# 4012
Delta R.T. 0.002 min
Lab File: Q4380.D
Acq: 23 Aug 2007 7:21 pm

Tgt Ion: 97 Resp: 3126

Ion	Ratio	Lower	Upper
97	100		
99	34.9	44.7	84.7#
61	34.1	26.0	66.0

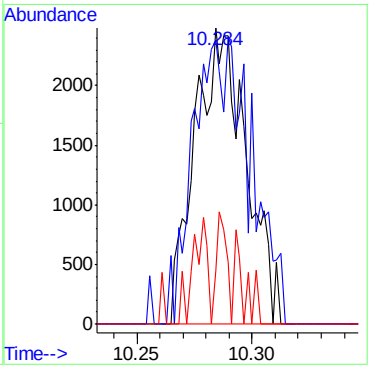


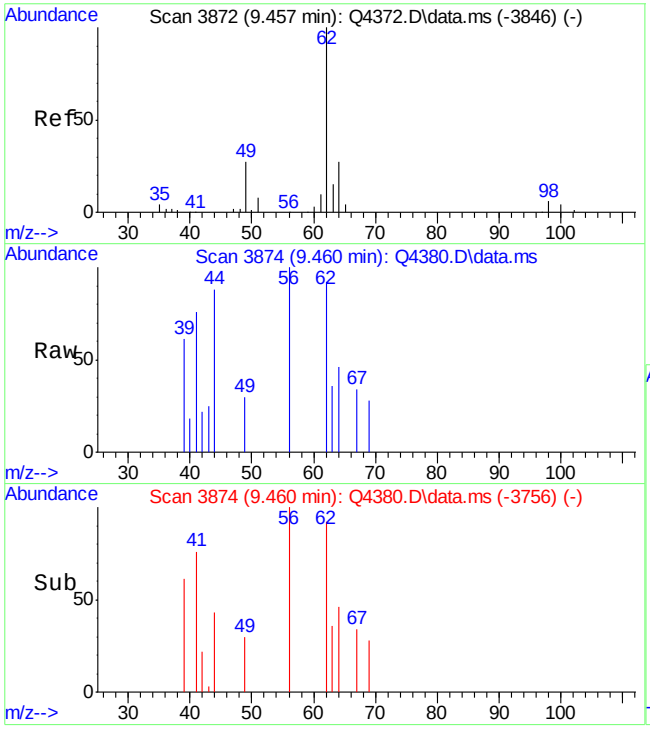


#33
CARBON TETRACHLORIDE
Concen: 0.10 PPBV
RT: 10.284 min Scan# 4338
Delta R.T. -0.003 min
Lab File: Q4380.D
Acq: 23 Aug 2007 7:21 pm

Tgt Ion:117 Resp: 3855

Ion	Ratio	Lower	Upper
117	100		
119	108.0	75.6	115.6
121	12.3	10.8	50.8

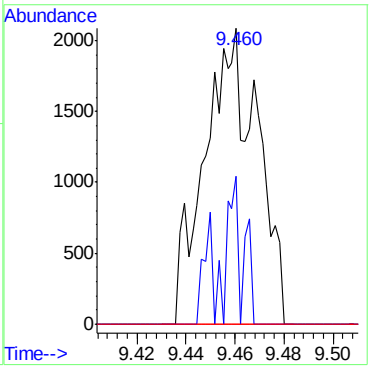


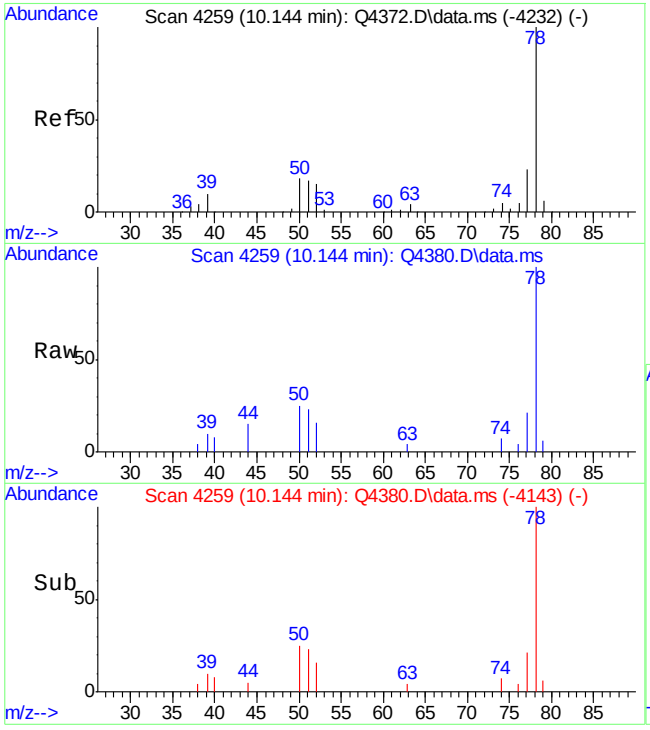


#34
1,2-DICHLOROETHANE
Concen: 0.16 PPBV
RT: 9.460 min Scan# 3874
Delta R.T. 0.004 min
Lab File: Q4380.D
Acq: 23 Aug 2007 7:21 pm

Tgt Ion: 62 Resp: 3124

Ion	Ratio	Lower	Upper
62	100		
64	14.0	11.6	51.6
98	0.0	0.0	26.6

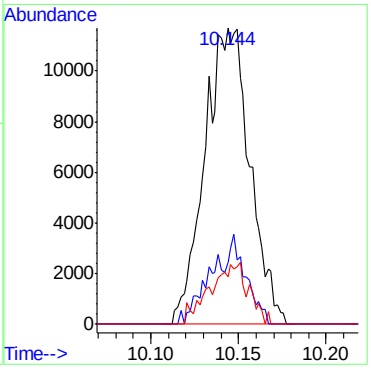


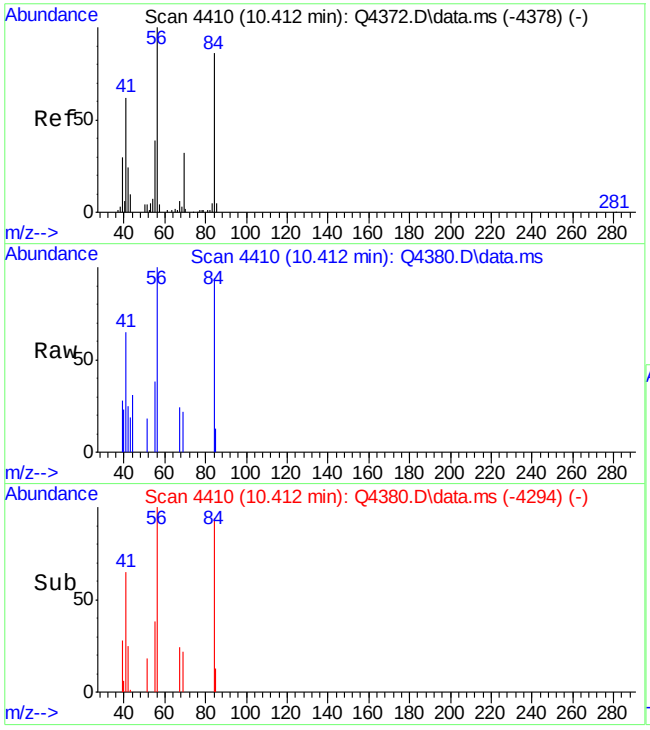


#36
BENZENE
Concen: 0.53 PPBV
RT: 10.144 min Scan# 4259
Delta R.T. 0.000 min
Lab File: Q4380.D
Acq: 23 Aug 2007 7:21 pm

Tgt Ion: 78 Resp: 20883

Ion	Ratio	Lower	Upper
78	100		
77	22.8	3.0	43.0
52	17.8	0.0	36.7

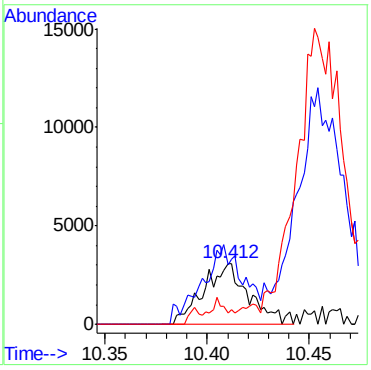


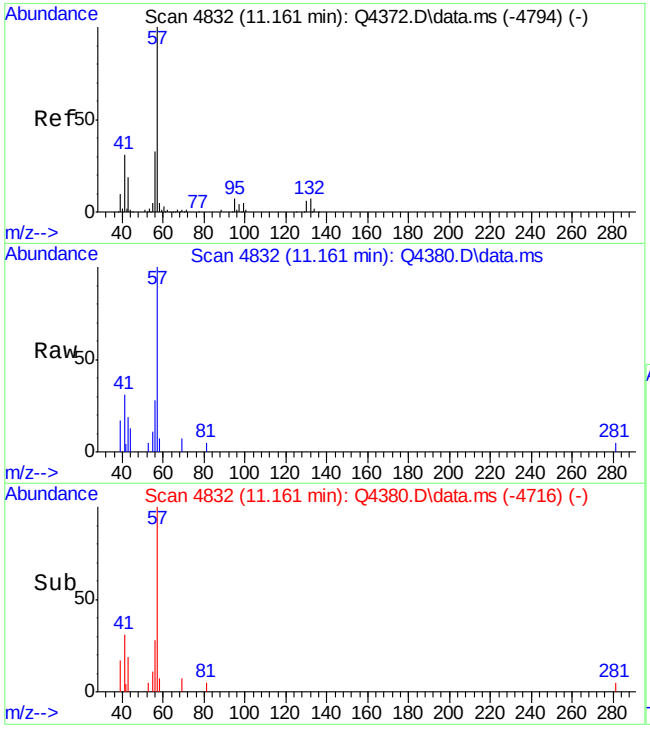


#37
CYCLOHEXANE
Concen: 0.24 PPBV
RT: 10.412 min Scan# 4410
Delta R.T. 0.000 min
Lab File: Q4380.D
Acq: 23 Aug 2007 7:21 pm

Tgt Ion: 84 Resp: 4756

Ion	Ratio	Lower	Upper
84	100		
56	133.0	112.2	152.2
69	22.2	18.2	58.2

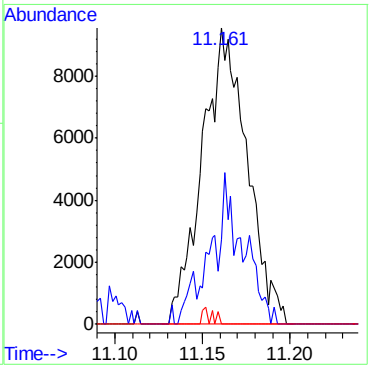




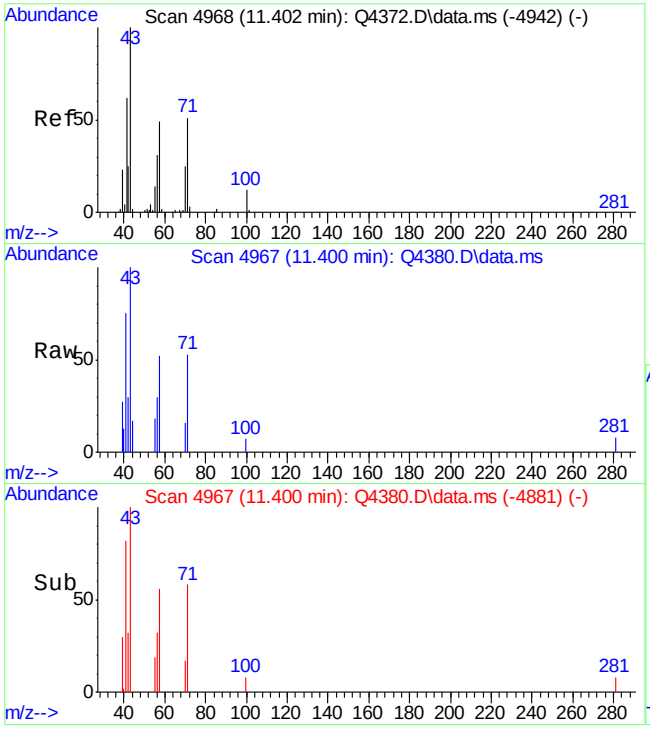
#41
2,2,4-TRIMETHYLPENTANE
Concen: 0.25 PPBV
RT: 11.161 min Scan# 4832
Delta R.T. 0.000 min
Lab File: Q4380.D
Acq: 23 Aug 2007 7:21 pm

Tgt Ion: 57 Resp: 16943

Ion	Ratio	Lower	Upper
57	100		
56	36.8	12.0	52.0
99	1.2	0.0	27.1



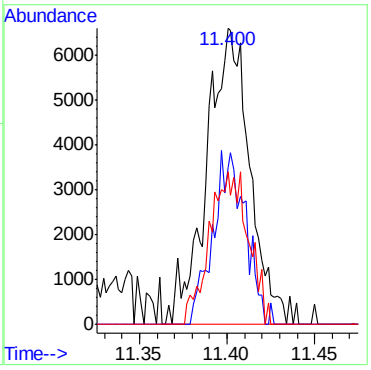
ACCUTEST Laboratories M66993

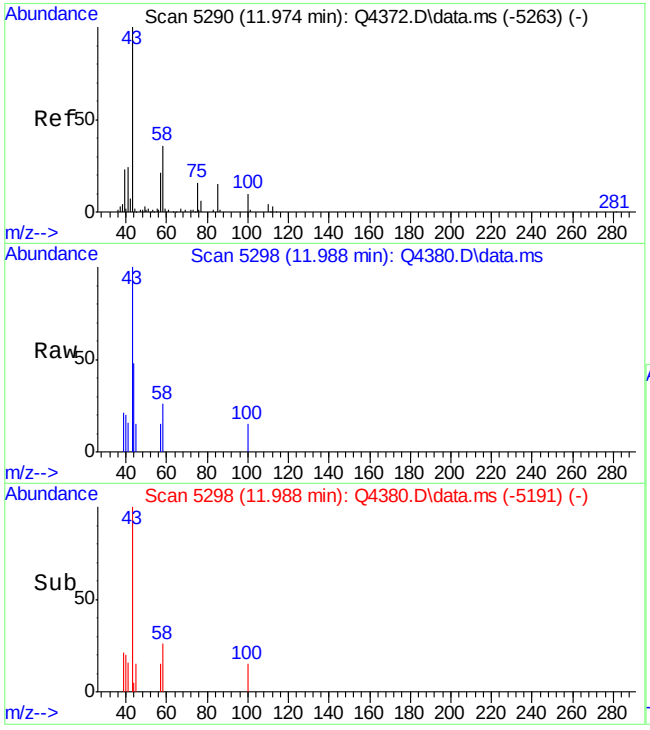


#43
HEPTANE
Concen: 0.43 PPBV
RT: 11.400 min Scan# 4967
Delta R.T. -0.002 min
Lab File: Q4380.D
Acq: 23 Aug 2007 7:21 pm

Tgt Ion: 43 Resp: 11313

Ion	Ratio	Lower	Upper
43	100		
71	44.0	31.1	71.1
57	46.0	29.7	69.7

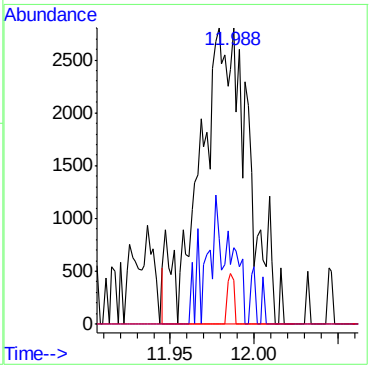


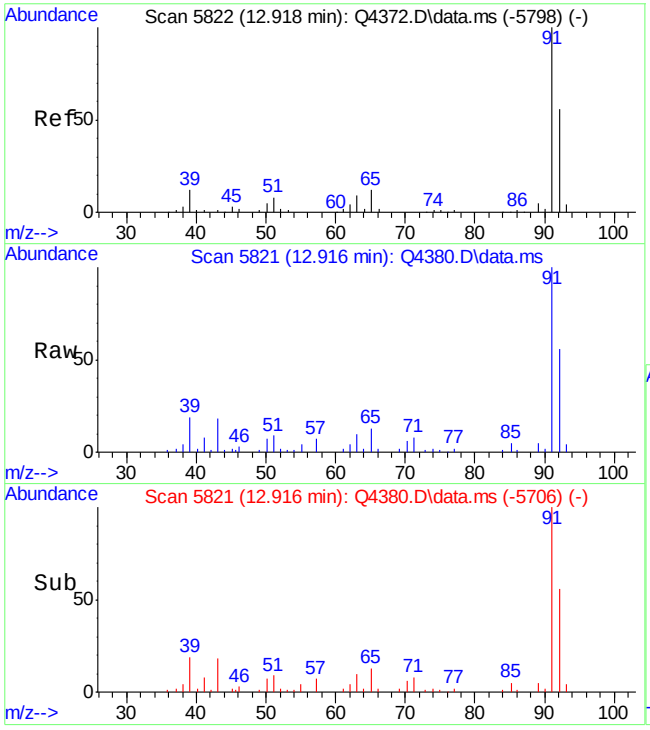


#44
METHYL ISOBUTYL KETONE
Concen: 0.19 PPBV
RT: 11.988 min Scan# 5298
Delta R.T. 0.014 min
Lab File: Q4380.D
Acq: 23 Aug 2007 7:21 pm

Tgt Ion: 43 Resp: 5745

Ion	Ratio	Lower	Upper
43	100		
58	20.3	15.2	55.2
100	2.4	0.0	30.2

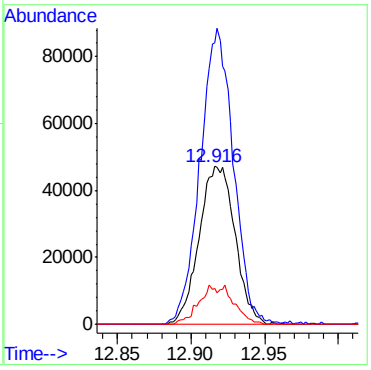


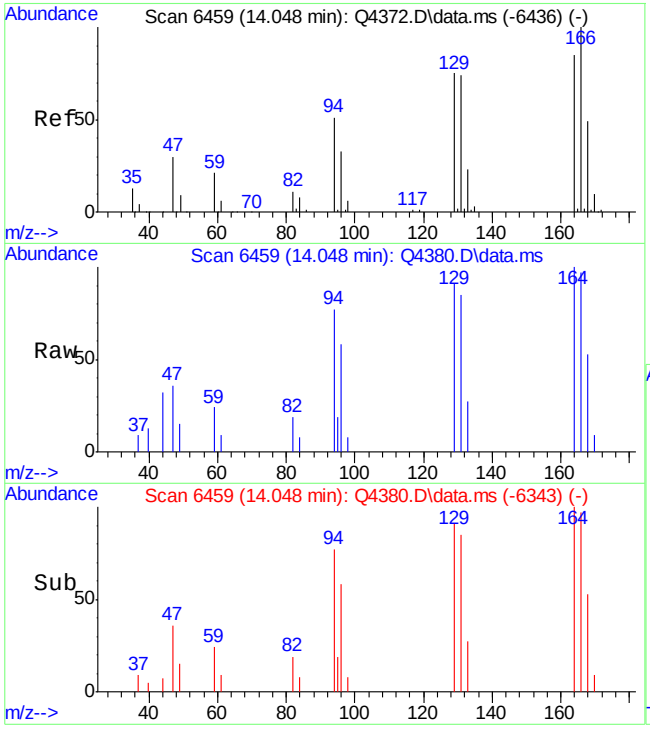


#46
TOLUENE
Concen: 2.80 PPBV
RT: 12.916 min Scan# 5821
Delta R.T. -0.002 min
Lab File: Q4380.D
Acq: 23 Aug 2007 7:21 pm

Tgt Ion: 92 Resp: 80066

Ion	Ratio	Lower	Upper
92	100		
91	174.1	151.1	191.1
65	23.5	0.7	40.7

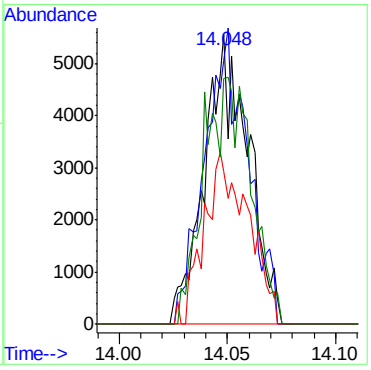


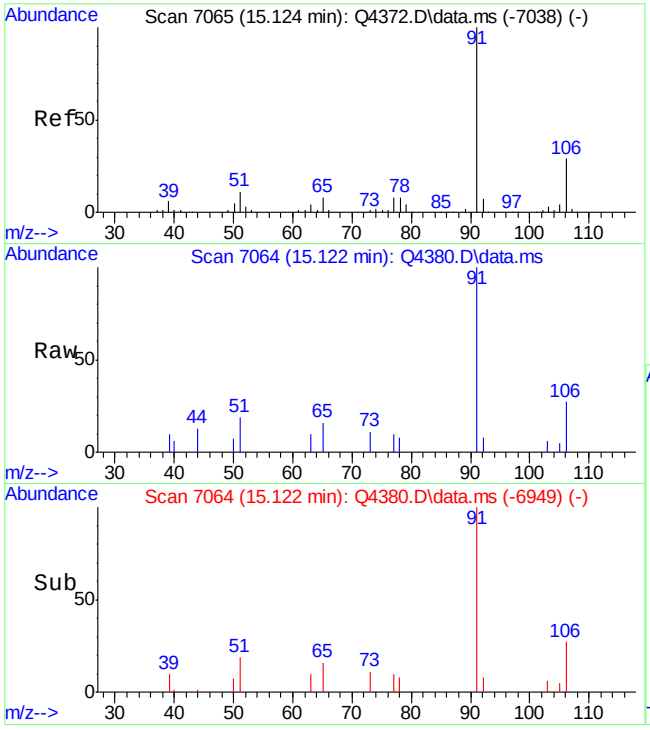


#51
TETRACHLOROETHYLENE
Concen: 0.41 PPBV
RT: 14.048 min Scan# 6459
Delta R.T. 0.000 min
Lab File: Q4380.D
Acq: 23 Aug 2007 7:21 pm

Tgt Ion:164 Resp: 7761

Ion	Ratio	Lower	Upper
164	100		
129	99.3	76.4	116.4
168	59.9	40.9	80.9
131	93.6	73.9	113.9

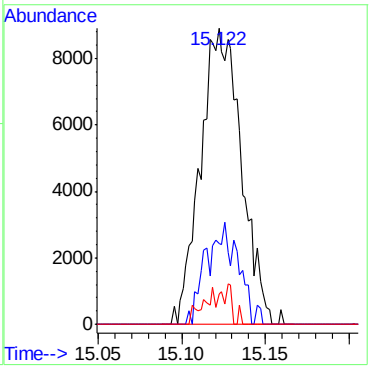


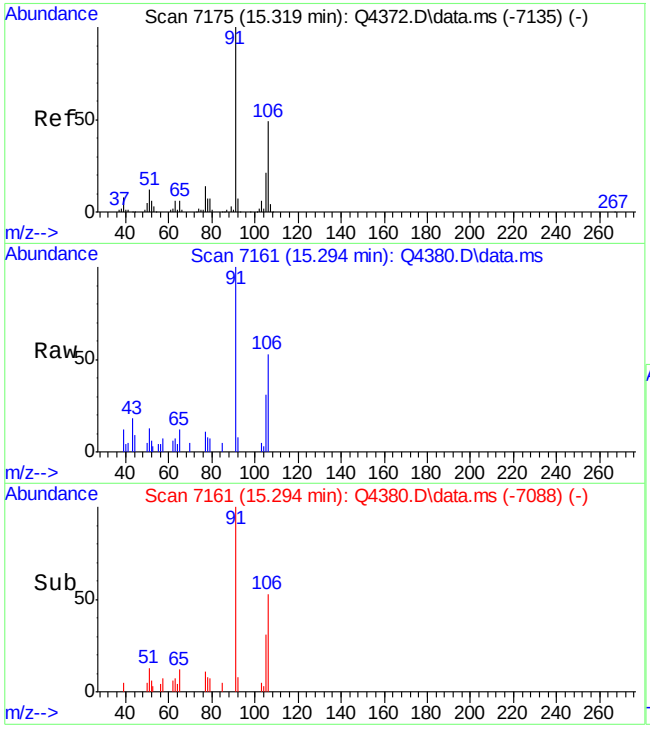


#55
ETHYLBENZENE
Concen: 0.31 PPBV
RT: 15.122 min Scan# 7064
Delta R.T. -0.002 min
Lab File: Q4380.D
Acq: 23 Aug 2007 7:21 pm

Tgt Ion: 91 Resp: 15121

Ion	Ratio	Lower	Upper
91	100		
106	26.7	9.2	49.2
77	7.8	0.0	28.7

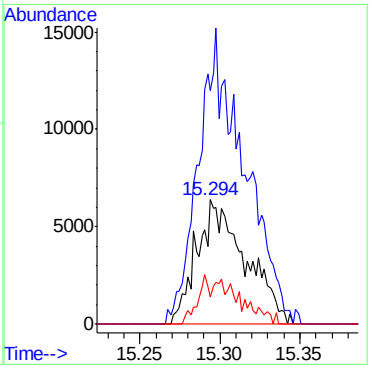


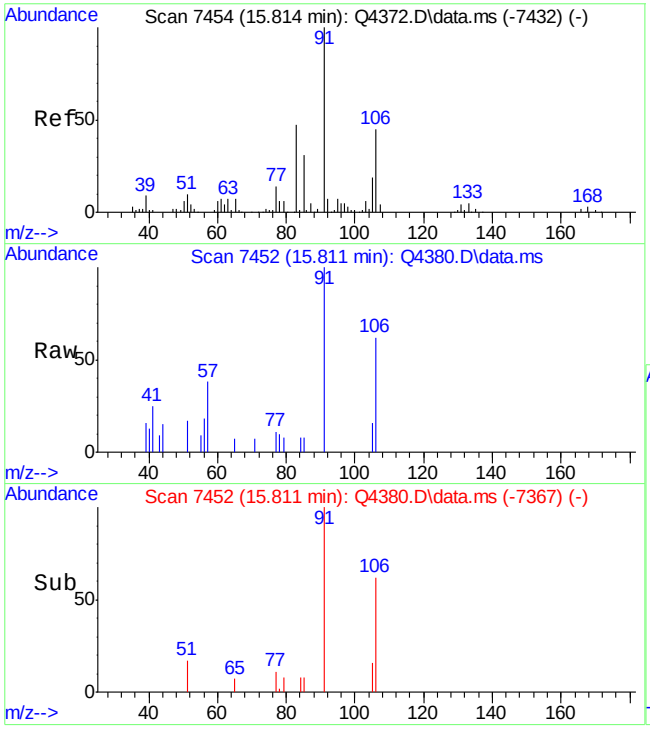


#56
m,p-XYLENE
Concen: 0.74 PPBV
RT: 15.294 min Scan# 7161
Delta R.T. -0.025 min
Lab File: Q4380.D
Acq: 23 Aug 2007 7:21 pm

Tgt Ion:106 Resp: 13451

Ion	Ratio	Lower	Upper
106	100		
91	187.5	163.1	244.7
77	21.5	23.0	34.4#

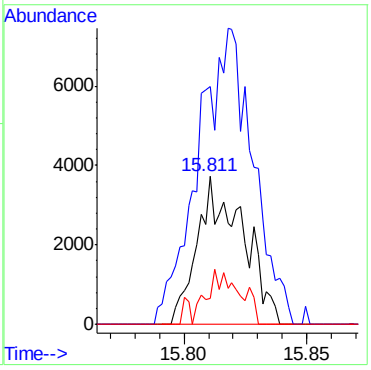


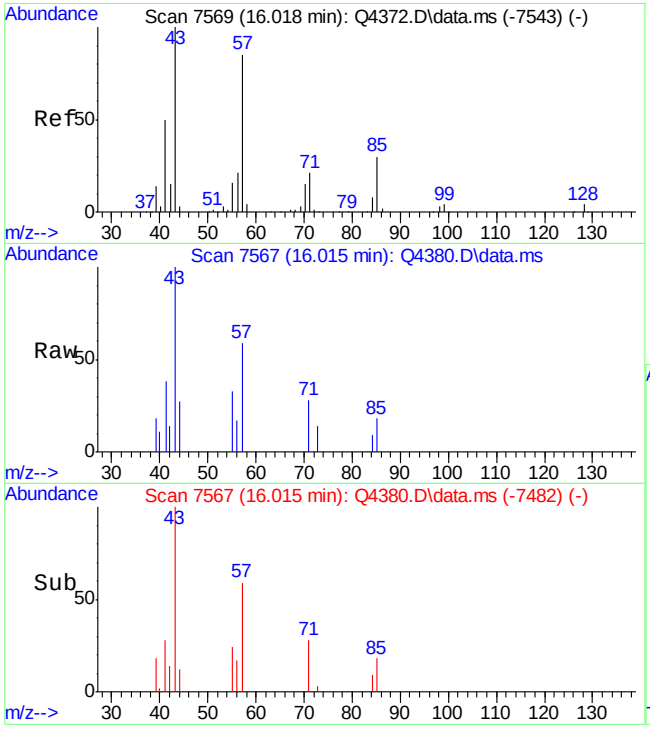


#57
o-XYLENE
Concen: 0.27 PPBV
RT: 15.811 min Scan# 7452
Delta R.T. -0.003 min
Lab File: Q4380.D
Acq: 23 Aug 2007 7:21 pm

Tgt Ion:106 Resp: 4789

Ion	Ratio	Lower	Upper
106	100		
91	241.9	204.6	244.6
77	29.2	9.1	49.1

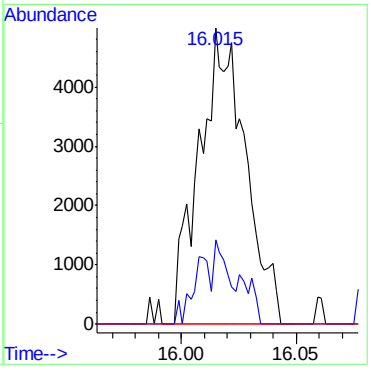


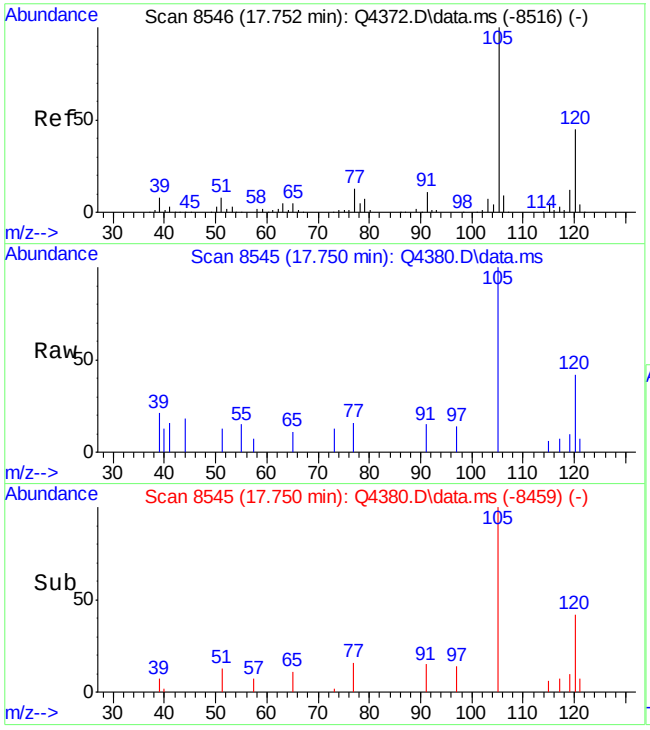


#59
NONANE
Concen: 0.24 PPBV
RT: 16.015 min Scan# 7567
Delta R.T. -0.003 min
Lab File: Q4380.D
Acq: 23 Aug 2007 7:21 pm

Tgt Ion: 43 Resp: 6953

Ion	Ratio	Lower	Upper
43	100		
71	8.8	1.2	41.2
128	0.0	0.0	24.0

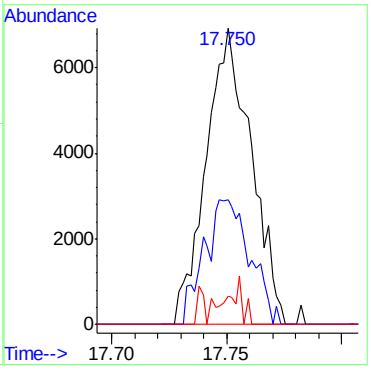


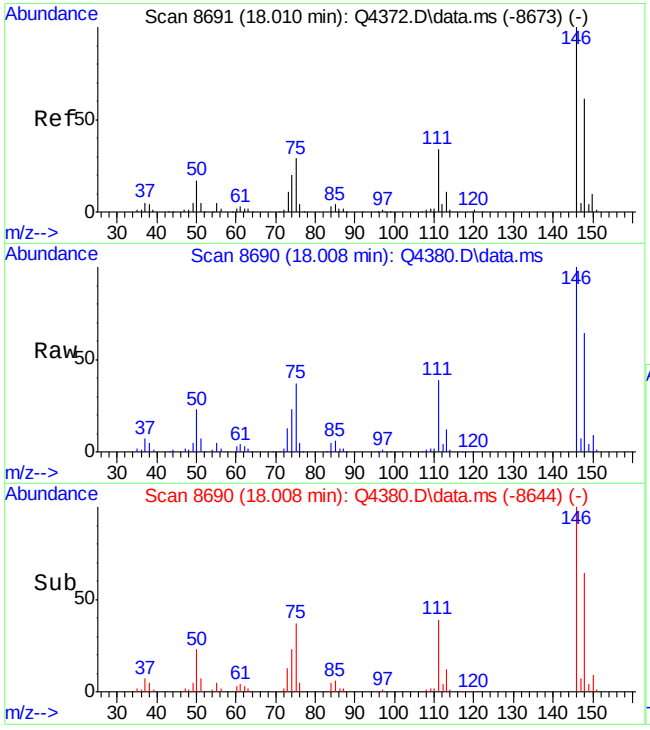


#67
1,2,4-TRIMETHYLBENZENE
Concen: 0.24 PPBV
RT: 17.750 min Scan# 8545
Delta R.T. -0.002 min
Lab File: Q4380.D
Acq: 23 Aug 2007 7:21 pm

Tgt Ion:105 Resp: 9430

Ion	Ratio	Lower	Upper
105	100		
120	42.9	24.9	64.9
119	7.9	0.0	31.5

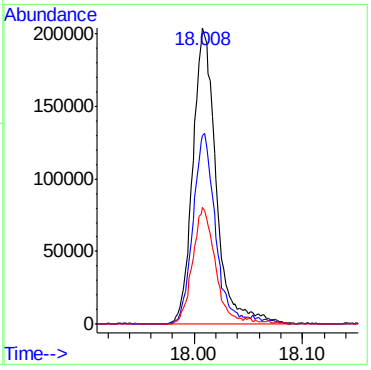




#70
p-DICHLOROBENZENE
Concen: 13.88 PPBV
RT: 18.008 min Scan# 8690
Delta R.T. -0.001 min
Lab File: Q4380.D
Acq: 23 Aug 2007 7:21 pm

Tgt Ion:146 Resp: 306071

Ion	Ratio	Lower	Upper
146	100		
148	63.3	44.2	84.2
111	39.3	18.7	58.7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4382.D
Acq On : 23 Aug 2007 8:48 pm
Operator : danat
Sample : m66993-2 (M081)
Misc : MS14179, MSQ231,,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 24 16:11:59 2007
Quant Method : C:\msdchem\1\METHODS\Q082307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 23 15:24:05 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.630	128	170757	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.456	114	772480	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.698	117	571751	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.320	95	162215	4.65	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 93.00%

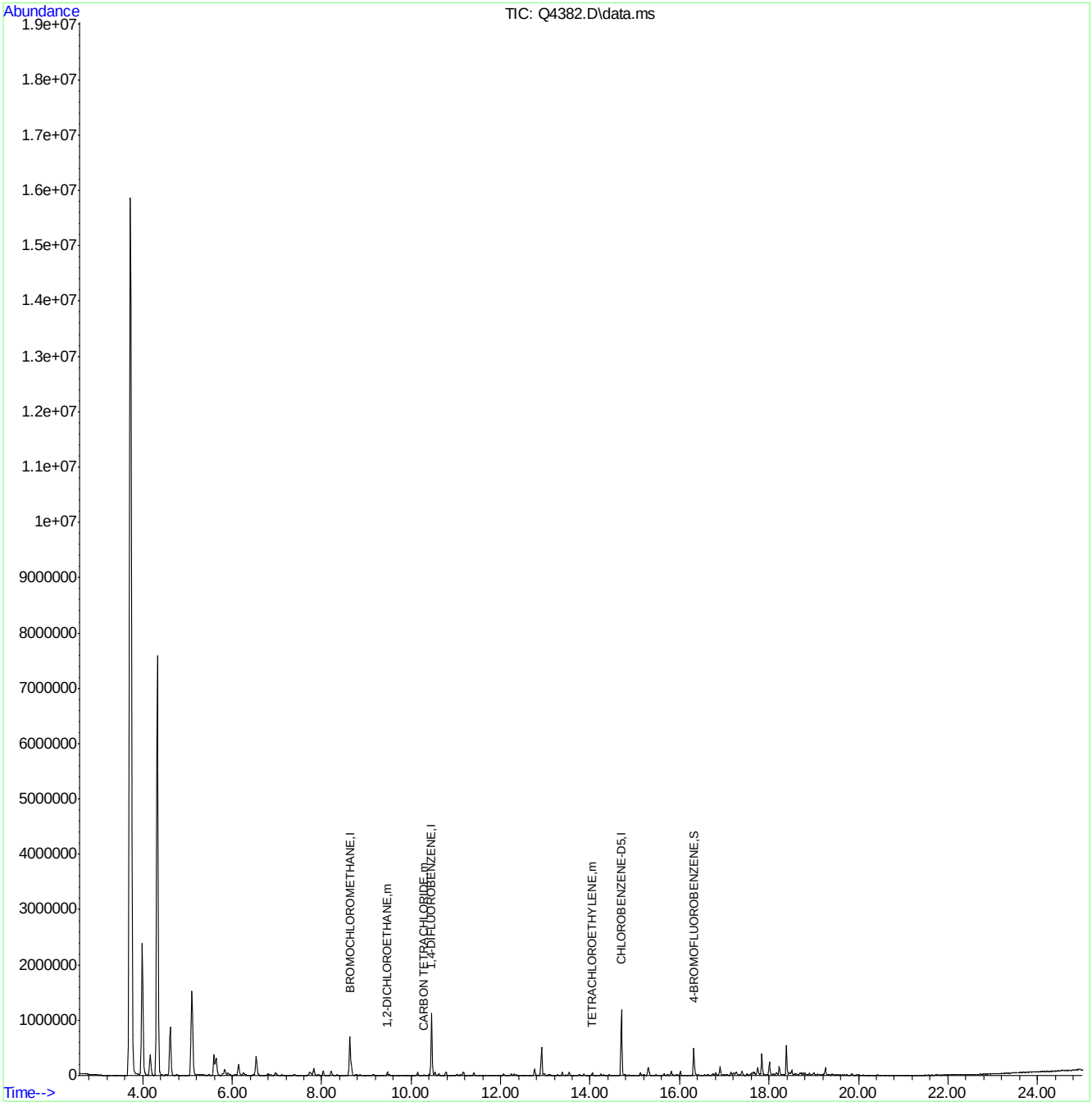
Target Compounds						Qvalue
33) CARBON TETRACHLORIDE	10.280	117	4273	0.11	PPBV	95
34) 1,2-DICHLOROETHANE	9.457	62	12067	0.61	PPBV	97
51) TETRACHLOROETHYLENE	14.052	164	10015	0.54	PPBV	90

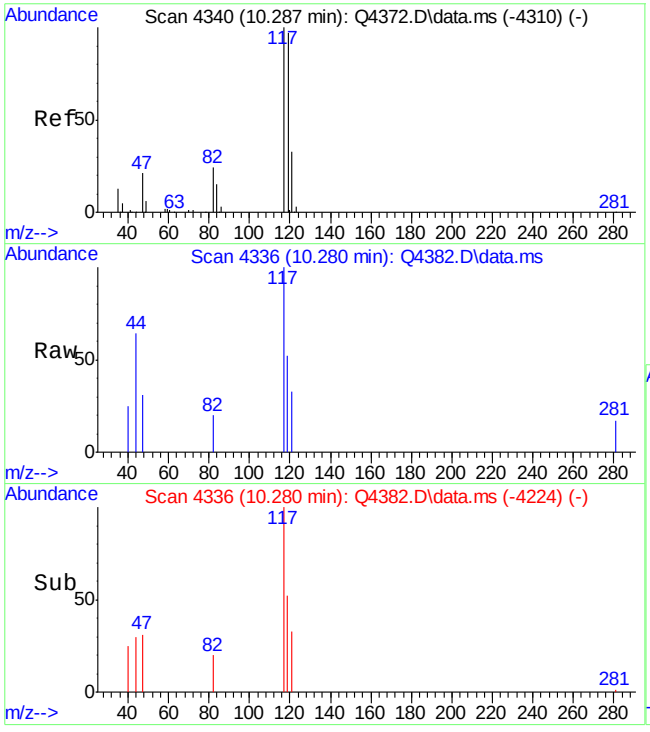
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4382.D
Acq On : 23 Aug 2007 8:48 pm
Operator : danat
Sample : m66993-2 (M081)
Misc : MS14179, MSQ231,,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 24 16:11:59 2007
Quant Method : C:\msdchem\1\METHODS\Q082307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 23 15:24:05 2007
Response via : Initial Calibration

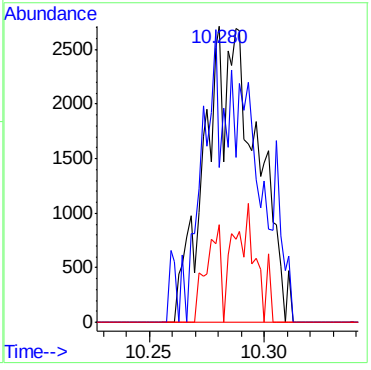


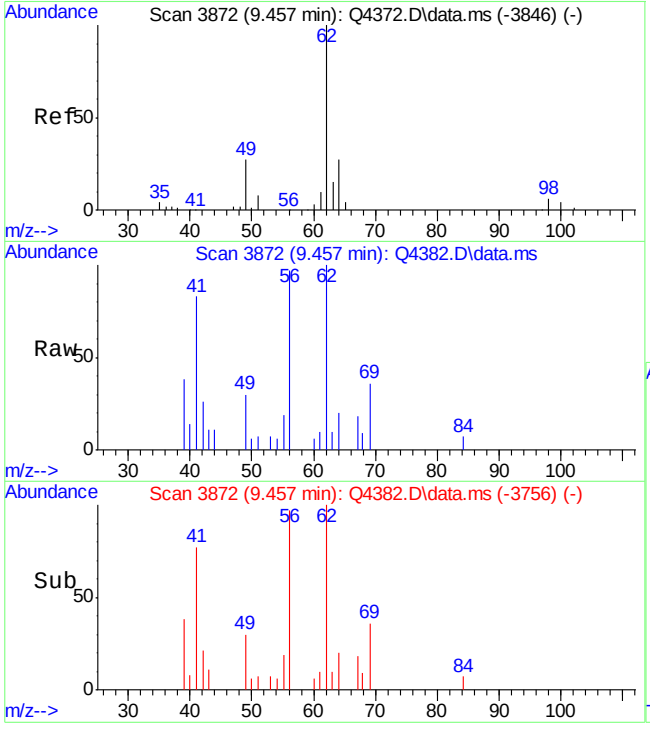


#33
CARBON TETRACHLORIDE
Concen: 0.11 PPBV
RT: 10.280 min Scan# 4336
Delta R.T. -0.007 min
Lab File: Q4382.D
Acq: 23 Aug 2007 8:48 pm

Tgt Ion:117 Resp: 4273

Ion	Ratio	Lower	Upper
117	100		
119	91.9	75.6	115.6
121	26.5	10.8	50.8

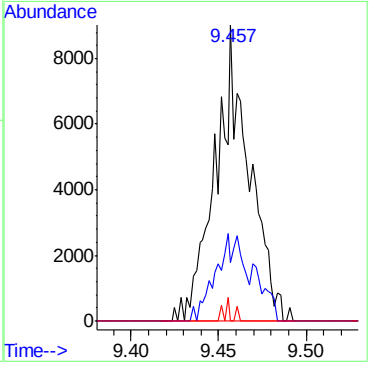


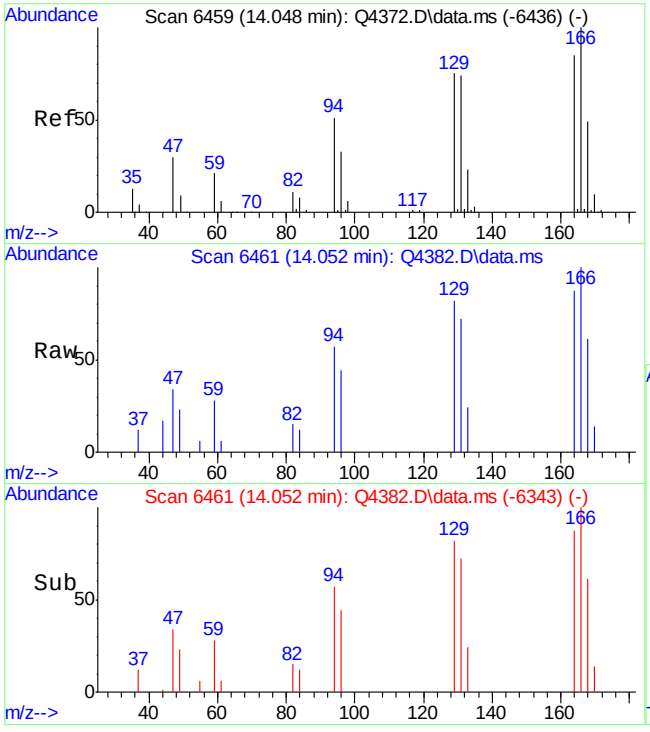


#34
1,2-DICHLOROETHANE
Concen: 0.61 PPBV
RT: 9.457 min Scan# 3872
Delta R.T. 0.000 min
Lab File: Q4382.D
Acq: 23 Aug 2007 8:48 pm

Tgt Ion: 62 Resp: 12067

Ion	Ratio	Lower	Upper
62	100		
64	31.7	11.6	51.6
98	1.0	0.0	26.6

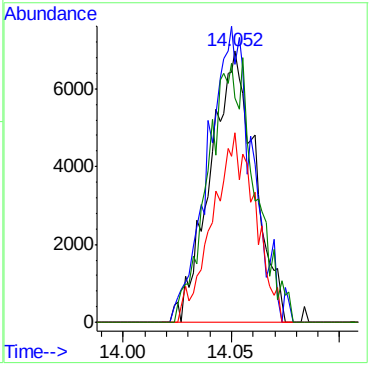




#51
TETRACHLOROETHYLENE
Concen: 0.54 PPBV
RT: 14.052 min Scan# 6461
Delta R.T. 0.004 min
Lab File: Q4382.D
Acq: 23 Aug 2007 8:48 pm

Tgt Ion:164 Resp: 10015

Ion	Ratio	Lower	Upper
164	100		
129	109.1	76.4	116.4
168	66.5	40.9	80.9
131	102.1	73.9	113.9



6.1.2

6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4377.D
Acq On : 23 Aug 2007 5:11 pm
Operator : danat
Sample : mb (M040)
Misc : MS14080, MSQ231,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 24 15:56:56 2007
Quant Method : C:\msdchem\1\METHODS\Q082307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 23 15:24:05 2007
Response via : Initial Calibration

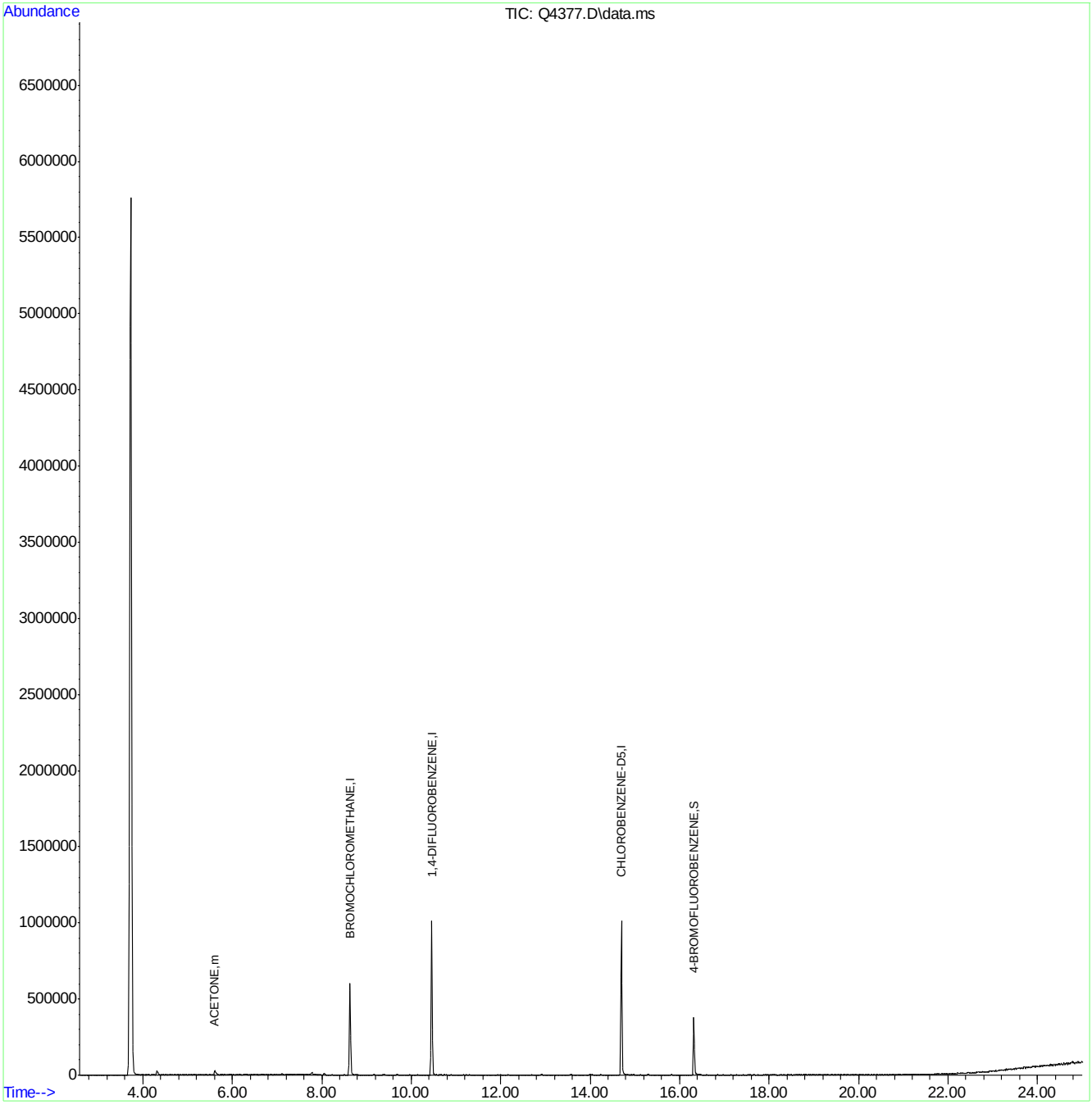
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.632	128	149353	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.458	114	715673	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.699	117	506302	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.318	95	127577	4.13	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 82.60%			
Target Compounds						Qvalue
12) ACETONE	5.606	43	37386	1.99	PPBV	76

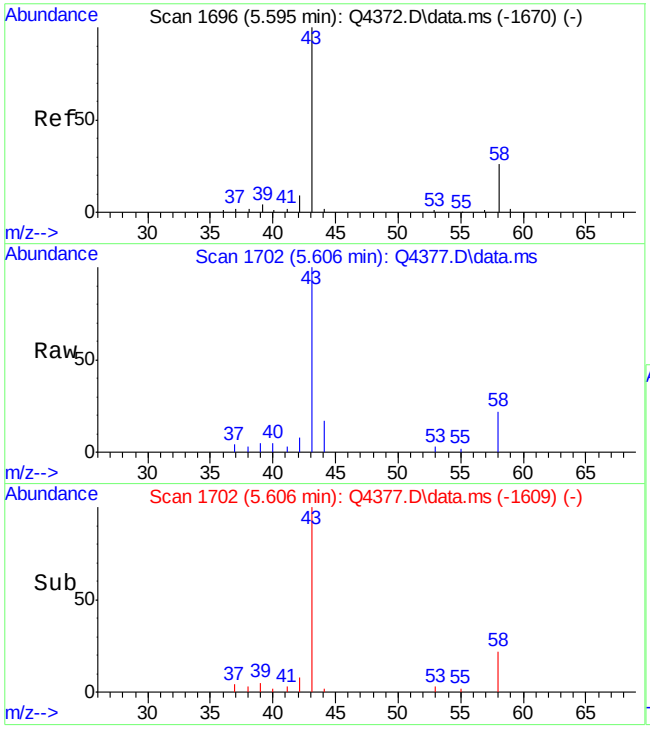
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4377.D
Acq On : 23 Aug 2007 5:11 pm
Operator : danat
Sample : mb (M040)
Misc : MS14080, MSQ231,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 24 15:56:56 2007
Quant Method : C:\msdchem\1\METHODS\Q082307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 23 15:24:05 2007
Response via : Initial Calibration

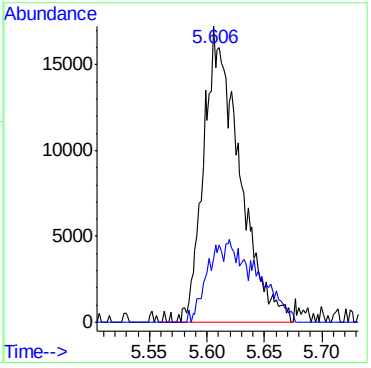




#12
ACETONE
Concen: 1.99 PPBV
RT: 5.606 min Scan# 1702
Delta R.T. 0.011 min
Lab File: Q4377.D
Acq: 23 Aug 2007 5:11 pm

Tgt Ion: 43 Resp: 37386

Ion	Ratio	Lower	Upper
43	100		
58	37.7	5.6	45.6



Quantitation Report (QT Reviewed)

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

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

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

System Monitoring Compounds

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

Spiked Amount 5.000 Range 51 - 142 Recovery = 90.20%

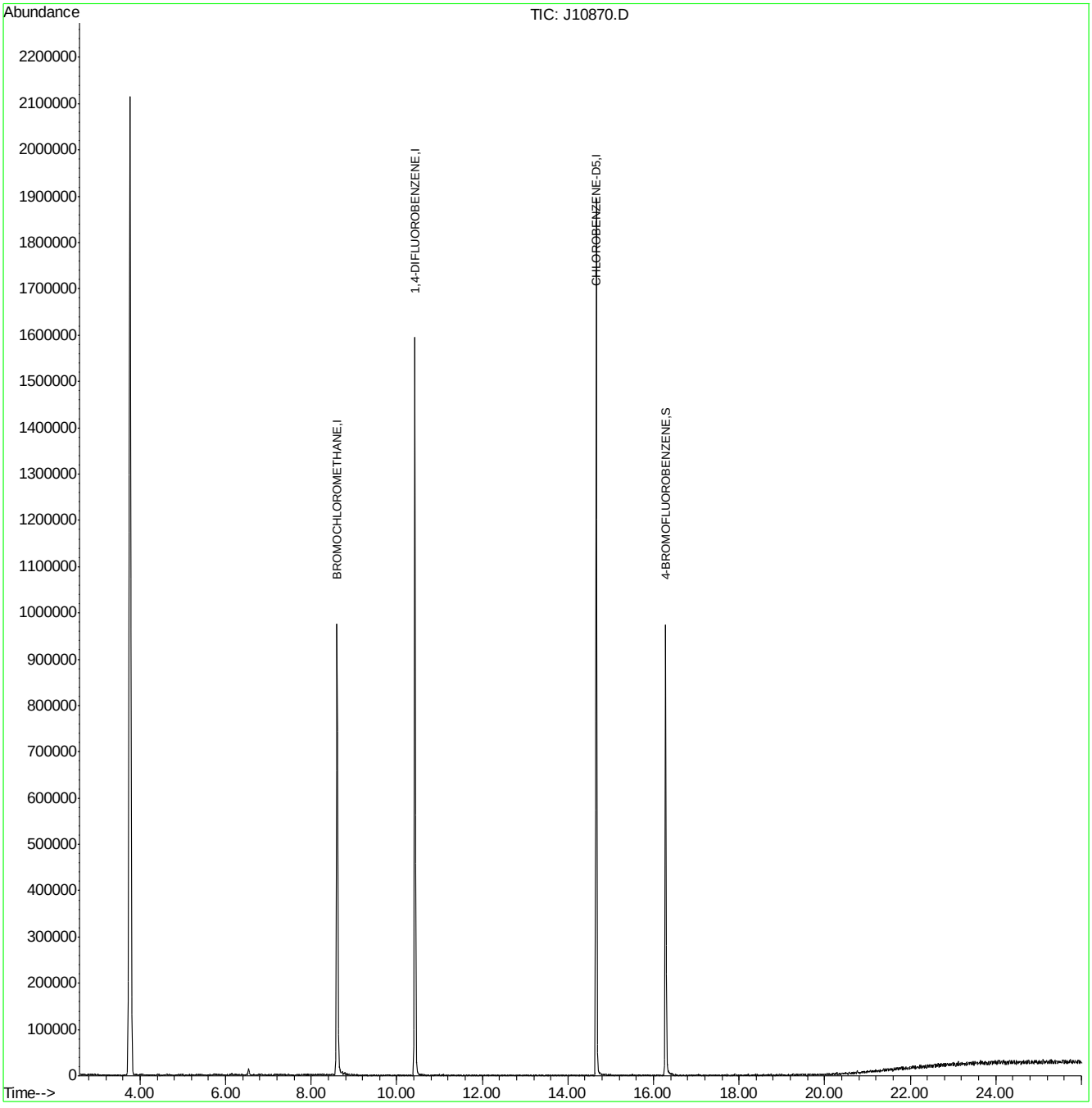
Target Compounds	Qvalue

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

Quantitation Report (QT Reviewed)

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

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



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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3986.D
Acq On : 17 Jul 2007 10:09 am
Operator : danat
Sample : mb (M063)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 17 14:09:45 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:27:00 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.633	128	220566	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.460	114	986337	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.705	117	863843	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.325	95	289018	4.56	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 91.20%

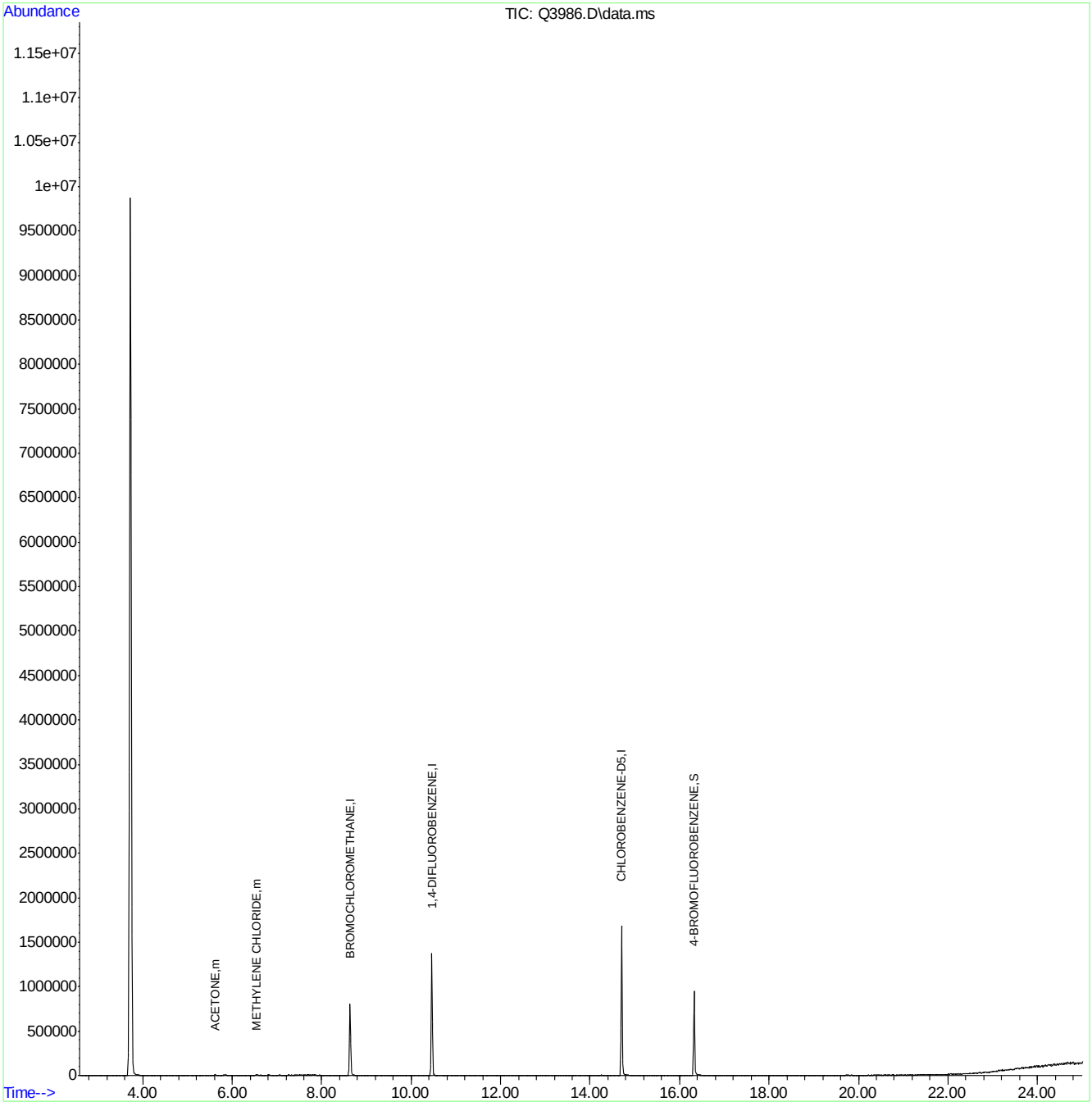
Target Compounds						Qvalue
12) ACETONE	5.620	43	7736	0.42	PPBV	95
18) METHYLENE CHLORIDE	6.539	84	2404	0.34	PPBV #	75

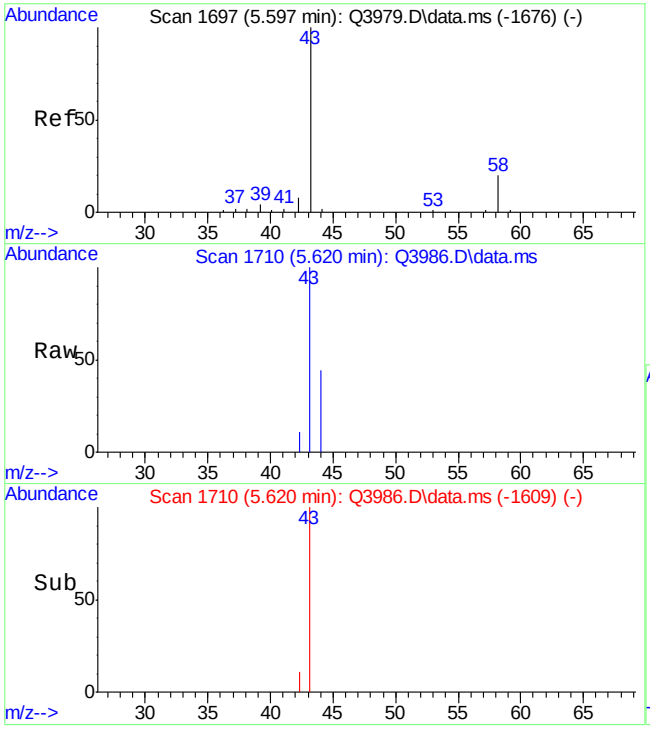
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3986.D
Acq On : 17 Jul 2007 10:09 am
Operator : danat
Sample : mb (M063)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 17 14:09:45 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:27:00 2007
Response via : Initial Calibration

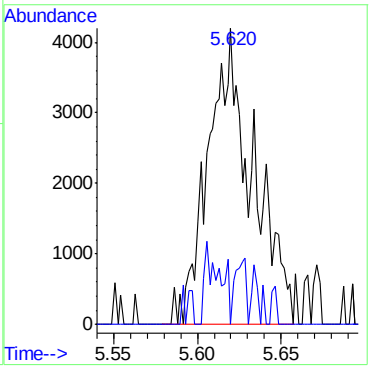


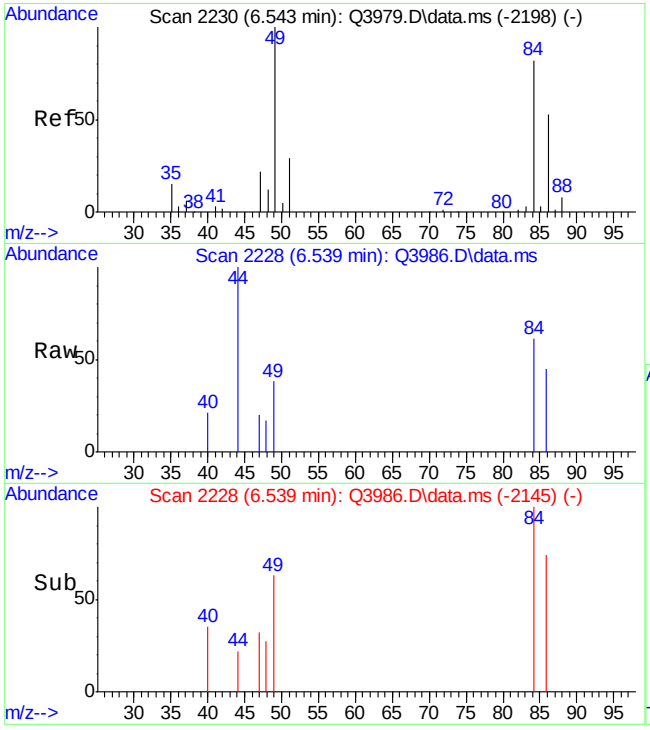


#12
ACETONE
Concen: 0.42 PPBV
RT: 5.620 min Scan# 1710
Delta R.T. 0.024 min
Lab File: Q3986.D
Acq: 17 Jul 2007 10:09 am

Tgt Ion: 43 Resp: 7736

Ion	Ratio	Lower	Upper
43	100		
58	21.5	4.0	44.0

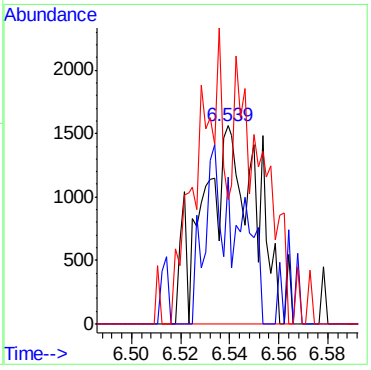




#18
METHYLENE CHLORIDE
Concen: 0.34 PPBV
RT: 6.539 min Scan# 2228
Delta R.T. -0.003 min
Lab File: Q3986.D
Acq: 17 Jul 2007 10:09 am

Tgt Ion: 84 Resp: 2404

Ion	Ratio	Lower	Upper
84	100		
86	33.2	45.0	85.0#
49	146.8	0.0	327.5



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4375b.D
Acq On : 23 Aug 2007 3:45 pm
Operator : danat
Sample : bs (M055)
Misc : MS14080, MSQ231,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 24 15:54:13 2007
Quant Method : C:\msdchem\1\METHODS\Q082307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 23 15:24:05 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.628	128	175648	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.458	114	851887	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.699	117	662417	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.320	95	212097	5.25	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 105.00%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.035	85	795336	13.68	PPBV	100
3) PROPYLENE	3.962	41	184999	12.90	PPBV	98
4) FREON 114	4.298	85	646607	11.90	PPBV	98
5) CHLOROMETHANE	4.200	50	191209	12.70	PPBV	96
6) VINYL CHLORIDE	4.422	62	212277	12.35	PPBV	99
7) 1,3-BUTADIENE	4.555	39	158669	11.66	PPBV	97
8) BROMOMETHANE	4.835	94	211775	11.46	PPBV	99
9) CHLOROETHANE	5.009	64	91900	12.33	PPBV	97
10) TRICHLOROFLUOROMETHANE	5.788	101	615468	11.97	PPBV	100
11) ISOPROPYL ALCOHOL	5.820	45	262905	10.48	PPBV	92
12) ACETONE	5.593	43	210978	9.55	PPBV	99
13) PENTANE	6.140	42	180111	10.83	PPBV	97
14) 1,1-DICHLOROETHYLENE	6.426	96	193269	11.04	PPBV	96
15) CARBON DISULFIDE	6.857	76	540347	12.39	PPBV	98
16) ETHANOL	5.091	45	56991	10.02	PPBV	99
17) BROMOETHENE	5.362	106	197010	11.09	PPBV	99
18) METHYLENE CHLORIDE	6.537	84	168795	12.11	PPBV	96
19) 3-CHLOROPROPENE	6.656	39	165888	11.83	PPBV	97
20) FREON 113	6.796	151	359213	10.56	PPBV	98
21) TRANS-1,2-DICHLOROETHY...	7.464	96	185259	11.26	PPBV	95
22) TERTIARY BUTYL ALCOHOL	6.427	59	341775	11.62	PPBV	98
23) METHYL TERTIARY BUTYL ...	7.707	73	360683	10.85	PPBV	98
24) TETRAHYDROFURAN	9.141	42	147780	10.82	PPBV	97
25) HEXANE	8.663	57	254236	12.29	PPBV	95
26) VINYL ACETATE	7.785	43	291688	10.83	PPBV	99
27) 1,1-DICHLOROETHANE	7.661	63	331350	12.56	PPBV	99
28) METHYL ETHYL KETONE	8.026	43	293448	10.62	PPBV	98
29) cis-1,2-DICHLOROETHYLENE	8.466	96	173234	11.17	PPBV	94
30) ETHYL ACETATE	8.662	43	467447	10.72	PPBV	100
31) CHLOROFORM	8.749	83	424570	12.22	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.704	97	414720	12.23	PPBV	99
33) CARBON TETRACHLORIDE	10.287	117	473566	12.26	PPBV	100
34) 1,2-DICHLOROETHANE	9.455	62	249775	12.20	PPBV	100
36) BENZENE	10.144	78	475680	11.12	PPBV	99
37) CYCLOHEXANE	10.410	84	217480	10.29	PPBV	99
38) TRICHLOROETHYLENE	11.139	95	245764	11.26	PPBV	97
39) 1,2-DICHLOROPROPANE	10.917	63	170047	10.94	PPBV	100
40) BROMODICHLOROMETHANE	11.100	83	428463	12.49	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.162	57	857533	11.67	PPBV	100
42) 1,4-DIOXANE	11.130	88	83569	9.99	PPBV	94
43) HEPTANE	11.402	43	332199	11.77	PPBV	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4375b.D
Acq On : 23 Aug 2007 3:45 pm
Operator : danat
Sample : bs (M055)
Misc : MS14080, MSQ231,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 24 15:54:13 2007
Quant Method : C:\msdchem\1\METHODS\Q082307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 23 15:24:05 2007
Response via : Initial Calibration

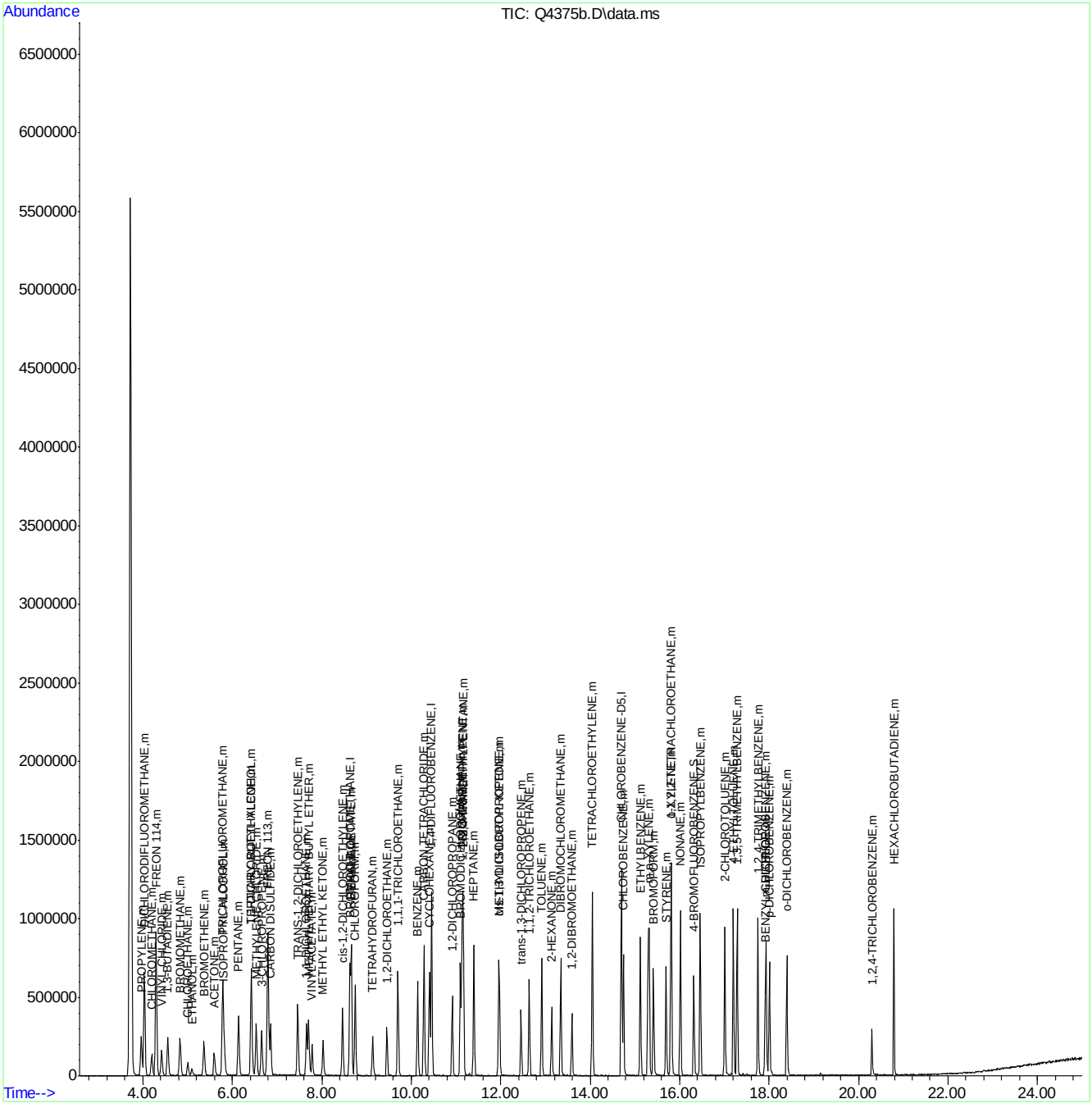
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.970	43	362519	11.30 PPBV	99
45) cis-1,3-DICHLOROPROPENE	11.957	75	233207	11.07 PPBV	97
46) TOLUENE	12.919	92	280577	9.07 PPBV	100
47) trans-1,3-DICHLOROPROPENE	12.458	75	203800	11.56 PPBV	96
48) 1,1,2-TRICHLOROETHANE	12.639	83	157971	10.90 PPBV	98
50) 2-HEXANONE	13.139	43	312045	11.35 PPBV	97
51) TETRACHLOROETHYLENE	14.050	164	235802	10.99 PPBV	100
52) DIBROMOCHLOROMETHANE	13.344	129	365412	12.52 PPBV	100
53) 1,2-DIBROMOETHANE	13.594	107	252500	10.69 PPBV	99
54) CHLOROBENZENE	14.744	112	370081	10.46 PPBV	97
55) ETHYLBENZENE	15.124	91	601618	10.78 PPBV	99
56) m,p-XYLENE	15.319	106	435426	20.97 PPBV	92
57) o-XYLENE	15.818	106	226278	11.01 PPBV	99
58) STYRENE	15.700	104	322143	11.96 PPBV	98
59) NONANE	16.020	43	402649	12.22 PPBV	99
60) BROMOFORM	15.415	173	308410	12.12 PPBV	100
62) 1,1,2,2-TETRACHLOROETHANE	15.803	83	369916	11.94 PPBV	99
63) ISOPROPYLBENZENE	16.462	105	672080	11.19 PPBV	99
64) 2-CHLOROTOLUENE	17.012	91	519177	11.56 PPBV	99
65) 4-ETHYLTOLUENE	17.202	105	621445	11.54 PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.287	105	553298	11.38 PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.750	105	514400	11.65 PPBV	99
68) m-DICHLOROBENZENE	17.935	146	288141	11.83 PPBV	99
69) BENZYL CHLORIDE	17.912	91	311895	11.48 PPBV	99
70) p-DICHLOROBENZENE	18.009	146	272678	11.55 PPBV	99
71) o-DICHLOROBENZENE	18.396	146	282072	11.02 PPBV	100
72) HEXACHLOROBUTADIENE	20.792	225	155693	14.08 PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.299	180	81034	12.35 PPBV	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4375b.D
Acq On : 23 Aug 2007 3:45 pm
Operator : danat
Sample : bs (M055)
Misc : MS14080, MSQ231,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 24 15:54:13 2007
Quant Method : C:\msdchem\1\METHODS\Q082307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 23 15:24:05 2007
Response via : Initial Calibration



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

Quantitation Report (QT Reviewed)

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

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

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

Quantitation Report (QT Reviewed)

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

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

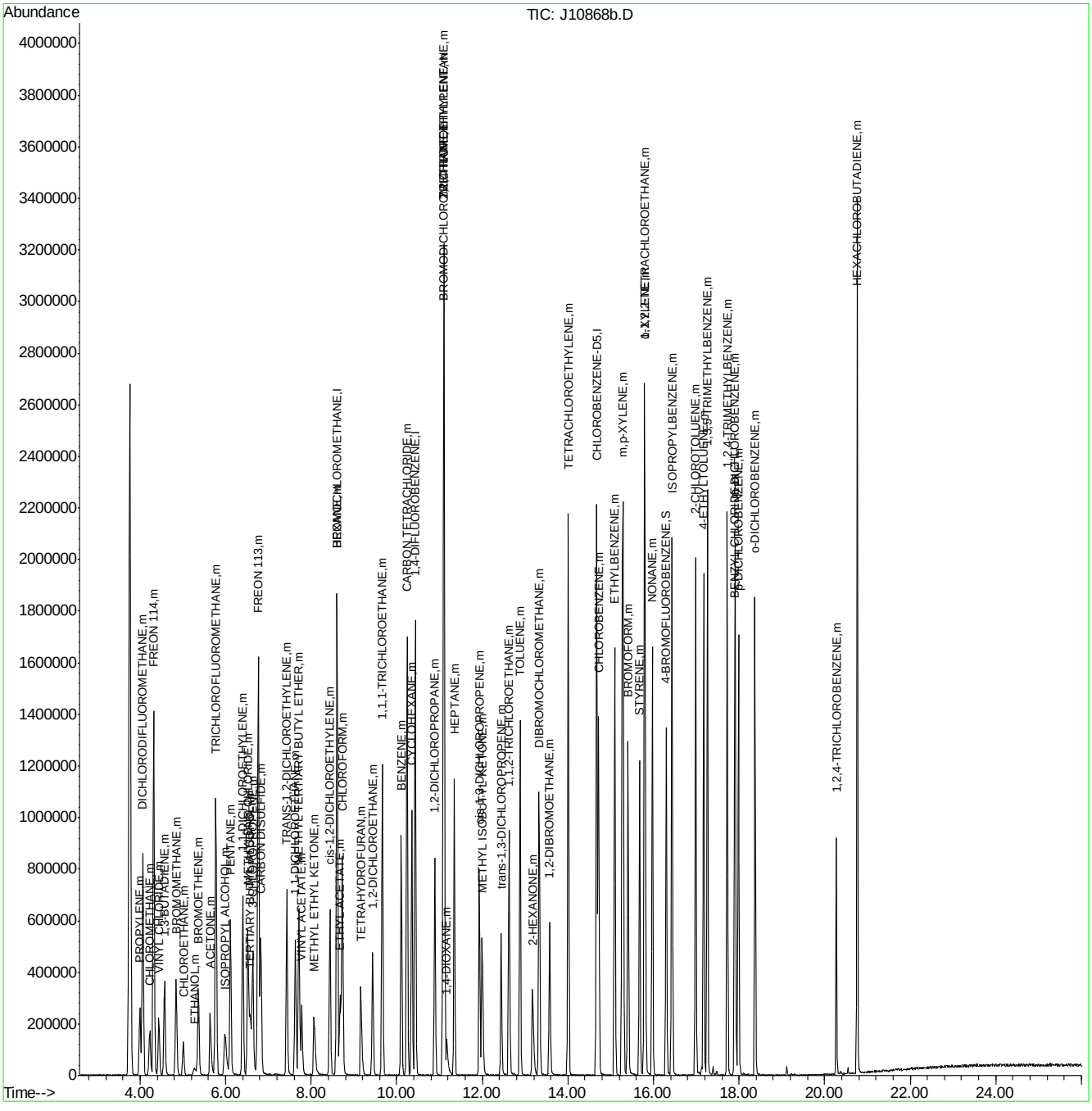
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.99	43	470043	10.33	PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.93	75	407474	10.95	PPBV	98
46) TOLUENE	12.88	92	578281	11.03	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.44	75	315716	9.17	PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.62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

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

Quantitation Report (QT Reviewed)

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

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



ACCUTEST Laboratories M66993

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3984b.D
Acq On : 17 Jul 2007 8:45 am
Operator : danat
Sample : bs (M209)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 17 14:07:21 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:27:00 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.633	128	198360	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.463	114	902151	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.707	117	781705	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.325	95	309690	5.39	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 107.80%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.037	85	726946	10.84	PPBV	99
3) PROPYLENE	3.966	41	110064	10.51	PPBV	93
4) FREON 114	4.296	85	667194	10.74	PPBV	99
5) CHLOROMETHANE	4.203	50	152498	10.60	PPBV	94
6) VINYL CHLORIDE	4.420	62	179540	10.62	PPBV	98
7) 1,3-BUTADIENE	4.560	39	147875	10.72	PPBV	96
8) BROMOMETHANE	4.834	94	207354	10.86	PPBV	98
9) CHLOROETHANE	5.009	64	76397	11.41	PPBV	99
10) TRICHLOROFLUOROMETHANE	5.788	101	751175	11.42	PPBV	100
11) ISOPROPYL ALCOHOL	5.826	45	241350	9.68	PPBV	93
12) ACETONE	5.597	43	216102	8.20	PPBV	99
13) PENTANE	6.143	42	165867	11.51	PPBV	99
14) 1,1-DICHLOROETHYLENE	6.427	96	193333	10.45	PPBV	93
15) CARBON DISULFIDE	6.859	76	540832	11.62	PPBV	98
16) ETHANOL	5.094	45	39797	8.10	PPBV	95
17) BROMOETHENE	5.370	106	204817	10.74	PPBV	99
18) METHYLENE CHLORIDE	6.541	84	164926	7.27	PPBV	98
19) 3-CHLOROPROPENE	6.660	39	154305	11.11	PPBV	94
20) FREON 113	6.800	151	415737	9.05	PPBV	99
21) TRANS-1,2-DICHLOROETHY...	7.467	96	190404	10.74	PPBV	97
22) TERTIARY BUTYL ALCOHOL	6.427	59	332679	10.66	PPBV	98
23) METHYL TERTIARY BUTYL ...	7.710	73	392083	9.55	PPBV	99
24) TETRAHYDROFURAN	9.144	42	111570	9.01	PPBV	99
25) HEXANE	8.667	57	207399	7.94	PPBV	95
26) VINYL ACETATE	7.789	43	284777	9.56	PPBV	97
27) 1,1-DICHLOROETHANE	7.662	63	312636	10.67	PPBV	100
28) METHYL ETHYL KETONE	8.030	43	244701	9.10	PPBV	93
29) cis-1,2-DICHLOROETHYLENE	8.470	96	160232	10.23	PPBV	99
30) ETHYL ACETATE	8.663	43	404597	7.72	PPBV	100
31) CHLOROFORM	8.750	83	414026	10.21	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.711	97	432762	10.57	PPBV	99
33) CARBON TETRACHLORIDE	10.293	117	537081	11.19	PPBV	99
34) 1,2-DICHLOROETHANE	9.462	62	242510	10.19	PPBV	98
36) BENZENE	10.151	78	381394	9.17	PPBV	100
37) CYCLOHEXANE	10.417	84	177444	9.97	PPBV	98
38) TRICHLOROETHYLENE	11.145	95	235474	10.11	PPBV	99
39) 1,2-DICHLOROPROPANE	10.926	63	131144	9.30	PPBV	97
40) BROMODICHLOROMETHANE	11.106	83	378433	10.23	PPBV	97
41) 2,2,4-TRIMETHYLPENTANE	11.168	57	644899	10.15	PPBV	99
42) 1,4-DIOXANE	11.134	88	77597	9.46	PPBV	92
43) HEPTANE	11.406	43	230882	9.90	PPBV	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3984b.D
Acq On : 17 Jul 2007 8:45 am
Operator : danat
Sample : bs (M209)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 17 14:07:21 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:27:00 2007
Response via : Initial Calibration

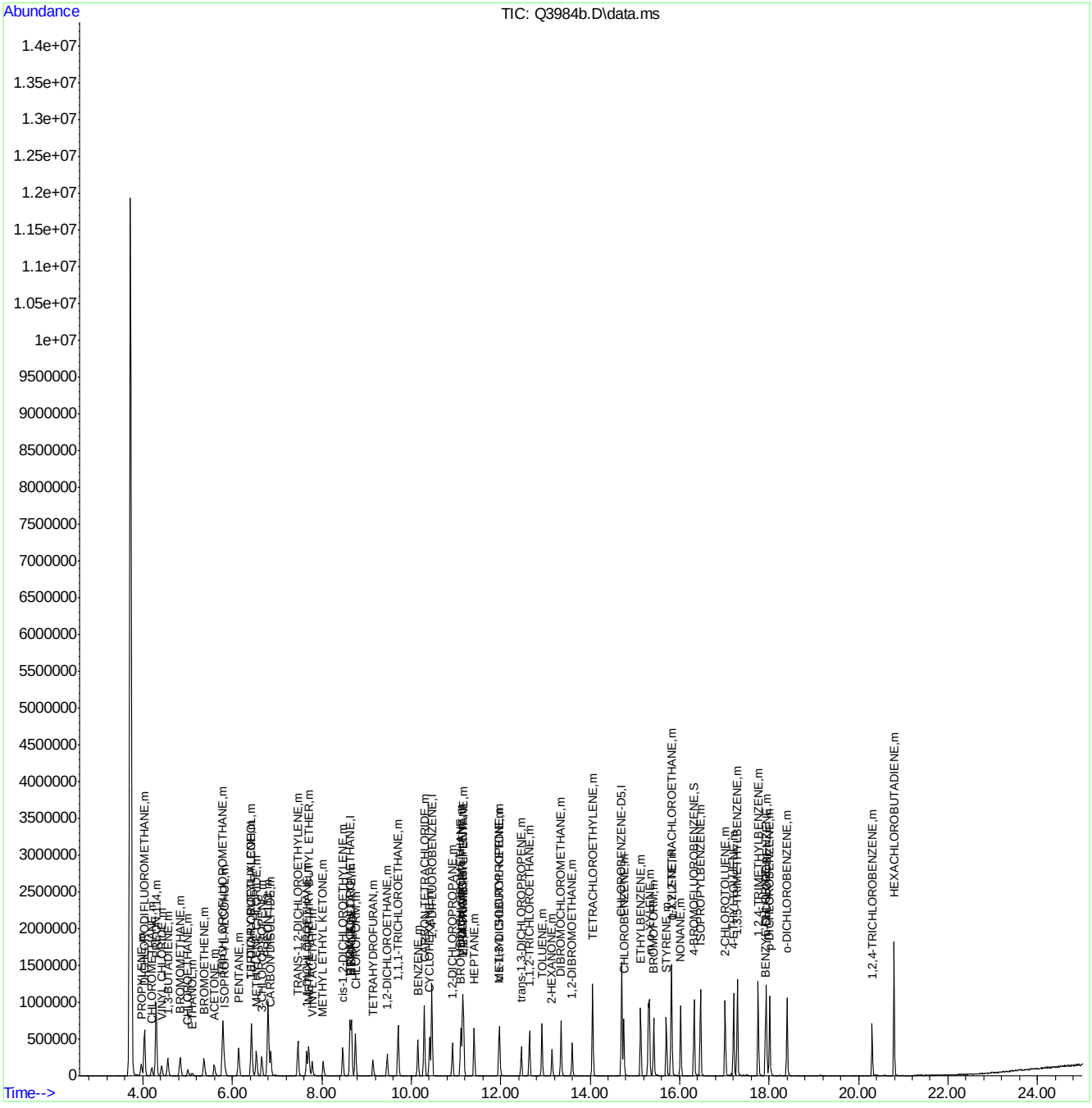
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.979	43	283781	9.50	PPBV	97
45) cis-1,3-DICHLOROPROPENE	11.961	75	217279	10.07	PPBV	96
46) TOLUENE	12.923	92	266117	8.86	PPBV	100
47) trans-1,3-DICHLOROPROPENE	12.463	75	174783	8.86	PPBV	97
48) 1,1,2-TRICHLOROETHANE	12.643	83	142783	9.20	PPBV	99
50) 2-HEXANONE	13.147	43	235124	9.34	PPBV	97
51) TETRACHLOROETHYLENE	14.057	164	257364	9.86	PPBV	99
52) DIBROMOCHLOROMETHANE	13.349	129	368242	10.30	PPBV	99
53) 1,2-DIBROMOETHANE	13.599	107	267370	9.35	PPBV	99
54) CHLOROBENZENE	14.753	112	384893	9.30	PPBV	100
55) ETHYLBENZENE	15.129	91	619158	9.48	PPBV	99
56) m,p-XYLENE	15.326	106	483299	19.58	PPBV	97
57) o-XYLENE	15.825	106	244339	9.73	PPBV	98
58) STYRENE	15.704	104	359962	10.24	PPBV	99
59) NONANE	16.025	43	326579	10.19	PPBV	100
60) BROMOFORM	15.424	173	356220	9.82	PPBV	100
62) 1,1,2,2-TETRACHLOROETHANE	15.810	83	380959	9.69	PPBV	98
63) ISOPROPYLBENZENE	16.467	105	762304	9.91	PPBV	99
64) 2-CHLOROTOLUENE	17.016	91	560897	10.15	PPBV	99
65) 4-ETHYLTOLUENE	17.211	105	672129	9.76	PPBV	100
66) 1,3,5-TRIMETHYLBENZENE	17.292	105	682672	10.21	PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.756	105	661253	10.74	PPBV	99
68) m-DICHLOROBENZENE	17.942	146	439257	10.19	PPBV	100
69) BENZYL CHLORIDE	17.917	91	370322	10.14	PPBV	100
70) p-DICHLOROBENZENE	18.013	146	441700	10.61	PPBV	99
71) o-DICHLOROBENZENE	18.402	146	402440	9.81	PPBV	99
72) HEXACHLOROBUTADIENE	20.796	225	283891	14.09	PPBV	100
73) 1,2,4-TRICHLOROBENZENE	20.306	180	191567	13.19	PPBV	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3984b.D
Acq On : 17 Jul 2007 8:45 am
Operator : danat
Sample : bs (M209)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 17 14:07:21 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:27:00 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4381.D
Acq On : 23 Aug 2007 8:05 pm
Operator : danat
Sample : m66993-1dup (M145)
Misc : MS14179, MSQ231,,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 24 16:10:36 2007
Quant Method : C:\msdchem\1\METHODS\Q082307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 23 15:24:05 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.628	128	169660	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.454	114	774075	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.698	117	570949	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.318	95	159546	4.58	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 91.60%

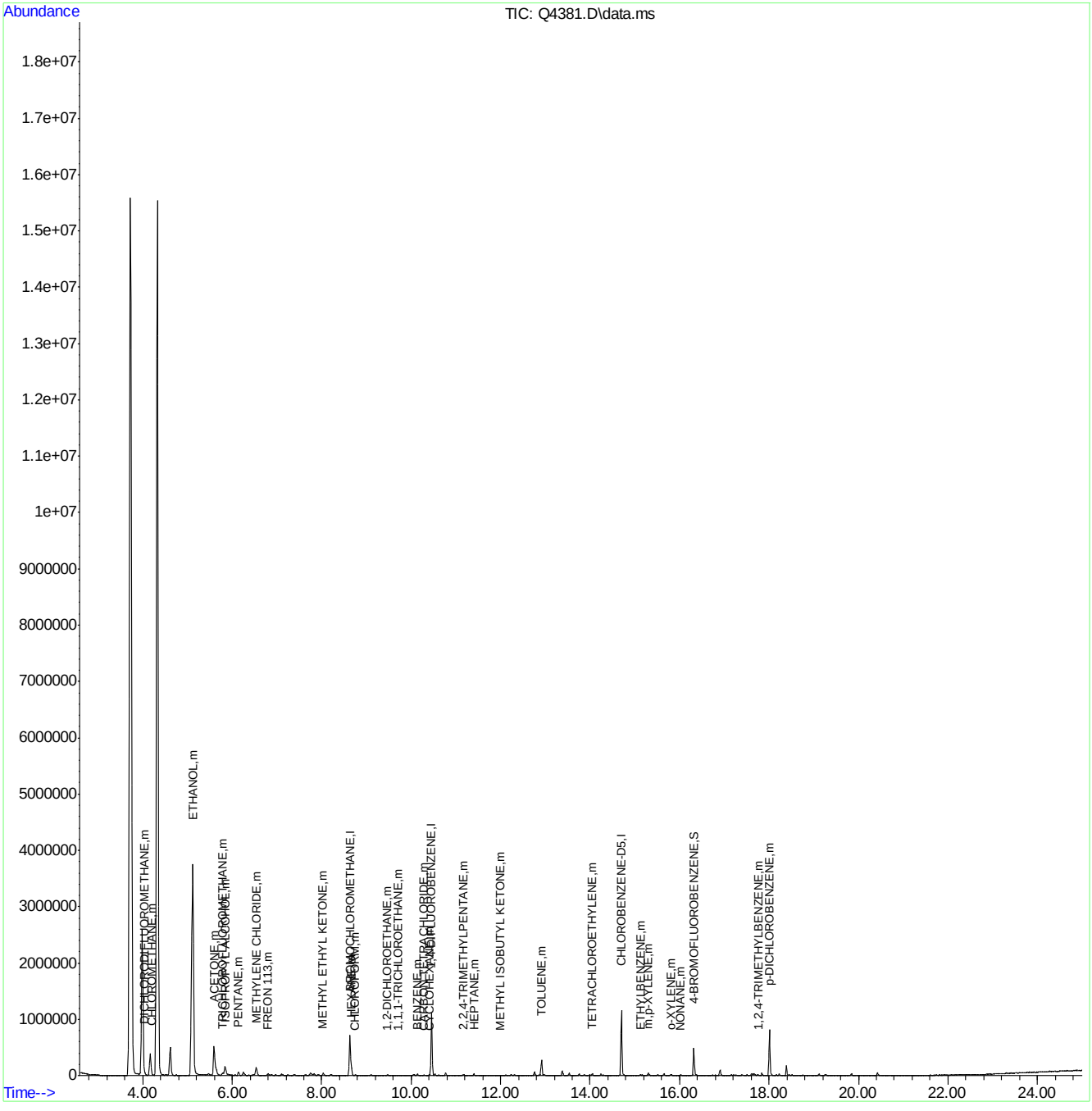
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.039	85	39550	0.70	PPBV	99
5) CHLOROMETHANE	4.202	50	14634	1.01	PPBV	97
10) TRICHLOROFLUOROMETHANE	5.787	101	41032	0.83	PPBV	97
11) ISOPROPYL ALCOHOL	5.842	45	249440	10.30	PPBV	92
12) ACETONE	5.591	43	831443	38.97	PPBV	100
13) PENTANE	6.143	42	25126	1.56	PPBV	93
16) ETHANOL	5.123	45	6781284	1234.13	PPBV	99
18) METHYLENE CHLORIDE	6.534	84	69074	5.34	PPBV	97
20) FREON 113	6.795	151	11736	0.36	PPBV	97
25) HEXANE	8.664	57	17679	0.65	PPBV	85
28) METHYL ETHYL KETONE	8.032	43	54998	2.06	PPBV	95
31) CHLOROFORM	8.745	83	6486	0.19	PPBV	97
32) 1,1,1-TRICHLOROETHANE	9.704	97	3099	0.09	PPBV #	33
33) CARBON TETRACHLORIDE	10.288	117	4219	0.11	PPBV	94
34) 1,2-DICHLOROETHANE	9.457	62	3537	0.18	PPBV #	69
36) BENZENE	10.146	78	20840	0.54	PPBV	98
37) CYCLOHEXANE	10.403	84	4931	0.26	PPBV #	79
41) 2,2,4-TRIMETHYLPENTANE	11.162	57	17425	0.26	PPBV	86
43) HEPTANE	11.402	43	11594	0.45	PPBV	86
44) METHYL ISOBUTYL KETONE	11.984	43	4439	0.15	PPBV	81
46) TOLUENE	12.916	92	79378	2.82	PPBV	97
51) TETRACHLOROETHYLENE	14.050	164	7735	0.42	PPBV	95
55) ETHYLBENZENE	15.120	91	13896	0.29	PPBV	95
56) m,p-XYLENE	15.296	106	12975	0.72	PPBV	89
57) o-XYLENE	15.811	106	4804	0.27	PPBV	92
59) NONANE	16.016	43	6848	0.24	PPBV #	96
67) 1,2,4-TRIMETHYLBENZENE	17.749	105	9021	0.24	PPBV	93
70) p-DICHLOROBENZENE	18.008	146	292286	13.60	PPBV	99

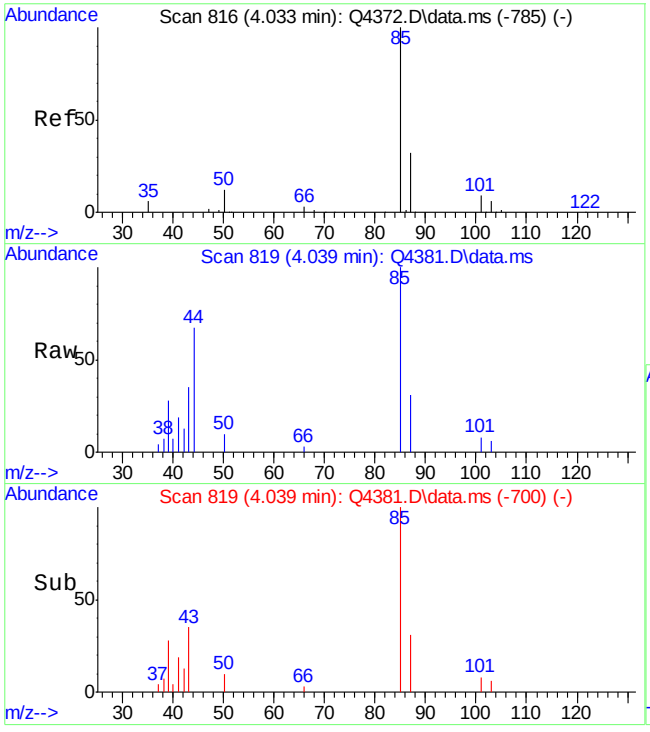
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4381.D
Acq On : 23 Aug 2007 8:05 pm
Operator : danat
Sample : m66993-1dup (M145)
Misc : MS14179, MSQ231,,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 24 16:10:36 2007
Quant Method : C:\msdchem\1\METHODS\Q082307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 23 15:24:05 2007
Response via : Initial Calibration

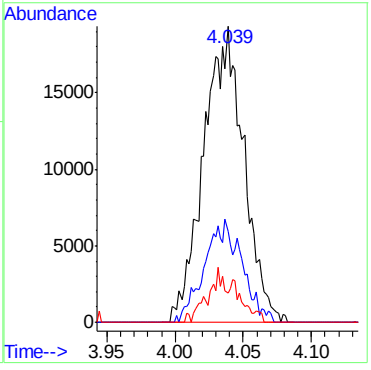


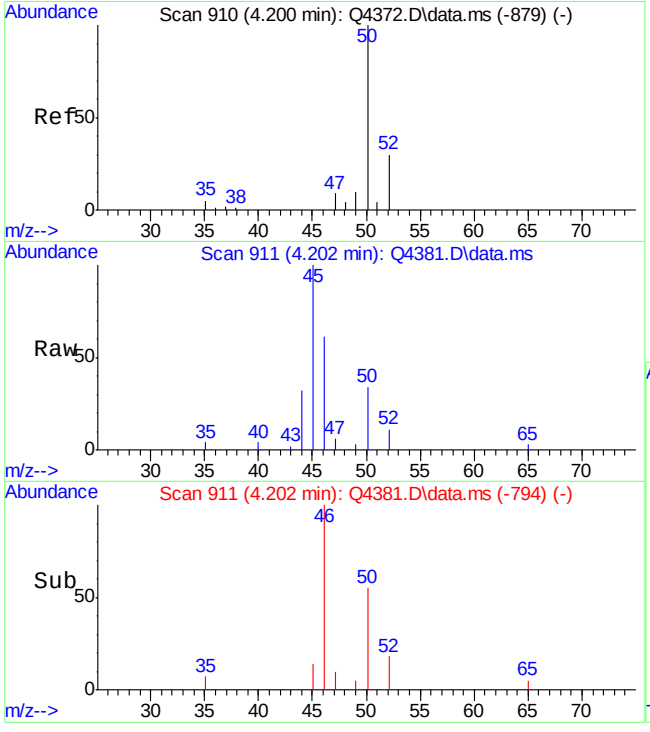


#2
DICHLORODIFLUOROMETHANE
Concen: 0.70 PPBV
RT: 4.039 min Scan# 819
Delta R.T. 0.005 min
Lab File: Q4381.D
Acq: 23 Aug 2007 8:05 pm

Tgt Ion: 85 Resp: 39550

Ion	Ratio	Lower	Upper
85	100		
87	32.2	12.3	52.3
50	12.8	0.0	32.2

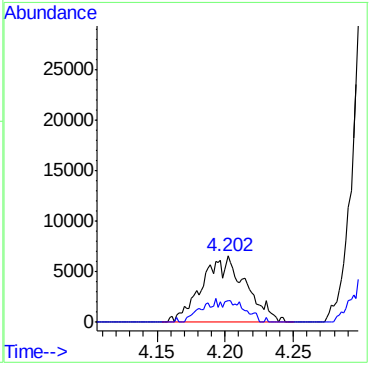


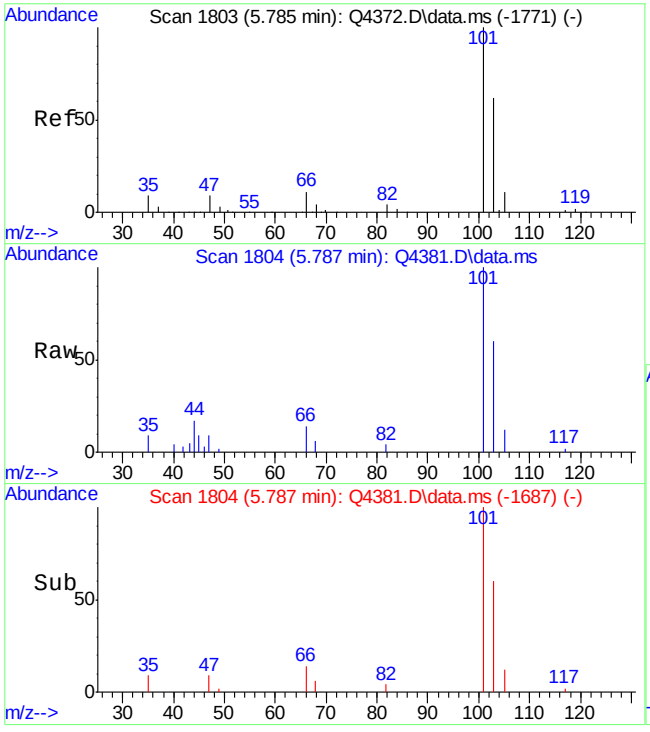


#5
CHLOROMETHANE
Concen: 1.01 PPBV
RT: 4.202 min Scan# 911
Delta R.T. 0.002 min
Lab File: Q4381.D
Acq: 23 Aug 2007 8:05 pm

Tgt Ion: 50 Resp: 14634

Ion	Ratio	Lower	Upper
50	100		
52	32.1	10.3	50.3

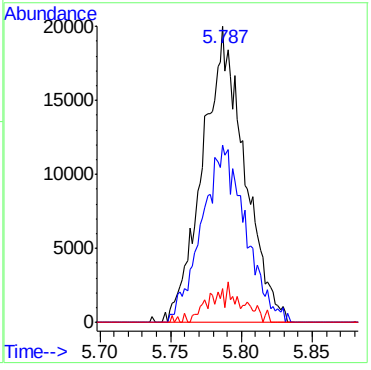


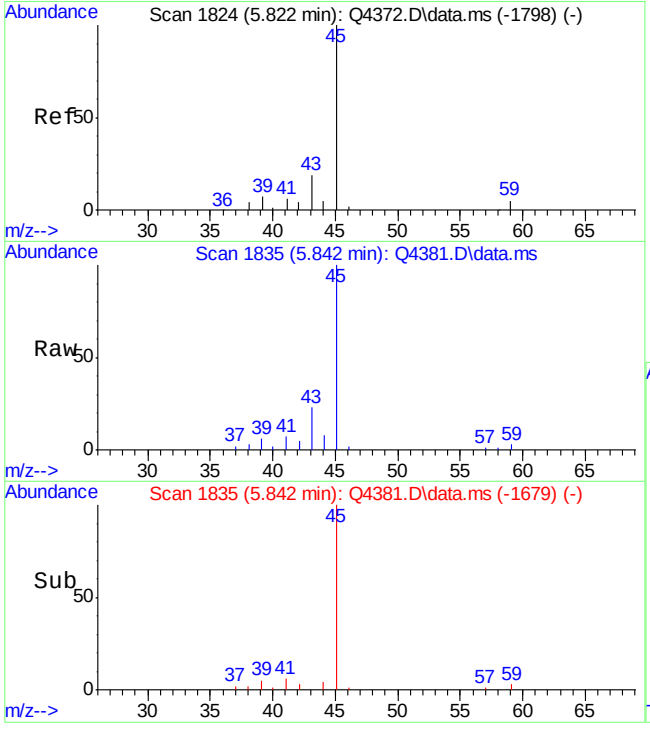


#10
TRICHLOROFLUOROMETHANE
Concen: 0.83 PPBV
RT: 5.787 min Scan# 1804
Delta R.T. 0.002 min
Lab File: Q4381.D
Acq: 23 Aug 2007 8:05 pm

Tgt Ion:101 Resp: 41032

Ion	Ratio	Lower	Upper
101	100		
103	62.4	45.0	85.0
105	9.7	0.0	30.5

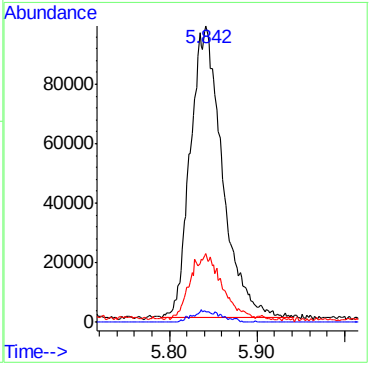


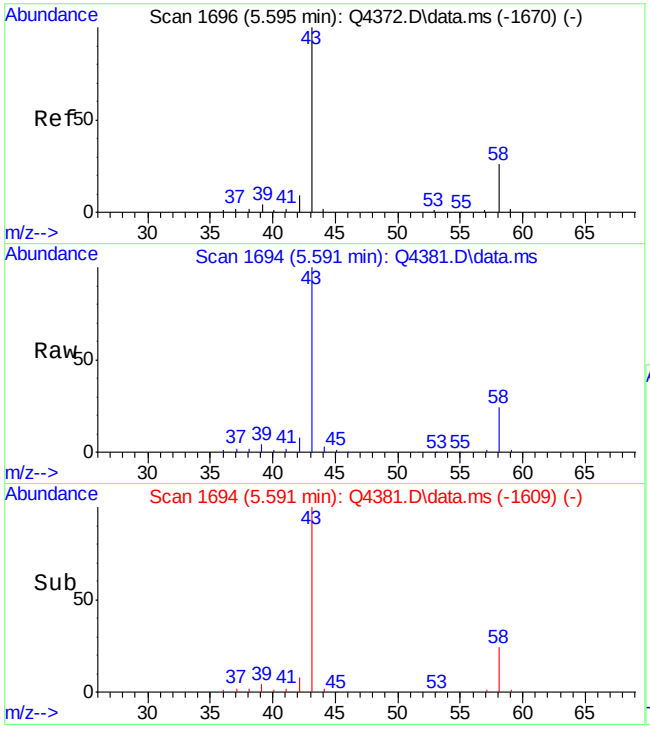


#11
ISOPROPYL ALCOHOL
Concen: 10.30 PPBV
RT: 5.842 min Scan# 1835
Delta R.T. 0.020 min
Lab File: Q4381.D
Acq: 23 Aug 2007 8:05 pm

Tgt Ion: 45 Resp: 249440

Ion	Ratio	Lower	Upper
45	100		
59	3.4	0.0	25.2
43	23.1	0.0	39.3

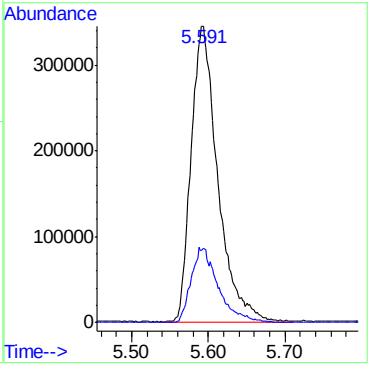


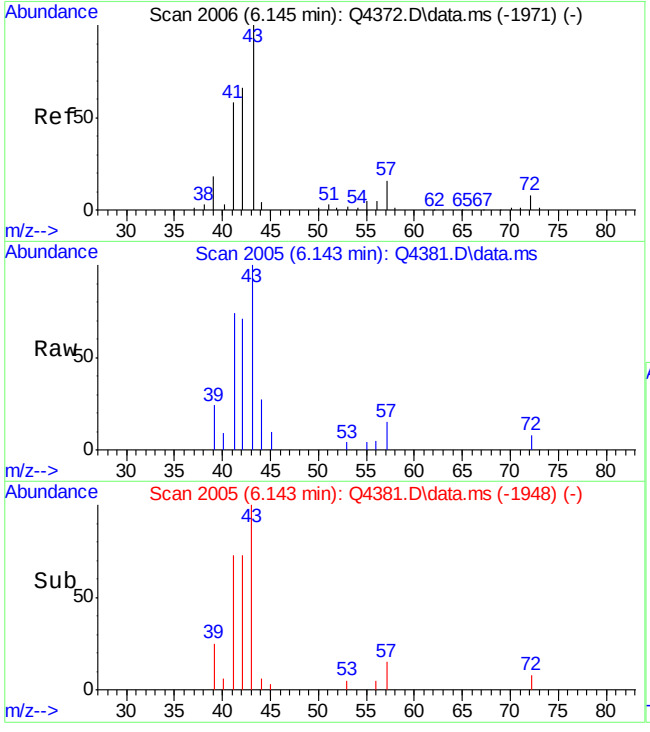


#12
ACETONE
Concen: 38.97 PPBV
RT: 5.591 min Scan# 1694
Delta R.T. -0.003 min
Lab File: Q4381.D
Acq: 23 Aug 2007 8:05 pm

Tgt Ion: 43 Resp: 831443

Ion	Ratio	Lower	Upper
43	100		
58	25.7	5.6	45.6

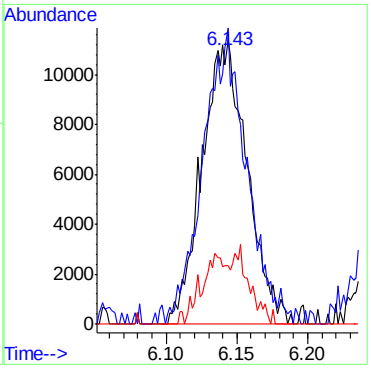


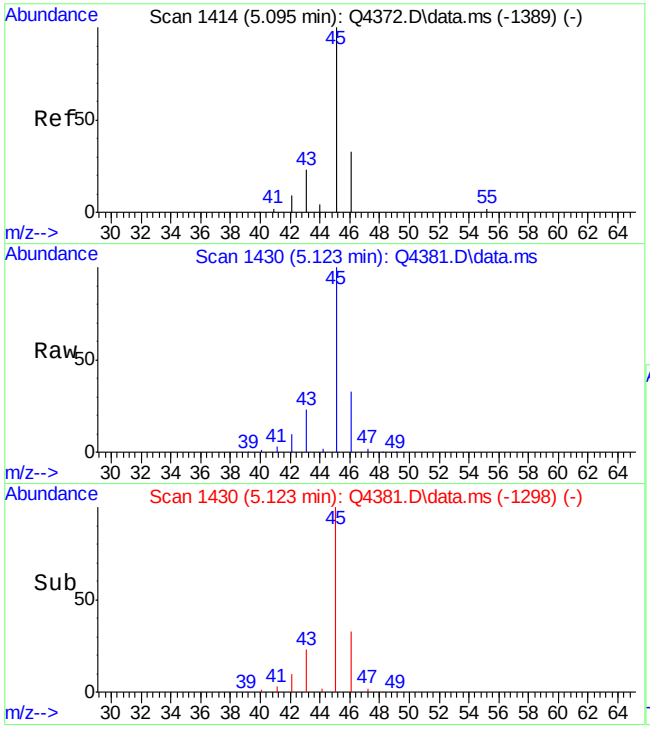


#13
PENTANE
Concen: 1.56 PPBV
RT: 6.143 min Scan# 2005
Delta R.T. -0.002 min
Lab File: Q4381.D
Acq: 23 Aug 2007 8:05 pm

Tgt Ion: 42 Resp: 25126

Ion	Ratio	Lower	Upper
42	100		
41	101.3	72.8	112.8
57	24.8	4.8	44.8

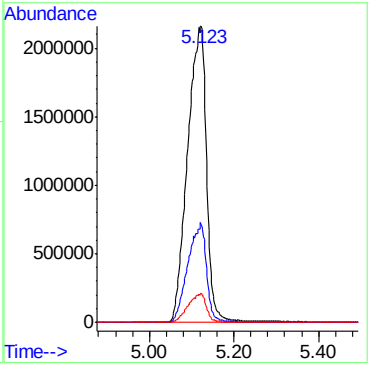


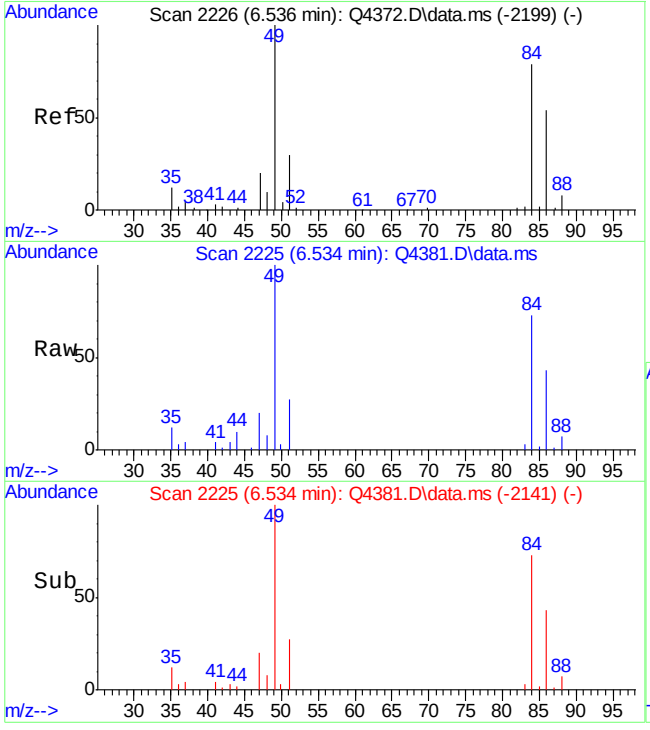


#16
ETHANOL
Concen: 1234.13 PPBV
RT: 5.123 min Scan# 1430
Delta R.T. 0.028 min
Lab File: Q4381.D
Acq: 23 Aug 2007 8:05 pm

Tgt Ion: 45 Resp: 6781284

Ion	Ratio	Lower	Upper
45	100		
46	33.0	13.4	53.4
42	9.4	0.0	28.7

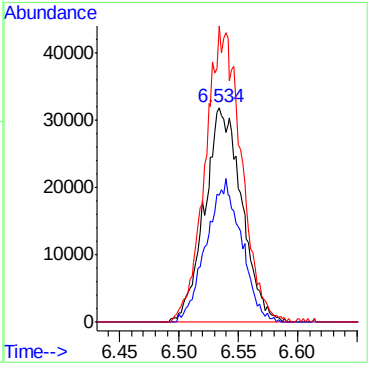


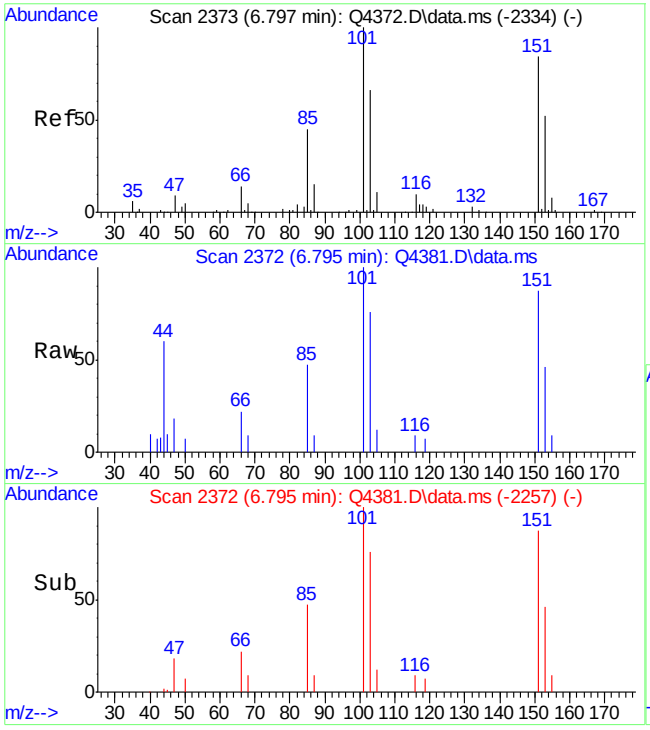


#18
METHYLENE CHLORIDE
Concen: 5.34 PPBV
RT: 6.534 min Scan# 2225
Delta R.T. -0.001 min
Lab File: Q4381.D
Acq: 23 Aug 2007 8:05 pm

Tgt Ion: 84 Resp: 69074

Ion	Ratio	Lower	Upper
84	100		
86	63.0	44.9	84.9
49	134.4	0.0	329.7

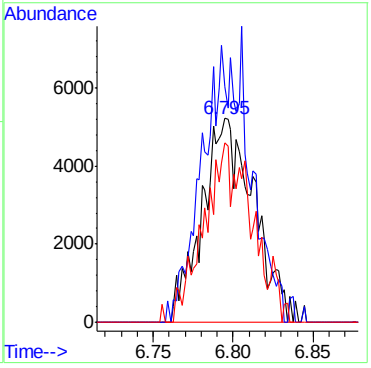


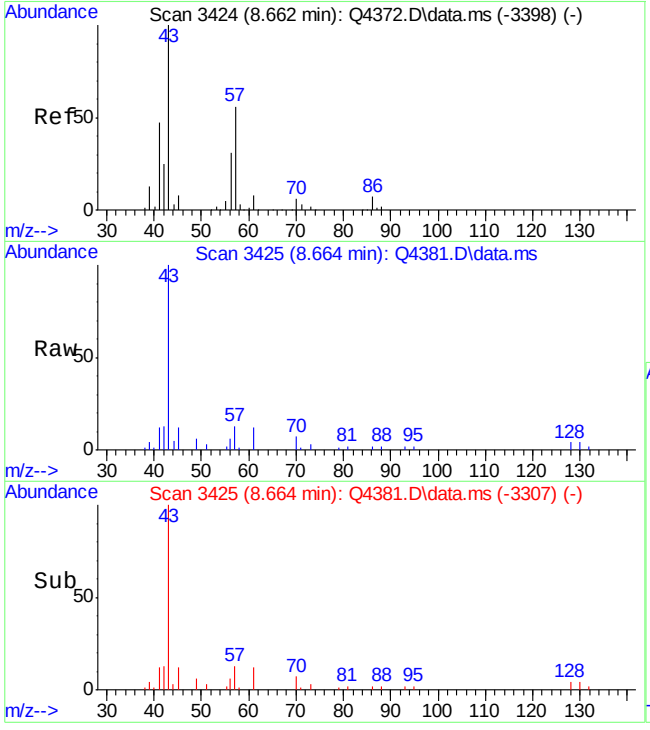


#20
FREON 113
Concen: 0.36 PPBV
RT: 6.795 min Scan# 2372
Delta R.T. -0.002 min
Lab File: Q4381.D
Acq: 23 Aug 2007 8:05 pm

Tgt Ion:151 Resp: 11736

Ion	Ratio	Lower	Upper
151	100		
101	126.4	103.3	143.3
103	82.1	58.7	98.7

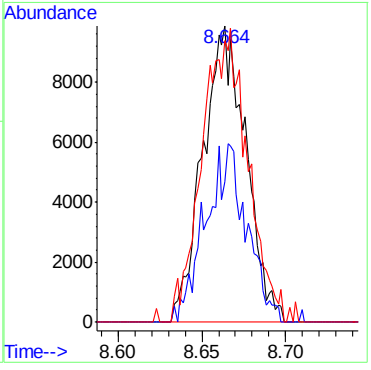


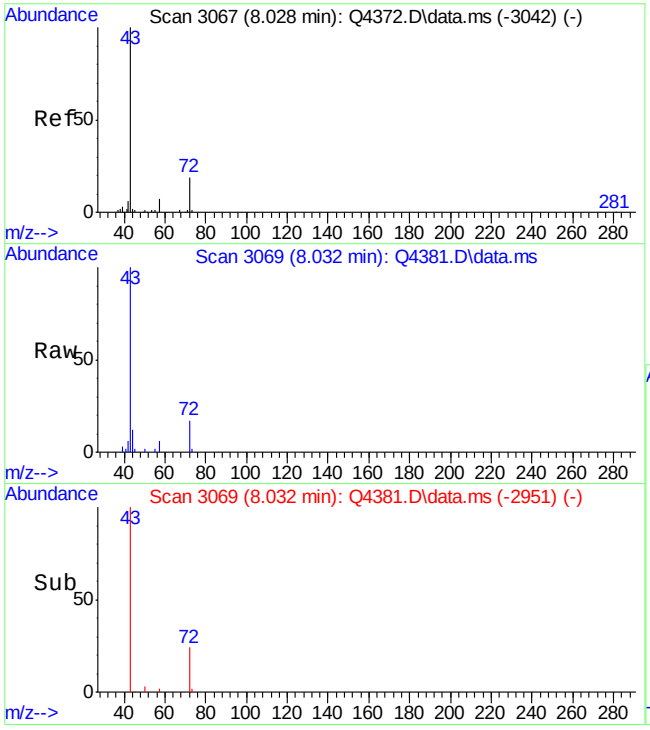


#25
HEXANE
Concen: 0.65 PPBV
RT: 8.664 min Scan# 3425
Delta R.T. 0.003 min
Lab File: Q4381.D
Acq: 23 Aug 2007 8:05 pm

Tgt Ion: 57 Resp: 17679

Ion	Ratio	Lower	Upper
57	100		
56	57.0	32.5	72.5
41	104.5	65.6	105.6

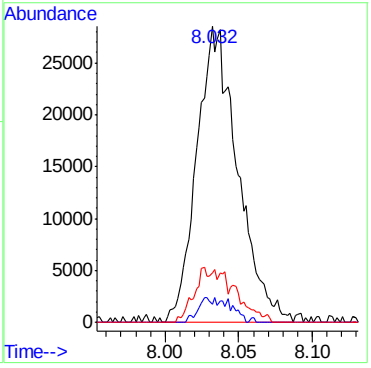


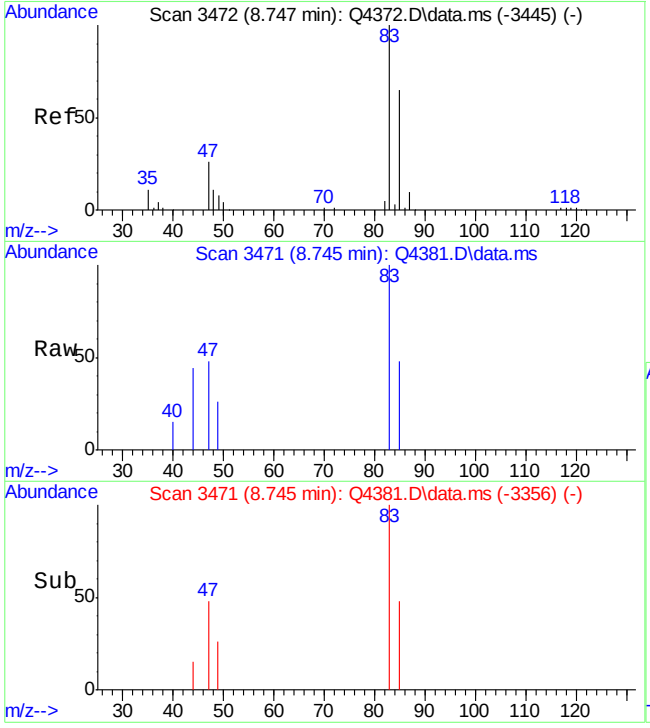


#28
METHYL ETHYL KETONE
Concen: 2.06 PPBV
RT: 8.032 min Scan# 3069
Delta R.T. 0.004 min
Lab File: Q4381.D
Acq: 23 Aug 2007 8:05 pm

Tgt Ion: 43 Resp: 54998

Ion	Ratio	Lower	Upper
43	100		
57	6.1	0.0	27.1
72	16.7	0.0	39.5

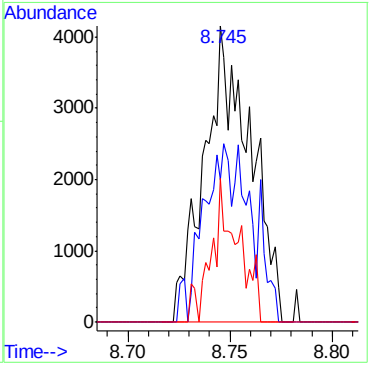


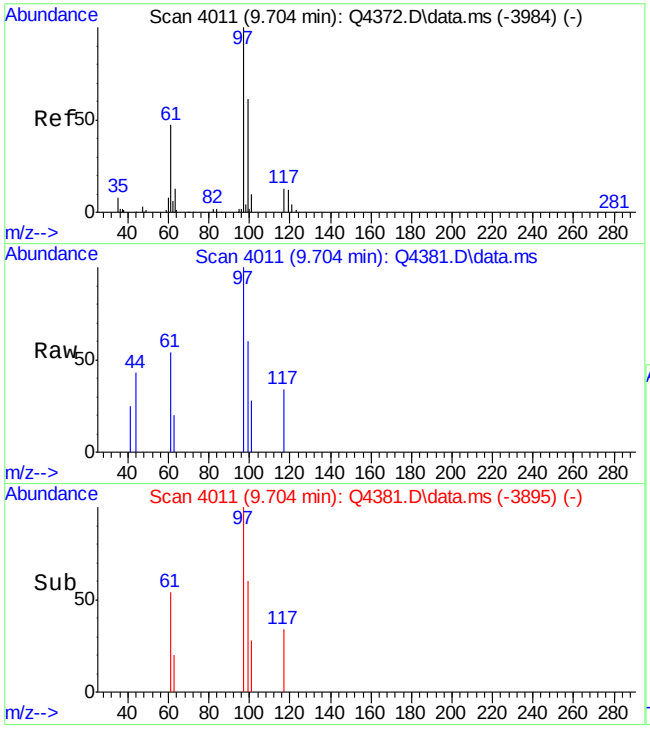


#31
CHLOROFORM
Concen: 0.19 PPBV
RT: 8.745 min Scan# 3471
Delta R.T. -0.002 min
Lab File: Q4381.D
Acq: 23 Aug 2007 8:05 pm

Tgt Ion: 83 Resp: 6486

Ion	Ratio	Lower	Upper
83	100		
85	62.2	43.9	83.9
47	28.2	5.1	45.1

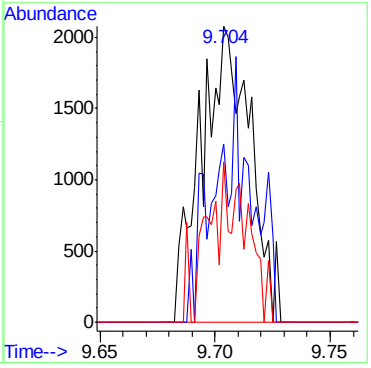


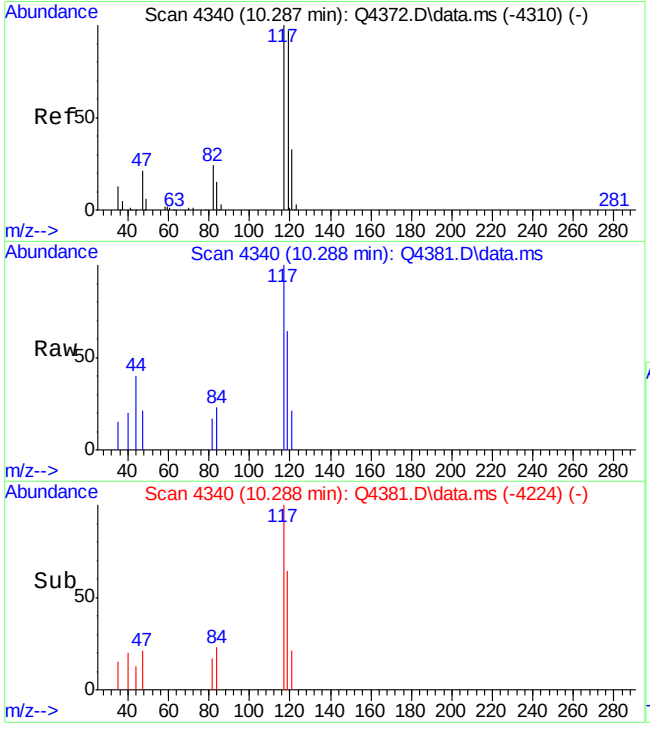


#32
1,1,1-TRICHLOROETHANE
Concen: 0.09 PPBV
RT: 9.704 min Scan# 4011
Delta R.T. 0.000 min
Lab File: Q4381.D
Acq: 23 Aug 2007 8:05 pm

Tgt Ion: 97 Resp: 3099

Ion	Ratio	Lower	Upper
97	100		
99	0.0	44.7	84.7#
61	16.2	26.0	66.0#

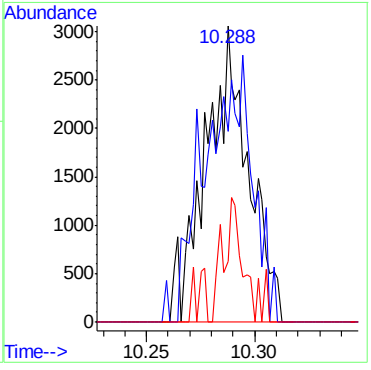


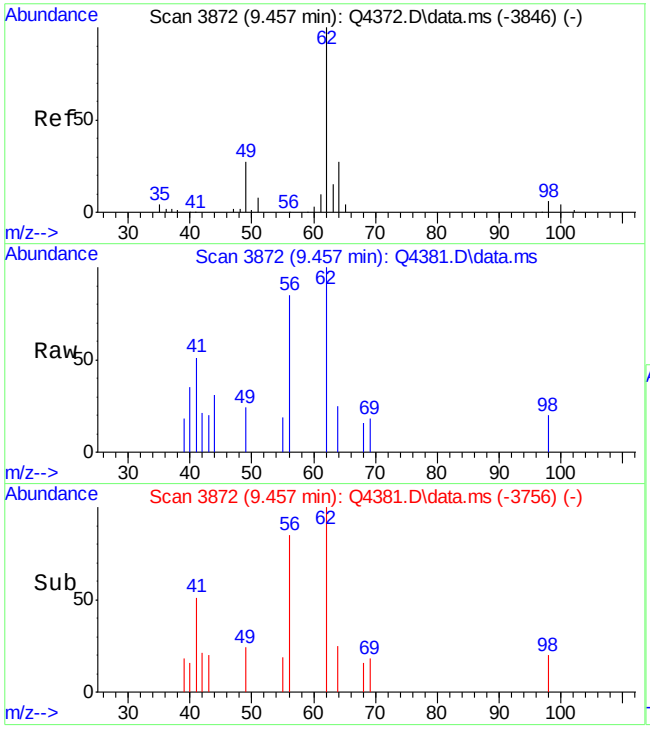


#33
CARBON TETRACHLORIDE
Concen: 0.11 PPBV
RT: 10.288 min Scan# 4340
Delta R.T. 0.000 min
Lab File: Q4381.D
Acq: 23 Aug 2007 8:05 pm

Tgt Ion:117 Resp: 4219

Ion	Ratio	Lower	Upper
117	100		
119	96.8	75.6	115.6
121	19.3	10.8	50.8

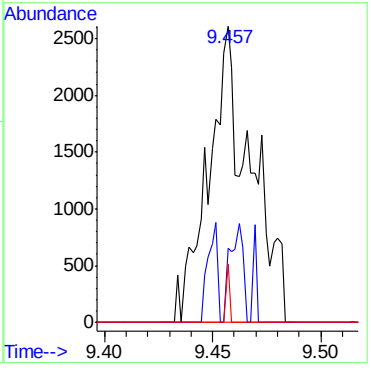


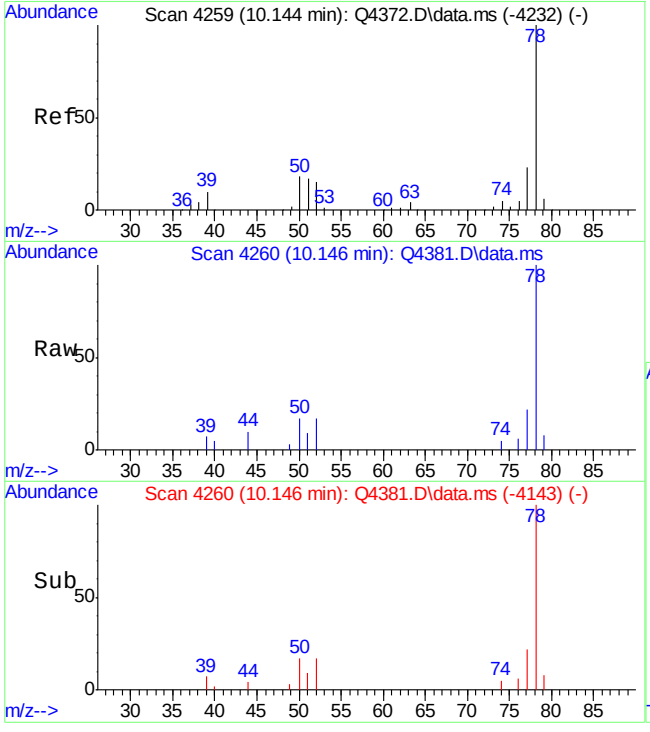


#34
1,2-DICHLOROETHANE
Concen: 0.18 PPBV
RT: 9.457 min Scan# 3872
Delta R.T. 0.000 min
Lab File: Q4381.D
Acq: 23 Aug 2007 8:05 pm

Tgt Ion: 62 Resp: 3537

Ion	Ratio	Lower	Upper
62	100		
64	13.0	11.6	51.6
98	0.0	0.0	26.6

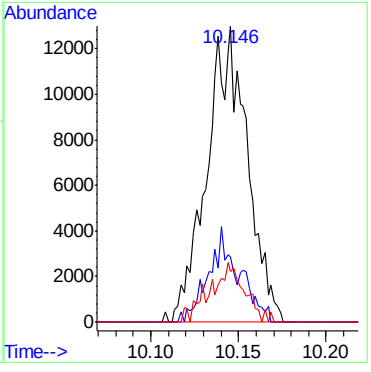


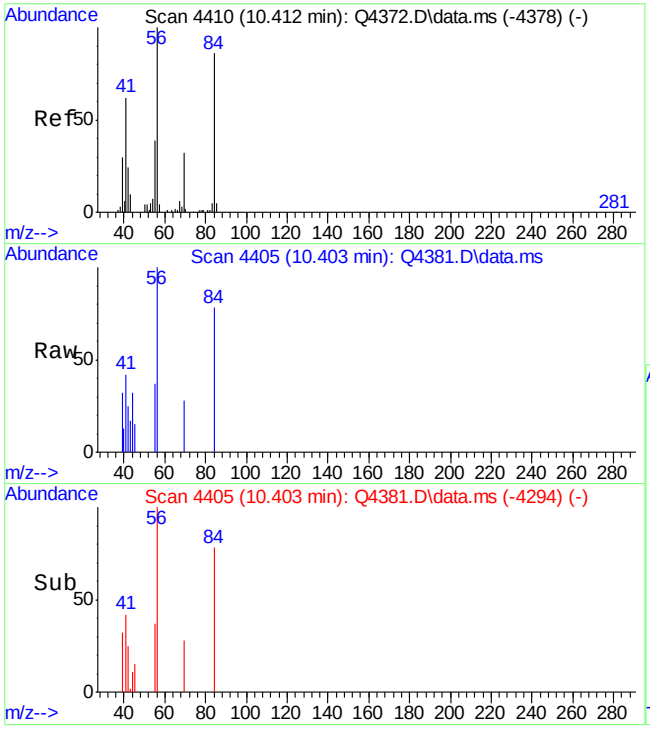


#36
BENZENE
Concen: 0.54 PPBV
RT: 10.146 min Scan# 4260
Delta R.T. 0.002 min
Lab File: Q4381.D
Acq: 23 Aug 2007 8:05 pm

Tgt Ion: 78 Resp: 20840

Ion	Ratio	Lower	Upper
78	100		
77	24.1	3.0	43.0
52	17.0	0.0	36.7

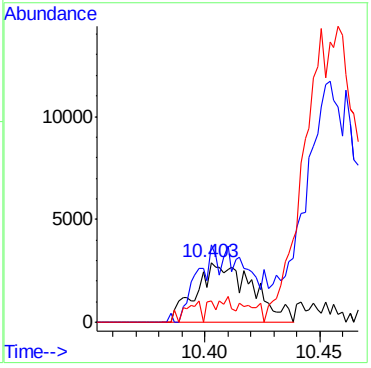


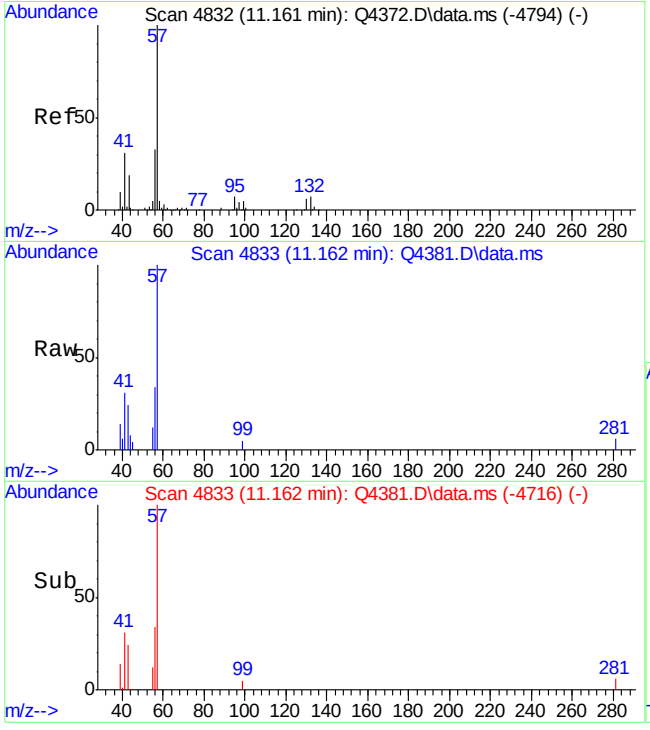


#37
CYCLOHEXANE
Concen: 0.26 PPBV
RT: 10.403 min Scan# 4405
Delta R.T. -0.009 min
Lab File: Q4381.D
Acq: 23 Aug 2007 8:05 pm

Tgt Ion: 84 Resp: 4931

Ion	Ratio	Lower	Upper
84	100		
56	116.9	112.2	152.2
69	10.0	18.2	58.2#

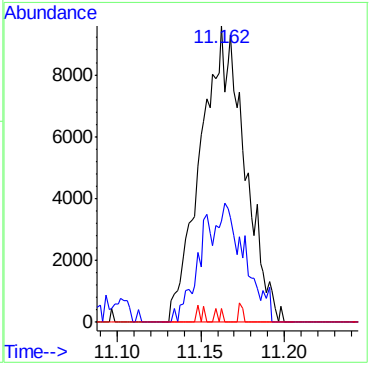


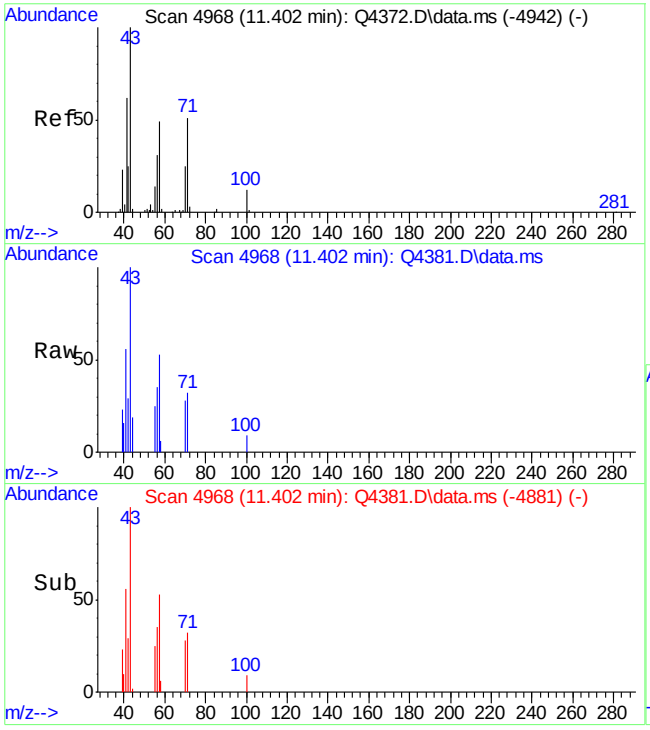


#41
2,2,4-TRIMETHYLPENTANE
Concen: 0.26 PPBV
RT: 11.162 min Scan# 4833
Delta R.T. 0.002 min
Lab File: Q4381.D
Acq: 23 Aug 2007 8:05 pm

Tgt Ion: 57 Resp: 17425

Ion	Ratio	Lower	Upper
57	100		
56	39.1	12.0	52.0
99	0.5	0.0	27.1

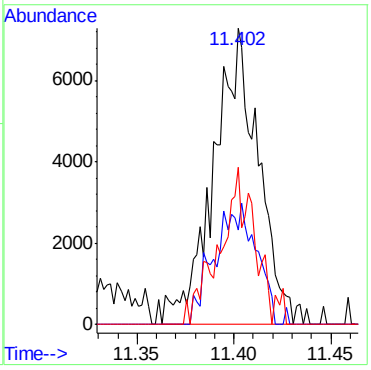


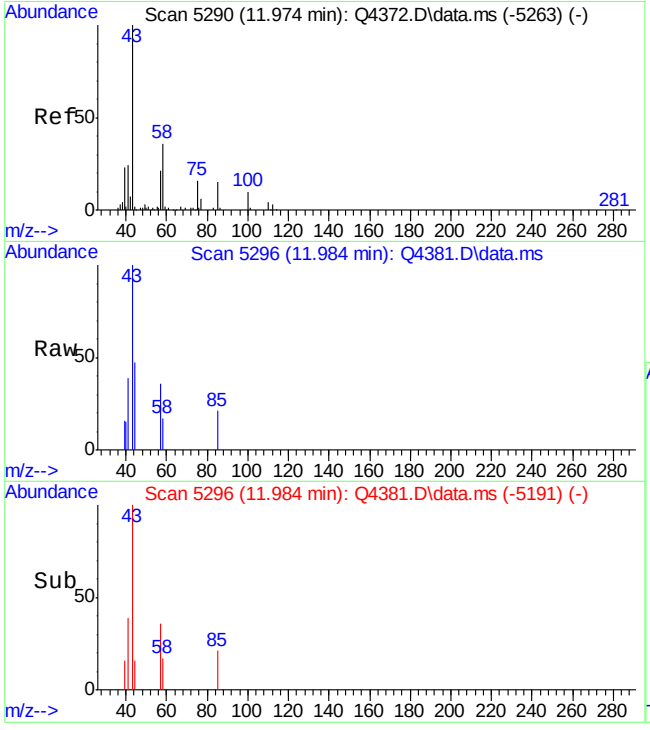


#43
HEPTANE
Concen: 0.45 PPBV
RT: 11.402 min Scan# 4968
Delta R.T. 0.000 min
Lab File: Q4381.D
Acq: 23 Aug 2007 8:05 pm

Tgt Ion: 43 Resp: 11594

Ion	Ratio	Lower	Upper
43	100		
71	38.8	31.1	71.1
57	42.8	29.7	69.7

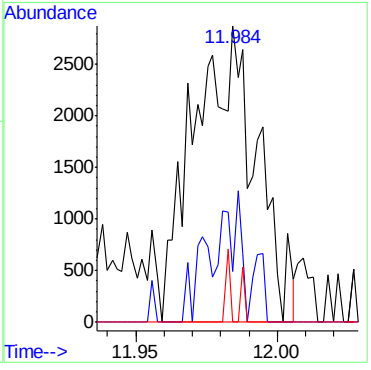


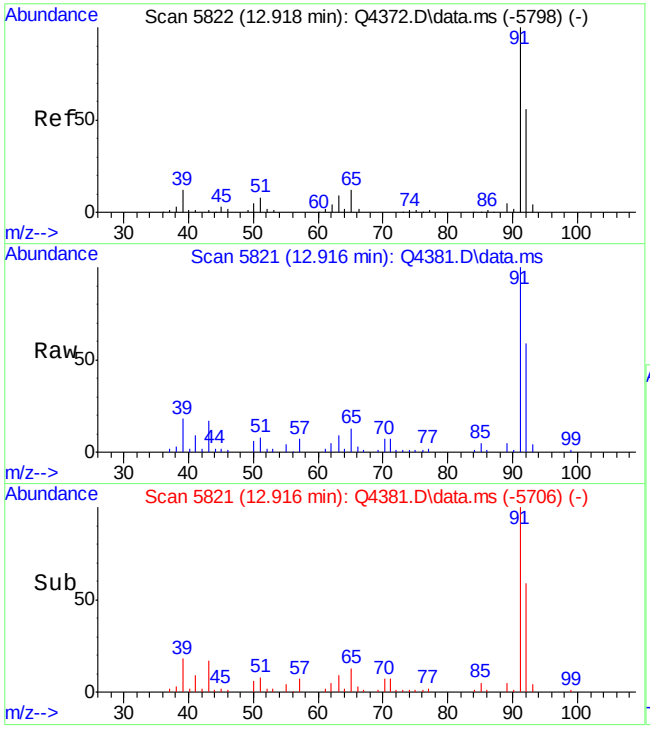


#44
METHYL ISOBUTYL KETONE
Concen: 0.15 PPBV
RT: 11.984 min Scan# 5296
Delta R.T. 0.011 min
Lab File: Q4381.D
Acq: 23 Aug 2007 8:05 pm

Tgt Ion: 43 Resp: 4439

Ion	Ratio	Lower	Upper
43	100		
58	24.4	15.2	55.2
100	3.0	0.0	30.2

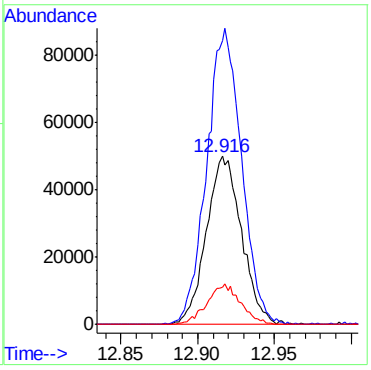


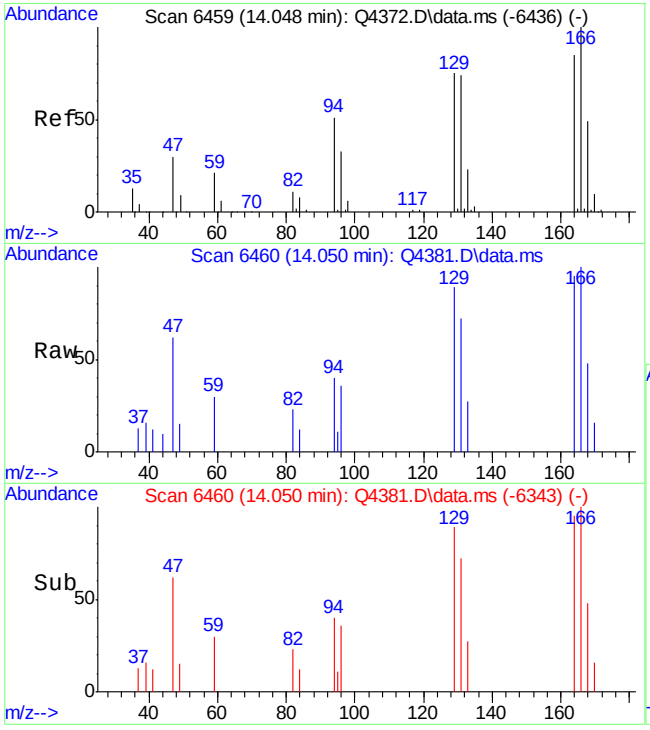


#46
TOLUENE
Concen: 2.82 PPBV
RT: 12.916 min Scan# 5821
Delta R.T. -0.002 min
Lab File: Q4381.D
Acq: 23 Aug 2007 8:05 pm

Tgt Ion: 92 Resp: 79378

Ion	Ratio	Lower	Upper
92	100		
91	174.4	151.1	191.1
65	22.9	0.7	40.7

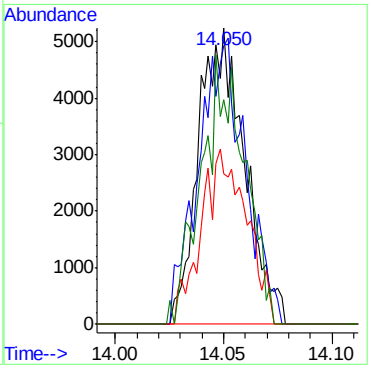


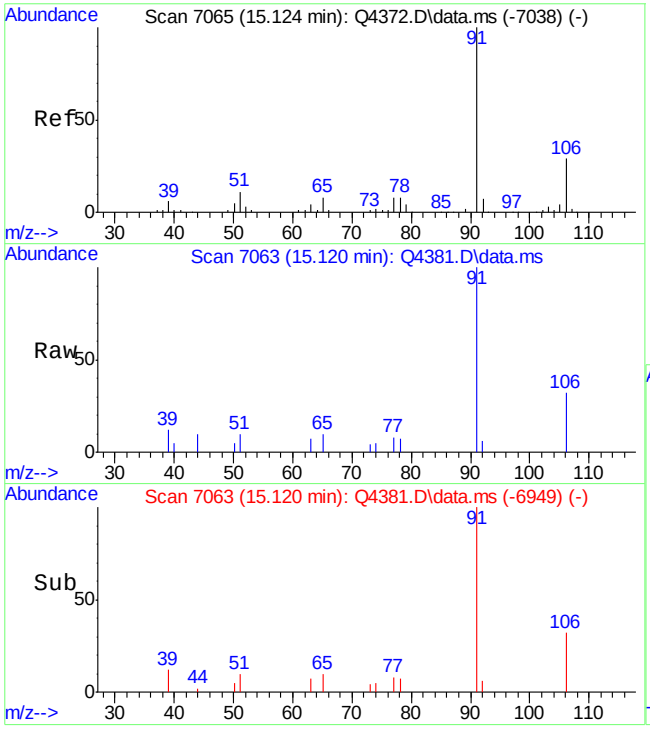


#51
TETRACHLOROETHYLENE
Concen: 0.42 PPBV
RT: 14.050 min Scan# 6460
Delta R.T. 0.002 min
Lab File: Q4381.D
Acq: 23 Aug 2007 8:05 pm

Tgt Ion:164 Resp: 7735

Ion	Ratio	Lower	Upper
164	100		
129	98.4	76.4	116.4
168	58.4	40.9	80.9
131	85.4	73.9	113.9

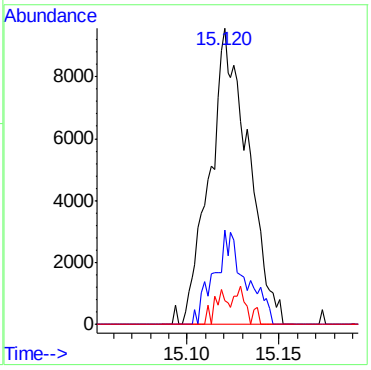


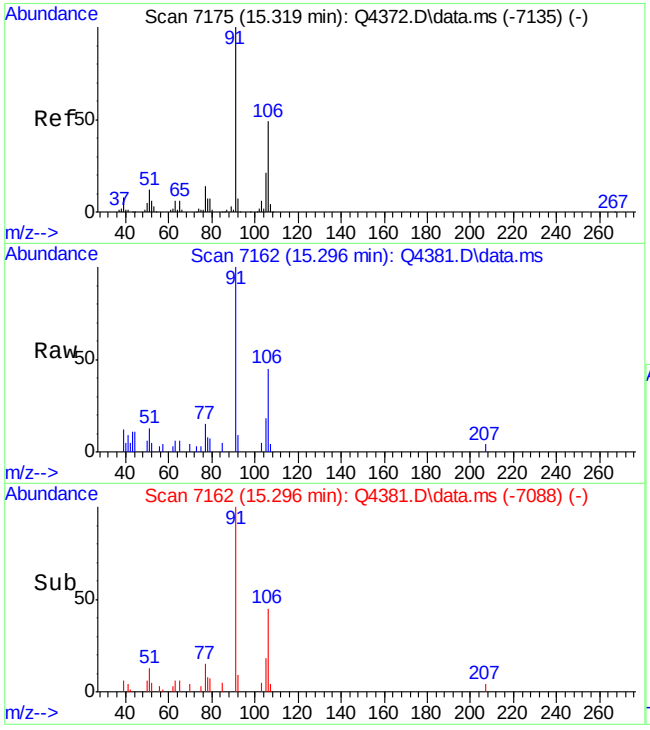


#55
ETHYLBENZENE
Concen: 0.29 PPBV
RT: 15.120 min Scan# 7063
Delta R.T. -0.004 min
Lab File: Q4381.D
Acq: 23 Aug 2007 8:05 pm

Tgt Ion: 91 Resp: 13896

Ion	Ratio	Lower	Upper
91	100		
106	26.2	9.2	49.2
77	8.2	0.0	28.7

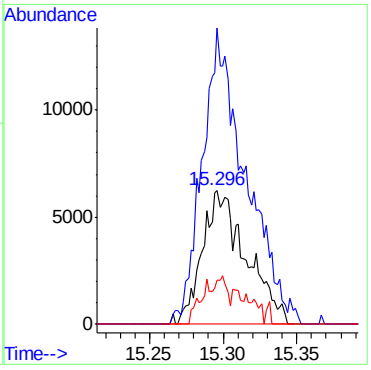


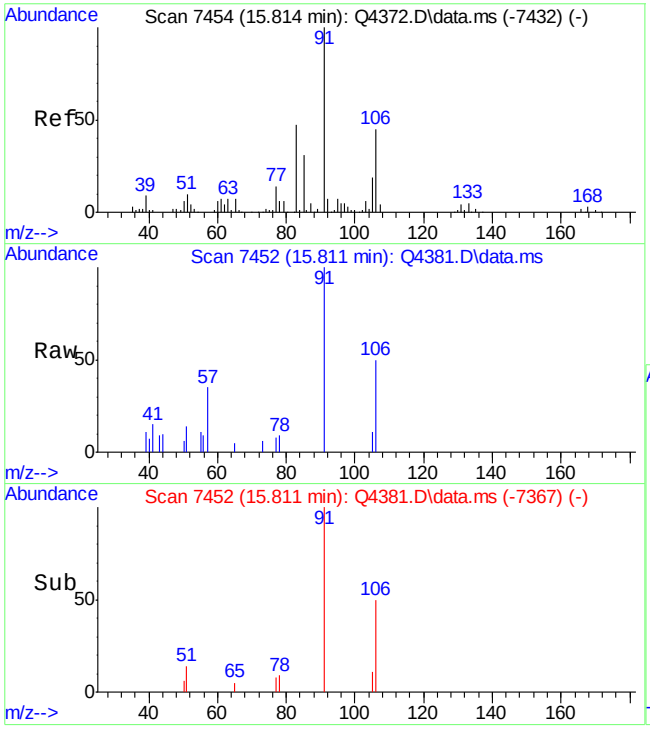


#56
m,p-XYLENE
Concen: 0.72 PPBV
RT: 15.296 min Scan# 7162
Delta R.T. -0.023 min
Lab File: Q4381.D
Acq: 23 Aug 2007 8:05 pm

Tgt Ion:106 Resp: 12975

Ion	Ratio	Lower	Upper
106	100		
91	220.9	163.1	244.7
77	32.6	23.0	34.4

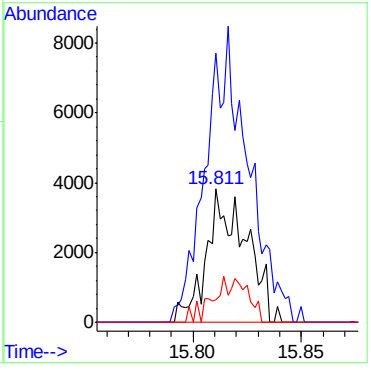


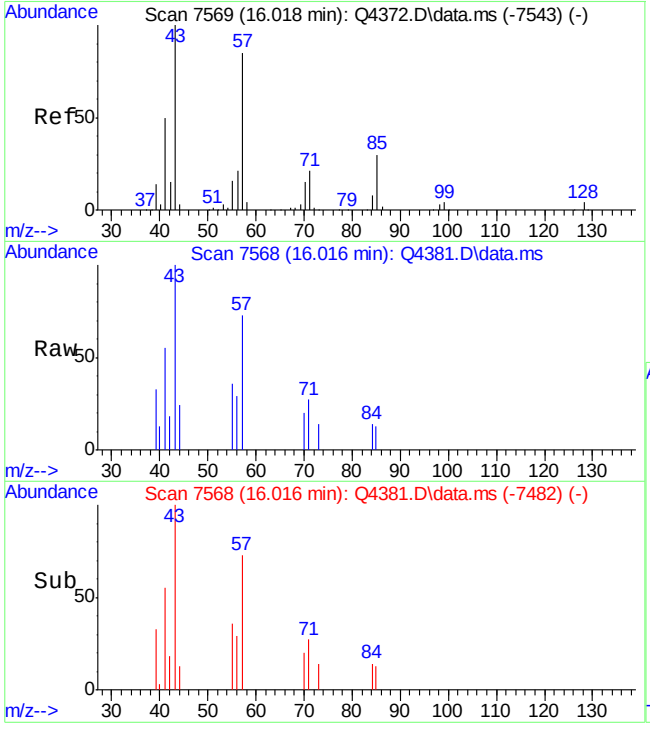


#57
o-XYLENE
Concen: 0.27 PPBV
RT: 15.811 min Scan# 7452
Delta R.T. -0.004 min
Lab File: Q4381.D
Acq: 23 Aug 2007 8:05 pm

Tgt Ion:106 Resp: 4804

Ion	Ratio	Lower	Upper
106	100		
91	239.1	204.6	244.6
77	29.0	9.1	49.1

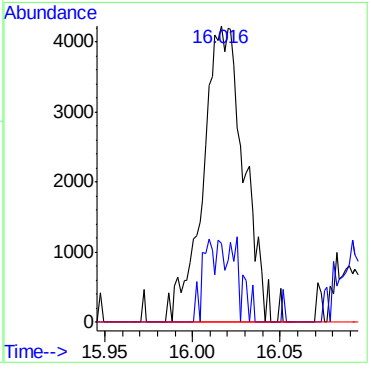


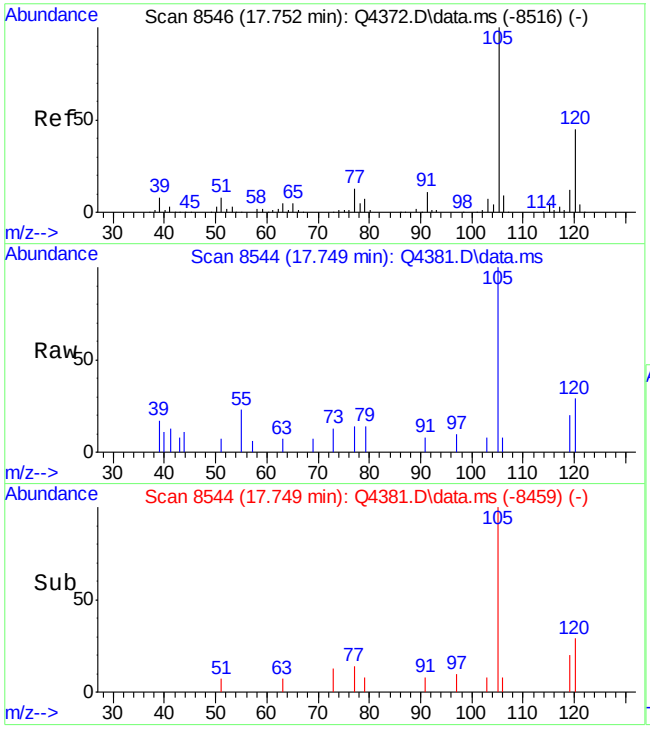


#59
NONANE
Concen: 0.24 PPBV
RT: 16.016 min Scan# 7568
Delta R.T. -0.002 min
Lab File: Q4381.D
Acq: 23 Aug 2007 8:05 pm

Tgt Ion: 43 Resp: 6848

Ion	Ratio	Lower	Upper
43	100		
71	22.3	1.2	41.2
128	0.0	0.0	24.0

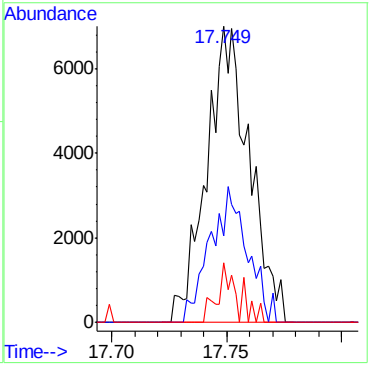


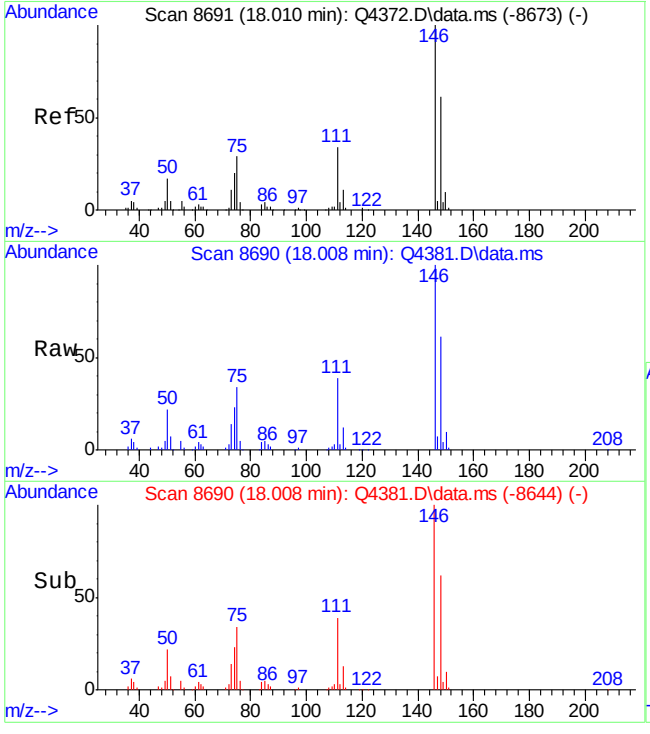


#67
1,2,4-TRIMETHYLBENZENE
Concen: 0.24 PPBV
RT: 17.749 min Scan# 8544
Delta R.T. -0.004 min
Lab File: Q4381.D
Acq: 23 Aug 2007 8:05 pm

Tgt Ion:105 Resp: 9021

Ion	Ratio	Lower	Upper
105	100		
120	40.0	24.9	64.9
119	9.3	0.0	31.5

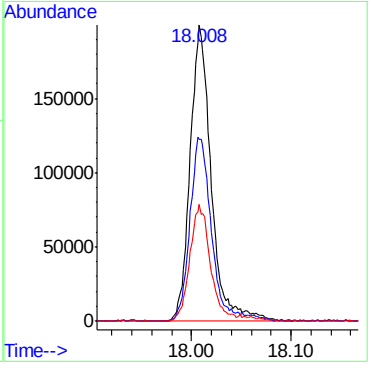




#70
p-DICHLOROBENZENE
Concen: 13.60 PPBV
RT: 18.008 min Scan# 8690
Delta R.T. -0.001 min
Lab File: Q4381.D
Acq: 23 Aug 2007 8:05 pm

Tgt Ion:146 Resp: 292286

Ion	Ratio	Lower	Upper
146	100		
148	64.2	44.2	84.2
111	39.8	18.7	58.7



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10886.D
Acq On : 6 Jul 2007 10:37 am
Operator : danat
Sample : scc (M145)
Misc : MS13866, MSJ562,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 06 13:32:04 2007
Quant Method : C:\MSDCHEM\1\METHODS\J070507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jul 05 17:30:53 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	331649	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.43	114	1287275	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.67	117	1186205	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.28	95	329478	4.52	PPBV	-0.01

Spiked Amount 5.000 Range 51 - 142 Recovery = 90.40%

Target Compounds Qvalue

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

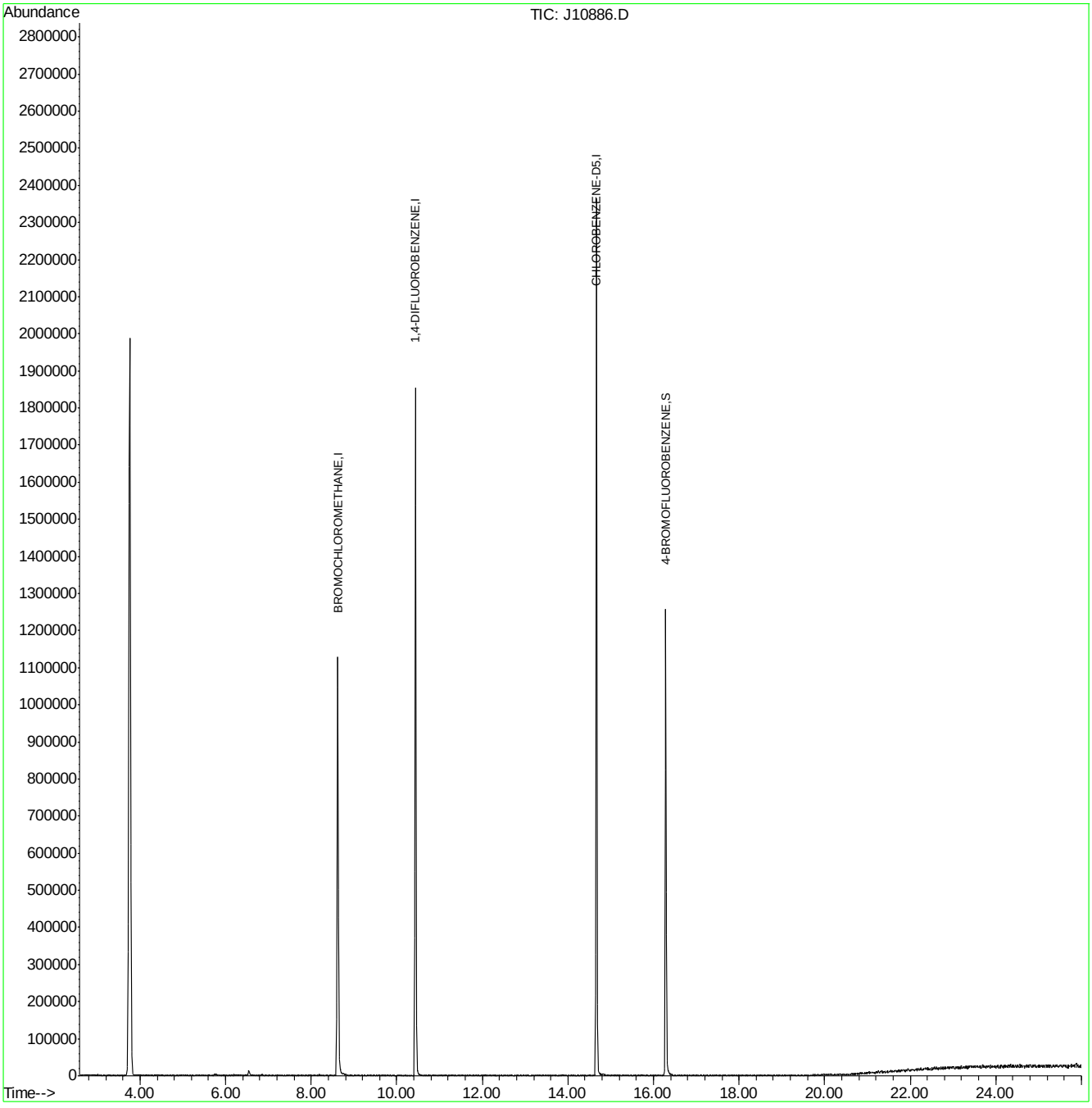
6.5.1

6

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10886.D
Acq On : 6 Jul 2007 10:37 am
Operator : danat
Sample : scc (M145)
Misc : MS13866, MSJ562,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 06 13:32:04 2007
Quant Method : C:\MSDCHEM\1\METHODS\J070507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jul 05 17:30:53 2007
Response via : Initial Calibration



J070507T.M Fri Jul 06 13:32:12 2007 Page: 2

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3991.D
Acq On : 17 Jul 2007 1:44 pm
Operator : danat
Sample : scc (M081)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 18 08:43:46 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:27:00 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.632	128	230475	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.461	114	1086133	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.707	117	911320	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.323	95	331794	4.96	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 99.20%

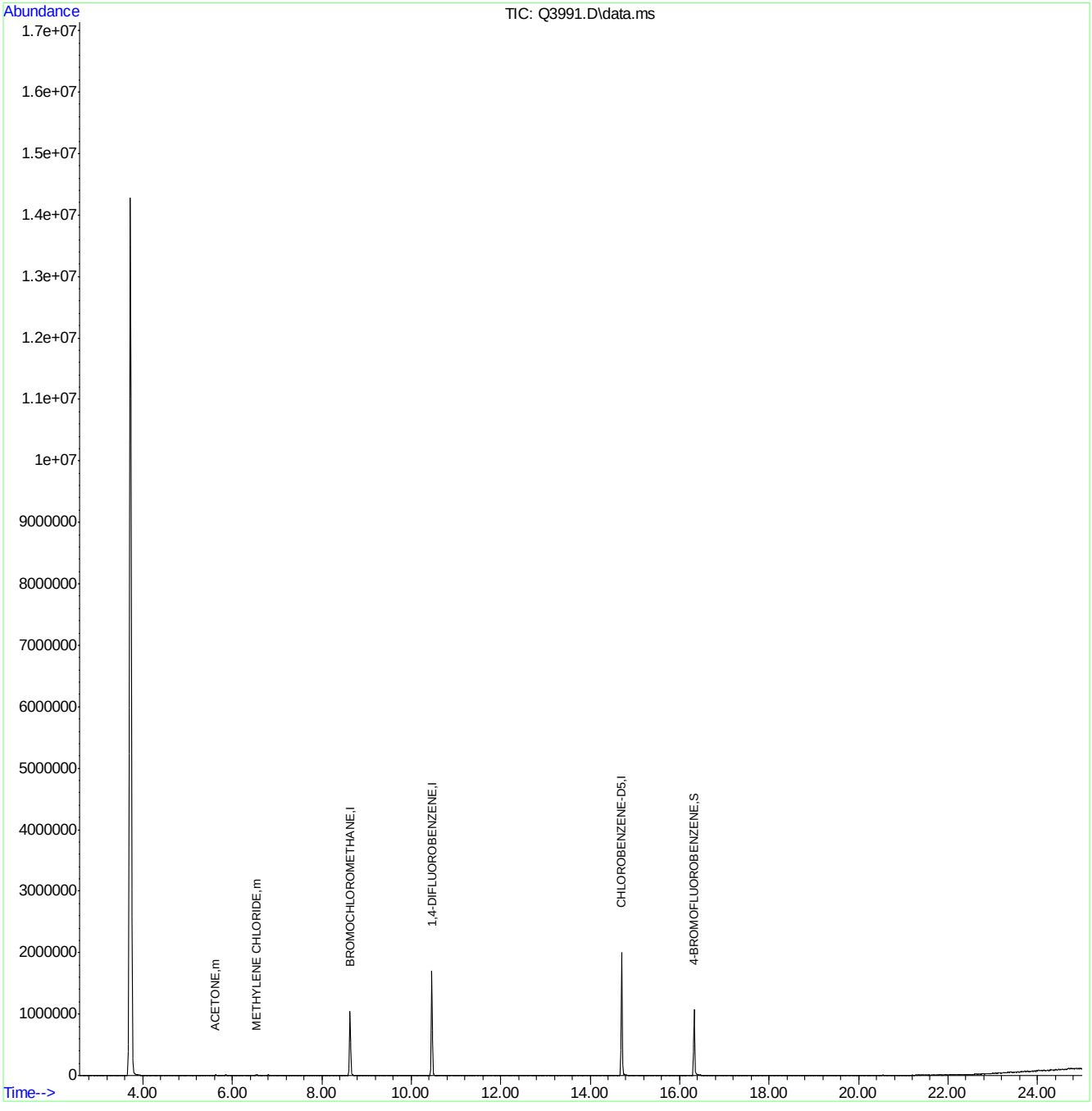
Target Compounds						Qvalue
12) ACETONE	5.613	43	10943	0.51	PPBV	60
18) METHYLENE CHLORIDE	6.546	84	3107	0.36	PPBV #	83

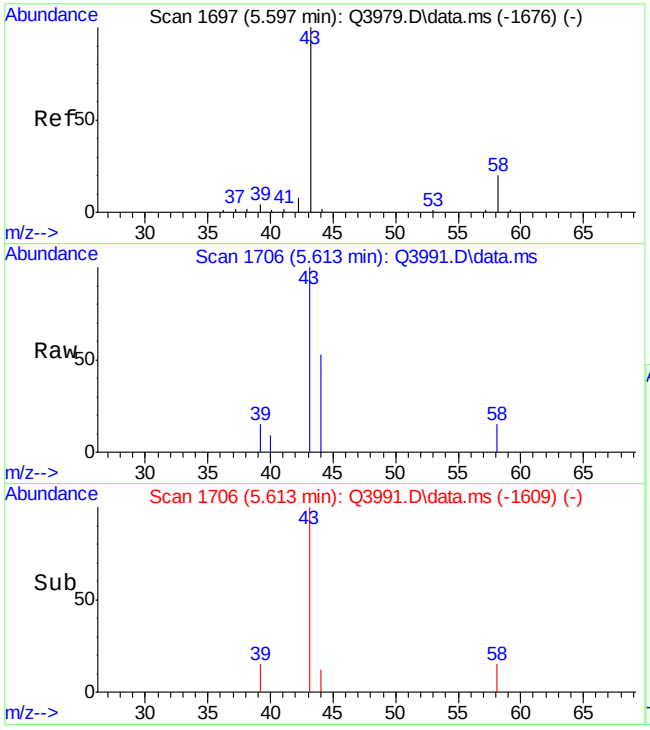
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3991.D
Acq On : 17 Jul 2007 1:44 pm
Operator : danat
Sample : scc (M081)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 18 08:43:46 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:27:00 2007
Response via : Initial Calibration

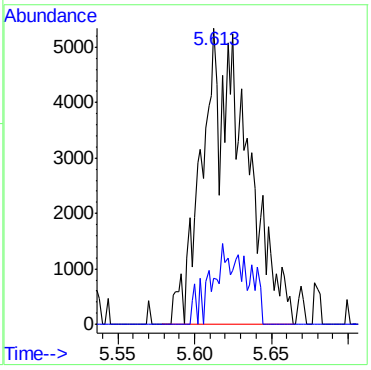


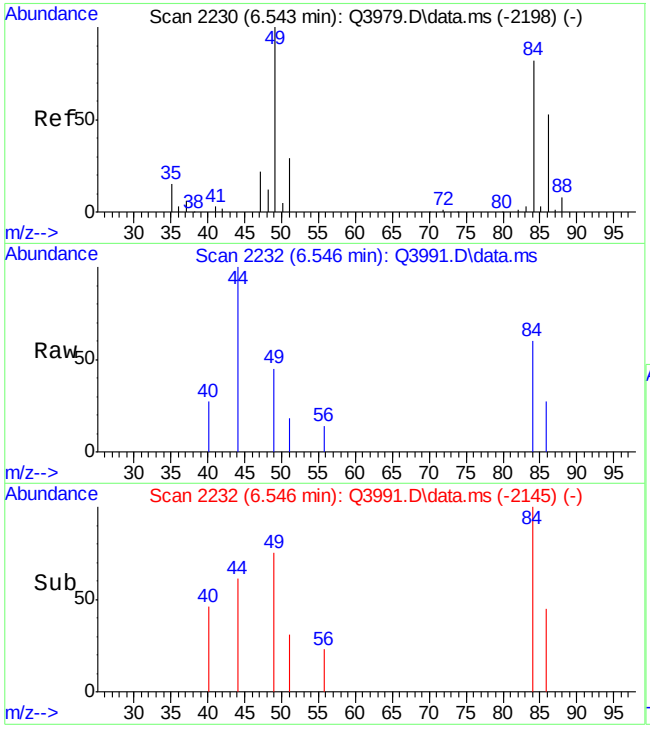


#12
ACETONE
Concen: 0.51 PPBV
RT: 5.613 min Scan# 1706
Delta R.T. 0.017 min
Lab File: Q3991.D
Acq: 17 Jul 2007 1:44 pm

Tgt Ion: 43 Resp: 10943

Ion	Ratio	Lower	Upper
43	100		
58	4.2	4.0	44.0

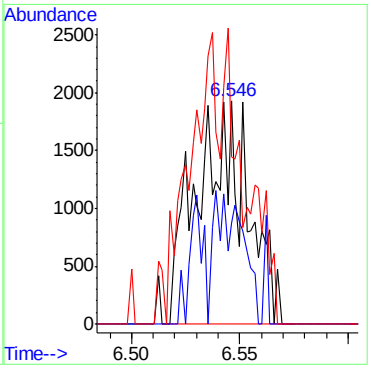




#18
METHYLENE CHLORIDE
Concen: 0.36 PPBV
RT: 6.546 min Scan# 2232
Delta R.T. 0.004 min
Lab File: Q3991.D
Acq: 17 Jul 2007 1:44 pm

Tgt Ion: 84 Resp: 3107

Ion	Ratio	Lower	Upper
84	100		
86	36.1	45.0	85.0#
49	135.0	0.0	327.5

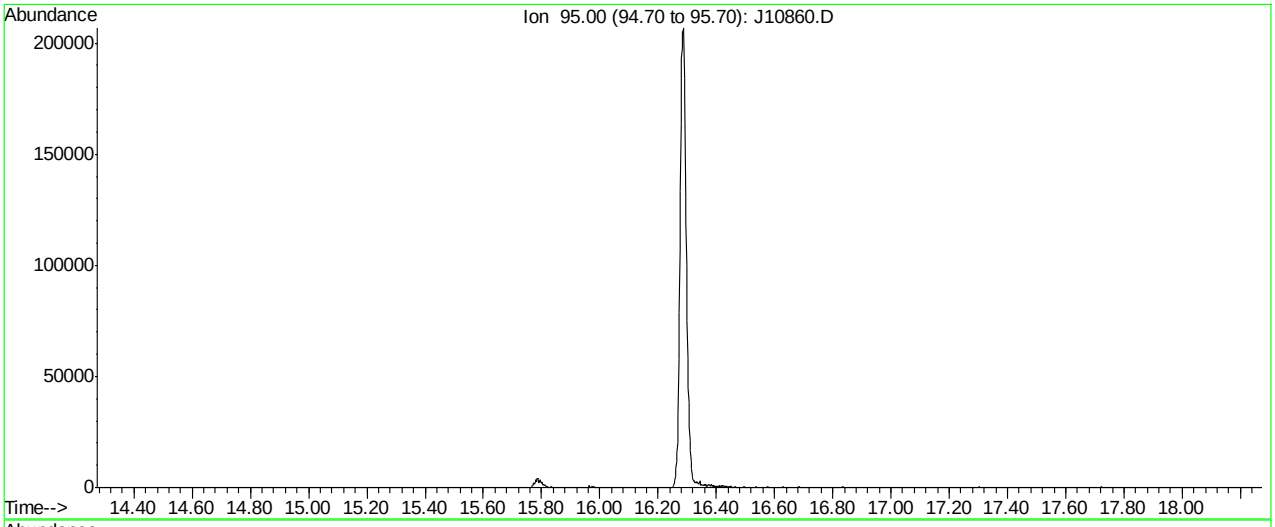


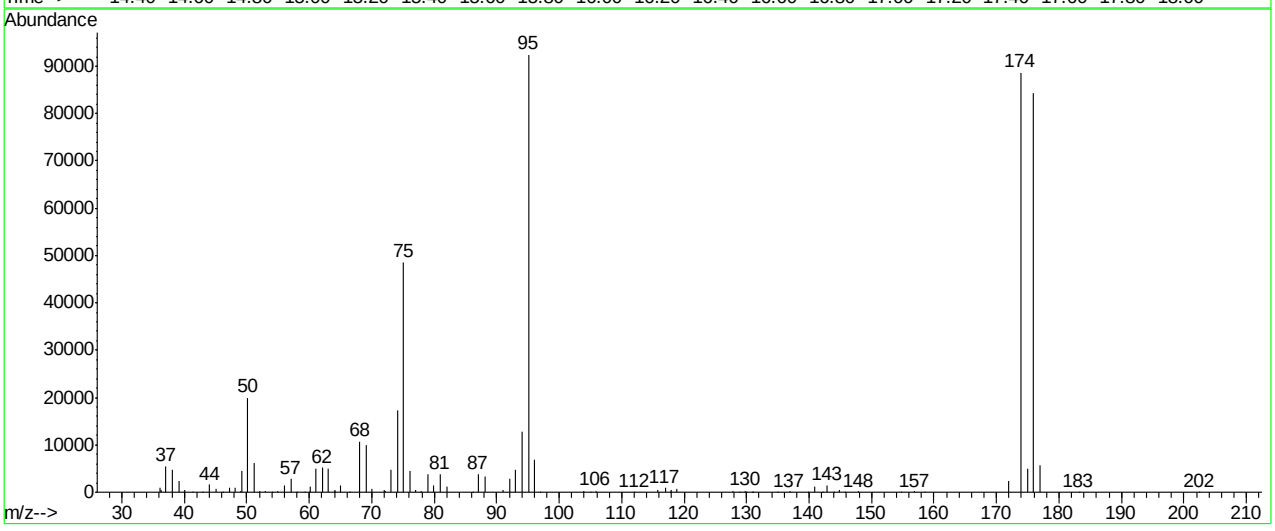
BFB

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

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

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





Spectrum Information: Average of 16.267 to 16.281 min.

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

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

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

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

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

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

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

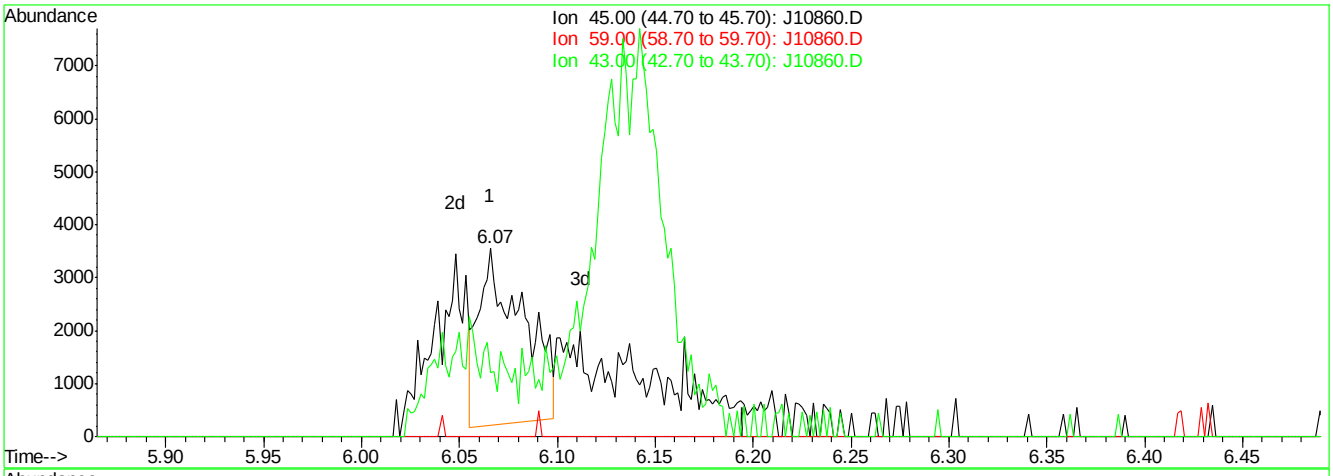
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
171.95	2479						
173.90	88639						
175.00	4877						
175.90	84398						
176.95	5762						
183.20	45						
202.50	46						

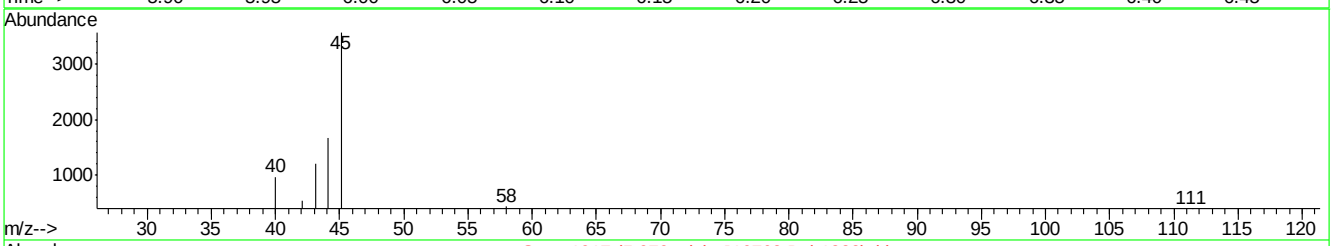
Quantitation Report (Qedit)

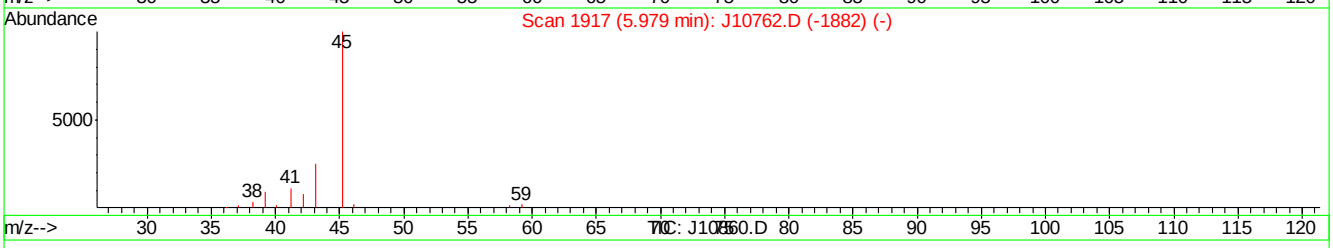
Data File : C:\MSDChem\1\data\J10860.D Vial: 1
Acq On : 5 Jul 2007 10:47 am Operator: danat
Sample : ic562-0.5 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

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







(11) ISOPROPYL ALCOHOL (m)

6.07min 0.15PPBV

response 5209

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

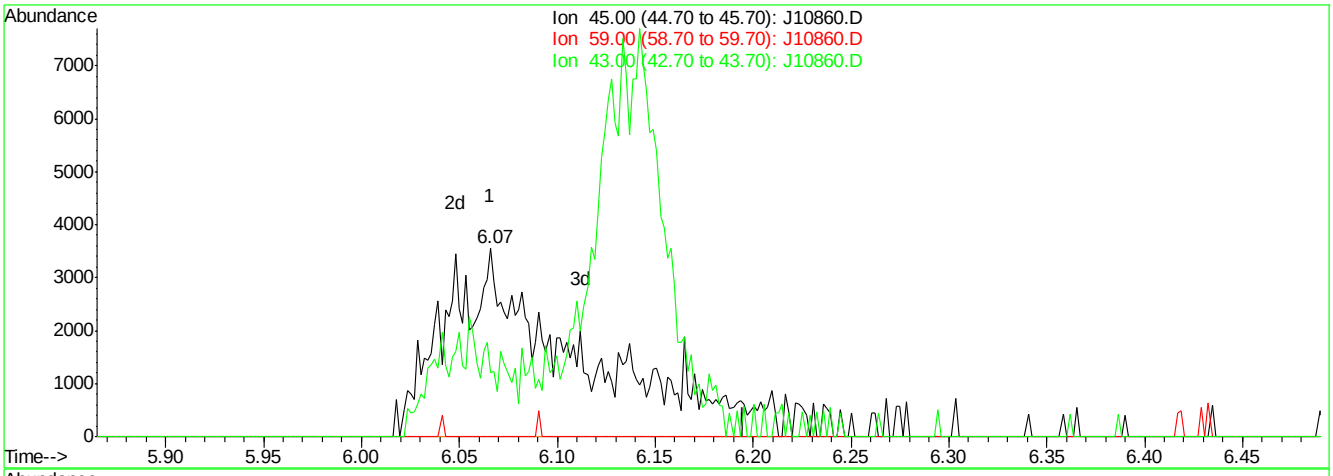
J10860.D J070507T.M Thu Jul 05 11:26:38 2007

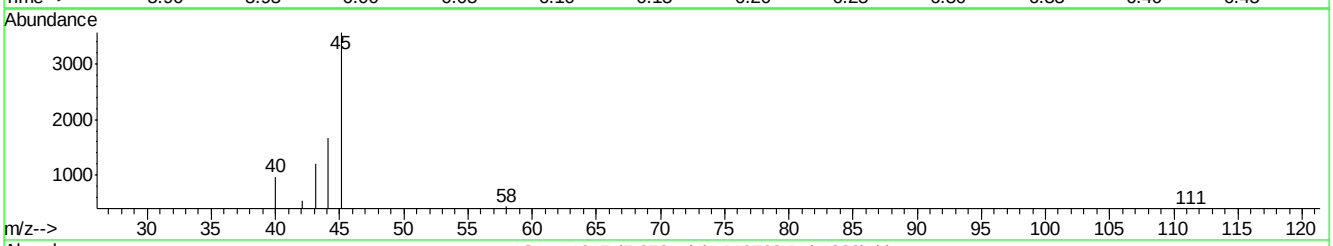
Quantitation Report (Qedit)

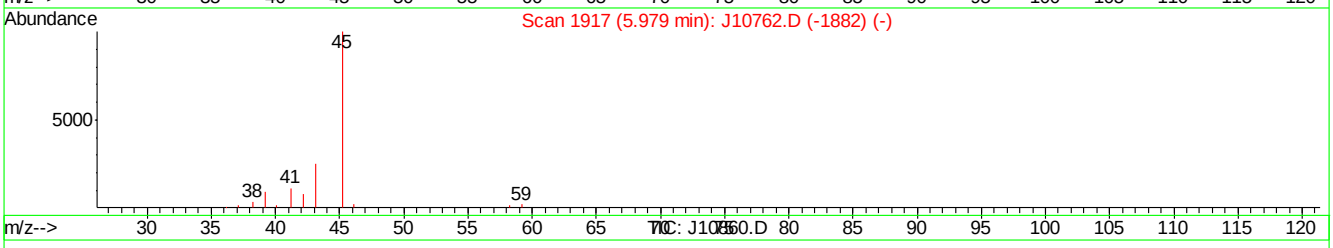
Data File : C:\MSDChem\1\data\J10860.D Vial: 1
Acq On : 5 Jul 2007 10:47 am Operator: danat
Sample : ic562-0.5 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

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







(11) ISOPROPYL ALCOHOL (m)

6.07min 0.47PPBV m

response 16583

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

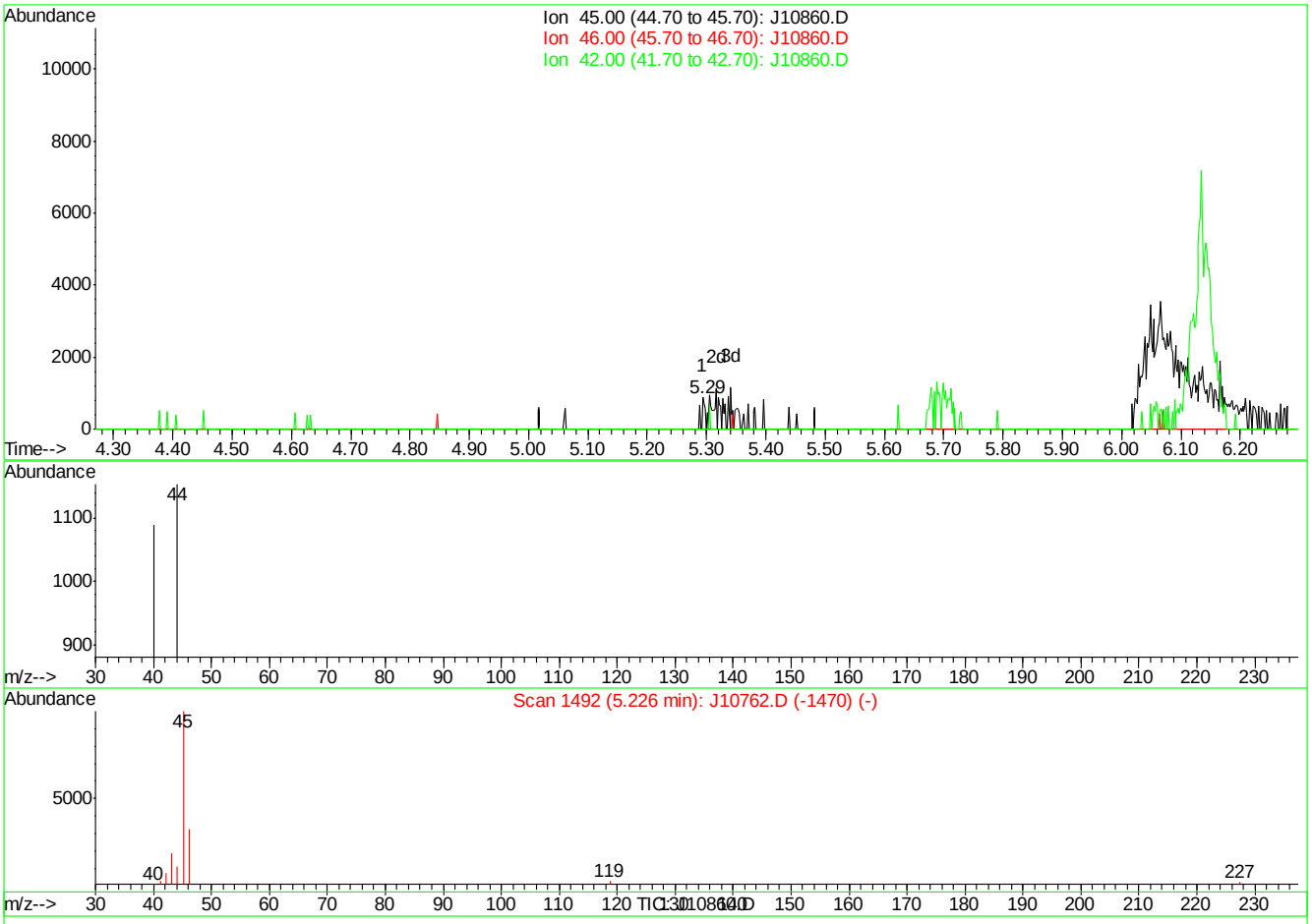
J10860.D J070507T.M Thu Jul 05 11:26:48 2007

Quantitation Report (Qedit)

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

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

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



(16) ETHANOL (m)

5.29min 0.05PPBV

response 306

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

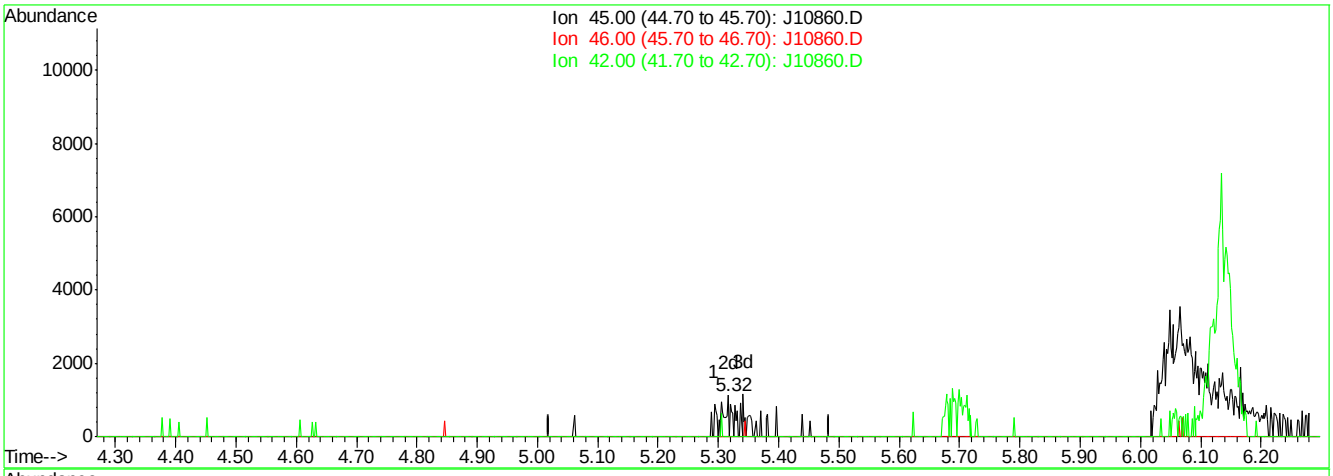
J10860.D J070507T.M Thu Jul 05 11:26:56 2007

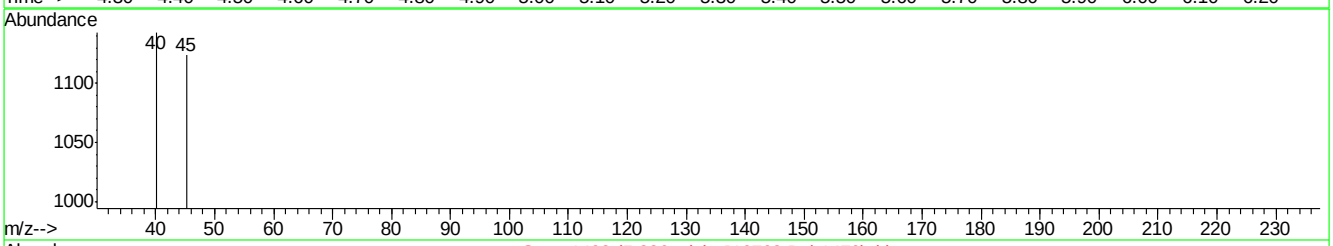
Quantitation Report (Qedit)

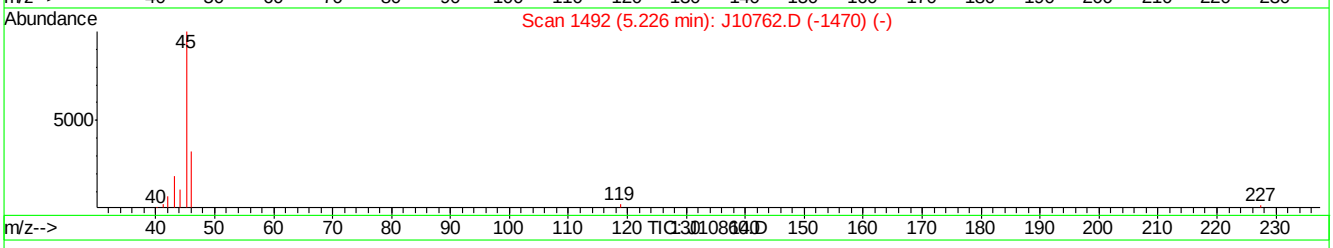
Data File : C:\MSDChem\1\data\J10860.D Vial: 1
Acq On : 5 Jul 2007 10:47 am Operator: danat
Sample : ic562-0.5 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

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







(16) ETHANOL (m)

5.32min 0.14PPBV m

response 847

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

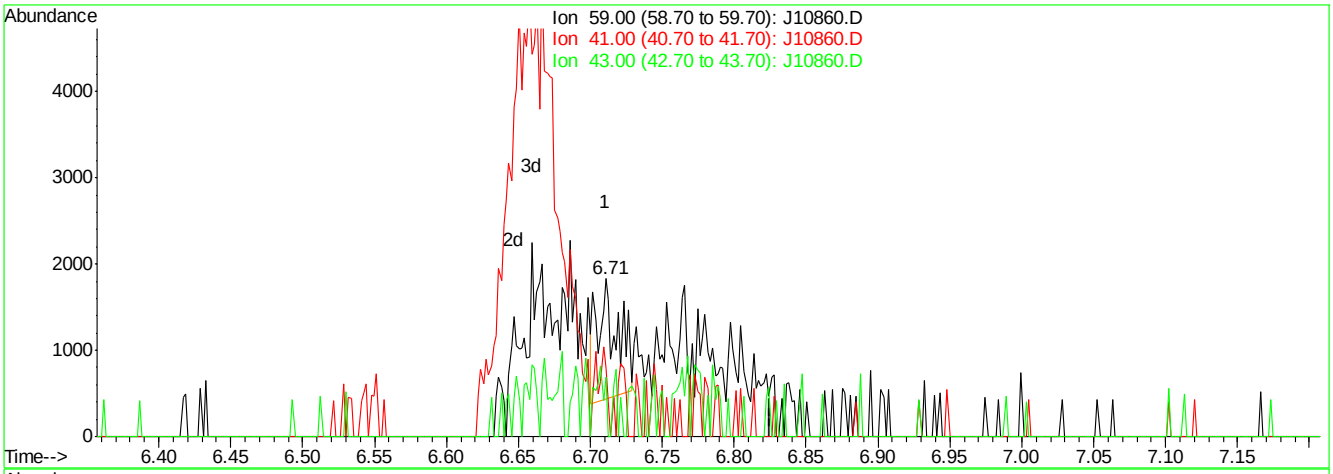
J10860.D J070507T.M Thu Jul 05 11:27:18 2007

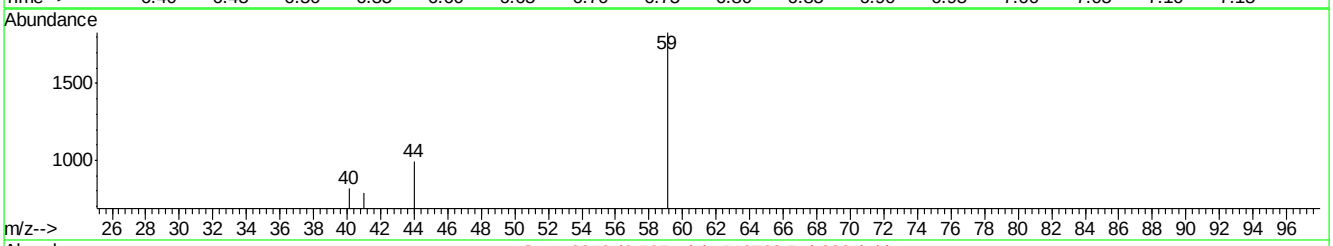
Quantitation Report (Qedit)

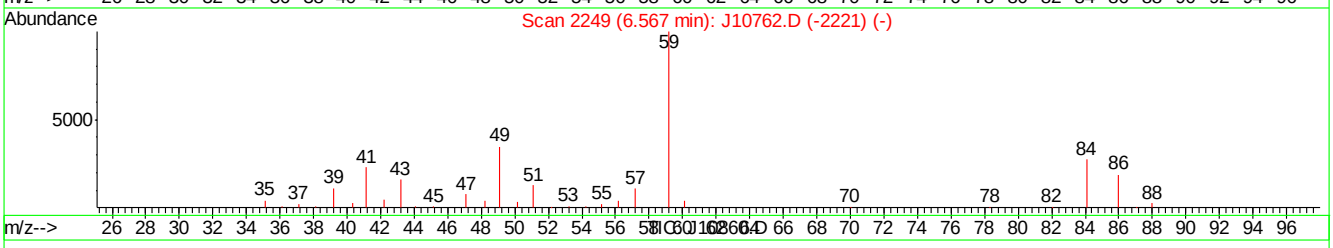
Data File : C:\MSDChem\1\data\J10860.D Vial: 1
Acq On : 5 Jul 2007 10:47 am Operator: danat
Sample : ic562-0.5 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

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







(22) TERTIARY BUTYL ALCOHOL (m)

6.71min 0.03PPBV

response 1343

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

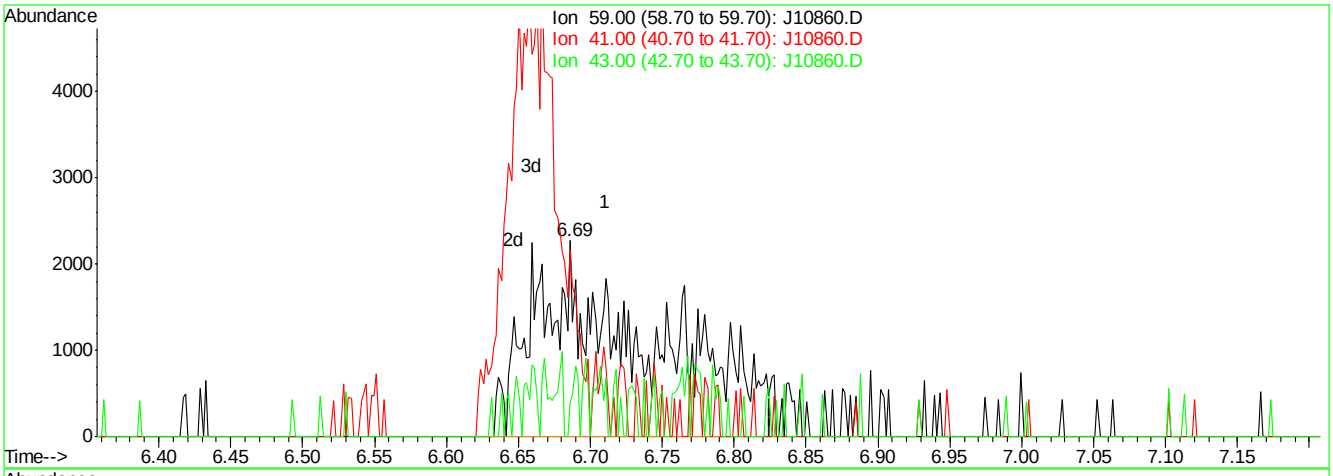
J10860.D J070507T.M Thu Jul 05 11:27:29 2007

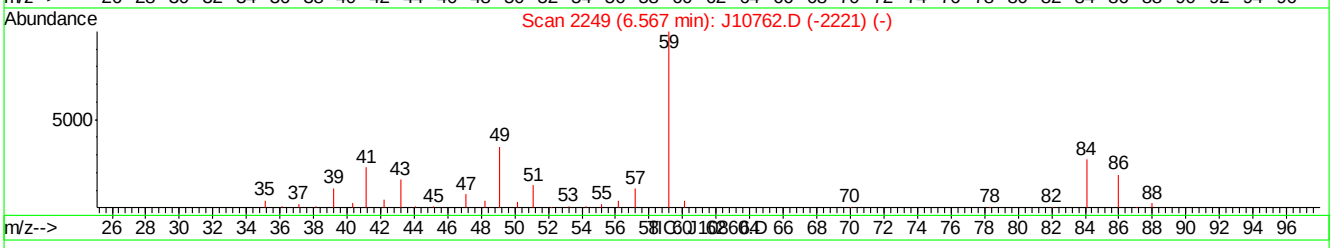
Quantitation Report (Qedit)

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

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

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





(22) TERTIARY BUTYL ALCOHOL (m)

6.69min 0.32PPBV m

response 12447

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

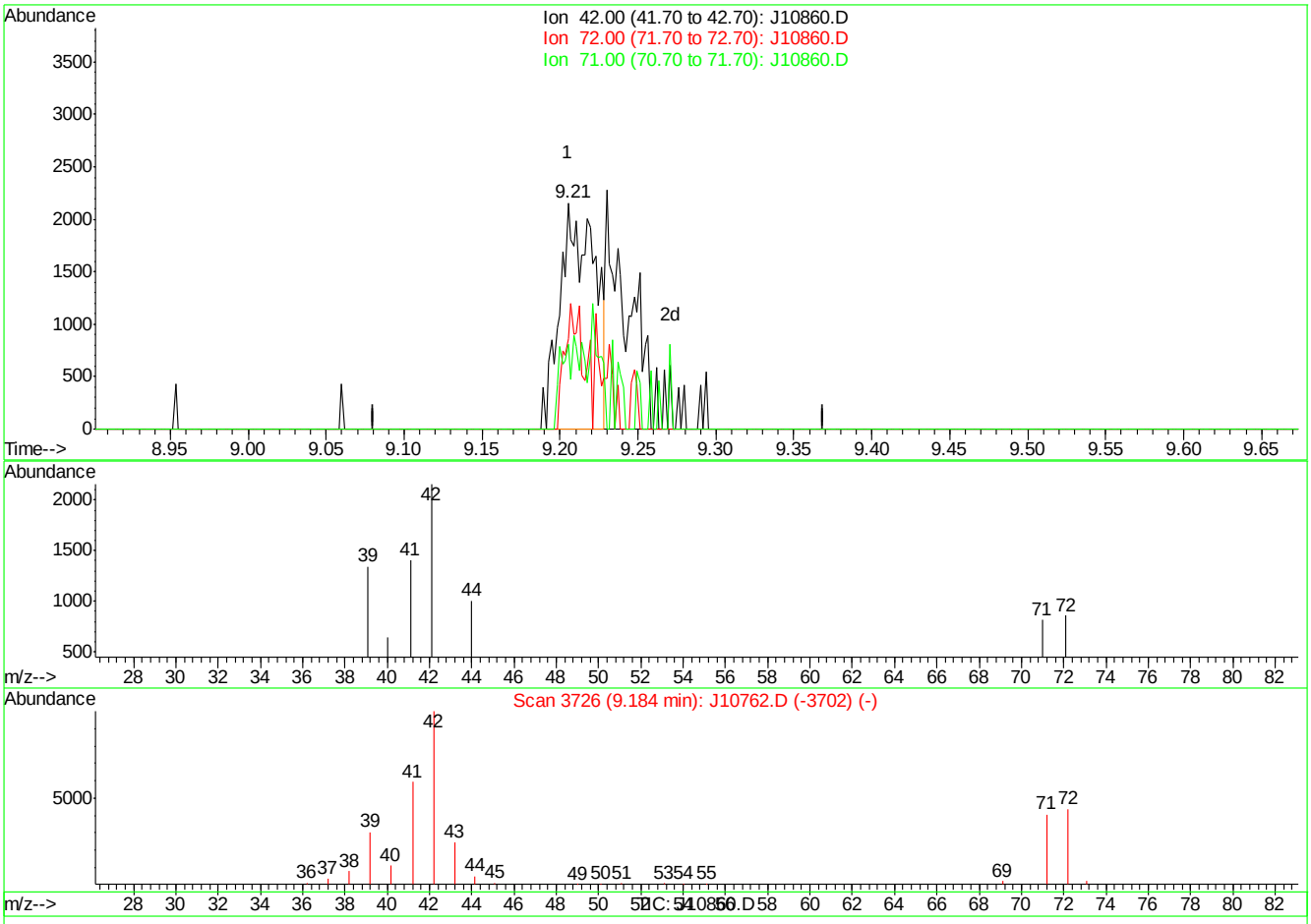
J10860.D J070507T.M Thu Jul 05 11:27:45 2007

Quantitation Report (Qedit)

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

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

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



(24) TETRAHYDROFURAN (m)

9.21min 0.19PPBV

response 3316

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

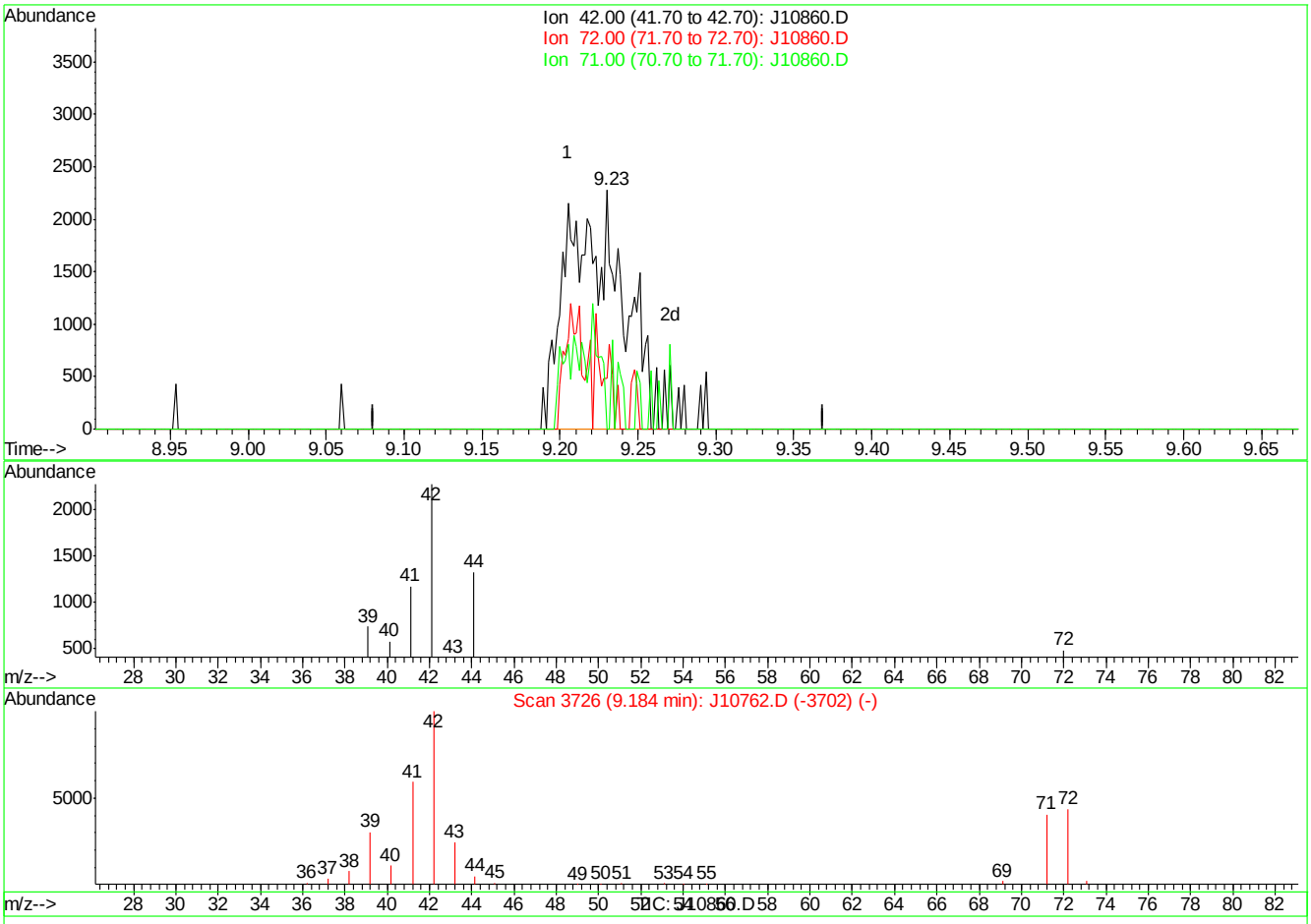
J10860.D J070507T.M Thu Jul 05 11:27:51 2007

Quantitation Report (Qedit)

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

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

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



(24) TETRAHYDROFURAN (m)

9.23min 0.30PPBV m

response 5371

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

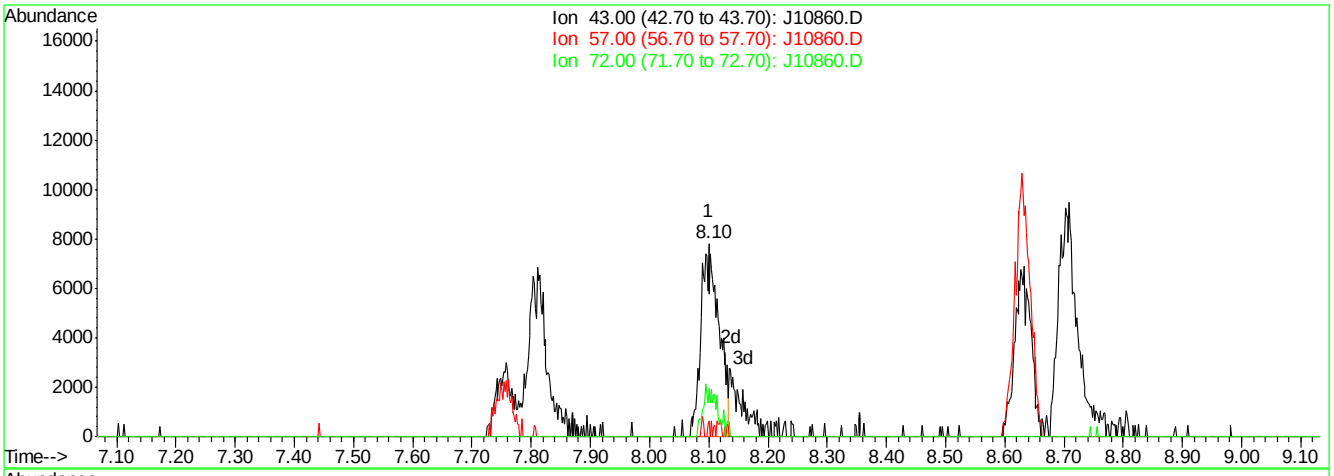
J10860.D J070507T.M Thu Jul 05 11:28:01 2007

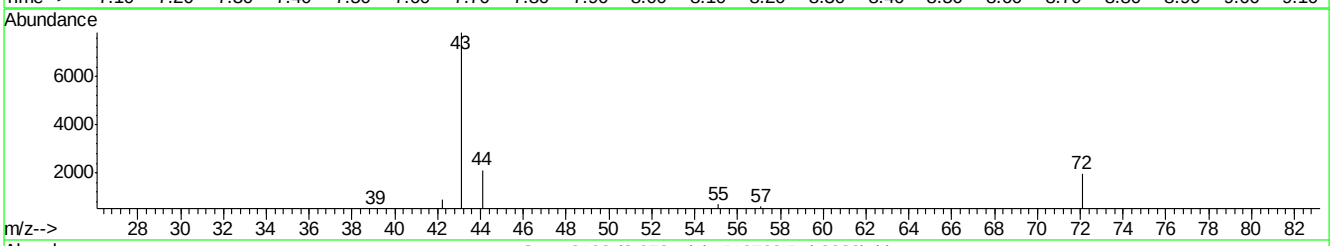
Quantitation Report (Qedit)

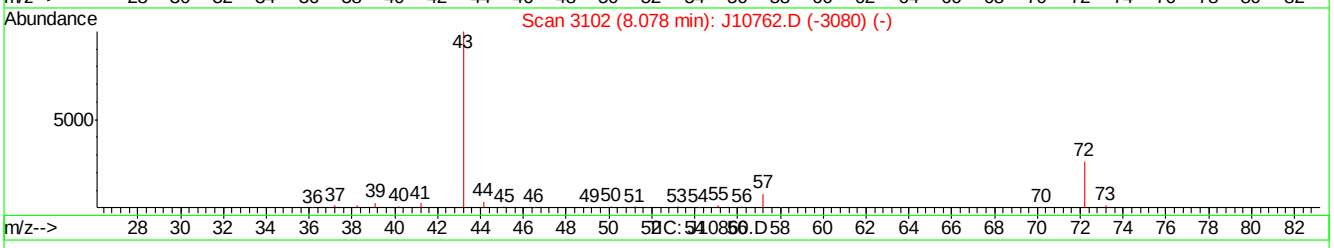
Data File : C:\MSDChem\1\data\J10860.D Vial: 1
Acq On : 5 Jul 2007 10:47 am Operator: danat
Sample : ic562-0.5 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

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







(28) METHYL ETHYL KETONE (m)

8.10min 0.44PPBV

response 16344

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

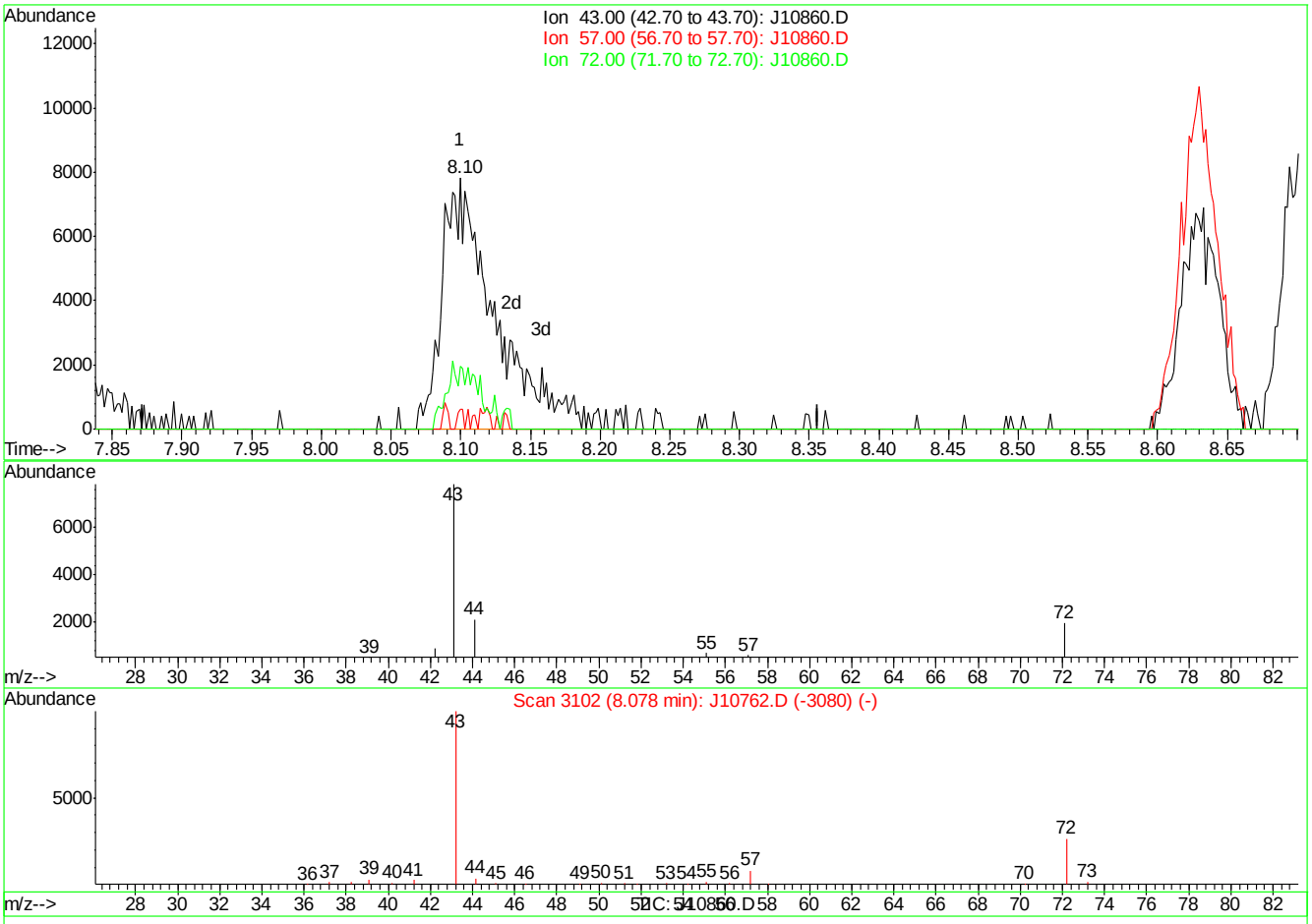
J10860.D J070507T.M Thu Jul 05 11:28:12 2007

Quantitation Report (Qedit)

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

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

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



(28) METHYL ETHYL KETONE (m)

8.10min 0.54PPBV m

response 20284

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

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

Quantitation Report (Qedit)

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

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

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

(42) 1,4-DIOXANE (m)

11.29min 0.05PPBV

response 606

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

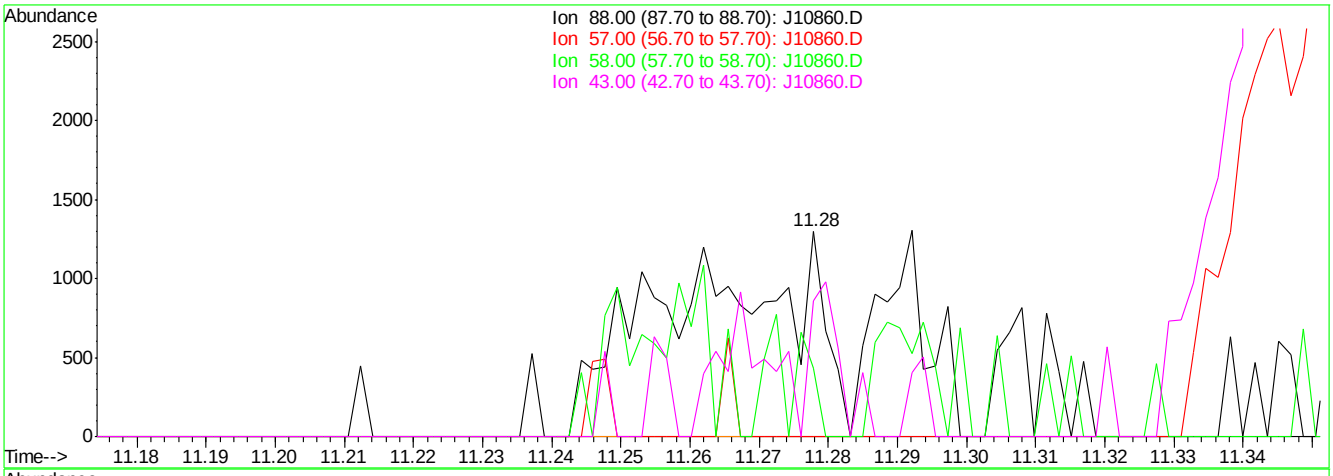
J10860.D J070507T.M Thu Jul 05 11:28:38 2007

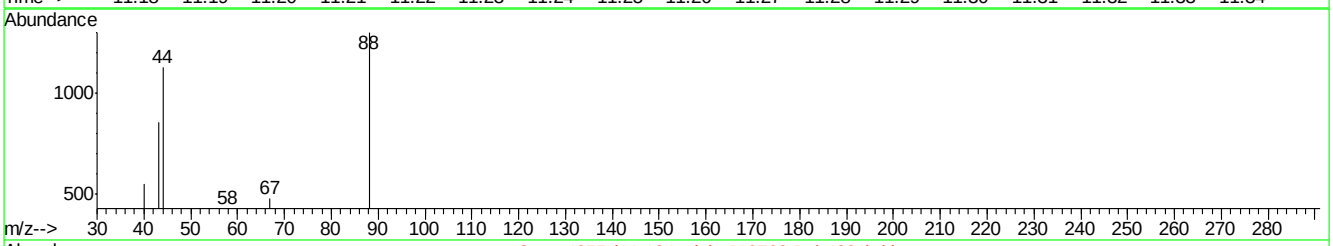
Quantitation Report (Qedit)

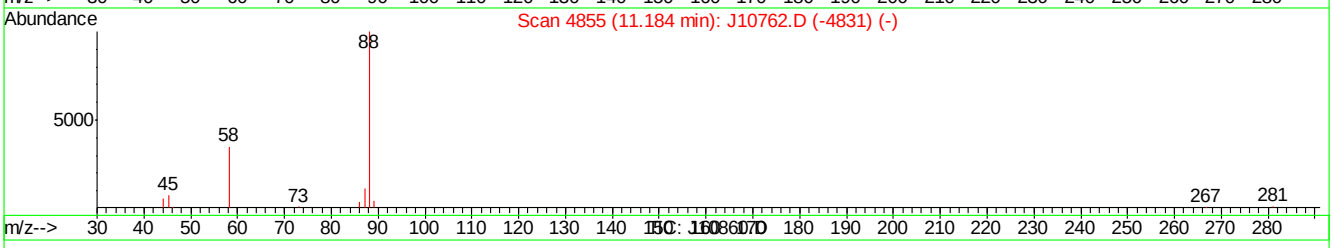
Data File : C:\MSDChem\1\data\J10860.D Vial: 1
Acq On : 5 Jul 2007 10:47 am Operator: danat
Sample : ic562-0.5 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

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







(42) 1,4-DIOXANE (m)

11.28min 0.16PPBV m

response 1834

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

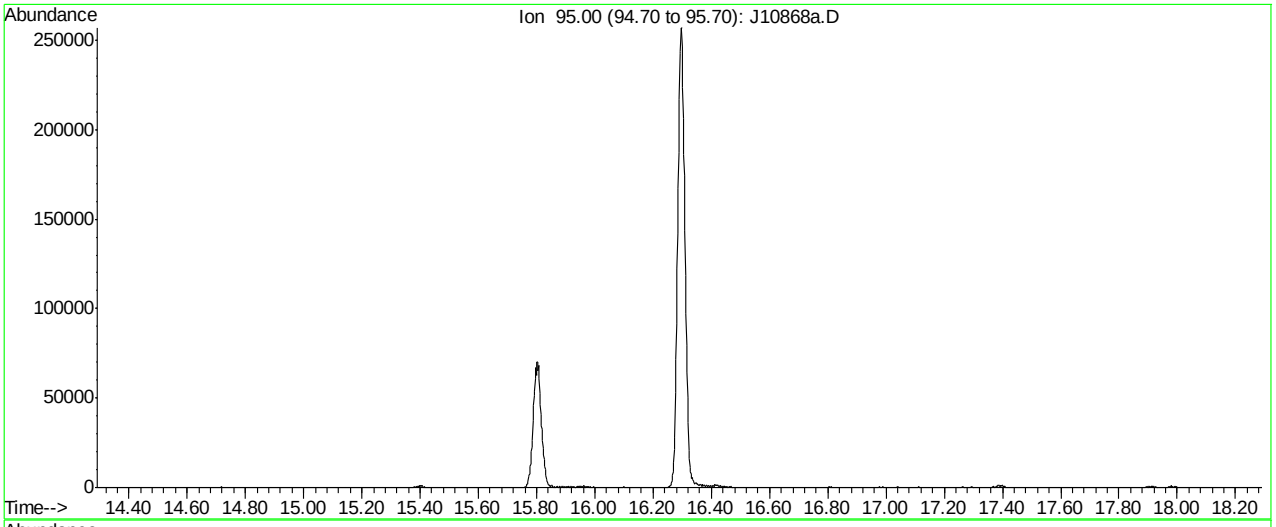
J10860.D J070507T.M Thu Jul 05 11:28:45 2007

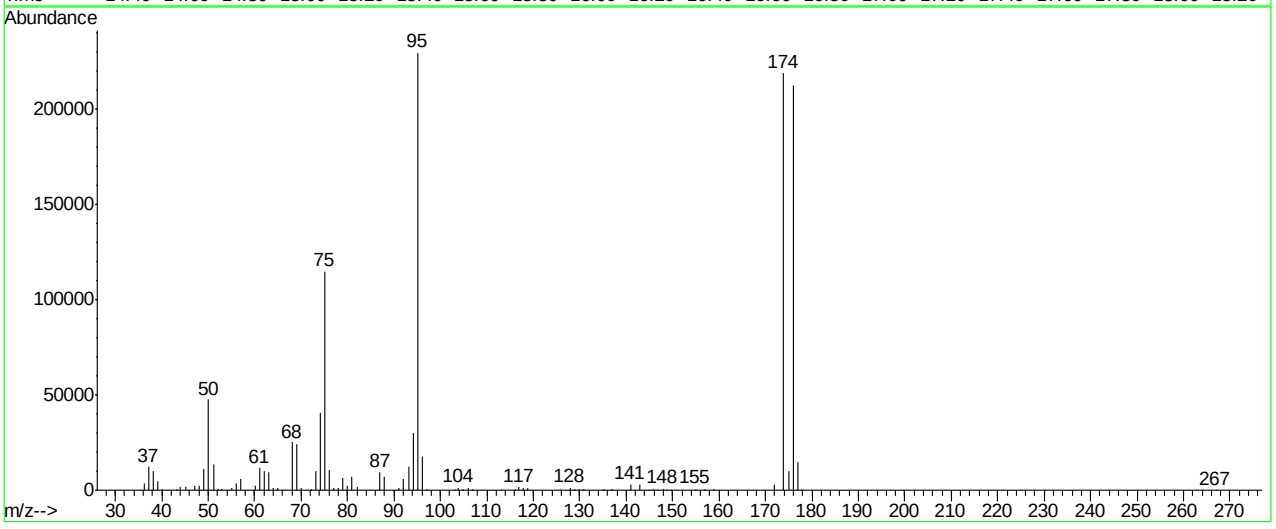
BFB

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

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

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





Spectrum Information: Average of 16.290 to 16.292 min.

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

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

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

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

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

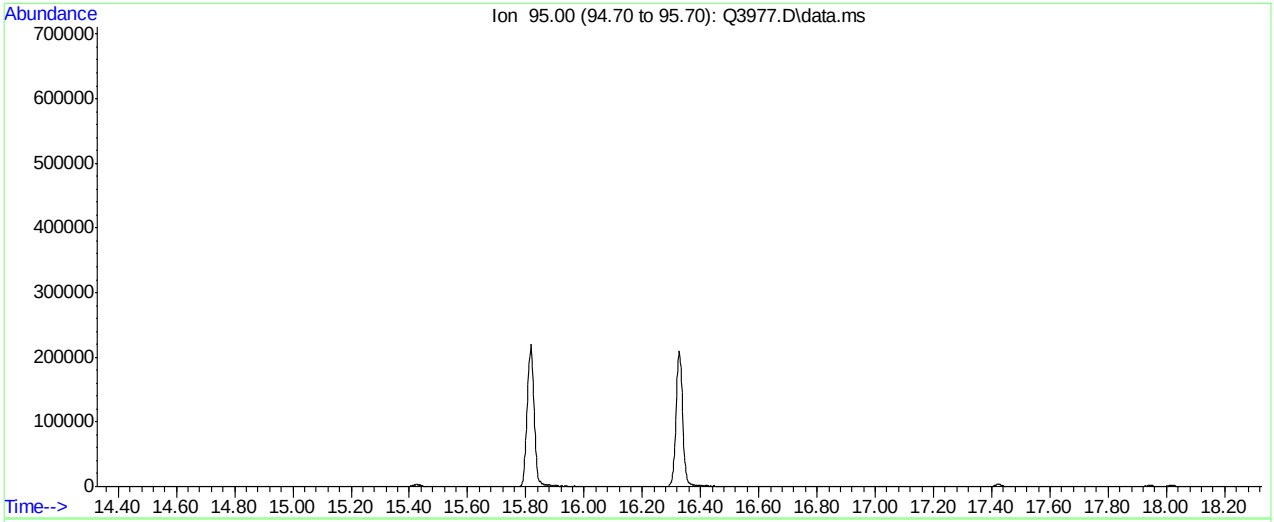
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
94.15	30008	116.05	885	136.85	497	156.95	541
95.10	229440	116.95	1589	140.90	3098	158.85	689
96.10	17680	117.90	1222	142.90	2899	171.90	2894
97.10	647	118.90	1290	144.90	309	173.90	218688
103.00	232	125.90	212	145.80	383	175.00	10052
103.90	1206	127.90	1322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

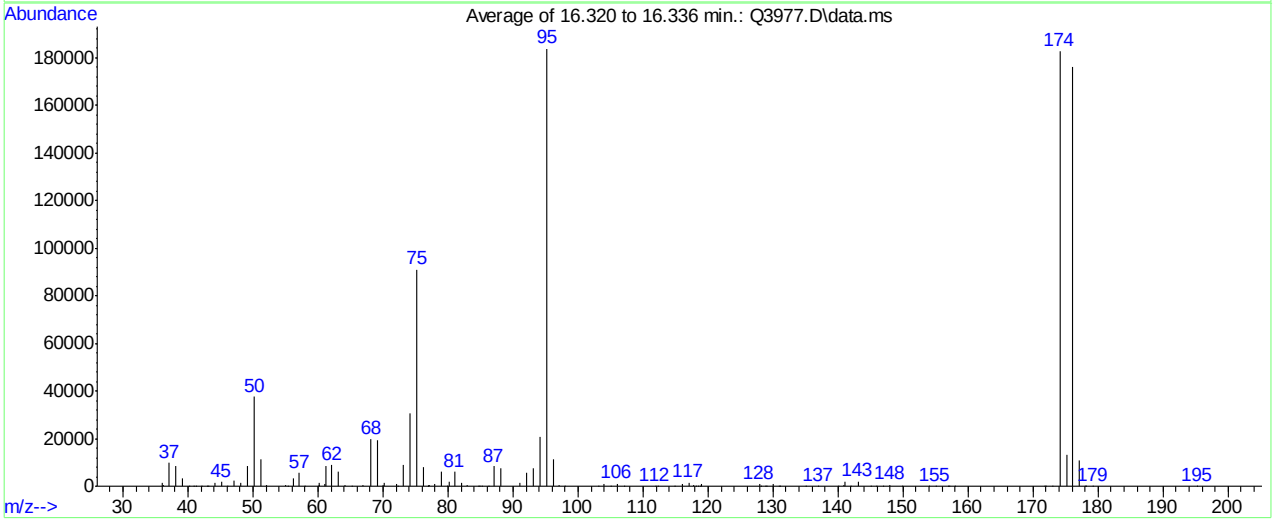
BFB

Data File : C:\msdchem\1\DATA\Q3977.D
Acq On : 16 Jul 2007 4:53 pm
Sample : ic214-40 (M211)
Misc : MS13893, MSQ214,,,,,1
MS Integration Params: LSCINT.P

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

Method : C:\msdchem\1\METHODS\Q071607T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um





Spectrum Information: Average of 16.320 to 16.336 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	20.4	37567	PASS
75	95	30	66	49.5	91035	PASS
95	95	100	100	100.0	183833	PASS
96	95	5	9	6.2	11307	PASS
173	174	0.00	2	0.1	121	PASS
174	95	50	120	99.4	182726	PASS
175	174	4	9	7.1	12997	PASS
176	174	93	101	96.4	176070	PASS
177	176	5	9	6.2	10865	PASS

Q3977.D Q071607T.m Tue Jul 17 13:57:03 2007 RPT1

Average of 16.320 to 16.336 min.: Q3977.D\data.ms
ic214-40 (M211)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	1539	44.10	1650	56.15	3334	66.95	389
36.25	638	45.10	1695	57.15	5515	68.15	19877
37.15	9767	46.00	43	58.00	104	69.15	19215
38.15	8446	47.05	2291	60.10	1633	70.00	317
39.15	3266	48.20	1408	60.25	354	70.15	1214
40.10	174	49.20	8260	61.00	902	72.05	1055
40.95	212	50.20	37567	61.20	8680	72.30	89
41.20	56	51.15	11197	62.15	8847	73.15	9174
42.10	55	52.10	424	63.15	6276	74.15	30679
42.90	74	55.05	619	64.10	547	75.20	91035
43.15	201	55.30	80	65.15	87	76.15	8037

Average of 16.320 to 16.336 min.: Q3977.D\data.ms
ic214-40 (M211)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
76.90	137	84.90	47	97.05	366	117.00	1624
77.00	498	85.20	50	98.00	40	117.85	392
77.15	699	86.15	193	103.05	95	118.05	237
78.00	899	87.05	8285	104.00	904	118.40	45
79.05	6028	88.10	7567	105.05	182	118.80	160
79.80	171	91.10	1322	106.00	1104	119.00	912
80.10	1742	92.15	5695	107.05	236	127.95	748
81.05	5959	93.15	7504	111.90	76	128.15	154
82.00	1626	94.15	20668	112.30	51	128.80	43
83.00	433	95.20	183833	114.90	171	129.00	58
84.70	43	96.15	11307	116.00	799	129.95	739

Average of 16.320 to 16.336 min.: Q3977.D\data.ms
ic214-40 (M211)

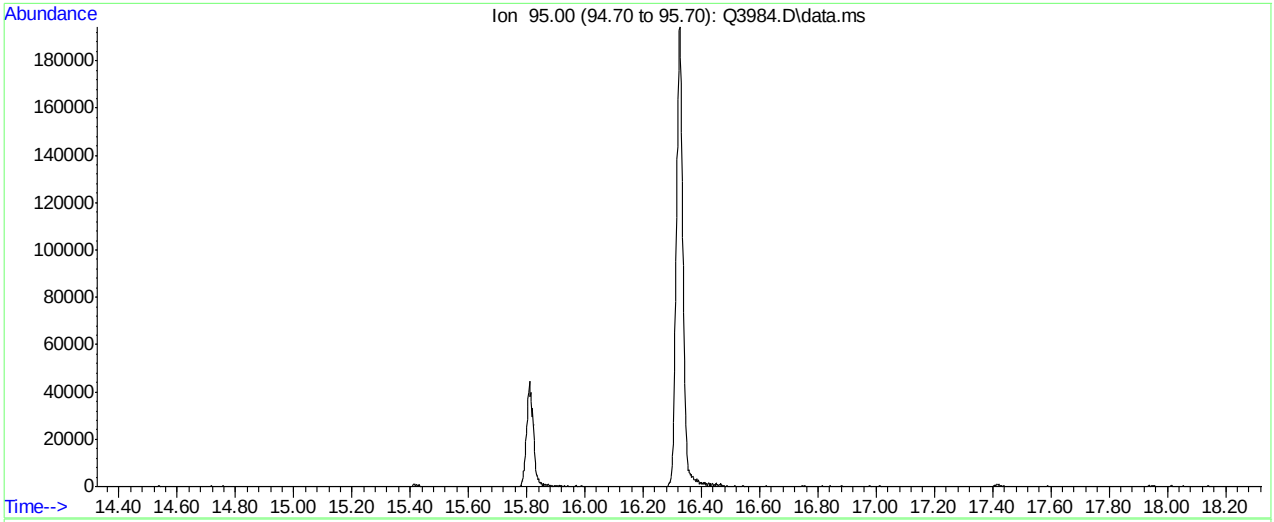
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
130.80	80	146.90	201	174.10	182726		
131.05	107	148.00	488	175.15	12997		
135.00	96	149.90	43	176.10	176070		
137.00	139	153.95	121	177.05	10865		
140.00	44	155.00	253	177.90	161		
140.85	326	156.85	91	178.20	40		
141.10	1680	157.15	238	179.20	44		
141.95	141	158.00	56	195.20	53		
143.05	1907	171.80	40				
145.00	41	172.00	68				
145.90	49	173.00	121				

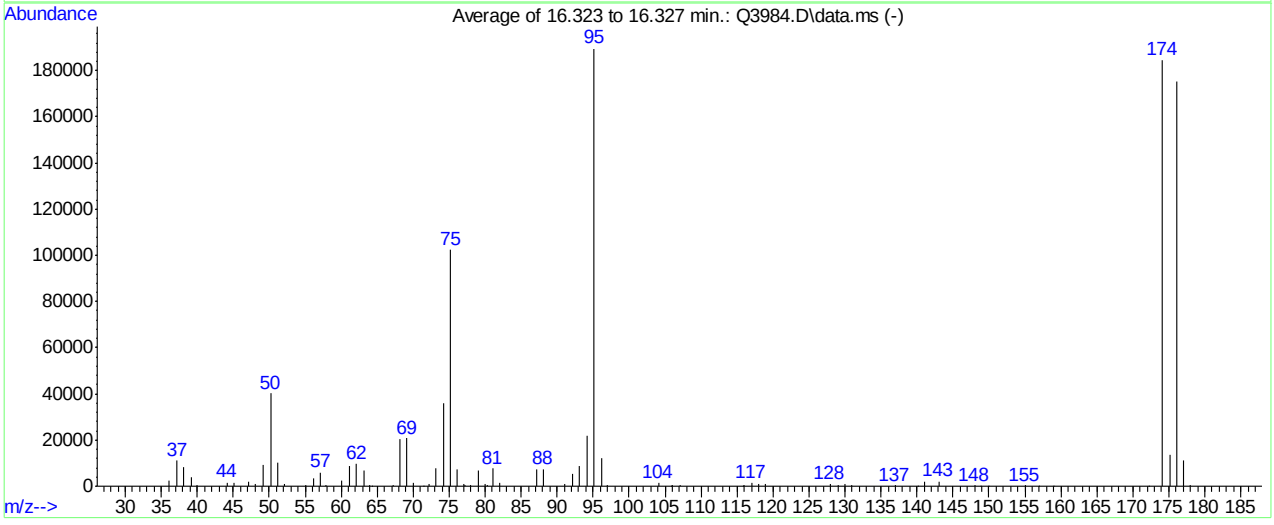
BFB

Data File : C:\msdchem\1\DATA\Q3984.D
Acq On : 17 Jul 2007 8:45 am
Sample : icv214-10 (M209)
Misc : MS13893, MSQ214,,,,,1
MS Integration Params: LSCINT.P

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

Method : C:\msdchem\1\METHODS\Q071607T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um





AutoFind: Scans 7741, 7742, 7743; Background Corrected with Scan 7716

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	21.2	40213	PASS
75	95	30	66	54.0	102322	PASS
95	95	100	100	100.0	189568	PASS
96	95	5	9	6.5	12344	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	97.3	184490	PASS
175	174	4	9	7.5	13823	PASS
176	174	93	101	95.0	175296	PASS
177	176	5	9	6.5	11417	PASS

Q3984.D Q071607T.m Tue Jul 17 14:02:49 2007 RPT1

Average of 16.323 to 16.327 min.: Q3984.D\data.ms
icv214-10 (M209)
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.10	2457	51.10	10417	64.20	143	77.00	859
37.20	11108	52.15	913	67.15	495	77.20	540
38.15	8382	55.00	705	68.15	20629	77.95	596
39.15	3712	56.15	3439	69.15	20818	79.05	6665
40.00	483	57.15	5953	70.05	1666	80.00	974
44.15	1587	57.90	392	71.50	146	80.30	610
45.15	1573	60.05	2223	72.15	1022	81.05	7695
47.05	1862	61.10	8762	73.15	7990	82.00	1365
48.00	1178	62.15	9532	74.20	35784	87.10	7363
49.15	9366	63.15	6741	75.20	102322	88.05	7408
50.20	40213	64.00	563	76.15	7416	91.00	1094

Average of 16.323 to 16.327 min.: Q3984.D\data.ms
icv214-10 (M209)
Modified:subtracted

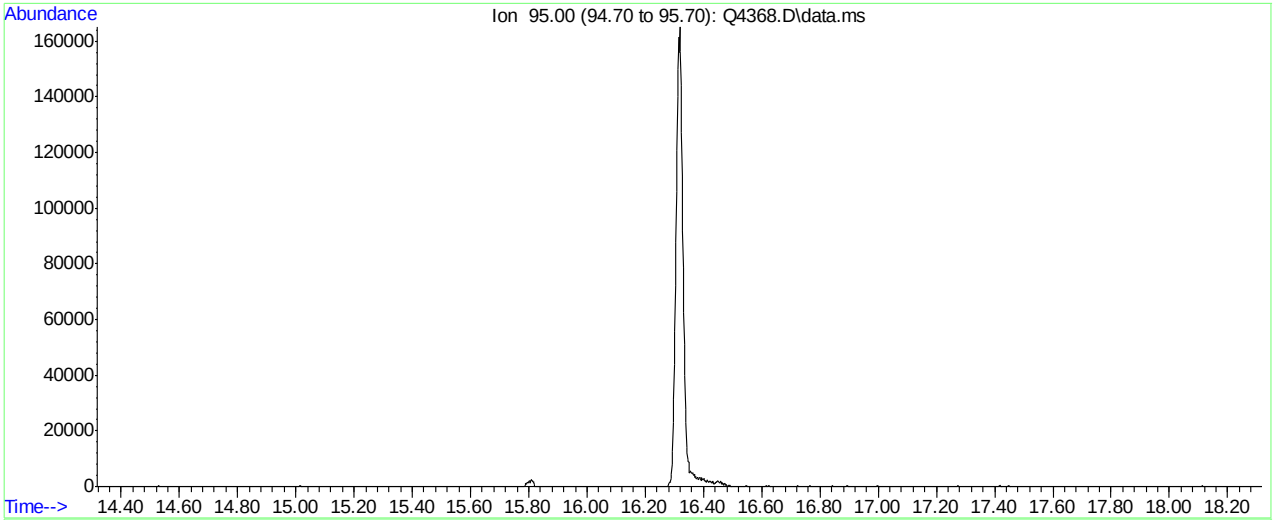
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
92.15	5150	115.95	488	143.05	2110	177.10	11417
93.15	8533	117.00	1303	148.05	364	177.95	380
94.15	21933	118.00	749	148.90	227		
95.15	189568	119.00	1084	150.00	157		
96.15	12344	127.95	866	155.00	482		
97.05	403	129.00	646	156.90	136		
104.10	1316	129.95	774	158.90	208		
105.80	210	131.00	299	172.20	214		
106.05	667	136.95	476	174.10	184490		
107.05	383	140.10	134	175.10	13823		
115.80	226	141.05	1809	176.10	175296		

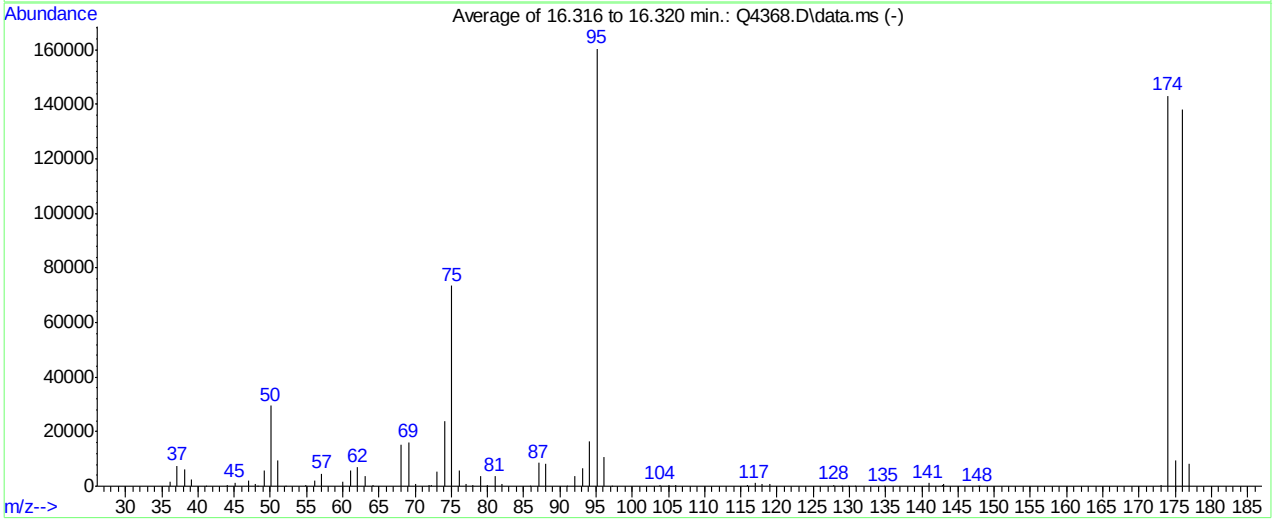
BFB

Data File : C:\msdchem\1\DATA\Q4368.D
Acq On : 23 Aug 2007 10:43 am
Sample : ic231-0.5 (M050)
Misc : MS14080, MSQ231,,,,,1
MS Integration Params: LSCINT.P

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

Method : C:\msdchem\1\METHODS\Q082307T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um





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

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	18.3	29442	PASS
75	95	30	66	45.8	73490	PASS
95	95	100	100	100.0	160533	PASS
96	95	5	9	6.6	10583	PASS
173	174	0.00	2	0.2	310	PASS
174	95	50	120	89.2	143274	PASS
175	174	4	9	6.7	9621	PASS
176	174	93	101	96.5	138282	PASS
177	176	5	9	5.9	8125	PASS

Q4368.D Q082307T.m Fri Aug 24 15:46:16 2007 RPT1

Average of 16.316 to 16.320 min.: Q4368.D\data.ms
ic231-0.5 (M050)
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.10	1647	50.10	29442	68.10	15273	79.00	3691
37.10	7424	51.10	9396	69.10	16235	80.00	574
38.10	6107	52.10	135	70.05	1020	81.05	3879
39.05	2573	54.90	250	71.90	429	81.95	824
41.10	164	56.10	2126	72.20	254	85.80	217
44.00	308	57.10	4620	73.05	5550	87.05	8589
45.10	1402	60.00	1489	74.10	23661	88.05	8132
47.05	2042	61.05	5678	75.10	73490	91.00	214
48.00	729	62.10	7086	76.10	5931	92.05	3755
48.20	223	63.10	3879	77.00	696	93.10	6398
49.10	5902	64.15	504	77.95	610	94.10	16263

Average of 16.316 to 16.320 min.: Q4368.D\data.ms
ic231-0.5 (M050)
Modified:subtracted

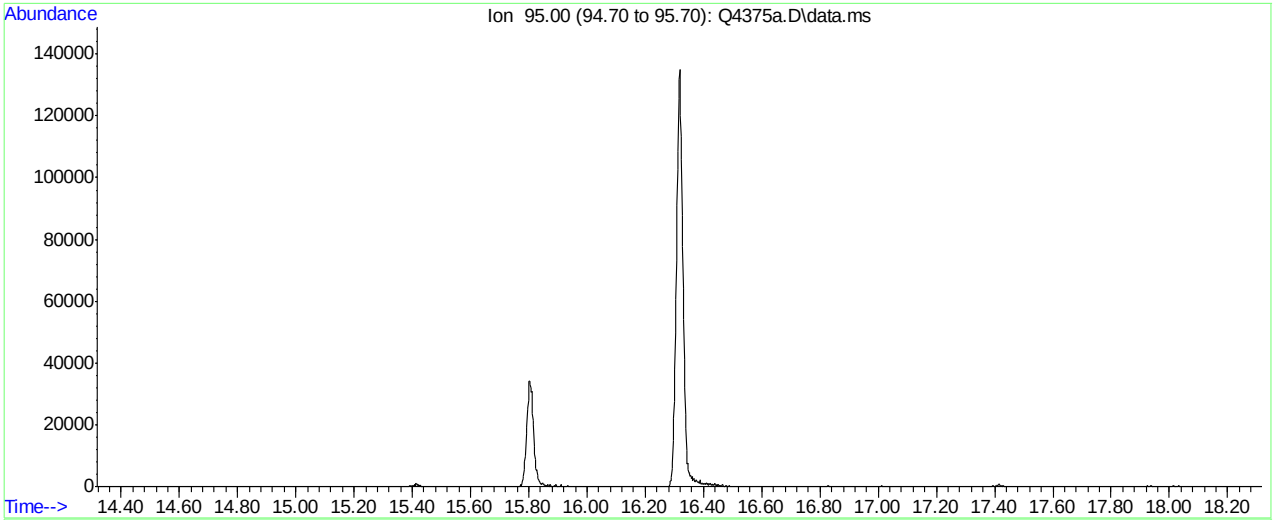
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
95.10	160533	128.90	165	175.00	9621		
96.10	10583	129.90	193	176.00	138282		
97.20	155	130.80	152	177.00	8125		
103.90	540	134.80	139				
105.00	312	141.00	1123				
106.00	499	142.90	444				
115.85	419	143.05	823				
116.95	1068	147.80	186				
117.95	749	148.00	137				
118.95	695	173.00	310				
127.90	428	174.00	143274				

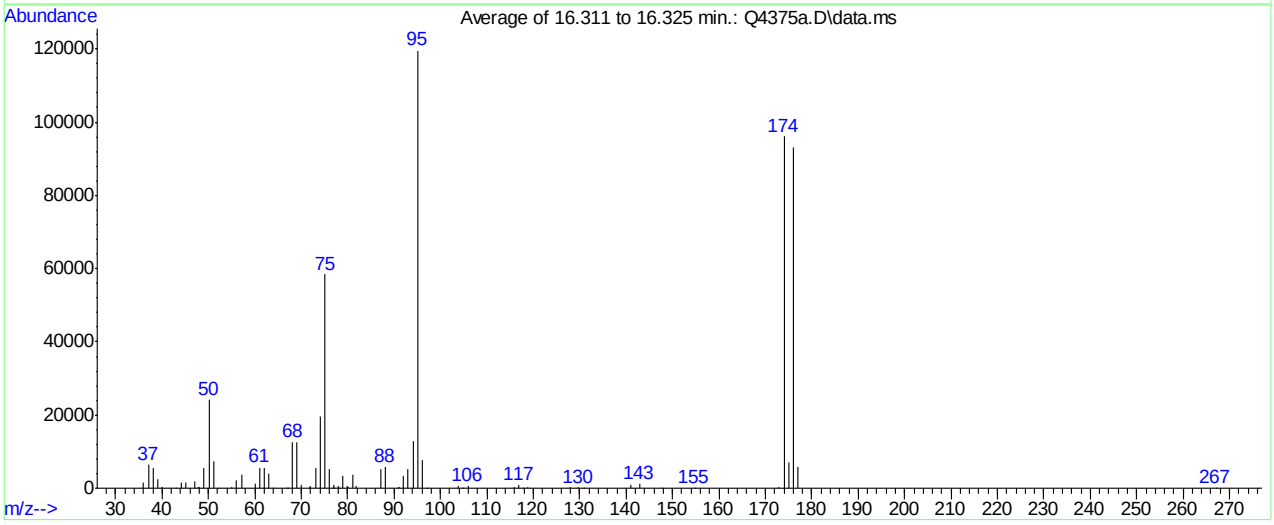
BFB

Data File : C:\msdchem\1\DATA\Q4375a.D
Acq On : 23 Aug 2007 3:45 pm
Sample : cc231-10 (M055)
Misc : MS14080, MSQ231,,,,,1
MS Integration Params: LSCINT.P

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

Method : C:\msdchem\1\METHODS\Q082307T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um





Spectrum Information: Average of 16.311 to 16.325 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	20.1	24074	PASS
75	95	30	66	48.9	58474	PASS
95	95	100	100	100.0	119604	PASS
96	95	5	9	6.4	7684	PASS
173	174	0.00	2	0.3	285	PASS
174	95	50	120	80.3	96048	PASS
175	174	4	9	7.2	6919	PASS
176	174	93	101	96.8	93018	PASS
177	176	5	9	6.2	5751	PASS

Q4375a.D Q082307T.m Fri Aug 24 15:47:38 2007 RPT1

Average of 16.311 to 16.325 min.: Q4375a.D\data.ms
cc231-10 (M055)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	1518	48.10	429	63.10	3954	75.10	58474
37.10	6375	49.10	5462	63.95	117	76.05	5137
38.10	5463	50.10	24074	66.90	77	76.80	67
39.15	2396	51.10	7458	67.15	109	76.90	58
39.90	85	52.05	143	68.10	12699	77.00	859
40.05	438	55.05	335	69.10	12677	77.95	621
42.95	97	56.05	2036	70.05	964	78.20	143
44.05	1566	57.10	3566	71.80	58	78.95	3305
45.10	1425	60.05	1336	72.05	700	79.90	483
47.05	1862	61.05	5594	73.10	5668	80.05	380
47.85	253	62.10	5413	74.10	19474	81.00	3554

Average of 16.311 to 16.325 min.: Q4375a.D\data.ms
cc231-10 (M055)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
81.95	732	103.90	495	142.90	1089		
87.05	5297	104.80	49	147.75	111		
88.00	5716	105.90	576	154.70	44		
90.90	188	116.00	219	172.90	285		
91.05	216	116.95	853	174.00	96048		
92.10	3299	117.85	98	175.00	6919		
93.05	5120	118.85	233	176.00	93018		
94.10	12864	127.95	171	177.00	5751		
95.10	119604	129.75	301	267.00	68		
96.10	7684	130.85	102				
97.05	100	140.95	995				

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

Quantitation Report (QT Reviewed)

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

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

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

Quantitation Report (QT Reviewed)

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

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

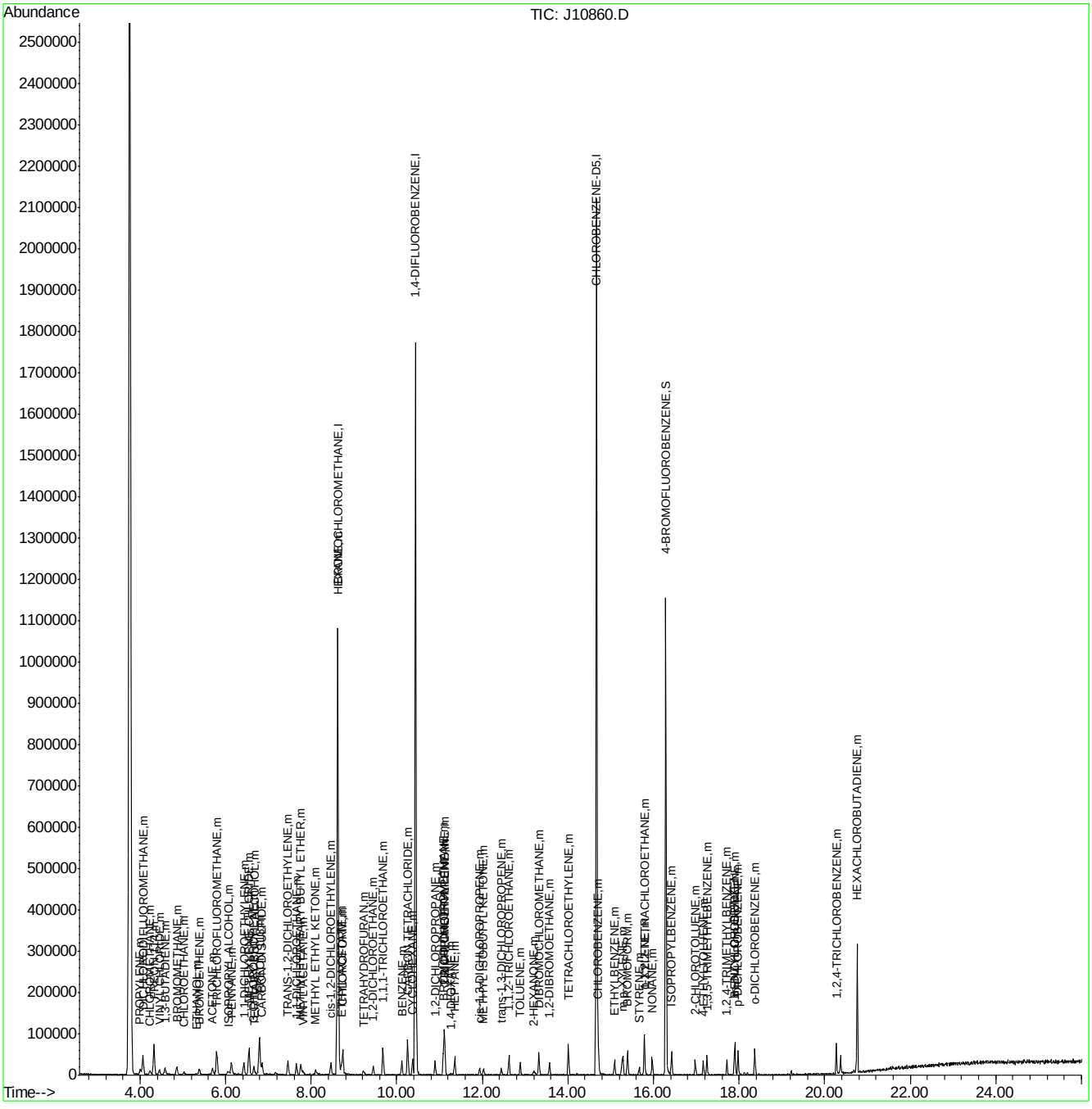
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.02	43	12485	0.34	PPBV	80
45) cis-1,3-DICHLOROPROPENE	11.94	75	9289	0.33	PPBV	92
46) TOLUENE	12.88	92	12463	0.31	PPBV	96
47) trans-1,3-DICHLOROPROPENE	12.44	75	8100	0.31	PPBV	91
48) 1,1,2-TRICHLOROETHANE	12.62	83	10909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

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

Quantitation Report (QT Reviewed)

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

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

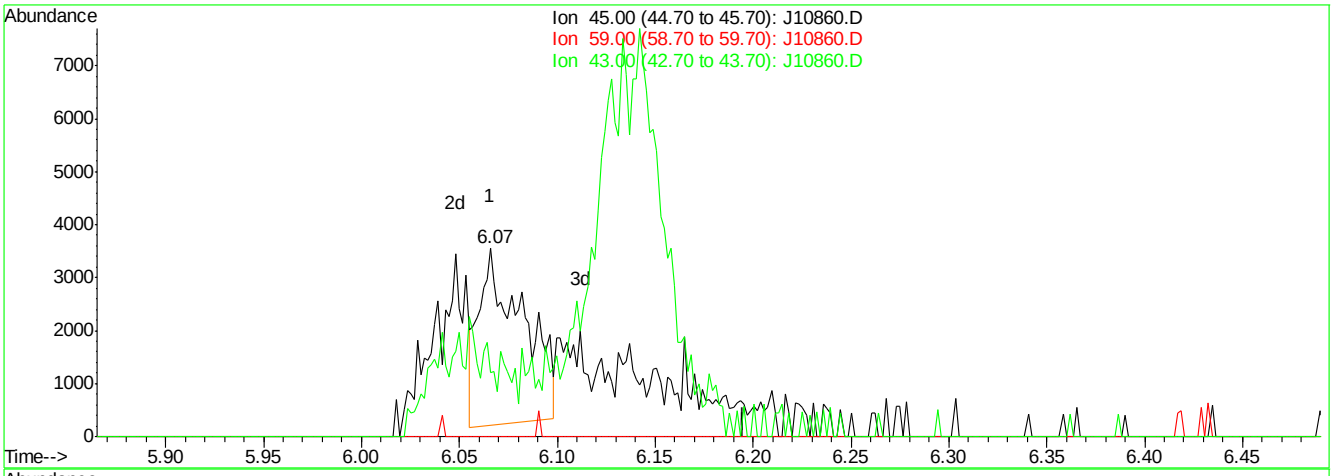


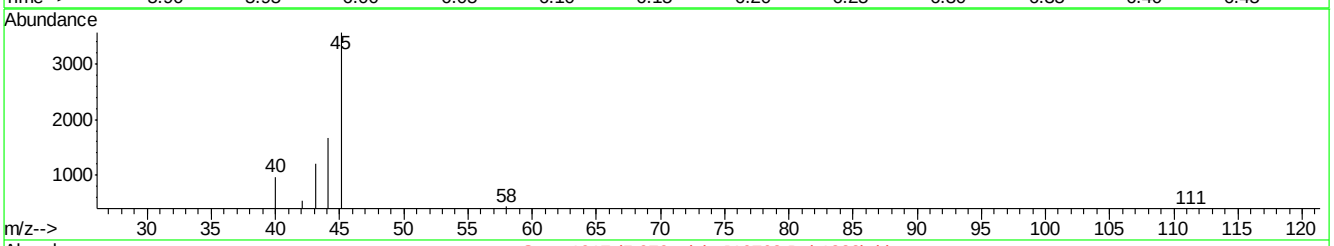
Quantitation Report (Qedit)

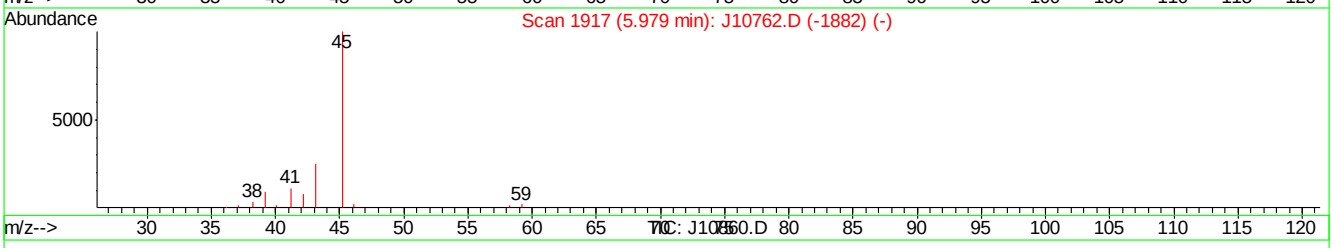
Data File : C:\MSDChem\1\data\J10860.D Vial: 1
Acq On : 5 Jul 2007 10:47 am Operator: danat
Sample : ic562-0.5 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

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







(11) ISOPROPYL ALCOHOL (m)

6.07min 0.15PPBV

response 5209

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

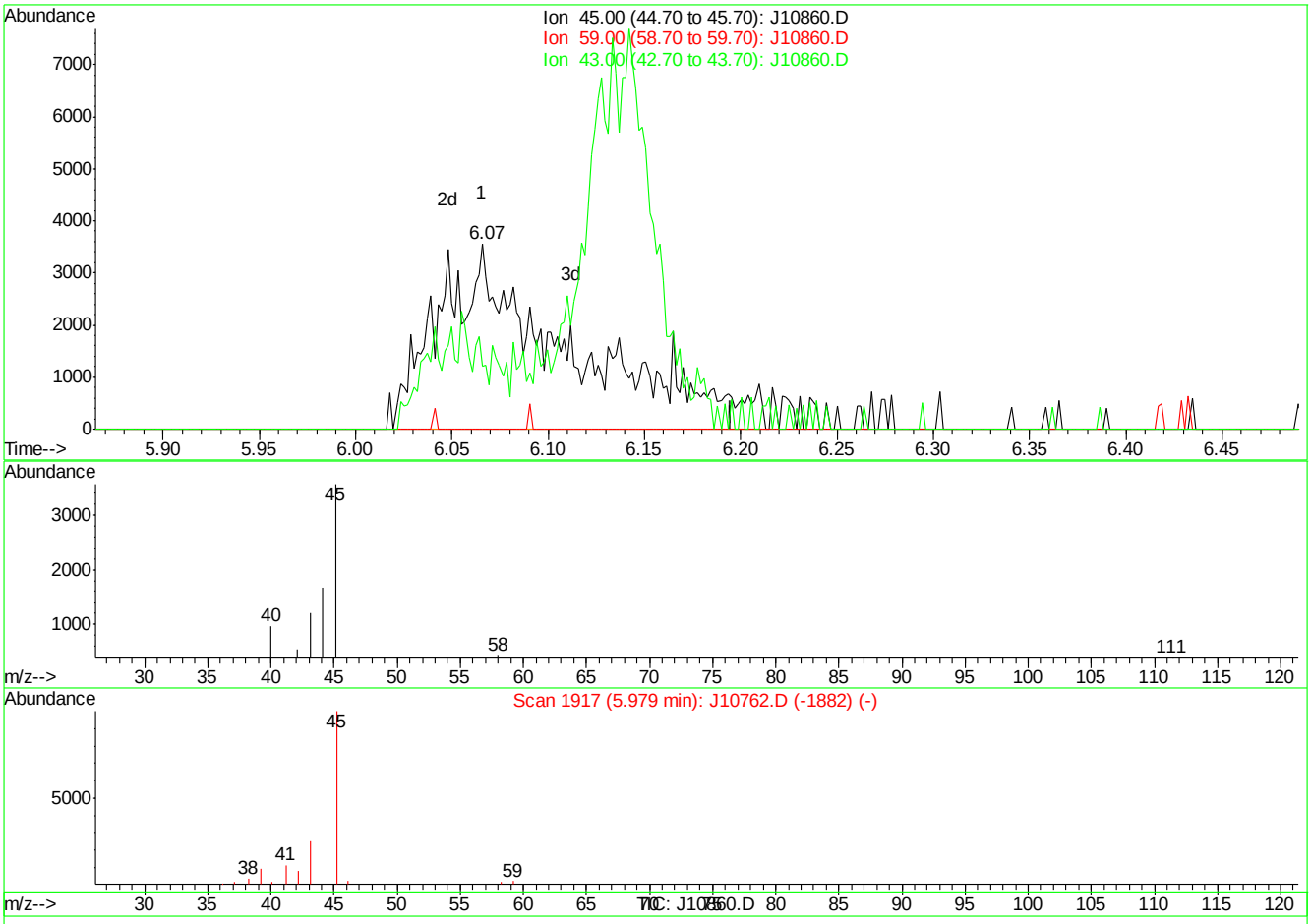
J10860.D J070507T.M Thu Jul 05 11:26:38 2007

Quantitation Report (Qedit)

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

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

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



(11) ISOPROPYL ALCOHOL (m)

6.07min 0.47PPBV m

response 16583

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

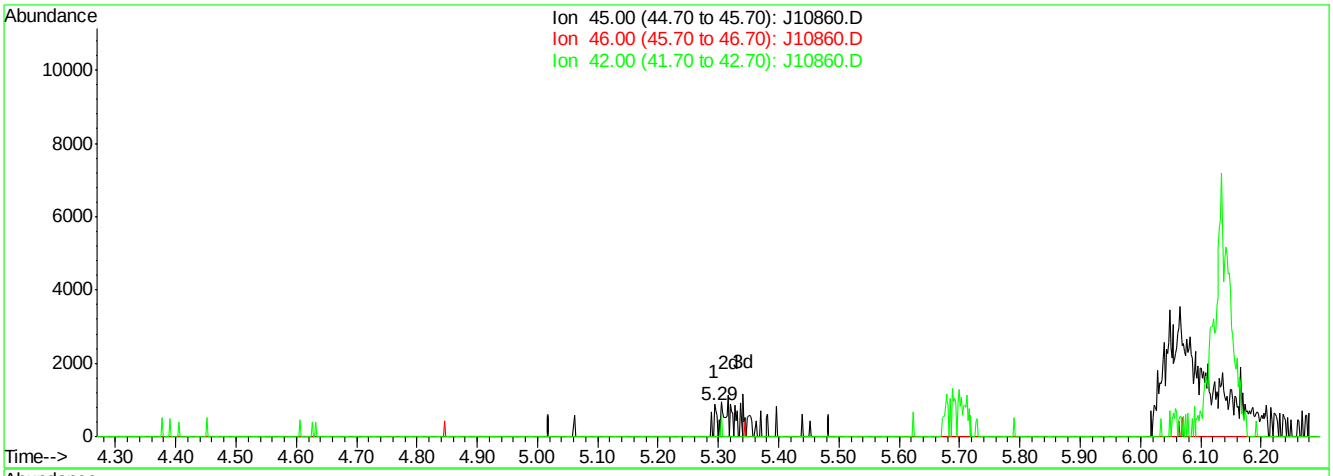
J10860.D J070507T.M Thu Jul 05 11:26:48 2007

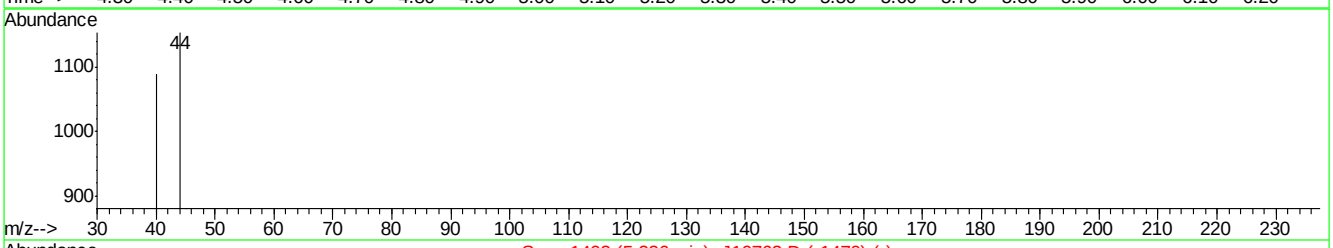
Quantitation Report (Qedit)

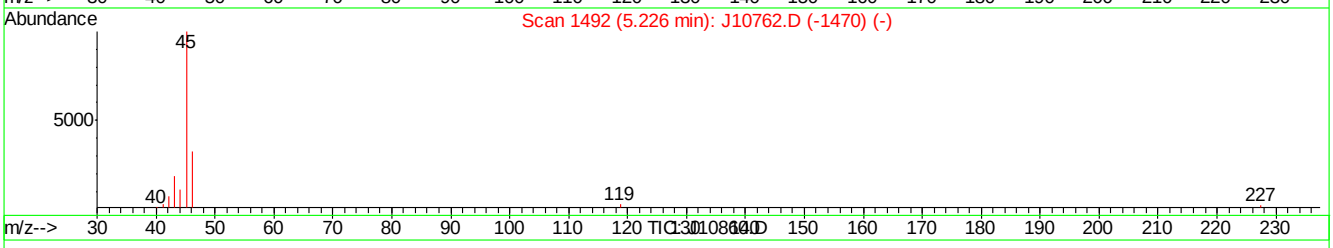
Data File : C:\MSDChem\1\data\J10860.D Vial: 1
Acq On : 5 Jul 2007 10:47 am Operator: danat
Sample : ic562-0.5 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

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







(16) ETHANOL (m)

5.29min 0.05PPBV

response 306

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

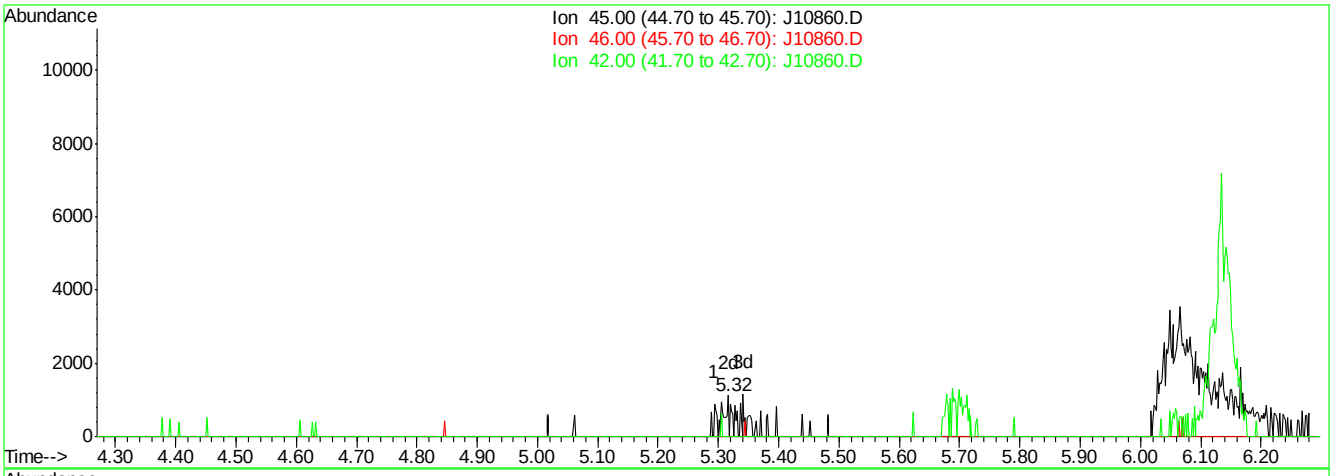
J10860.D J070507T.M Thu Jul 05 11:26:56 2007

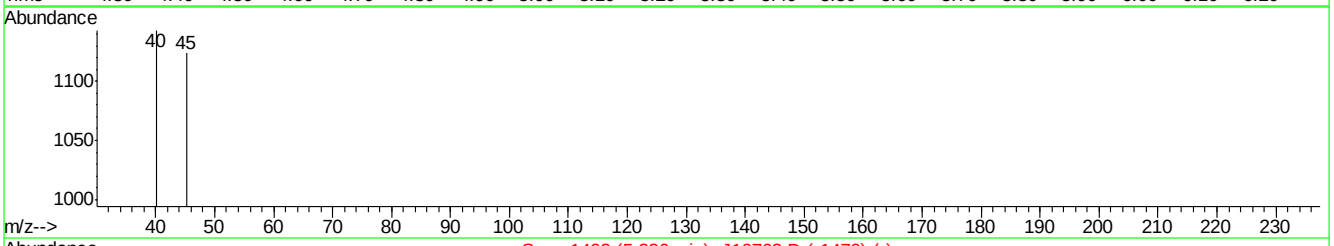
Quantitation Report (Qedit)

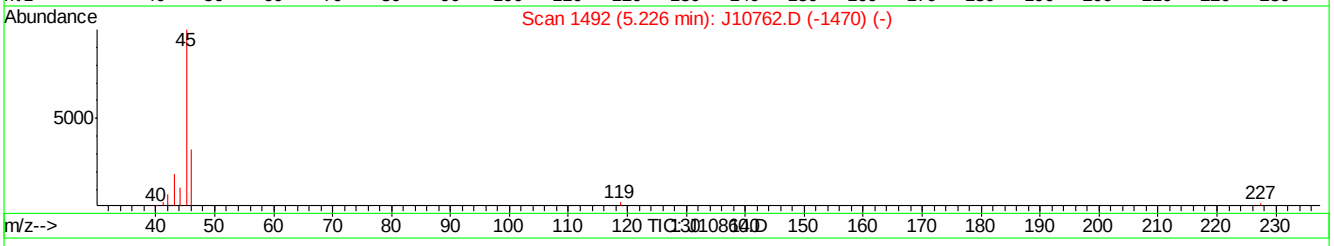
Data File : C:\MSDChem\1\data\J10860.D Vial: 1
Acq On : 5 Jul 2007 10:47 am Operator: danat
Sample : ic562-0.5 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

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







(16) ETHANOL (m)

5.32min 0.14PPBV m

response 847

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

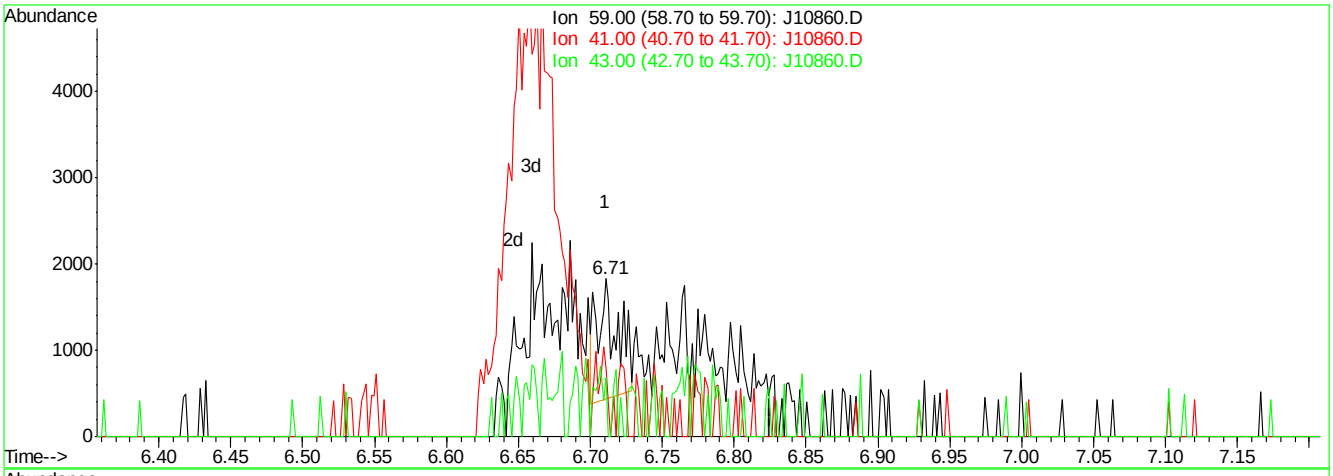
J10860.D J070507T.M Thu Jul 05 11:27:18 2007

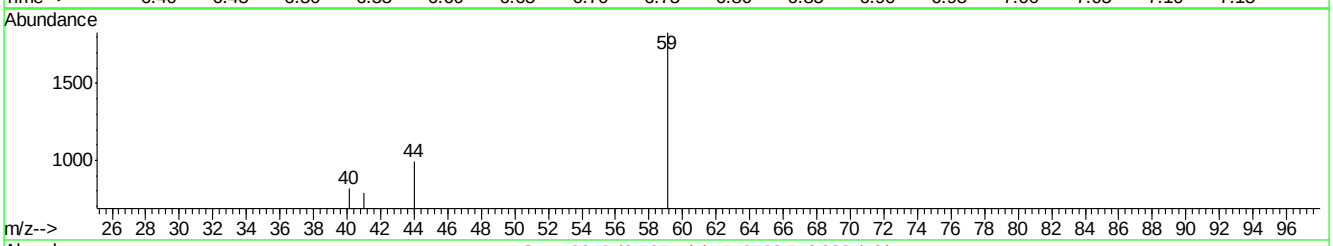
Quantitation Report (Qedit)

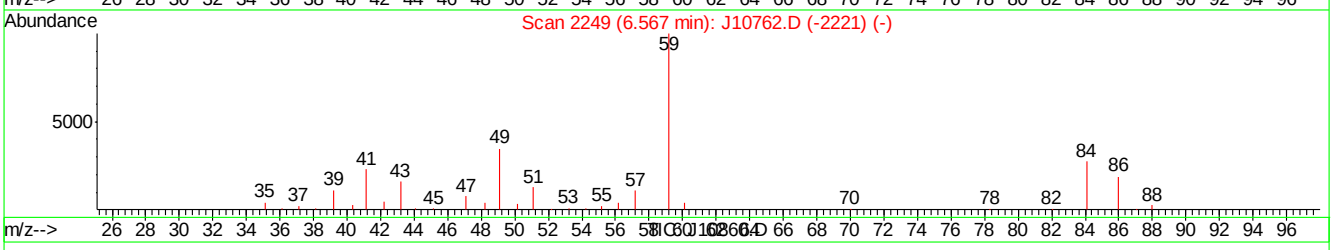
Data File : C:\MSDChem\1\data\J10860.D Vial: 1
Acq On : 5 Jul 2007 10:47 am Operator: danat
Sample : ic562-0.5 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

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







(22) TERTIARY BUTYL ALCOHOL (m)

6.71min 0.03PPBV

response 1343

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

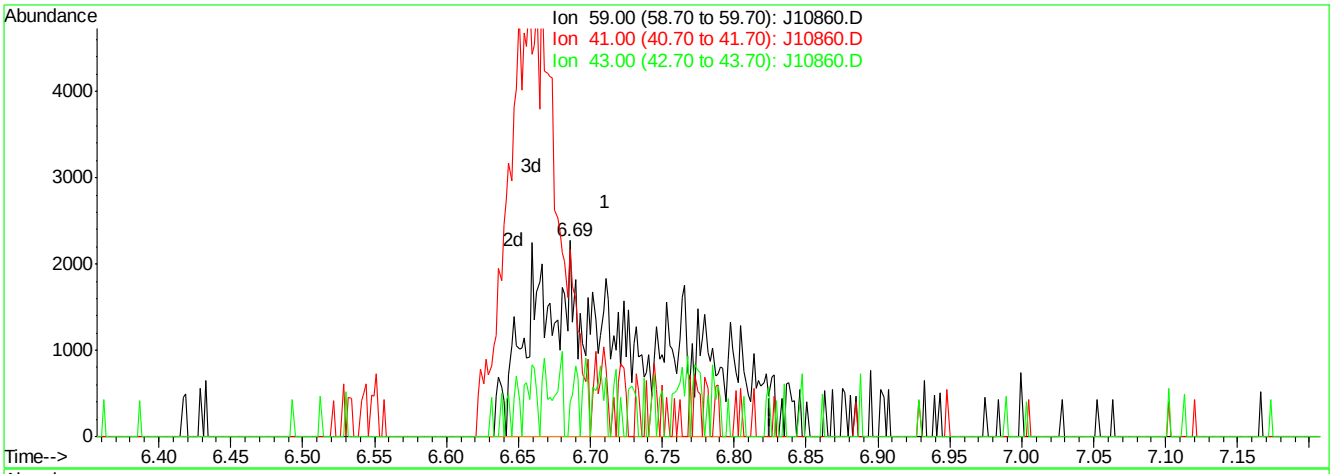
J10860.D J070507T.M Thu Jul 05 11:27:29 2007

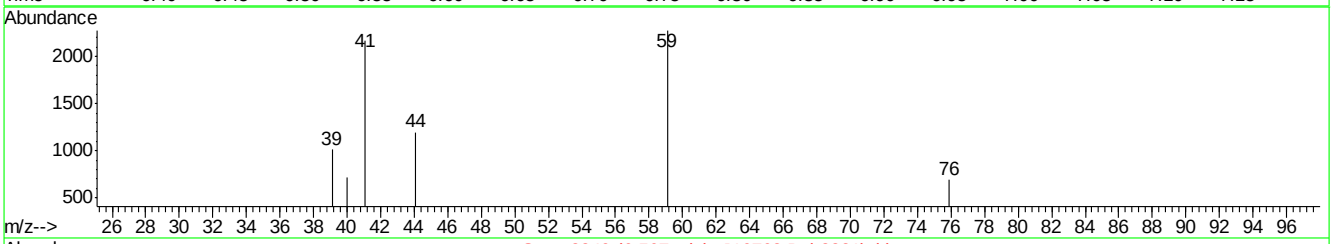
Quantitation Report (Qedit)

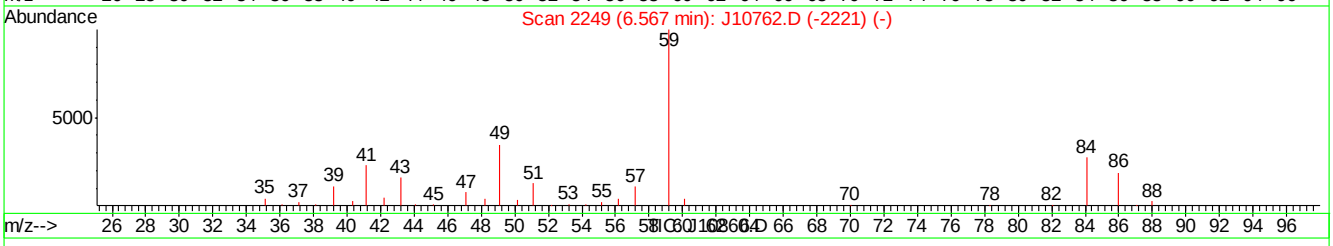
Data File : C:\MSDChem\1\data\J10860.D Vial: 1
Acq On : 5 Jul 2007 10:47 am Operator: danat
Sample : ic562-0.5 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

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







(22) TERTIARY BUTYL ALCOHOL (m)

6.69min 0.32PPBV m

response 12447

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

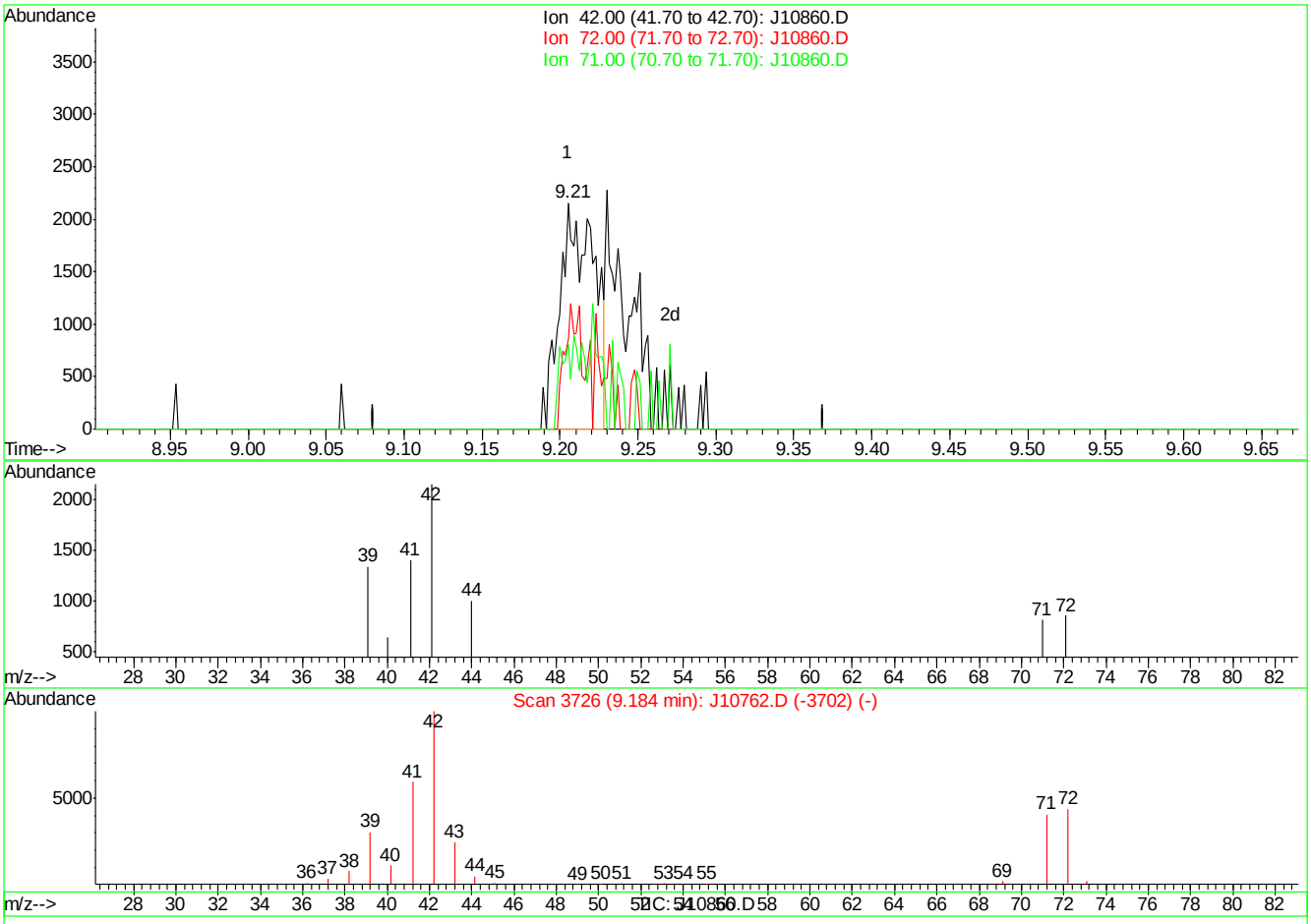
J10860.D J070507T.M Thu Jul 05 11:27:45 2007

Quantitation Report (Qedit)

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

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

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



(24) TETRAHYDROFURAN (m)

9.21min 0.19PPBV

response 3316

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

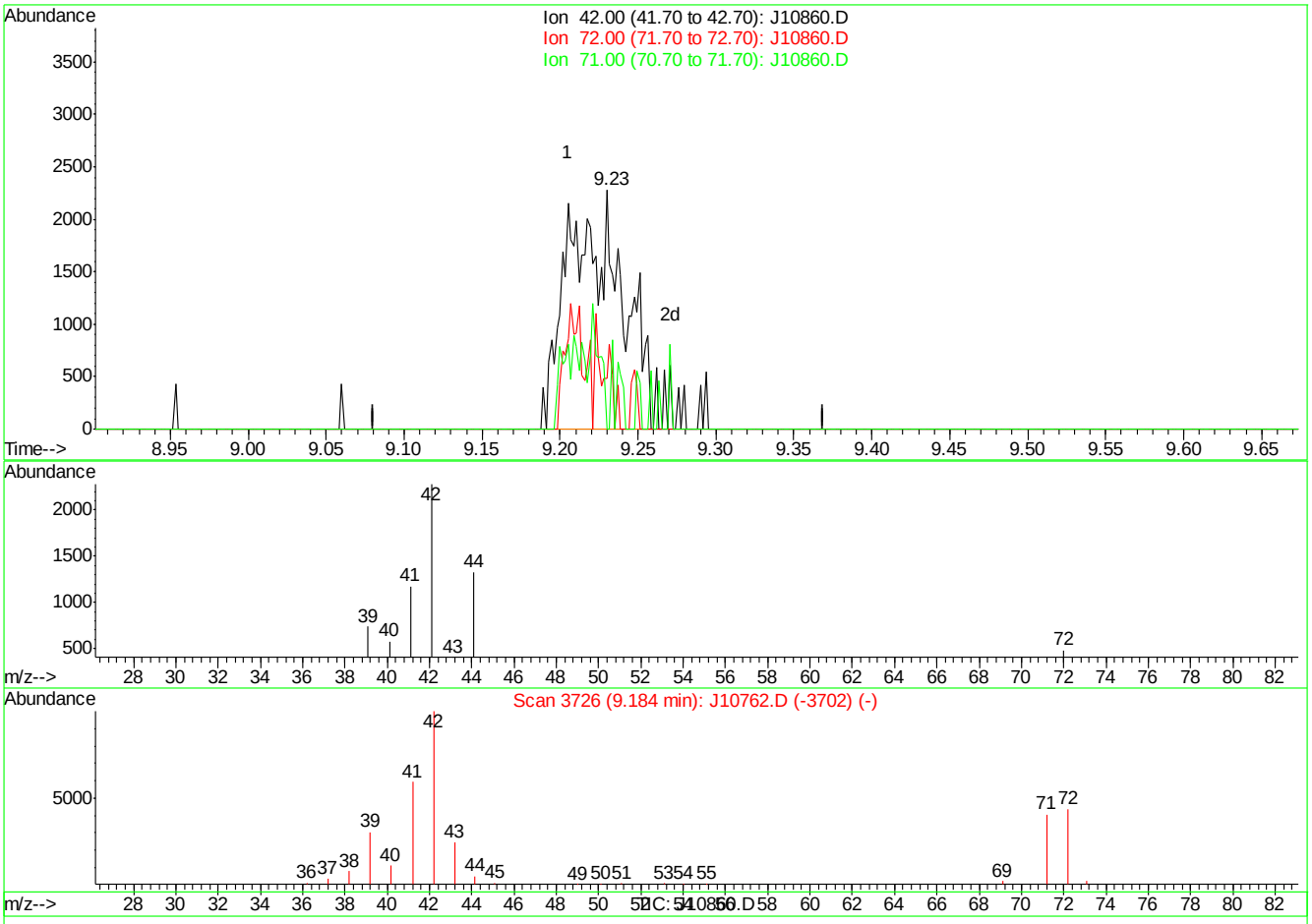
J10860.D J070507T.M Thu Jul 05 11:27:51 2007

Quantitation Report (Qedit)

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

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

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



(24) TETRAHYDROFURAN (m)

9.23min 0.30PPBV m

response 5371

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

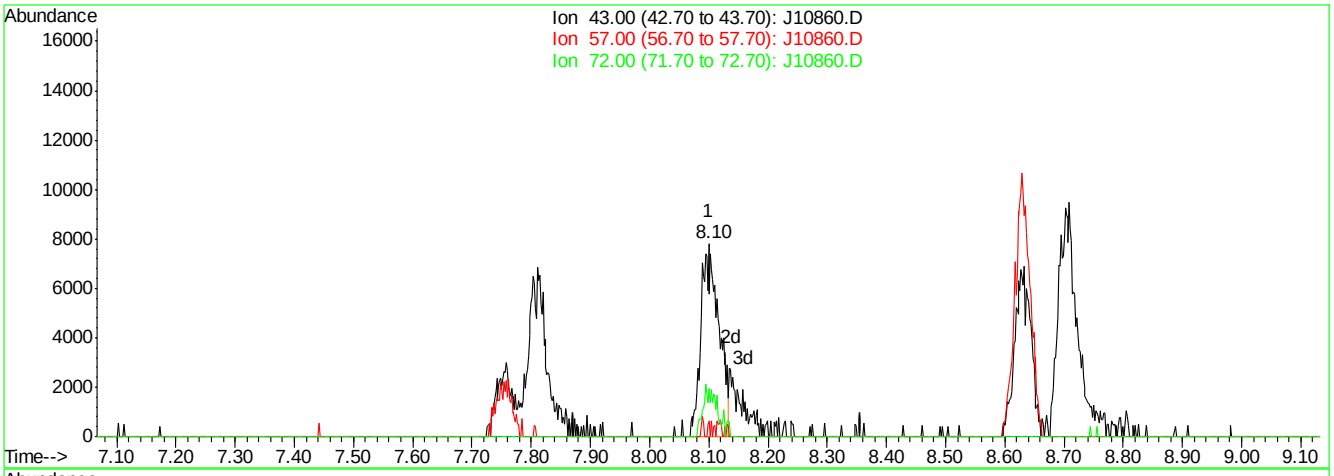
J10860.D J070507T.M Thu Jul 05 11:28:01 2007

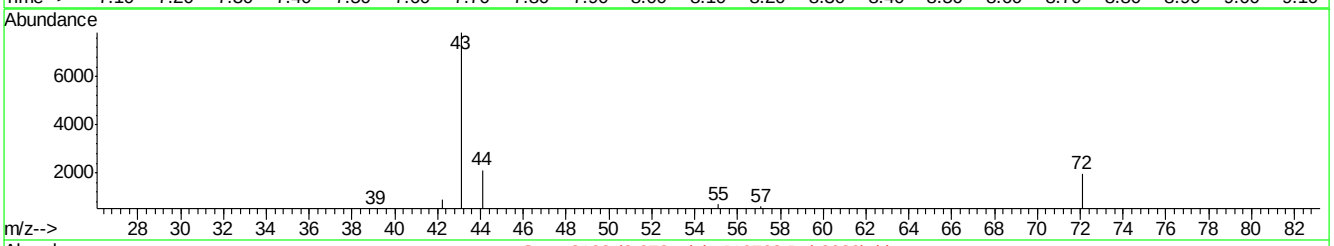
Quantitation Report (Qedit)

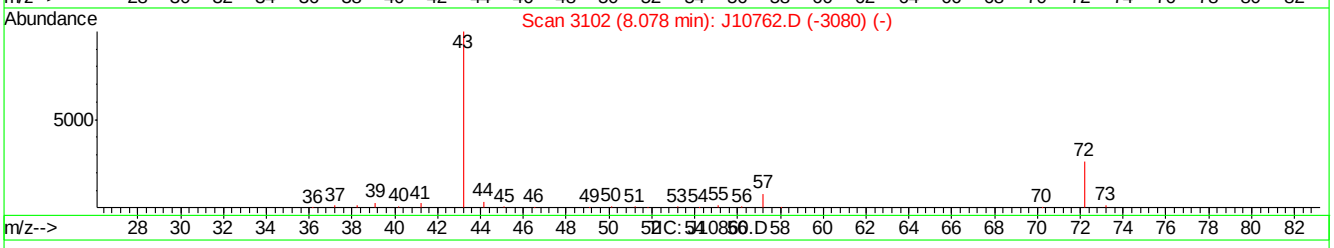
Data File : C:\MSDChem\1\data\J10860.D Vial: 1
Acq On : 5 Jul 2007 10:47 am Operator: danat
Sample : ic562-0.5 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

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







(28) METHYL ETHYL KETONE (m)

8.10min 0.44PPBV

response 16344

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

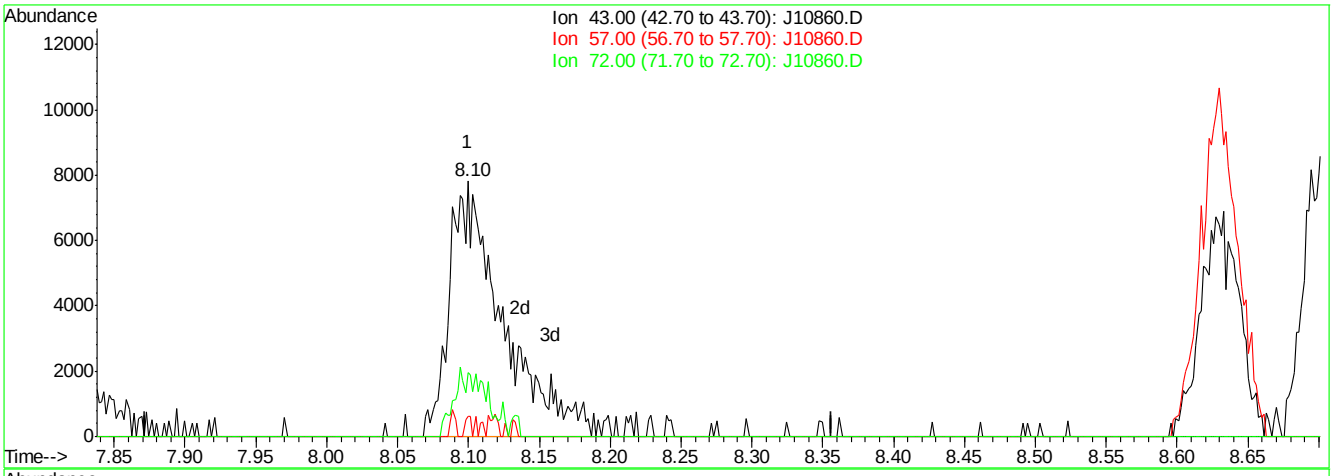
J10860.D J070507T.M Thu Jul 05 11:28:12 2007

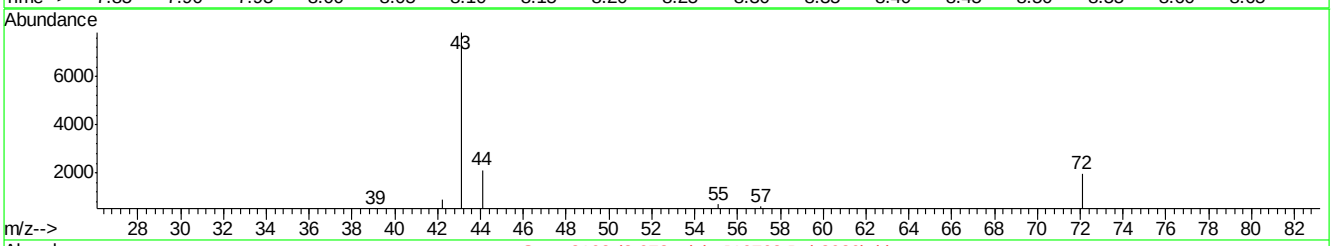
Quantitation Report (Qedit)

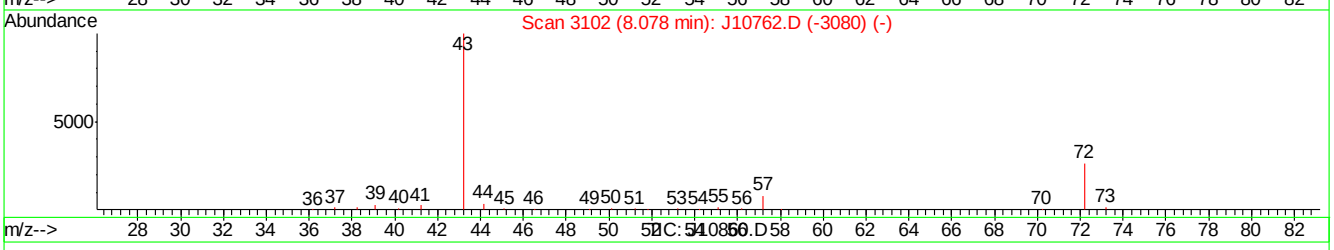
Data File : C:\MSDChem\1\data\J10860.D Vial: 1
Acq On : 5 Jul 2007 10:47 am Operator: danat
Sample : ic562-0.5 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

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







(28) METHYL ETHYL KETONE (m)

8.10min 0.54PPBV m

response 20284

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

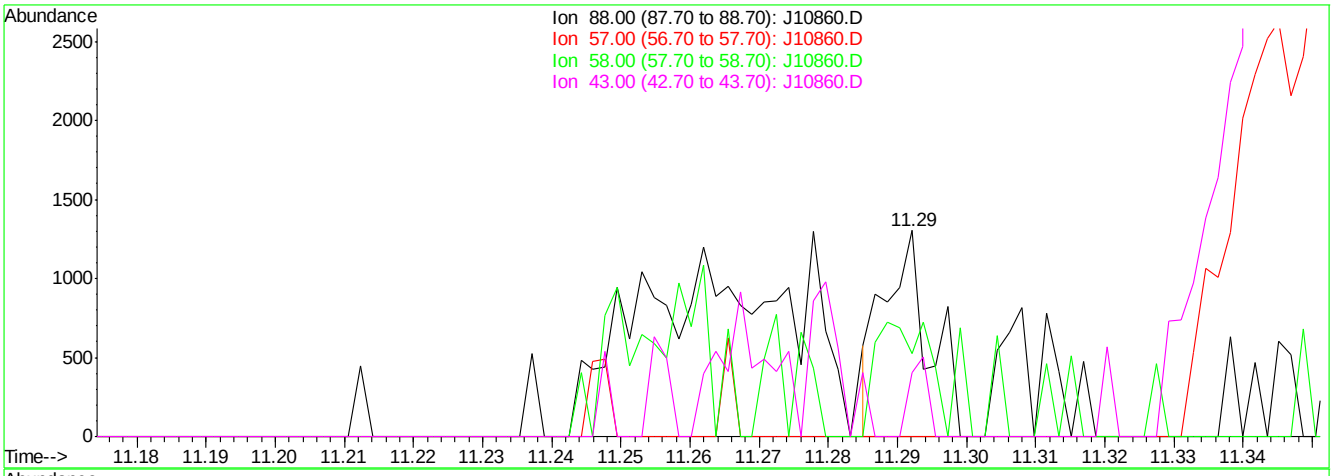
J10860.D J070507T.M Thu Jul 05 11:28:19 2007

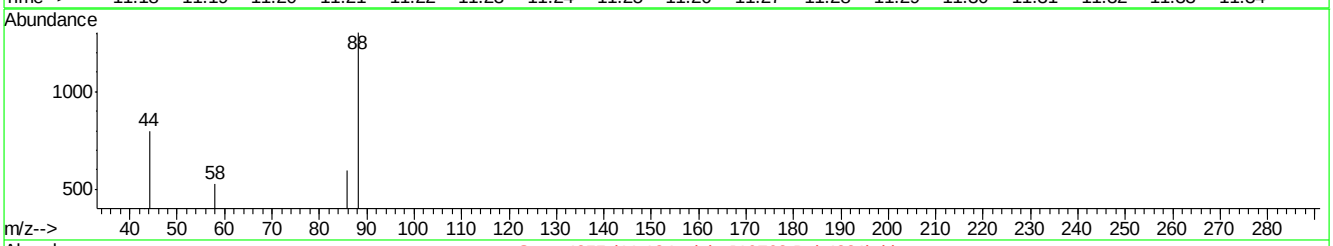
Quantitation Report (Qedit)

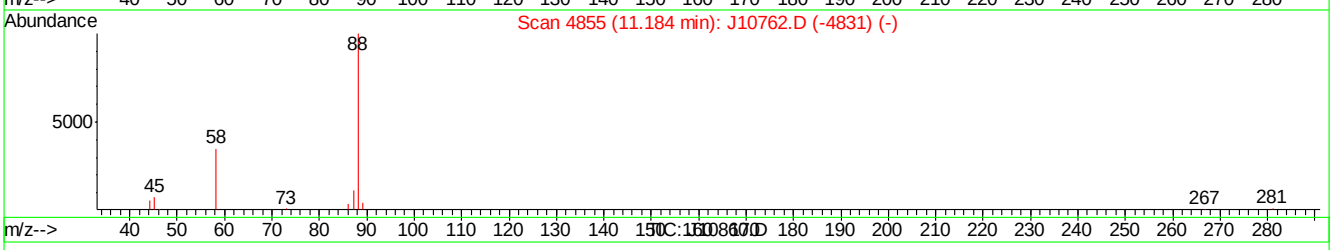
Data File : C:\MSDChem\1\data\J10860.D Vial: 1
Acq On : 5 Jul 2007 10:47 am Operator: danat
Sample : ic562-0.5 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

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







(42) 1,4-DIOXANE (m)

11.29min 0.05PPBV

response 606

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

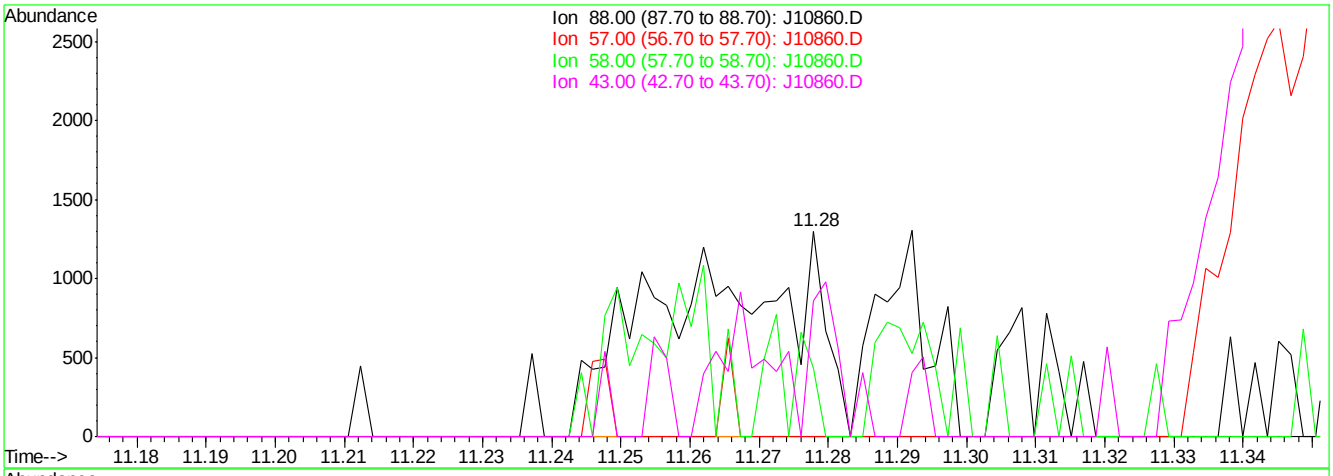
J10860.D J070507T.M Thu Jul 05 11:28:38 2007

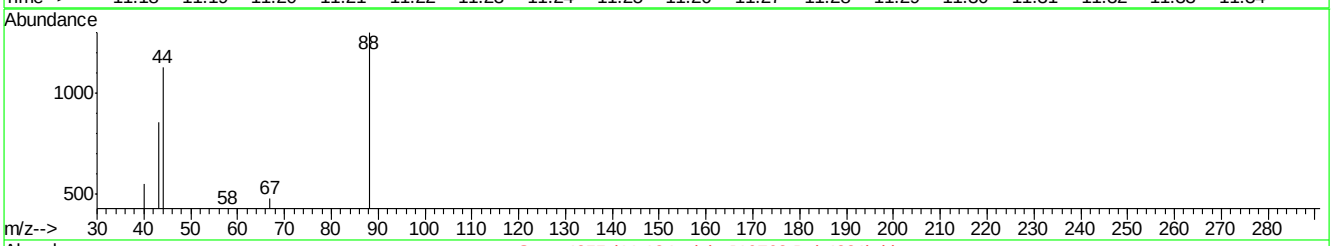
Quantitation Report (Qedit)

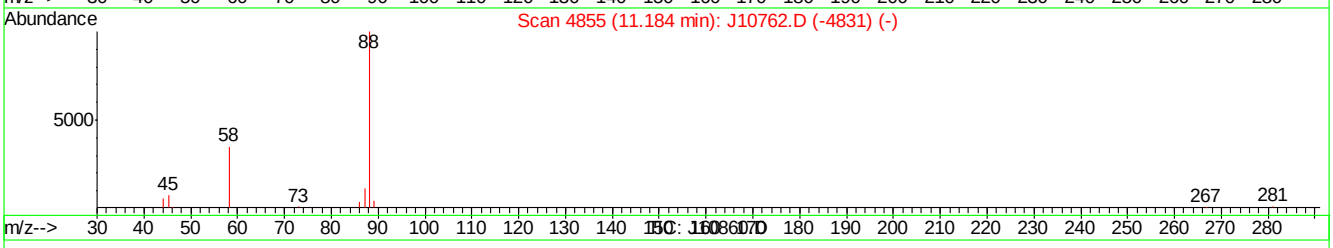
Data File : C:\MSDChem\1\data\J10860.D Vial: 1
Acq On : 5 Jul 2007 10:47 am Operator: danat
Sample : ic562-0.5 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

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







(42) 1,4-DIOXANE (m)

11.28min 0.16PPBV m

response 1834

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

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

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

Quantitation Report (QT Reviewed)

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

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

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

System Monitoring Compounds

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

Spiked Amount 5.000 Range 51 - 142 Recovery = 81.60%

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

Quantitation Report (QT Reviewed)

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

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

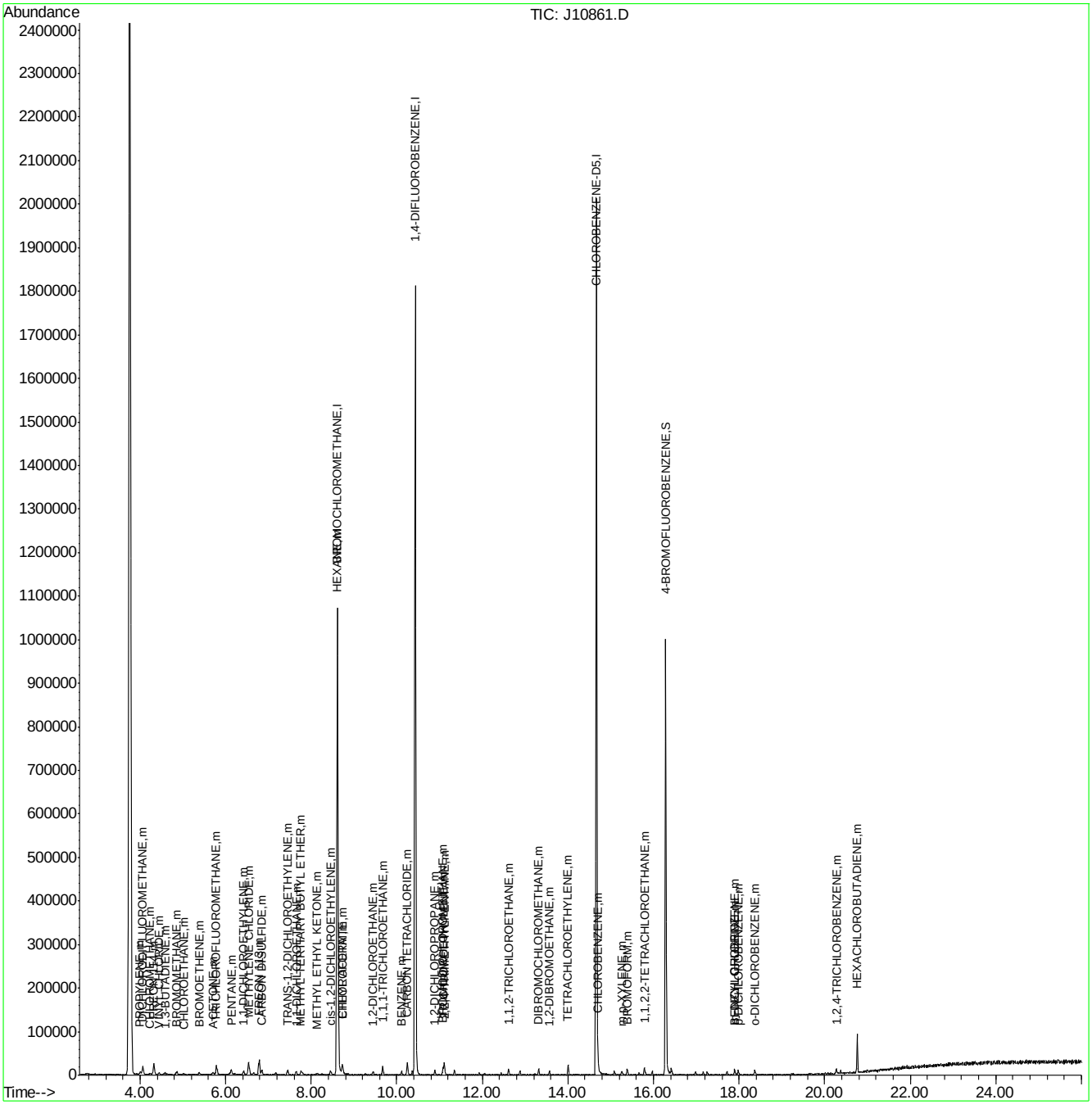
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) BENZYL CHLORIDE	17.89	91	3365	0.10	PPBV	68
70) p-DICHLOROBENZENE	17.98	146	4657	0.12	PPBV	93
71) o-DICHLOROBENZENE	18.37	146	5188	0.13	PPBV	95
72) HEXACHLOROBUTADIENE	20.76	225	14766	0.39	PPBV	97
73) 1,2,4-TRICHLOROBENZENE	20.27	180	4132	0.26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

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

Quantitation Report (QT Reviewed)

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

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



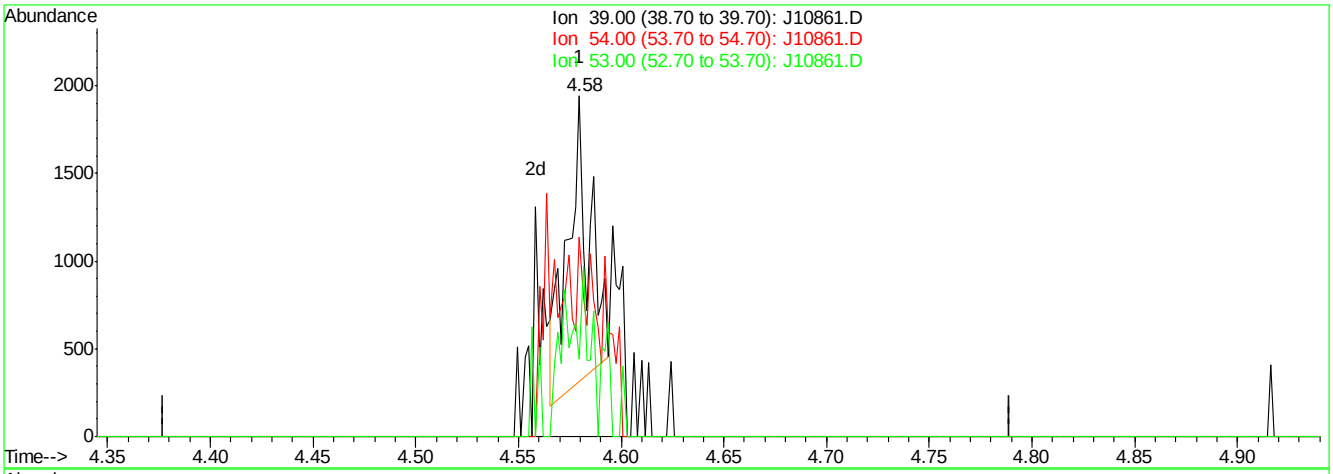
J070507T.M Fri Jul 06 11:18:51 2007 Page: 3

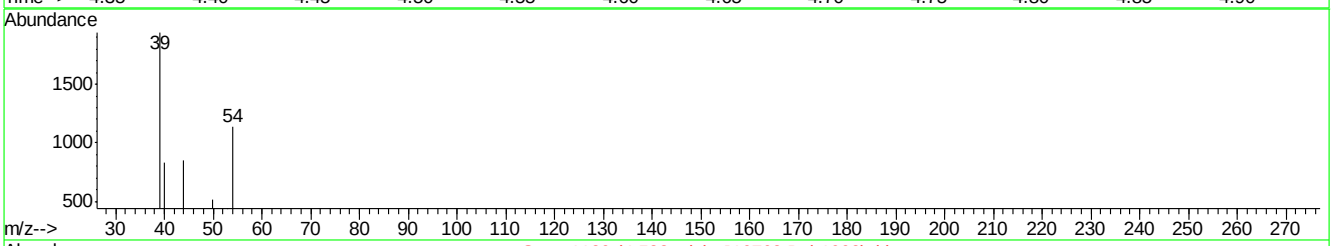
Quantitation Report (Qedit)

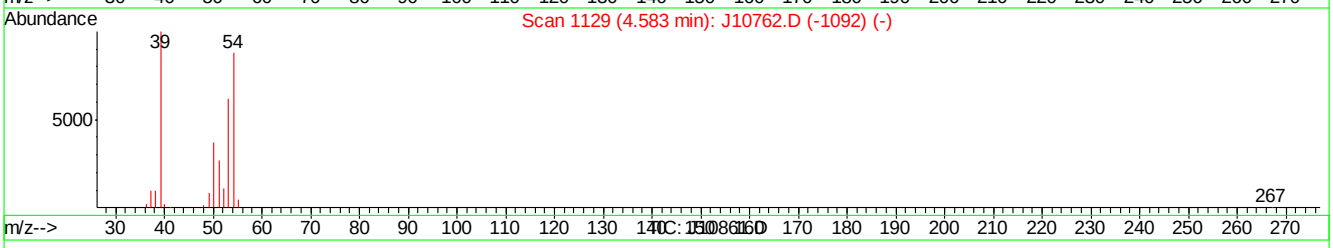
Data File : C:\MSDChem\1\data\J10861.D Vial: 1
Acq On : 5 Jul 2007 11:40 am Operator: danat
Sample : ic562-0.2 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

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







(7) 1,3-BUTADIENE (m)

4.58min 0.06PPBV

response 1190

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

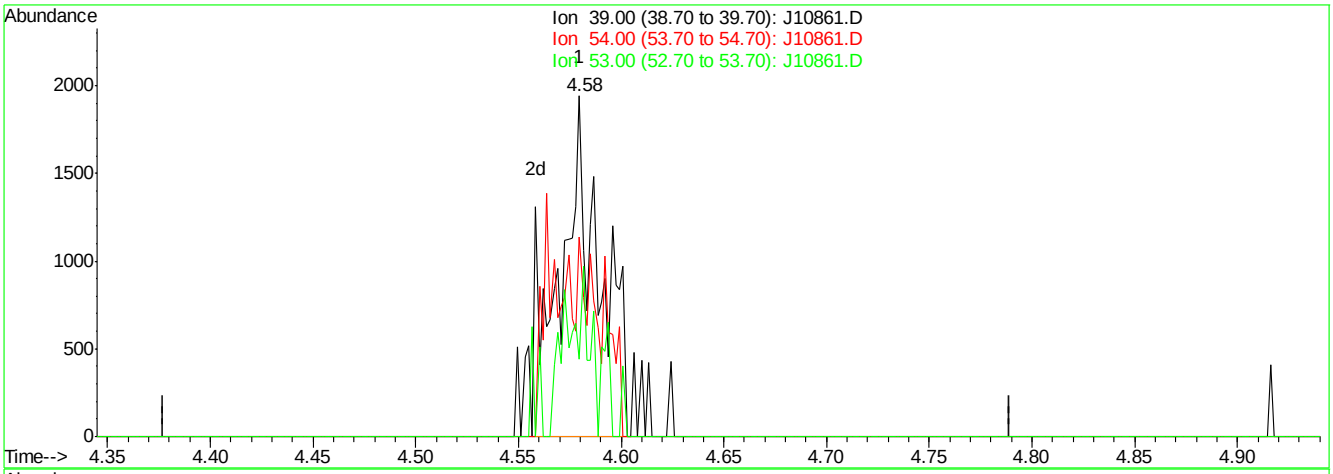
J10861.D J070507T.M Thu Jul 05 12:06:49 2007

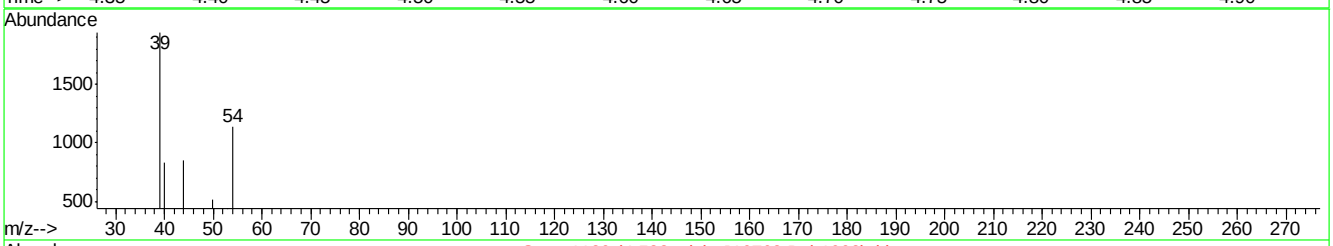
Quantitation Report (Qedit)

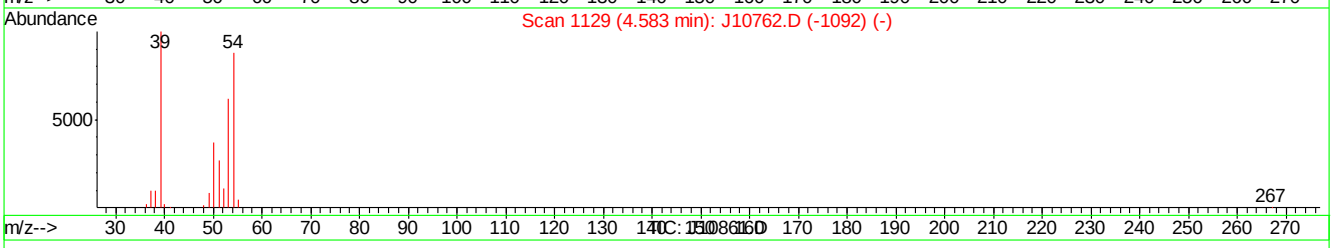
Data File : C:\MSDChem\1\data\J10861.D Vial: 1
Acq On : 5 Jul 2007 11:40 am Operator: danat
Sample : ic562-0.2 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

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







(7) 1,3-BUTADIENE (m)

4.58min 0.13PPBV m

response 2547

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

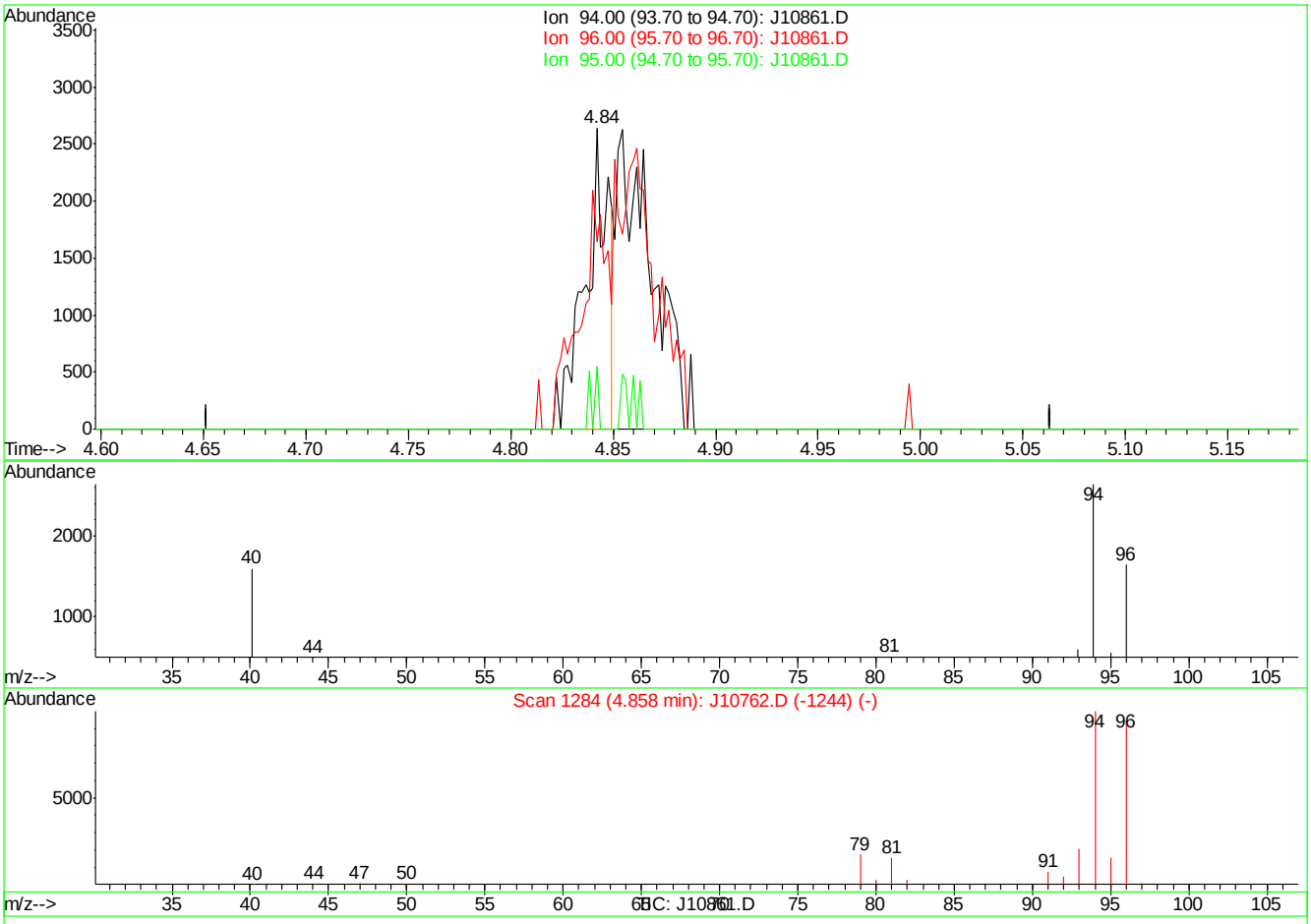
J10861.D J070507T.M Thu Jul 05 12:06:58 2007

Quantitation Report (Qedit)

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

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

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



(8) BROMOMETHANE (m)

4.84min 0.06PPBV

response 2038

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

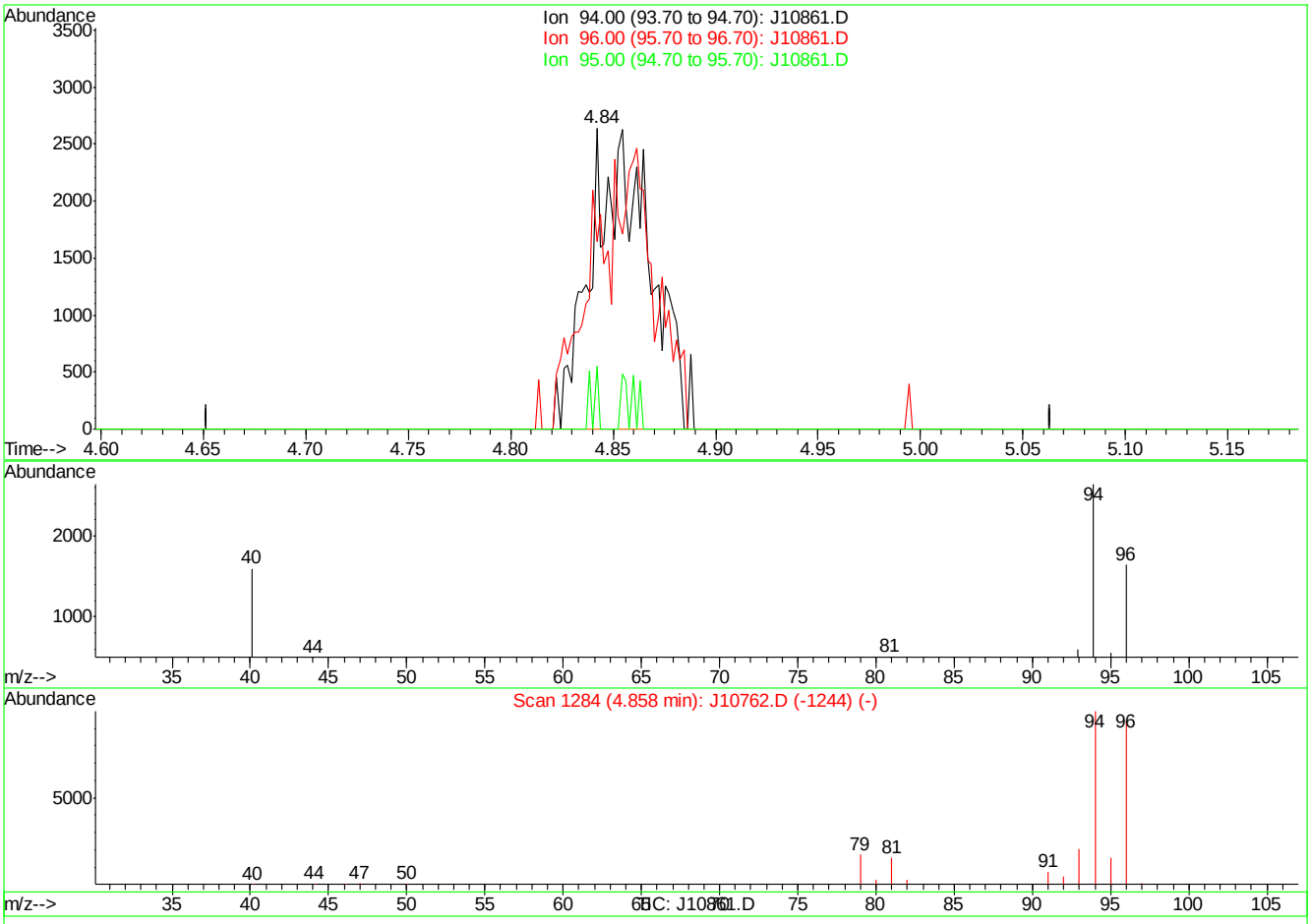
J10861.D J070507T.M Thu Jul 05 12:07:03 2007

Quantitation Report (Qedit)

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

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

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



(8) BROMOMETHANE (m)

4.84min 0.17PPBV m

response 5275

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

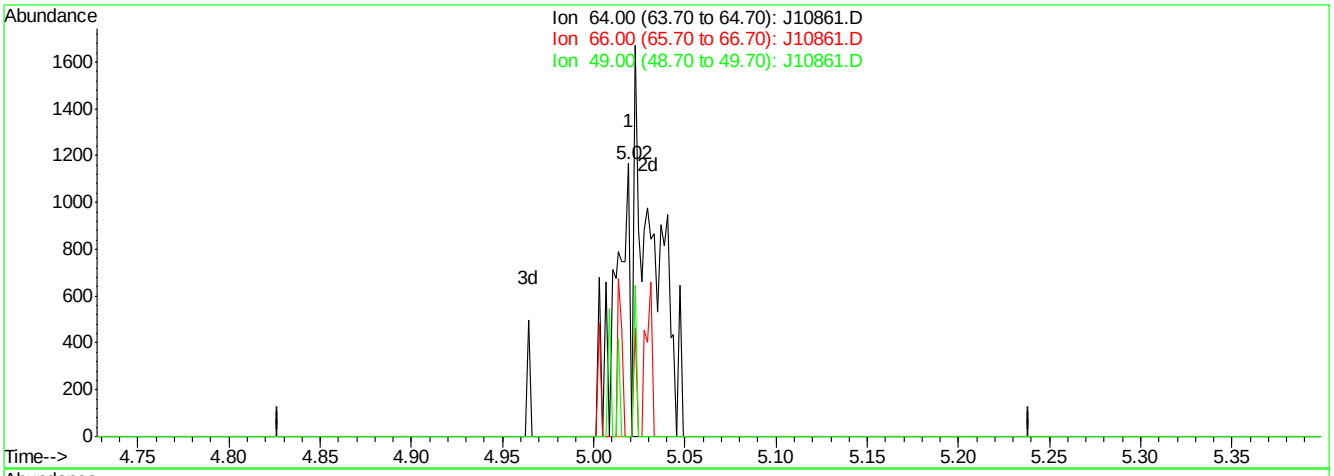
J10861.D J070507T.M Thu Jul 05 12:07:08 2007

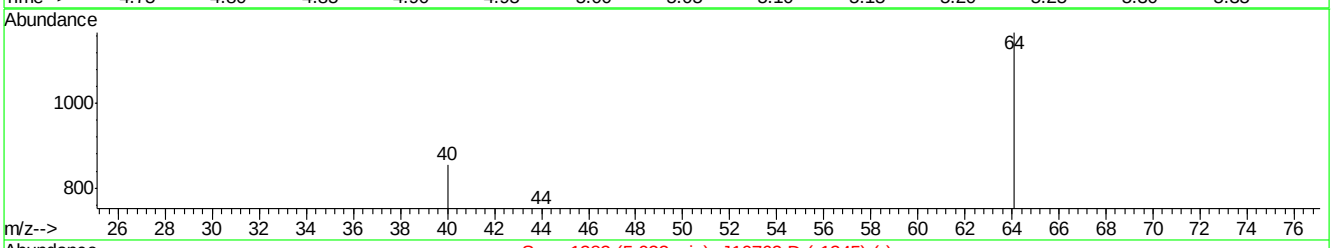
Quantitation Report (Qedit)

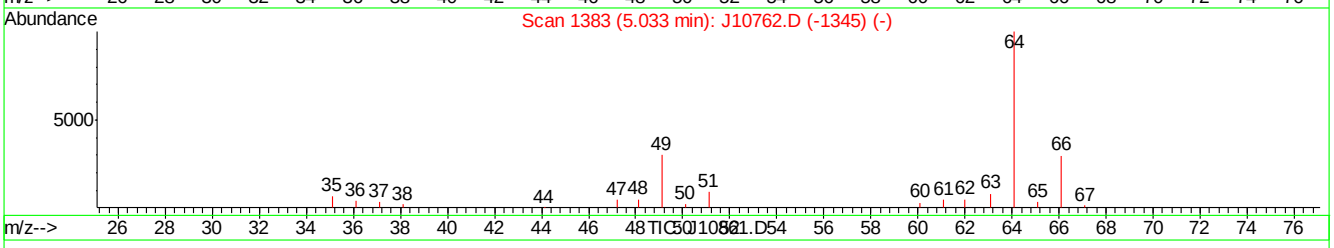
Data File : C:\MSDChem\1\data\J10861.D Vial: 1
Acq On : 5 Jul 2007 11:40 am Operator: danat
Sample : ic562-0.2 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

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







(9) CHLOROETHANE (m)

5.02min 0.05PPBV

response 658

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

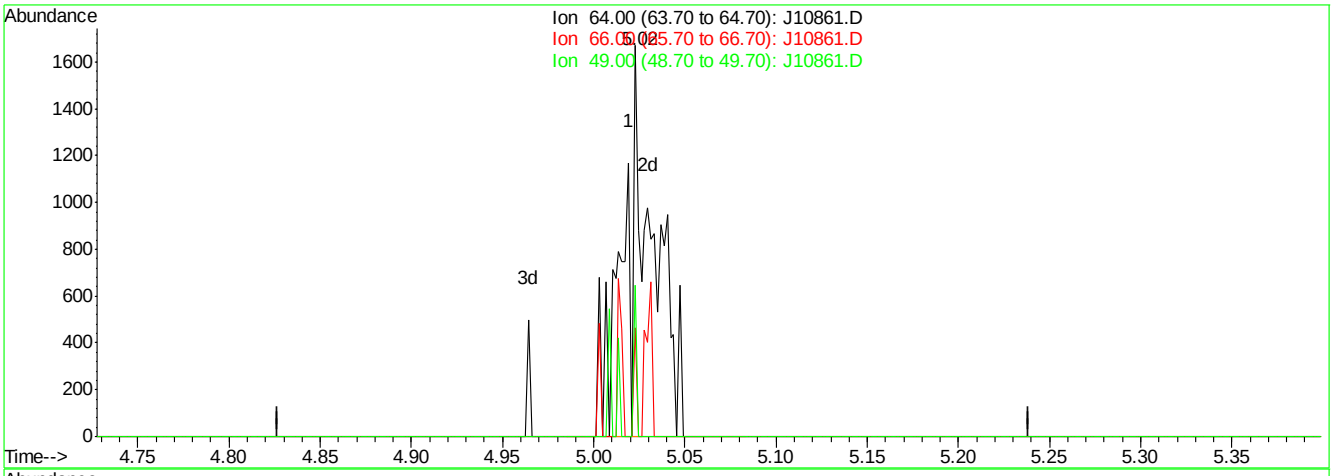
J10861.D J070507T.M Thu Jul 05 12:07:13 2007

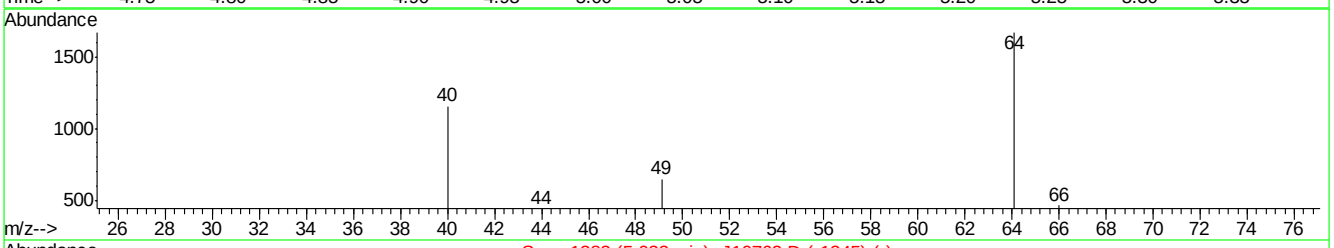
Quantitation Report (Qedit)

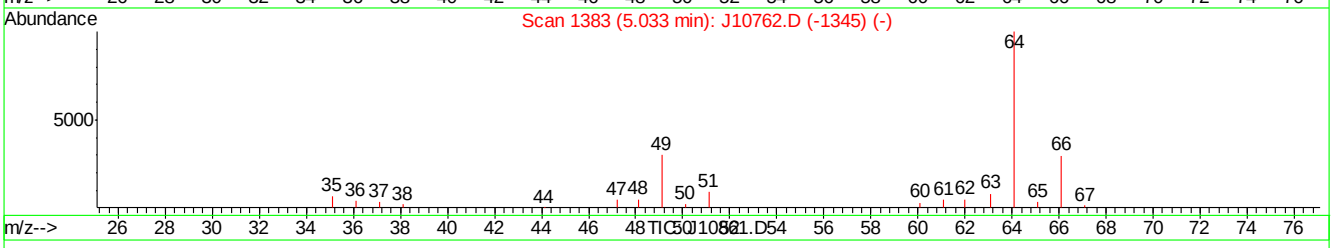
Data File : C:\MSDChem\1\data\J10861.D Vial: 1
Acq On : 5 Jul 2007 11:40 am Operator: danat
Sample : ic562-0.2 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

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







(9) CHLOROETHANE (m)

5.02min 0.15PPBV m

response 1880

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

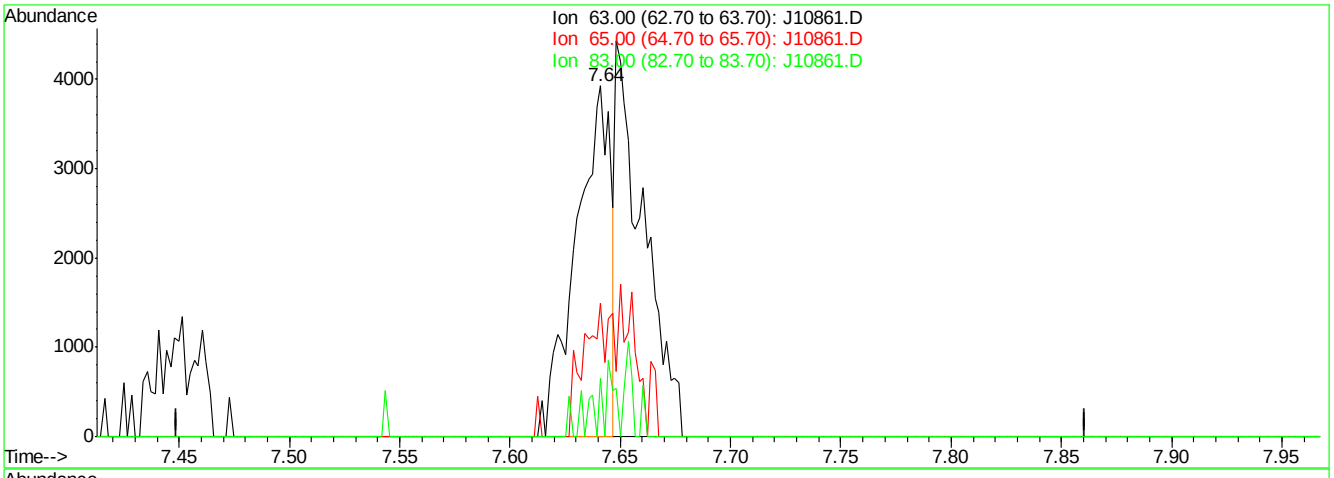
J10861.D J070507T.M Thu Jul 05 12:07:16 2007

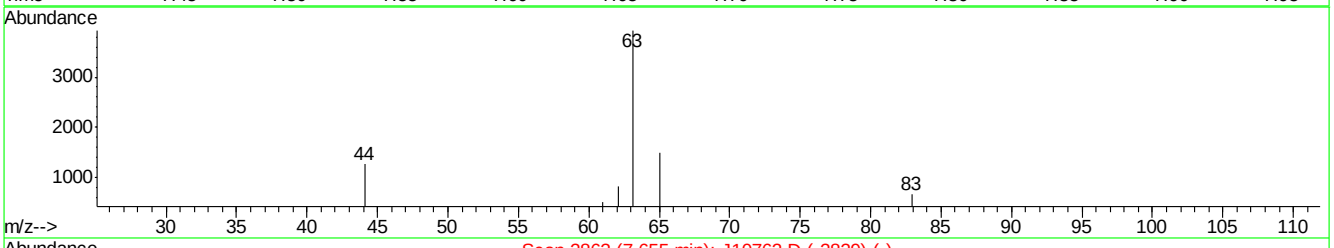
Quantitation Report (Qedit)

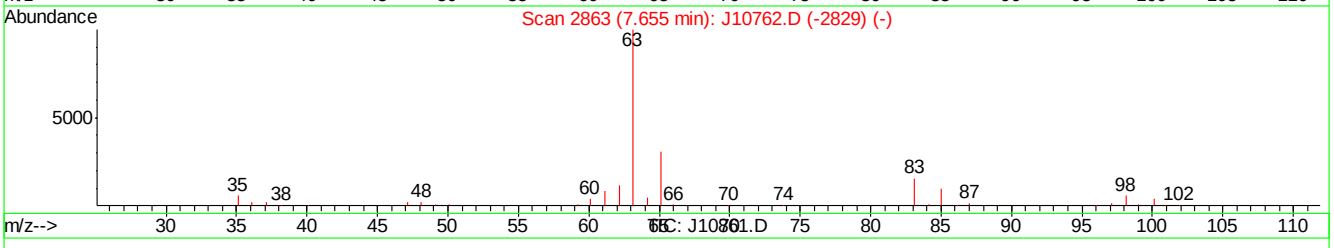
Data File : C:\MSDChem\1\data\J10861.D Vial: 1
Acq On : 5 Jul 2007 11:40 am Operator: danat
Sample : ic562-0.2 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

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







(27) 1,1-DICHLOROETHANE (m)

7.64min 0.08PPBV

response 4190

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

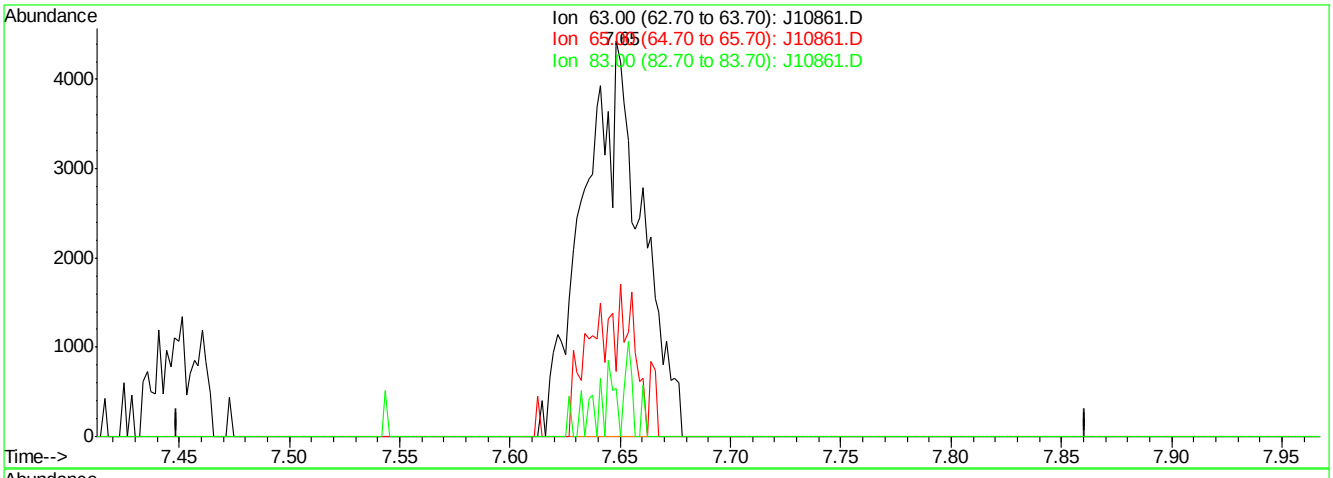
J10861.D J070507T.M Thu Jul 05 12:08:09 2007

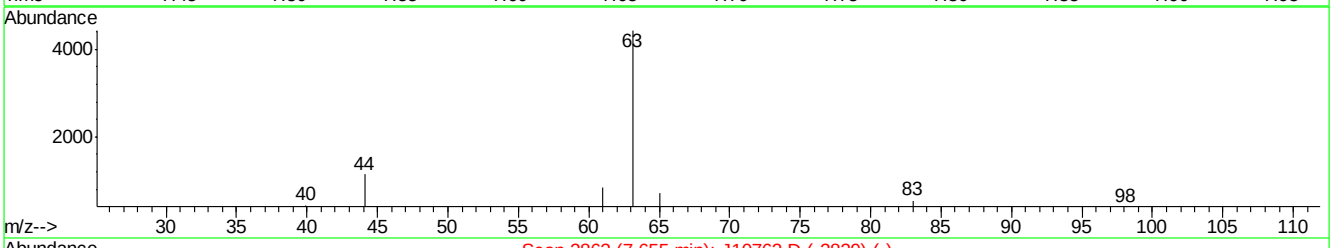
Quantitation Report (Qedit)

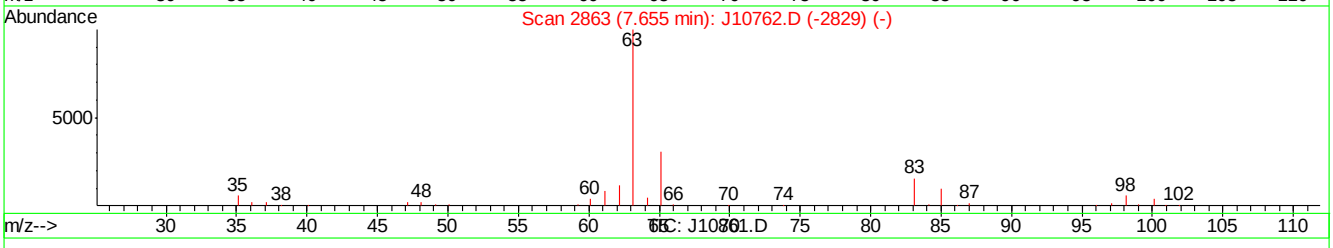
Data File : C:\MSDChem\1\data\J10861.D Vial: 1
Acq On : 5 Jul 2007 11:40 am Operator: danat
Sample : ic562-0.2 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

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







(27) 1,1-DICHLOROETHANE (m)

7.65min 0.16PPBV m

response 8089

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

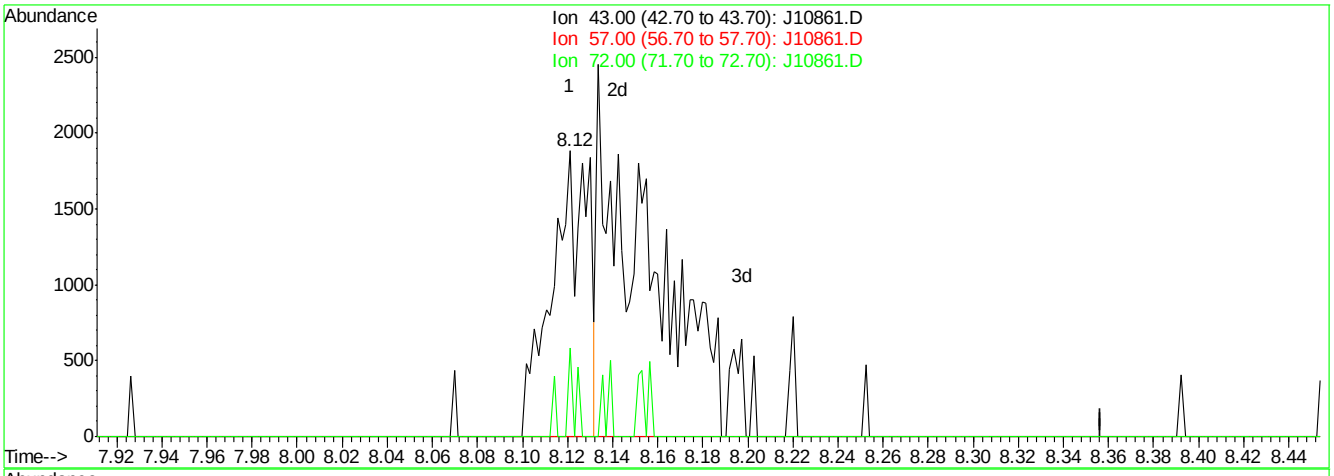
J10861.D J070507T.M Thu Jul 05 12:08:13 2007

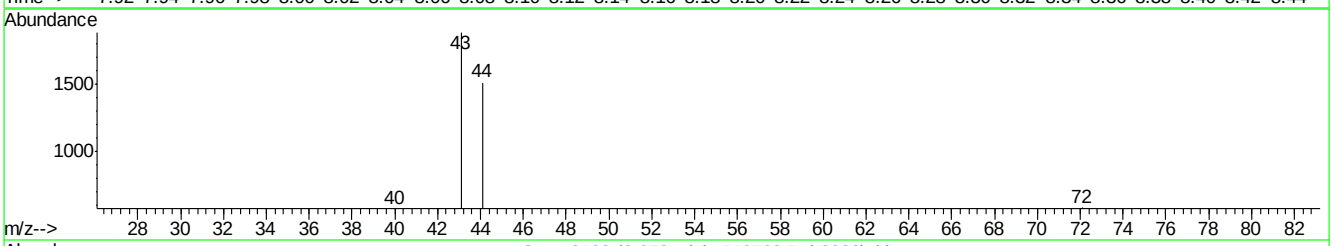
Quantitation Report (Qedit)

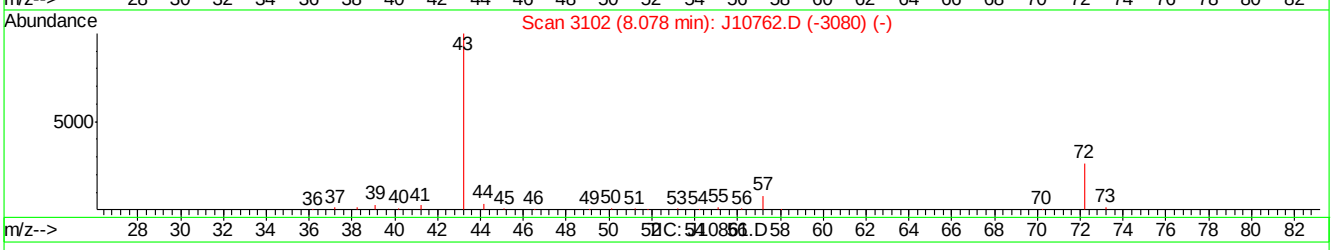
Data File : C:\MSDChem\1\data\J10861.D Vial: 1
Acq On : 5 Jul 2007 11:40 am Operator: danat
Sample : ic562-0.2 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

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







(28) METHYL ETHYL KETONE (m)

8.12min 0.05PPBV

response 2089

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

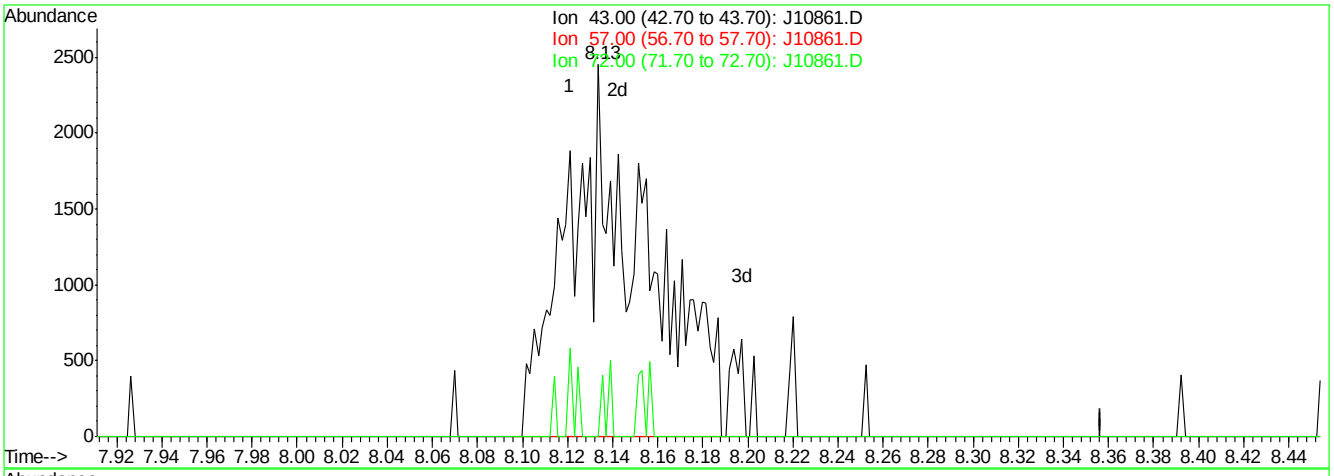
J10861.D J070507T.M Thu Jul 05 12:08:19 2007

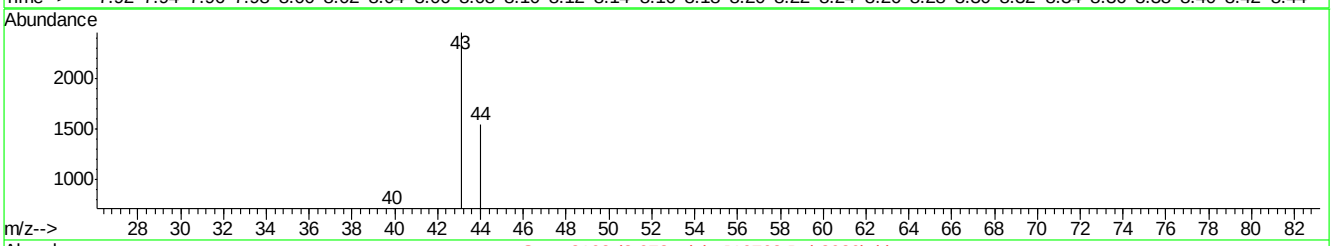
Quantitation Report (Qedit)

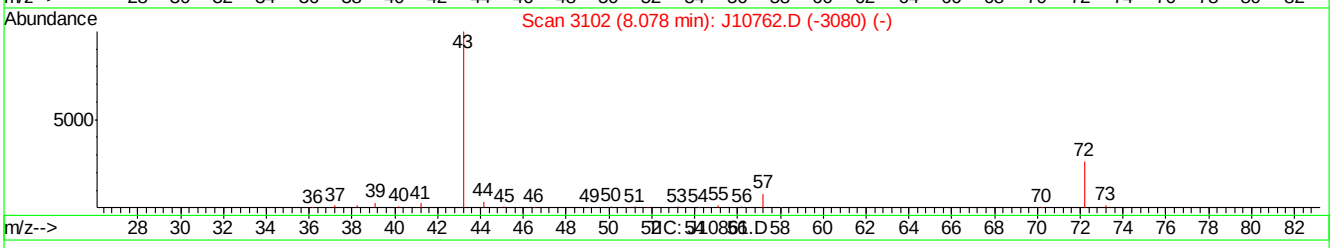
Data File : C:\MSDChem\1\data\J10861.D Vial: 1
Acq On : 5 Jul 2007 11:40 am Operator: danat
Sample : ic562-0.2 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

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







(28) METHYL ETHYL KETONE (m)

8.13min 0.15PPBV m

response 5695

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

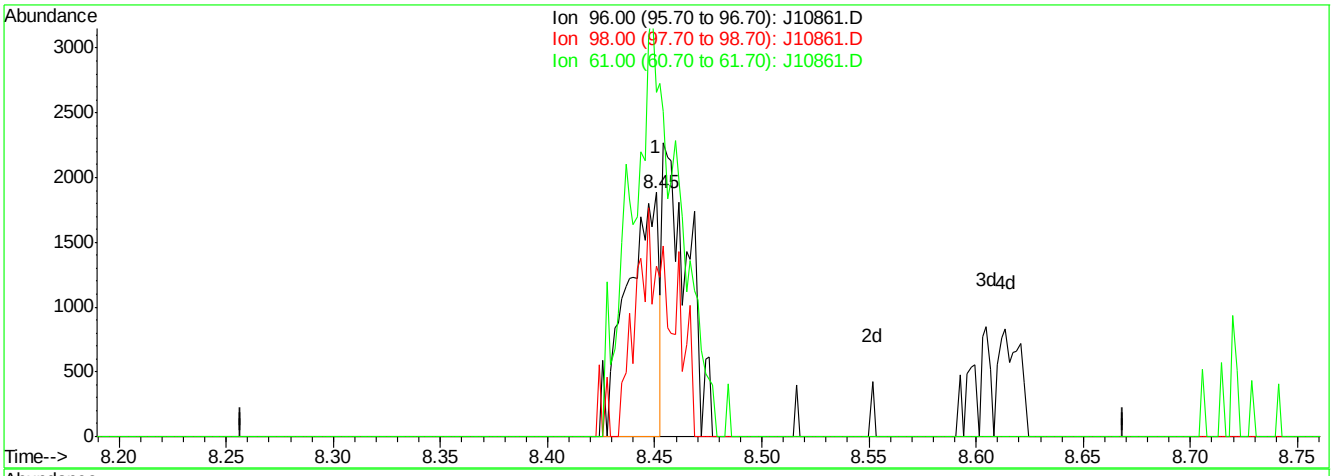
J10861.D J070507T.M Thu Jul 05 12:08:24 2007

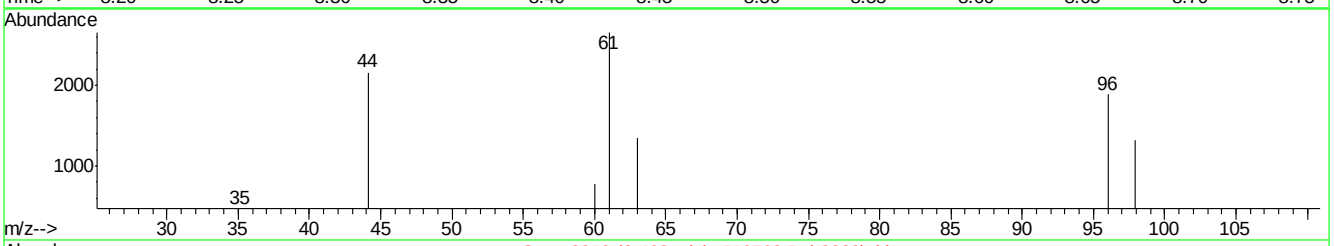
Quantitation Report (Qedit)

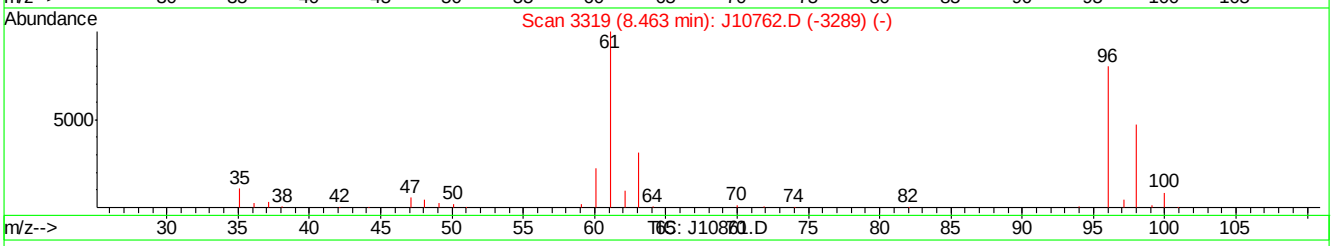
Data File : C:\MSDChem\1\data\J10861.D Vial: 1
Acq On : 5 Jul 2007 11:40 am Operator: danat
Sample : ic562-0.2 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

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







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

8.45min 0.07PPBV

response 1947

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

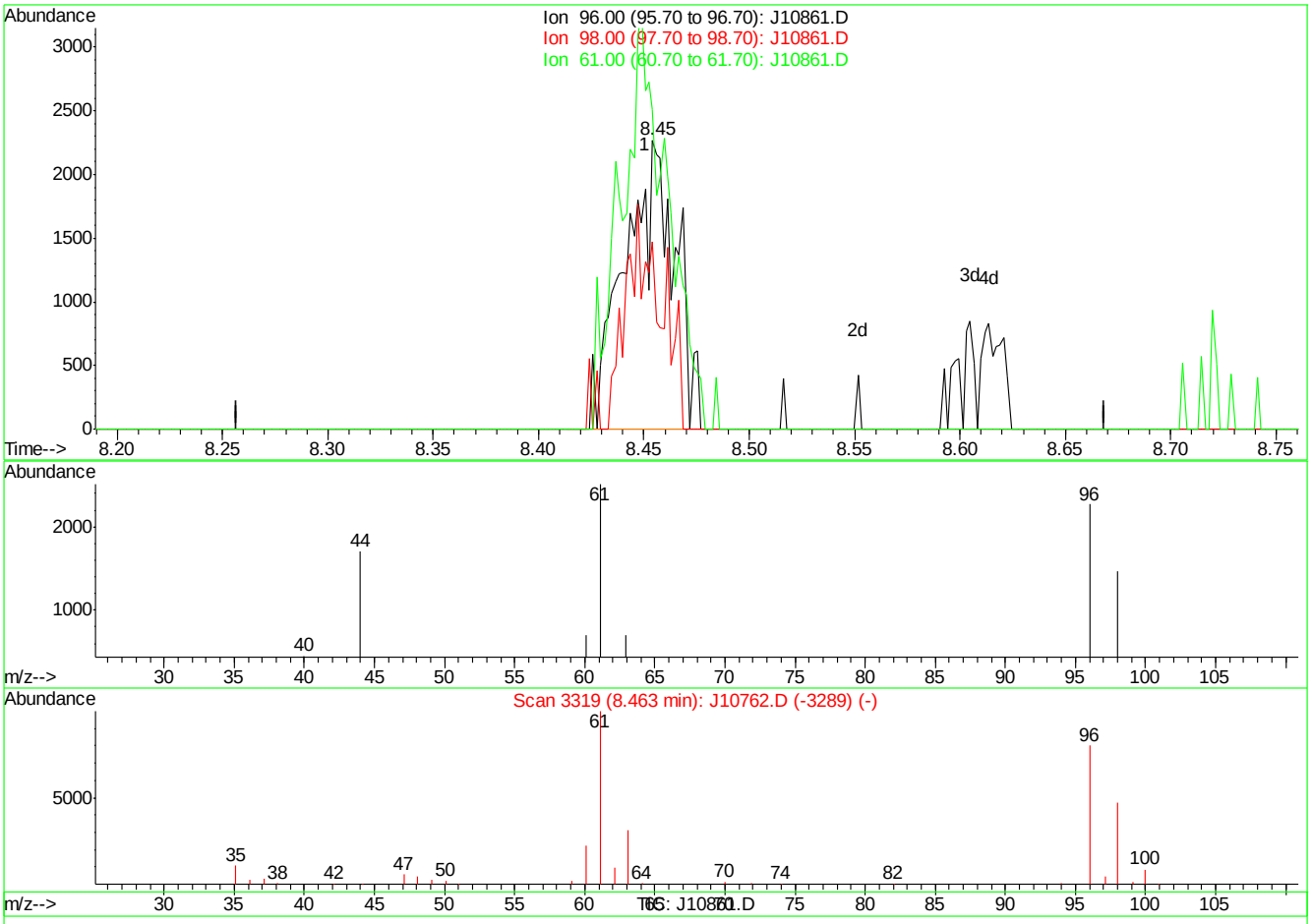
J10861.D J070507T.M Thu Jul 05 12:08:30 2007

Quantitation Report (Qedit)

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

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

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



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

8.45min 0.14PPBV m

response 3794

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

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

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

Quantitation Report (QT Reviewed)

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

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

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

Quantitation Report (QT Reviewed)

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

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

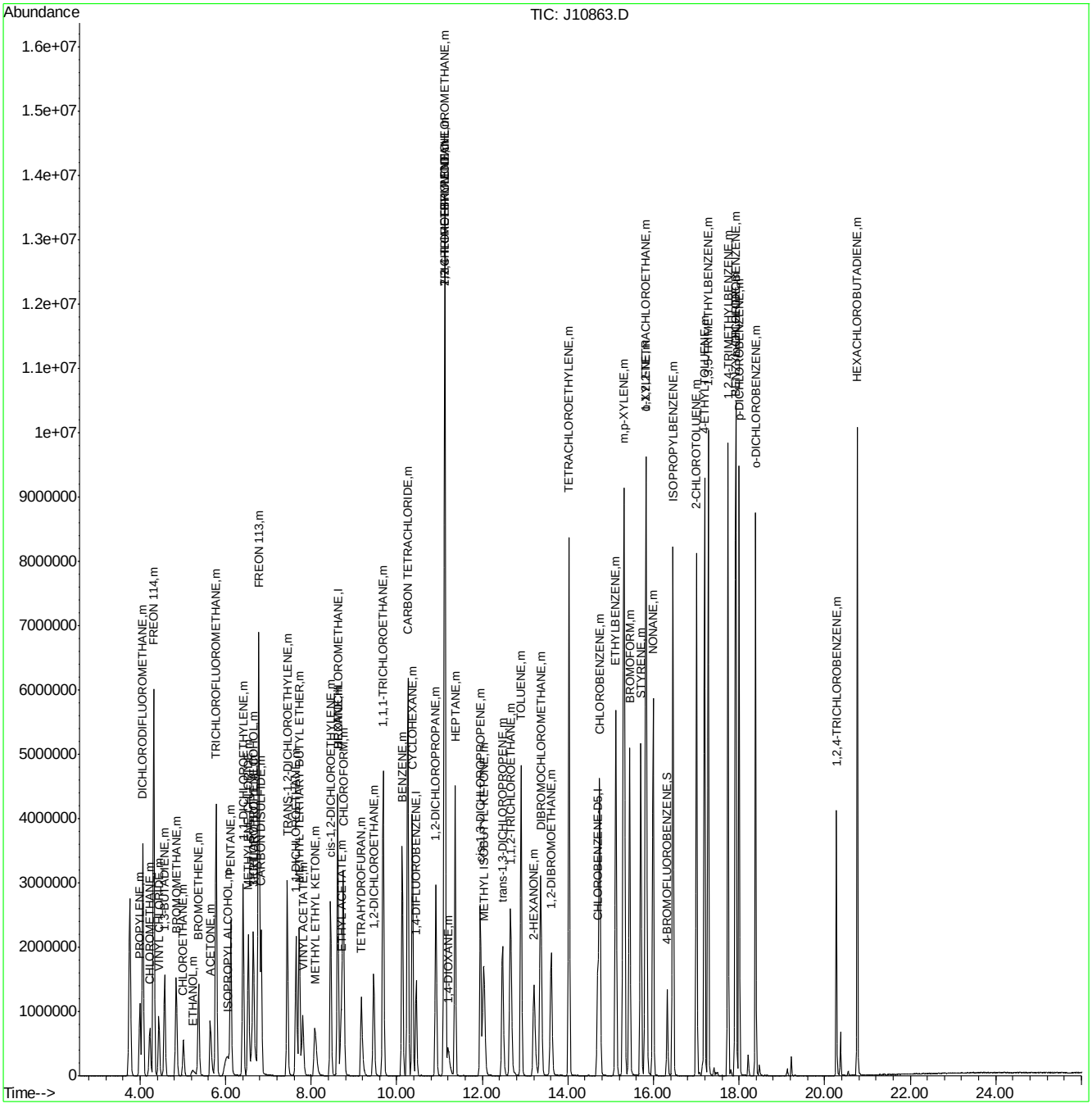
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.03	43	2305916	56.42	PPBV	99
45) cis-1,3-DICHLOROPROPENE	11.95	75	1815083	59.05	PPBV	96
46) TOLUENE	12.90	92	2637403	58.93	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.47	75	1814273	63.58	PPBV	97
48) 1,1,2-TRICHLOROETHANE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

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

Quantitation Report (QT Reviewed)

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

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

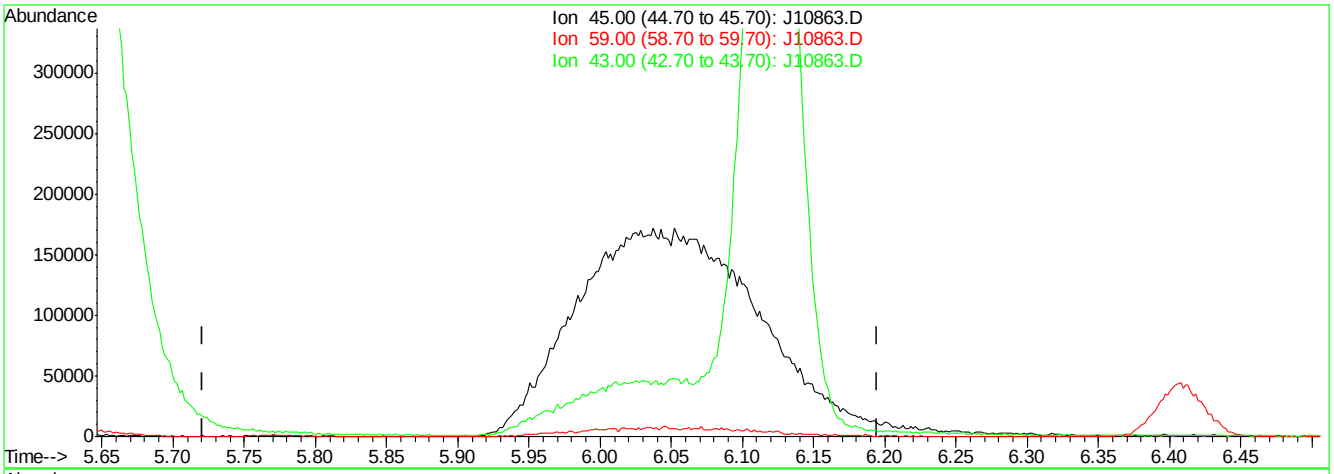


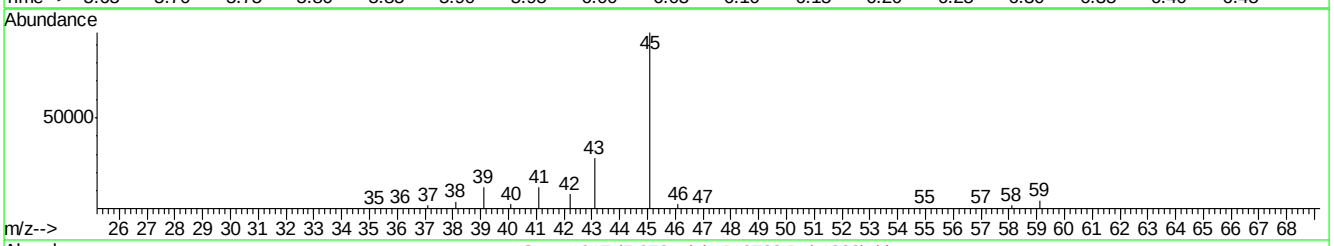
Quantitation Report (Qedit)

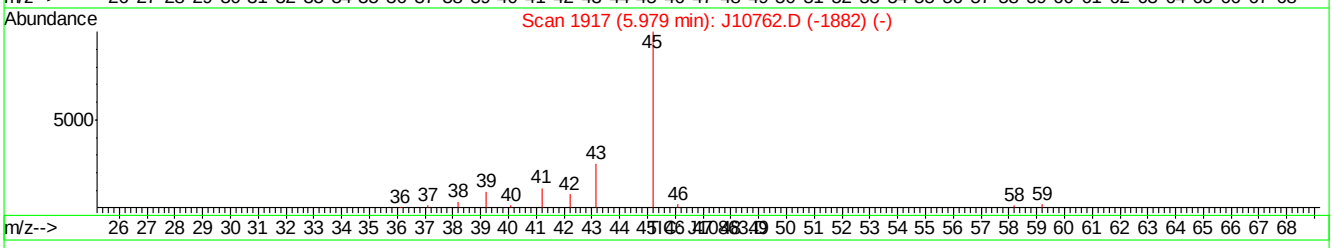
Data File : C:\MSDChem\1\data\J10863.D Vial: 1
Acq On : 5 Jul 2007 1:26 pm Operator: danat
Sample : ic562-40 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

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







(11) ISOPROPYL ALCOHOL (m)

5.98min 0.00PPBV

response 0

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

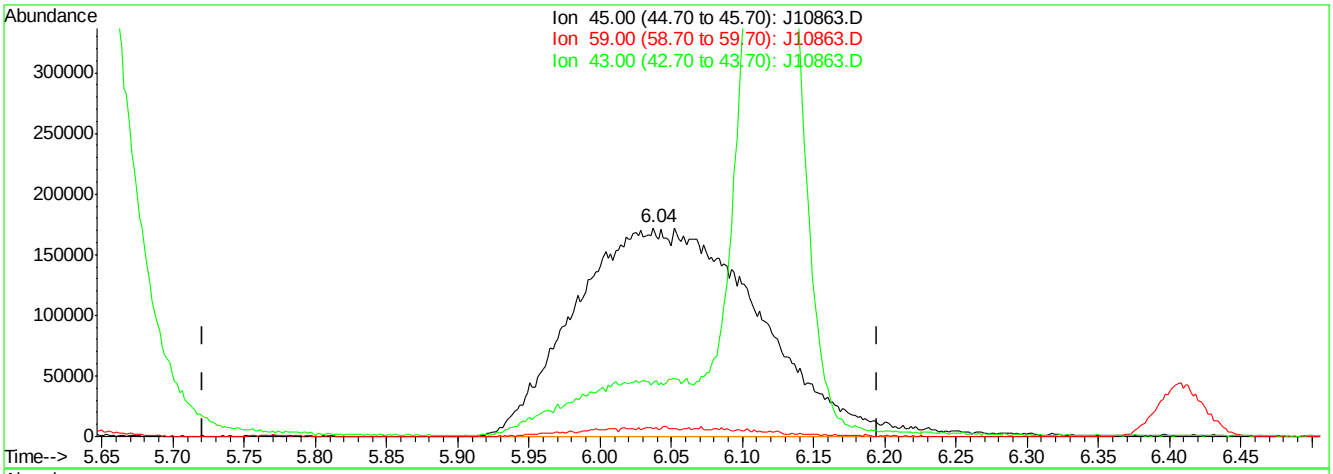
J10863.D J070507T.M Thu Jul 05 13:57:14 2007

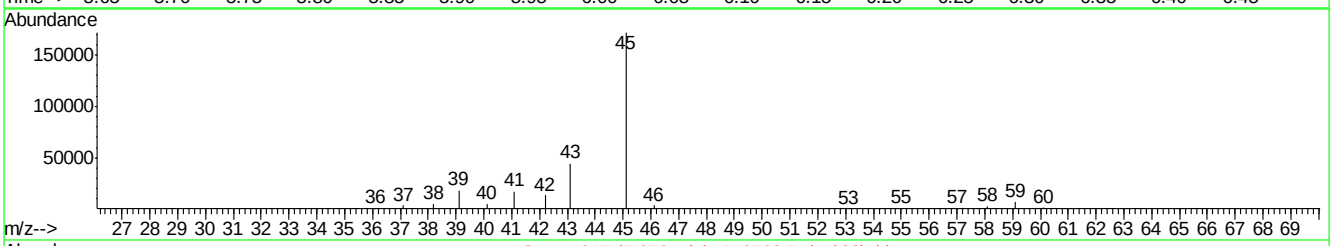
Quantitation Report (Qedit)

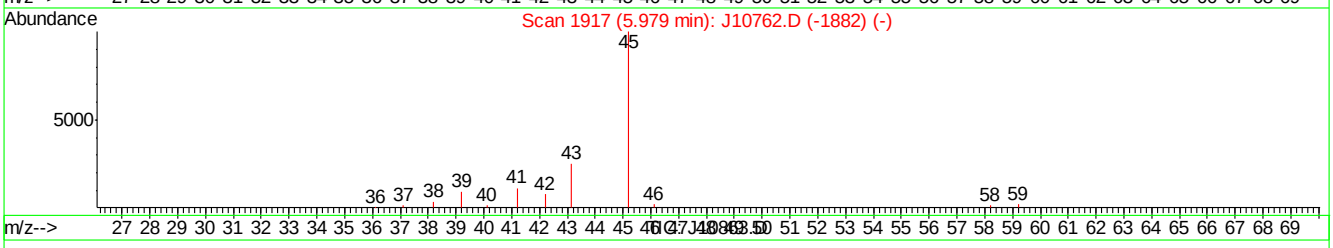
Data File : C:\MSDChem\1\data\J10863.D Vial: 1
Acq On : 5 Jul 2007 1:26 pm Operator: danat
Sample : ic562-40 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

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







(11) ISOPROPYL ALCOHOL (m)

6.04min 38.89PPBV m

response 1543457

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

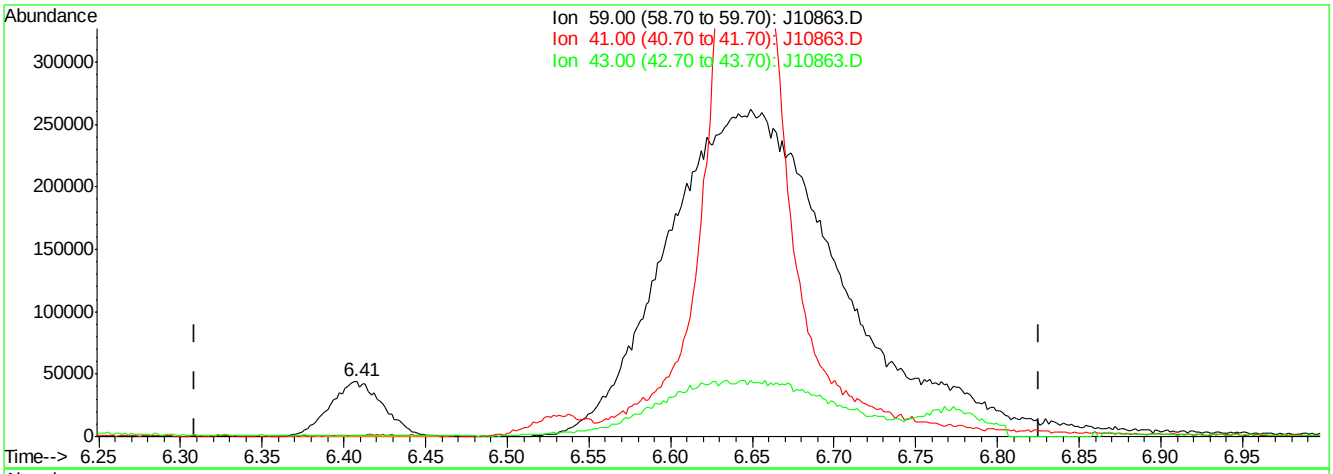
J10863.D J070507T.M Thu Jul 05 13:57:20 2007

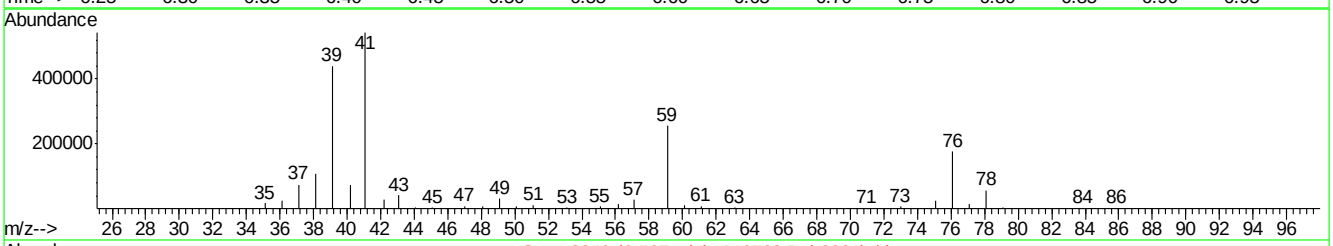
Quantitation Report (Qedit)

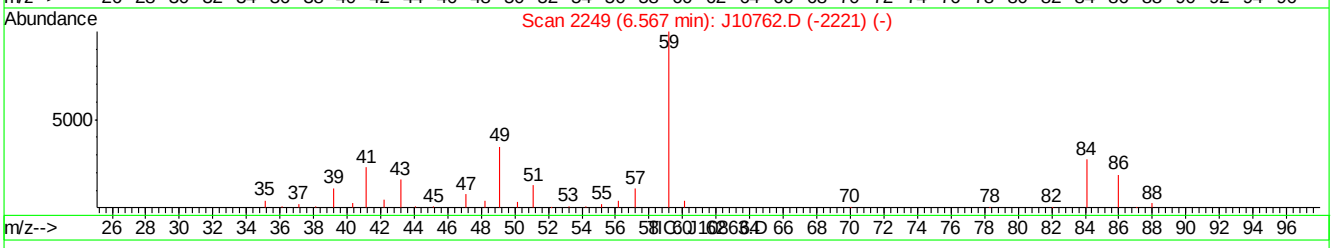
Data File : C:\MSDChem\1\data\J10863.D Vial: 1
Acq On : 5 Jul 2007 1:26 pm Operator: danat
Sample : ic562-40 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

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







(22) TERTIARY BUTYL ALCOHOL (m)

6.41min 2.31PPBV

response 100889

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

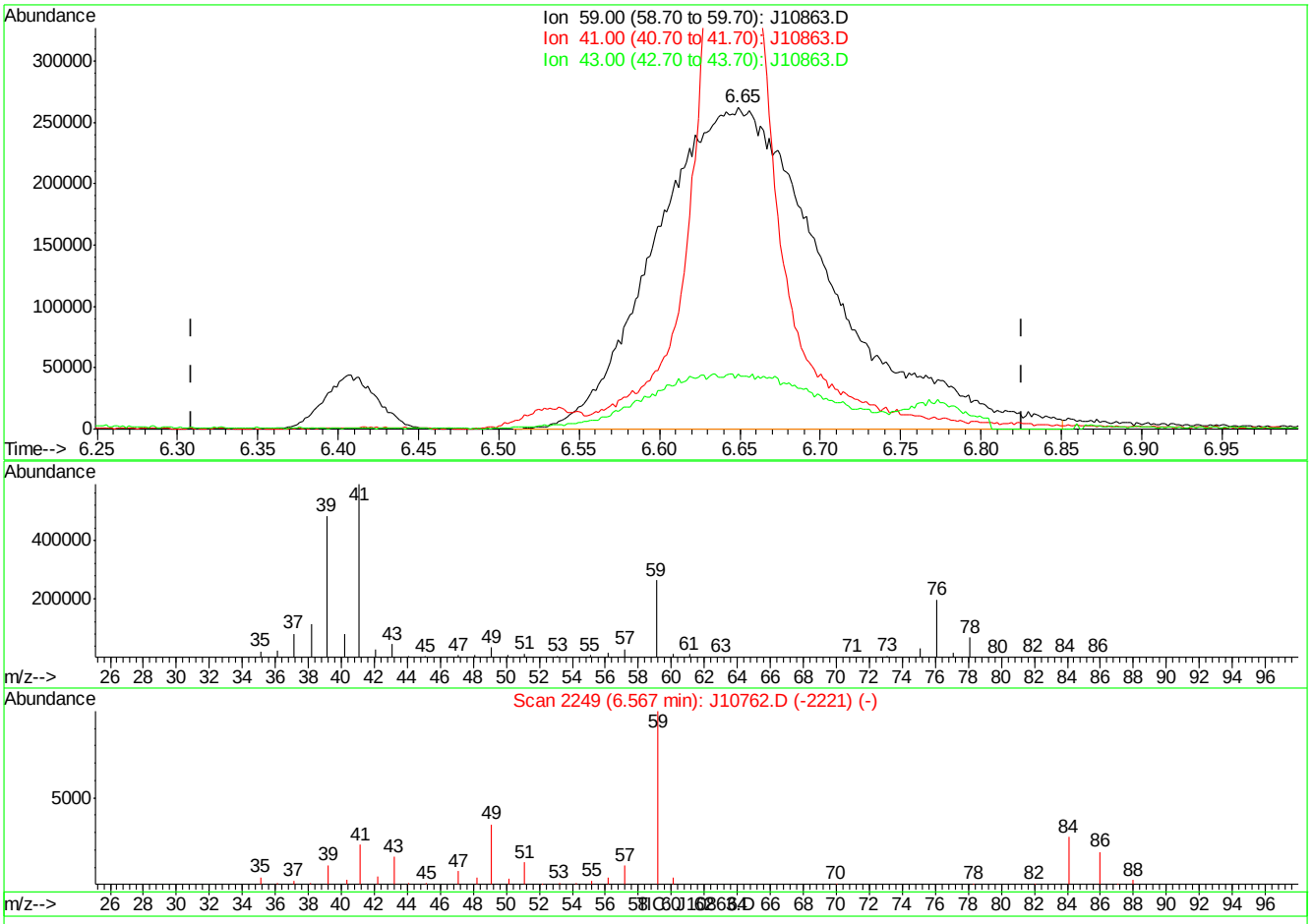
J10863.D J070507T.M Thu Jul 05 13:57:43 2007

Quantitation Report (Qedit)

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

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

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



(22) TERTIARY BUTYL ALCOHOL (m)

6.65min 44.82PPBV m

response 1955300

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

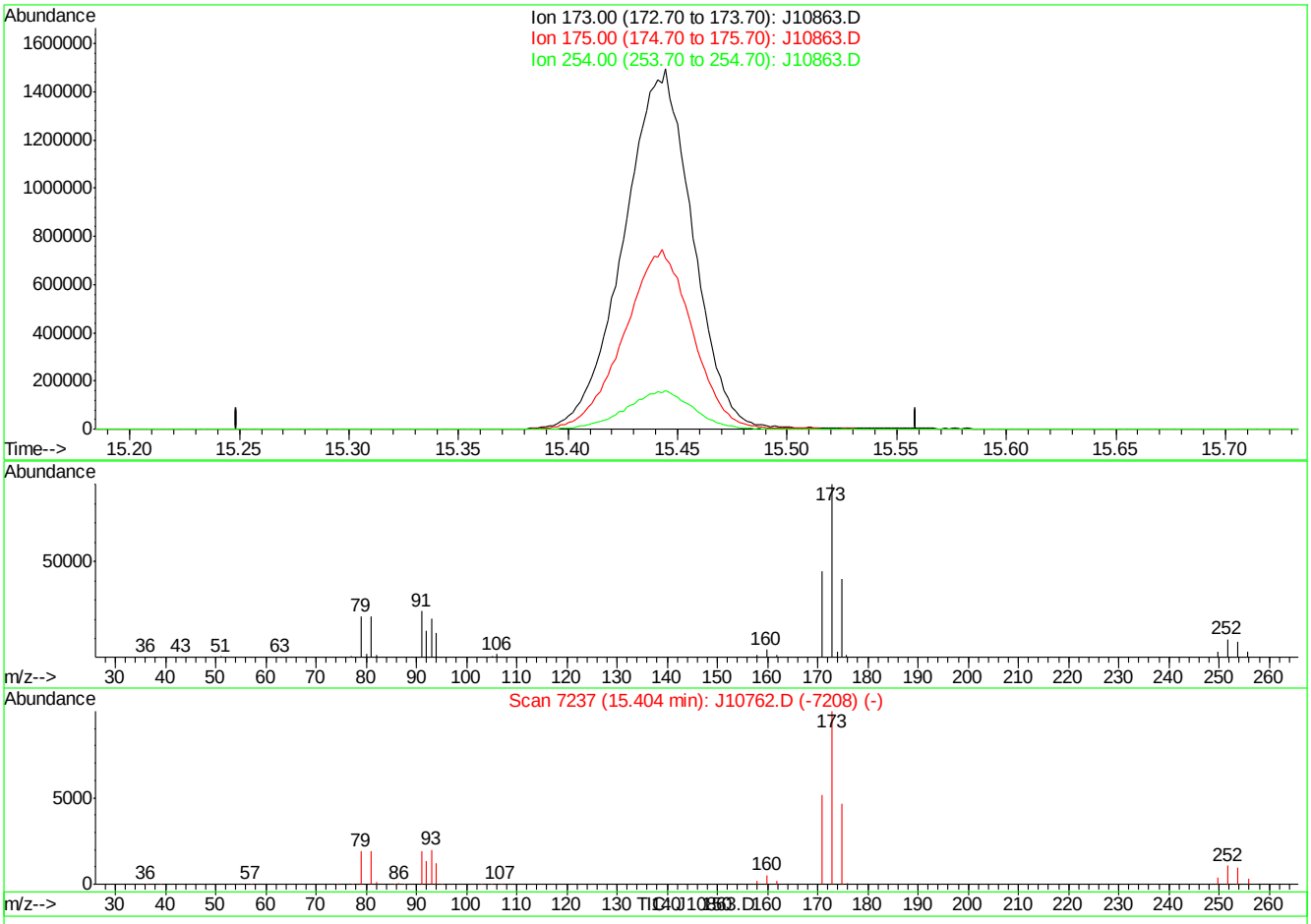
J10863.D J070507T.M Thu Jul 05 13:57:49 2007

Quantitation Report (Qedit)

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

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

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



(60) BROMOFORM (m)

15.40min 0.00PPBV

response 0

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

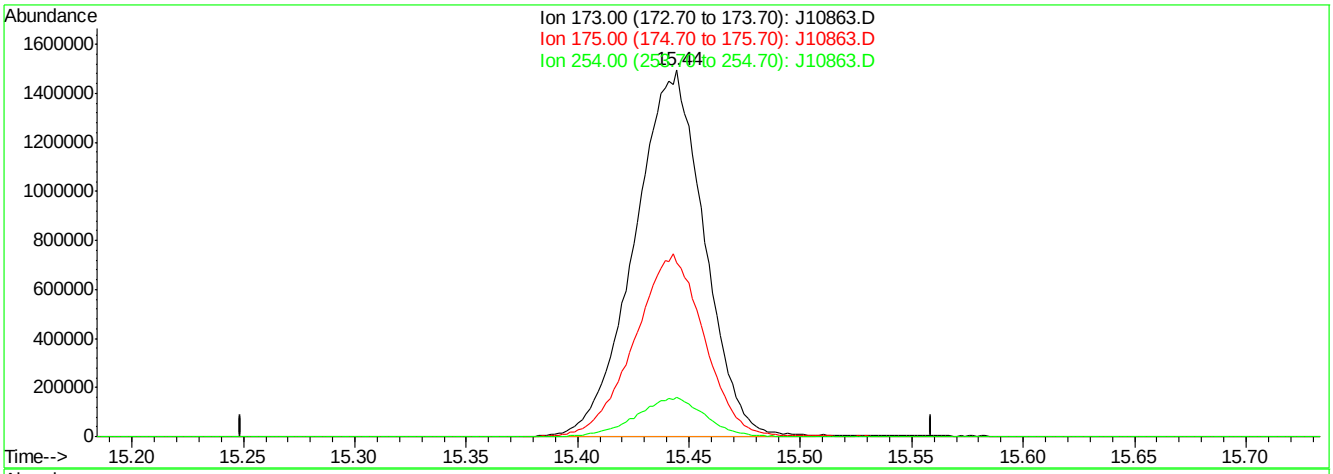
J10863.D J070507T.M Thu Jul 05 13:58:23 2007

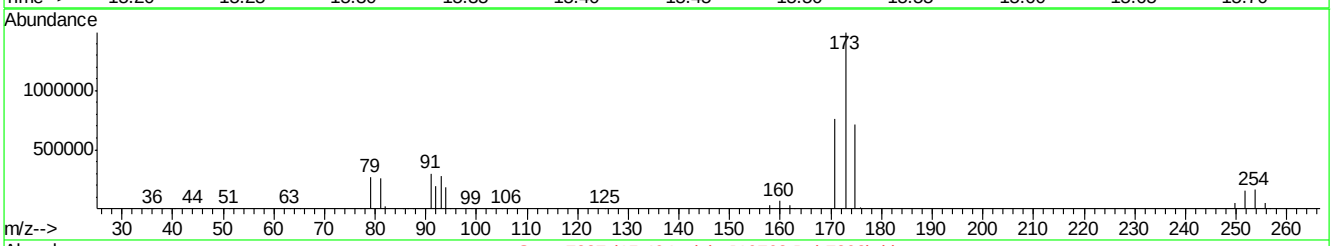
Quantitation Report (Qedit)

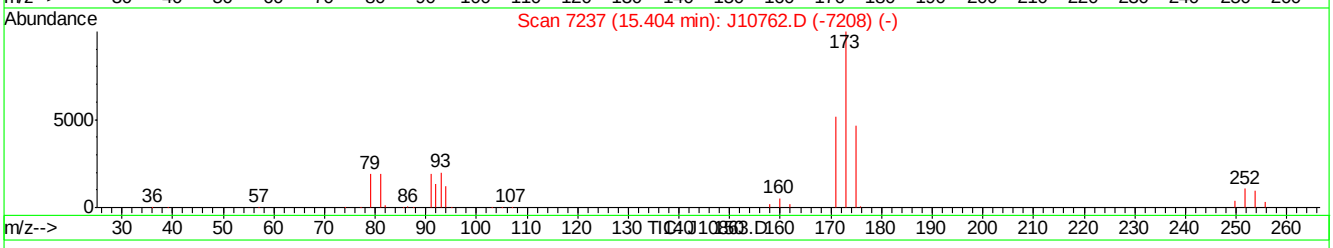
Data File : C:\MSDChem\1\data\J10863.D Vial: 1
Acq On : 5 Jul 2007 1:26 pm Operator: danat
Sample : ic562-40 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

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







(60) BROMOFORM (m)

15.44min 49.55PPBV m

response 3253840

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

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

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

Quantitation Report (QT Reviewed)

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

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

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

Quantitation Report (QT Reviewed)

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

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

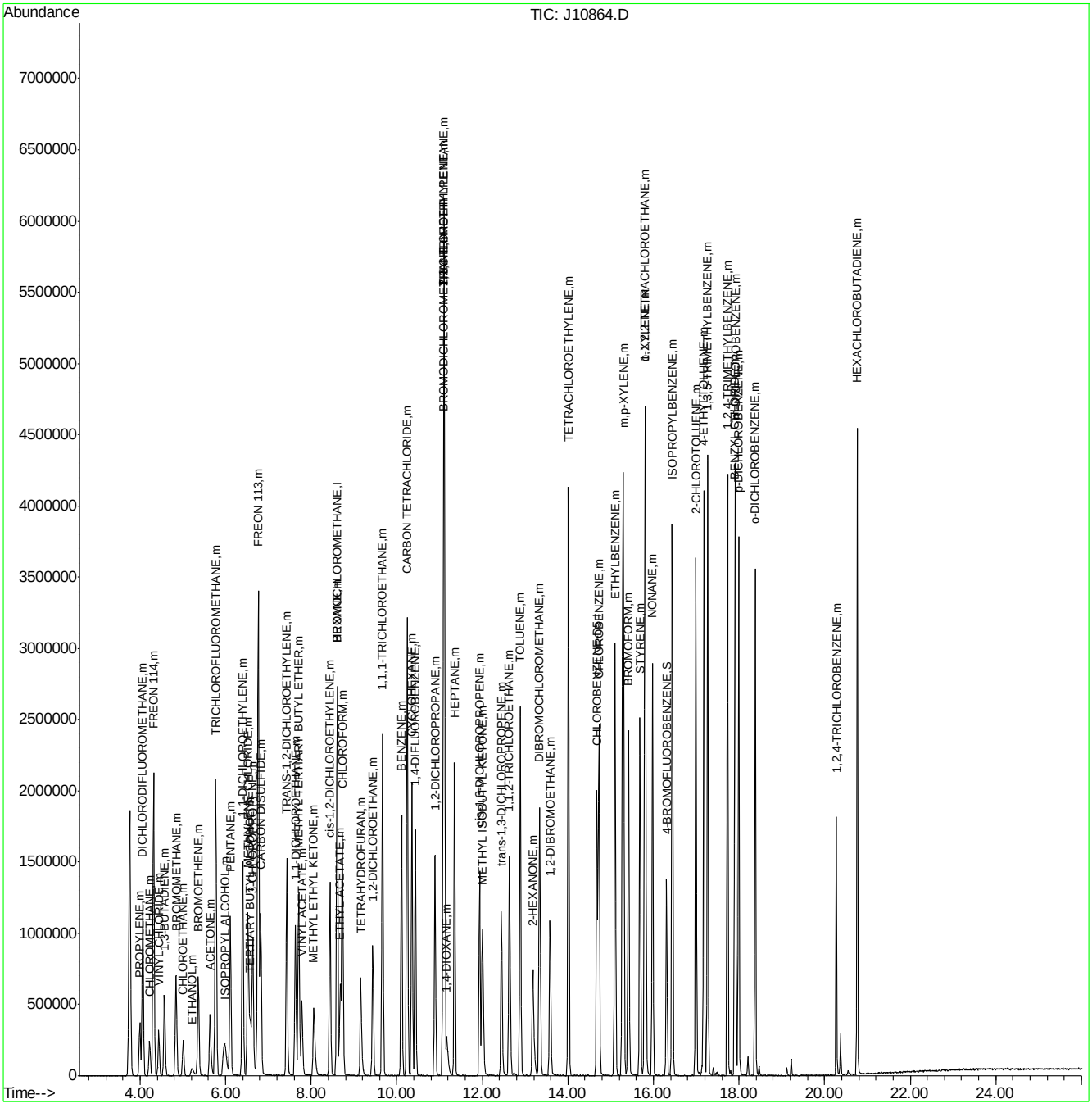
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.00	43	1043161	24.23	PPBV	99
45) cis-1,3-DICHLOROPROPENE	11.93	75	842953	26.03	PPBV	98
46) TOLUENE	12.89	92	1184576	25.13	PPBV	100
47) trans-1,3-DICHLOROPROPENE	12.45	75	814312m	27.09	PPBV	
48) 1,1,2-TRICHLOROETHANE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

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

Quantitation Report (QT Reviewed)

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

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



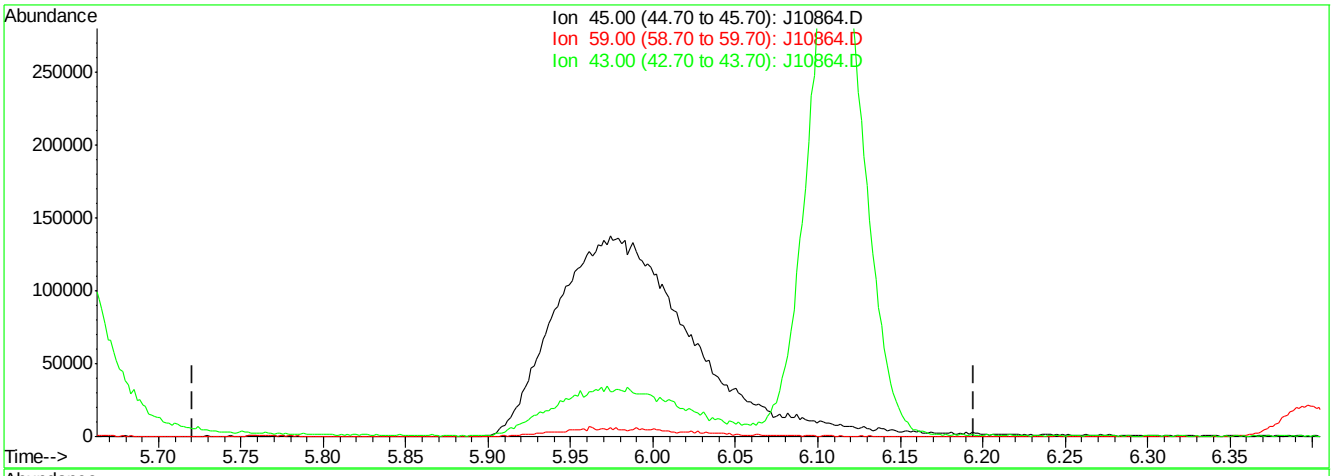
ACCUTEST Laboratories M66993

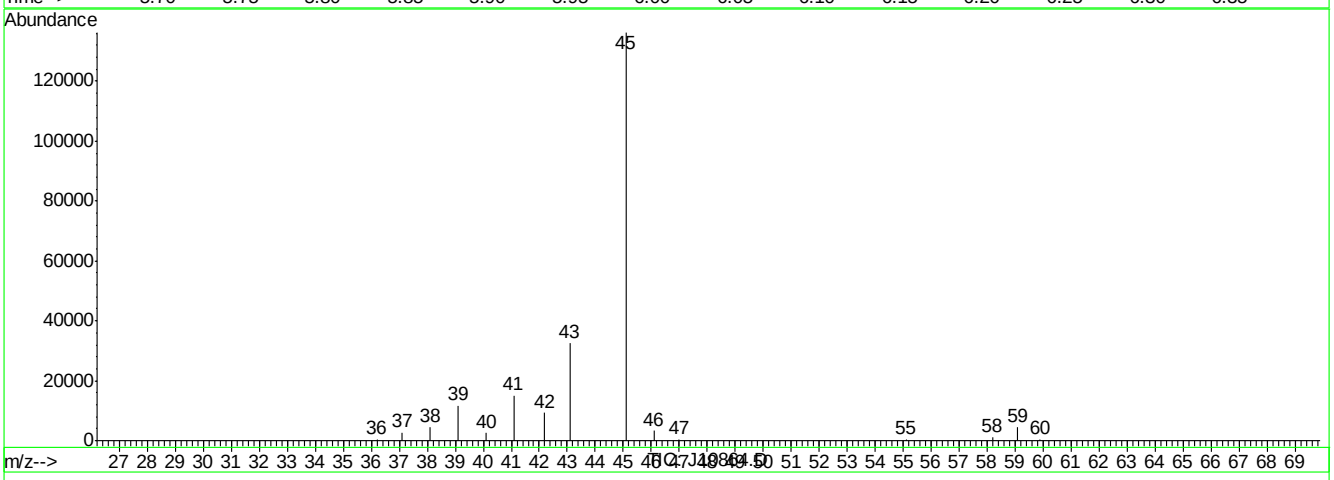
Quantitation Report (Qedit)

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

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

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





(11) ISOPROPYL ALCOHOL (m)

5.98min 0.00PPBV

response 0

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

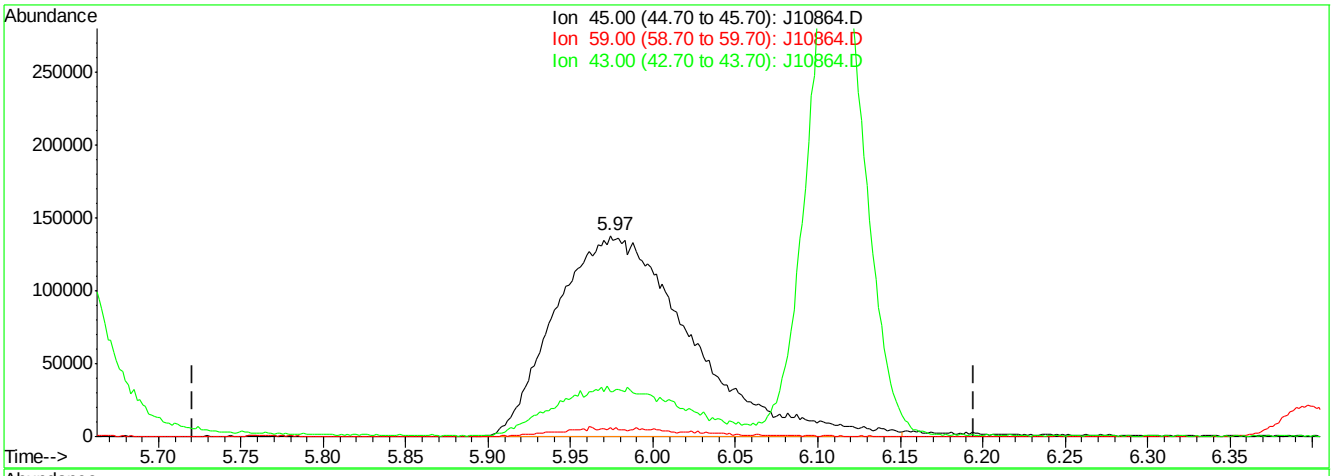
J10864.D J070507T.M Thu Jul 05 15:01:08 2007

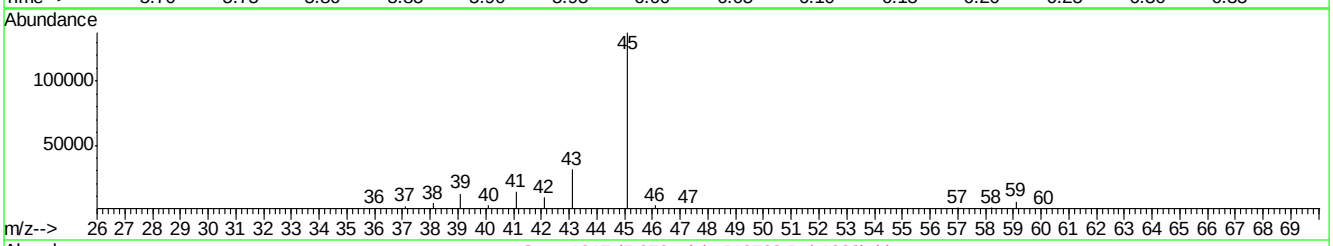
Quantitation Report (Qedit)

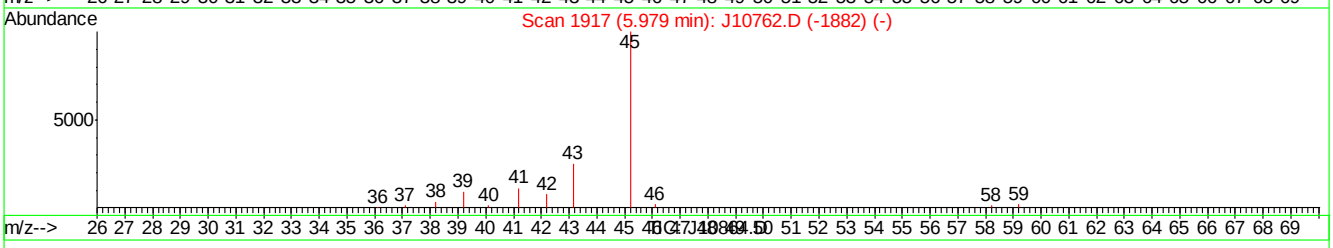
Data File : C:\MSDChem\1\data\J10864.D Vial: 1
Acq On : 5 Jul 2007 2:22 pm Operator: danat
Sample : ic562-20 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

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







(11) ISOPROPYL ALCOHOL (m)

5.97min 18.98PPBV m

response 785813

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

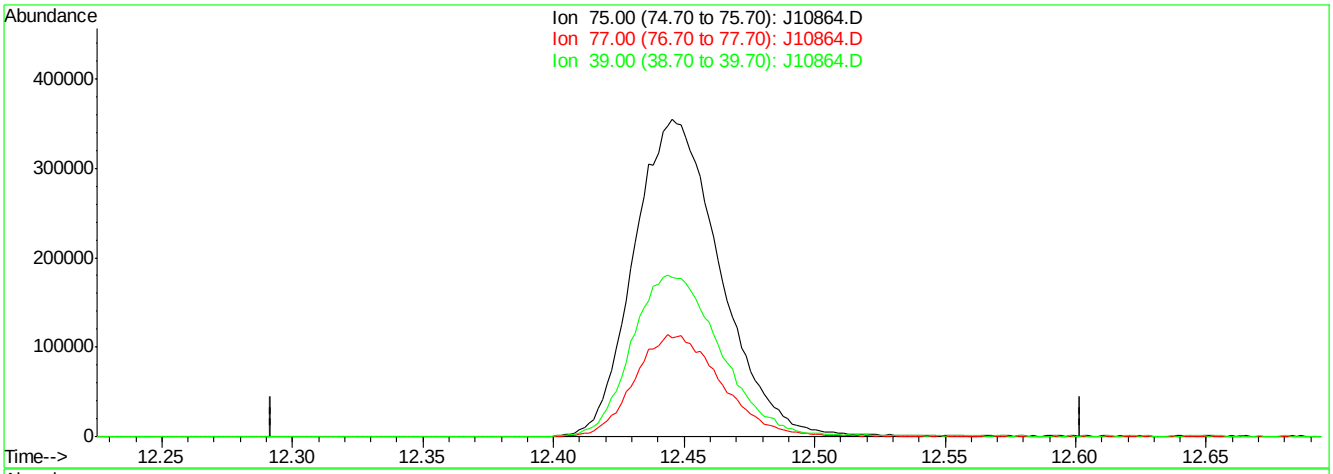
J10864.D J070507T.M Thu Jul 05 15:01:16 2007

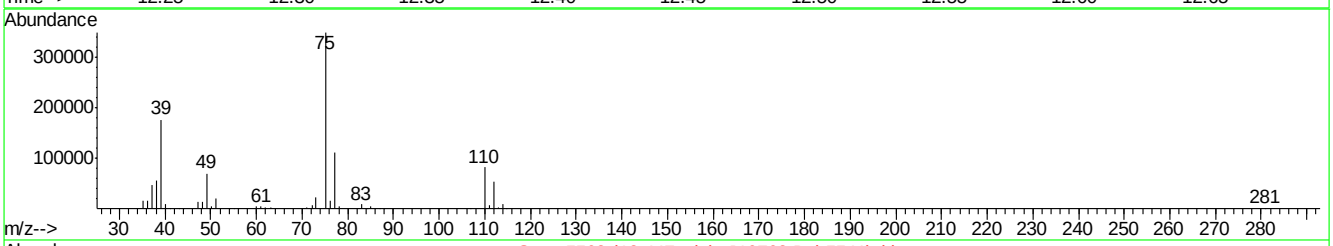
Quantitation Report (Qedit)

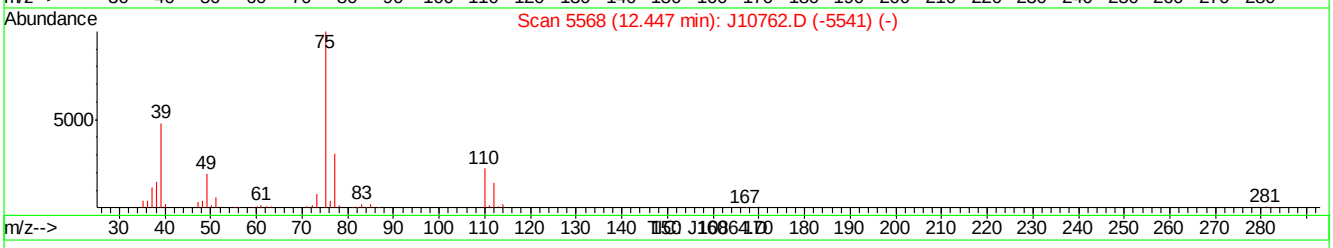
Data File : C:\MSDChem\1\data\J10864.D Vial: 1
Acq On : 5 Jul 2007 2:22 pm Operator: danat
Sample : ic562-20 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

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







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

12.45min 0.00PPBV

response 0

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

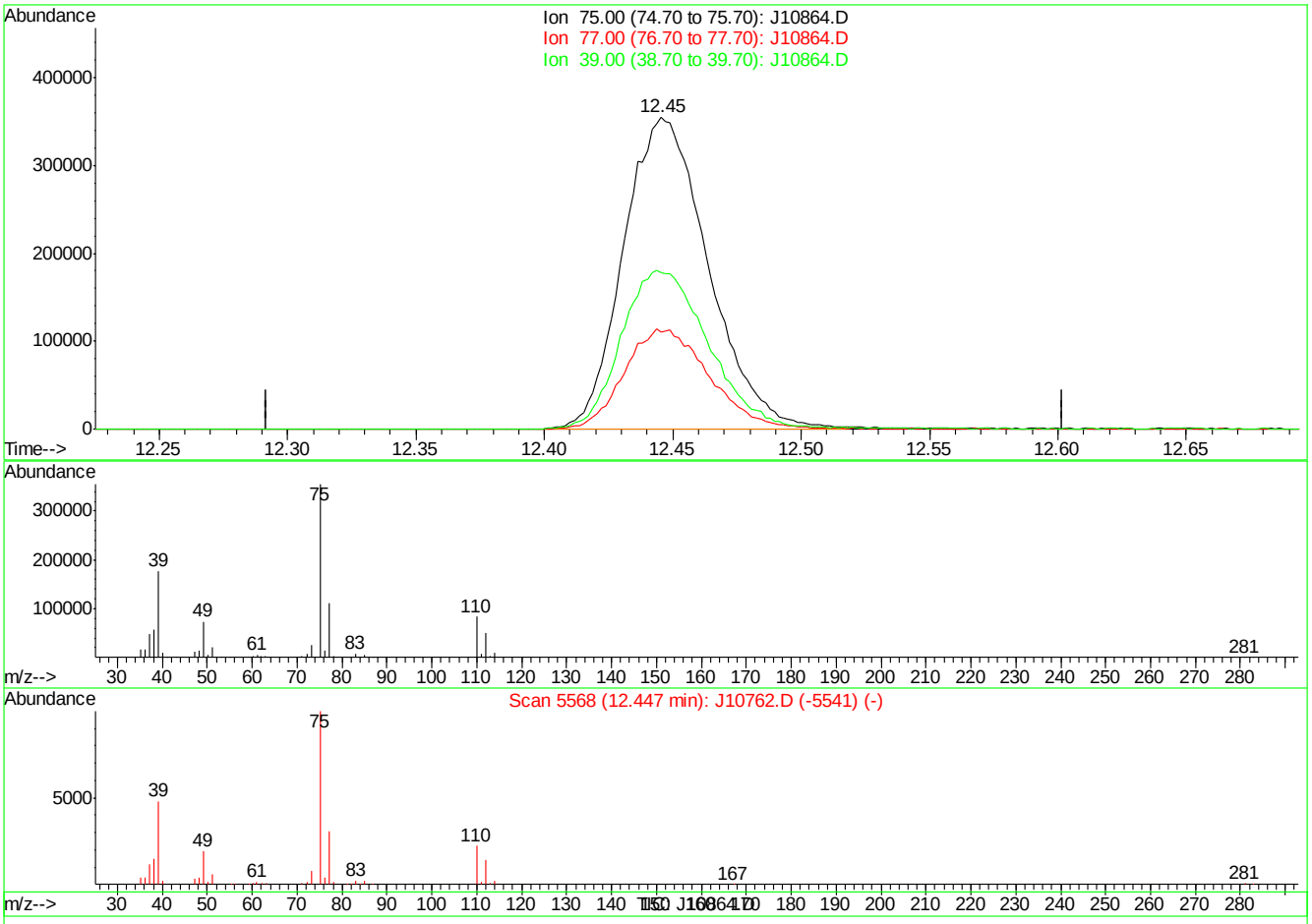
J10864.D J070507T.M Thu Jul 05 15:01:49 2007

Quantitation Report (Qedit)

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

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

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



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

12.45min 27.09PPBV m

response 814312

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

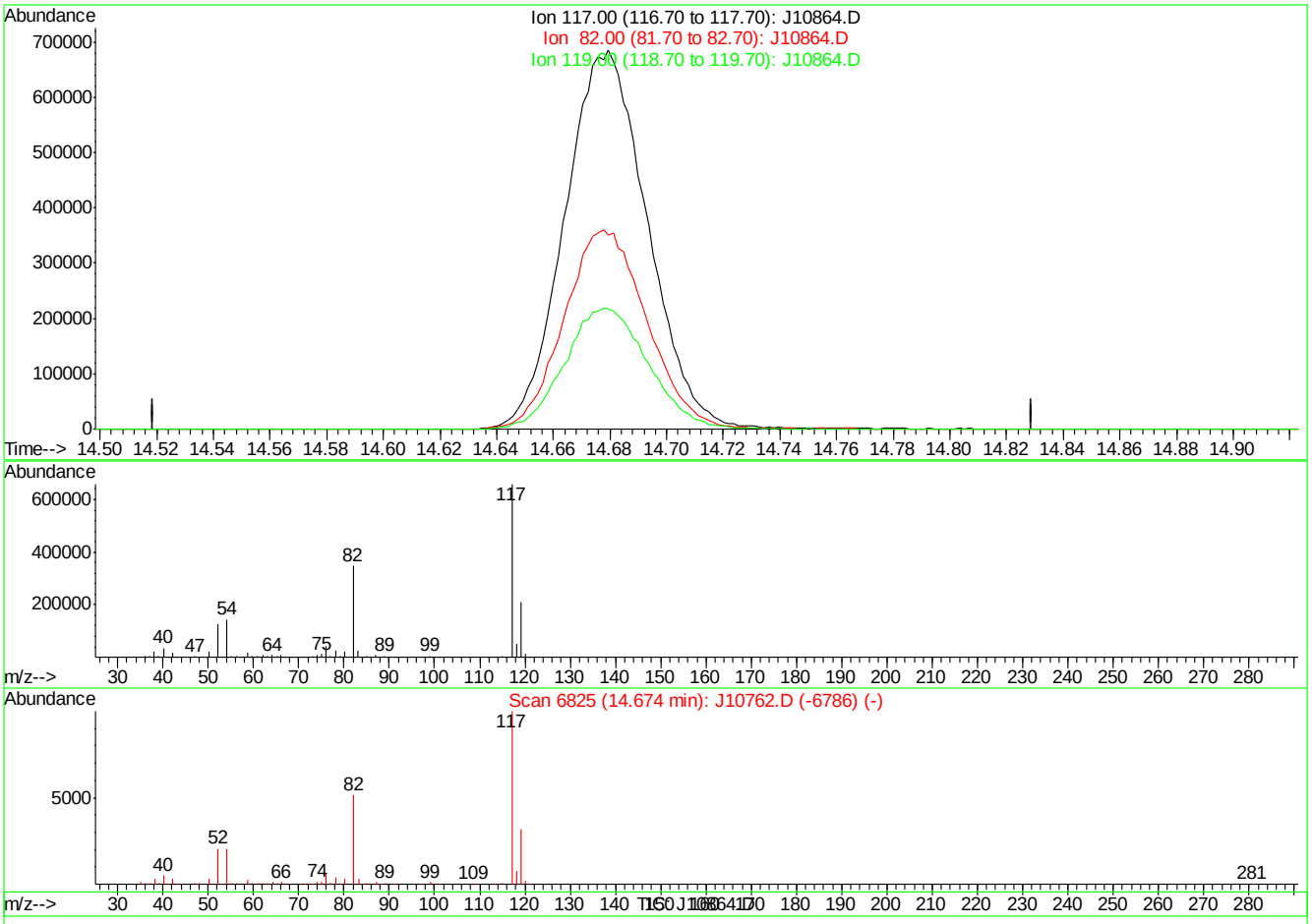
J10864.D J070507T.M Thu Jul 05 15:01:55 2007

Quantitation Report (Qedit)

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

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

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



(49) CHLOROBENZENE-D5 (I)

14.67min 0.00PPBV

response 0

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

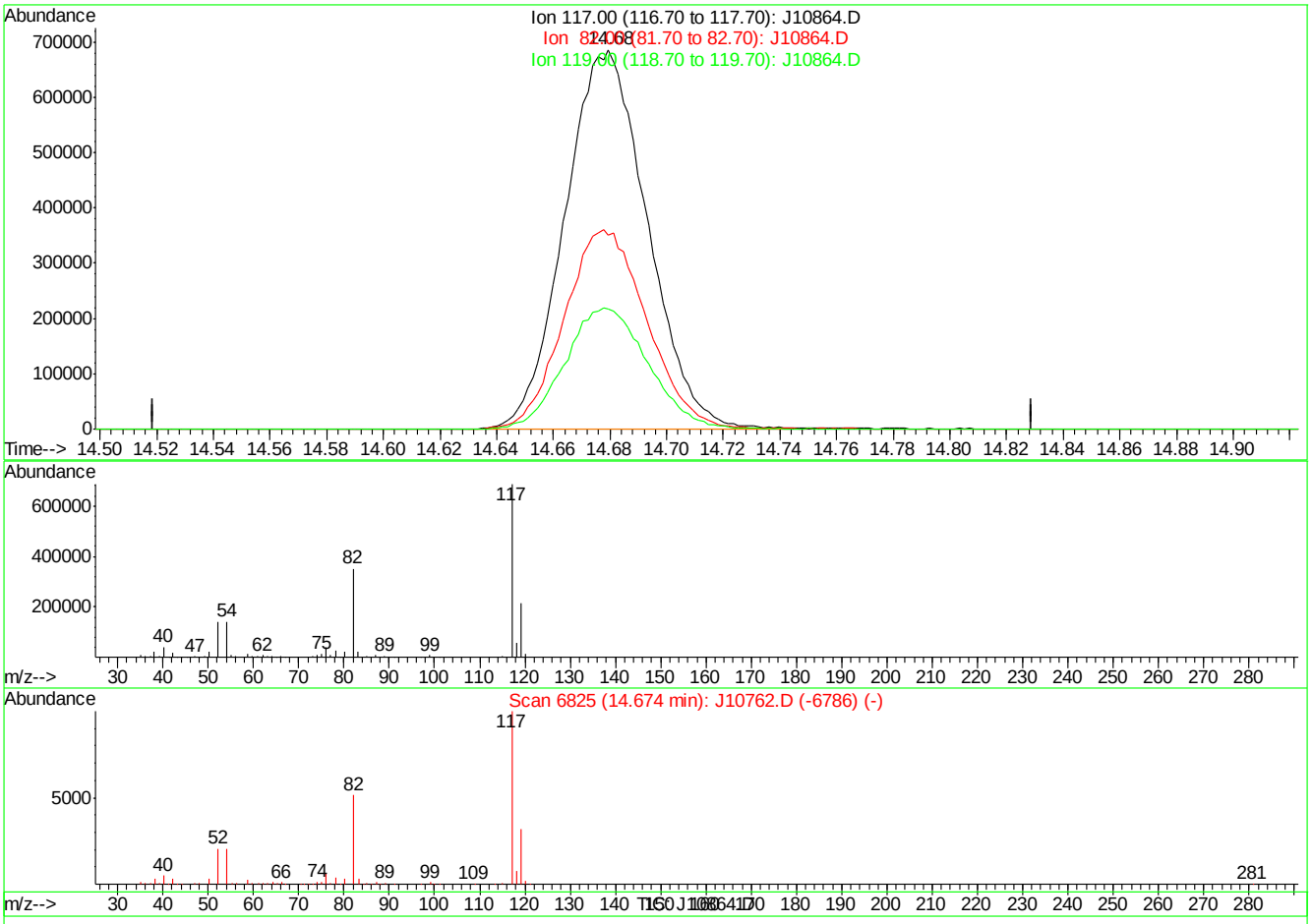
J10864.D J070507T.M Thu Jul 05 15:02:00 2007

Quantitation Report (Qedit)

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

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

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



(49) CHLOROBENZENE-D5 (I)

14.68min 10.00PPBV m

response 1386139

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

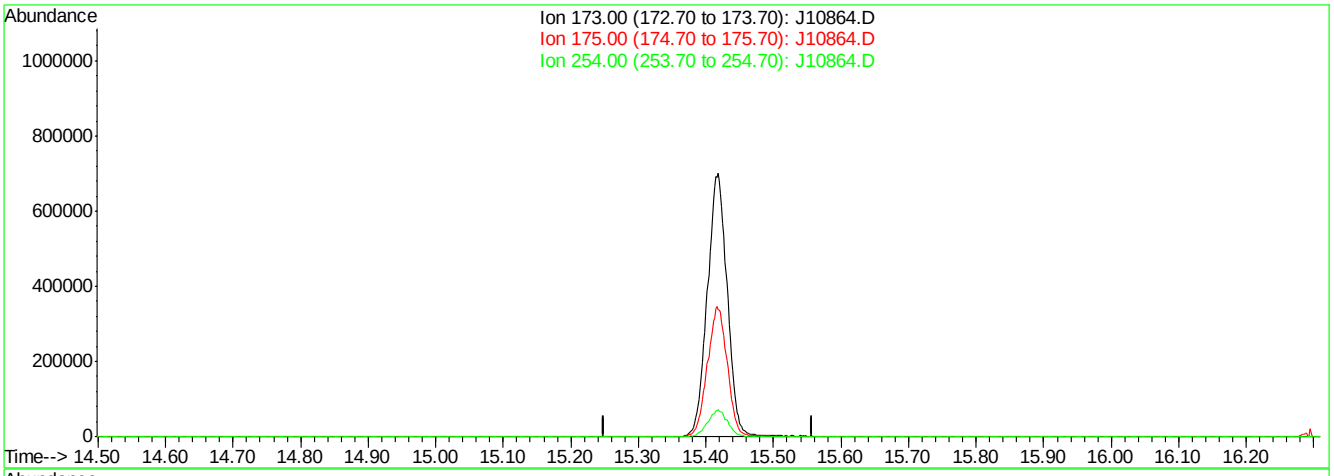
J10864.D J070507T.M Thu Jul 05 15:02:05 2007

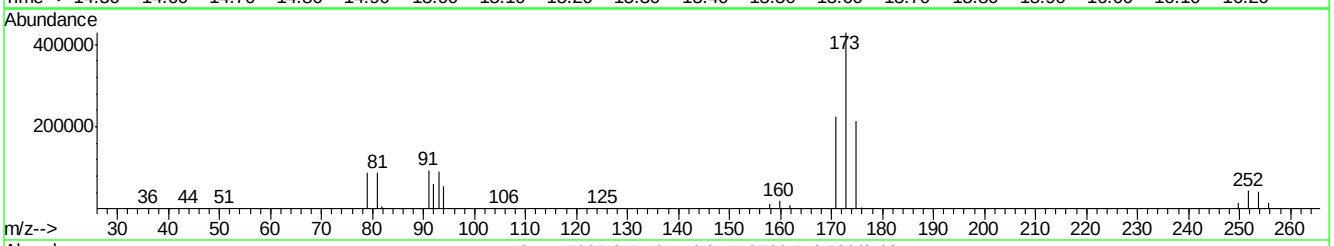
Quantitation Report (Qedit)

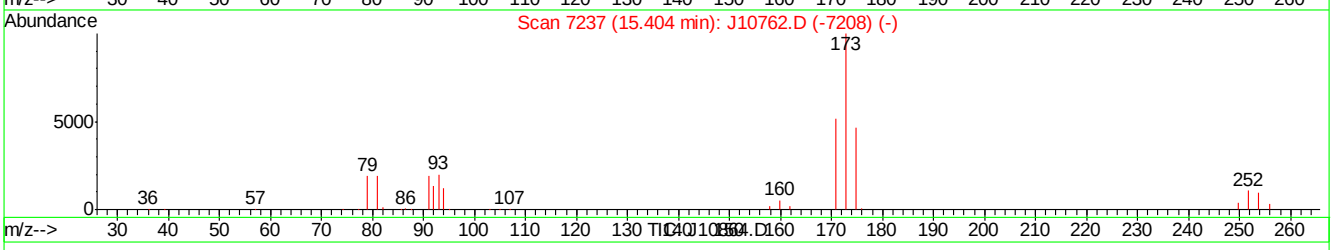
Data File : C:\MSDChem\1\data\J10864.D Vial: 1
Acq On : 5 Jul 2007 2:22 pm Operator: danat
Sample : ic562-20 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

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







(60) BROMOFORM (m)

15.40min 0.00PPBV

response 0

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

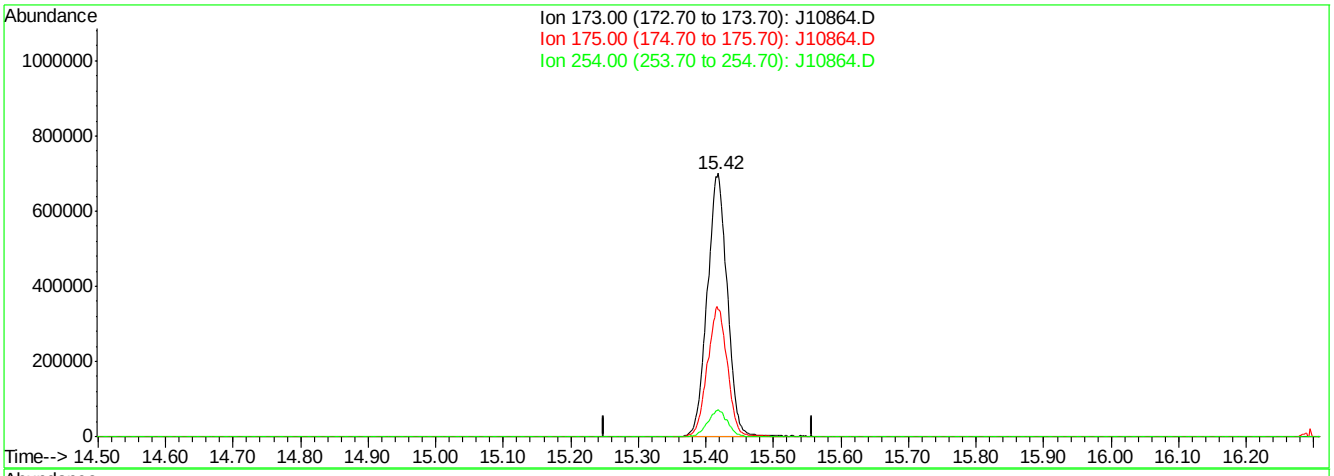
J10864.D J070507T.M Thu Jul 05 15:02:16 2007

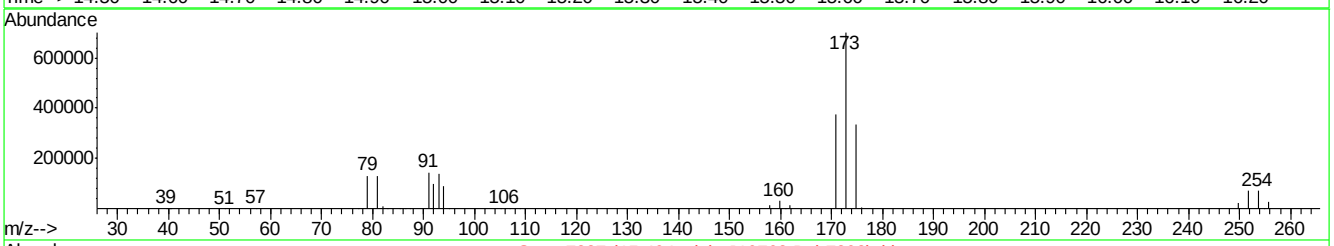
Quantitation Report (Qedit)

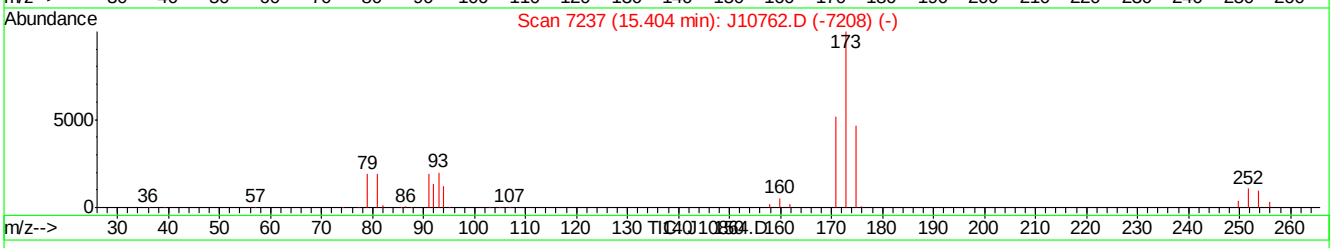
Data File : C:\MSDChem\1\data\J10864.D Vial: 1
Acq On : 5 Jul 2007 2:22 pm Operator: danat
Sample : ic562-20 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

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







(60) BROMOFORM (m)

15.42min 21.65PPBV m

response 1435182

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

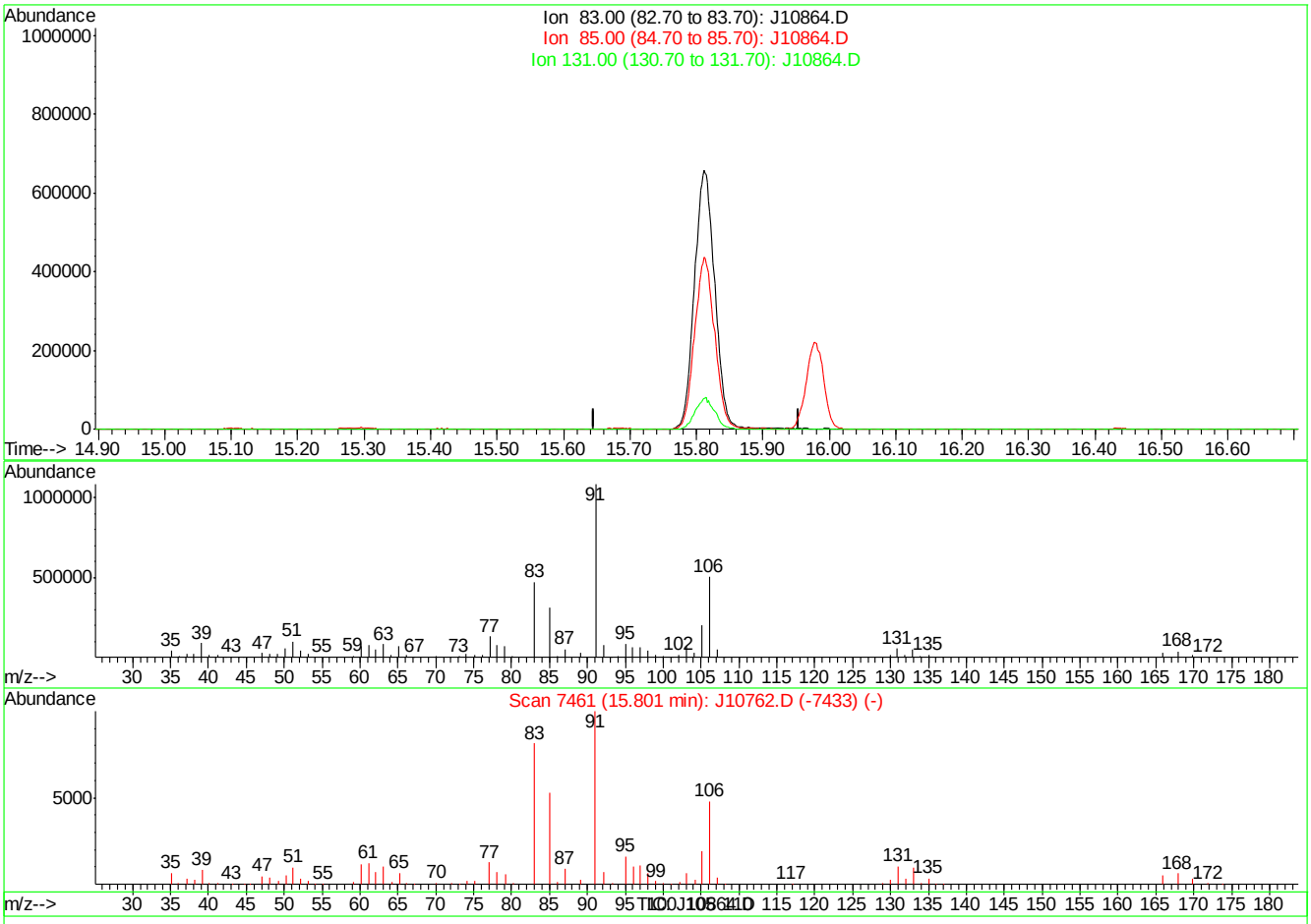
J10864.D J070507T.M Thu Jul 05 15:02:22 2007

Quantitation Report (Qedit)

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

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

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



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

15.80min 0.00PPBV

response 0

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

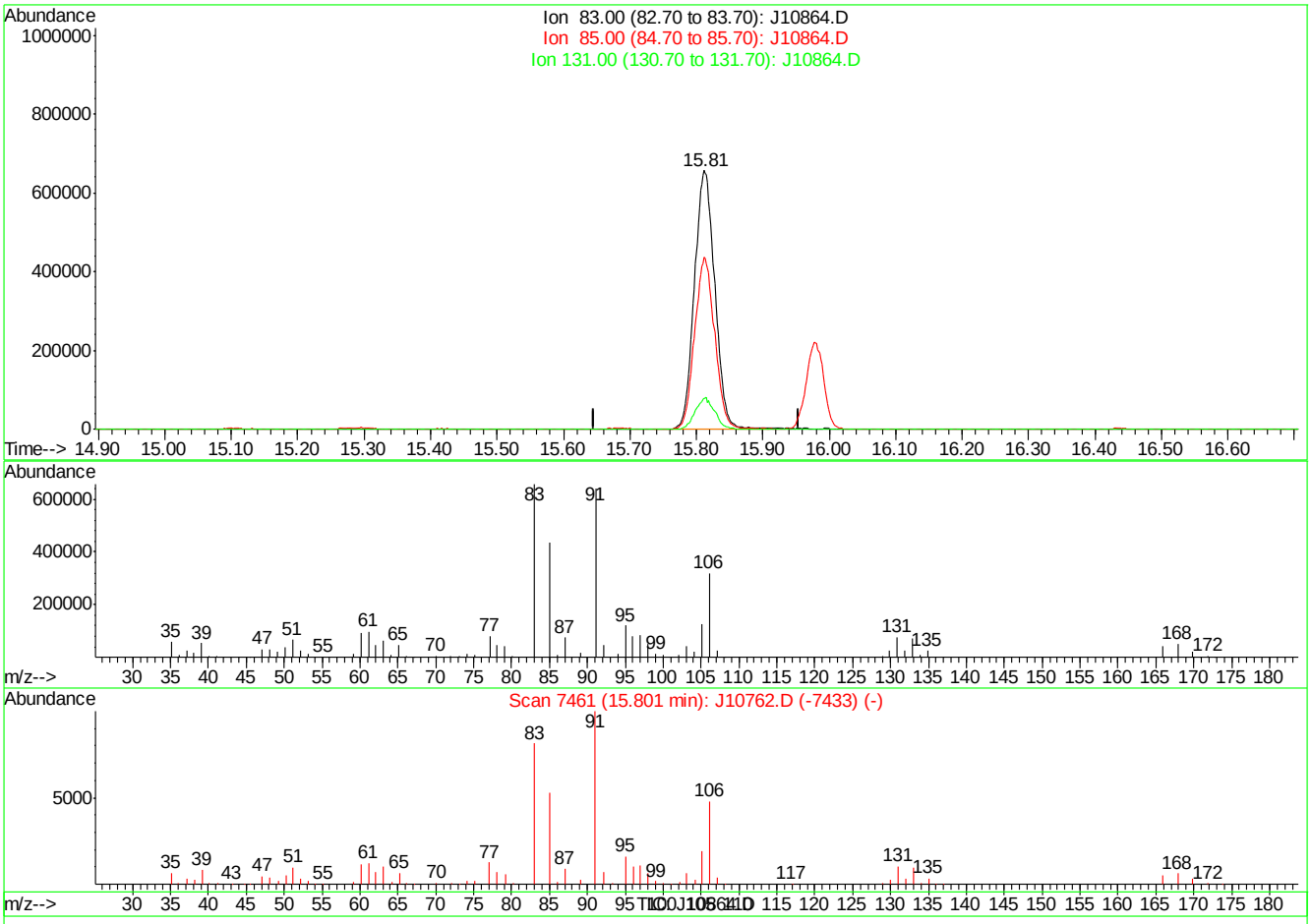
J10864.D J070507T.M Thu Jul 05 15:02:27 2007

Quantitation Report (Qedit)

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

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

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



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

15.81min 23.81PPBV m

response 1397530

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

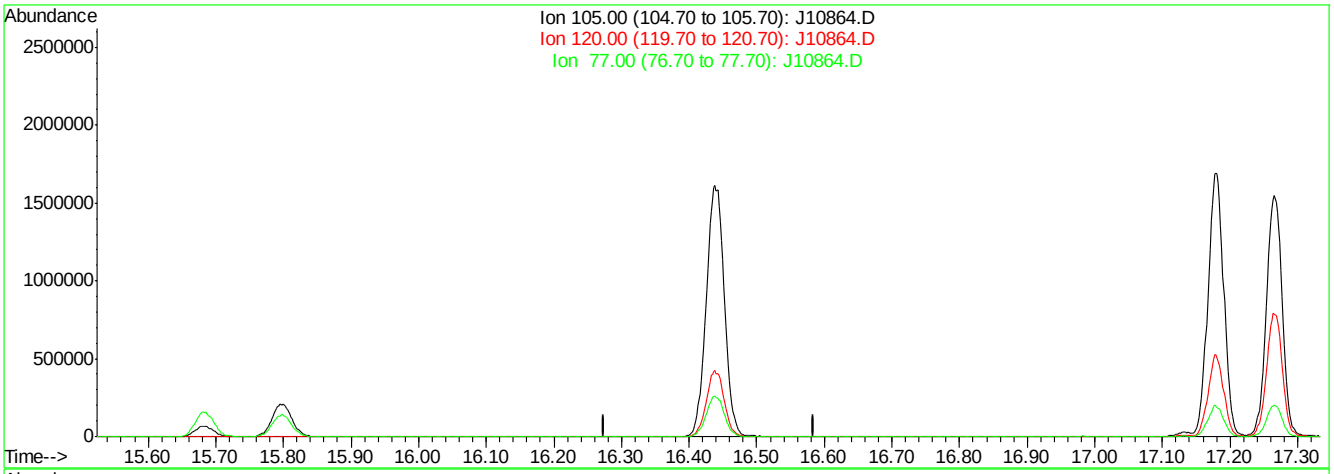
J10864.D J070507T.M Thu Jul 05 15:02:31 2007

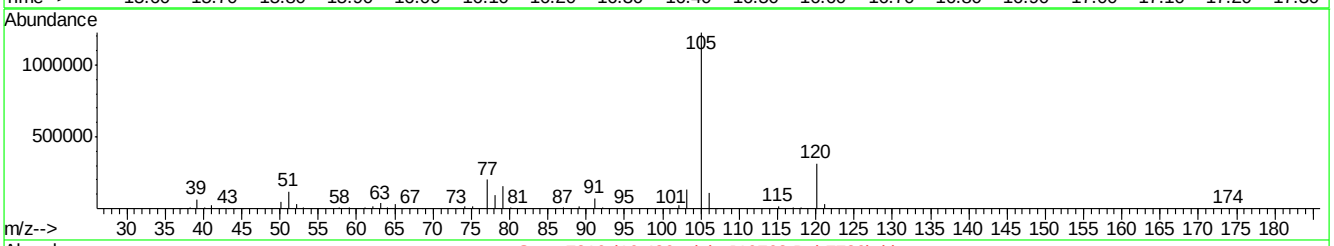
Quantitation Report (Qedit)

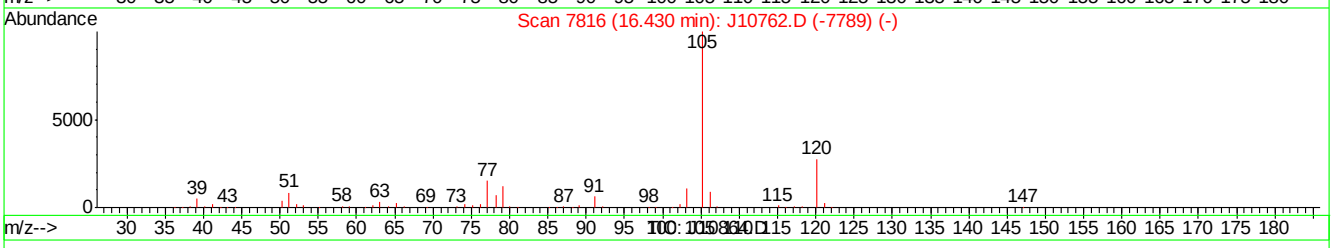
Data File : C:\MSDChem\1\data\J10864.D Vial: 1
Acq On : 5 Jul 2007 2:22 pm Operator: danat
Sample : ic562-20 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

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







(63) ISOPROPYLBENZENE (m)

16.43min 0.00PPBV

response 0

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

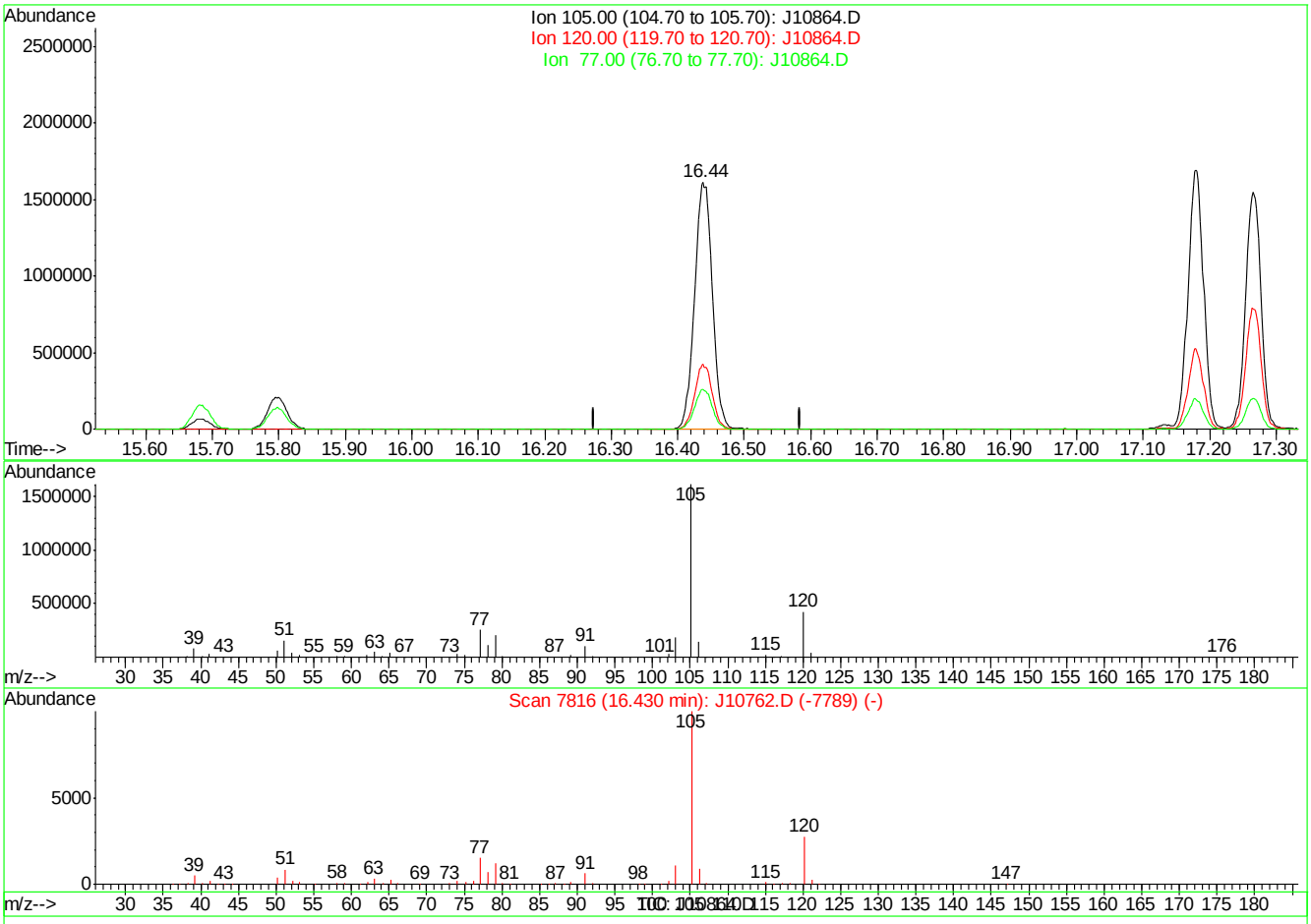
J10864.D J070507T.M Thu Jul 05 15:02:37 2007

Quantitation Report (Qedit)

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

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

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



(63) ISOPROPYLBENZENE (m)

16.44min 27.03PPBV m

response 2993529

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

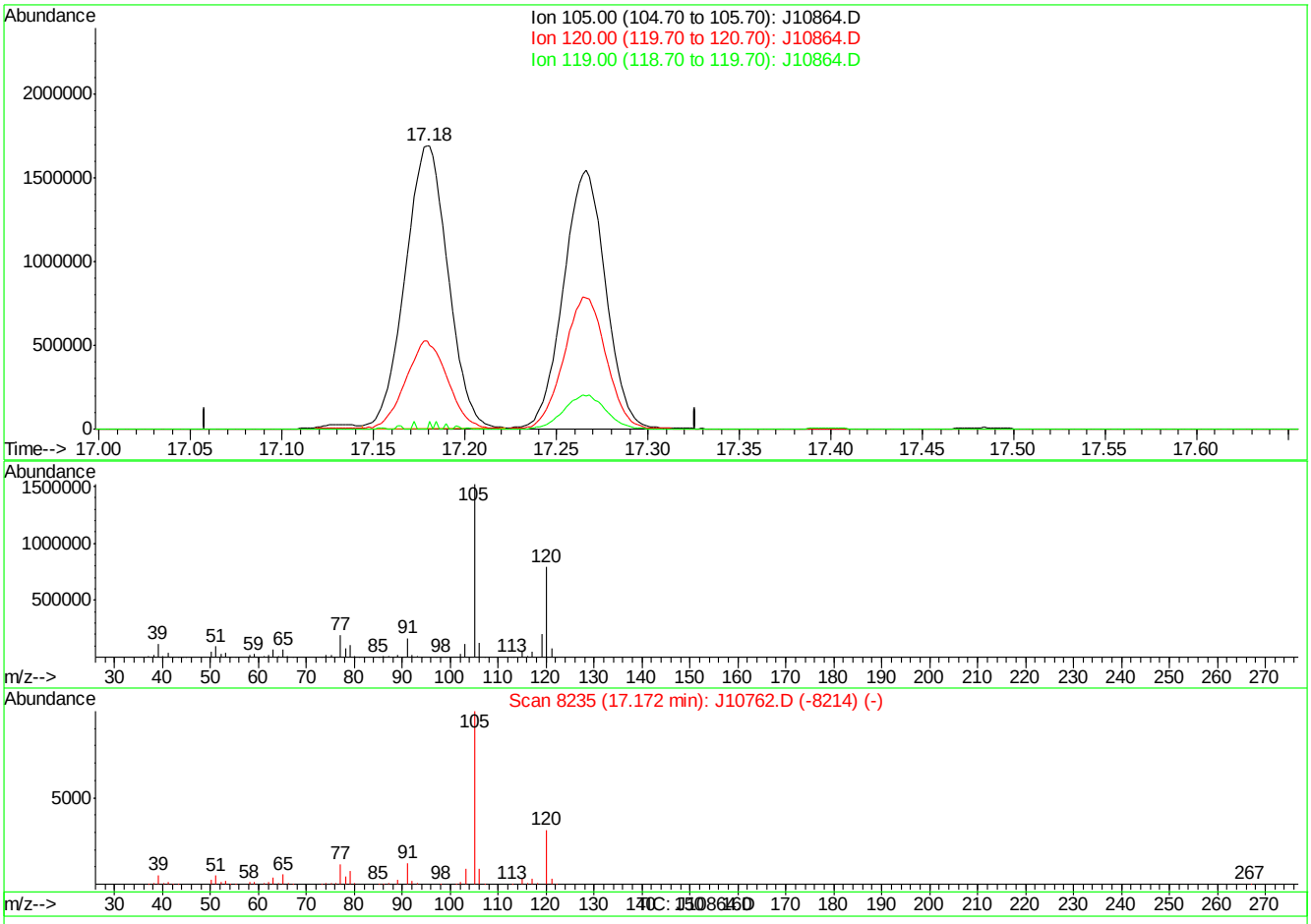
J10864.D J070507T.M Thu Jul 05 15:02:41 2007

Quantitation Report (Qedit)

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

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

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



(65) 4-ETHYLTOLUENE (m)

17.18min 30.08PPBV

response 2740052

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

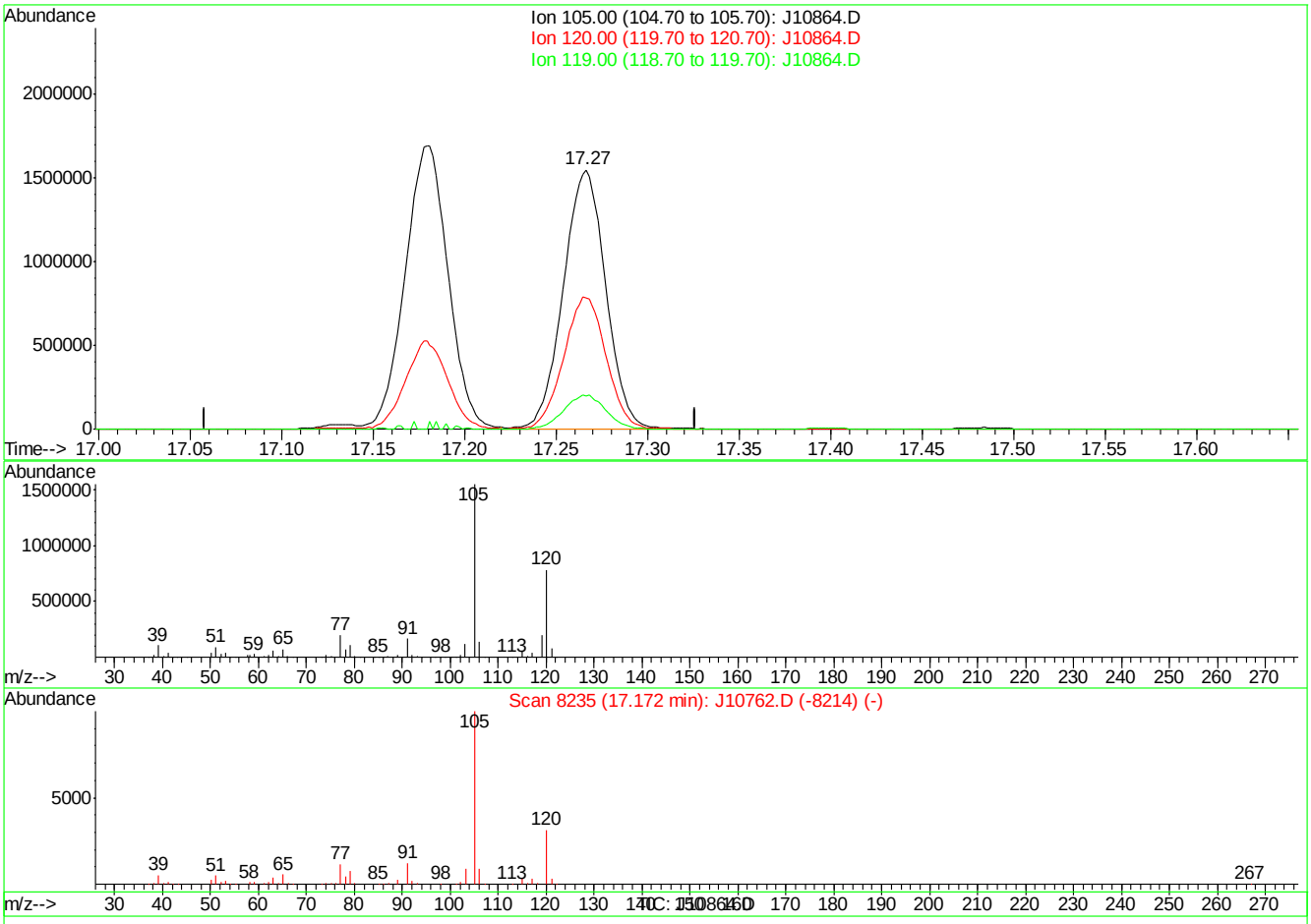
J10864.D J070507T.M Thu Jul 05 15:03:12 2007

Quantitation Report (Qedit)

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

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

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



(65) 4-ETHYLTOLUENE (m)

17.27min 27.55PPBV m

response 2509316

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

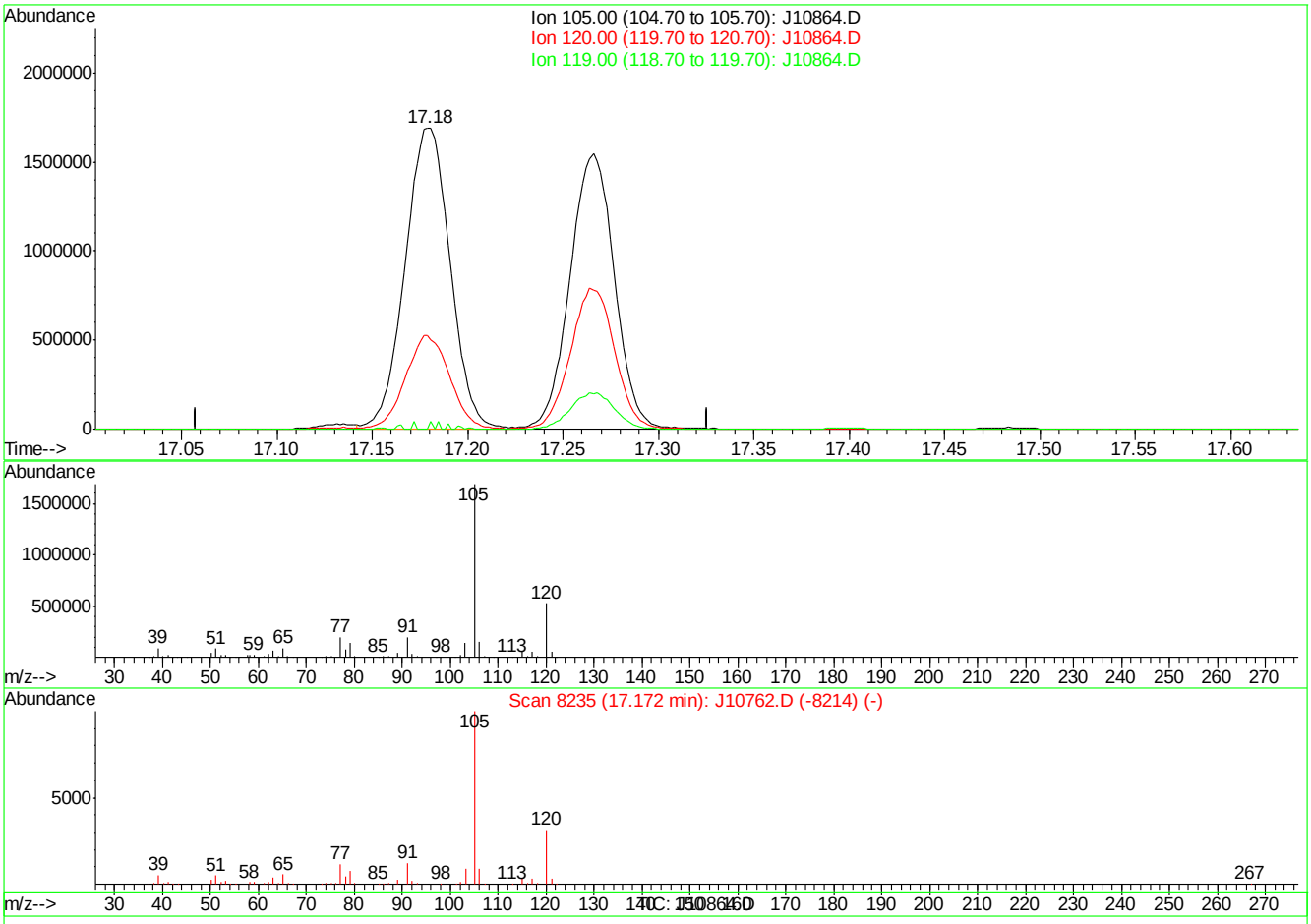
J10864.D J070507T.M Thu Jul 05 15:03:17 2007

Quantitation Report (Qedit)

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

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

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



(65) 4-ETHYLTOLUENE (m)

17.18min 30.46PPBV m

response 2774205

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

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

Quantitation Report (QT Reviewed)

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

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

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

Quantitation Report (QT Reviewed)

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

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

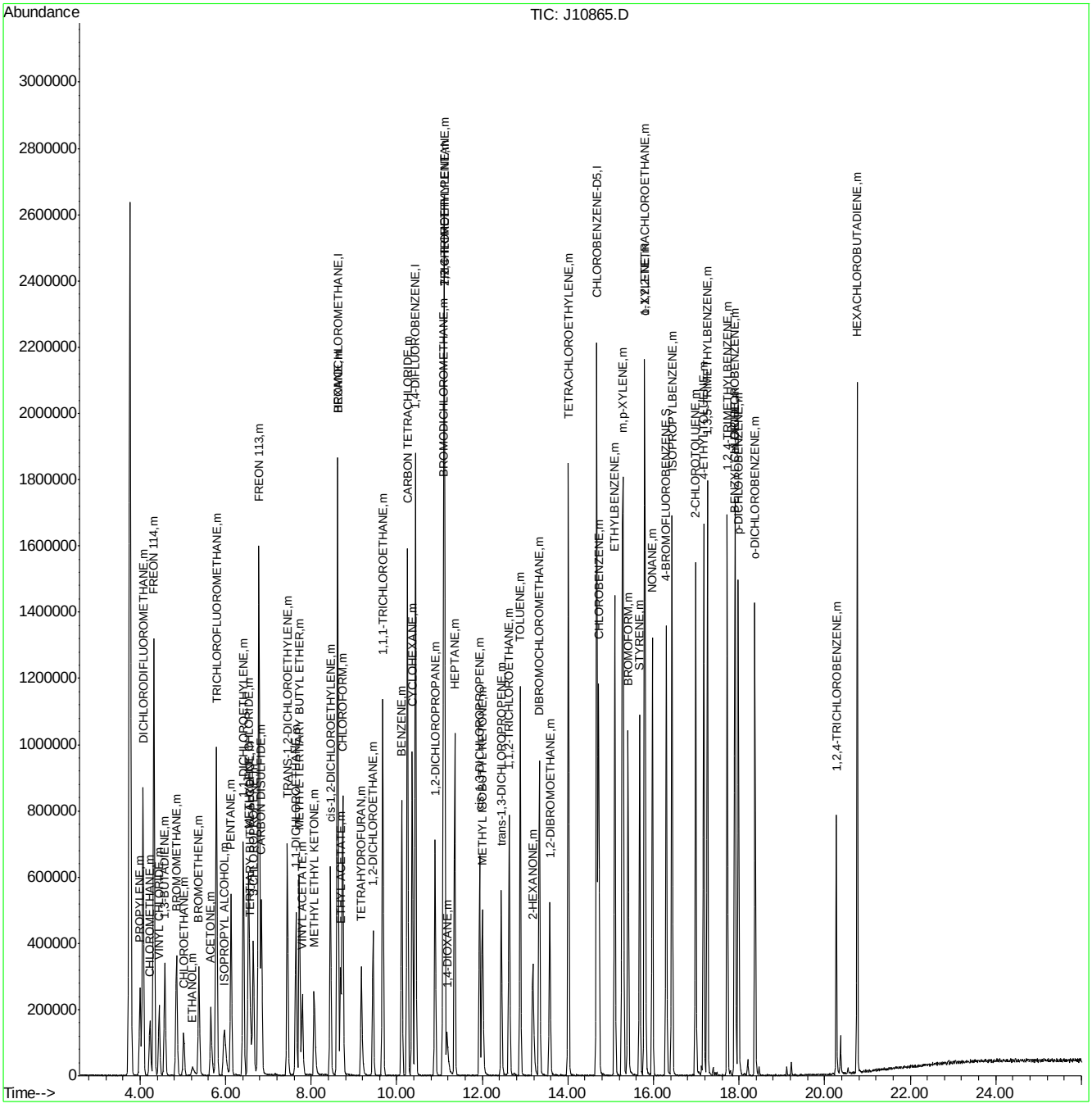
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.00	43	441145	9.32	PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.93	75	340858	11.13	PPBV	98
46) TOLUENE	12.89	92	492562	11.16	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.44	75	328198	11.25	PPBV	97
48) 1,1,2-TRICHLOROETHANE	12.63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

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

Quantitation Report (QT Reviewed)

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

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



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

Quantitation Report (QT Reviewed)

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

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

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

Quantitation Report (QT Reviewed)

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

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

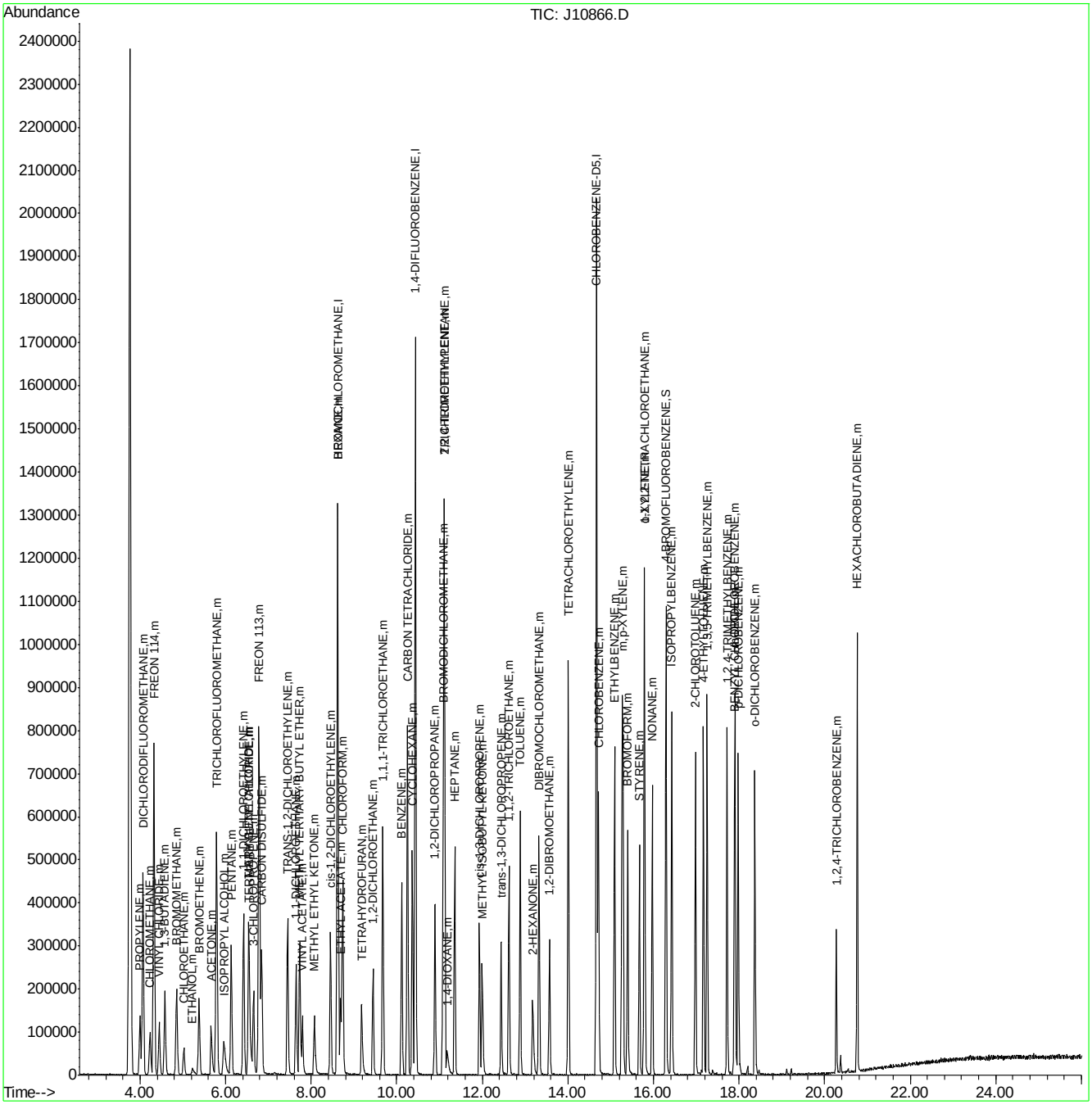
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.00	43	194430	4.81	PPBV	99
45) cis-1,3-DICHLOROPROPENE	11.93	75	172847	5.72	PPBV	98
46) TOLUENE	12.88	92	246964	5.81	PPBV	100
47) trans-1,3-DICHLOROPROPENE	12.44	75	156172	5.49	PPBV	98
48) 1,1,2-TRICHLOROETHANE	12.62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

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

Quantitation Report (QT Reviewed)

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

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



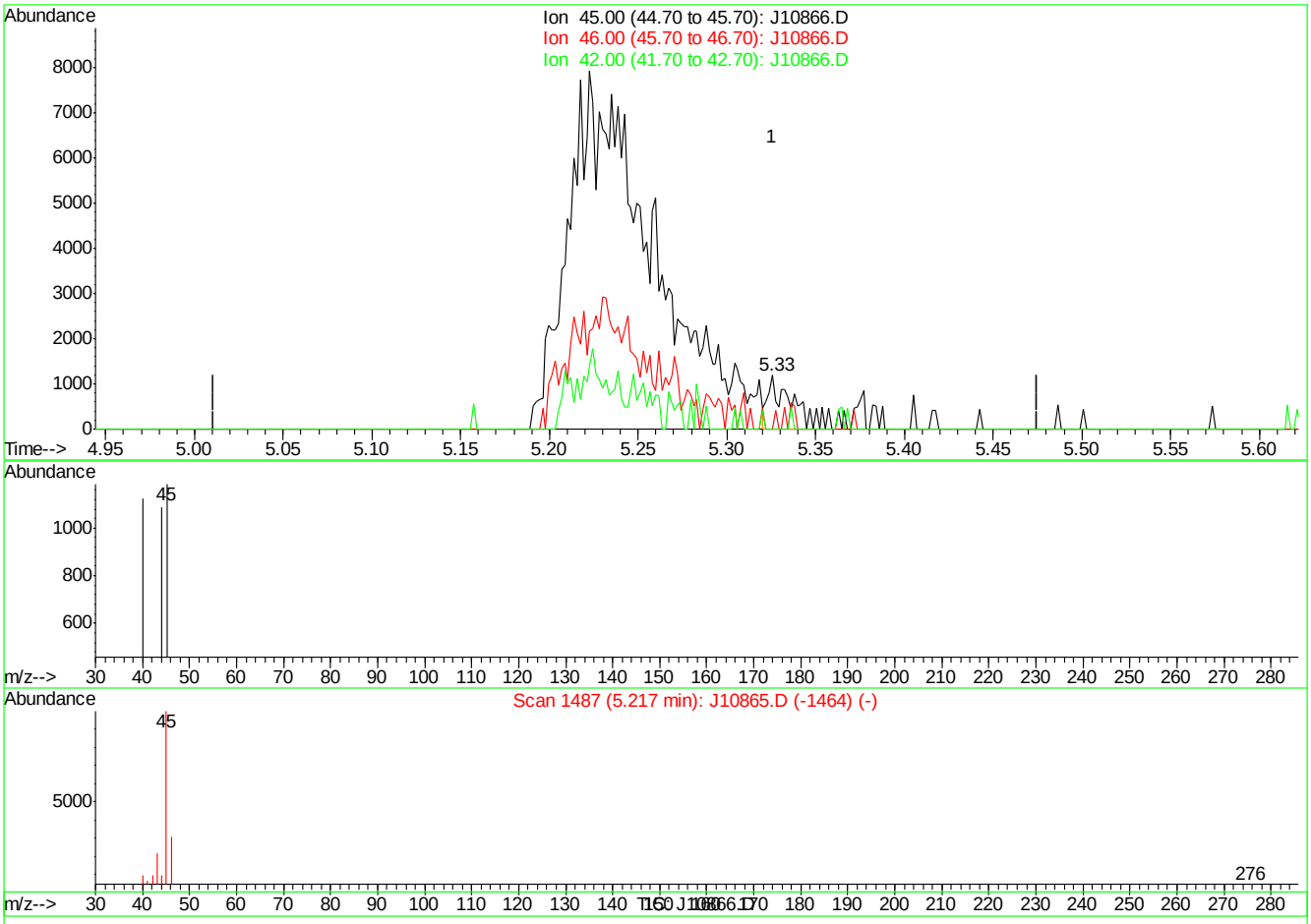
ACCUTEST Laboratories M66993

Quantitation Report (Qedit)

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

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

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



(16) ETHANOL (m)

5.33min 1.20PPBV

response 1013

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

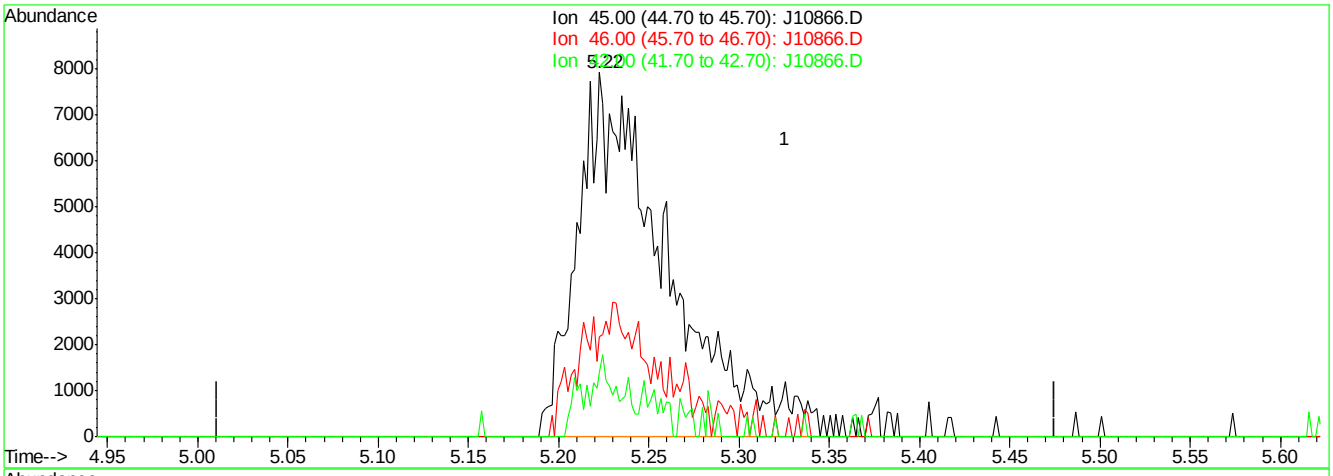
J10866.D J070507T.M Thu Jul 05 16:34:48 2007

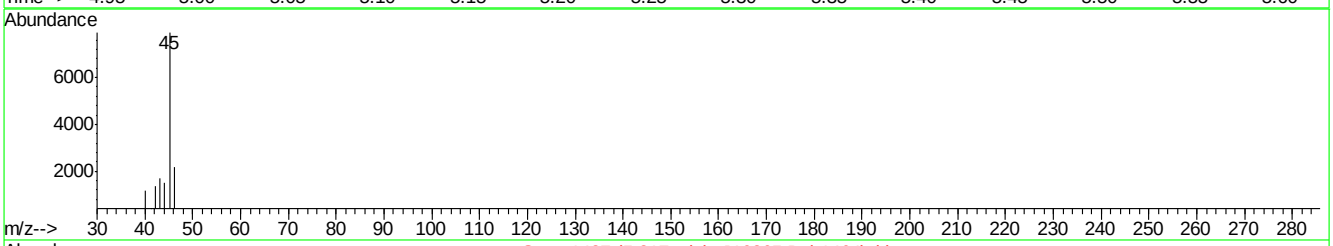
Quantitation Report (Qedit)

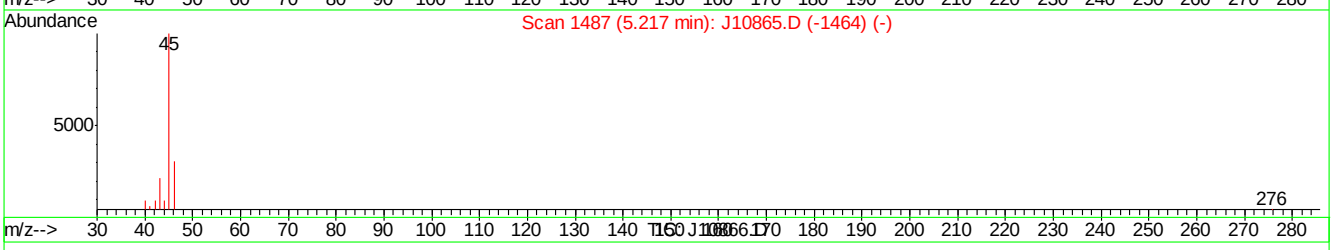
Data File : C:\MSDChem\1\data\J10866.D Vial: 1
Acq On : 5 Jul 2007 4:08 pm Operator: danat
Sample : ic562-5 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

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







(16) ETHANOL (m)

5.22min 5.44PPBV m

response 27044

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

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

J10867.D

Manual Integrations APPROVED (compounds with "m" flag)

Doug Yargeau 07/11/07 09:41

Quantitation Report (QT Reviewed)

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

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	330127	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.43	114	1414347	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.67	117	1160504	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.29	95	334470	4.62	PPBV	-0.01
Spiked Amount 5.000	Range 51 - 142		Recovery = 92.40%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.06	85	229466	2.15	PPBV	99
3) PROPYLENE	4.00	41	35098	2.15	PPBV	93
4) FREON 114	4.32	85	181482	1.89	PPBV	99
5) CHLOROMETHANE	4.24	50	48637	1.96	PPBV	89
6) VINYL CHLORIDE	4.45	62	51618	1.85	PPBV	97
7) 1,3-BUTADIENE	4.58	39	37084	1.87	PPBV	98
8) BROMOMETHANE	4.86	94	59056	1.85	PPBV	99
9) CHLOROETHANE	5.03	64	22813	1.76	PPBV	98
10) TRICHLOROFLUOROMETHANE	5.79	101	201938	1.81	PPBV	100
11) ISOPROPYL ALCOHOL	5.98	45	48377	1.44	PPBV	81
12) ACETONE	5.69	43	57242	1.41	PPBV	99
13) PENTANE	6.14	42	45140	1.72	PPBV	99
14) 1,1-DICHLOROETHYLENE	6.42	96	52848	1.84	PPBV	99
15) CARBON DISULFIDE	6.85	76	173627	1.83	PPBV	98
16) ETHANOL	5.25	45	5804m	1.81	PPBV	
17) BROMOETHENE	5.39	106	50669	1.82	PPBV	98
18) METHYLENE CHLORIDE	6.55	84	54170	1.32	PPBV	96
19) 3-CHLOROPROPENE	6.66	39	37962	1.54	PPBV	93
20) FREON 113	6.79	151	119737	1.69	PPBV	99
21) TRANS-1,2-DICHLOROETHYLENE	7.45	96	49311	1.72	PPBV	99
22) TERTIARY BUTYL ALCOHOL	6.59	59	46528	1.23	PPBV	82
23) METHYL TERTIARY BUTYL ETHE	7.74	73	96121	1.73	PPBV	98
24) TETRAHYDROFURAN	9.21	42	24851	1.36	PPBV	91
25) HEXANE	8.63	57	58771	1.58	PPBV	93
26) VINYL ACETATE	7.80	43	53072	1.35	PPBV	92
27) 1,1-DICHLOROETHANE	7.65	63	84237	1.62	PPBV	100
28) METHYL ETHYL KETONE	8.09	43	56905	1.43	PPBV	90
29) cis-1,2-DICHLOROETHYLENE	8.45	96	46740	1.67	PPBV	99
30) ETHYL ACETATE	8.71	43	64712	1.48	PPBV #	92
31) CHLOROFORM	8.74	83	122413	1.66	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.67	97	130586	1.62	PPBV	100
33) CARBON TETRACHLORIDE	10.25	117	165237	1.68	PPBV	99
34) 1,2-DICHLOROETHANE	9.45	62	68378	1.71	PPBV	100
36) BENZENE	10.12	78	111788	1.65	PPBV	100
37) CYCLOHEXANE	10.37	84	51554	1.63	PPBV	98
38) TRICHLOROETHYLENE	11.11	95	58790	1.59	PPBV	98
39) 1,2-DICHLOROPROPANE	10.90	63	37078	1.61	PPBV	96
40) BROMODICHLOROMETHANE	11.08	83	108047	1.61	PPBV	97
41) 2,2,4-TRIMETHYLPENTANE	11.12	57	163007	2.12	PPBV	98
42) 1,4-DIOXANE	11.22	88	10728	1.90	PPBV	85
43) HEPTANE	11.36	43	52042	1.41	PPBV	98

Quantitation Report (QT Reviewed)

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

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

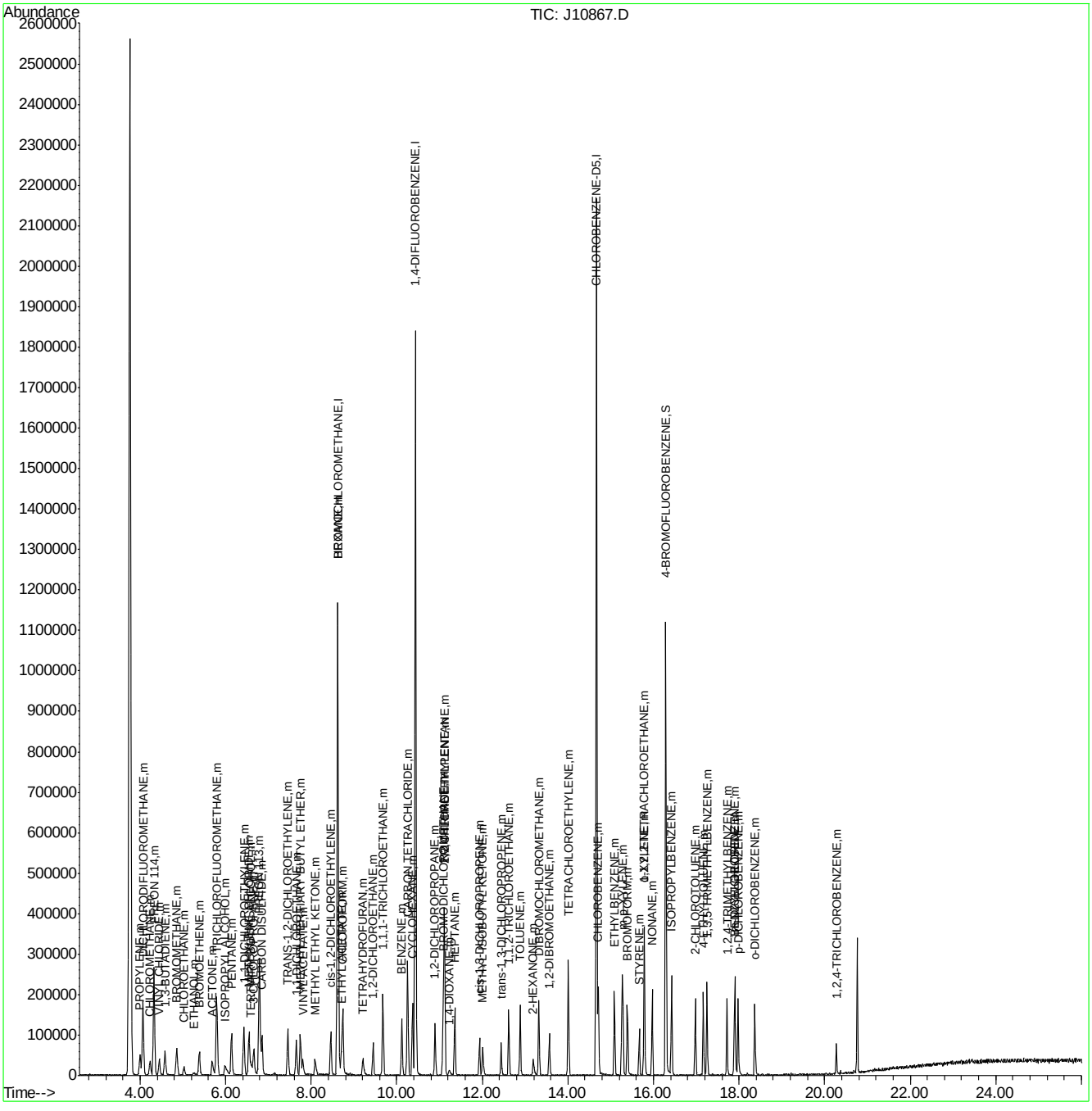
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.01	43	49831	1.18 PPBV	94
45) cis-1,3-DICHLOROPROPENE	11.93	75	42037	1.57 PPBV	96
46) TOLUENE	12.88	92	66487	1.65 PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.44	75	37565	1.53 PPBV	98
48) 1,1,2-TRICHLOROETHANE	12.61	83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

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

Quantitation Report (QT Reviewed)

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

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



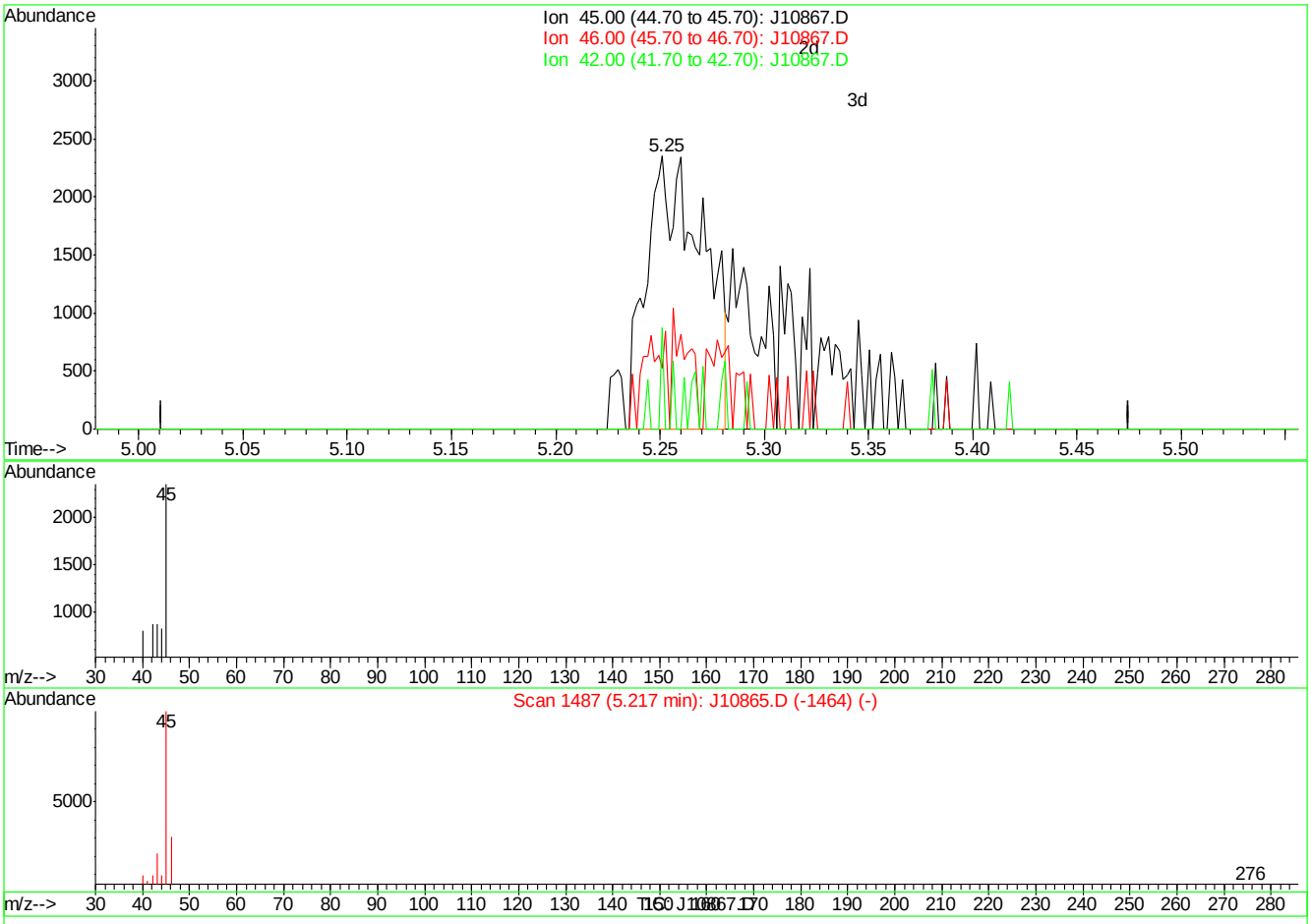
J070507T.M Fri Jul 06 11:19:59 2007 Page: 3

Quantitation Report (Qedit)

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

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

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



(16) ETHANOL (m)

5.25min 1.63PPBV

response 4623

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

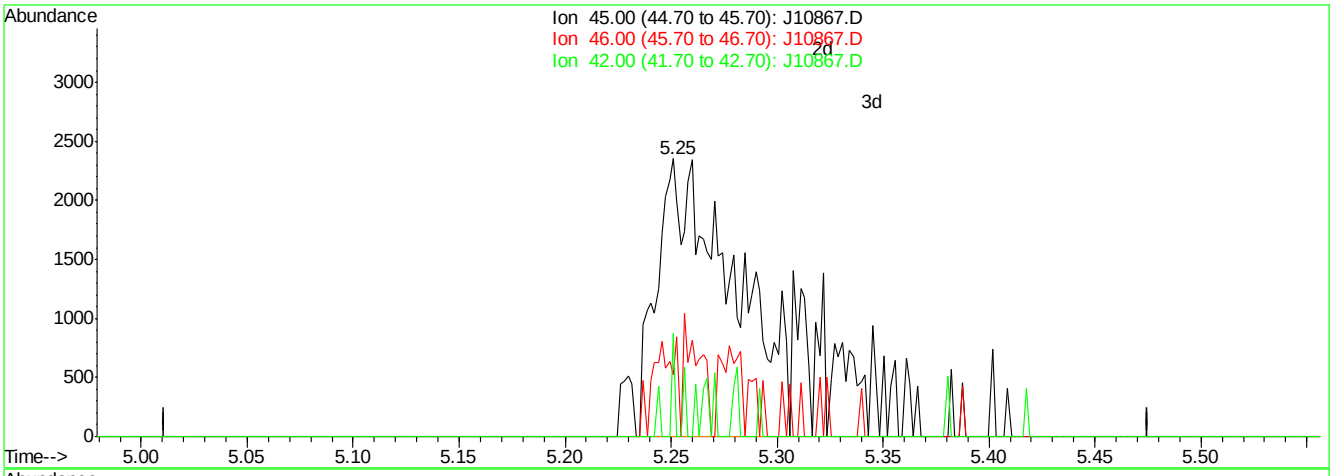
J10867.D J070507T.M Thu Jul 05 17:26:48 2007

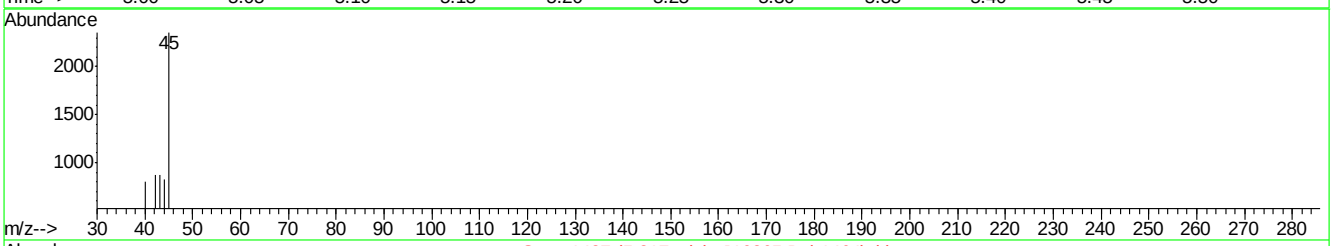
Quantitation Report (Qedit)

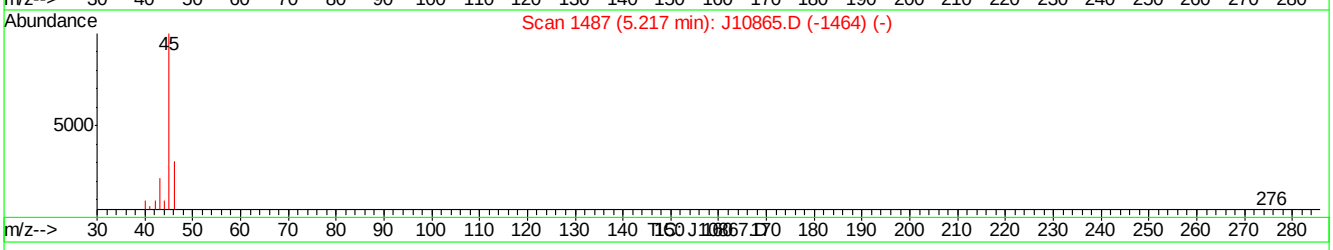
Data File : C:\MSDChem\1\data\J10867.D Vial: 2
Acq On : 5 Jul 2007 4:59 pm Operator: danat
Sample : ic562-2 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

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







(16) ETHANOL (m)

5.25min 1.81PPBV m

response 5804

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

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

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

Quantitation Report (QT Reviewed)

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

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

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

Quantitation Report (QT Reviewed)

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

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

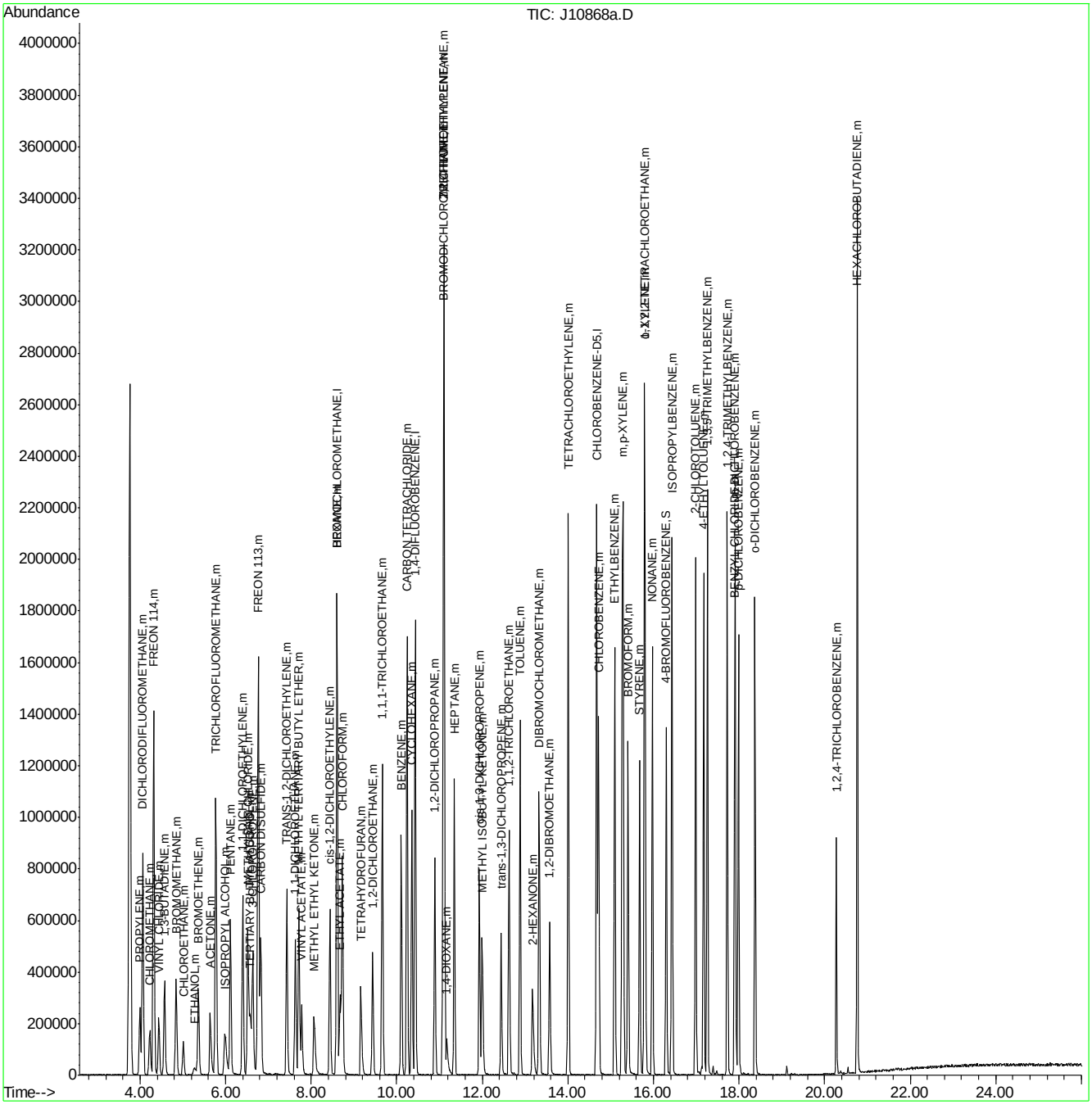
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.99	43	470043	10.33	PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.93	75	407474	10.95	PPBV	98
46) TOLUENE	12.88	92	578281	11.03	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.44	75	315716	9.17	PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.62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

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

Quantitation Report (QT Reviewed)

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

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



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

Quantitation Report (QT Reviewed)

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

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

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

Quantitation Report (QT Reviewed)

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

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

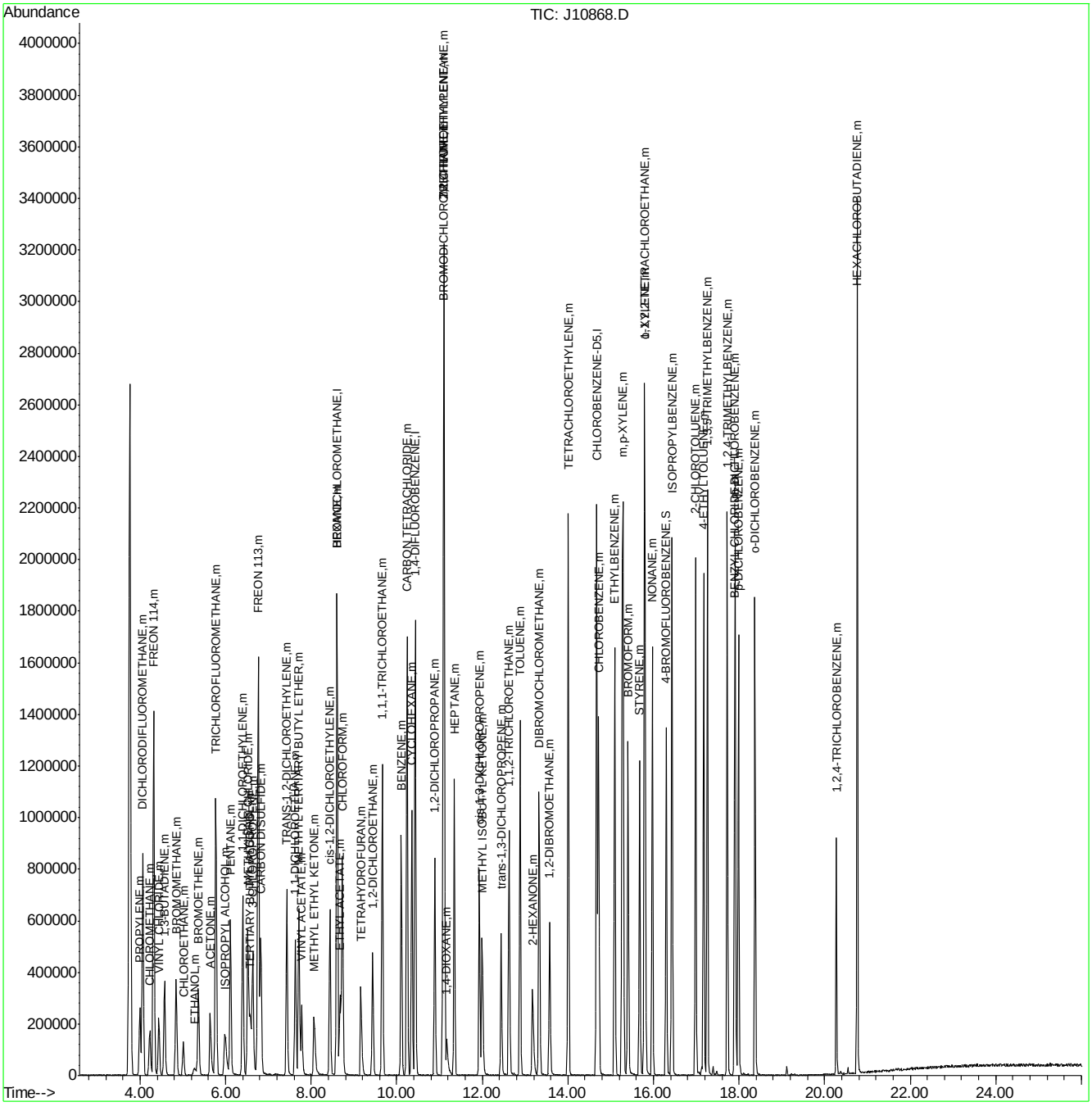
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.99	43	470043	10.33	PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.93	75	407474	10.95	PPBV	98
46) TOLUENE	12.88	92	578281	11.03	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.44	75	315716	9.17	PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.62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

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

Quantitation Report (QT Reviewed)

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

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

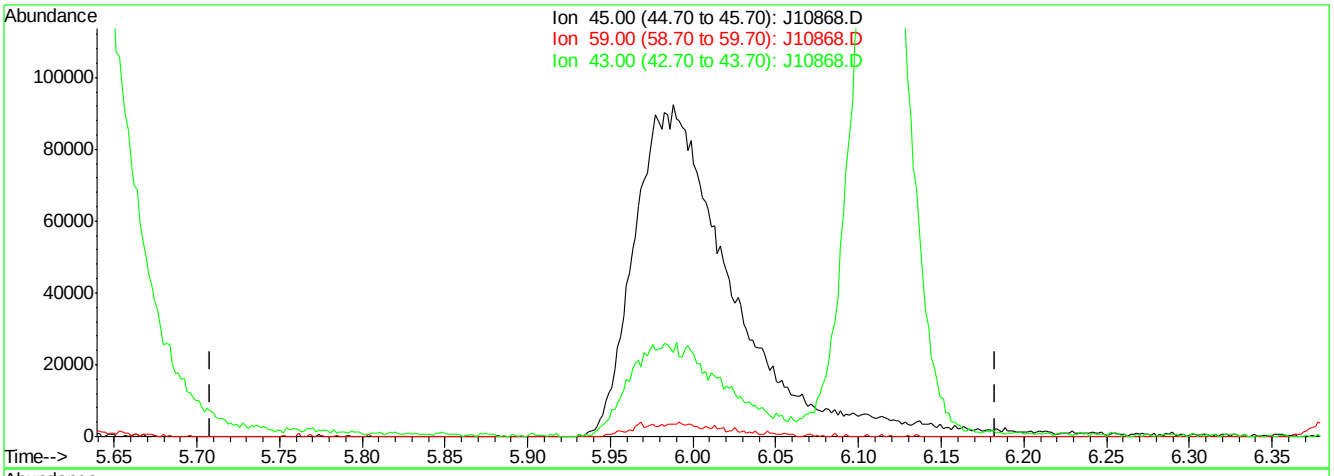


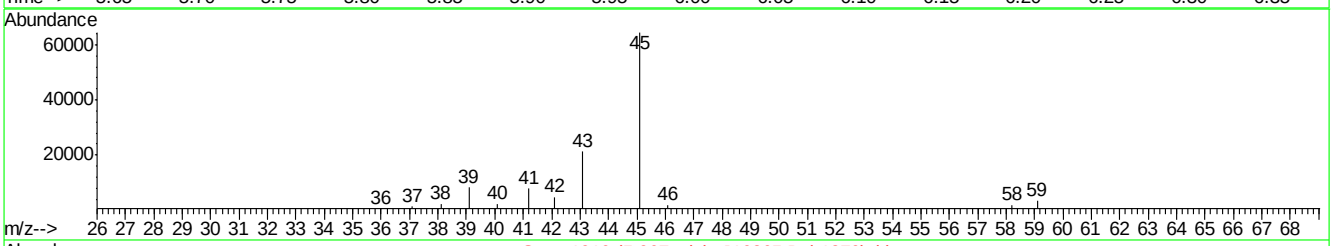
Quantitation Report (Qedit)

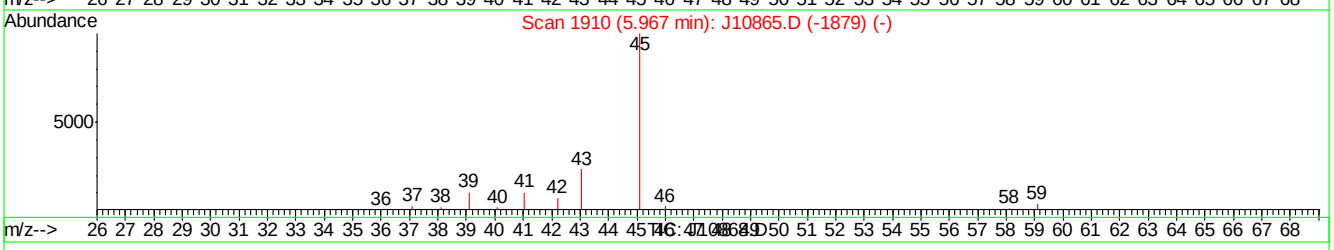
Data File : C:\MSDChem\1\data\J10868.D Vial: 3
Acq On : 5 Jul 2007 5:56 pm Operator: danat
Sample : icv562-10 (M080) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

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







(11) ISOPROPYL ALCOHOL (m)

5.97min 0.00PPBV

response 0

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

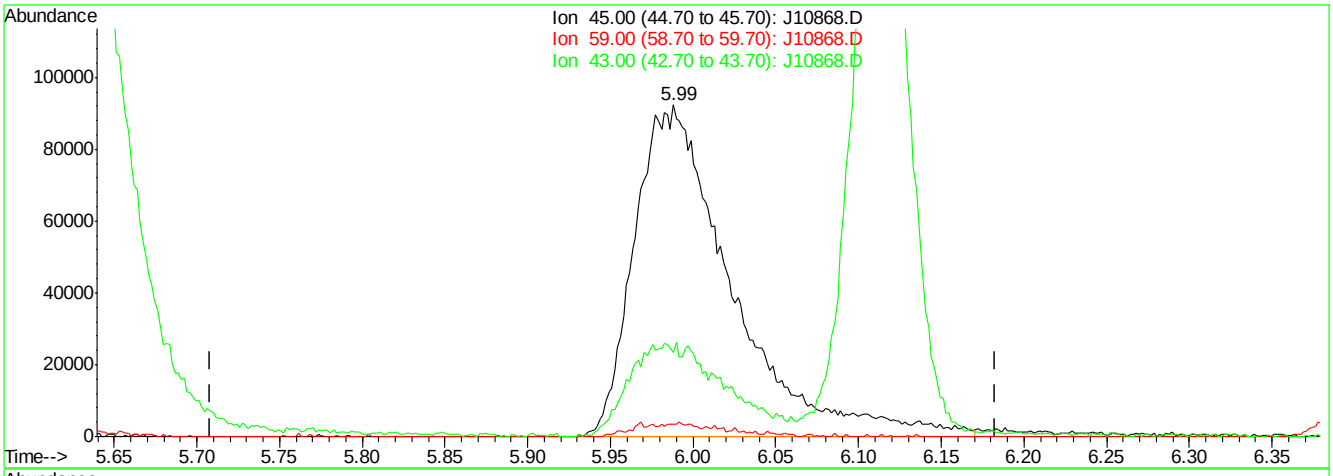
J10868.D J070507T.M Thu Jul 05 18:23:58 2007

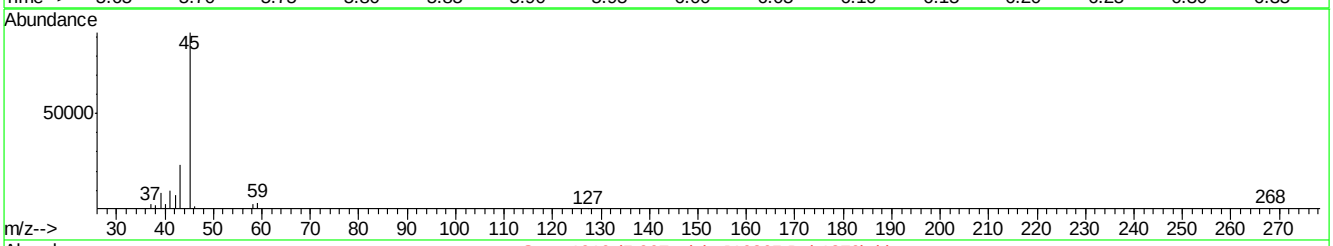
Quantitation Report (Qedit)

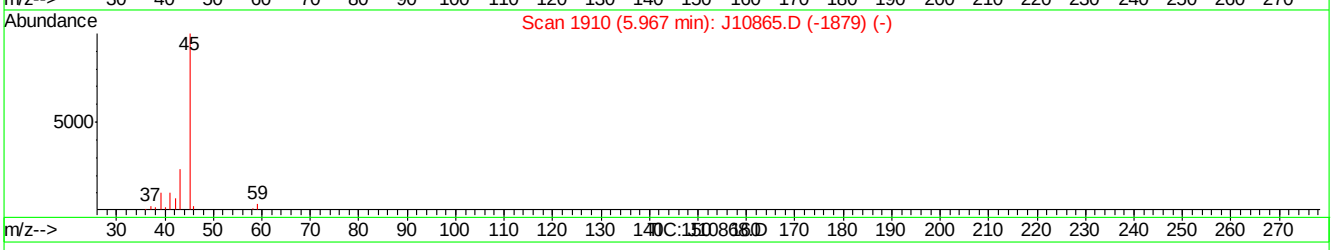
Data File : C:\MSDChem\1\data\J10868.D Vial: 3
Acq On : 5 Jul 2007 5:56 pm Operator: danat
Sample : icv562-10 (M080) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

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







(11) ISOPROPYL ALCOHOL (m)

5.99min 10.92PPBV m

response 376740

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

J10868.D J070507T.M Thu Jul 05 18:24:05 2007

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3977.D
Acq On : 16 Jul 2007 4:53 pm
Operator : danat
Sample : ic214-40 (M211)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 17 08:12:50 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Jul 16 15:07:12 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.633	128	209689	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.465	114	900241	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.707	117	823235	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.327	95	331912	5.22	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 104.40%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.035	85	2764917	25.14	PPBV	99
3) PROPYLENE	3.967	41	463358	18.48	PPBV	93
4) FREON 114	4.299	85	2605725	26.43	PPBV	99
5) CHLOROMETHANE	4.200	50	588876	23.88	PPBV	100
6) VINYL CHLORIDE	4.424	62	709338	24.05	PPBV	98
7) 1,3-BUTADIENE	4.559	39	593214	25.73	PPBV	97
8) BROMOMETHANE	4.835	94	814543	25.07	PPBV	98
9) CHLOROETHANE	5.009	64	321452	29.01	PPBV	95
10) TRICHLOROFLUOROMETHANE	5.788	101	2819081	28.06	PPBV	99
11) ISOPROPYL ALCOHOL	5.826	45	1072785	21.76	PPBV	95
12) ACETONE	5.593	43	1144521	20.32	PPBV	95
13) PENTANE	6.143	42	640928	24.30	PPBV	94
14) 1,1-DICHLOROETHYLENE	6.429	96	827113	26.29	PPBV	97
15) CARBON DISULFIDE	6.859	76	2162566	31.24	PPBV	97
16) ETHANOL	5.100	45	187769	20.19	PPBV	99
17) BROMOETHENE	5.368	106	829145	26.30	PPBV	99
18) METHYLENE CHLORIDE	6.539	84	1001868	21.51	PPBV	96
19) 3-CHLOROPROPENE	6.662	39	701260	34.18	PPBV	87
20) FREON 113	6.798	151	1899447	28.28	PPBV	96
21) TRANS-1,2-DICHLOROETHY...	7.469	96	814099	29.58	PPBV	99
22) TERTIARY BUTYL ALCOHOL	6.431	59	1412204	31.25	PPBV	98
23) METHYL TERTIARY BUTYL ...	7.710	73	1913473	29.93	PPBV	96
24) TETRAHYDROFURAN	9.137	42	605146	25.37	PPBV	95
25) HEXANE	8.671	57	1125130	23.22	PPBV	96
26) VINYL ACETATE	7.789	43	1400317	30.03	PPBV	97
27) 1,1-DICHLOROETHANE	7.666	63	1444949	30.46	PPBV	99
28) METHYL ETHYL KETONE	8.032	43	1210279	24.61	PPBV	96
29) cis-1,2-DICHLOROETHYLENE	8.474	96	800359	29.14	PPBV	96
30) ETHYL ACETATE	8.664	43	2163136	25.03	PPBV	100
31) CHLOROFORM	8.758	83	1982961	29.06	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.709	97	2103880	31.51	PPBV	99
33) CARBON TETRACHLORIDE	10.291	117	2359836	31.33	PPBV	99
34) 1,2-DICHLOROETHANE	9.464	62	1225815	29.17	PPBV	100
36) BENZENE	10.153	78	2174884	29.80	PPBV	99
37) CYCLOHEXANE	10.413	84	848595	26.56	PPBV	95
38) TRICHLOROETHYLENE	11.148	95	1206086	31.39	PPBV	97
39) 1,2-DICHLOROPROPANE	10.926	63	730815	27.91	PPBV	94
40) BROMODICHLOROMETHANE	11.111	83	2014509	35.19	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.173	57	3305846	28.77	PPBV #	95
42) 1,4-DIOXANE	11.134	88	414757	28.40	PPBV	90
43) HEPTANE	11.409	43	1202132	27.07	PPBV	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3977.D
Acq On : 16 Jul 2007 4:53 pm
Operator : danat
Sample : ic214-40 (M211)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 17 08:12:50 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Jul 16 15:07:12 2007
Response via : Initial Calibration

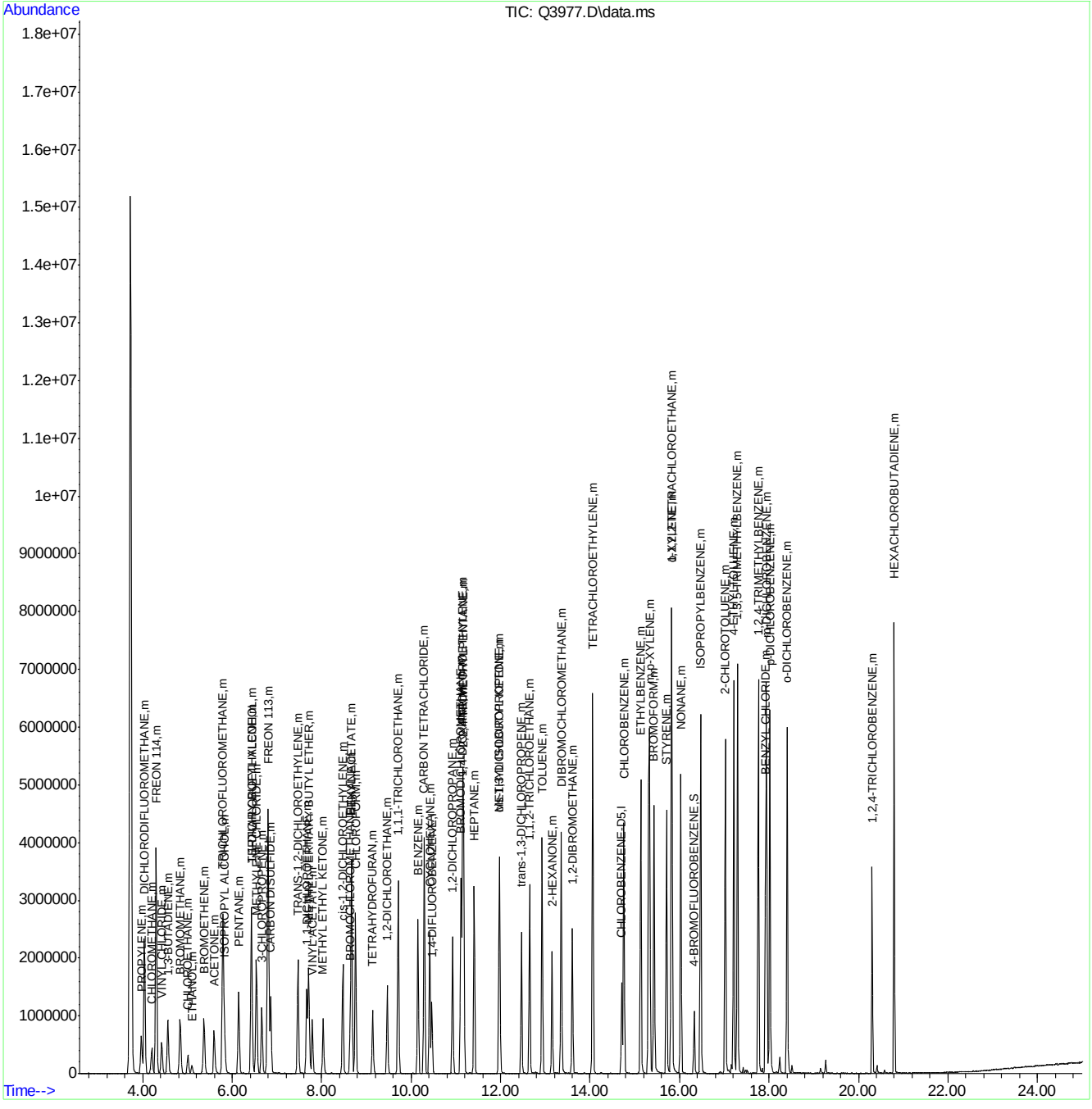
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.981	43	1520935	27.65 PPBV	99
45) cis-1,3-DICHLOROPROPENE	11.965	75	1207500	33.05 PPBV	94
46) TOLUENE	12.927	92	1581036	31.89 PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.465	75	1165405	34.87 PPBV	95
48) 1,1,2-TRICHLOROETHANE	12.648	83	800561	30.07 PPBV	96
50) 2-HEXANONE	13.150	43	1382686	26.36 PPBV	99
51) TETRACHLOROETHYLENE	14.059	164	1421801	35.41 PPBV	93
52) DIBROMOCHLOROMETHANE	13.354	129	2135418	39.37 PPBV	100
53) 1,2-DIBROMOETHANE	13.603	107	1571117	31.44 PPBV	100
54) CHLOROBENZENE	14.755	112	2221182	31.53 PPBV	99
55) ETHYLBENZENE	15.133	91	3644300	31.86 PPBV	100
56) m,p-XYLENE	15.328	106	2775968	64.26 PPBV	100
57) o-XYLENE	15.830	106	1407471	32.62 PPBV	99
58) STYRENE	15.708	104	2147858	35.36 PPBV	98
59) NONANE	16.027	43	1834075	28.58 PPBV	99
60) BROMOFORM	15.429	173	2258113	47.37 PPBV	98
62) 1,1,2,2-TETRACHLOROETHANE	15.814	83	2099510	29.14 PPBV	99
63) ISOPROPYLBENZENE	16.473	105	4258033	33.31 PPBV	99
64) 2-CHLOROTOLUENE	17.023	91	3126389	32.55 PPBV	98
65) 4-ETHYLTOLUENE	17.211	105	4074248	35.37 PPBV	100
66) 1,3,5-TRIMETHYLBENZENE	17.296	105	3745031	33.78 PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.761	105	3604402	34.94 PPBV	100
68) m-DICHLOROBENZENE	17.944	146	2539128	37.83 PPBV	97
69) BENZYL CHLORIDE	17.921	91	2414286	43.50 PPBV	98
70) p-DICHLOROBENZENE	18.018	146	2494039	36.55 PPBV	98
71) o-DICHLOROBENZENE	18.404	146	2309553	35.22 PPBV	98
72) HEXACHLOROBUTADIENE	20.798	225	1230652	27.16 PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.306	180	925743	33.17 PPBV	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3977.D
Acq On : 16 Jul 2007 4:53 pm
Operator : danat
Sample : ic214-40 (M211)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 17 08:12:50 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Jul 16 15:07:12 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3978.D
Acq On : 16 Jul 2007 5:36 pm
Operator : danat
Sample : ic214-20 (M211)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 17 08:14:20 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:13:05 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.633	128	221510	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.463	114	1017396	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.705	117	906135	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.325	95	350551	4.95	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 99.00%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.035	85	1415090	19.96	PPBV	99
3) PROPYLENE	3.966	41	259744	21.15	PPBV	91
4) FREON 114	4.296	85	1351542	20.12	PPBV	99
5) CHLOROMETHANE	4.196	50	315570	20.39	PPBV	98
6) VINYL CHLORIDE	4.420	62	382075	20.60	PPBV	98
7) 1,3-BUTADIENE	4.557	39	305711	20.06	PPBV	98
8) BROMOMETHANE	4.834	94	435076	20.45	PPBV	100
9) CHLOROETHANE	5.007	64	168444	20.48	PPBV	99
10) TRICHLOROFLUOROMETHANE	5.787	101	1396921	19.71	PPBV	100
11) ISOPROPYL ALCOHOL	5.820	45	556039	20.39	PPBV	96
12) ACETONE	5.591	43	581901	20.24	PPBV	98
13) PENTANE	6.142	42	325328	20.22	PPBV	99
14) 1,1-DICHLOROETHYLENE	6.424	96	417221	20.01	PPBV	99
15) CARBON DISULFIDE	6.857	76	1078342	20.07	PPBV	100
16) ETHANOL	5.100	45	103227	21.35	PPBV	96
17) BROMOETHENE	5.370	106	434977	20.48	PPBV	99
18) METHYLENE CHLORIDE	6.541	84	497973	19.95	PPBV	99
19) 3-CHLOROPROPENE	6.658	39	319110	19.38	PPBV	99
20) FREON 113	6.798	151	955564	19.95	PPBV	100
21) TRANS-1,2-DICHLOROETHY...	7.466	96	404542	19.93	PPBV	100
22) TERTIARY BUTYL ALCOHOL	6.426	59	714259	20.03	PPBV	99
23) METHYL TERTIARY BUTYL ...	7.707	73	934883	19.80	PPBV	99
24) TETRAHYDROFURAN	9.139	42	308804	20.59	PPBV	99
25) HEXANE	8.667	57	577385	20.12	PPBV	100
26) VINYL ACETATE	7.789	43	701213	20.77	PPBV	97
27) 1,1-DICHLOROETHANE	7.661	63	677854	19.66	PPBV	100
28) METHYL ETHYL KETONE	8.032	43	613944	20.31	PPBV	99
29) cis-1,2-DICHLOROETHYLENE	8.472	96	387992	20.26	PPBV	99
30) ETHYL ACETATE	8.665	43	1101453	20.37	PPBV	100
31) CHLOROFORM	8.754	83	946232	19.69	PPBV	100
32) 1,1,1-TRICHLOROETHANE	9.709	97	973350	19.60	PPBV	100
33) CARBON TETRACHLORIDE	10.293	117	1138392	19.69	PPBV	100
34) 1,2-DICHLOROETHANE	9.460	62	571035	19.81	PPBV	100
36) BENZENE	10.147	78	1029221	19.36	PPBV	100
37) CYCLOHEXANE	10.413	84	423009	19.10	PPBV	95
38) TRICHLOROETHYLENE	11.145	95	560188	18.86	PPBV	99
39) 1,2-DICHLOROPROPANE	10.925	63	347524	19.24	PPBV	99
40) BROMODICHLOROMETHANE	11.106	83	924349	18.94	PPBV	97
41) 2,2,4-TRIMETHYLPENTANE	11.171	57	1548803	18.85	PPBV	100
42) 1,4-DIOXANE	11.129	88	205821	19.76	PPBV #	87
43) HEPTANE	11.407	43	573305	19.08	PPBV	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3978.D
Acq On : 16 Jul 2007 5:36 pm
Operator : danat
Sample : ic214-20 (M211)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 17 08:14:20 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:13:05 2007
Response via : Initial Calibration

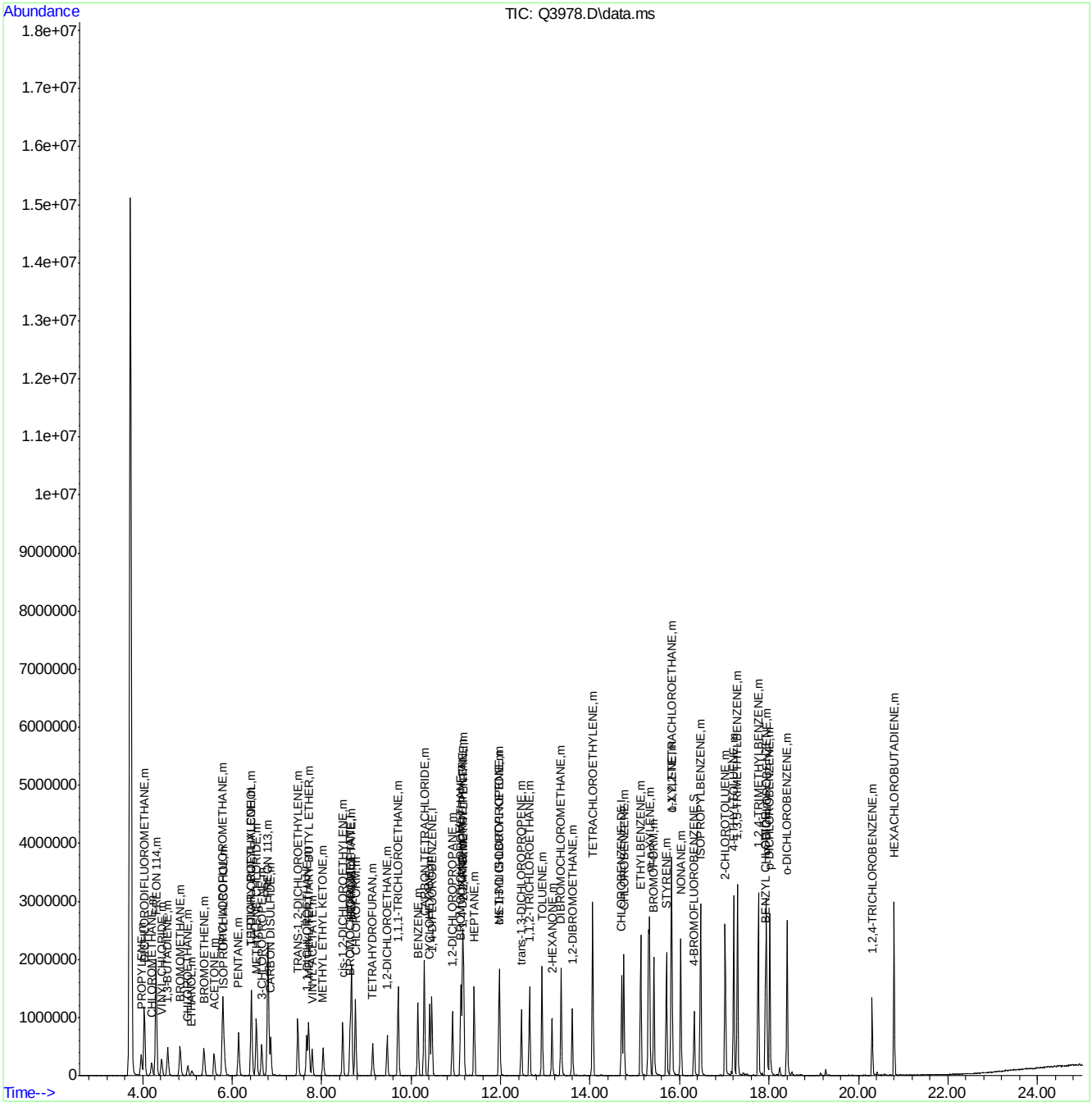
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.979	43	750728	19.65	PPBV	100
45) cis-1,3-DICHLOROPROPENE	11.963	75	549645	18.94	PPBV	99
46) TOLUENE	12.925	92	738920	19.10	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.462	75	533590	19.23	PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.644	83	374786	18.95	PPBV	100
50) 2-HEXANONE	13.145	43	654654	19.69	PPBV	100
51) TETRACHLOROETHYLENE	14.057	164	648314	18.98	PPBV	99
52) DIBROMOCHLOROMETHANE	13.352	129	955089	19.03	PPBV	99
53) 1,2-DIBROMOETHANE	13.601	107	726832	19.49	PPBV	97
54) CHLOROBENZENE	14.751	112	1029097	19.20	PPBV	100
55) ETHYLBENZENE	15.131	91	1694424	19.17	PPBV	100
56) m,p-XYLENE	15.324	106	1308622	38.89	PPBV	97
57) o-XYLENE	15.825	106	658491	19.30	PPBV	99
58) STYRENE	15.708	104	1003139	19.53	PPBV	99
59) NONANE	16.025	43	847096	19.14	PPBV	100
60) BROMOFORM	15.425	173	991927	19.09	PPBV	100
62) 1,1,2,2-TETRACHLOROETHANE	15.812	83	984430	19.36	PPBV	99
63) ISOPROPYLBENZENE	16.469	105	1996951	19.26	PPBV	99
64) 2-CHLOROTOLUENE	17.019	91	1449660	19.19	PPBV	99
65) 4-ETHYLTOLUENE	17.209	105	1869312	18.98	PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.294	105	1746289	19.09	PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.759	105	1667884	19.22	PPBV	100
68) m-DICHLOROBENZENE	17.942	146	1128474	18.97	PPBV	99
69) BENZYL CHLORIDE	17.919	91	1033483	19.20	PPBV	99
70) p-DICHLOROBENZENE	18.015	146	1109710	18.83	PPBV	99
71) o-DICHLOROBENZENE	18.403	146	1035278	18.95	PPBV	100
72) HEXACHLOROBUTADIENE	20.796	225	479831	16.04	PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.308	180	369063	17.20	PPBV	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3978.D
Acq On : 16 Jul 2007 5:36 pm
Operator : danat
Sample : ic214-20 (M211)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 17 08:14:20 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:13:05 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3979.D
Acq On : 16 Jul 2007 6:18 pm
Operator : danat
Sample : icc214-10 (M211)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 17 08:10:22 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Jul 16 15:07:12 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.633	128	220494	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.460	114	1001449	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.707	117	880366	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.323	95	333768	4.91	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 98.20%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.035	85	684837	5.92	PPBV	99
3) PROPYLENE	3.969	41	122643	4.65	PPBV	95
4) FREON 114	4.294	85	652207	6.29	PPBV	97
5) CHLOROMETHANE	4.198	50	153377	5.92	PPBV	98
6) VINYL CHLORIDE	4.420	62	182843	5.89	PPBV	99
7) 1,3-BUTADIENE	4.557	39	147444	6.08	PPBV	98
8) BROMOMETHANE	4.832	94	209484	6.13	PPBV	98
9) CHLOROETHANE	5.009	64	79274	6.80	PPBV	95
10) TRICHLOROFLUOROMETHANE	5.792	101	669866	6.34	PPBV	99
11) ISOPROPYL ALCOHOL	5.824	45	260910	5.03	PPBV	91
12) ACETONE	5.597	43	271384	4.58	PPBV	96
13) PENTANE	6.143	42	151747	5.47	PPBV	94
14) 1,1-DICHLOROETHYLENE	6.424	96	197716	5.98	PPBV	100
15) CARBON DISULFIDE	6.860	76	501376	6.89	PPBV	99
16) ETHANOL	5.094	45	46893	4.80	PPBV	96
17) BROMOETHENE	5.366	106	204863	6.18	PPBV	99
18) METHYLENE CHLORIDE	6.543	84	233626	4.77	PPBV	97
19) 3-CHLOROPROPENE	6.660	39	143435	6.65	PPBV	90
20) FREON 113	6.798	151	454376	6.43	PPBV	96
21) TRANS-1,2-DICHLOROETHY...	7.471	96	190141	6.57	PPBV	99
22) TERTIARY BUTYL ALCOHOL	6.433	59	338527	7.12	PPBV	98
23) METHYL TERTIARY BUTYL ...	7.709	73	436907	6.50	PPBV	96
24) TETRAHYDROFURAN	9.141	42	139518	5.56	PPBV	96
25) HEXANE	8.669	57	275527	5.41	PPBV	96
26) VINYL ACETATE	7.788	43	304116	6.20	PPBV	99
27) 1,1-DICHLOROETHANE	7.664	63	306494	6.14	PPBV	99
28) METHYL ETHYL KETONE	8.033	43	283771	5.49	PPBV	93
29) cis-1,2-DICHLOROETHYLENE	8.470	96	170796	5.91	PPBV	95
30) ETHYL ACETATE	8.663	43	507901	5.59	PPBV	100
31) CHLOROFORM	8.754	83	435311	6.07	PPBV	100
32) 1,1,1-TRICHLOROETHANE	9.711	97	435829	6.21	PPBV	98
33) CARBON TETRACHLORIDE	10.294	117	530865	6.70	PPBV	99
34) 1,2-DICHLOROETHANE	9.464	62	251517	5.69	PPBV	100
36) BENZENE	10.147	78	441877	5.44	PPBV	99
37) CYCLOHEXANE	10.412	84	200023	5.63	PPBV	93
38) TRICHLOROETHYLENE	11.146	95	249363	5.83	PPBV	97
39) 1,2-DICHLOROPROPANE	10.925	63	152398	5.23	PPBV	94
40) BROMODICHLOROMETHANE	11.109	83	400370	6.29	PPBV	98
41) 2,2,4-TRIMETHYLPENTANE	11.168	57	698559	5.47	PPBV #	95
42) 1,4-DIOXANE	11.136	88	89658	5.52	PPBV	86
43) HEPTANE	11.407	43	257337	5.21	PPBV	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3979.D
Acq On : 16 Jul 2007 6:18 pm
Operator : danat
Sample : icc214-10 (M211)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 17 08:10:22 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Jul 16 15:07:12 2007
Response via : Initial Calibration

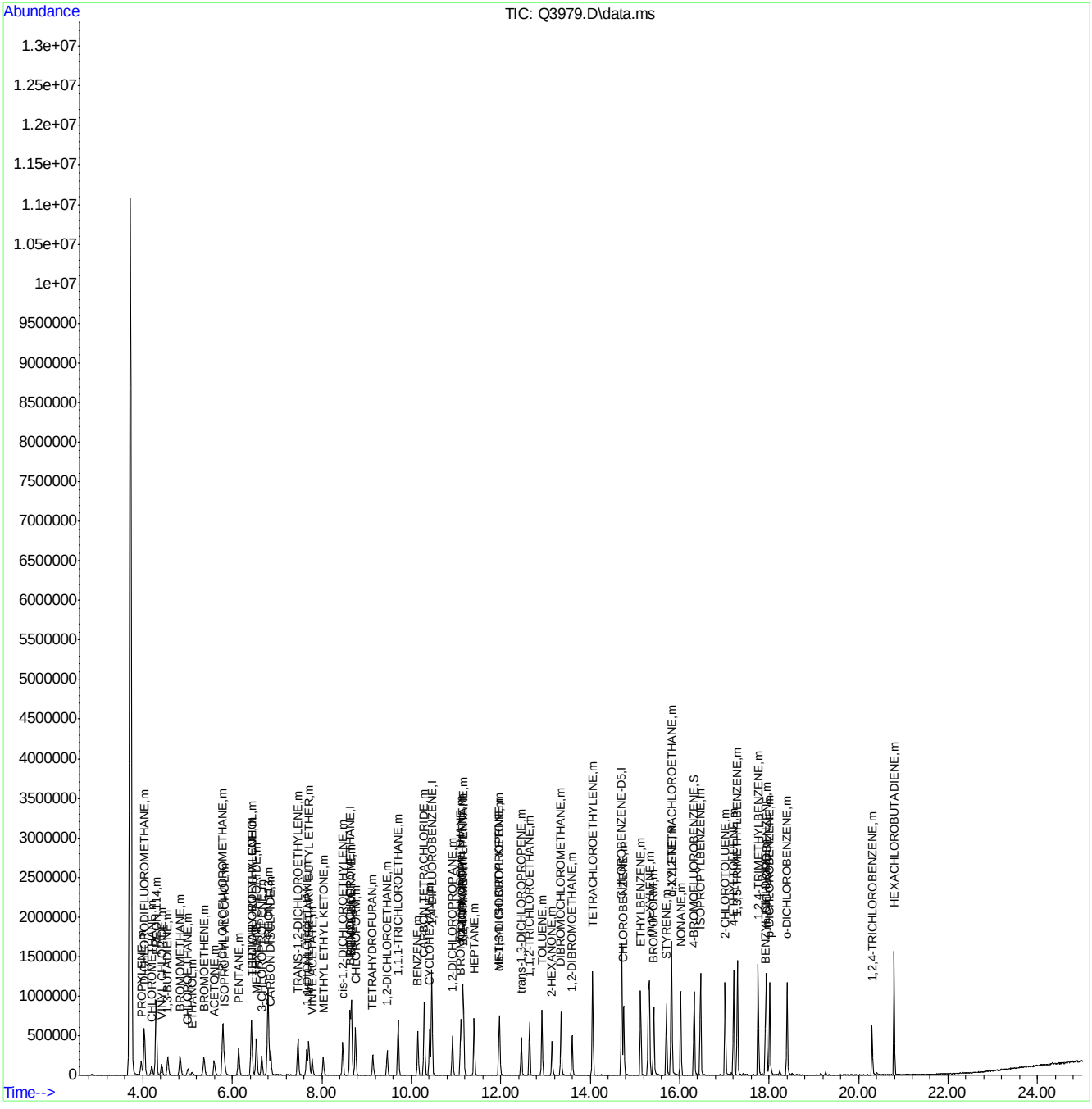
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.977	43	329287	5.38	PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.965	75	235451	5.79	PPBV	93
46) TOLUENE	12.923	92	321727	5.83	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.463	75	222144	5.97	PPBV	95
48) 1,1,2-TRICHLOROETHANE	12.641	83	166704	5.63	PPBV	96
50) 2-HEXANONE	13.147	43	276432	4.93	PPBV	99
51) TETRACHLOROETHYLENE	14.055	164	283522	6.60	PPBV	93
52) DIBROMOCHLOROMETHANE	13.349	129	404442	6.97	PPBV	100
53) 1,2-DIBROMOETHANE	13.599	107	304701	5.70	PPBV	98
54) CHLOROBENZENE	14.753	112	447537	5.94	PPBV	99
55) ETHYLBENZENE	15.131	91	743600	6.08	PPBV	99
56) m,p-XYLENE	15.326	106	565606	12.24	PPBV	99
57) o-XYLENE	15.825	106	286811	6.22	PPBV	99
58) STYRENE	15.704	104	423629	6.52	PPBV	98
59) NONANE	16.025	43	369576	5.38	PPBV	99
60) BROMOFORM	15.422	173	406035	7.96	PPBV	98
62) 1,1,2,2-TETRACHLOROETHANE	15.814	83	426609	5.54	PPBV	99
63) ISOPROPYLBENZENE	16.469	105	875964	6.41	PPBV	100
64) 2-CHLOROTOLUENE	17.019	91	631878	6.15	PPBV	99
65) 4-ETHYLTOLUENE	17.209	105	824684	6.69	PPBV	100
66) 1,3,5-TRIMETHYLBENZENE	17.292	105	775965	6.55	PPBV	100
67) 1,2,4-TRIMETHYLBENZENE	17.757	105	722221	6.55	PPBV	99
68) m-DICHLOROBENZENE	17.940	146	476931	6.64	PPBV	98
69) BENZYL CHLORIDE	17.919	91	400424	6.75	PPBV	99
70) p-DICHLOROBENZENE	18.013	146	478607	6.56	PPBV	97
71) o-DICHLOROBENZENE	18.402	146	444325	6.34	PPBV	98
72) HEXACHLOROBUTADIENE	20.798	225	252179	5.20	PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.306	180	169444	5.68	PPBV	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3979.D
Acq On : 16 Jul 2007 6:18 pm
Operator : danat
Sample : icc214-10 (M211)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 17 08:10:22 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Jul 16 15:07:12 2007
Response via : Initial Calibration



ACCUTEST Laboratories M66993

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3980.D
Acq On : 16 Jul 2007 7:01 pm
Operator : danat
Sample : ic214-5 (M211)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 17 08:16:28 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:14:33 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.632	128	205904	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.461	114	947064	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.705	117	825944	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.324	95	299530	4.65	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 93.00%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.037	85	343505	5.22	PPBV	100
3) PROPYLENE	3.964	41	61635	5.30	PPBV	93
4) FREON 114	4.296	85	314869	5.03	PPBV	99
5) CHLOROMETHANE	4.195	50	76735	5.30	PPBV	87
6) VINYL CHLORIDE	4.422	62	87867	5.05	PPBV	96
7) 1,3-BUTADIENE	4.557	39	69485	4.90	PPBV	99
8) BROMOMETHANE	4.835	94	98181	4.93	PPBV	98
9) CHLOROETHANE	5.011	64	35742	4.64	PPBV	99
10) TRICHLOROFLUOROMETHANE	5.787	101	321040	4.90	PPBV	100
11) ISOPROPYL ALCOHOL	5.828	45	117237	4.59	PPBV	99
12) ACETONE	5.604	43	124462	4.64	PPBV	99
13) PENTANE	6.143	42	71560	4.77	PPBV	99
14) 1,1-DICHLOROETHYLENE	6.426	96	88811	4.58	PPBV	95
15) CARBON DISULFIDE	6.859	76	235052	4.70	PPBV	96
16) ETHANOL	5.098	45	21109	4.59	PPBV	81
17) BROMOETHENE	5.366	106	96113	4.83	PPBV	100
18) METHYLENE CHLORIDE	6.541	84	105900	4.57	PPBV	98
19) 3-CHLOROPROPENE	6.663	39	60854	4.02	PPBV	99
20) FREON 113	6.797	151	211145	4.75	PPBV	99
21) TRANS-1,2-DICHLOROETHY...	7.469	96	83754	4.44	PPBV	97
22) TERTIARY BUTYL ALCOHOL	6.436	59	151527	4.57	PPBV	98
23) METHYL TERTIARY BUTYL ...	7.711	73	193415	4.42	PPBV	98
24) TETRAHYDROFURAN	9.145	42	60382	4.29	PPBV	100
25) HEXANE	8.667	57	123008	4.60	PPBV	98
26) VINYL ACETATE	7.790	43	134640	4.24	PPBV	99
27) 1,1-DICHLOROETHANE	7.668	63	134750	4.23	PPBV	99
28) METHYL ETHYL KETONE	8.037	43	124754	4.42	PPBV	97
29) cis-1,2-DICHLOROETHYLENE	8.468	96	73064	4.09	PPBV	98
30) ETHYL ACETATE	8.664	43	224825	4.45	PPBV	100
31) CHLOROFORM	8.754	83	190838	4.29	PPBV	98
32) 1,1,1-TRICHLOROETHANE	9.707	97	187302	4.08	PPBV	100
33) CARBON TETRACHLORIDE	10.295	117	232563	4.35	PPBV	100
34) 1,2-DICHLOROETHANE	9.461	62	112746	4.22	PPBV	98
36) BENZENE	10.147	78	190581	3.89	PPBV	99
37) CYCLOHEXANE	10.410	84	88053	4.34	PPBV	100
38) TRICHLOROETHYLENE	11.145	95	107659	3.97	PPBV	100
39) 1,2-DICHLOROPROPANE	10.921	63	66643	4.01	PPBV	99
40) BROMODICHLOROMETHANE	11.106	83	176485	3.96	PPBV	95
41) 2,2,4-TRIMETHYLPENTANE	11.168	57	302789	4.04	PPBV	100
42) 1,4-DIOXANE	11.141	88	38223	3.96	PPBV #	55
43) HEPTANE	11.407	43	108447	3.94	PPBV	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3980.D
Acq On : 16 Jul 2007 7:01 pm
Operator : danat
Sample : ic214-5 (M211)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 17 08:16:28 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:14:33 2007
Response via : Initial Calibration

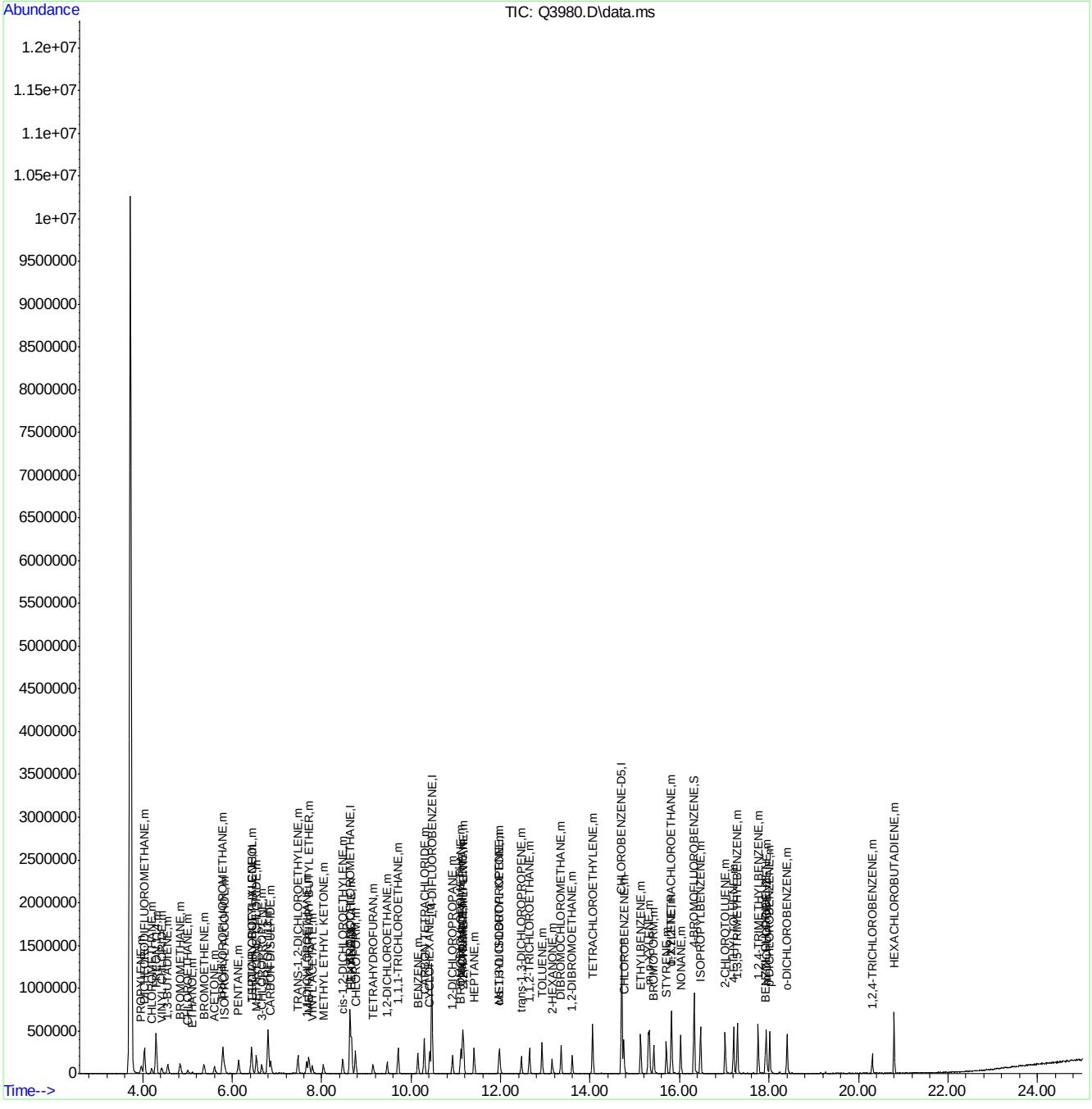
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.981	43	137692	3.89	PPBV	99
45) cis-1,3-DICHLOROPROPENE	11.963	75	100108	3.77	PPBV	99
46) TOLUENE	12.927	92	137452	3.88	PPBV	100
47) trans-1,3-DICHLOROPROPENE	12.463	75	93432	3.66	PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.646	83	73208	4.05	PPBV	99
50) 2-HEXANONE	13.149	43	116486	3.86	PPBV	97
51) TETRACHLOROETHYLENE	14.057	164	122725	4.01	PPBV	99
52) DIBROMOCHLOROMETHANE	13.351	129	166726	3.70	PPBV	99
53) 1,2-DIBROMOETHANE	13.599	107	132216	3.92	PPBV	97
54) CHLOROBENZENE	14.751	112	194984	4.05	PPBV	98
55) ETHYLBENZENE	15.131	91	318008	4.00	PPBV	100
56) m,p-XYLENE	15.323	106	242151	7.97	PPBV	99
57) o-XYLENE	15.825	106	121195	3.94	PPBV	98
58) STYRENE	15.702	104	170488	3.67	PPBV	99
59) NONANE	16.022	43	154715	3.89	PPBV	100
60) BROMOFORM	15.426	173	157513	3.38	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.812	83	180416	3.93	PPBV	100
63) ISOPROPYLBENZENE	16.469	105	364704	3.91	PPBV	99
64) 2-CHLOROTOLUENE	17.019	91	261307	3.85	PPBV	99
65) 4-ETHYLTOLUENE	17.209	105	325376	3.69	PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.293	105	320237	3.90	PPBV	98
67) 1,2,4-TRIMETHYLBENZENE	17.758	105	294793	3.78	PPBV	100
68) m-DICHLOROBENZENE	17.942	146	190127	3.57	PPBV	98
69) BENZYL CHLORIDE	17.917	91	143278	2.96	PPBV	98
70) p-DICHLOROBENZENE	18.015	146	198189	3.76	PPBV	98
71) o-DICHLOROBENZENE	18.402	146	183920	3.76	PPBV	99
72) HEXACHLOROBUTADIENE	20.794	225	110446	4.34	PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.308	180	66830	3.58	PPBV	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3980.D
Acq On : 16 Jul 2007 7:01 pm
Operator : danat
Sample : ic214-5 (M211)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 17 08:16:28 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:14:33 2007
Response via : Initial Calibration



ACCUTEST Laboratories M66993

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3981.D
Acq On : 16 Jul 2007 7:44 pm
Operator : danat
Sample : ic214-2 (M211)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 17 08:16:52 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:16:40 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.632	128	202445	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.463	114	918040	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.705	117	788203	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.324	95	279986	4.64	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 92.80%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.037	85	135106	2.06	PPBV	98
3) PROPYLENE	3.966	41	21867	1.88	PPBV	85
4) FREON 114	4.303	85	117212	1.90	PPBV	99
5) CHLOROMETHANE	4.200	50	29469	2.04	PPBV	95
6) VINYL CHLORIDE	4.424	62	33455	1.95	PPBV	98
7) 1,3-BUTADIENE	4.560	39	26878	1.94	PPBV	97
8) BROMOMETHANE	4.837	94	37618	1.93	PPBV	96
9) CHLOROETHANE	5.008	64	12858	1.73	PPBV #	80
10) TRICHLOROFLUOROMETHANE	5.790	101	122647	1.91	PPBV	99
11) ISOPROPYL ALCOHOL	5.835	45	51199	2.08	PPBV	94
12) ACETONE	5.609	43	56607	2.19	PPBV	99
13) PENTANE	6.143	42	27393	1.88	PPBV	97
14) 1,1-DICHLOROETHYLENE	6.422	96	36156	1.94	PPBV	98
15) CARBON DISULFIDE	6.855	76	86669	1.79	PPBV	93
16) ETHANOL	5.103	45	9528	2.15	PPBV #	60
17) BROMOETHENE	5.366	106	36520	1.88	PPBV	98
18) METHYLENE CHLORIDE	6.543	84	45947	2.06	PPBV	99
19) 3-CHLOROPROPENE	6.655	39	25084	1.77	PPBV	92
20) FREON 113	6.802	151	84756	1.96	PPBV	99
21) TRANS-1,2-DICHLOROETHY...	7.471	96	32193	1.79	PPBV	99
22) TERTIARY BUTYL ALCOHOL	6.445	59	59741	1.87	PPBV	94
23) METHYL TERTIARY BUTYL ...	7.718	73	80070	1.92	PPBV	96
24) TETRAHYDROFURAN	9.153	42	23878	1.79	PPBV	99
25) HEXANE	8.669	57	58475	2.27	PPBV	97
26) VINYL ACETATE	7.794	43	56274	1.87	PPBV	88
27) 1,1-DICHLOROETHANE	7.664	63	51599	1.71	PPBV	98
28) METHYL ETHYL KETONE	8.039	43	48007	1.78	PPBV	96
29) cis-1,2-DICHLOROETHYLENE	8.467	96	27906	1.66	PPBV	99
30) ETHYL ACETATE	8.671	43	96352	1.99	PPBV	99
31) CHLOROFORM	8.747	83	73317	1.74	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.713	97	71737	1.67	PPBV	99
33) CARBON TETRACHLORIDE	10.295	117	86881	1.71	PPBV	99
34) 1,2-DICHLOROETHANE	9.466	62	44708	1.77	PPBV	99
36) BENZENE	10.147	78	73898	1.65	PPBV	99
37) CYCLOHEXANE	10.419	84	34018	1.79	PPBV	98
38) TRICHLOROETHYLENE	11.148	95	41891	1.68	PPBV	98
39) 1,2-DICHLOROPROPANE	10.926	63	26803	1.75	PPBV	99
40) BROMODICHLOROMETHANE	11.107	83	64689	1.58	PPBV	97
41) 2,2,4-TRIMETHYLPENTANE	11.170	57	114231	1.65	PPBV	98
42) 1,4-DIOXANE	11.143	88	13805	1.56	PPBV #	48
43) HEPTANE	11.409	43	41873	1.66	PPBV	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3981.D
Acq On : 16 Jul 2007 7:44 pm
Operator : danat
Sample : ic214-2 (M211)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 17 08:16:52 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:16:40 2007
Response via : Initial Calibration

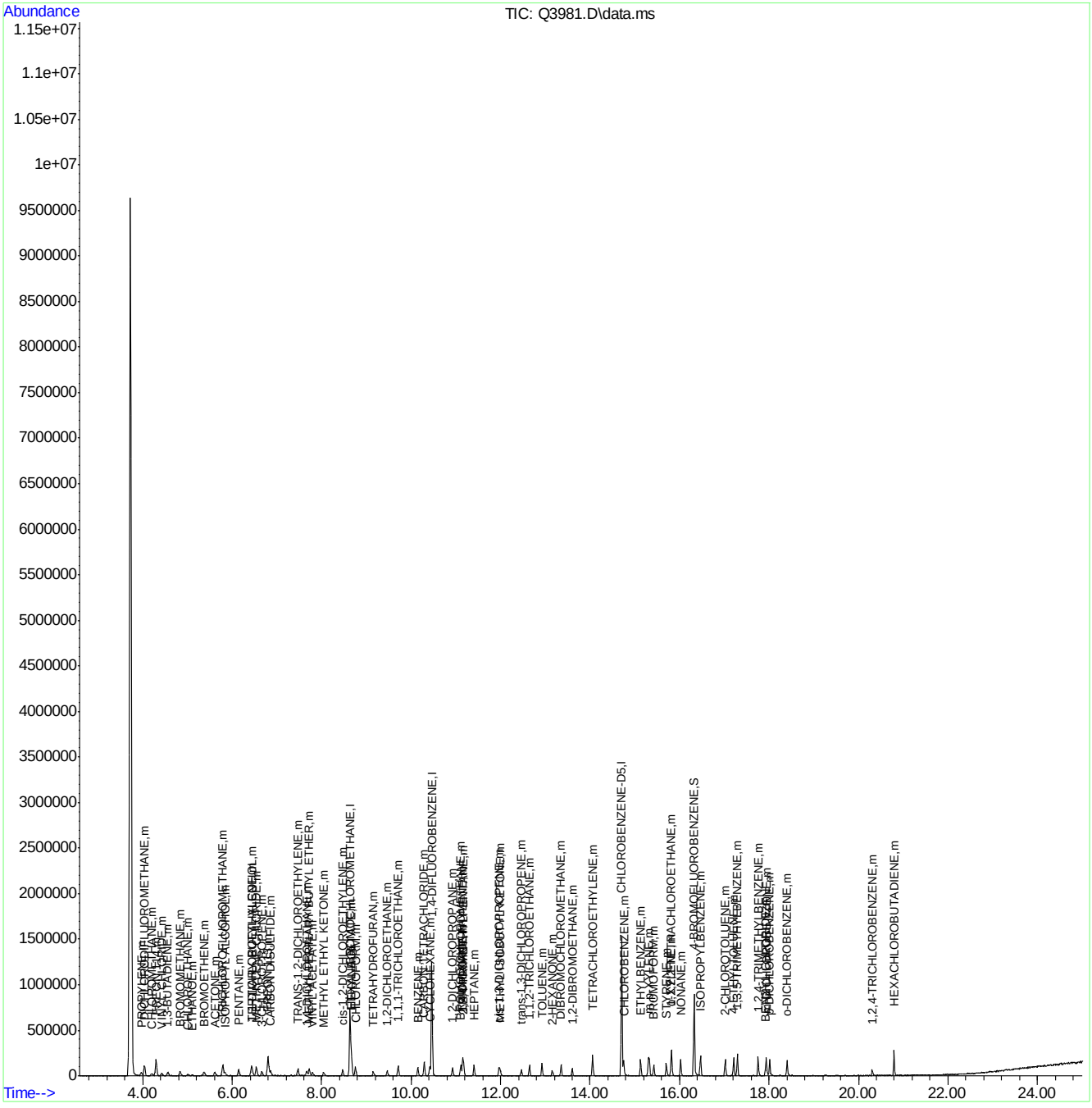
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.986	43	54390	1.68	PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.961	75	36320	1.50	PPBV	94
46) TOLUENE	12.923	92	52232	1.61	PPBV	96
47) trans-1,3-DICHLOROPROPENE	12.465	75	34173	1.48	PPBV	97
48) 1,1,2-TRICHLOROETHANE	12.646	83	29207	1.75	PPBV	99
50) 2-HEXANONE	13.152	43	41483	1.53	PPBV	98
51) TETRACHLOROETHYLENE	14.059	164	46206	1.66	PPBV	98
52) DIBROMOCHLOROMETHANE	13.349	129	62068	1.55	PPBV	100
53) 1,2-DIBROMOETHANE	13.597	107	50495	1.66	PPBV	98
54) CHLOROBENZENE	14.753	112	74553	1.70	PPBV	99
55) ETHYLBENZENE	15.129	91	121331	1.68	PPBV	100
56) m,p-XYLENE	15.303	106	92276	3.35	PPBV	99
57) o-XYLENE	15.827	106	47194	1.70	PPBV	98
58) STYRENE	15.702	104	61380	1.48	PPBV	99
59) NONANE	16.024	43	59653	1.66	PPBV	99
60) BROMOFORM	15.422	173	56101	1.37	PPBV	98
62) 1,1,2,2-TETRACHLOROETHANE	15.812	83	67547	1.63	PPBV	98
63) ISOPROPYLBENZENE	16.467	105	141125	1.68	PPBV	99
64) 2-CHLOROTOLUENE	17.017	91	99183	1.62	PPBV	98
65) 4-ETHYLTOLUENE	17.211	105	120772	1.53	PPBV	100
66) 1,3,5-TRIMETHYLBENZENE	17.291	105	116359	1.57	PPBV	97
67) 1,2,4-TRIMETHYLBENZENE	17.756	105	109161	1.56	PPBV	99
68) m-DICHLOROBENZENE	17.939	146	72641	1.54	PPBV	99
69) BENZYL CHLORIDE	17.917	91	46385	1.12	PPBV	98
70) p-DICHLOROBENZENE	18.013	146	71778	1.52	PPBV	96
71) o-DICHLOROBENZENE	18.400	146	67267	1.54	PPBV	98
72) HEXACHLOROBUTADIENE	20.798	225	43134	1.84	PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.310	180	21627	1.31	PPBV	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3981.D
Acq On : 16 Jul 2007 7:44 pm
Operator : danat
Sample : ic214-2 (M211)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 17 08:16:52 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:16:40 2007
Response via : Initial Calibration



ACCUTEST Laboratories M66993

Manual Integrations APPROVED (compounds with "m" flag)
Philip Bassignani 07/18/07 19:08

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3982.D
Acq On : 16 Jul 2007 8:26 pm
Operator : danat
Sample : ic214-0.5 (M210)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 17 08:20:19 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:18:23 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.635	128	196436	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.463	114	898497	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.705	117	762074	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.323	95	260219	4.52	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 90.40%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.037	85	33383	0.52	PPBV	96
3) PROPYLENE	3.969	41	5450m	0.49	PPBV	
4) FREON 114	4.298	85	30786	0.52	PPBV	99
5) CHLOROMETHANE	4.193	50	6815	0.48	PPBV #	42
6) VINYL CHLORIDE	4.418	62	7979	0.48	PPBV	90
7) 1,3-BUTADIENE	4.553	39	7326	0.55	PPBV #	23
8) BROMOMETHANE	4.827	94	9674	0.51	PPBV #	57
9) CHLOROETHANE	5.009	64	3980	0.57	PPBV #	61
10) TRICHLOROFLUOROMETHANE	5.794	101	35548	0.58	PPBV	99
11) ISOPROPYL ALCOHOL	5.845	45	19323	0.80	PPBV	93
12) ACETONE	5.611	43	21472	0.84	PPBV	97
13) PENTANE	6.140	42	7782m	0.56	PPBV	
14) 1,1-DICHLOROETHYLENE	6.429	96	9567	0.53	PPBV	94
15) CARBON DISULFIDE	6.862	76	22470	0.49	PPBV	94
16) ETHANOL	5.116	45	3143m	0.72	PPBV	
17) BROMOETHENE	5.370	106	10273	0.55	PPBV #	91
18) METHYLENE CHLORIDE	6.534	84	19466	0.89	PPBV	99
19) 3-CHLOROPROPENE	6.663	39	7752	0.58	PPBV #	79
20) FREON 113	6.804	151	24522	0.59	PPBV	98
21) TRANS-1,2-DICHLOROETHY...	7.471	96	8761	0.51	PPBV	93
22) TERTIARY BUTYL ALCOHOL	6.465	59	16229	0.53	PPBV	85
23) METHYL TERTIARY BUTYL ...	7.727	73	20083	0.50	PPBV	93
24) TETRAHYDROFURAN	9.169	42	6006	0.47	PPBV #	76
25) HEXANE	8.669	57	20205	0.79	PPBV	97
26) VINYL ACETATE	7.796	43	14182	0.49	PPBV	93
27) 1,1-DICHLOROETHANE	7.666	63	15078	0.53	PPBV	99
28) METHYL ETHYL KETONE	8.048	43	13964	0.55	PPBV	95
29) cis-1,2-DICHLOROETHYLENE	8.472	96	7412	0.47	PPBV	97
30) ETHYL ACETATE	8.676	43	27945	0.60	PPBV #	95
31) CHLOROFORM	8.752	83	20365	0.51	PPBV	98
32) 1,1,1-TRICHLOROETHANE	9.714	97	20211	0.50	PPBV	98
33) CARBON TETRACHLORIDE	10.291	117	23125	0.48	PPBV	98
34) 1,2-DICHLOROETHANE	9.462	62	11552	0.48	PPBV	96
36) BENZENE	10.151	78	19179	0.45	PPBV	99
37) CYCLOHEXANE	10.415	84	8315	0.46	PPBV	100
38) TRICHLOROETHYLENE	11.147	95	10350	0.44	PPBV	90
39) 1,2-DICHLOROPROPANE	10.923	63	7272	0.50	PPBV	96
40) BROMODICHLOROMETHANE	11.104	83	16086	0.42	PPBV	97
41) 2,2,4-TRIMETHYLPENTANE	11.168	57	30682	0.47	PPBV	98
42) 1,4-DIOXANE	11.161	88	4015	0.48	PPBV #	1
43) HEPTANE	11.404	43	11193	0.47	PPBV	92

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3982.D
Acq On : 16 Jul 2007 8:26 pm
Operator : danat
Sample : ic214-0.5 (M210)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 17 08:20:19 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:18:23 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.993	43	13986	0.46	PPBV	96
45) cis-1,3-DICHLOROPROPENE	11.966	75	9146	0.41	PPBV	93
46) TOLUENE	12.918	92	13119	0.43	PPBV	100
47) trans-1,3-DICHLOROPROPENE	12.462	75	7753	0.36	PPBV	94
48) 1,1,2-TRICHLOROETHANE	12.643	83	7148	0.45	PPBV	98
50) 2-HEXANONE	13.159	43	12565	0.50	PPBV	95
51) TETRACHLOROETHYLENE	14.057	164	12458	0.48	PPBV	97
52) DIBROMOCHLOROMETHANE	13.353	129	14127	0.38	PPBV	97
53) 1,2-DIBROMOETHANE	13.597	107	12953	0.46	PPBV #	98
54) CHLOROBENZENE	14.749	112	18637	0.45	PPBV	96
55) ETHYLBENZENE	15.127	91	27066	0.40	PPBV	97
56) m,p-XYLENE	15.323	106	20206m	0.78	PPBV	
57) o-XYLENE	15.821	106	10481	0.40	PPBV	95
58) STYRENE	15.702	104	12720	0.34	PPBV	96
59) NONANE	16.024	43	13031	0.39	PPBV	93
60) BROMOFORM	15.420	173	12525	0.34	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.809	83	18629	0.48	PPBV	96
63) ISOPROPYLBENZENE	16.467	105	32602	0.41	PPBV	99
64) 2-CHLOROTOLUENE	17.019	91	22818	0.40	PPBV	98
65) 4-ETHYLTOLUENE	17.209	105	27226	0.38	PPBV	98
66) 1,3,5-TRIMETHYLBENZENE	17.296	105	28706	0.42	PPBV	100
67) 1,2,4-TRIMETHYLBENZENE	17.756	105	25520	0.39	PPBV	99
68) m-DICHLOROBENZENE	17.942	146	19093	0.44	PPBV	94
69) BENZYL CHLORIDE	17.917	91	11288	0.31	PPBV	93
70) p-DICHLOROBENZENE	18.013	146	14458	0.33	PPBV	80
71) o-DICHLOROBENZENE	18.404	146	19673	0.49	PPBV	99
72) HEXACHLOROBUTADIENE	20.796	225	31622	1.42	PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.306	180	11854	0.80	PPBV	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
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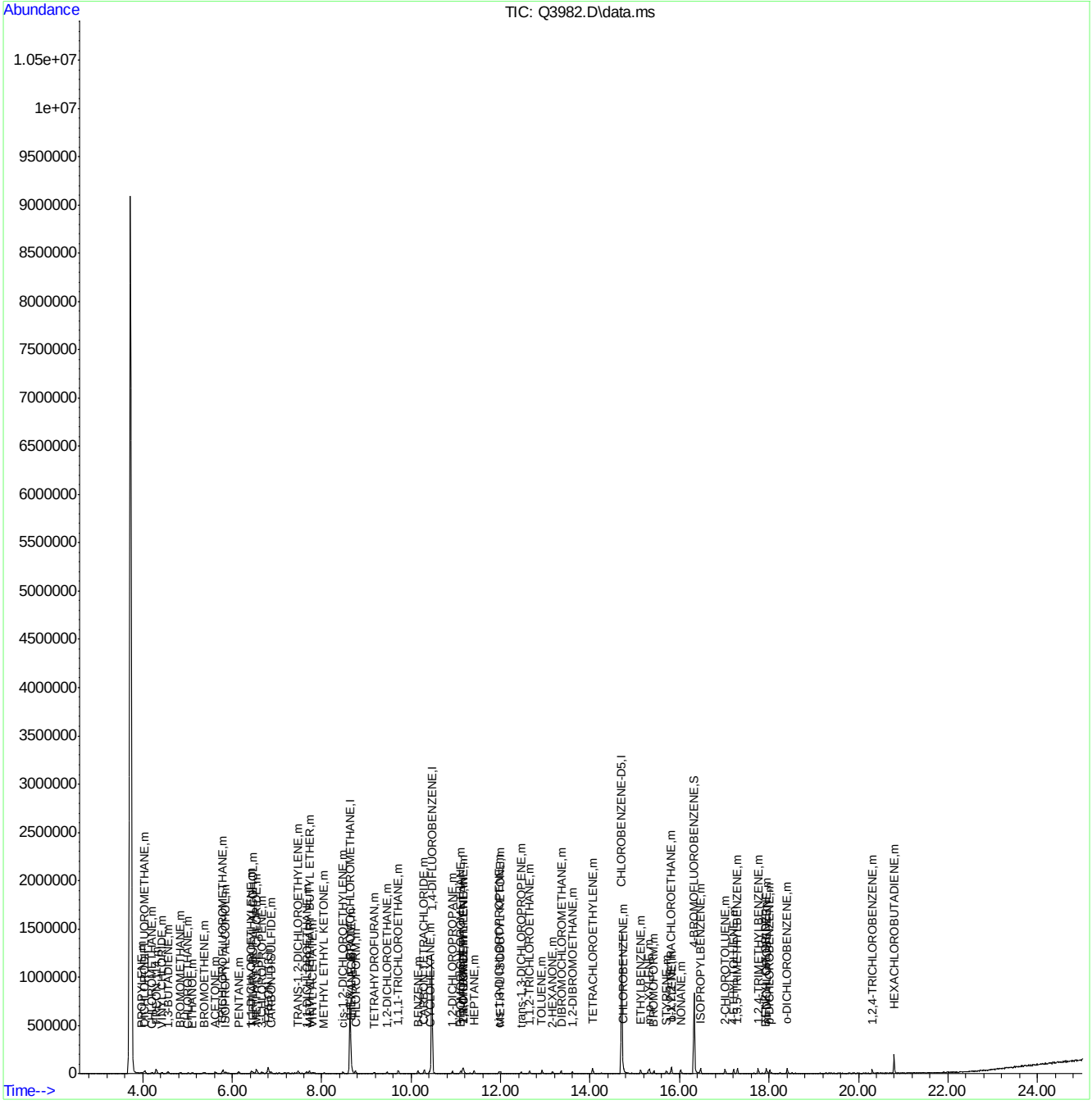
Acq On : 16 Jul 2007 8:26 pm
Operator : danat
Sample : ic214-0.5 (M210)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 17 08:20:19 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:18:23 2007
Response via : Initial Calibration

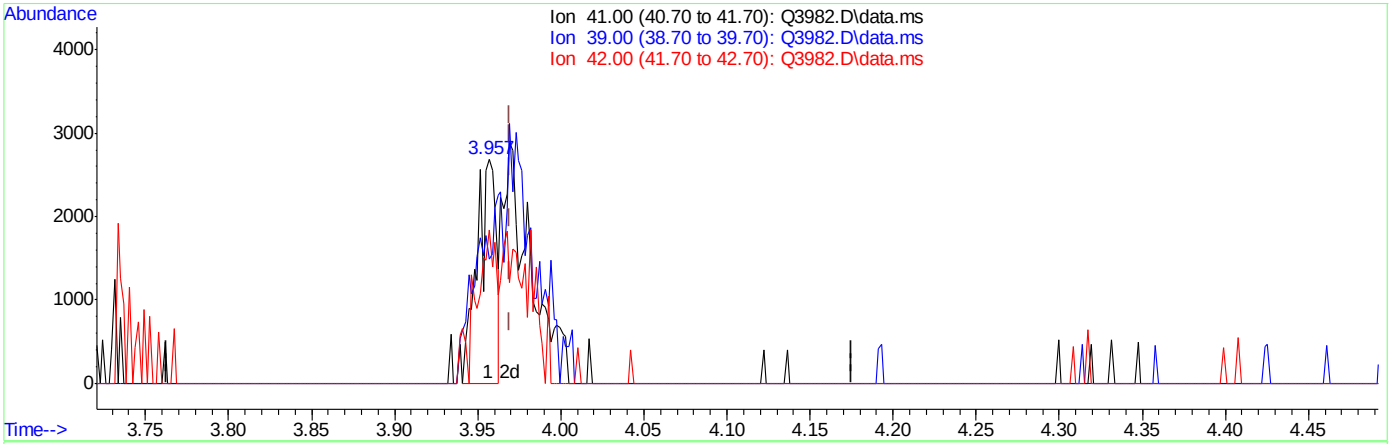


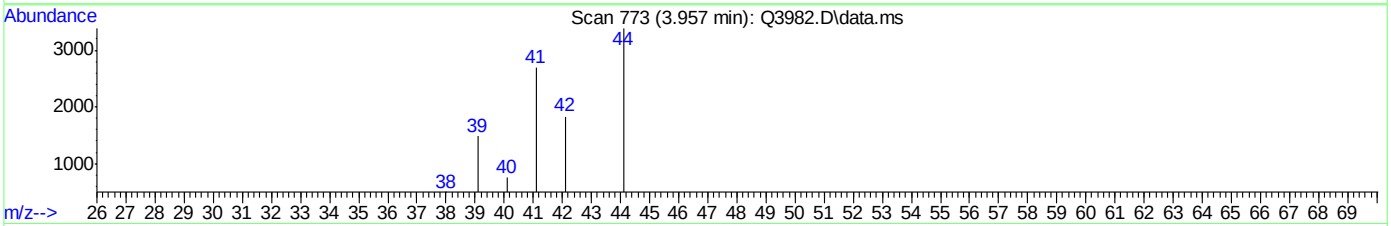
ACCUTEST Laboratories M66993

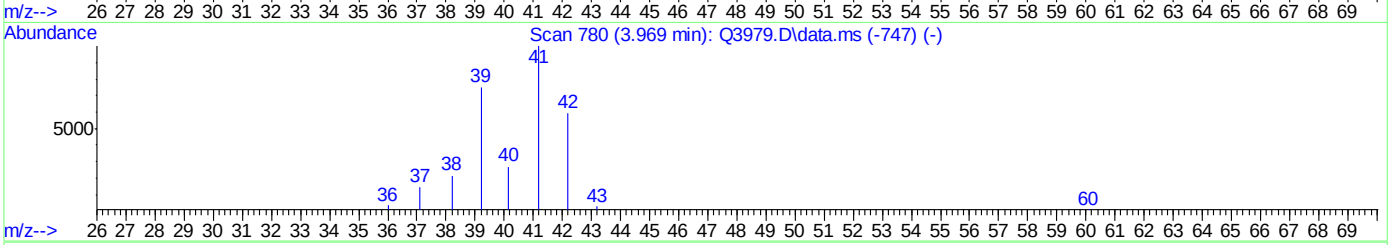
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3982.D
Acq On : 16 Jul 2007 8:26 pm
Operator : danat
Sample : ic214-0.5 (M210)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 17 08:18:32 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:18:23 2007
Response via : Initial Calibration







TIC: Q3982.D\data.ms

(3) PROPYLENE (m)

3.957min (-0.012) 0.19PPBV

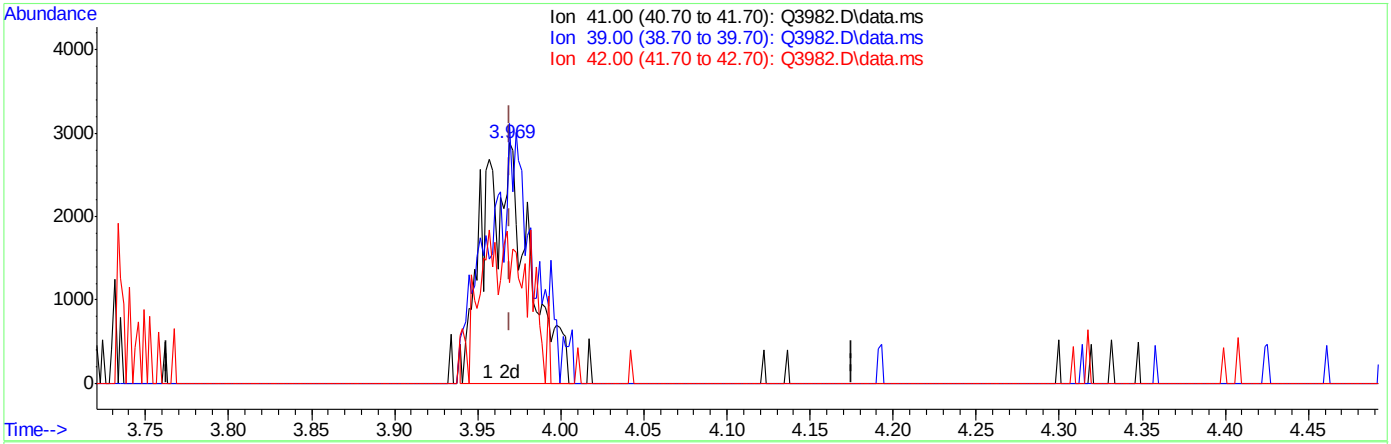
response 2110

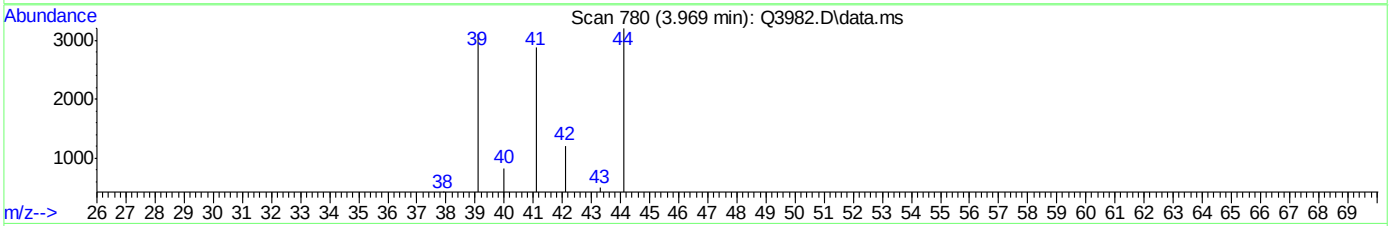
Ion	Exp%	Act%
41.00	100	100
39.00	75.10	55.29
42.00	59.30	68.24
0.00	0.00	0.00

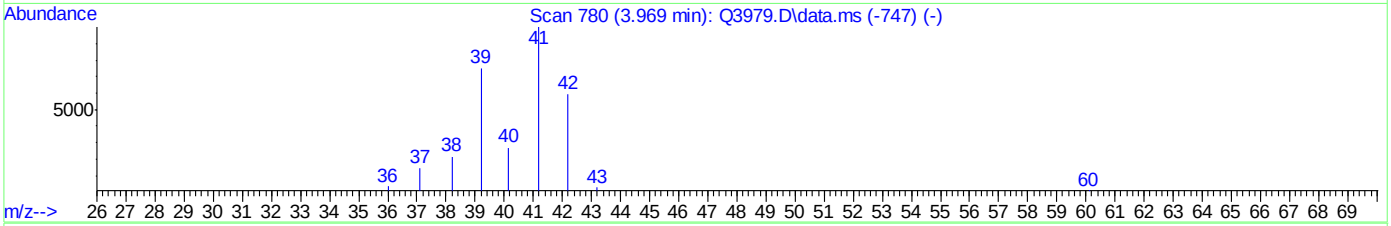
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3982.D
Acq On : 16 Jul 2007 8:26 pm
Operator : danat
Sample : ic214-0.5 (M210)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 17 08:18:32 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:18:23 2007
Response via : Initial Calibration







TIC: Q3982.D\data.ms

(3) PROPYLENE (m)

3.969min (+0.000) 0.49PPBV m

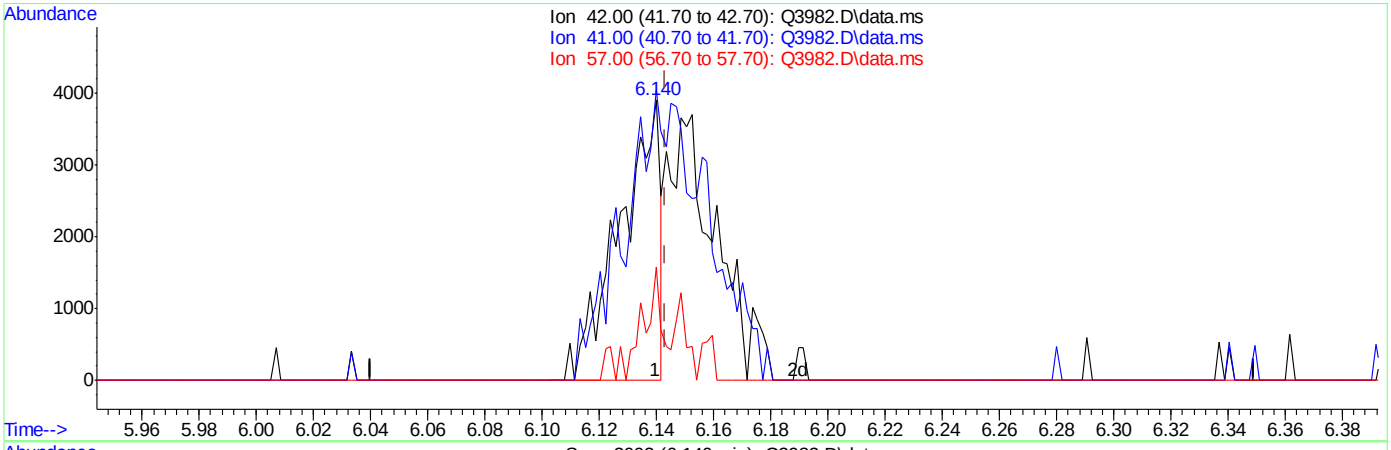
response 5450

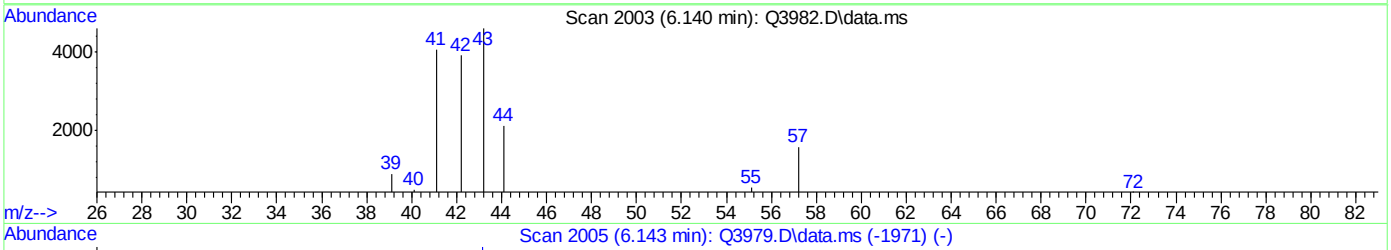
Ion	Exp%	Act%
41.00	100	100
39.00	75.10	108.01#
42.00	59.30	41.83
0.00	0.00	0.00

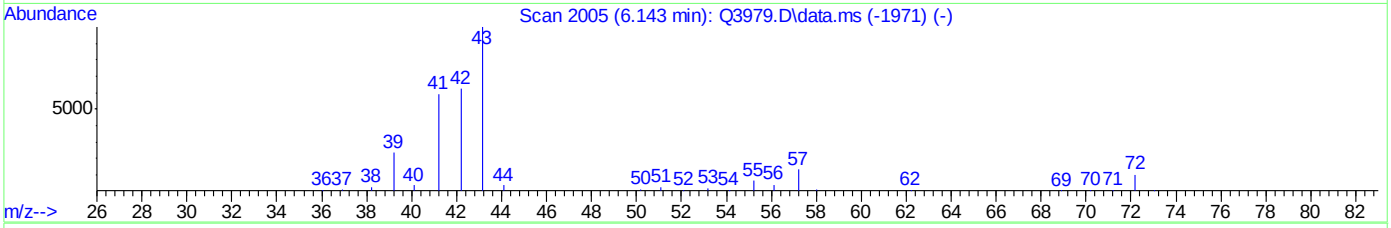
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3982.D
Acq On : 16 Jul 2007 8:26 pm
Operator : danat
Sample : ic214-0.5 (M210)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 17 08:18:32 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:18:23 2007
Response via : Initial Calibration







TIC: Q3982.D\data.ms

(13) PENTANE (m)

6.140min (-0.003) 0.28PPBV

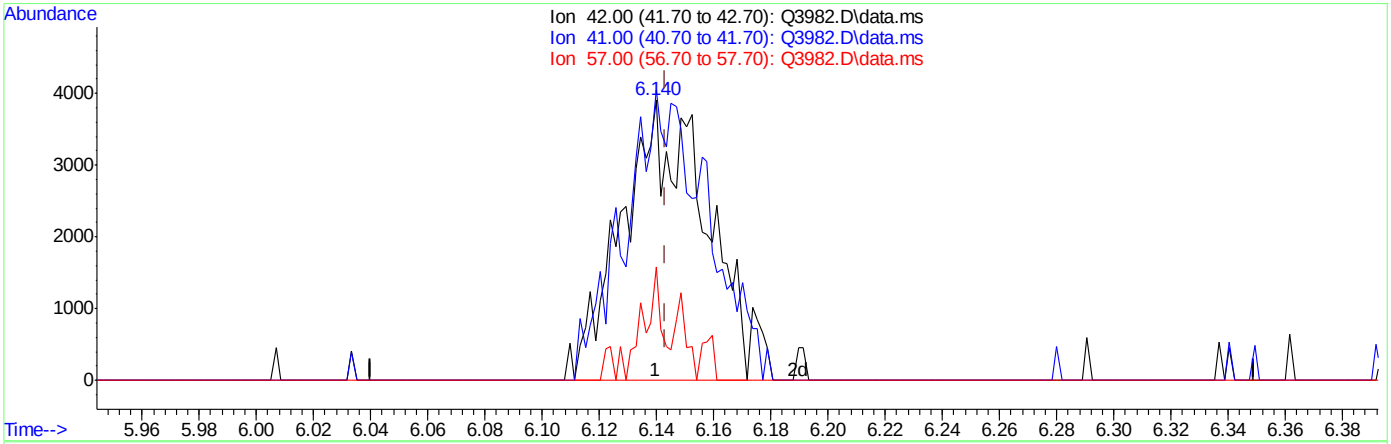
response 3846

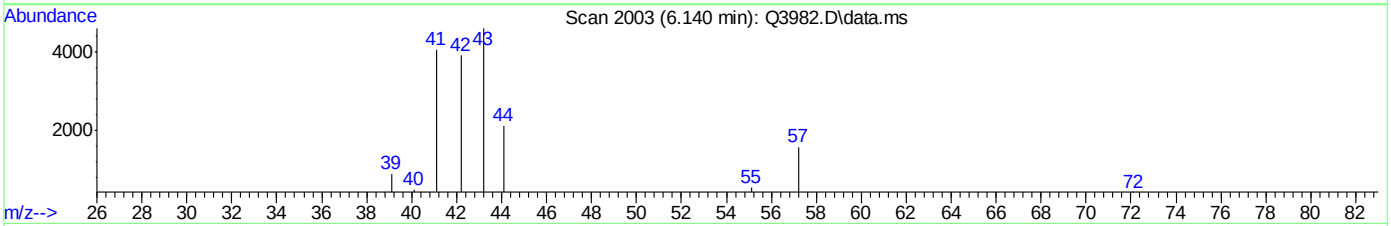
Ion	Exp%	Act%
42.00	100	100
41.00	102.30	212.17#
57.00	25.00	22.02
0.00	0.00	0.00

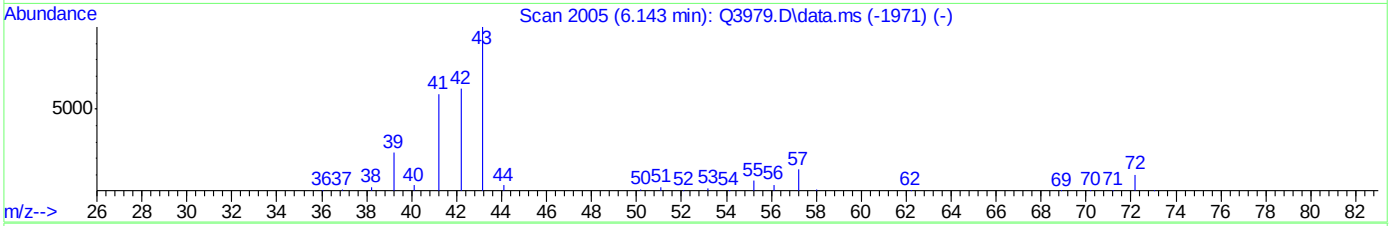
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3982.D
Acq On : 16 Jul 2007 8:26 pm
Operator : danat
Sample : ic214-0.5 (M210)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 17 08:18:32 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:18:23 2007
Response via : Initial Calibration







TIC: Q3982.D\data.ms

(13) PENTANE (m)

6.140min (-0.003) 0.56PPBV m

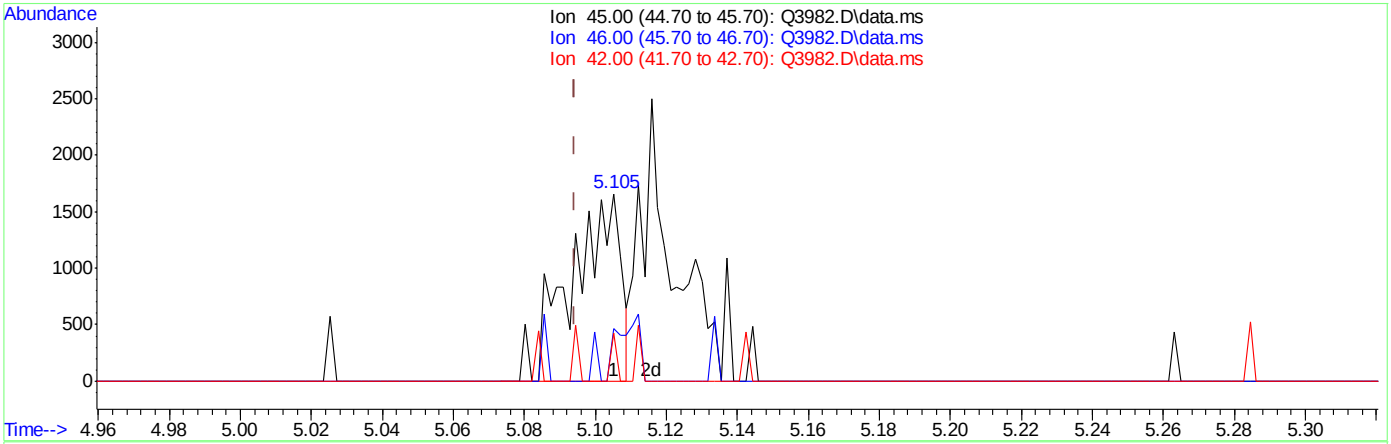
response 7782

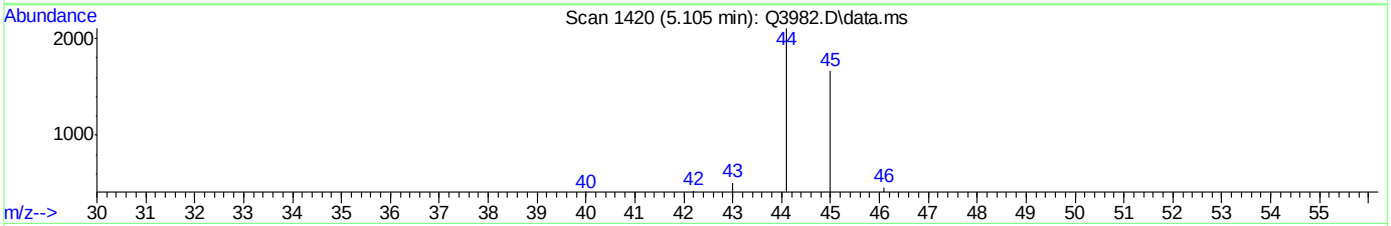
Ion	Exp%	Act%
42.00	100	100
41.00	102.30	104.86
57.00	25.00	10.88
0.00	0.00	0.00

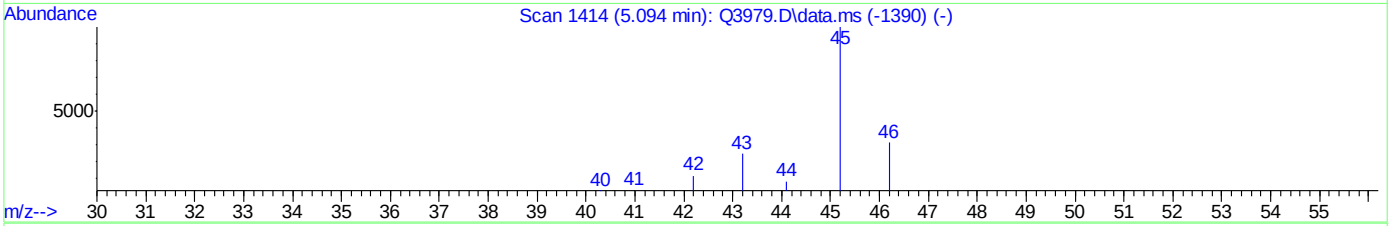
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3982.D
Acq On : 16 Jul 2007 8:26 pm
Operator : danat
Sample : ic214-0.5 (M210)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 17 08:18:32 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:18:23 2007
Response via : Initial Calibration







TIC: Q3982.D\data.ms

(16) ETHANOL (m)

5.105min (+0.011) 0.37PPBV

response 1592

Ion	Exp%	Act%
45.00	100	100
46.00	33.80	0.00#
42.00	5.90	2.89
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3982.D
Acq On : 16 Jul 2007 8:26 pm
Operator : danat
Sample : ic214-0.5 (M210)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 17 08:18:32 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
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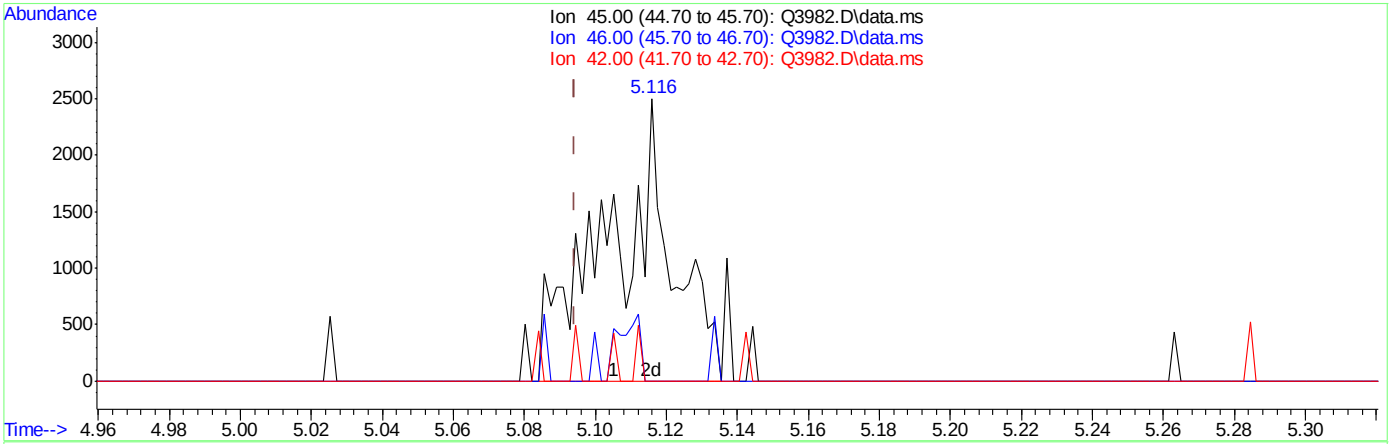
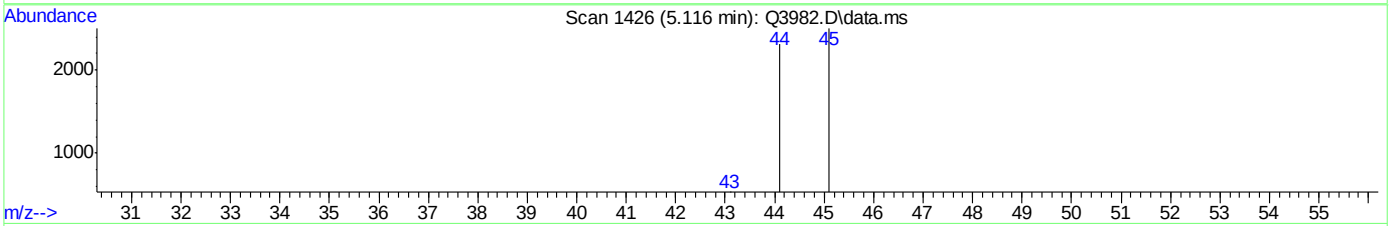
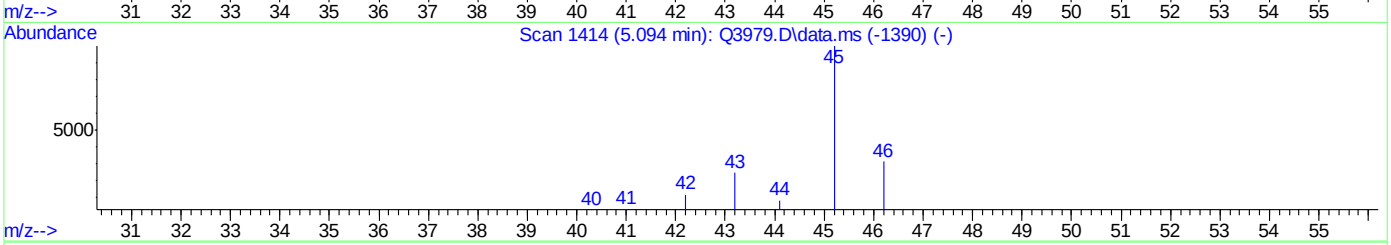






TIC: Q3982.D\data.ms

(16) ETHANOL (m)

5.116min (+0.021) 0.72PPBV m

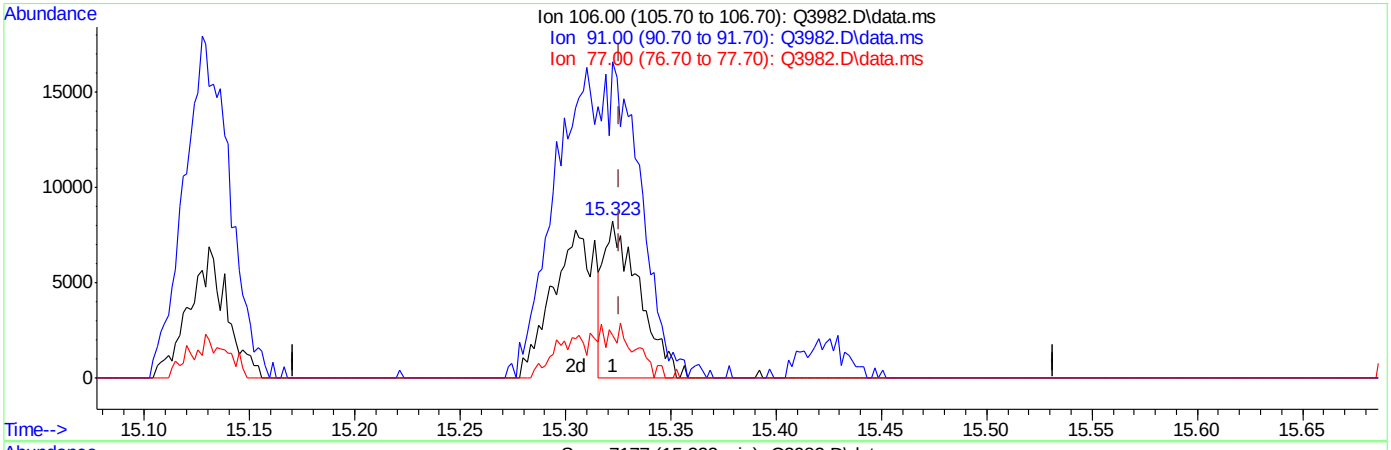
response 3143

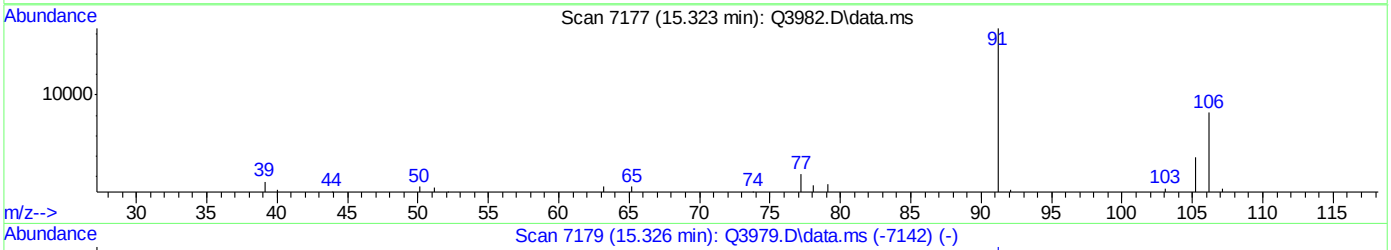
Ion	Exp%	Act%
45.00	100	100
46.00	33.80	0.00#
42.00	5.90	1.46
0.00	0.00	0.00

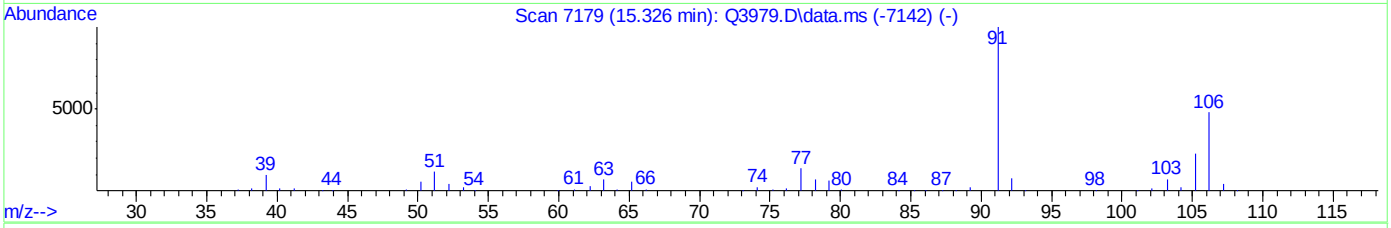
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3982.D
Acq On : 16 Jul 2007 8:26 pm
Operator : danat
Sample : ic214-0.5 (M210)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 17 08:18:32 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:18:23 2007
Response via : Initial Calibration







TIC: Q3982.D\data.ms

(56) m,p-XYLENE (m)

15.323min (-0.003) 0.37PPBV

response 9643

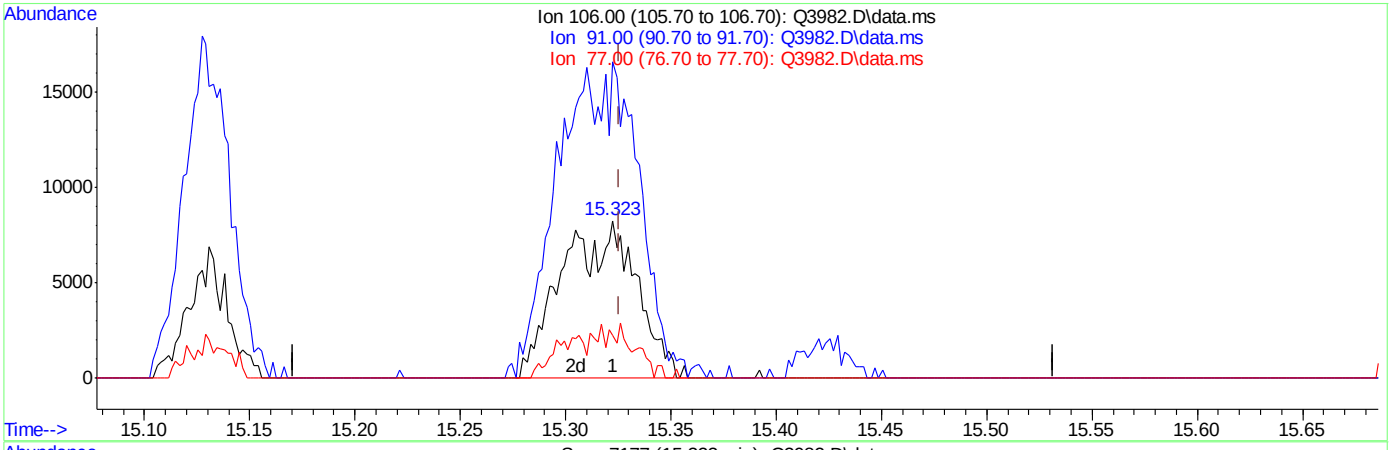
Ion	Exp%	Act%
106.00	100	100
91.00	209.40	200.63
77.00	28.30	26.84
0.00	0.00	0.00

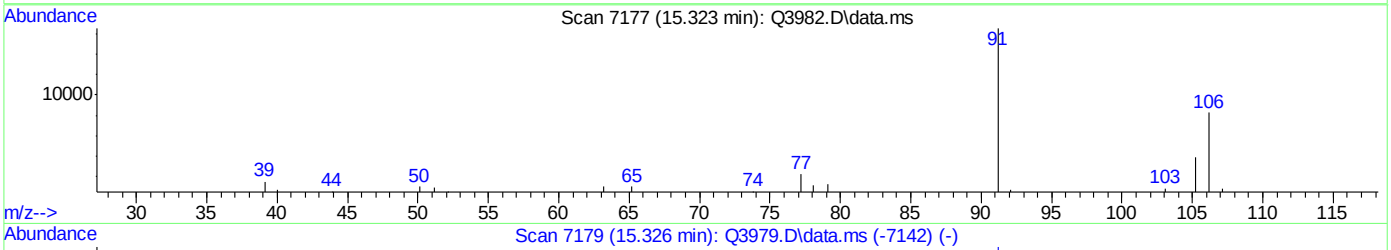
ACCUTEST Laboratories M66993

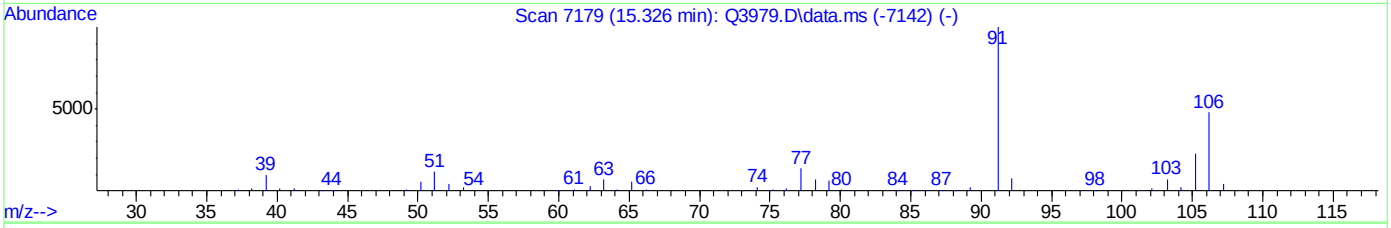
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3982.D
Acq On : 16 Jul 2007 8:26 pm
Operator : danat
Sample : ic214-0.5 (M210)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 17 08:18:32 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:18:23 2007
Response via : Initial Calibration







TIC: Q3982.D\data.ms

(56) m,p-XYLENE (m)

15.323min (-0.003) 0.78PPBV m

response 20206

Ion	Exp%	Act%
106.00	100	100
91.00	209.40	200.63
77.00	28.30	26.84
0.00	0.00	0.00

ACCUTEST Laboratories M66993

Q3983.D

Manual Integrations APPROVED (compounds with "m" flag)

Philip Bassignani 07/18/07 19:08

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3983.D
Acq On : 16 Jul 2007 9:09 pm
Operator : danat
Sample : ic214-0.2 (M210)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 17 08:24:58 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:21:05 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.633	128	189375	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.463	114	853254	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.705	117	728923	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.325	95	249172	4.60	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 92.00%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.040	85	15158	0.24	PPBV	96
3) PROPYLENE	3.959	41	1169	0.11	PPBV #	73
4) FREON 114	4.292	85	14083	0.25	PPBV	94
5) CHLOROMETHANE	4.196	50	3033	0.22	PPBV	82
6) VINYL CHLORIDE	4.429	62	3554	0.22	PPBV #	69
7) 1,3-BUTADIENE	4.557	39	2711	0.21	PPBV #	75
8) BROMOMETHANE	4.830	94	3665	0.20	PPBV	85
9) CHLOROETHANE	5.006	64	645	0.09	PPBV #	59
10) TRICHLOROFLUOROMETHANE	5.792	101	14776	0.24	PPBV	95
11) ISOPROPYL ALCOHOL	5.843	45	10622	0.42	PPBV	91
12) ACETONE	5.618	43	12921	0.47	PPBV	90
13) PENTANE	6.149	42	2787	0.20	PPBV #	73
14) 1,1-DICHLOROETHYLENE	6.417	96	3686m	0.21	PPBV	
15) CARBON DISULFIDE	6.862	76	9183	0.21	PPBV	83
16) ETHANOL	5.119	45	1154	0.26	PPBV	81
17) BROMOETHENE	5.371	106	3595	0.20	PPBV #	92
18) METHYLENE CHLORIDE	6.536	84	12336	0.52	PPBV	99
19) 3-CHLOROPROPENE	6.669	39	2636	0.20	PPBV #	78
20) FREON 113	6.797	151	11718	0.28	PPBV	99
21) TRANS-1,2-DICHLOROETHY...	7.471	96	3825	0.23	PPBV #	75
22) TERTIARY BUTYL ALCOHOL	6.461	59	5983m	0.20	PPBV	
23) METHYL TERTIARY BUTYL ...	7.725	73	8383	0.22	PPBV	84
24) TETRAHYDROFURAN	9.168	42	2015	0.17	PPBV #	45
25) HEXANE	8.662	57	10987	0.41	PPBV	91
26) VINYL ACETATE	7.792	43	6568	0.24	PPBV #	17
27) 1,1-DICHLOROETHANE	7.659	63	5973m	0.22	PPBV	
28) METHYL ETHYL KETONE	8.042	43	5888	0.24	PPBV	85
29) cis-1,2-DICHLOROETHYLENE	8.479	96	2919	0.19	PPBV #	79
30) ETHYL ACETATE	8.674	43	14102	0.30	PPBV #	94
31) CHLOROFORM	8.752	83	7944	0.21	PPBV	94
32) 1,1,1-TRICHLOROETHANE	9.720	97	8026	0.21	PPBV	97
33) CARBON TETRACHLORIDE	10.291	117	9029	0.20	PPBV	100
34) 1,2-DICHLOROETHANE	9.462	62	4293	0.19	PPBV	97
36) BENZENE	10.146	78	7594	0.19	PPBV	93
37) CYCLOHEXANE	10.419	84	3091	0.18	PPBV	90
38) TRICHLOROETHYLENE	11.143	95	4469	0.20	PPBV #	38
39) 1,2-DICHLOROPROPANE	10.925	63	2041	0.15	PPBV #	76
40) BROMODICHLOROMETHANE	11.111	83	6385	0.18	PPBV	97
41) 2,2,4-TRIMETHYLPENTANE	11.168	57	10369	0.17	PPBV	72
42) 1,4-DIOXANE	11.168	88	1460	0.19	PPBV #	1
43) HEPTANE	11.406	43	3925	0.17	PPBV	89

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3983.D
Acq On : 16 Jul 2007 9:09 pm
Operator : danat
Sample : ic214-0.2 (M210)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 17 08:24:58 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:21:05 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.993	43	5126	0.18	PPBV	79
45) cis-1,3-DICHLOROPROPENE	11.966	75	3767	0.18	PPBV	89
46) TOLUENE	12.921	92	5790	0.20	PPBV	92
47) trans-1,3-DICHLOROPROPENE	12.469	75	2850	0.15	PPBV #	38
48) 1,1,2-TRICHLOROETHANE	12.644	83	2707	0.18	PPBV	96
50) 2-HEXANONE	13.156	43	4158	0.17	PPBV #	84
51) TETRACHLOROETHYLENE	14.062	164	4484	0.18	PPBV	92
52) DIBROMOCHLOROMETHANE	13.349	129	5802	0.17	PPBV #	26
53) 1,2-DIBROMOETHANE	13.603	107	5192	0.19	PPBV #	99
54) CHLOROBENZENE	14.753	112	7577	0.20	PPBV	95
55) ETHYLBENZENE	15.127	91	10377	0.17	PPBV	84
56) m,p-XYLENE	15.323	106	7451m	0.31	PPBV	
57) o-XYLENE	15.816	106	3837	0.16	PPBV	95
58) STYRENE	15.709	104	4746	0.14	PPBV	97
59) NONANE	16.022	43	4824	0.16	PPBV #	90
60) BROMOFORM	15.429	173	4552	0.14	PPBV	94
62) 1,1,2,2-TETRACHLOROETHANE	15.807	83	7277	0.20	PPBV	97
63) ISOPROPYLBENZENE	16.464	105	12622	0.17	PPBV	95
64) 2-CHLOROTOLUENE	17.016	91	9048	0.17	PPBV	75
65) 4-ETHYLTOLUENE	17.207	105	10144m	0.15	PPBV	
66) 1,3,5-TRIMETHYLBENZENE	17.293	105	10773	0.17	PPBV	89
67) 1,2,4-TRIMETHYLBENZENE	17.759	105	8767	0.15	PPBV	95
68) m-DICHLOROBENZENE	17.939	146	7327	0.18	PPBV	99
69) BENZYL CHLORIDE	17.914	91	3234	0.10	PPBV	83
70) p-DICHLOROBENZENE	18.020	146	7266	0.19	PPBV	94
71) o-DICHLOROBENZENE	18.404	146	7410	0.19	PPBV	95
72) HEXACHLOROBUTADIENE	20.796	225	12574	0.45	PPBV	95
73) 1,2,4-TRICHLOROBENZENE	20.311	180	4294	0.27	PPBV	88

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

Quantitation Report (QT Reviewed)

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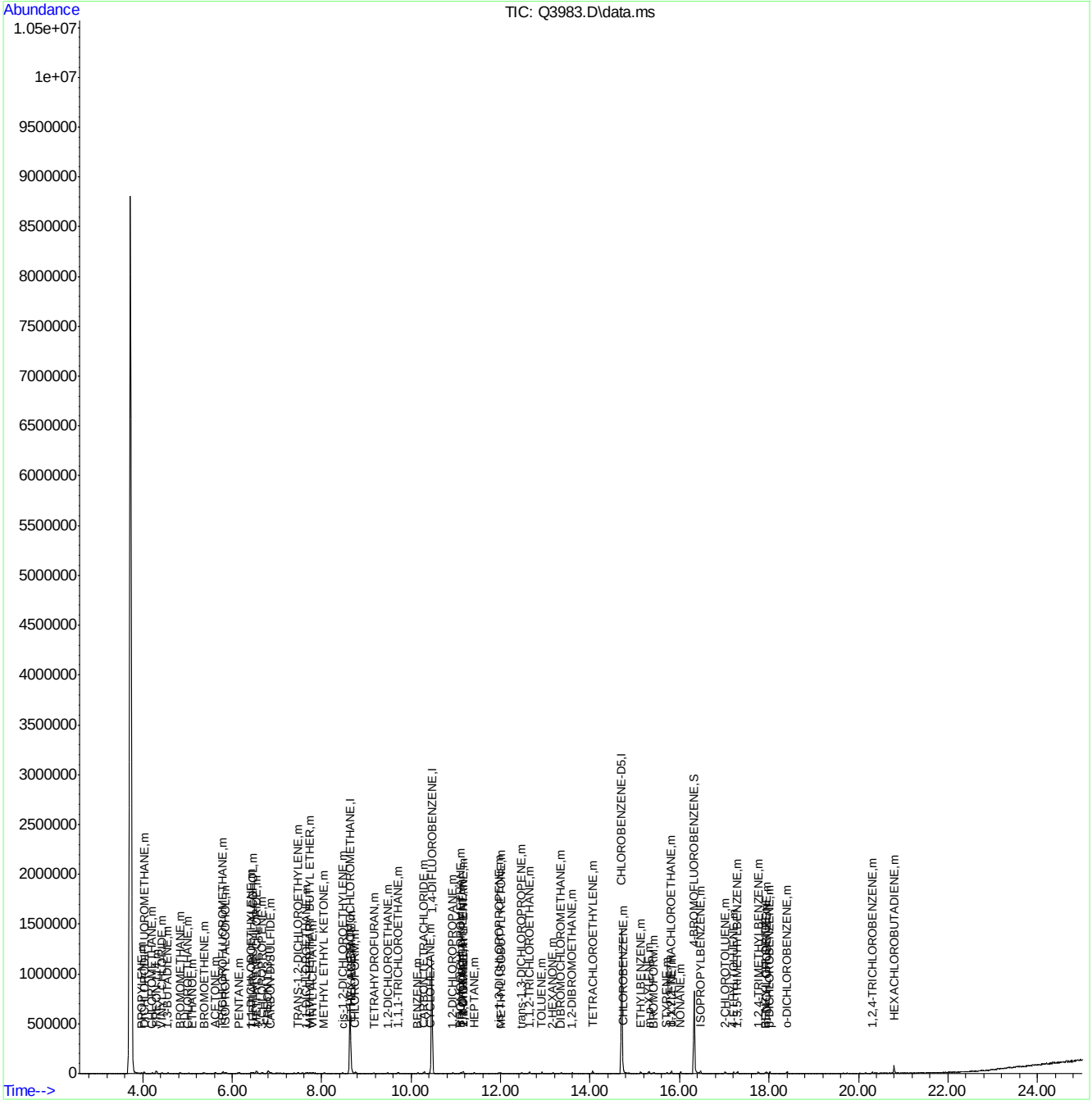
Acq On : 16 Jul 2007 9:09 pm
Operator : danat
Sample : ic214-0.2 (M210)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 17 08:24:58 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:21:05 2007
Response via : Initial Calibration

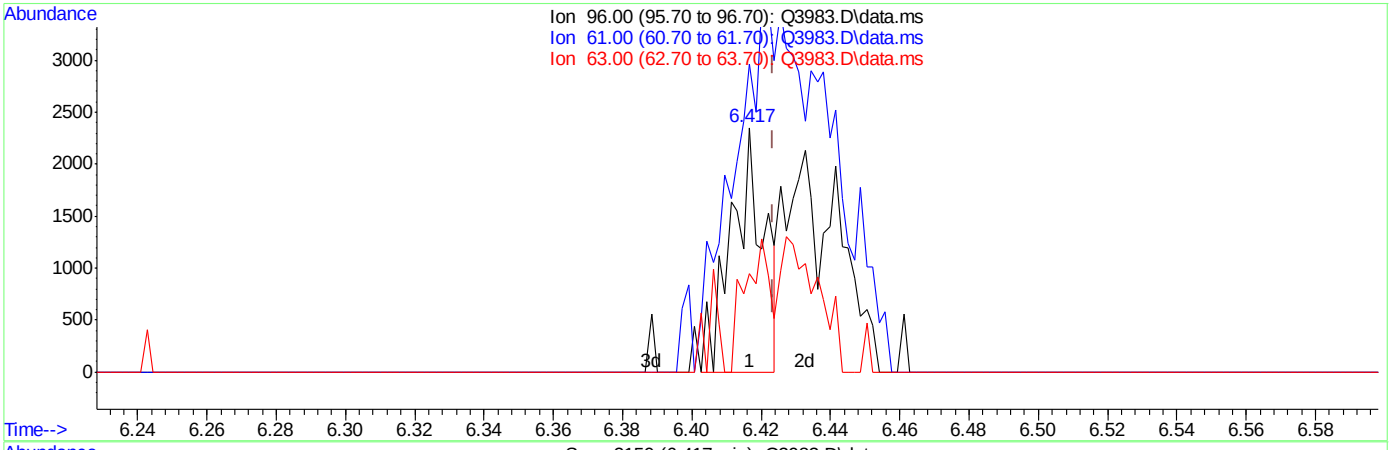


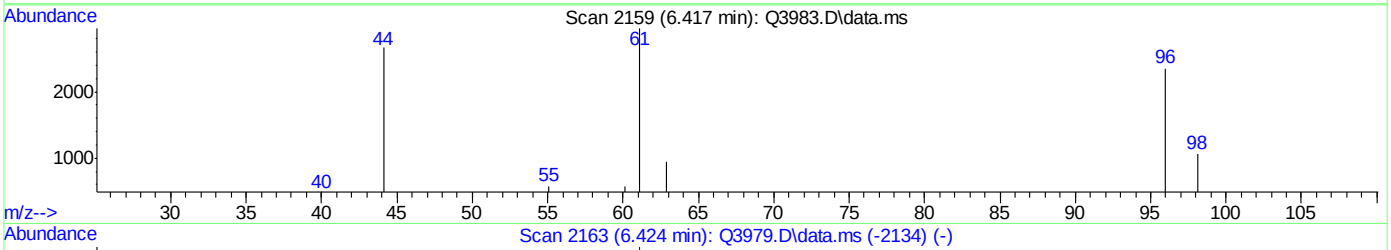
ACCUTEST Laboratories M66993

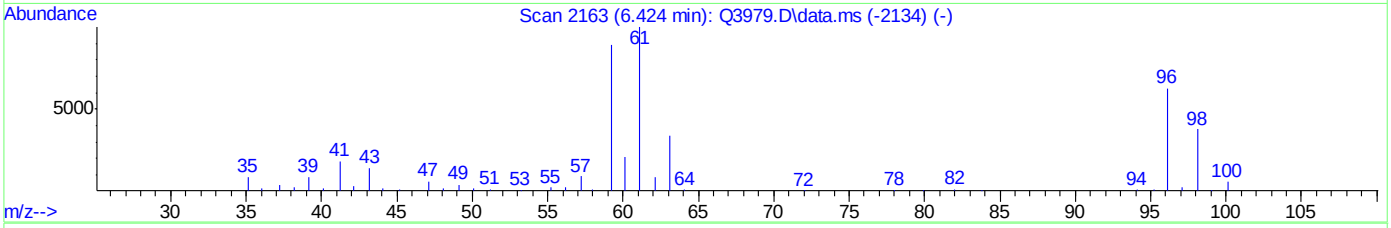
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3983.D
Acq On : 16 Jul 2007 9:09 pm
Operator : danat
Sample : ic214-0.2 (M210)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 17 08:21:24 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:21:05 2007
Response via : Initial Calibration







TIC: Q3983.D\data.ms

(14) 1,1-DICHLOROETHYLENE (m)

6.417min (-0.007) 0.09PPBV

response 1536

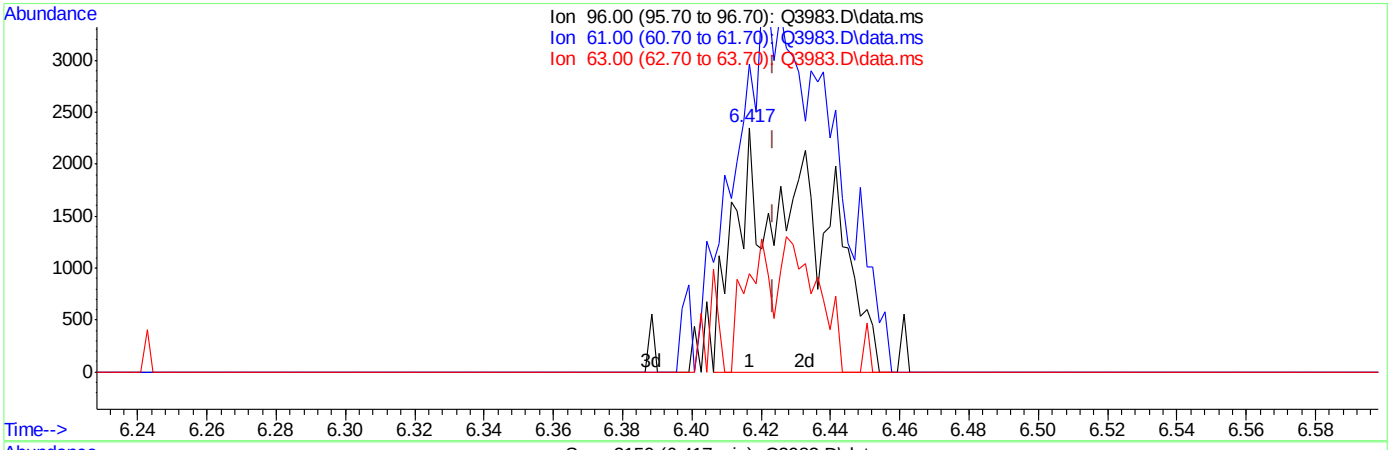
Ion	Exp%	Act%
96.00	100	100
61.00	168.60	458.46#
63.00	54.00	42.64
0.00	0.00	0.00

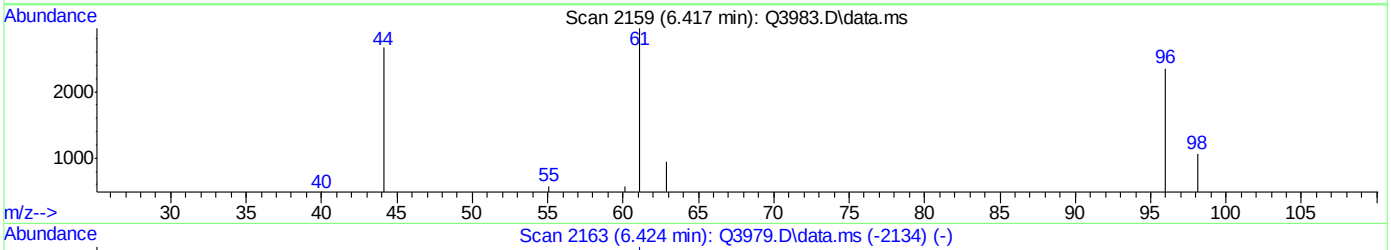
ACCUTEST Laboratories M66993

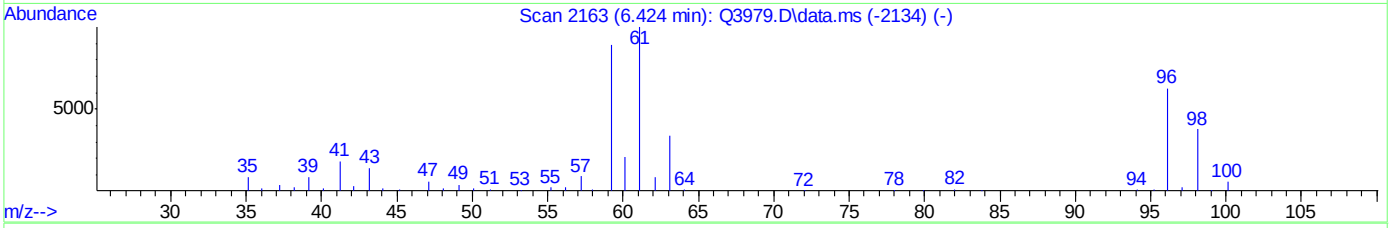
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3983.D
Acq On : 16 Jul 2007 9:09 pm
Operator : danat
Sample : ic214-0.2 (M210)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 17 08:21:24 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:21:05 2007
Response via : Initial Calibration







TIC: Q3983.D\data.ms

(14) 1,1-DICHLOROETHYLENE (m)

6.417min (-0.007) 0.21PPBV m

response 3686

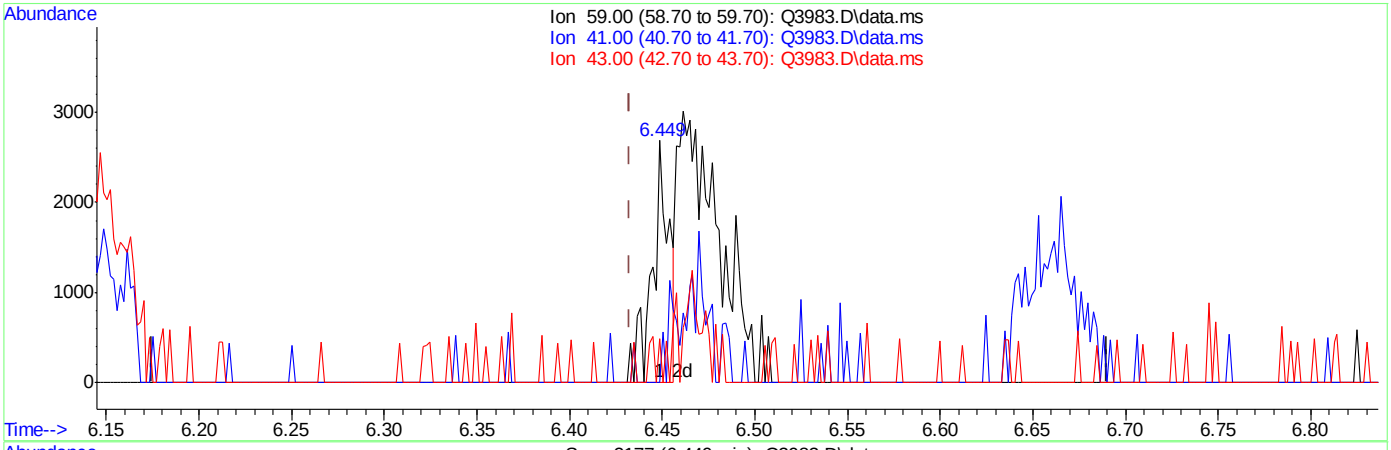
Ion	Exp%	Act%
96.00	100	100
61.00	168.60	191.05#
63.00	54.00	17.77#
0.00	0.00	0.00

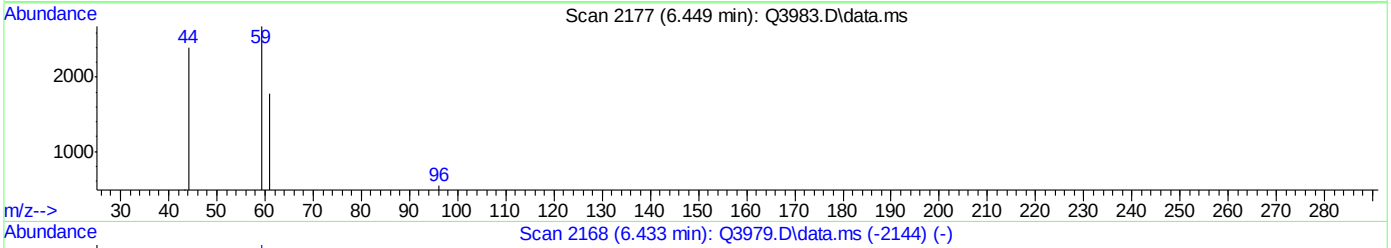
ACCUTEST Laboratories M66993

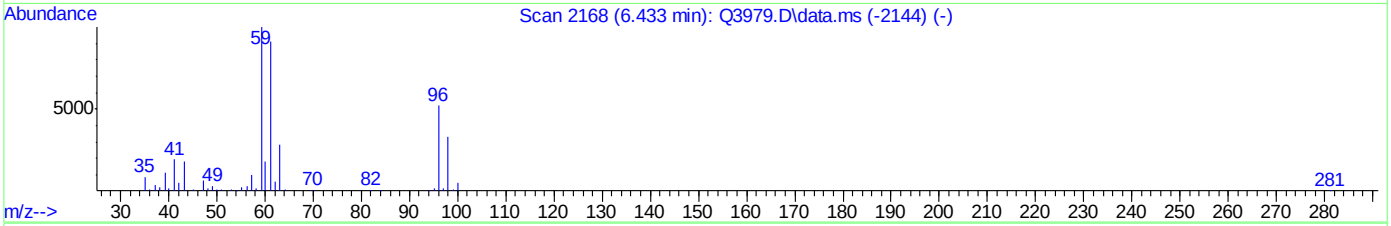
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3983.D
Acq On : 16 Jul 2007 9:09 pm
Operator : danat
Sample : ic214-0.2 (M210)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 17 08:21:24 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:21:05 2007
Response via : Initial Calibration







TIC: Q3983.D\data.ms

(22) TERTIARY BUTYL ALCOHOL (m)

6.449min (+0.016) 0.06PPBV

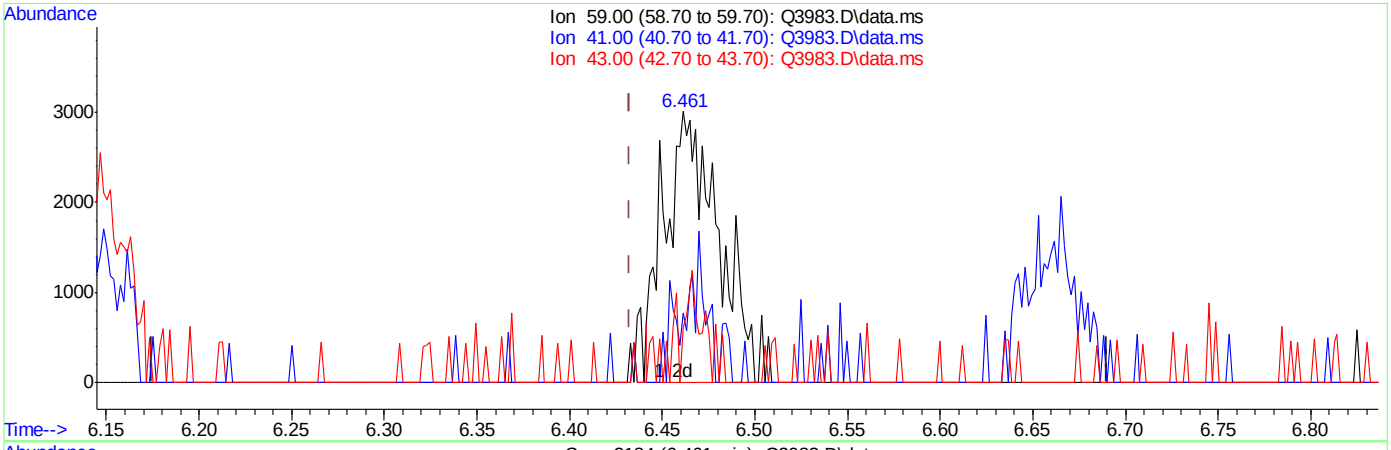
response 1658

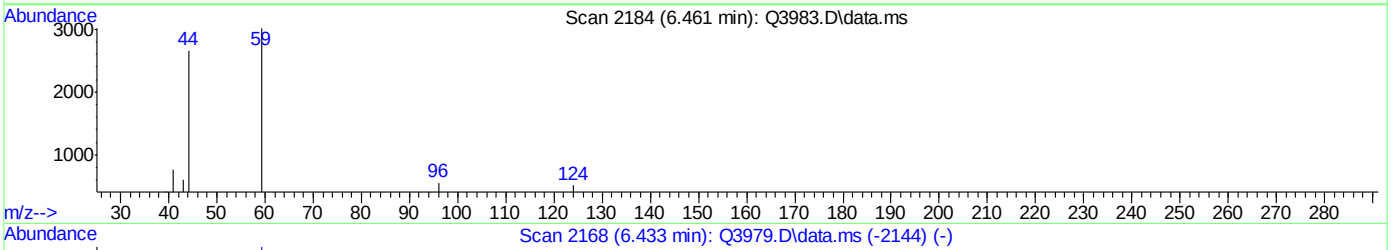
Ion	Exp%	Act%
59.00	100	100
41.00	20.70	0.00#
43.00	17.30	2.90
0.00	0.00	0.00

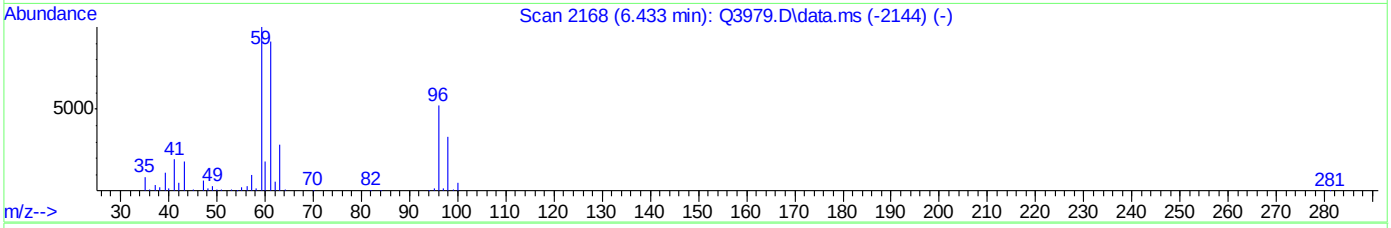
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3983.D
Acq On : 16 Jul 2007 9:09 pm
Operator : danat
Sample : ic214-0.2 (M210)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 17 08:21:24 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:21:05 2007
Response via : Initial Calibration







TIC: Q3983.D\data.ms

(22) TERTIARY BUTYL ALCOHOL (m)

6.461min (+0.029) 0.20PPBV m

response 5983

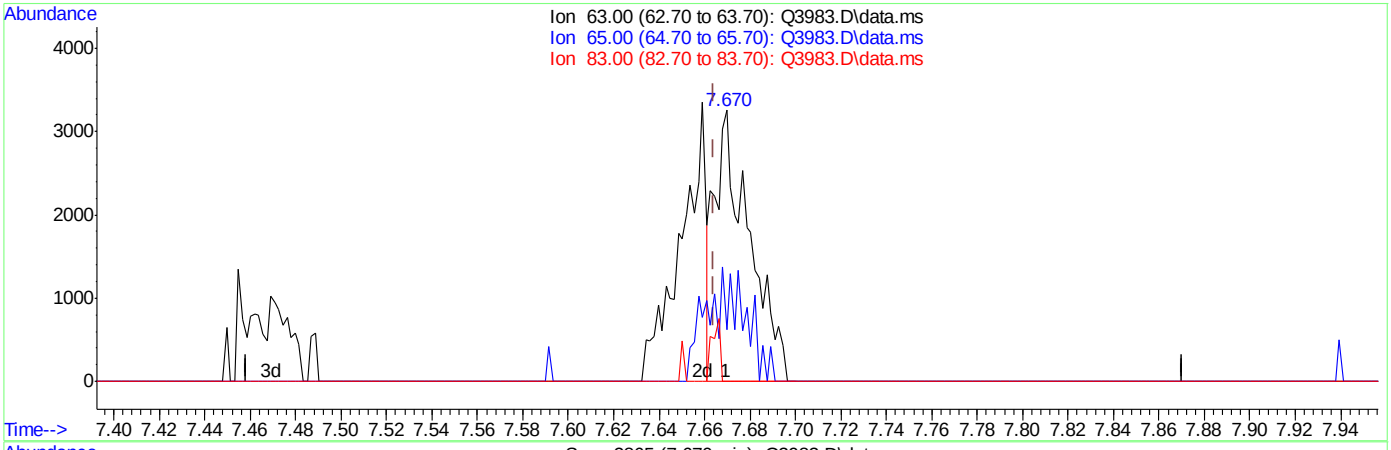
Ion	Exp%	Act%
59.00	100	100
41.00	20.70	0.00#
43.00	17.30	0.80
0.00	0.00	0.00

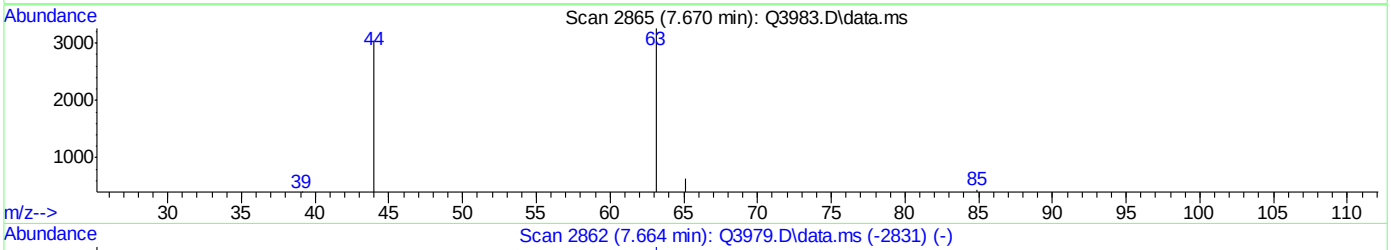
ACCUTEST Laboratories M66993

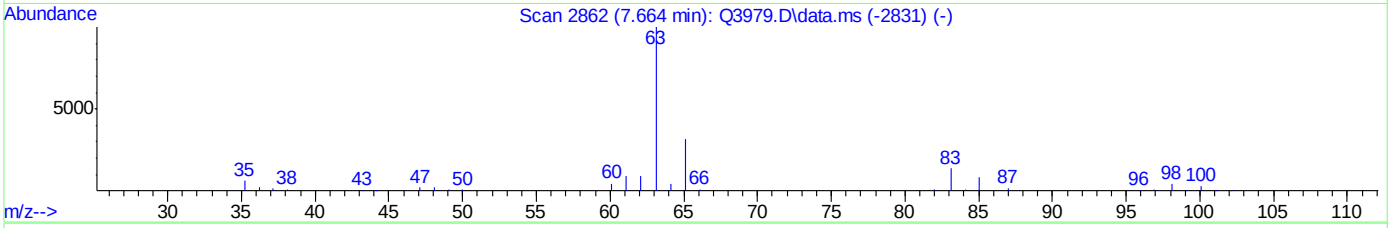
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3983.D
Acq On : 16 Jul 2007 9:09 pm
Operator : danat
Sample : ic214-0.2 (M210)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 17 08:21:24 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:21:05 2007
Response via : Initial Calibration







TIC: Q3983.D\data.ms

(27) 1,1-DICHLOROETHANE (m)

7.670min (+0.005) 0.12PPBV

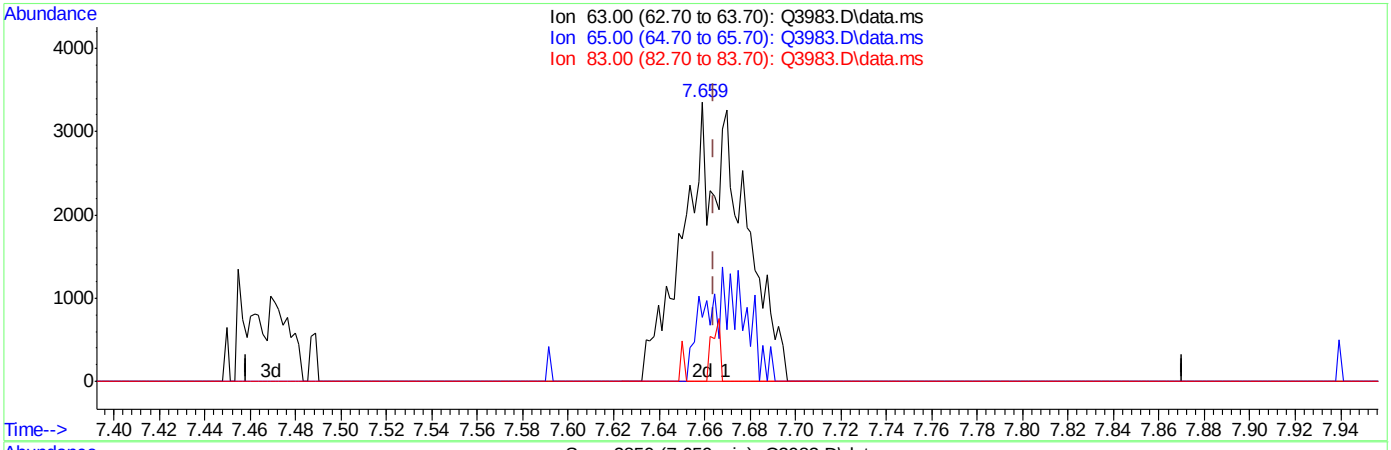
response 3451

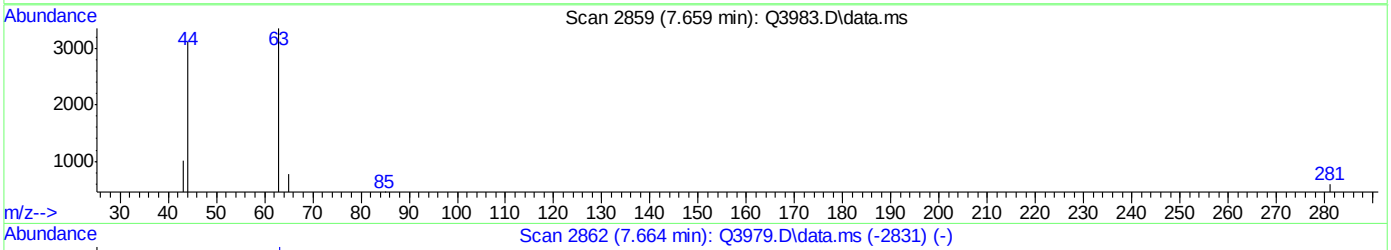
Ion	Exp%	Act%
63.00	100	100
65.00	31.70	46.10
83.00	15.00	5.56
0.00	0.00	0.00

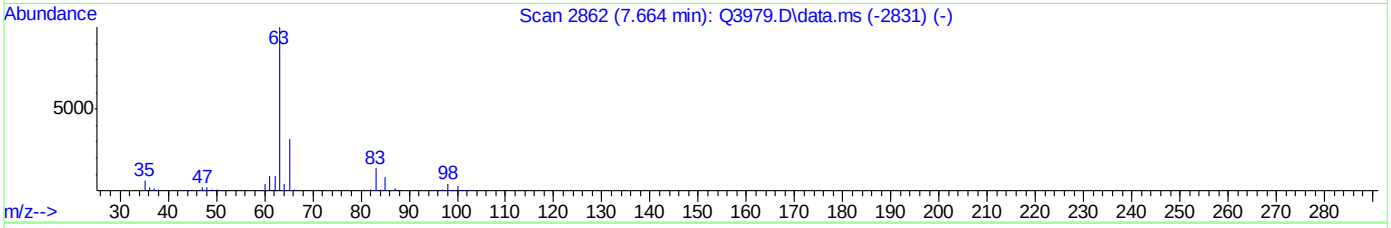
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3983.D
Acq On : 16 Jul 2007 9:09 pm
Operator : danat
Sample : ic214-0.2 (M210)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 17 08:21:24 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:21:05 2007
Response via : Initial Calibration







TIC: Q3983.D\data.ms

(27) 1,1-DICHLOROETHANE (m)

7.659min (-0.005) 0.22PPBV m

response 5973

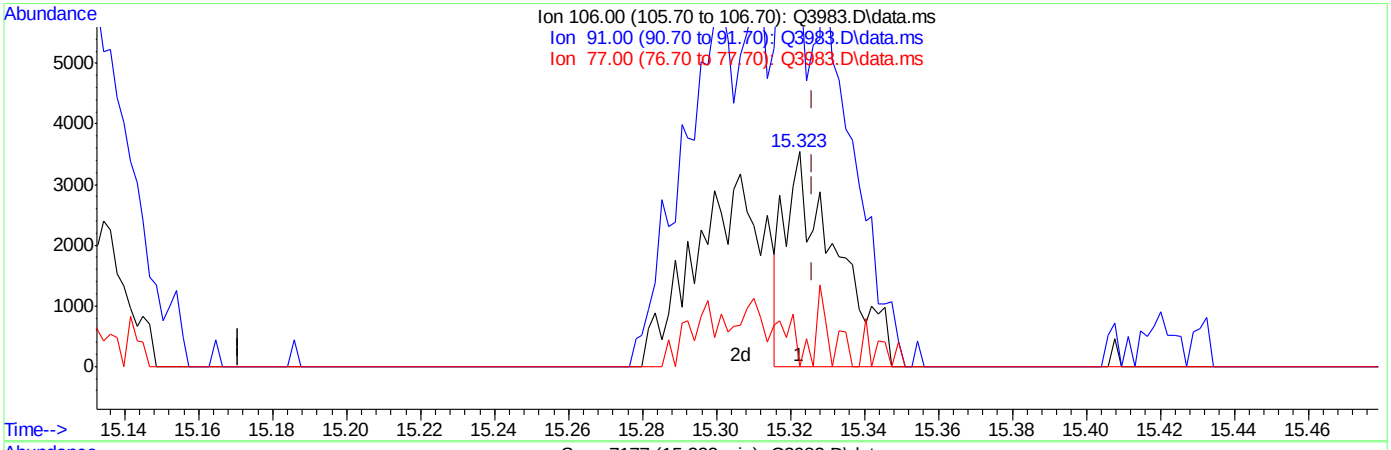
Ion	Exp%	Act%
63.00	100	100
65.00	31.70	26.64
83.00	15.00	3.21
0.00	0.00	0.00

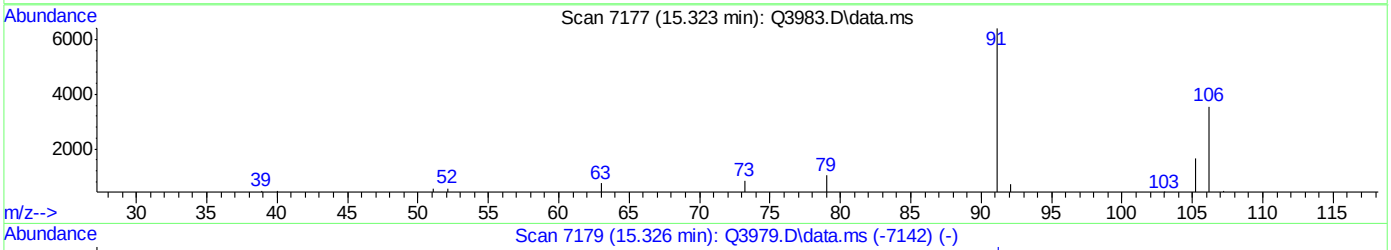
ACCUTEST Laboratories M66993

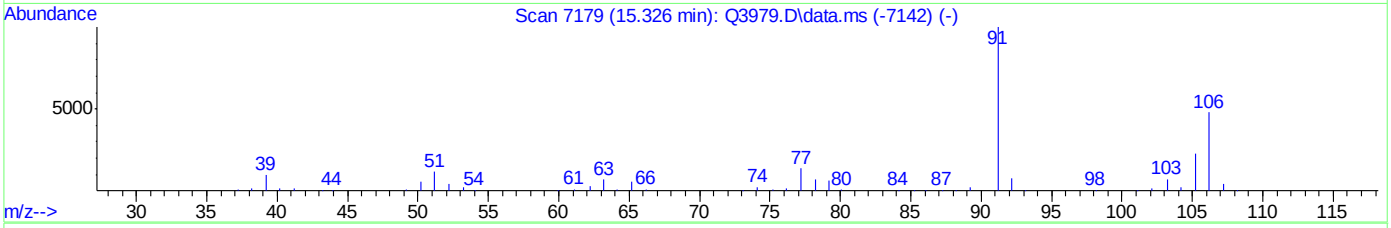
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3983.D
Acq On : 16 Jul 2007 9:09 pm
Operator : danat
Sample : ic214-0.2 (M210)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 17 08:21:24 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:21:05 2007
Response via : Initial Calibration







TIC: Q3983.D\data.ms

(56) m,p-XYLENE (m)

15.323min (-0.003) 0.14PPBV

response 3422

Ion	Exp%	Act%
106.00	100	100
91.00	209.40	180.76
77.00	28.30	0.00#
0.00	0.00	0.00

ACCUTEST Laboratories M66993

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3983.D
Acq On : 16 Jul 2007 9:09 pm
Operator : danat
Sample : ic214-0.2 (M210)
Misc : MS13893, MSQ214,,,,,1
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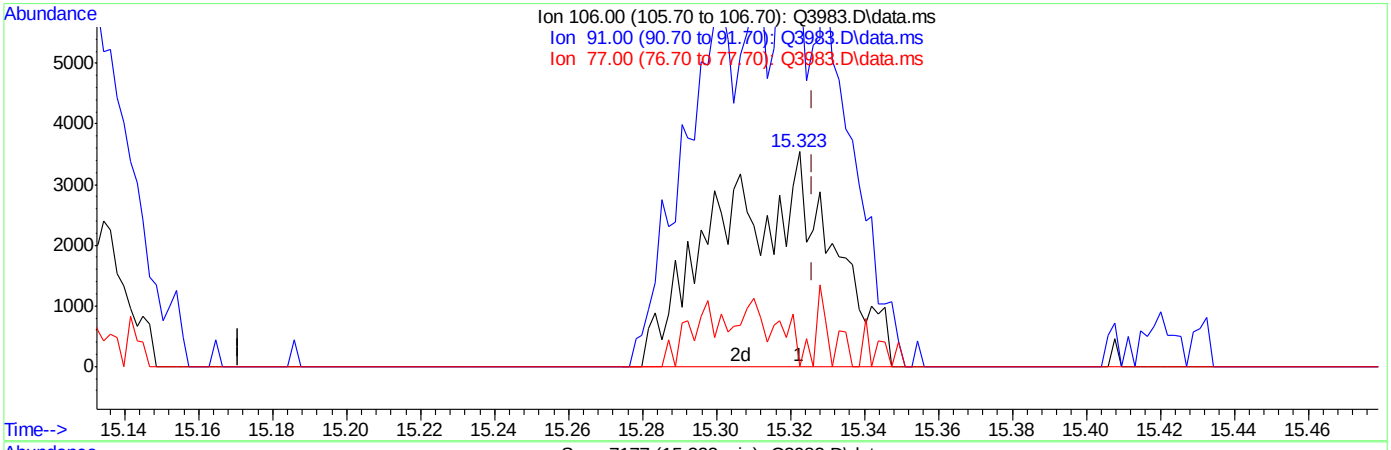
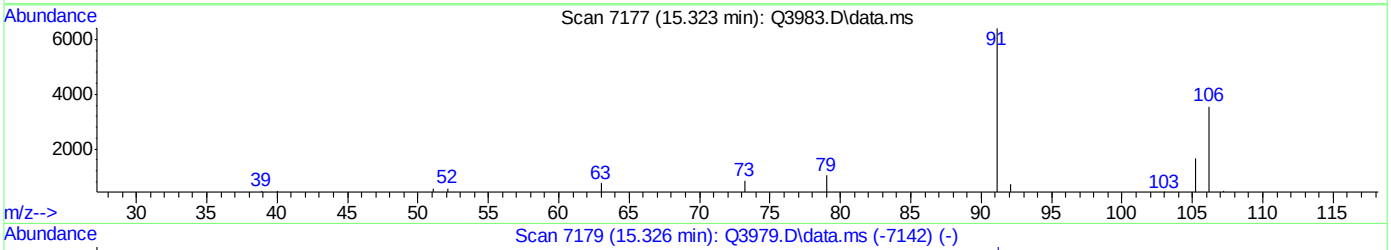
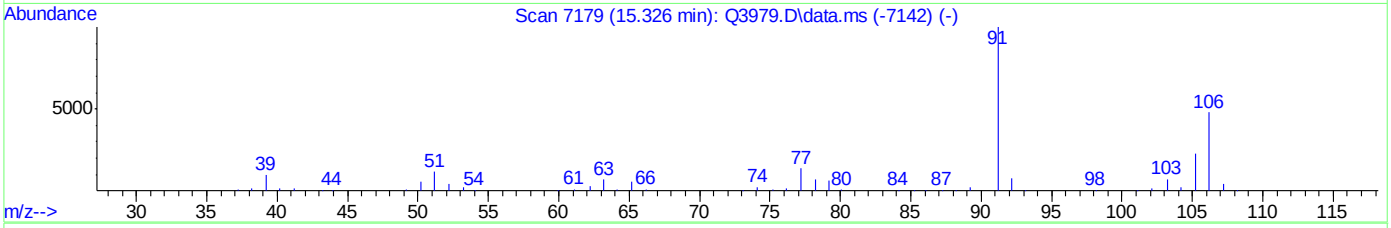
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:21:05 2007
Response via : Initial Calibration







TIC: Q3983.D\data.ms

(56) m,p-XYLENE (m)

15.323min (-0.003) 0.31PPBV m

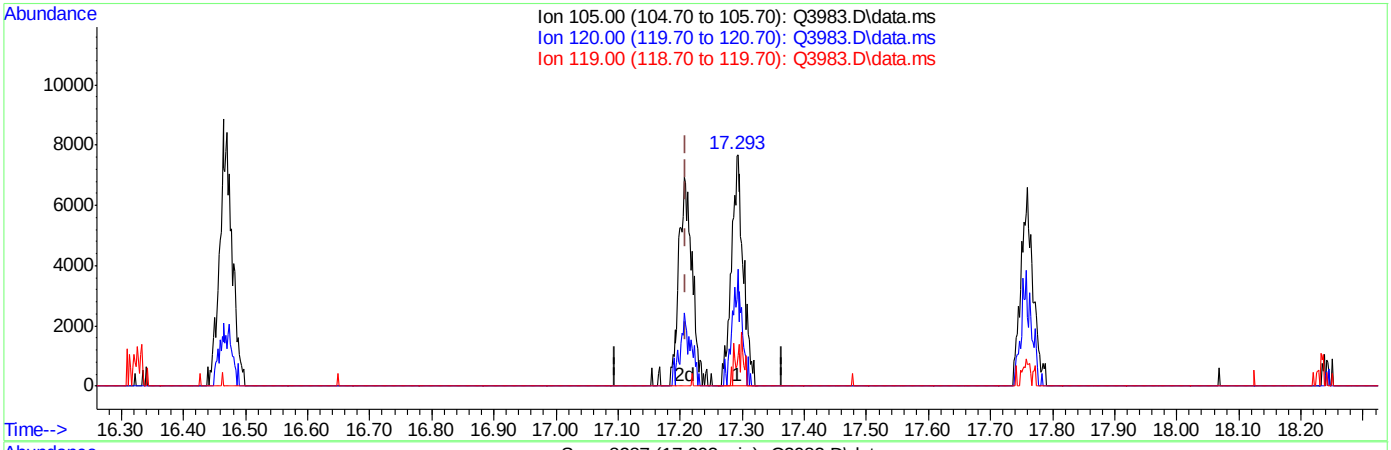
response 7451

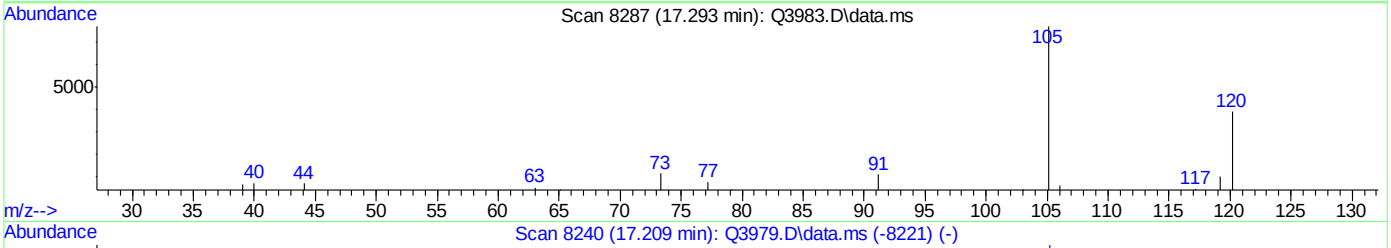
Ion	Exp%	Act%
106.00	100	100
91.00	209.40	180.76
77.00	28.30	0.00#
0.00	0.00	0.00

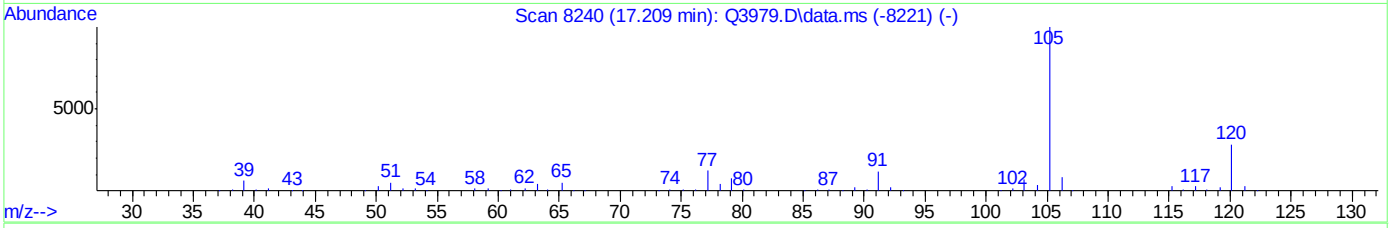
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3983.D
Acq On : 16 Jul 2007 9:09 pm
Operator : danat
Sample : ic214-0.2 (M210)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 17 08:21:24 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:21:05 2007
Response via : Initial Calibration







TIC: Q3983.D\data.ms

(65) 4-ETHYLTOLUENE (m)

17.293min (+0.084) 0.16PPBV

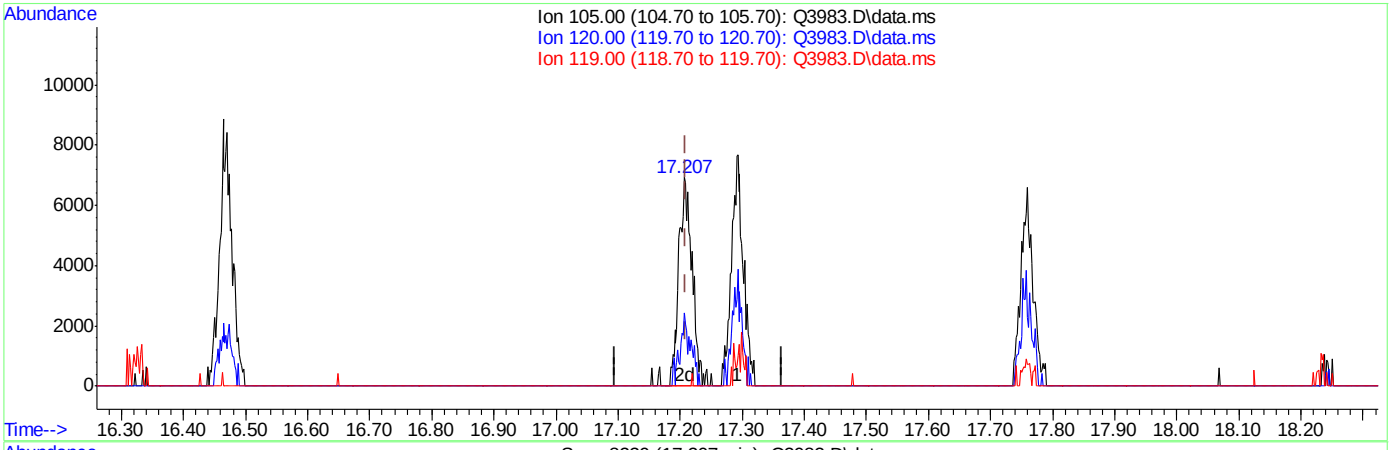
response 10770

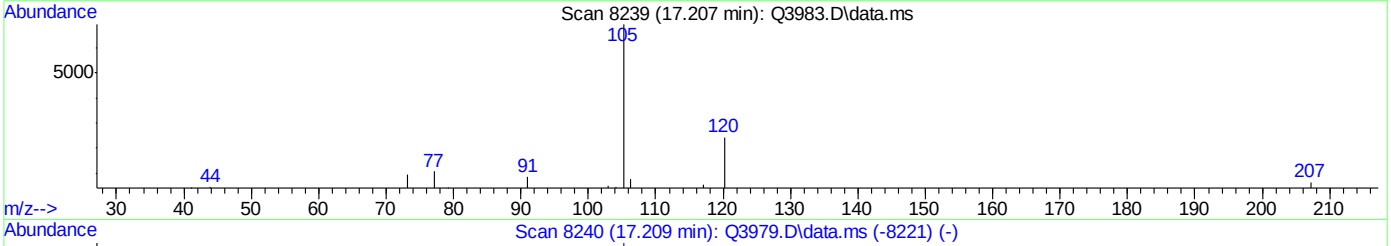
Ion	Exp%	Act%
105.00	100	100
120.00	27.80	40.06
119.00	2.20	9.79
0.00	0.00	0.00

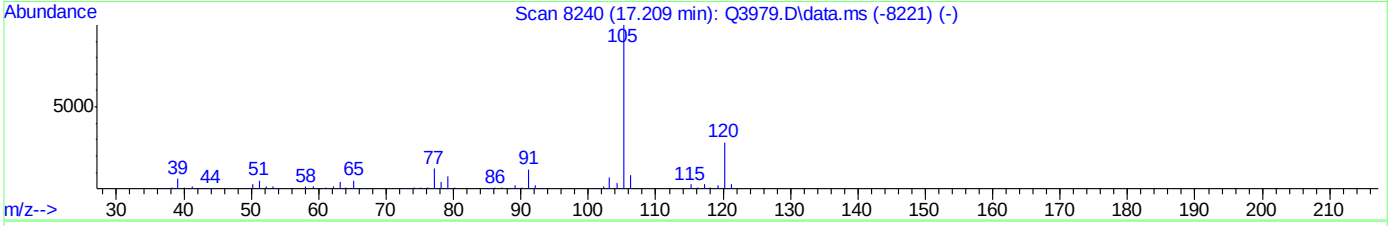
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3983.D
Acq On : 16 Jul 2007 9:09 pm
Operator : danat
Sample : ic214-0.2 (M210)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 17 08:21:24 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:21:05 2007
Response via : Initial Calibration







TIC: Q3983.D\data.ms

(65) 4-ETHYLTOLUENE (m)

17.207min (-0.002) 0.15PPBV m

response 10144

Ion	Exp%	Act%
105.00	100	100
120.00	27.80	42.53
119.00	2.20	10.39
0.00	0.00	0.00

ACCUTEST Laboratories M66993

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3984a.D
Acq On : 17 Jul 2007 8:45 am
Operator : danat
Sample : cc214-10 (M209)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 17 14:06:31 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:27:00 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.633	128	198360	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.463	114	902151	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.707	117	781705	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.325	95	309690	5.39	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 107.80%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.037	85	726946	10.84	PPBV	99
3) PROPYLENE	3.966	41	110064	10.51	PPBV	93
4) FREON 114	4.296	85	667194	10.74	PPBV	99
5) CHLOROMETHANE	4.203	50	152498	10.60	PPBV	94
6) VINYL CHLORIDE	4.420	62	179540	10.62	PPBV	98
7) 1,3-BUTADIENE	4.560	39	147875	10.72	PPBV	96
8) BROMOMETHANE	4.834	94	207354	10.86	PPBV	98
9) CHLOROETHANE	5.009	64	76397	11.41	PPBV	99
10) TRICHLOROFLUOROMETHANE	5.788	101	751175	11.42	PPBV	100
11) ISOPROPYL ALCOHOL	5.826	45	241350	9.68	PPBV	93
12) ACETONE	5.597	43	216102	8.20	PPBV	99
13) PENTANE	6.143	42	165867	11.51	PPBV	99
14) 1,1-DICHLOROETHYLENE	6.427	96	193333	10.45	PPBV	93
15) CARBON DISULFIDE	6.859	76	540832	11.62	PPBV	98
16) ETHANOL	5.094	45	39797	8.10	PPBV	95
17) BROMOETHENE	5.370	106	204817	10.74	PPBV	99
18) METHYLENE CHLORIDE	6.541	84	164926	7.27	PPBV	98
19) 3-CHLOROPROPENE	6.660	39	154305	11.11	PPBV	94
20) FREON 113	6.800	151	415737	9.05	PPBV	99
21) TRANS-1,2-DICHLOROETHY...	7.467	96	190404	10.74	PPBV	97
22) TERTIARY BUTYL ALCOHOL	6.427	59	332679	10.66	PPBV	98
23) METHYL TERTIARY BUTYL ...	7.710	73	392083	9.55	PPBV	99
24) TETRAHYDROFURAN	9.144	42	111570	9.01	PPBV	99
25) HEXANE	8.667	57	207399	7.94	PPBV	95
26) VINYL ACETATE	7.789	43	284777	9.56	PPBV	97
27) 1,1-DICHLOROETHANE	7.662	63	312636	10.67	PPBV	100
28) METHYL ETHYL KETONE	8.030	43	244701	9.10	PPBV	93
29) cis-1,2-DICHLOROETHYLENE	8.470	96	160232	10.23	PPBV	99
30) ETHYL ACETATE	8.663	43	404597	7.72	PPBV	100
31) CHLOROFORM	8.750	83	414026	10.21	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.711	97	432762	10.57	PPBV	99
33) CARBON TETRACHLORIDE	10.293	117	537081	11.19	PPBV	99
34) 1,2-DICHLOROETHANE	9.462	62	242510	10.19	PPBV	98
36) BENZENE	10.151	78	381394	9.17	PPBV	100
37) CYCLOHEXANE	10.417	84	177444	9.97	PPBV	98
38) TRICHLOROETHYLENE	11.145	95	235474	10.11	PPBV	99
39) 1,2-DICHLOROPROPANE	10.926	63	131144	9.30	PPBV	97
40) BROMODICHLOROMETHANE	11.106	83	378433	10.23	PPBV	97
41) 2,2,4-TRIMETHYLPENTANE	11.168	57	644899	10.15	PPBV	99
42) 1,4-DIOXANE	11.134	88	77597	9.46	PPBV	92
43) HEPTANE	11.406	43	230882	9.90	PPBV	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3984a.D
Acq On : 17 Jul 2007 8:45 am
Operator : danat
Sample : cc214-10 (M209)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 17 14:06:31 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:27:00 2007
Response via : Initial Calibration

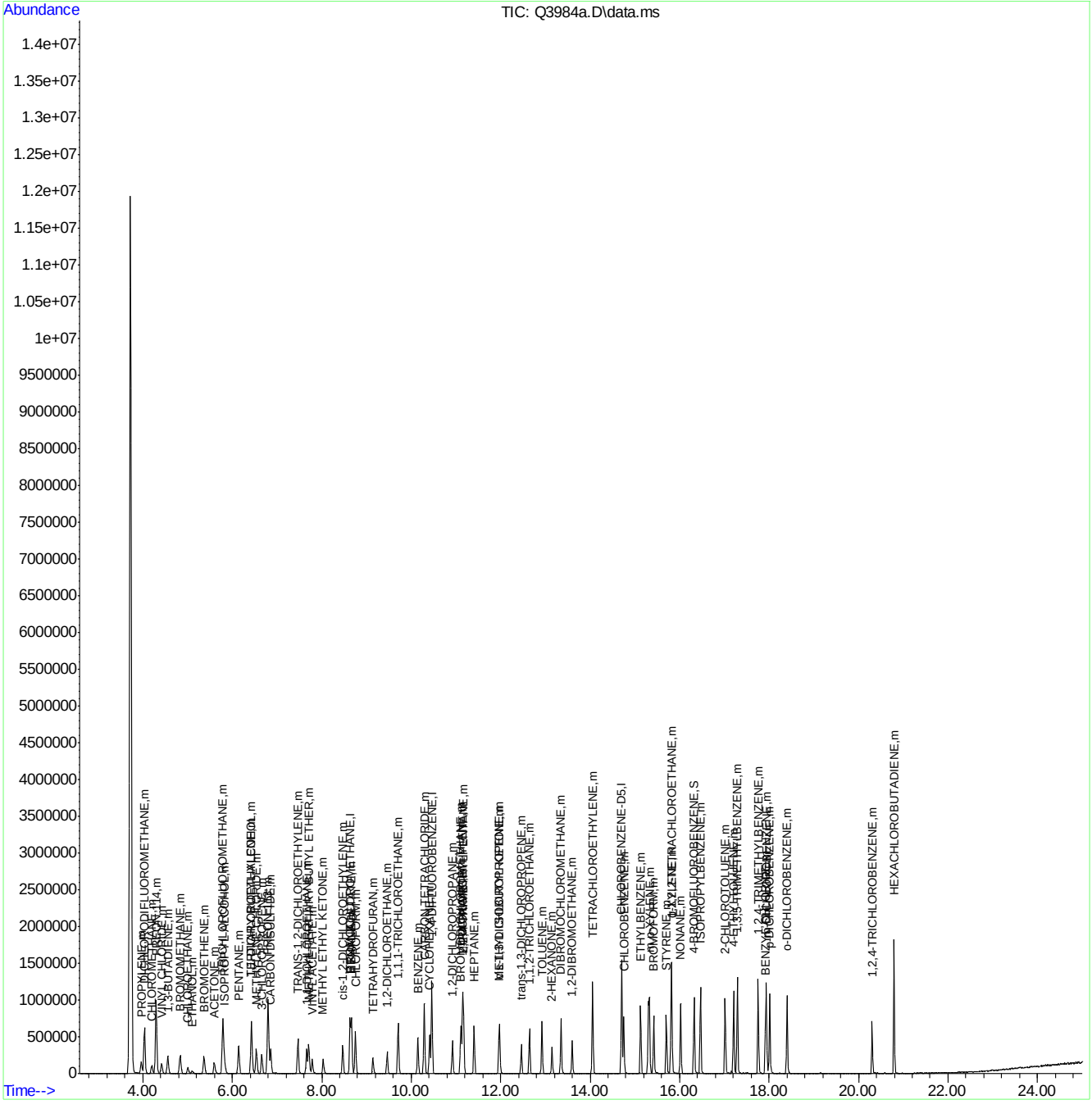
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.979	43	283781	9.50	PPBV	97
45) cis-1,3-DICHLOROPROPENE	11.961	75	217279	10.07	PPBV	96
46) TOLUENE	12.923	92	266117	8.86	PPBV	100
47) trans-1,3-DICHLOROPROPENE	12.463	75	174783	8.86	PPBV	97
48) 1,1,2-TRICHLOROETHANE	12.643	83	142783	9.20	PPBV	99
50) 2-HEXANONE	13.147	43	235124	9.34	PPBV	97
51) TETRACHLOROETHYLENE	14.057	164	257364	9.86	PPBV	99
52) DIBROMOCHLOROMETHANE	13.349	129	368242	10.30	PPBV	99
53) 1,2-DIBROMOETHANE	13.599	107	267370	9.35	PPBV	99
54) CHLOROBENZENE	14.753	112	384893	9.30	PPBV	100
55) ETHYLBENZENE	15.129	91	619158	9.48	PPBV	99
56) m,p-XYLENE	15.326	106	483299	19.58	PPBV	97
57) o-XYLENE	15.825	106	244339	9.73	PPBV	98
58) STYRENE	15.704	104	359962	10.24	PPBV	99
59) NONANE	16.025	43	326579	10.19	PPBV	100
60) BROMOFORM	15.424	173	356220	9.82	PPBV	100
62) 1,1,2,2-TETRACHLOROETHANE	15.810	83	380959	9.69	PPBV	98
63) ISOPROPYLBENZENE	16.467	105	762304	9.91	PPBV	99
64) 2-CHLOROTOLUENE	17.016	91	560897	10.15	PPBV	99
65) 4-ETHYLTOLUENE	17.211	105	672129	9.76	PPBV	100
66) 1,3,5-TRIMETHYLBENZENE	17.292	105	682672	10.21	PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.756	105	661253	10.74	PPBV	99
68) m-DICHLOROBENZENE	17.942	146	439257	10.19	PPBV	100
69) BENZYL CHLORIDE	17.917	91	370322	10.14	PPBV	100
70) p-DICHLOROBENZENE	18.013	146	441700	10.61	PPBV	99
71) o-DICHLOROBENZENE	18.402	146	402440	9.81	PPBV	99
72) HEXACHLOROBUTADIENE	20.796	225	283891	14.09	PPBV	100
73) 1,2,4-TRICHLOROBENZENE	20.306	180	191567	13.19	PPBV	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3984a.D
Acq On : 17 Jul 2007 8:45 am
Operator : danat
Sample : cc214-10 (M209)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 17 14:06:31 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:27:00 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3984.D
Acq On : 17 Jul 2007 8:45 am
Operator : danat
Sample : icv214-10 (M209)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 17 14:05:15 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:27:00 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.633	128	198360	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.463	114	902151	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.707	117	781705	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.325	95	309690	5.39	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 107.80%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.037	85	726946	10.84	PPBV	99
3) PROPYLENE	3.966	41	110064	10.51	PPBV	93
4) FREON 114	4.296	85	667194	10.74	PPBV	99
5) CHLOROMETHANE	4.203	50	152498	10.60	PPBV	94
6) VINYL CHLORIDE	4.420	62	179540	10.62	PPBV	98
7) 1,3-BUTADIENE	4.560	39	147875	10.72	PPBV	96
8) BROMOMETHANE	4.834	94	207354	10.86	PPBV	98
9) CHLOROETHANE	5.009	64	76397	11.41	PPBV	99
10) TRICHLOROFLUOROMETHANE	5.788	101	751175	11.42	PPBV	100
11) ISOPROPYL ALCOHOL	5.826	45	241350	9.68	PPBV	93
12) ACETONE	5.597	43	216102	8.20	PPBV	99
13) PENTANE	6.143	42	165867	11.51	PPBV	99
14) 1,1-DICHLOROETHYLENE	6.427	96	193333	10.45	PPBV	93
15) CARBON DISULFIDE	6.859	76	540832	11.62	PPBV	98
16) ETHANOL	5.094	45	39797	8.10	PPBV	95
17) BROMOETHENE	5.370	106	204817	10.74	PPBV	99
18) METHYLENE CHLORIDE	6.541	84	164926	7.27	PPBV	98
19) 3-CHLOROPROPENE	6.660	39	154305	11.11	PPBV	94
20) FREON 113	6.800	151	415737	9.05	PPBV	99
21) TRANS-1,2-DICHLOROETHY...	7.467	96	190404	10.74	PPBV	97
22) TERTIARY BUTYL ALCOHOL	6.427	59	332679	10.66	PPBV	98
23) METHYL TERTIARY BUTYL ...	7.710	73	392083	9.55	PPBV	99
24) TETRAHYDROFURAN	9.144	42	111570	9.01	PPBV	99
25) HEXANE	8.667	57	207399	7.94	PPBV	95
26) VINYL ACETATE	7.789	43	284777	9.56	PPBV	97
27) 1,1-DICHLOROETHANE	7.662	63	312636	10.67	PPBV	100
28) METHYL ETHYL KETONE	8.030	43	244701	9.10	PPBV	93
29) cis-1,2-DICHLOROETHYLENE	8.470	96	160232	10.23	PPBV	99
30) ETHYL ACETATE	8.663	43	404597	7.72	PPBV	100
31) CHLOROFORM	8.750	83	414026	10.21	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.711	97	432762	10.57	PPBV	99
33) CARBON TETRACHLORIDE	10.293	117	537081	11.19	PPBV	99
34) 1,2-DICHLOROETHANE	9.462	62	242510	10.19	PPBV	98
36) BENZENE	10.151	78	381394	9.17	PPBV	100
37) CYCLOHEXANE	10.417	84	177444	9.97	PPBV	98
38) TRICHLOROETHYLENE	11.145	95	235474	10.11	PPBV	99
39) 1,2-DICHLOROPROPANE	10.926	63	131144	9.30	PPBV	97
40) BROMODICHLOROMETHANE	11.106	83	378433	10.23	PPBV	97
41) 2,2,4-TRIMETHYLPENTANE	11.168	57	644899	10.15	PPBV	99
42) 1,4-DIOXANE	11.134	88	77597	9.46	PPBV	92
43) HEPTANE	11.406	43	230882	9.90	PPBV	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3984.D
Acq On : 17 Jul 2007 8:45 am
Operator : danat
Sample : icv214-10 (M209)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 17 14:05:15 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:27:00 2007
Response via : Initial Calibration

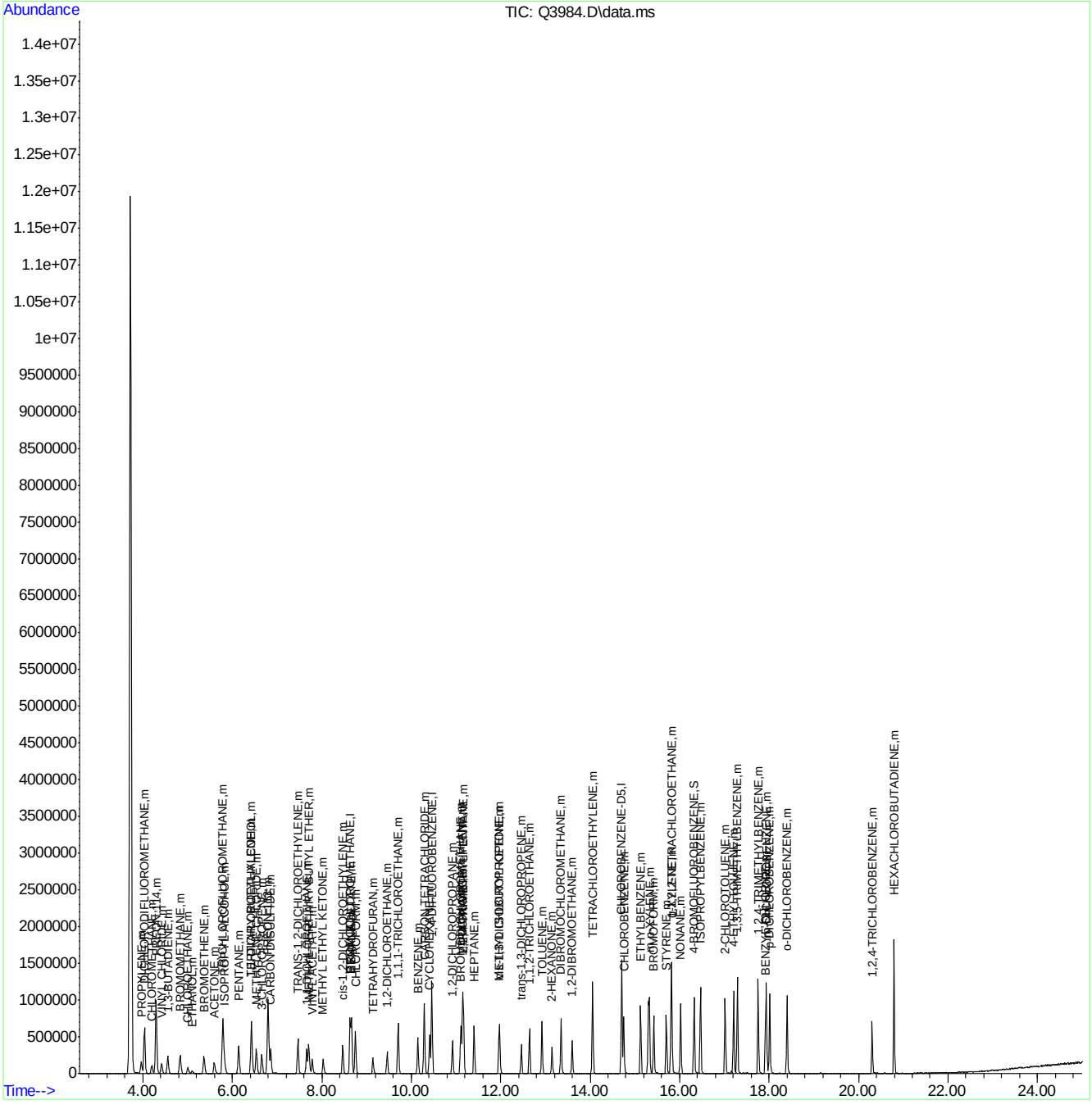
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.979	43	283781	9.50	PPBV	97
45) cis-1,3-DICHLOROPROPENE	11.961	75	217279	10.07	PPBV	96
46) TOLUENE	12.923	92	266117	8.86	PPBV	100
47) trans-1,3-DICHLOROPROPENE	12.463	75	174783	8.86	PPBV	97
48) 1,1,2-TRICHLOROETHANE	12.643	83	142783	9.20	PPBV	99
50) 2-HEXANONE	13.147	43	235124	9.34	PPBV	97
51) TETRACHLOROETHYLENE	14.057	164	257364	9.86	PPBV	99
52) DIBROMOCHLOROMETHANE	13.349	129	368242	10.30	PPBV	99
53) 1,2-DIBROMOETHANE	13.599	107	267370	9.35	PPBV	99
54) CHLOROBENZENE	14.753	112	384893	9.30	PPBV	100
55) ETHYLBENZENE	15.129	91	619158	9.48	PPBV	99
56) m,p-XYLENE	15.326	106	483299	19.58	PPBV	97
57) o-XYLENE	15.825	106	244339	9.73	PPBV	98
58) STYRENE	15.704	104	359962	10.24	PPBV	99
59) NONANE	16.025	43	326579	10.19	PPBV	100
60) BROMOFORM	15.424	173	356220	9.82	PPBV	100
62) 1,1,2,2-TETRACHLOROETHANE	15.810	83	380959	9.69	PPBV	98
63) ISOPROPYLBENZENE	16.467	105	762304	9.91	PPBV	99
64) 2-CHLOROTOLUENE	17.016	91	560897	10.15	PPBV	99
65) 4-ETHYLTOLUENE	17.211	105	672129	9.76	PPBV	100
66) 1,3,5-TRIMETHYLBENZENE	17.292	105	682672	10.21	PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.756	105	661253	10.74	PPBV	99
68) m-DICHLOROBENZENE	17.942	146	439257	10.19	PPBV	100
69) BENZYL CHLORIDE	17.917	91	370322	10.14	PPBV	100
70) p-DICHLOROBENZENE	18.013	146	441700	10.61	PPBV	99
71) o-DICHLOROBENZENE	18.402	146	402440	9.81	PPBV	99
72) HEXACHLOROBUTADIENE	20.796	225	283891	14.09	PPBV	100
73) 1,2,4-TRICHLOROBENZENE	20.306	180	191567	13.19	PPBV	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3984.D
Acq On : 17 Jul 2007 8:45 am
Operator : danat
Sample : icv214-10 (M209)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 17 14:05:15 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:27:00 2007
Response via : Initial Calibration



Q071607T.m Tue Jul 17 14:05:23 2007 RPT1 Page: 3

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4368.D
Acq On : 23 Aug 2007 10:43 am
Operator : danat
Sample : ic231-0.5 (M050)
Misc : MS14080, MSQ231,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 23 11:14:16 2007
Quant Method : C:\msdchem\1\METHODS\Q082307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 23 10:30:47 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.628	128	248286	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.456	114	1196469	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.698	117	941297	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.318	95	281980	4.51	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 90.20%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.037	85	47782	0.37	PPBV	95
3) PROPYLENE	3.967	41	12255	0.48	PPBV #	77
4) FREON 114	4.292	85	45946	0.38	PPBV	84
5) CHLOROMETHANE	4.195	50	12864	0.32	PPBV	95
6) VINYL CHLORIDE	4.416	62	15076	0.40	PPBV	95
7) 1,3-BUTADIENE	4.555	39	13589	0.33	PPBV	97
8) BROMOMETHANE	4.835	94	16220	0.45	PPBV	98
9) CHLOROETHANE	5.006	64	6458	0.35	PPBV #	70
10) TRICHLOROFLUOROMETHANE	5.790	101	41418	0.33	PPBV	97
11) ISOPROPYL ALCOHOL	5.843	45	19023	0.27	PPBV	89
12) ACETONE	5.613	43	18273	0.20	PPBV	76
13) PENTANE	6.147	42	14722	0.26	PPBV	91
14) 1,1-DICHLOROETHYLENE	6.425	96	14686	0.42	PPBV #	47
15) CARBON DISULFIDE	6.851	76	33351	0.25	PPBV	77
16) ETHANOL	5.101	45	5582	0.35	PPBV	84
17) BROMOETHENE	5.368	106	15237	0.51	PPBV #	94
18) METHYLENE CHLORIDE	6.532	84	22228	0.32	PPBV	60
19) 3-CHLOROPROPENE	6.660	39	11801	0.25	PPBV	91
20) FREON 113	6.800	151	30133	0.49	PPBV #	76
21) TRANS-1,2-DICHLOROETHY...	7.471	96	13976	0.40	PPBV #	57
22) TERTIARY BUTYL ALCOHOL	6.459	59	20387	0.28	PPBV	83
23) METHYL TERTIARY BUTYL ...	7.726	73	24532	0.32	PPBV	74
24) TETRAHYDROFURAN	9.157	42	10970	0.40	PPBV	84
25) HEXANE	8.663	57	24899	0.41	PPBV #	79
26) VINYL ACETATE	7.790	43	20737	0.30	PPBV	99
27) 1,1-DICHLOROETHANE	7.657	63	20695	0.22	PPBV	97
28) METHYL ETHYL KETONE	8.048	43	21614	0.35	PPBV	90
29) cis-1,2-DICHLOROETHYLENE	8.468	96	12282	0.52	PPBV #	67
30) ETHYL ACETATE	8.665	43	37415	0.28	PPBV #	98
31) CHLOROFORM	8.742	83	26821	0.28	PPBV	90
32) 1,1,1-TRICHLOROETHANE	9.702	97	26301	0.30	PPBV	89
33) CARBON TETRACHLORIDE	10.287	117	27816	0.29	PPBV	98
34) 1,2-DICHLOROETHANE	9.462	62	15197	0.26	PPBV	99
36) BENZENE	10.142	78	34761	0.43	PPBV	91
37) CYCLOHEXANE	10.410	84	16545	0.53	PPBV #	75
38) TRICHLOROETHYLENE	11.143	95	16881	0.38	PPBV	85
39) 1,2-DICHLOROPROPANE	10.919	63	11599	0.35	PPBV	88
40) BROMODICHLOROMETHANE	11.102	83	23161	0.27	PPBV	98
41) 2,2,4-TRIMETHYLPENTANE	11.161	57	57968	0.35	PPBV	100
42) 1,4-DIOXANE	11.148	88	6544	0.46	PPBV #	1
43) HEPTANE	11.404	43	22858	0.36	PPBV	88

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4368.D
Acq On : 23 Aug 2007 10:43 am
Operator : danat
Sample : ic231-0.5 (M050)
Misc : MS14080, MSQ231,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 23 11:14:16 2007
Quant Method : C:\msdchem\1\METHODS\Q082307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 23 10:30:47 2007
Response via : Initial Calibration

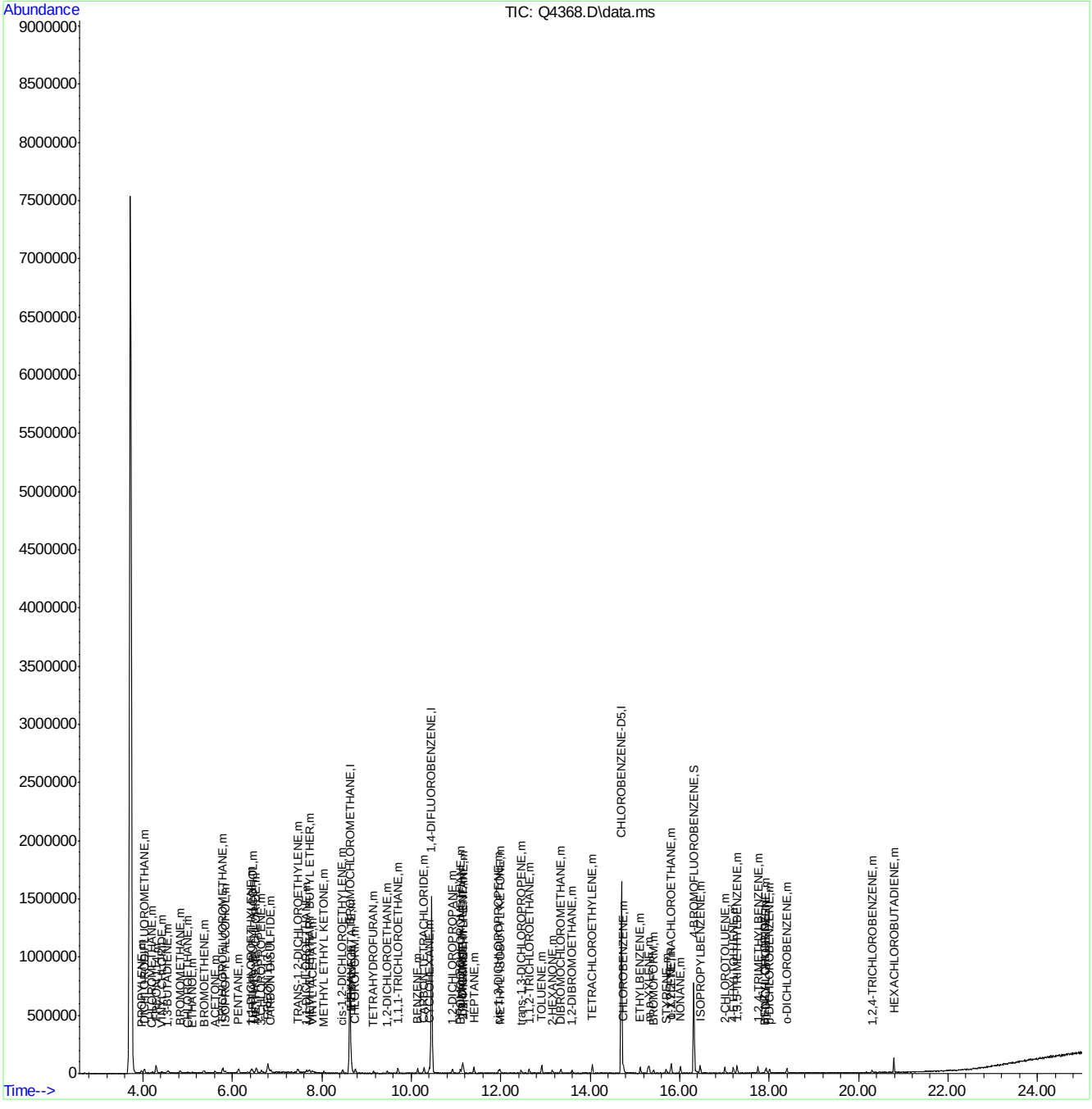
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.984	43	22425	0.31 PPBV	89
45) cis-1,3-DICHLOROPROPENE	11.957	75	14513	0.43 PPBV #	59
46) TOLUENE	12.923	92	26225	0.45 PPBV	97
47) trans-1,3-DICHLOROPROPENE	12.460	75	12530	0.57 PPBV #	74
48) 1,1,2-TRICHLOROETHANE	12.632	83	10508	0.35 PPBV	89
50) 2-HEXANONE	13.143	43	19051	0.39 PPBV	81
51) TETRACHLOROETHYLENE	14.050	164	16779	0.55 PPBV #	86
52) DIBROMOCHLOROMETHANE	13.345	129	17702	0.31 PPBV	98
53) 1,2-DIBROMOETHANE	13.596	107	16432	0.48 PPBV	96
54) CHLOROBENZENE	14.746	112	26086	0.46 PPBV	85
55) ETHYLBENZENE	15.124	91	40099	0.45 PPBV	92
56) m,p-XYLENE	15.315	106	29960	0.96 PPBV #	78
57) o-XYLENE	15.819	106	14671	0.47 PPBV #	78
58) STYRENE	15.695	104	18486	0.77 PPBV	91
59) NONANE	16.020	43	23001	0.29 PPBV	87
60) BROMOFORM	15.415	173	13030	0.33 PPBV	98
62) 1,1,2,2-TETRACHLOROETHANE	15.809	83	20805	0.28 PPBV	97
63) ISOPROPYLBENZENE	16.458	105	42643	0.45 PPBV	90
64) 2-CHLOROTOLUENE	17.016	91	29601	0.48 PPBV	85
65) 4-ETHYLTOLUENE	17.204	105	34990	0.54 PPBV	94
66) 1,3,5-TRIMETHYLBENZENE	17.287	105	35057	0.47 PPBV	94
67) 1,2,4-TRIMETHYLBENZENE	17.747	105	29222	0.52 PPBV	93
68) m-DICHLOROBENZENE	17.933	146	17344	0.83 PPBV	90
69) BENZYL CHLORIDE	17.908	91	14373	0.77 PPBV	89
70) p-DICHLOROBENZENE	18.008	146	14311	0.99 PPBV	89
71) o-DICHLOROBENZENE	18.402	146	17623	0.79 PPBV	91
72) HEXACHLOROBUTADIENE	20.790	225	19670	0.78 PPBV	97
73) 1,2,4-TRICHLOROBENZENE	20.304	180	6722	2.93 PPBV	89

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4368.D
Acq On : 23 Aug 2007 10:43 am
Operator : danat
Sample : ic231-0.5 (M050)
Misc : MS14080, MSQ231,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 23 11:14:16 2007
Quant Method : C:\msdchem\1\METHODS\Q082307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 23 10:30:47 2007
Response via : Initial Calibration



ACCUTEST Laboratories
M66993

Manual Integrations APPROVED (compounds with "m" flag)
Philip Bassignani
08/29/07 09:03

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4369.D
Acq On : 23 Aug 2007 11:25 am
Operator : danat
Sample : ic231-0.2 (M050)
Misc : MS14080, MSQ231,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 23 12:04:36 2007
Quant Method : C:\msdchem\1\METHODS\Q082307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 23 10:30:47 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.633	128	236069	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.456	114	1119674	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.700	117	866041	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.318	95	245220	4.26	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 85.20%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.037	85	20489	0.17	PPBV	94
3) PROPYLENE	3.966	41	5319	0.22	PPBV #	75
4) FREON 114	4.294	85	16205	0.14	PPBV	86
5) CHLOROMETHANE	4.200	50	4613	0.12	PPBV	99
6) VINYL CHLORIDE	4.425	62	4662m	0.13	PPBV	
7) 1,3-BUTADIENE	4.562	39	3969	0.10	PPBV	88
8) BROMOMETHANE	4.825	94	5138m	0.15	PPBV	
9) CHLOROETHANE	5.015	64	1819m	0.10	PPBV	
10) TRICHLOROFLUOROMETHANE	5.792	101	14622	0.12	PPBV	94
11) ISOPROPYL ALCOHOL	5.845	45	8999	0.13	PPBV	99
12) ACETONE	5.614	43	9113	0.10	PPBV	80
13) PENTANE	6.142	42	5565	0.10	PPBV #	42
14) 1,1-DICHLOROETHYLENE	6.431	96	5340	0.16	PPBV #	12
15) CARBON DISULFIDE	6.848	76	11513	0.09	PPBV	93
17) BROMOETHENE	5.370	106	5116	0.18	PPBV #	55
18) METHYLENE CHLORIDE	6.536	84	11305	0.17	PPBV	60
19) 3-CHLOROPROPENE	6.658	39	4623m	0.10	PPBV	
20) FREON 113	6.789	151	11856	0.20	PPBV #	77
21) TRANS-1,2-DICHLOROETHY...	7.467	96	4742	0.14	PPBV #	60
22) TERTIARY BUTYL ALCOHOL	6.465	59	8003	0.11	PPBV #	62
23) METHYL TERTIARY BUTYL ...	7.719	73	9573	0.13	PPBV	67
24) TETRAHYDROFURAN	9.164	42	3887	0.15	PPBV	95
25) HEXANE	8.664	57	10762	0.19	PPBV #	77
26) VINYL ACETATE	7.789	43	8260	0.13	PPBV #	91
27) 1,1-DICHLOROETHANE	7.659	63	6803	0.08	PPBV	82
28) METHYL ETHYL KETONE	8.057	43	8795	0.15	PPBV	91
29) cis-1,2-DICHLOROETHYLENE	8.467	96	4215	0.19	PPBV #	60
30) ETHYL ACETATE	8.660	43	14362	0.11	PPBV #	97
31) CHLOROFORM	8.749	83	9270	0.10	PPBV	90
32) 1,1,1-TRICHLOROETHANE	9.702	97	8863	0.11	PPBV	89
33) CARBON TETRACHLORIDE	10.287	117	10059	0.11	PPBV	98
34) 1,2-DICHLOROETHANE	9.462	62	4911	0.09	PPBV #	94
36) BENZENE	10.151	78	11192	0.15	PPBV	89
37) CYCLOHEXANE	10.413	84	6906	0.24	PPBV #	58
38) TRICHLOROETHYLENE	11.145	95	5809	0.14	PPBV #	83
39) 1,2-DICHLOROPROPANE	10.919	63	4450	0.14	PPBV #	64
40) BROMODICHLOROMETHANE	11.102	83	7721	0.10	PPBV	98
41) 2,2,4-TRIMETHYLPENTANE	11.168	57	20443	0.13	PPBV	98
42) 1,4-DIOXANE	11.157	88	2195	0.17	PPBV #	1
43) HEPTANE	11.404	43	8099	0.14	PPBV	98
44) METHYL ISOBUTYL KETONE	11.989	43	8533	0.13	PPBV	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4369.D
Acq On : 23 Aug 2007 11:25 am
Operator : danat
Sample : ic231-0.2 (M050)
Misc : MS14080, MSQ231,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 23 12:04:36 2007
Quant Method : C:\msdchem\1\METHODS\Q082307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 23 10:30:47 2007
Response via : Initial Calibration

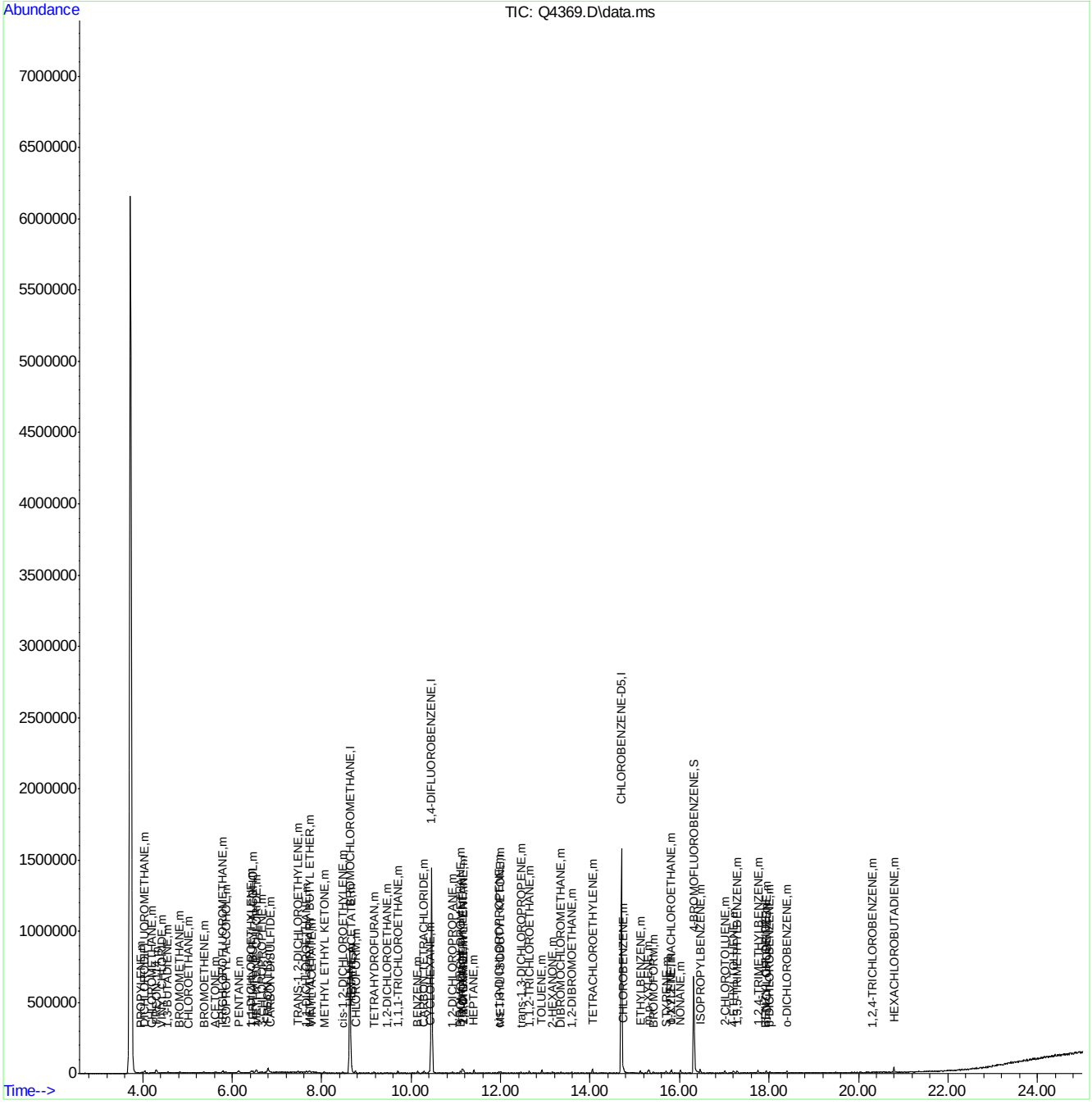
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
45) cis-1,3-DICHLOROPROPENE	11.959	75	4821	0.15 PPBV #	37
46) TOLUENE	12.919	92	10262	0.19 PPBV	94
47) trans-1,3-DICHLOROPROPENE	12.456	75	4121	0.20 PPBV #	74
48) 1,1,2-TRICHLOROETHANE	12.639	83	3515	0.12 PPBV #	75
50) 2-HEXANONE	13.157	43	6706	0.15 PPBV	94
51) TETRACHLOROETHYLENE	14.050	164	6091	0.22 PPBV #	83
52) DIBROMOCHLOROMETHANE	13.349	129	5717	0.11 PPBV	98
53) 1,2-DIBROMOETHANE	13.594	107	5599	0.18 PPBV #	98
54) CHLOROBENZENE	14.747	112	8998	0.17 PPBV	84
55) ETHYLBENZENE	15.122	91	14166	0.17 PPBV	92
56) m,p-XYLENE	15.308	106	10251	0.36 PPBV #	64
57) o-XYLENE	15.807	106	4998	0.17 PPBV	88
58) STYRENE	15.699	104	6348	0.29 PPBV	89
59) NONANE	16.020	43	8281	0.12 PPBV	93
60) BROMOFORM	15.417	173	4329	0.12 PPBV #	88
62) 1,1,2,2-TETRACHLOROETHANE	15.805	83	7058	0.11 PPBV	97
63) ISOPROPYLBENZENE	16.462	105	14405	0.17 PPBV	91
64) 2-CHLOROTOLUENE	17.014	91	10212	0.18 PPBV	89
65) 4-ETHYLTOLUENE	17.204	105	11380	0.19 PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.289	105	11182m	0.16 PPBV	
67) 1,2,4-TRIMETHYLBENZENE	17.757	105	9509	0.19 PPBV	96
68) m-DICHLOROBENZENE	17.931	146	5768	0.30 PPBV	87
69) BENZYL CHLORIDE	17.917	91	3230	0.19 PPBV	76
70) p-DICHLOROBENZENE	18.015	146	5110	0.39 PPBV	88
71) o-DICHLOROBENZENE	18.396	146	5345	0.26 PPBV	84
72) HEXACHLOROBUTADIENE	20.792	225	6319	0.27 PPBV	95
73) 1,2,4-TRICHLOROBENZENE	20.310	180	1292	0.61 PPBV #	65

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4369.D
Acq On : 23 Aug 2007 11:25 am
Operator : danat
Sample : ic231-0.2 (M050)
Misc : MS14080, MSQ231,,,,,1
ALS Vial : 1 Sample Multiplier: 1

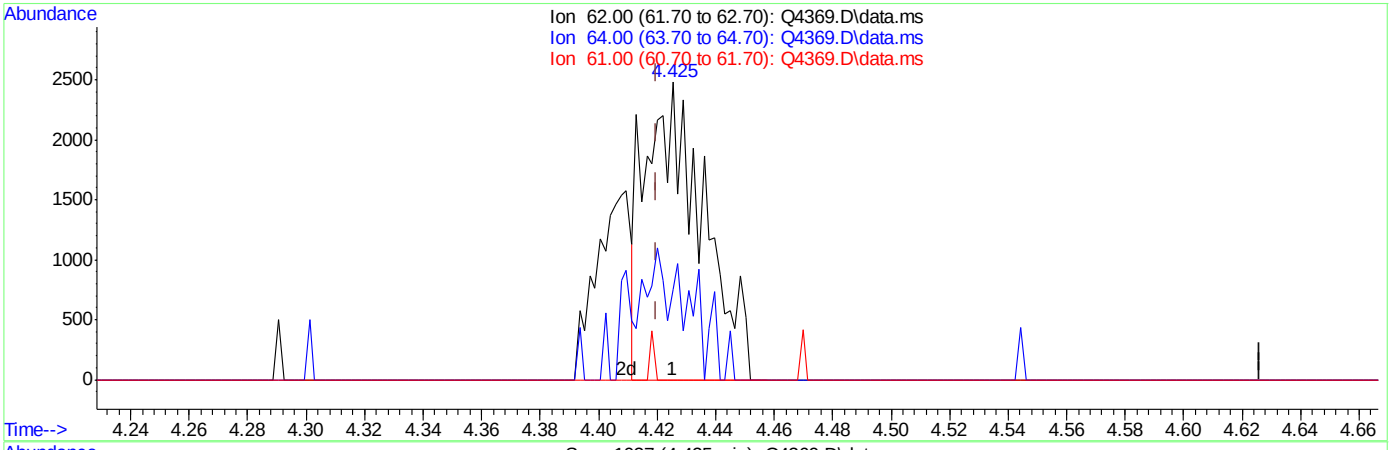
Quant Time: Aug 23 12:04:36 2007
Quant Method : C:\msdchem\1\METHODS\Q082307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 23 10:30:47 2007
Response via : Initial Calibration

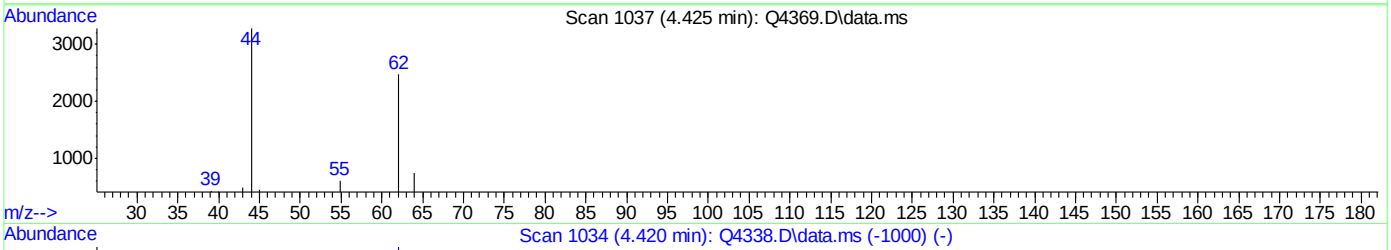


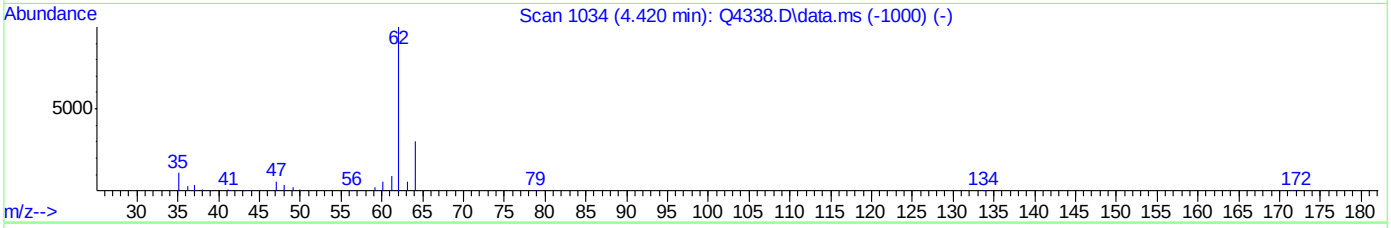
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4369.D
Acq On : 23 Aug 2007 11:25 am
Operator : danat
Sample : ic231-0.2 (M050)
Misc : MS14080, MSQ231,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 23 12:01:42 2007
Quant Method : C:\msdchem\1\METHODS\Q082307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 23 10:30:47 2007
Response via : Initial Calibration







TIC: Q4369.D\data.ms

(6) VINYL CHLORIDE (m)

4.425min (+0.005) 0.09PPBV

response 3391

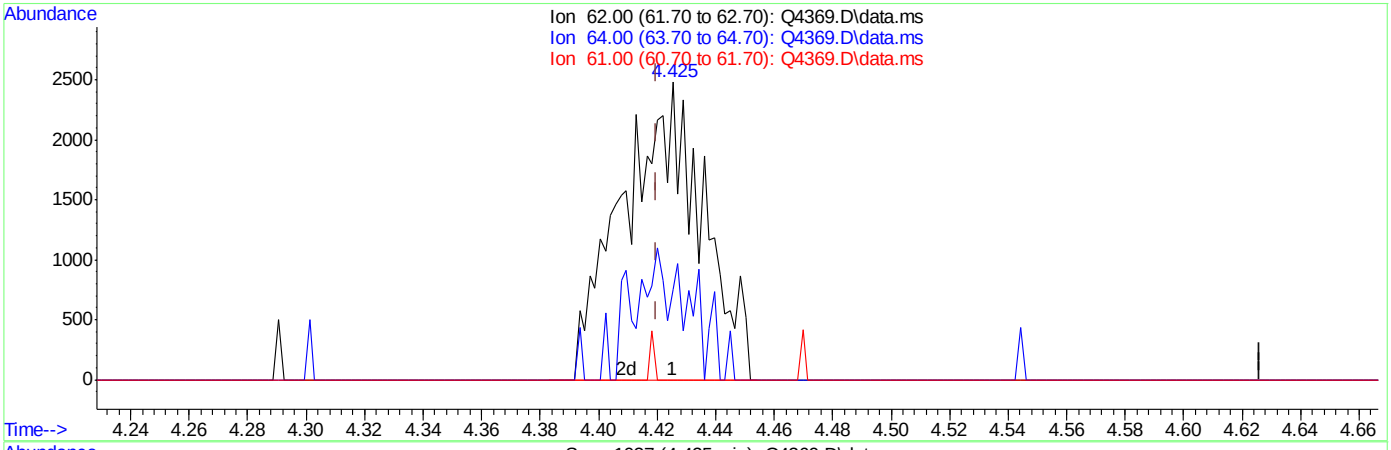
Ion	Exp%	Act%
62.00	100	100
64.00	31.30	38.43
61.00	9.40	1.30
0.00	0.00	0.00

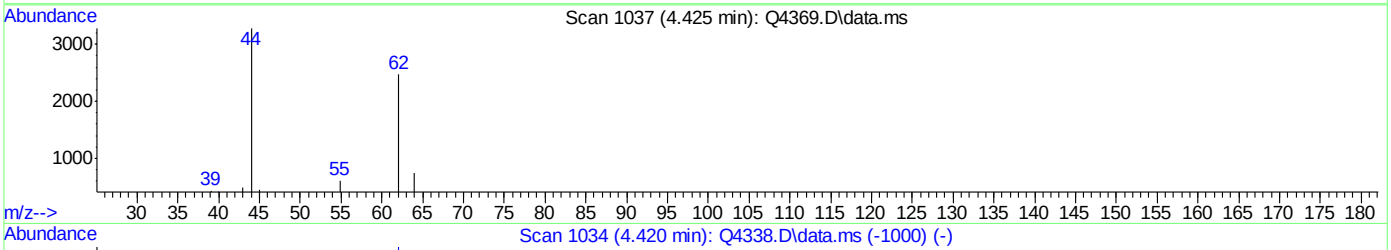
ACCUTEST Laboratories M66993

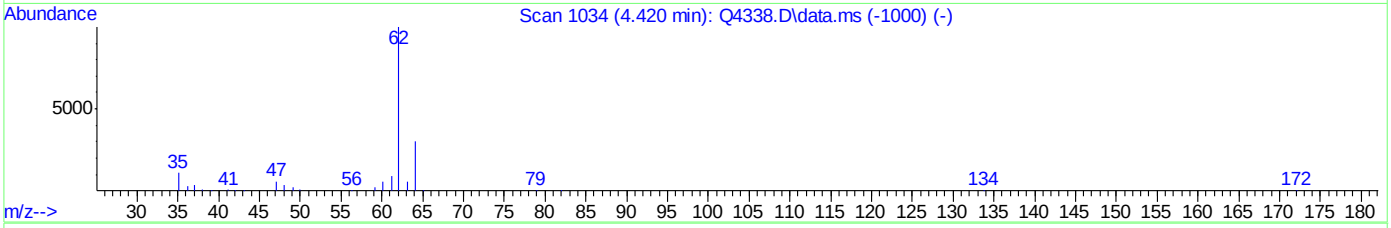
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4369.D
Acq On : 23 Aug 2007 11:25 am
Operator : danat
Sample : ic231-0.2 (M050)
Misc : MS14080, MSQ231,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 23 12:01:42 2007
Quant Method : C:\msdchem\1\METHODS\Q082307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 23 10:30:47 2007
Response via : Initial Calibration







TIC: Q4369.D\data.ms

(6) VINYL CHLORIDE (m)

4.425min (+0.005) 0.13PPBV m

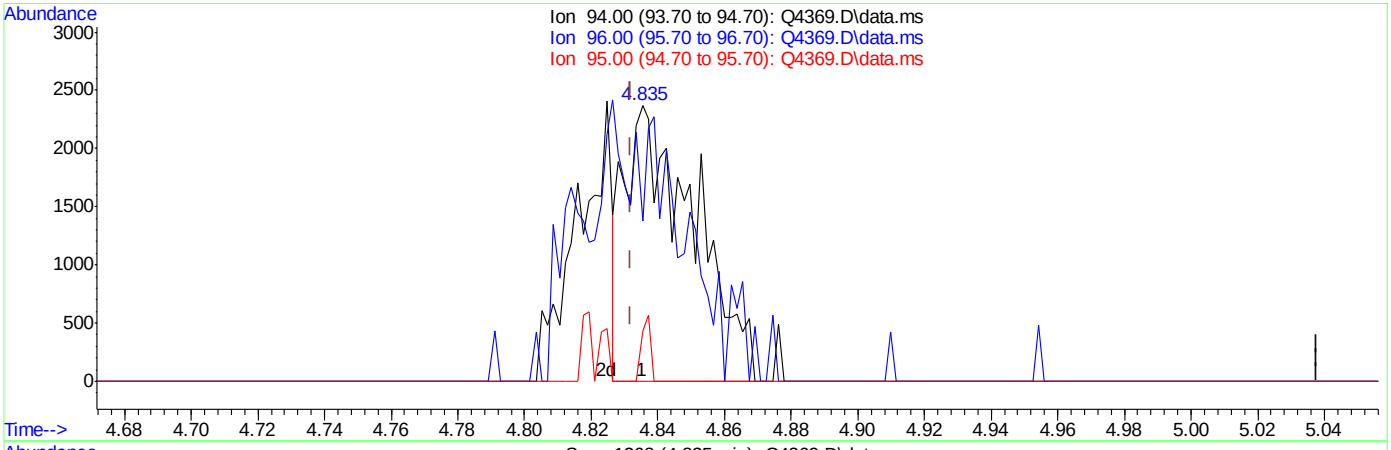
response 4662

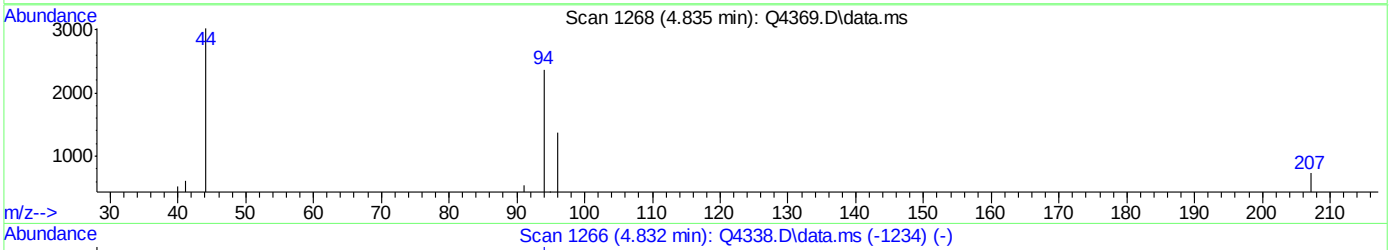
Ion	Exp%	Act%
62.00	100	100
64.00	31.30	27.95
61.00	9.40	0.94
0.00	0.00	0.00

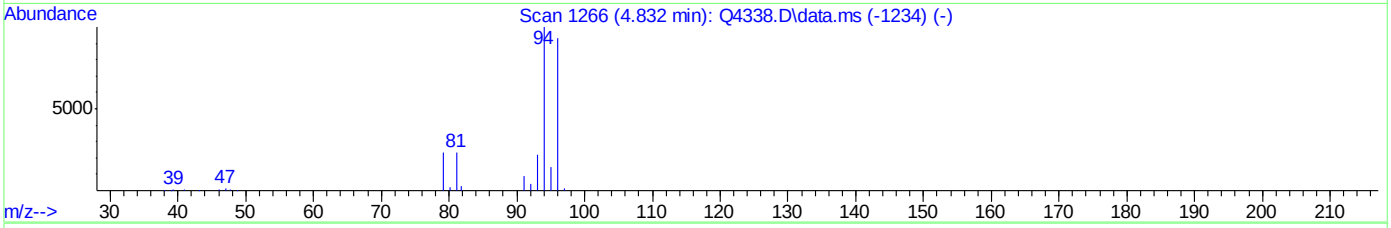
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4369.D
Acq On : 23 Aug 2007 11:25 am
Operator : danat
Sample : ic231-0.2 (M050)
Misc : MS14080, MSQ231,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 23 12:01:42 2007
Quant Method : C:\msdchem\1\METHODS\Q082307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 23 10:30:47 2007
Response via : Initial Calibration







TIC: Q4369.D\data.ms

(8) BROMOMETHANE (m)

4.835min (+0.004) 0.10PPBV

response 3436

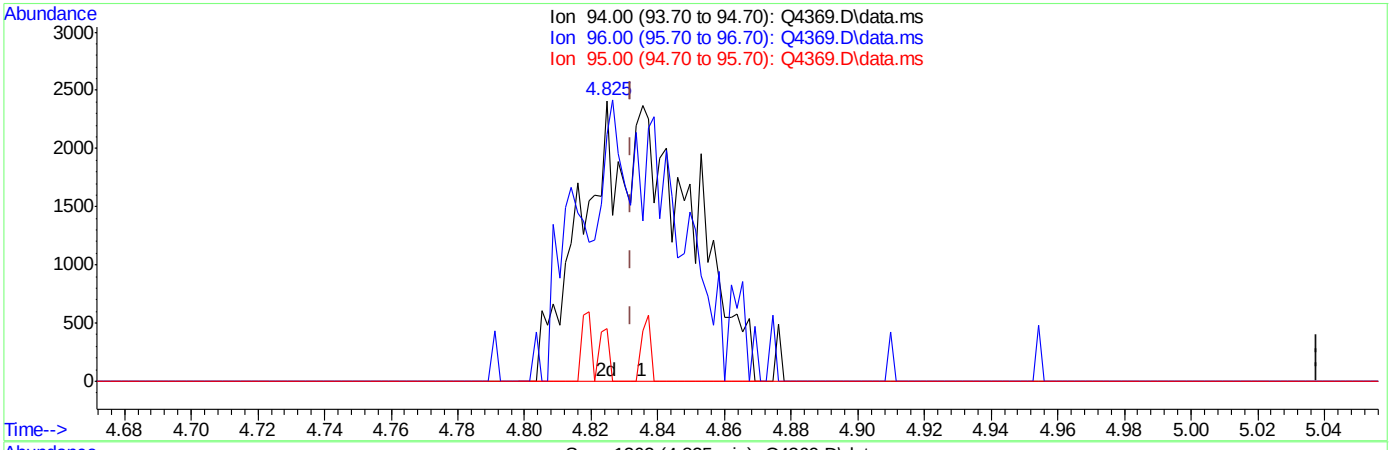
Ion	Exp%	Act%
94.00	100	100
96.00	91.80	0.00#
95.00	14.50	3.08
0.00	0.00	0.00

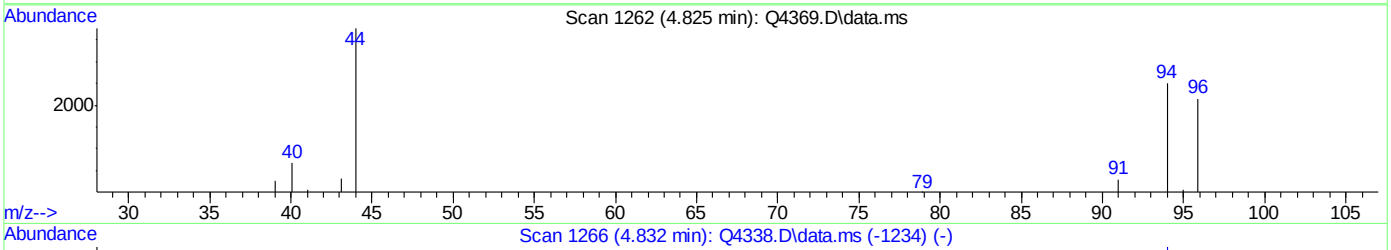
ACCUTEST Laboratories M66993

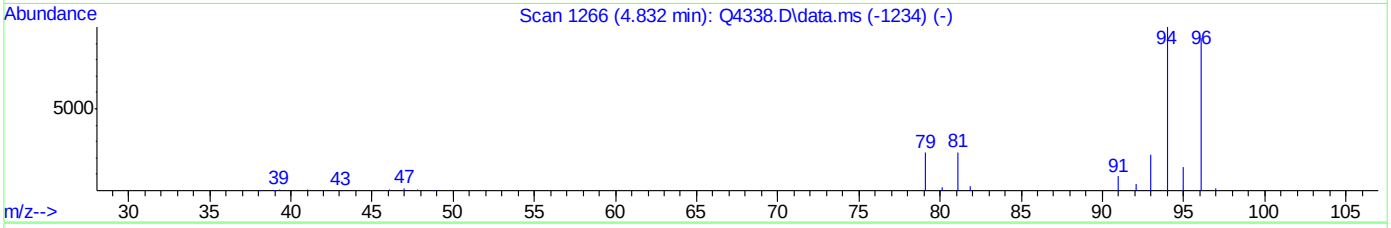
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4369.D
Acq On : 23 Aug 2007 11:25 am
Operator : danat
Sample : ic231-0.2 (M050)
Misc : MS14080, MSQ231,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 23 12:01:42 2007
Quant Method : C:\msdchem\1\METHODS\Q082307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 23 10:30:47 2007
Response via : Initial Calibration







TIC: Q4369.D\data.ms

(8) BROMOMETHANE (m)

4.825min (-0.007) 0.15PPBV m

response 5138

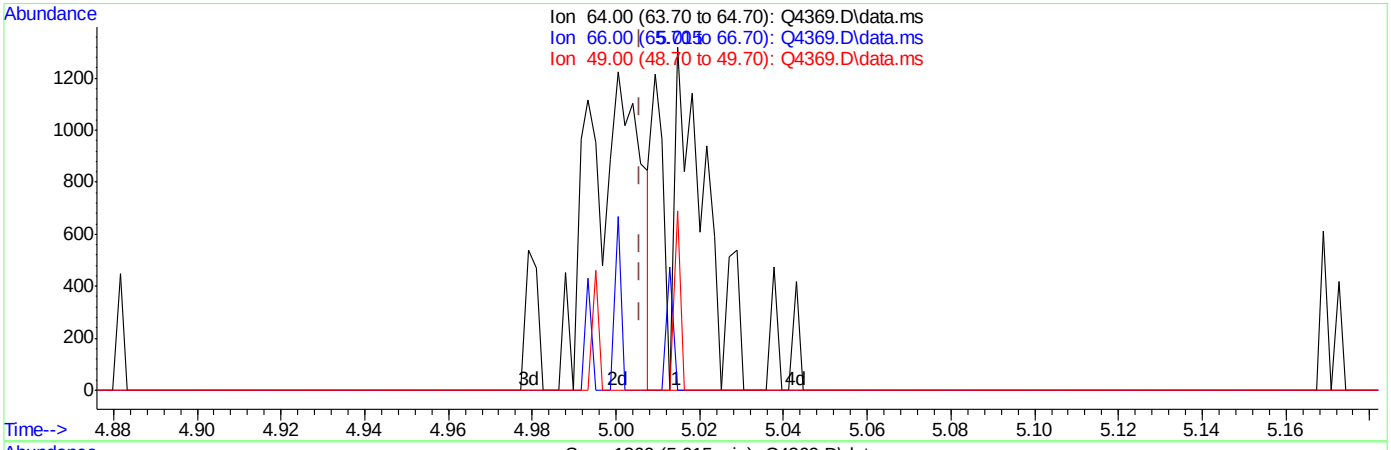
Ion	Exp%	Act%
94.00	100	100
96.00	91.80	0.00#
95.00	14.50	2.06
0.00	0.00	0.00

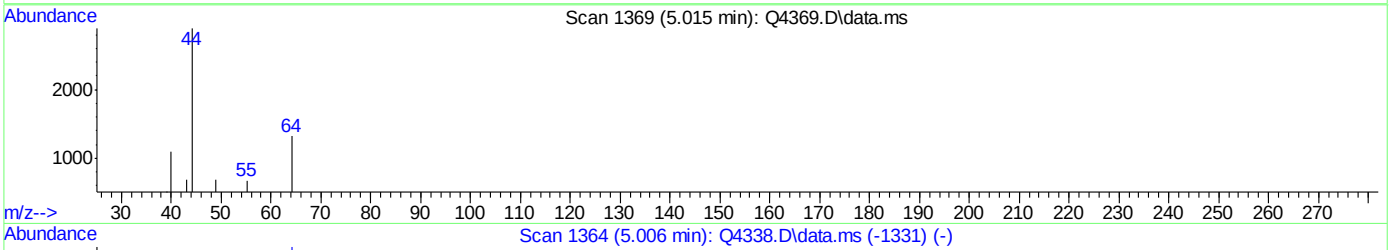
ACCUTEST Laboratories M66993

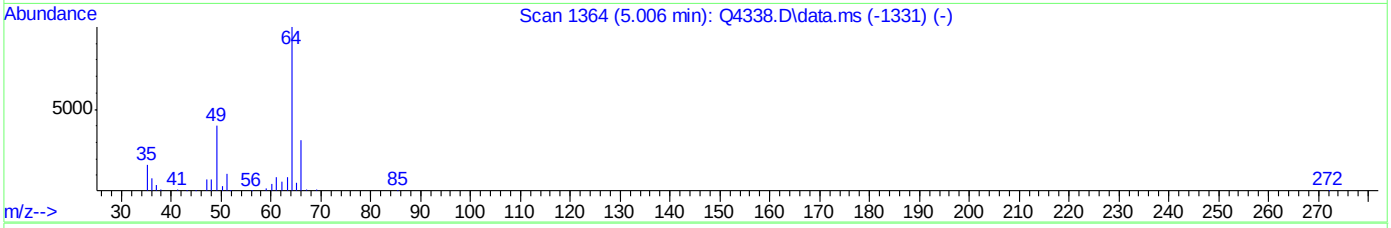
Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q4369.D
Acq On    : 23 Aug 2007  11:25 am
Operator  : danat
Sample    : ic231-0.2 (M050)
Misc      : MS14080, MSQ231,,,,,1
ALS Vial  : 1   Sample Multiplier: 1

Quant Time: Aug 23 12:01:42 2007
Quant Method : C:\msdchem\1\METHODS\Q082307T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 23 10:30:47 2007
Response via : Initial Calibration
```





TIC: Q4369.D\data.ms

(9) CHLOROETHANE (m)

5.015min (+0.009) 0.05PPBV

response 924

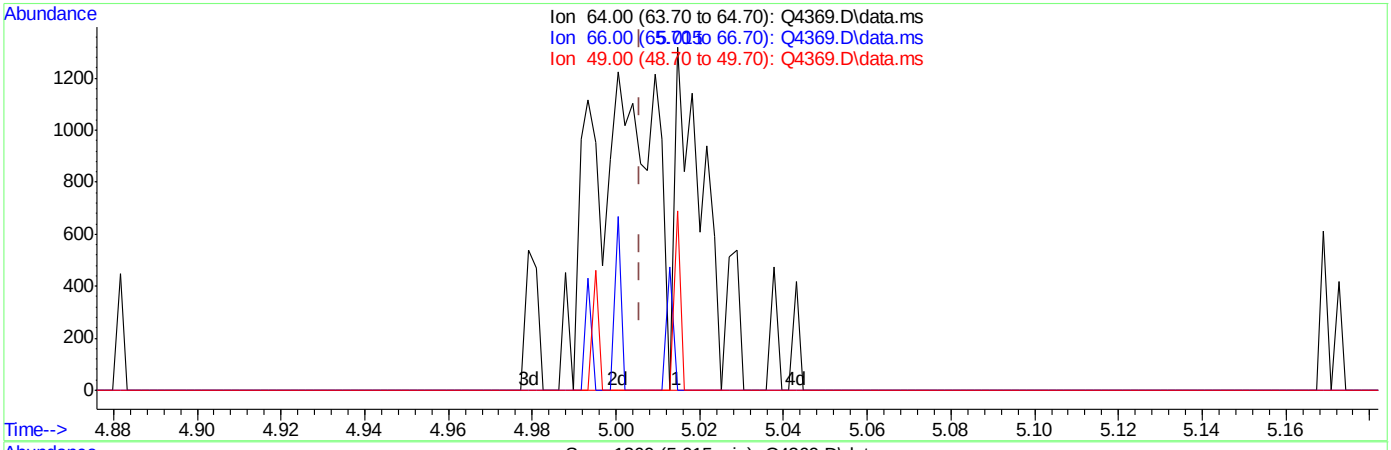
Ion	Exp%	Act%
64.00	100	100
66.00	32.50	0.00#
49.00	42.00	7.90#
0.00	0.00	0.00

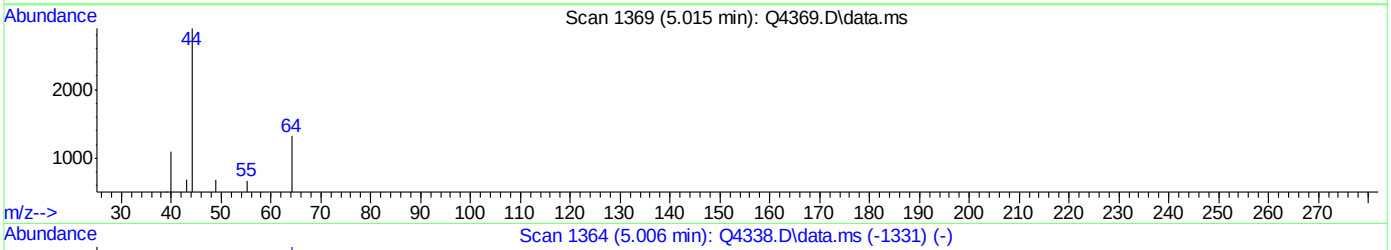
ACCUTEST Laboratories M66993

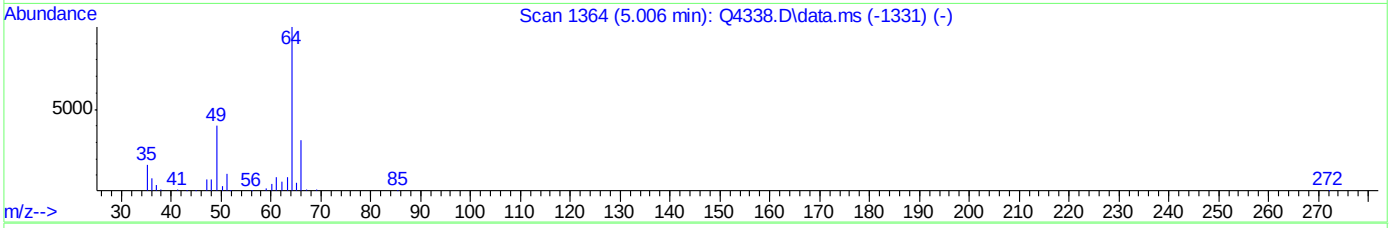
Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q4369.D
Acq On    : 23 Aug 2007  11:25 am
Operator  : danat
Sample    : ic231-0.2 (M050)
Misc      : MS14080, MSQ231,,,,,1
ALS Vial  : 1   Sample Multiplier: 1

Quant Time: Aug 23 12:01:42 2007
Quant Method : C:\msdchem\1\METHODS\Q082307T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 23 10:30:47 2007
Response via : Initial Calibration
```





TIC: Q4369.D\data.ms

(9) CHLOROETHANE (m)

5.015min (+0.009) 0.10PPBV m

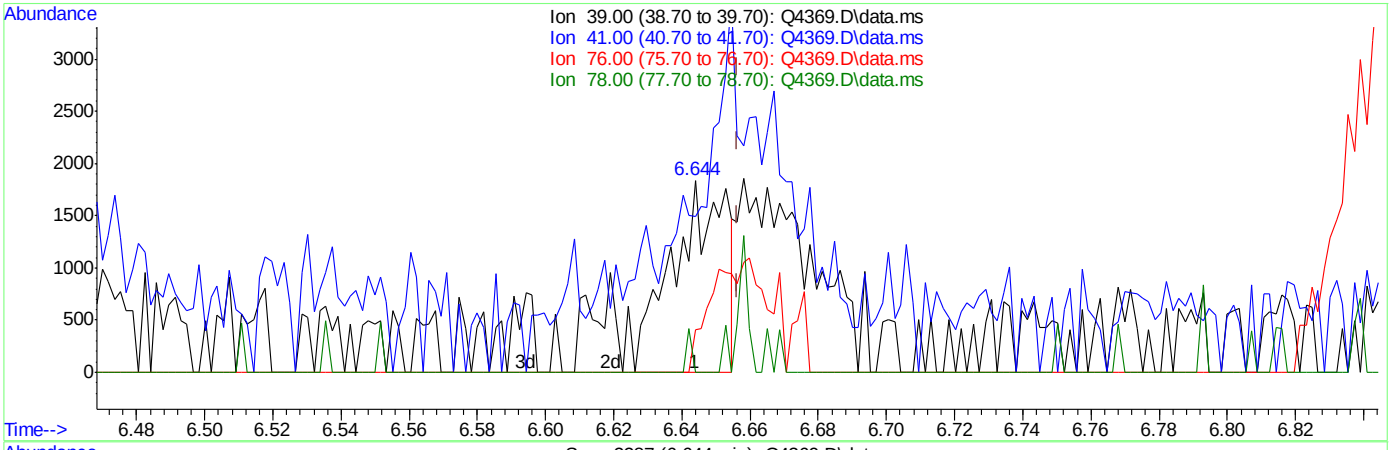
response 1819

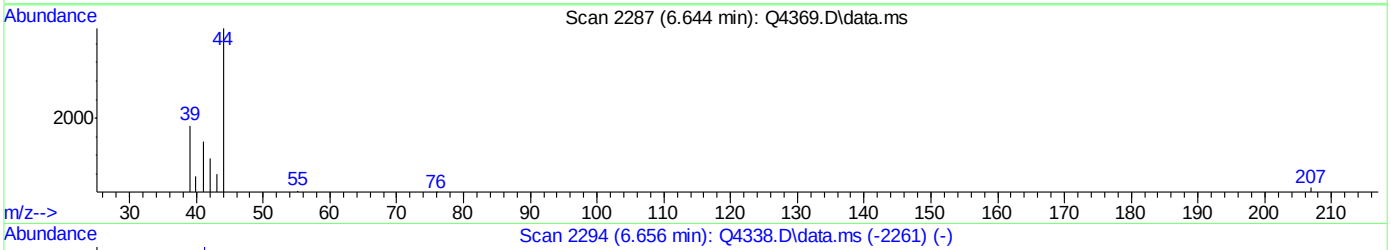
Ion	Exp%	Act%
64.00	100	100
66.00	32.50	0.00#
49.00	42.00	4.01#
0.00	0.00	0.00

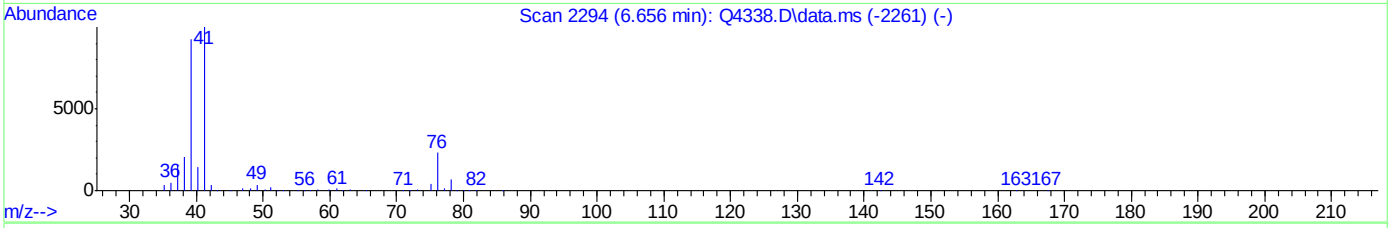
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4369.D
Acq On : 23 Aug 2007 11:25 am
Operator : danat
Sample : ic231-0.2 (M050)
Misc : MS14080, MSQ231,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 23 12:01:42 2007
Quant Method : C:\msdchem\1\METHODS\Q082307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 23 10:30:47 2007
Response via : Initial Calibration







TIC: Q4369.D\data.ms

(19) 3-CHLOROPROPENE (m)

6.644min (-0.012) 0.04PPBV

response 1973

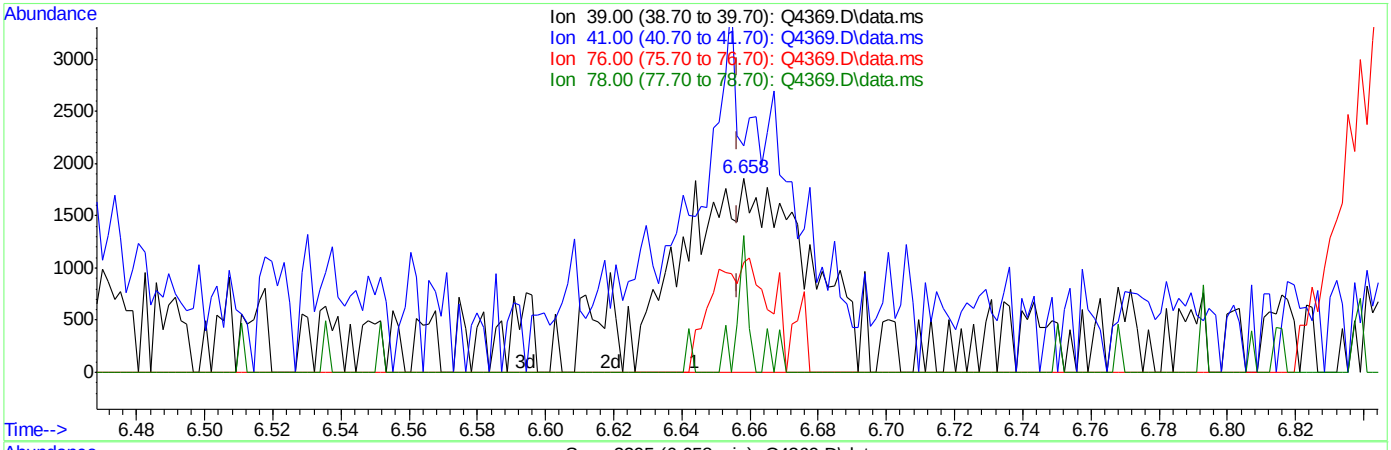
Ion	Exp%	Act%
39.00	100	100
41.00	112.90	338.11#
76.00	25.80	73.19#
78.00	8.30	18.80

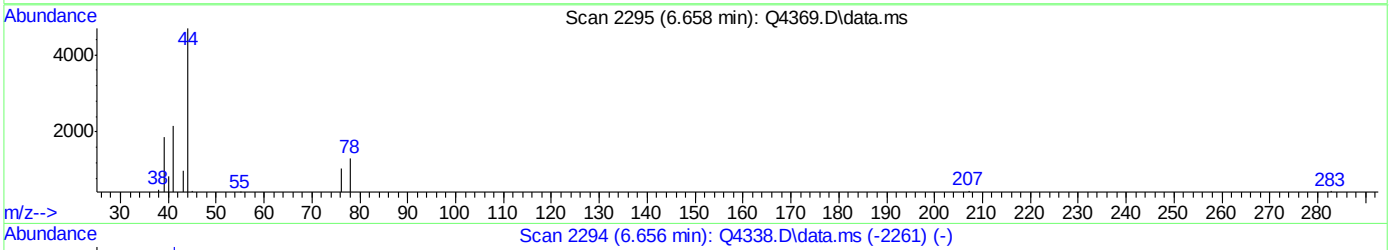
ACCUTEST Laboratories M66993

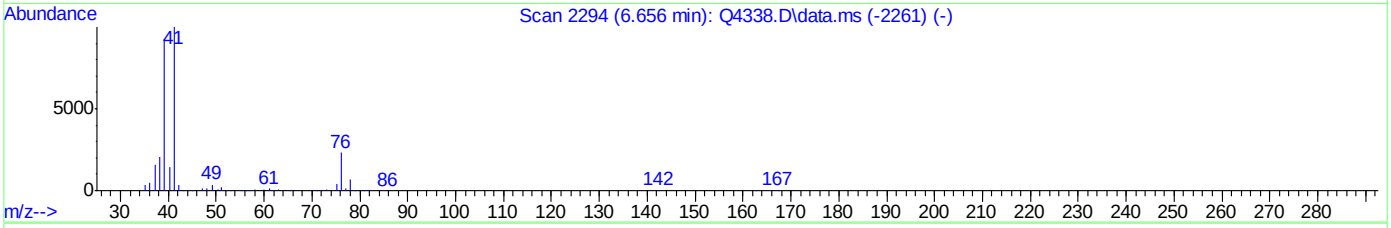
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4369.D
Acq On : 23 Aug 2007 11:25 am
Operator : danat
Sample : ic231-0.2 (M050)
Misc : MS14080, MSQ231,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 23 12:01:42 2007
Quant Method : C:\msdchem\1\METHODS\Q082307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 23 10:30:47 2007
Response via : Initial Calibration







TIC: Q4369.D\data.ms

(19) 3-CHLOROPROPENE (m)

6.658min (+0.002) 0.10PPBV m

response 4623

Ion	Exp%	Act%
39.00	100	100
41.00	112.90	144.30#
76.00	25.80	31.24
78.00	8.30	8.03

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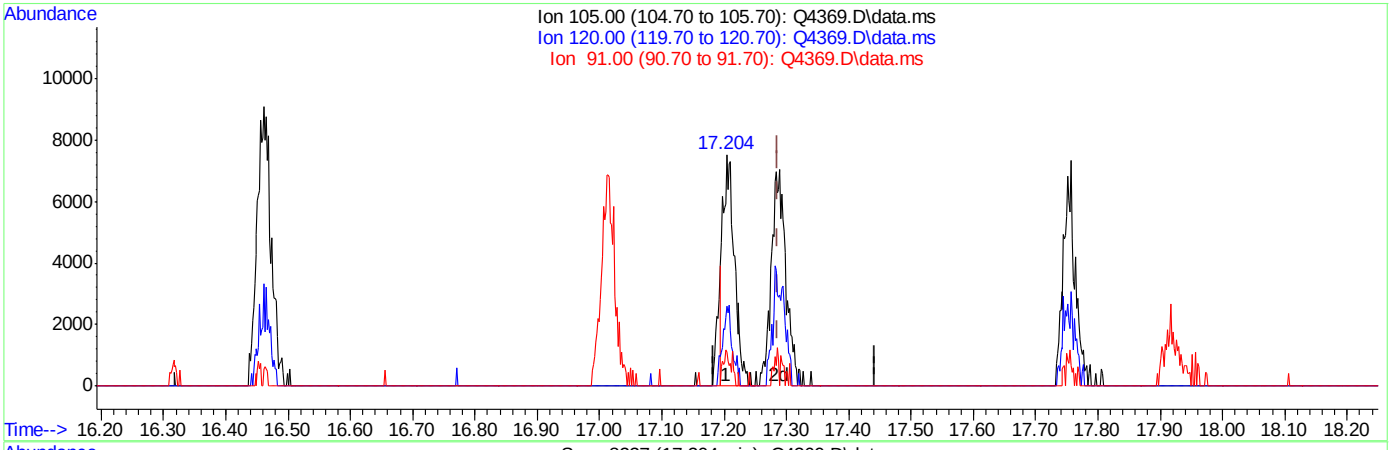
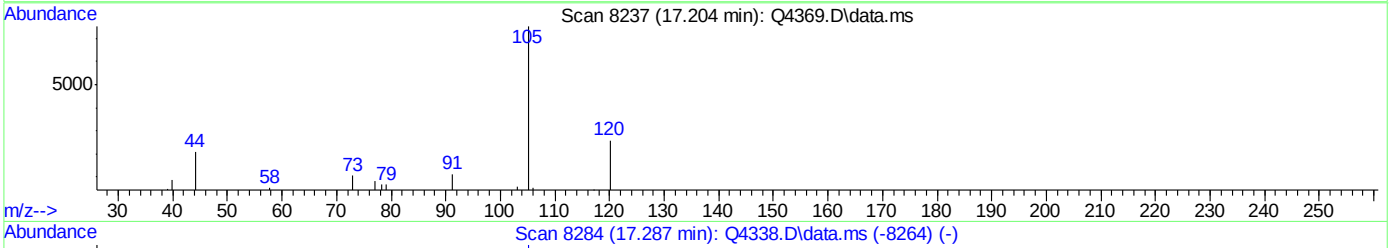
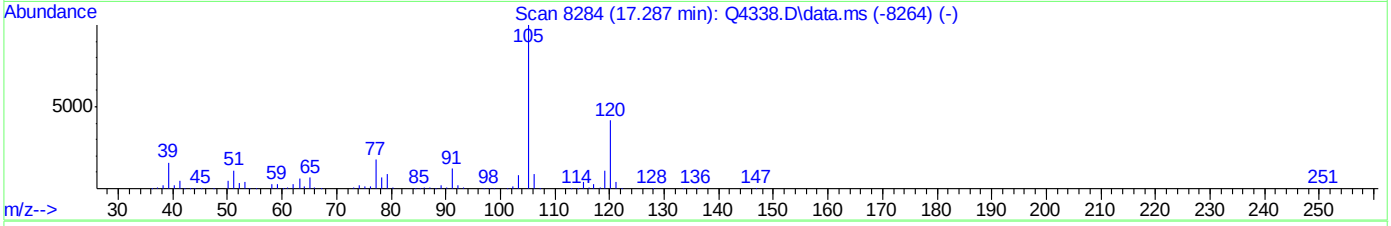
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4369.D
Acq On : 23 Aug 2007 11:25 am
Operator : danat
Sample : ic231-0.2 (M050)
Misc : MS14080, MSQ231,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 23 12:01:42 2007
Quant Method : C:\msdchem\1\METHODS\Q082307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 23 10:30:47 2007
Response via : Initial Calibration







TIC: Q4369.D\data.ms

(66) 1,3,5-TRIMETHYLBENZENE (m)

17.204min (-0.083) 0.14PPBV

response 9843

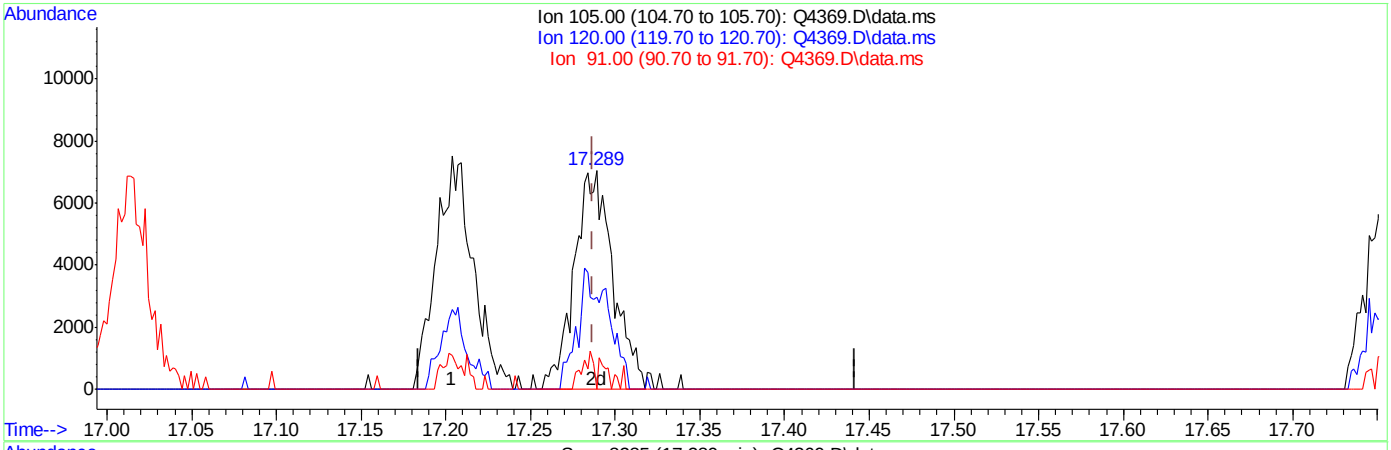
Ion	Exp%	Act%
105.00	100	100
120.00	42.20	26.95
91.00	12.60	10.72
0.00	0.00	0.00

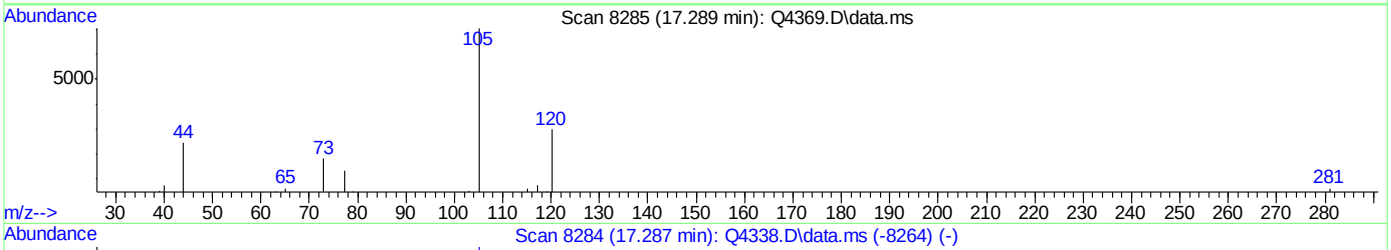
ACCUTEST Laboratories M66993

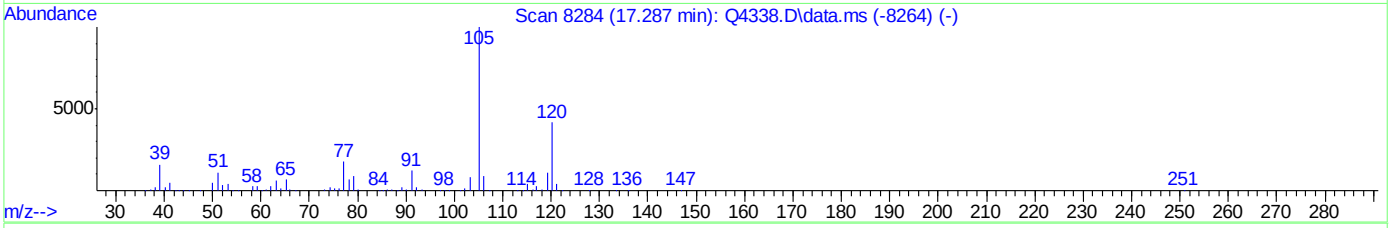
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4369.D
Acq On : 23 Aug 2007 11:25 am
Operator : danat
Sample : ic231-0.2 (M050)
Misc : MS14080, MSQ231,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 23 12:01:42 2007
Quant Method : C:\msdchem\1\METHODS\Q082307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 23 10:30:47 2007
Response via : Initial Calibration







TIC: Q4369.D\data.ms

(66) 1,3,5-TRIMETHYLBENZENE (m)

17.289min (+0.002) 0.16PPBV m

response 11182

Ion	Exp%	Act%
105.00	100	100
120.00	42.20	23.73
91.00	12.60	9.43
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Philip Bassignani
08/29/07 09:03

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4370.D
Acq On : 23 Aug 2007 12:07 pm
Operator : danat
Sample : ic231-40 (M053)
Misc : MS14080, MSQ231,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 23 13:11:33 2007
Quant Method : C:\msdchem\1\METHODS\Q082307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 23 10:30:47 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.628	128	217960	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.456	114	986070	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.701	117	816140	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.322	95	266355	4.91	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 98.20%

Target Compounds							Qvalue
2) DICHLORODIFLUOROMETHANE	4.033	85	3007999	26.87	PPBV		94
3) PROPYLENE	3.964	41	702673	31.31	PPBV		94
4) FREON 114	4.298	85	3025160	28.30	PPBV		84
5) CHLOROMETHANE	4.198	50	815925	23.10	PPBV		95
6) VINYL CHLORIDE	4.422	62	957622	28.77	PPBV		99
7) 1,3-BUTADIENE	4.557	39	715313	19.61	PPBV	#	76
8) BROMOMETHANE	4.832	94	1033041	32.73	PPBV		98
9) CHLOROETHANE	5.008	64	445264	27.68	PPBV		88
10) TRICHLOROFLUOROMETHANE	5.787	101	2954414	26.60	PPBV		98
11) ISOPROPYL ALCOHOL	5.822	45	1318277	21.40	PPBV		88
12) ACETONE	5.591	43	1101197	13.66	PPBV		82
13) PENTANE	6.142	42	854451	17.44	PPBV		93
14) 1,1-DICHLOROETHYLENE	6.420	96	983393	32.19	PPBV	#	51
15) CARBON DISULFIDE	6.853	76	2611391	22.69	PPBV		86
16) ETHANOL	5.089	45	298088	21.20	PPBV		95
17) BROMOETHENE	5.364	106	1019189	38.93	PPBV	#	94
18) METHYLENE CHLORIDE	6.536	84	923299	15.27	PPBV		64
19) 3-CHLOROPROPENE	6.656	39	827498	19.63	PPBV	#	79
20) FREON 113	6.793	151	1904455	35.10	PPBV	#	73
21) TRANS-1,2-DICHLOROETHY...	7.464	96	978345	32.14	PPBV	#	64
22) TERTIARY BUTYL ALCOHOL	6.426	59	1728059	26.88	PPBV		76
23) METHYL TERTIARY BUTYL ...	7.702	73	2021143	29.81	PPBV		83
24) TETRAHYDROFURAN	9.132	42	809815	33.87	PPBV		80
25) HEXANE	8.664	57	1351373	25.65	PPBV	#	75
26) VINYL ACETATE	7.783	43	1683326	27.63	PPBV		77
27) 1,1-DICHLOROETHANE	7.659	63	1714072	21.00	PPBV		97
28) METHYL ETHYL KETONE	8.025	43	1579072	29.05	PPBV		88
29) cis-1,2-DICHLOROETHYLENE	8.465	96	1022095	49.32	PPBV	#	70
30) ETHYL ACETATE	8.662	43	2357957	20.32	PPBV		99
31) CHLOROFORM	8.751	83	2246017	26.44	PPBV		90
32) 1,1,1-TRICHLOROETHANE	9.704	97	2247313	28.86	PPBV		89
33) CARBON TETRACHLORIDE	10.289	117	2512719	29.34	PPBV		100
34) 1,2-DICHLOROETHANE	9.459	62	1409654	27.33	PPBV		98
36) BENZENE	10.146	78	2888989	43.72	PPBV		93
37) CYCLOHEXANE	10.410	84	1200624	46.59	PPBV	#	74
38) TRICHLOROETHYLENE	11.145	95	1416329	38.84	PPBV	#	81
39) 1,2-DICHLOROPROPANE	10.919	63	1017847	37.15	PPBV		93
40) BROMODICHLOROMETHANE	11.104	83	2453167	34.93	PPBV		98
41) 2,2,4-TRIMETHYLPENTANE	11.168	57	4496210	32.91	PPBV		98
42) 1,4-DIOXANE	11.129	88	519903	44.70	PPBV	#	66
43) HEPTANE	11.404	43	1677913	31.79	PPBV		81

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4370.D
Acq On : 23 Aug 2007 12:07 pm
Operator : danat
Sample : ic231-40 (M053)
Misc : MS14080, MSQ231,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 23 13:11:33 2007
Quant Method : C:\msdchem\1\METHODS\Q082307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 23 10:30:47 2007
Response via : Initial Calibration

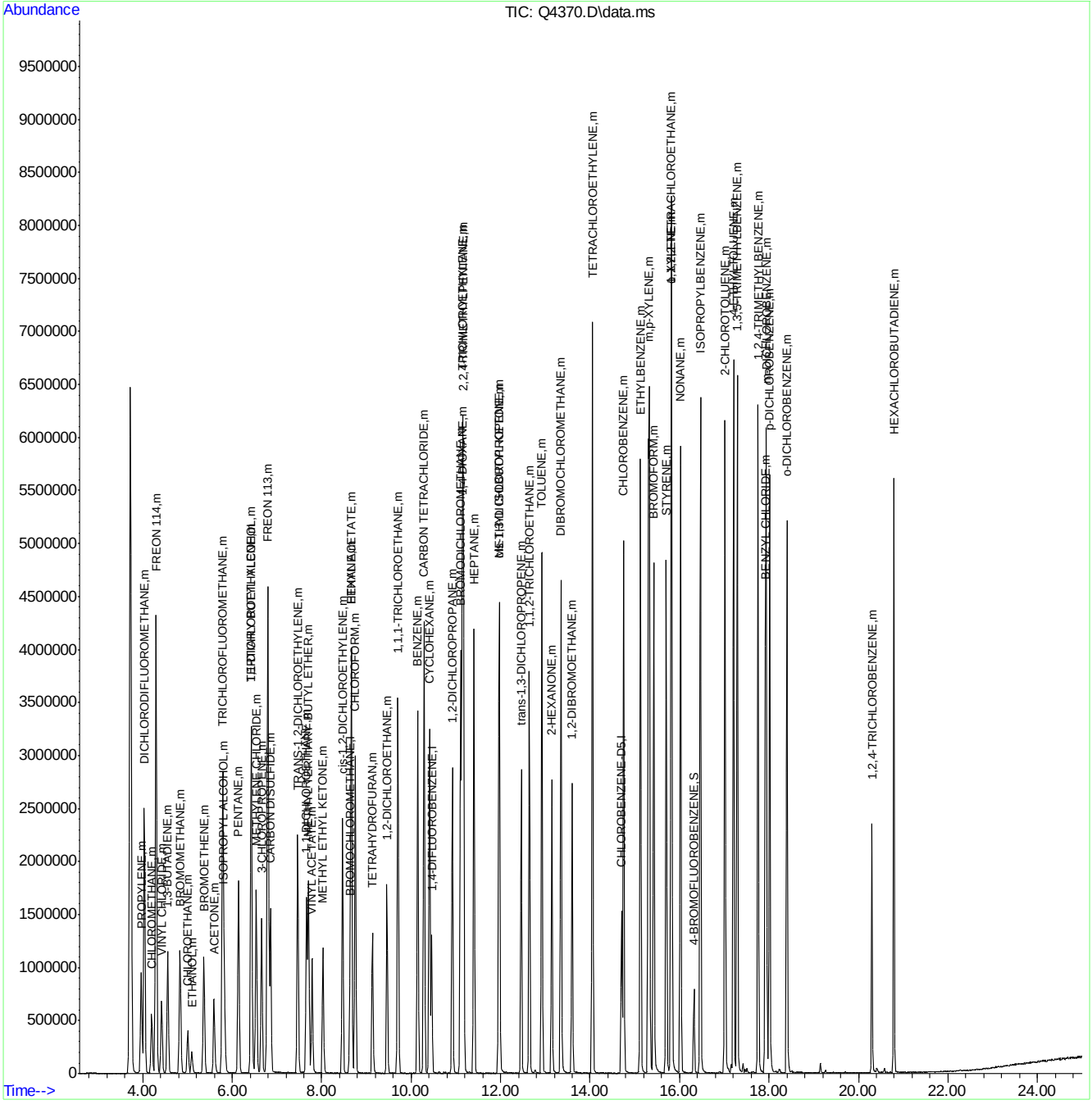
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.974	43	1954168	33.03 PPBV	86
45) cis-1,3-DICHLOROPROPENE	11.958	75	1522761	55.23 PPBV #	55
46) TOLUENE	12.921	92	1982293	41.47 PPBV	94
47) trans-1,3-DICHLOROPROPENE	12.460	75	1449419	80.54 PPBV #	74
48) 1,1,2-TRICHLOROETHANE	12.643	83	1007662	40.41 PPBV	93
50) 2-HEXANONE	13.143	43	1877060	44.67 PPBV	81
51) TETRACHLOROETHYLENE	14.054	164	1540583	58.58 PPBV	87
52) DIBROMOCHLOROMETHANE	13.347	129	2456494	50.02 PPBV	99
53) 1,2-DIBROMOETHANE	13.597	107	1786927	60.48 PPBV	98
54) CHLOROBENZENE	14.748	112	2655689	53.94 PPBV	86
55) ETHYLBENZENE	15.127	91	4107113	53.39 PPBV	92
56) m,p-XYLENE	15.324	106	3123016	115.57 PPBV #	81
57) o-XYLENE	15.821	106	1530088	56.64 PPBV #	77
58) STYRENE	15.702	104	2342187	111.89 PPBV	90
59) NONANE	16.022	43	2250613	33.18 PPBV	85
60) BROMOFORM	15.422	173	2335161	67.56 PPBV	97
62) 1,1,2,2-TETRACHLOROETHANE	15.809	83	2222445m	35.10 PPBV	
63) ISOPROPYLBENZENE	16.466	105	4397092m	53.87 PPBV	
64) 2-CHLOROTOLUENE	17.016	91	3390518	63.04 PPBV	84
65) 4-ETHYLTOLUENE	17.206	105	4146490	74.19 PPBV	94
66) 1,3,5-TRIMETHYLBENZENE	17.289	105	3493781	54.53 PPBV	91
67) 1,2,4-TRIMETHYLBENZENE	17.754	105	3327986	68.93 PPBV	92
68) m-DICHLOROBENZENE	17.937	146	2234128	122.85 PPBV	93
69) BENZYL CHLORIDE	17.916	91	2442879	150.62 PPBV	87
70) p-DICHLOROBENZENE	18.011	146	2118278	169.50 PPBV	98
71) o-DICHLOROBENZENE	18.398	146	1983529	102.61 PPBV	94
72) HEXACHLOROBUTADIENE	20.791	225	853087	38.99 PPBV	100
73) 1,2,4-TRICHLOROBENZENE	20.299	180	600207	301.66 PPBV	91

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4370.D
Acq On : 23 Aug 2007 12:07 pm
Operator : danat
Sample : ic231-40 (M053)
Misc : MS14080, MSQ231,,,,,1
ALS Vial : 2 Sample Multiplier: 1

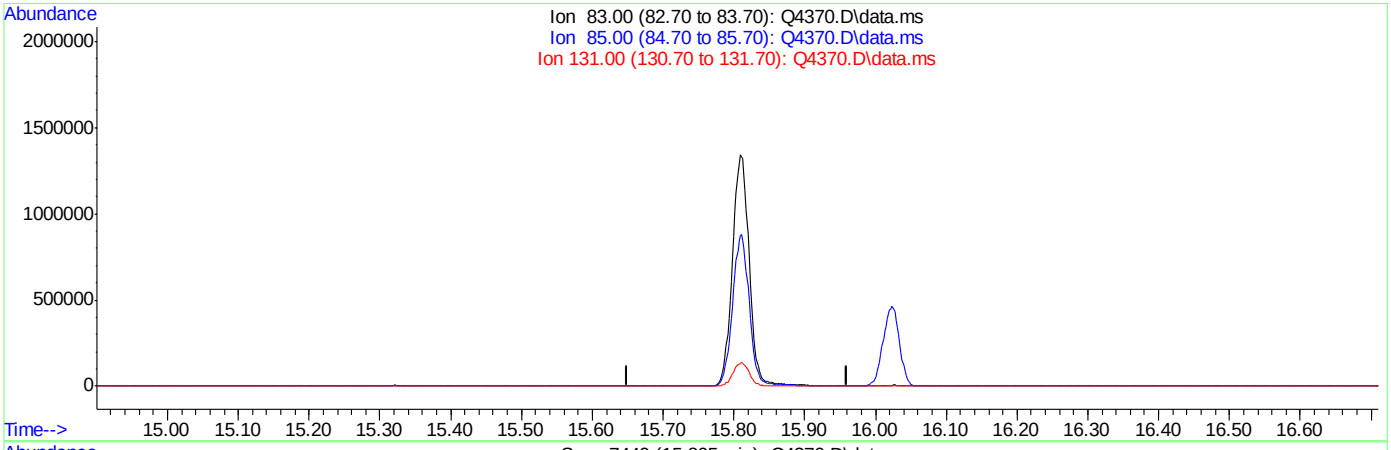
Quant Time: Aug 23 13:11:33 2007
Quant Method : C:\msdchem\1\METHODS\Q082307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 23 10:30:47 2007
Response via : Initial Calibration

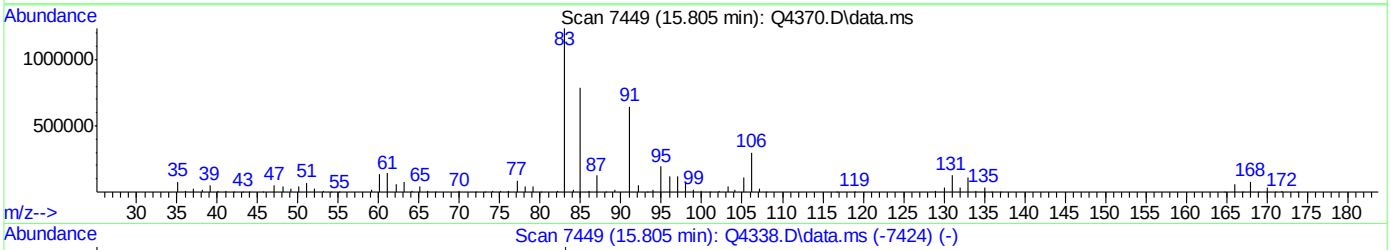


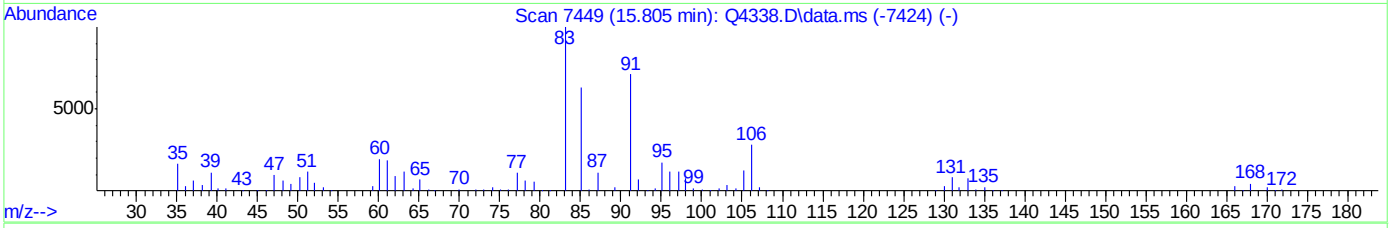
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4370.D
Acq On : 23 Aug 2007 12:07 pm
Operator : danat
Sample : ic231-40 (M053)
Misc : MS14080, MSQ231,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 23 13:10:08 2007
Quant Method : C:\msdchem\1\METHODS\Q082307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 23 10:30:47 2007
Response via : Initial Calibration







TIC: Q4370.D\data.ms

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

15.805min (-15.805) 0.00PPBV

response 0

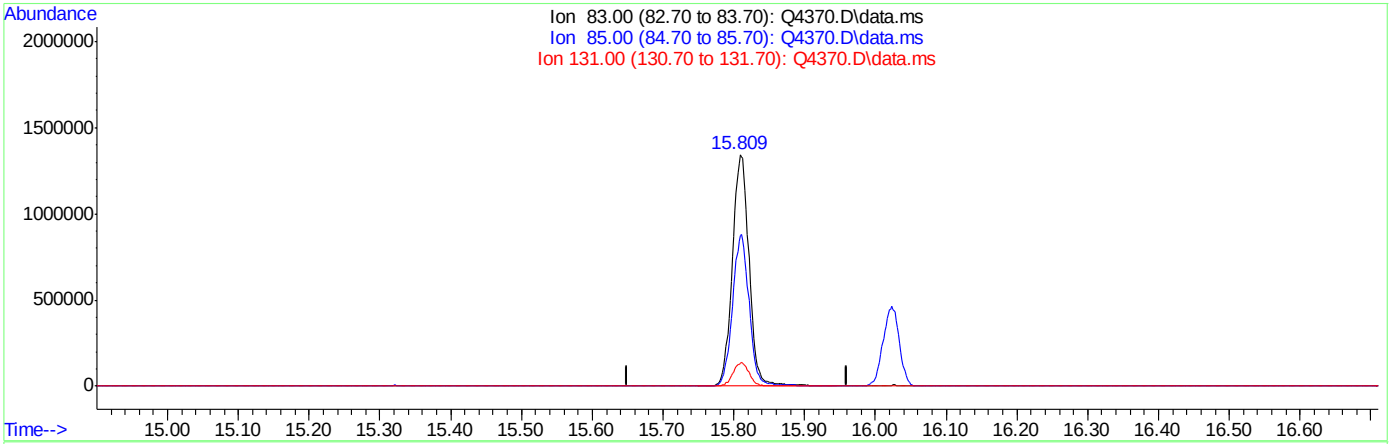
Ion	Exp%	Act%
83.00	100	0.00
85.00	63.70	0.00#
131.00	7.90	0.00
0.00	0.00	0.00

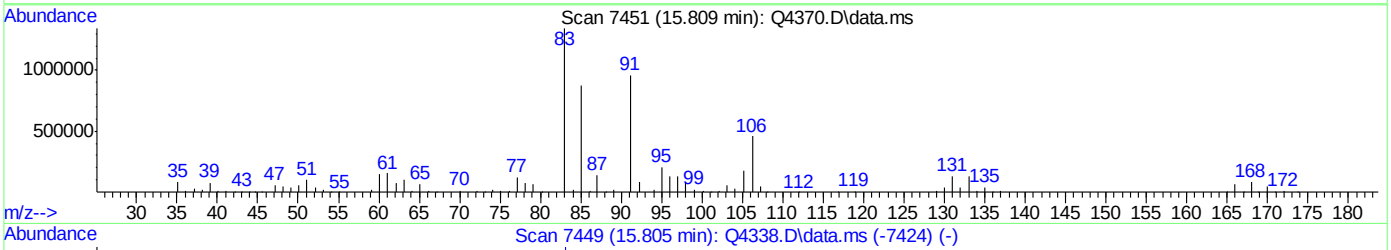
ACCUTEST Laboratories M66993

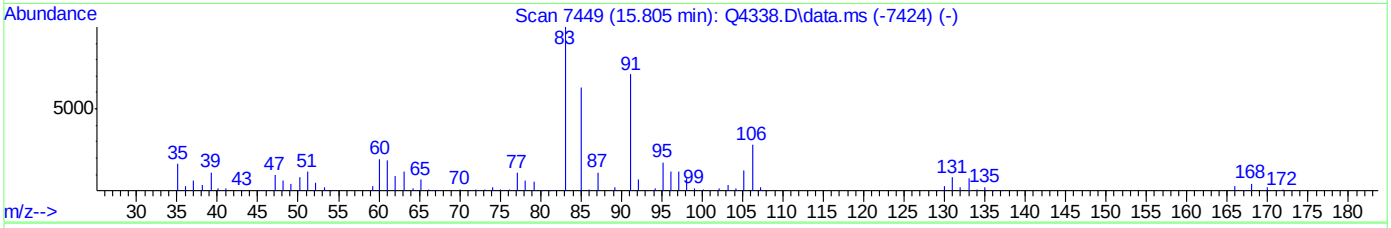
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4370.D
Acq On : 23 Aug 2007 12:07 pm
Operator : danat
Sample : ic231-40 (M053)
Misc : MS14080, MSQ231,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 23 13:10:08 2007
Quant Method : C:\msdchem\1\METHODS\Q082307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 23 10:30:47 2007
Response via : Initial Calibration







TIC: Q4370.D\data.ms

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

15.809min (+0.004) 35.10PPBV m

response 2222445

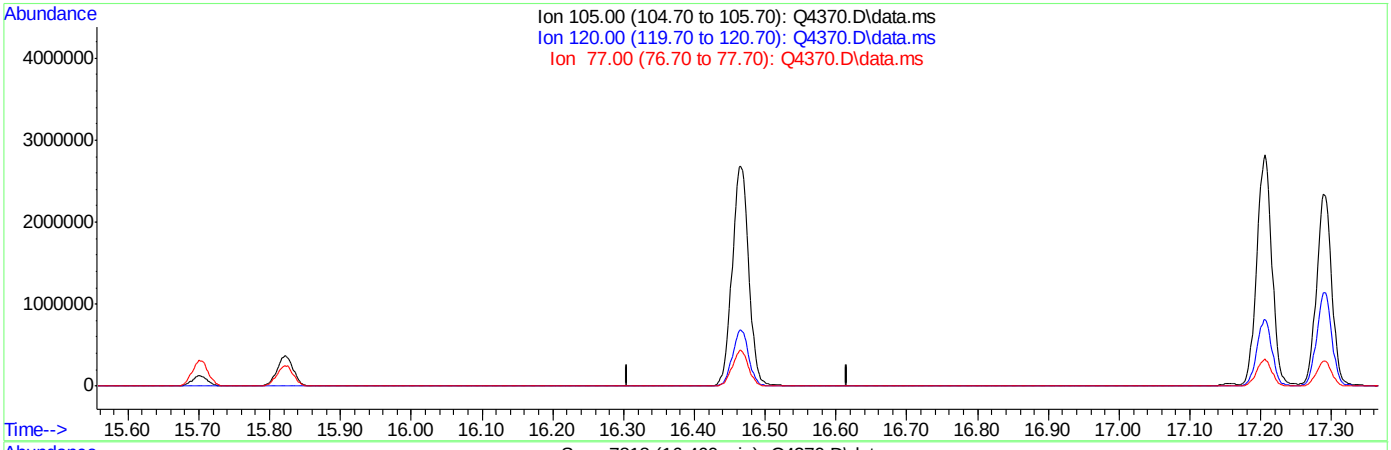
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	0.00#
131.00	7.90	0.00
0.00	0.00	0.00

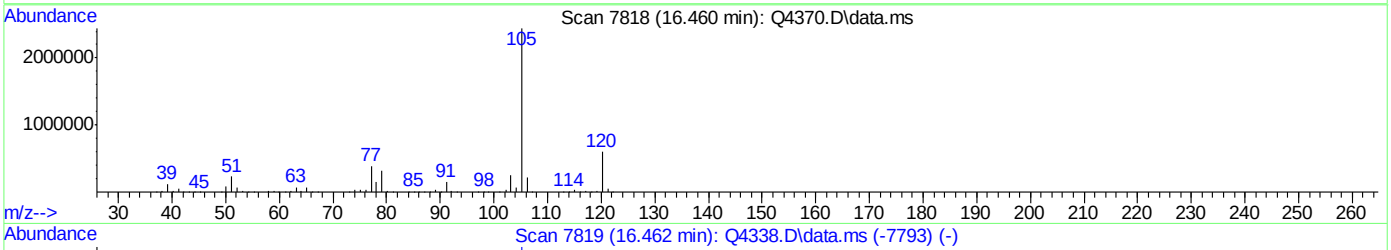
ACCUTEST Laboratories M66993

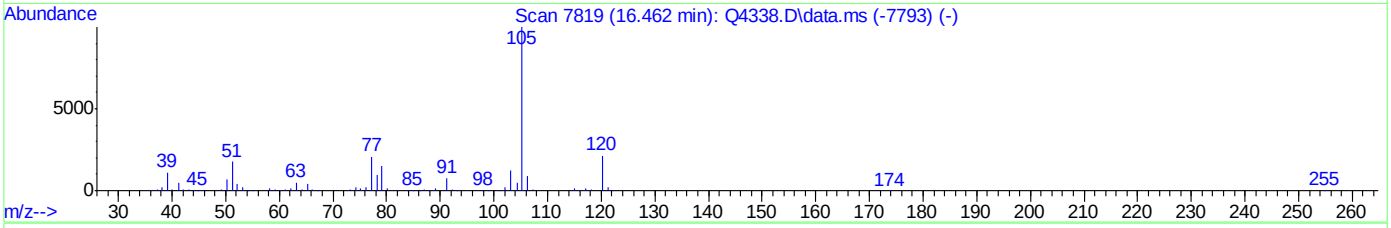
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4370.D
Acq On : 23 Aug 2007 12:07 pm
Operator : danat
Sample : ic231-40 (M053)
Misc : MS14080, MSQ231,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 23 13:10:08 2007
Quant Method : C:\msdchem\1\METHODS\Q082307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 23 10:30:47 2007
Response via : Initial Calibration







TIC: Q4370.D\data.ms

(63) ISOPROPYLBENZENE (m)

16.461min (-16.461) 0.00PPBV

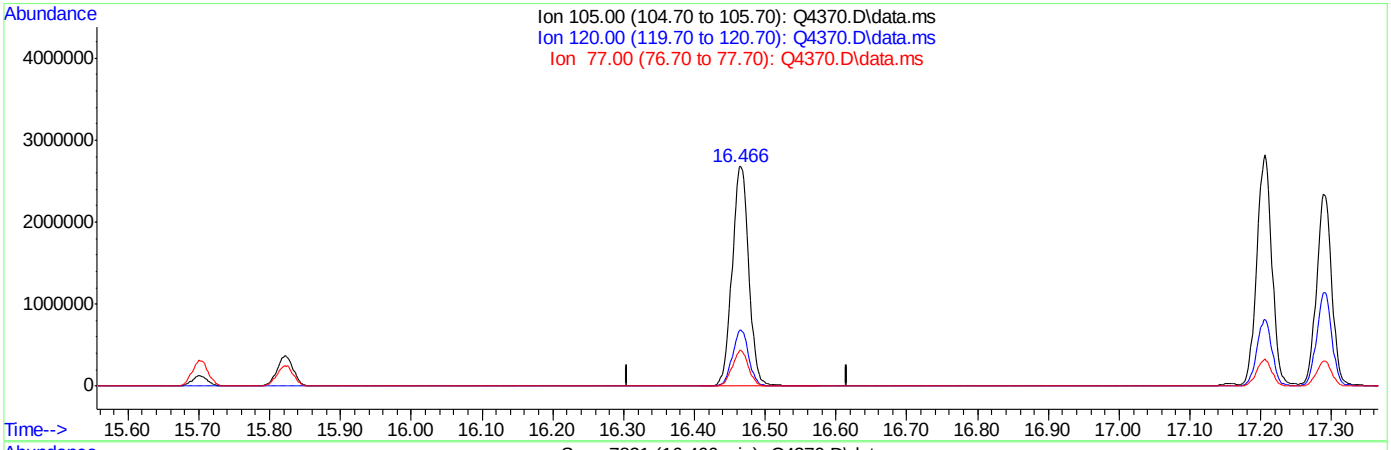
response 0

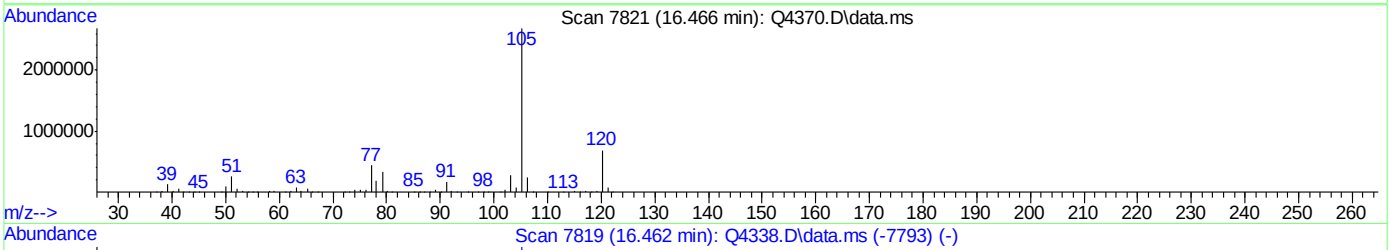
Ion	Exp%	Act%
105.00	100	0.00
120.00	21.40	0.00#
77.00	21.40	0.00#
0.00	0.00	0.00

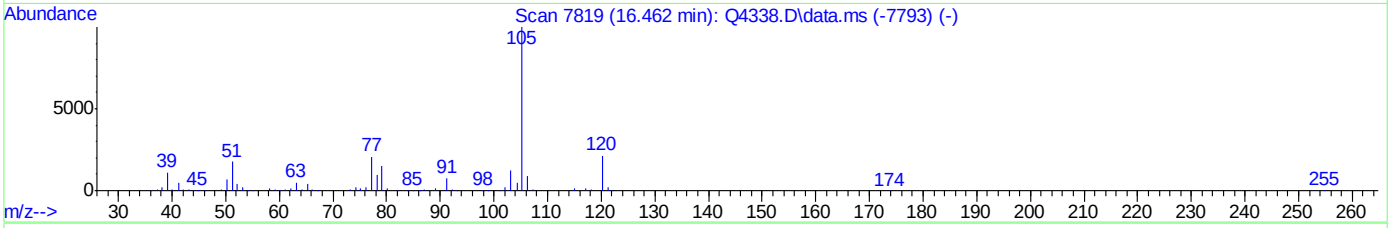
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4370.D
Acq On : 23 Aug 2007 12:07 pm
Operator : danat
Sample : ic231-40 (M053)
Misc : MS14080, MSQ231,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 23 13:10:08 2007
Quant Method : C:\msdchem\1\METHODS\Q082307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 23 10:30:47 2007
Response via : Initial Calibration







TIC: Q4370.D\data.ms

(63) ISOPROPYLBENZENE (m)

16.466min (+0.005) 53.87PPBV m

response 4397092

Ion	Exp%	Act%
105.00	100	100
120.00	21.40	0.00#
77.00	21.40	0.00#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4371.D
Acq On : 23 Aug 2007 12:48 pm
Operator : danat
Sample : ic231-20 (M053)
Misc : MS14080, MSQ231,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 23 13:14:56 2007
Quant Method : C:\msdchem\1\METHODS\Q082307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 23 10:30:47 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.630	128	248155	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.458	114	1191668	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.701	117	965363	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.316	95	310119	4.83	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 96.60%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.035	85	1534444	12.04	PPBV	94
3) PROPYLENE	3.962	41	356078	13.94	PPBV	96
4) FREON 114	4.296	85	1471148	12.09	PPBV	85
5) CHLOROMETHANE	4.200	50	398680	9.91	PPBV	97
6) VINYL CHLORIDE	4.420	62	471902	12.45	PPBV	98
7) 1,3-BUTADIENE	4.553	39	345479	8.32	PPBV #	76
8) BROMOMETHANE	4.832	94	503087	14.00	PPBV	98
9) CHLOROETHANE	5.008	64	213580	11.66	PPBV	89
10) TRICHLOROFLUOROMETHANE	5.787	101	1375914	10.88	PPBV	98
11) ISOPROPYL ALCOHOL	5.819	45	604664	8.62	PPBV	86
12) ACETONE	5.590	43	517400	5.64	PPBV	82
13) PENTANE	6.142	42	405897	7.28	PPBV	92
14) 1,1-DICHLOROETHYLENE	6.424	96	455804	13.11	PPBV #	53
15) CARBON DISULFIDE	6.853	76	1210831	9.24	PPBV	87
16) ETHANOL	5.091	45	137651	8.60	PPBV	95
17) BROMOETHENE	5.364	106	485684	16.29	PPBV #	94
18) METHYLENE CHLORIDE	6.536	84	425569	6.18	PPBV	65
19) 3-CHLOROPROPENE	6.656	39	382227	7.96	PPBV #	79
20) FREON 113	6.797	151	869929	14.08	PPBV #	74
21) TRANS-1,2-DICHLOROETHY...	7.464	96	442830	12.78	PPBV #	65
22) TERTIARY BUTYL ALCOHOL	6.424	59	791132	10.81	PPBV	76
23) METHYL TERTIARY BUTYL ...	7.703	73	912666	11.82	PPBV	83
24) TETRAHYDROFURAN	9.132	42	372928	13.70	PPBV	80
25) HEXANE	8.662	57	628585	10.48	PPBV #	76
26) VINYL ACETATE	7.782	43	749985	10.81	PPBV	80
27) 1,1-DICHLOROETHANE	7.657	63	791999	8.52	PPBV	98
28) METHYL ETHYL KETONE	8.025	43	724364	11.70	PPBV	89
29) cis-1,2-DICHLOROETHYLENE	8.465	96	459131	19.46	PPBV #	70
30) ETHYL ACETATE	8.658	43	1111687	8.41	PPBV	99
31) CHLOROFORM	8.747	83	1018835	10.53	PPBV	91
32) 1,1,1-TRICHLOROETHANE	9.704	97	1007689	11.36	PPBV	89
33) CARBON TETRACHLORIDE	10.287	117	1118164	11.47	PPBV	100
34) 1,2-DICHLOROETHANE	9.457	62	624322	10.63	PPBV	98
36) BENZENE	10.144	78	1267993	15.88	PPBV	94
37) CYCLOHEXANE	10.408	84	536309	17.22	PPBV #	77
38) TRICHLOROETHYLENE	11.139	95	622569	14.13	PPBV #	83
39) 1,2-DICHLOROPROPANE	10.919	63	454254	13.72	PPBV	92
40) BROMODICHLOROMETHANE	11.102	83	1090354	12.85	PPBV	98
41) 2,2,4-TRIMETHYLPENTANE	11.162	57	2094659	12.69	PPBV	98
42) 1,4-DIOXANE	11.123	88	224710	15.99	PPBV #	64
43) HEPTANE	11.404	43	783677	12.28	PPBV	84

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4371.D
Acq On : 23 Aug 2007 12:48 pm
Operator : danat
Sample : ic231-20 (M053)
Misc : MS14080, MSQ231,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 23 13:14:56 2007
Quant Method : C:\msdchem\1\METHODS\Q082307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 23 10:30:47 2007
Response via : Initial Calibration

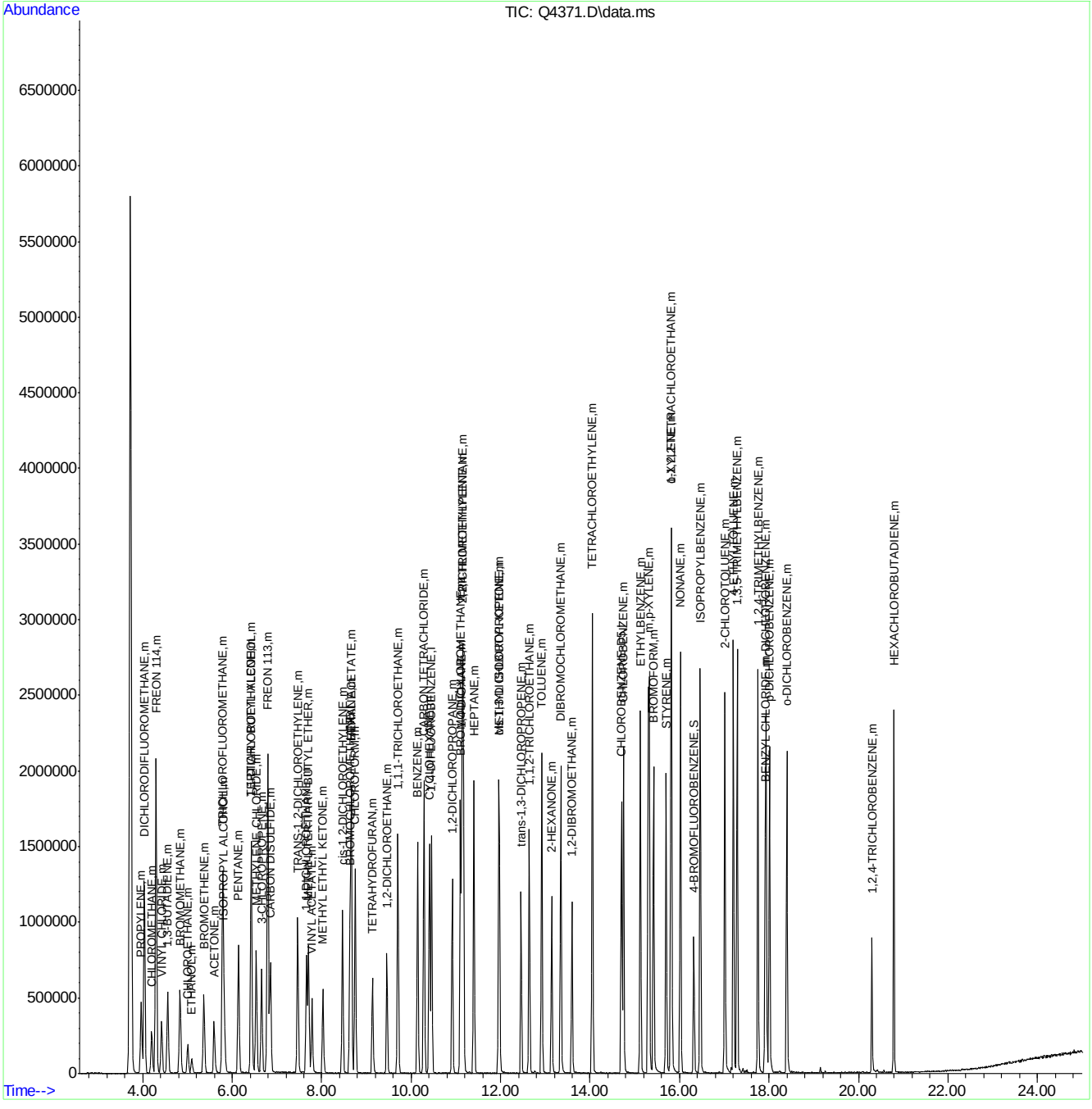
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.972	43	883566	12.36 PPBV	88
45) cis-1,3-DICHLOROPROPENE	11.958	75	655624	19.68 PPBV #	56
46) TOLUENE	12.918	92	846192	14.65 PPBV	94
47) trans-1,3-DICHLOROPROPENE	12.456	75	604403	27.79 PPBV #	75
48) 1,1,2-TRICHLOROETHANE	12.637	83	431341	14.31 PPBV	93
50) 2-HEXANONE	13.140	43	812990	16.36 PPBV	81
51) TETRACHLOROETHYLENE	14.052	164	634860	20.41 PPBV	88
52) DIBROMOCHLOROMETHANE	13.345	129	1028447	17.71 PPBV	99
53) 1,2-DIBROMOETHANE	13.594	107	745913	21.34 PPBV	98
54) CHLOROBENZENE	14.744	112	1098957	18.87 PPBV	86
55) ETHYLBENZENE	15.126	91	1704942	18.74 PPBV	93
56) m,p-XYLENE	15.321	106	1267029	39.64 PPBV #	82
57) o-XYLENE	15.818	106	634903	19.87 PPBV #	80
58) STYRENE	15.699	104	953134	38.49 PPBV	91
59) NONANE	16.020	43	1043077	13.00 PPBV	87
60) BROMOFORM	15.418	173	933067	22.82 PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.805	83	970265	12.96 PPBV	98
63) ISOPROPYLBENZENE	16.462	105	1839212	19.05 PPBV	91
64) 2-CHLOROTOLUENE	17.014	91	1425816	22.41 PPBV	86
65) 4-ETHYLTOLUENE	17.204	105	1722490	26.06 PPBV	95
66) 1,3,5-TRIMETHYLBENZENE	17.287	105	1487876	19.63 PPBV	91
67) 1,2,4-TRIMETHYLBENZENE	17.752	105	1399636	24.51 PPBV	93
68) m-DICHLOROBENZENE	17.933	146	869957	40.44 PPBV	94
69) BENZYL CHLORIDE	17.912	91	978143	50.99 PPBV	87
70) p-DICHLOROBENZENE	18.009	146	837164	56.63 PPBV	98
71) o-DICHLOROBENZENE	18.398	146	799358	34.96 PPBV	94
72) HEXACHLOROBUTADIENE	20.789	225	354879	13.71 PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.299	180	228676	97.16 PPBV	90

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4371.D
Acq On : 23 Aug 2007 12:48 pm
Operator : danat
Sample : ic231-20 (M053)
Misc : MS14080, MSQ231,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 23 13:14:56 2007
Quant Method : C:\msdchem\1\METHODS\Q082307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 23 10:30:47 2007
Response via : Initial Calibration



ACCUTEST Laboratories M66993

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4372.D
Acq On : 23 Aug 2007 1:30 pm
Operator : danat
Sample : icc231-10 (M053)
Misc : MS14080, MSQ231,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 23 14:35:45 2007
Quant Method : C:\msdchem\1\METHODS\Q082307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 23 10:30:47 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.626	128	227379	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.456	114	1095216	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.700	117	889920	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.316	95	278603	4.71	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 94.20%

Target Compounds							Qvalue
2) DICHLORODIFLUOROMETHANE	4.033	85	679144	5.82	PPBV		94
3) PROPYLENE	3.964	41	162747	6.95	PPBV		91
4) FREON 114	4.296	85	615377	5.52	PPBV		86
5) CHLOROMETHANE	4.200	50	171177	4.64	PPBV		100
6) VINYL CHLORIDE	4.424	62	202314	5.83	PPBV		99
7) 1,3-BUTADIENE	4.559	39	142682	3.75	PPBV	#	77
8) BROMOMETHANE	4.834	94	211669	6.43	PPBV		98
9) CHLOROETHANE	5.008	64	87225	5.20	PPBV		88
10) TRICHLOROFLUOROMETHANE	5.785	101	597865	5.16	PPBV		98
11) ISOPROPYL ALCOHOL	5.822	45	272342	4.24	PPBV		86
12) ACETONE	5.595	43	224522	2.67	PPBV		85
13) PENTANE	6.145	42	183385	3.59	PPBV		91
14) 1,1-DICHLOROETHYLENE	6.420	96	198621	6.23	PPBV	#	54
15) CARBON DISULFIDE	6.855	76	547871	4.56	PPBV		86
16) ETHANOL	5.095	45	62010	4.23	PPBV		94
17) BROMOETHENE	5.366	106	203717	7.46	PPBV	#	94
18) METHYLENE CHLORIDE	6.536	84	187062	2.97	PPBV		67
19) 3-CHLOROPROPENE	6.656	39	157236	3.58	PPBV	#	79
20) FREON 113	6.797	151	368458	6.51	PPBV	#	76
21) TRANS-1,2-DICHLOROETHY...	7.464	96	193024	6.08	PPBV	#	65
22) TERTIARY BUTYL ALCOHOL	6.429	59	345830	5.16	PPBV		78
23) METHYL TERTIARY BUTYL ...	7.705	73	380190	5.37	PPBV		84
24) TETRAHYDROFURAN	9.136	42	155983	6.25	PPBV		82
25) HEXANE	8.662	57	272948	4.97	PPBV	#	77
26) VINYL ACETATE	7.787	43	302176	4.76	PPBV		80
27) 1,1-DICHLOROETHANE	7.661	63	319408	3.75	PPBV		98
28) METHYL ETHYL KETONE	8.028	43	312465	5.51	PPBV		92
29) cis-1,2-DICHLOROETHYLENE	8.470	96	183289	8.48	PPBV	#	70
30) ETHYL ACETATE	8.662	43	481871	3.98	PPBV		99
31) CHLOROFORM	8.747	83	417606	4.71	PPBV		92
32) 1,1,1-TRICHLOROETHANE	9.704	97	399882	4.92	PPBV		90
33) CARBON TETRACHLORIDE	10.287	117	472667	5.29	PPBV		99
34) 1,2-DICHLOROETHANE	9.457	62	240110	4.46	PPBV		99
36) BENZENE	10.144	78	467698	6.37	PPBV		94
37) CYCLOHEXANE	10.412	84	232284	8.12	PPBV	#	81
38) TRICHLOROETHYLENE	11.139	95	246403	6.08	PPBV		84
39) 1,2-DICHLOROPROPANE	10.919	63	166329	5.47	PPBV		93
40) BROMODICHLOROMETHANE	11.099	83	405613	5.20	PPBV		96
41) 2,2,4-TRIMETHYLPENTANE	11.161	57	829559	5.47	PPBV		98
42) 1,4-DIOXANE	11.131	88	93894	7.27	PPBV		81
43) HEPTANE	11.402	43	315312	5.38	PPBV		85

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4372.D
Acq On : 23 Aug 2007 1:30 pm
Operator : danat
Sample : icc231-10 (M053)
Misc : MS14080, MSQ231,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 23 14:35:45 2007
Quant Method : C:\msdchem\1\METHODS\Q082307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 23 10:30:47 2007
Response via : Initial Calibration

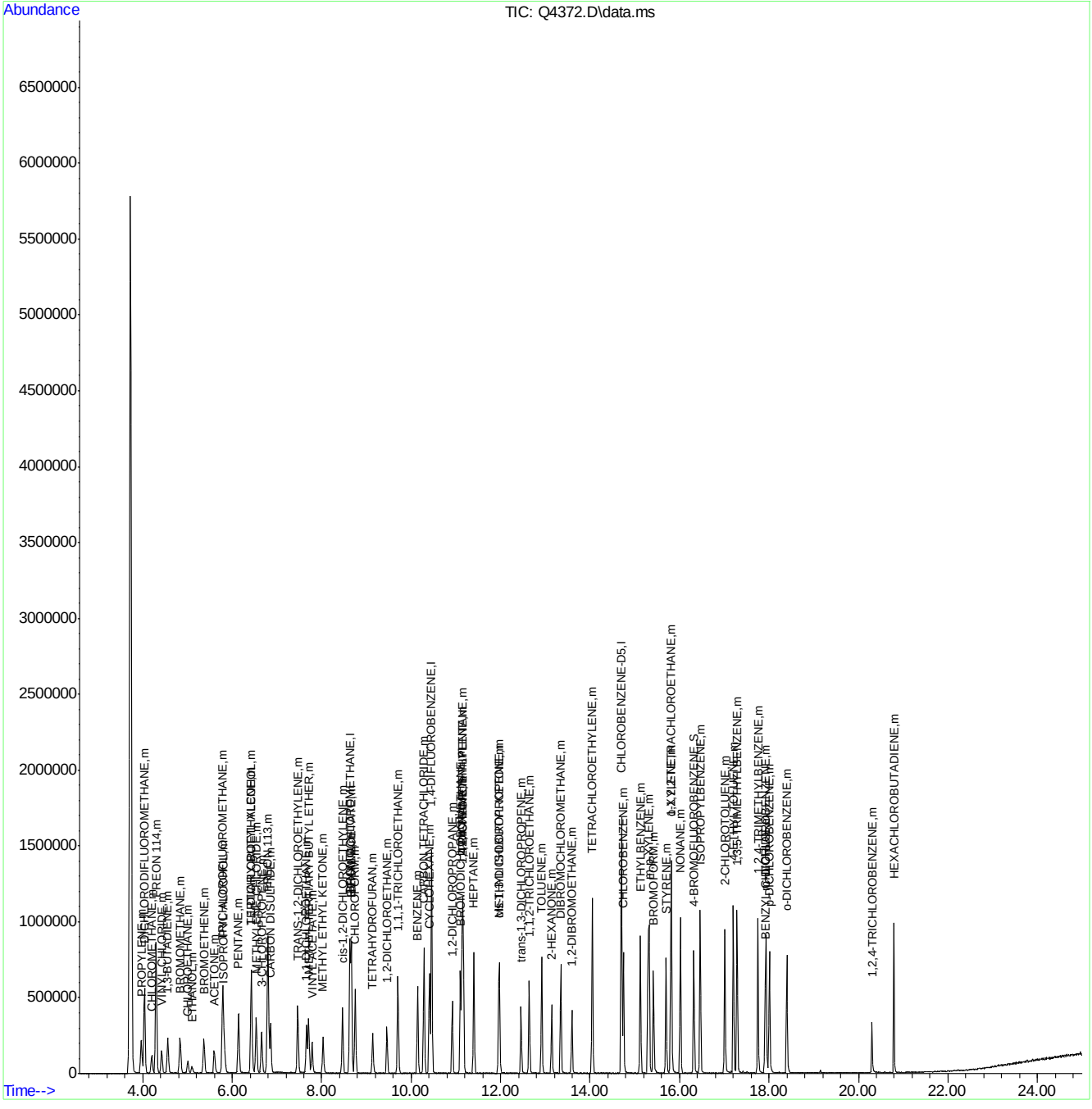
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.974	43	367014	5.58 PPBV	90
45) cis-1,3-DICHLOROPROPENE	11.956	75	239286	7.81 PPBV #	60
46) TOLUENE	12.918	92	298047	5.61 PPBV	96
47) trans-1,3-DICHLOROPROPENE	12.456	75	220769	11.04 PPBV #	76
48) 1,1,2-TRICHLOROETHANE	12.639	83	159115	5.75 PPBV	94
50) 2-HEXANONE	13.143	43	323414	7.06 PPBV	83
51) TETRACHLOROETHYLENE	14.048	164	238222	8.31 PPBV	89
52) DIBROMOCHLOROMETHANE	13.344	129	357829	6.68 PPBV	99
53) 1,2-DIBROMOETHANE	13.592	107	274204	8.51 PPBV	98
54) CHLOROBENZENE	14.744	112	386186	7.19 PPBV	87
55) ETHYLBENZENE	15.124	91	631856	7.53 PPBV	94
56) m,p-XYLENE	15.319	106	471965	16.02 PPBV #	82
57) o-XYLENE	15.814	106	234488	7.96 PPBV #	83
58) STYRENE	15.699	104	345637	15.14 PPBV	91
59) NONANE	16.018	43	383133	5.18 PPBV	89
60) BROMOFORM	15.417	173	311185	8.26 PPBV	98
62) 1,1,2,2-TETRACHLOROETHANE	15.805	83	376280	5.45 PPBV	98
63) ISOPROPYLBENZENE	16.462	105	702941	7.90 PPBV	92
64) 2-CHLOROTOLUENE	17.012	91	527762	9.00 PPBV	87
65) 4-ETHYLTOLUENE	17.202	105	652985	10.72 PPBV	96
66) 1,3,5-TRIMETHYLBENZENE	17.284	105	574018	8.22 PPBV	93
67) 1,2,4-TRIMETHYLBENZENE	17.752	105	533753	10.14 PPBV	93
68) m-DICHLOROBENZENE	17.935	146	321099	16.19 PPBV	94
69) BENZYL CHLORIDE	17.910	91	356220	20.14 PPBV	88
70) p-DICHLOROBENZENE	18.010	146	315617	23.16 PPBV	99
71) o-DICHLOROBENZENE	18.396	146	299418	14.20 PPBV	94
72) HEXACHLOROBUTADIENE	20.791	225	144108	6.04 PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.299	180	89052	41.05 PPBV	88

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4372.D
Acq On : 23 Aug 2007 1:30 pm
Operator : danat
Sample : icc231-10 (M053)
Misc : MS14080, MSQ231,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 23 14:35:45 2007
Quant Method : C:\msdchem\1\METHODS\Q082307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 23 10:30:47 2007
Response via : Initial Calibration



ACCUTEST Laboratories M66993

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4373.D
Acq On : 23 Aug 2007 2:12 pm
Operator : danat
Sample : ic231-5 (M053)
Misc : MS14080, MSQ231,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 23 14:38:39 2007
Quant Method : C:\msdchem\1\METHODS\Q082307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 23 14:37:01 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.628	128	215691	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.460	114	1037781	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.698	117	823713	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.320	95	249921	4.91	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 98.20%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.037	85	244666	3.20	PPBV	99
3) PROPYLENE	3.964	41	60678	3.23	PPBV	93
4) FREON 114	4.296	85	240920	3.43	PPBV	100
5) CHLOROMETHANE	4.196	50	66202	3.41	PPBV	98
6) VINYL CHLORIDE	4.420	62	77017	3.47	PPBV	98
7) 1,3-BUTADIENE	4.560	39	58906	3.35	PPBV	96
8) BROMOMETHANE	4.835	94	82635	3.47	PPBV	98
9) CHLOROETHANE	5.013	64	34144	3.55	PPBV	98
10) TRICHLOROFLUOROMETHANE	5.790	101	244833	3.73	PPBV	99
11) ISOPROPYL ALCOHOL	5.831	45	121244	3.82	PPBV	97
12) ACETONE	5.600	43	96854	3.35	PPBV	99
13) PENTANE	6.138	42	75468	3.52	PPBV	97
14) 1,1-DICHLOROETHYLENE	6.427	96	79974	3.54	PPBV	99
15) CARBON DISULFIDE	6.857	76	206612	3.69	PPBV	98
16) ETHANOL	5.102	45	27464	3.80	PPBV	99
17) BROMOETHENE	5.366	106	78812	3.41	PPBV	98
18) METHYLENE CHLORIDE	6.536	84	69459	2.33	PPBV	99
19) 3-CHLOROPROPENE	6.656	39	57391	3.07	PPBV	97
20) FREON 113	6.796	151	145870	3.22	PPBV	99
21) TRANS-1,2-DICHLOROETHY...	7.467	96	74154	3.44	PPBV	97
22) TERTIARY BUTYL ALCOHOL	6.427	59	152056	4.18	PPBV	97
23) METHYL TERTIARY BUTYL ...	7.709	73	160133	3.78	PPBV	98
24) TETRAHYDROFURAN	9.137	42	63871	3.64	PPBV	99
25) HEXANE	8.665	57	108169	3.02	PPBV	97
26) VINYL ACETATE	7.787	43	120391	3.41	PPBV	98
27) 1,1-DICHLOROETHANE	7.663	63	112938	3.24	PPBV	97
28) METHYL ETHYL KETONE	8.033	43	129648	3.64	PPBV	94
29) cis-1,2-DICHLOROETHYLENE	8.465	96	65540	3.17	PPBV	98
30) ETHYL ACETATE	8.662	43	200794	3.55	PPBV	100
31) CHLOROFORM	8.745	83	154563	3.38	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.704	97	148538	3.32	PPBV	99
33) CARBON TETRACHLORIDE	10.287	117	180089	3.60	PPBV	99
34) 1,2-DICHLOROETHANE	9.459	62	88601	3.32	PPBV	98
36) BENZENE	10.145	78	170870	2.97	PPBV	99
37) CYCLOHEXANE	10.410	84	92965	3.38	PPBV	94
38) TRICHLOROETHYLENE	11.141	95	94456	3.28	PPBV	96
39) 1,2-DICHLOROPROPANE	10.917	63	63938	3.10	PPBV	99
40) BROMODICHLOROMETHANE	11.100	83	147388	3.25	PPBV	98
41) 2,2,4-TRIMETHYLPENTANE	11.164	57	322003	3.33	PPBV	99
42) 1,4-DIOXANE	11.130	88	38156	3.54	PPBV	92
43) HEPTANE	11.400	43	122459	3.30	PPBV	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4373.D
Acq On : 23 Aug 2007 2:12 pm
Operator : danat
Sample : ic231-5 (M053)
Misc : MS14080, MSQ231,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 23 14:38:39 2007
Quant Method : C:\msdchem\1\METHODS\Q082307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 23 14:37:01 2007
Response via : Initial Calibration

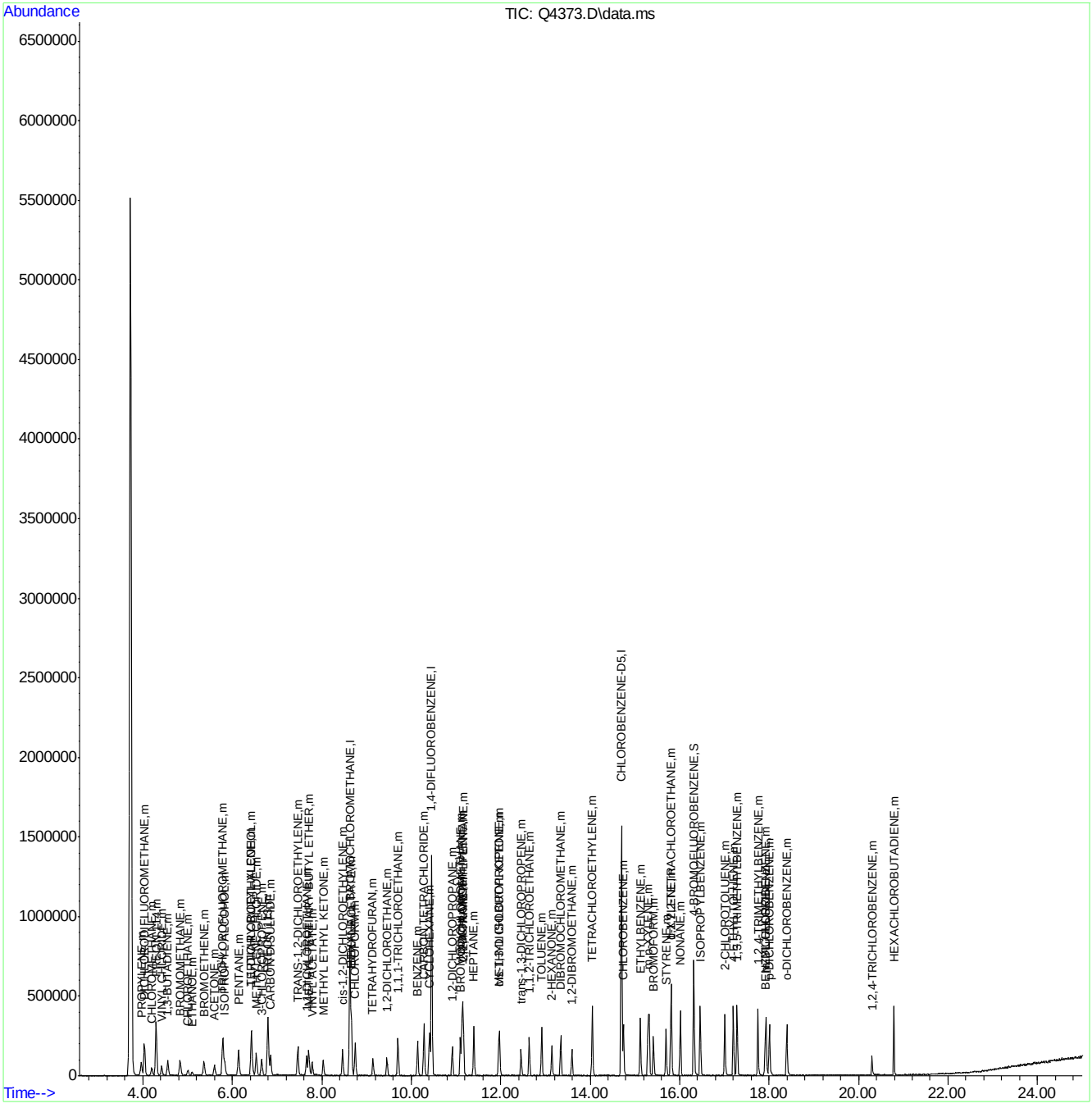
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.973	43	156820	3.86	PPBV	99
45) cis-1,3-DICHLOROPROPENE	11.959	75	89309	3.22	PPBV	96
46) TOLUENE	12.916	92	117815	2.80	PPBV	98
47) trans-1,3-DICHLOROPROPENE	12.456	75	82934	3.29	PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.641	83	61308	3.23	PPBV	98
50) 2-HEXANONE	13.141	43	137538	3.88	PPBV	98
51) TETRACHLOROETHYLENE	14.050	164	89704	3.06	PPBV	98
52) DIBROMOCHLOROMETHANE	13.345	129	127484	3.23	PPBV	100
53) 1,2-DIBROMOETHANE	13.594	107	104491	3.31	PPBV	98
54) CHLOROBENZENE	14.746	112	155025	3.26	PPBV	98
55) ETHYLBENZENE	15.124	91	252135	3.39	PPBV	99
56) m,p-XYLENE	15.294	106	186329	6.71	PPBV	99
57) o-XYLENE	15.818	106	93212	3.41	PPBV	99
58) STYRENE	15.699	104	134816	3.47	PPBV	98
59) NONANE	16.016	43	155371	3.59	PPBV	99
60) BROMOFORM	15.415	173	111019	3.25	PPBV	100
62) 1,1,2,2-TETRACHLOROETHANE	15.805	83	150500	3.72	PPBV	99
63) ISOPROPYLBENZENE	16.462	105	280100	3.52	PPBV	99
64) 2-CHLOROTOLUENE	17.010	91	209043	3.54	PPBV	99
65) 4-ETHYLTOLUENE	17.204	105	256633	3.63	PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.285	105	233258	3.65	PPBV	98
67) 1,2,4-TRIMETHYLBENZENE	17.750	105	214711	3.71	PPBV	98
68) m-DICHLOROBENZENE	17.931	146	128343	3.55	PPBV	99
69) BENZYL CHLORIDE	17.912	91	138209	3.91	PPBV	98
70) p-DICHLOROBENZENE	18.006	146	128362	3.83	PPBV	98
71) o-DICHLOROBENZENE	18.398	146	122754	3.65	PPBV	99
72) HEXACHLOROBUTADIENE	20.792	225	62981	2.75	PPBV	98
73) 1,2,4-TRICHLOROBENZENE	20.304	180	35675	3.49	PPBV	94

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4373.D
Acq On : 23 Aug 2007 2:12 pm
Operator : danat
Sample : ic231-5 (M053)
Misc : MS14080, MSQ231,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 23 14:38:39 2007
Quant Method : C:\msdchem\1\METHODS\Q082307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 23 14:37:01 2007
Response via : Initial Calibration



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Q4374.D

Manual Integrations APPROVED (compounds with "m" flag)

Philip Bassignani 08/29/07 09:03

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4374.D
Acq On : 23 Aug 2007 2:54 pm
Operator : danat
Sample : ic231-2 (M053)
Misc : MS14080, MSQ231,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 23 15:21:47 2007
Quant Method : C:\msdchem\1\METHODS\Q082307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 23 14:38:51 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.630	128	189363	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.454	114	932699	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.698	117	733710m	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.318	95	211267	4.68	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 93.60%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.037	85	120674	1.91	PPBV	99
3) PROPYLENE	3.967	41	30255	1.95	PPBV	91
4) FREON 114	4.298	85	119057	2.04	PPBV	97
5) CHLOROMETHANE	4.202	50	33348	2.06	PPBV	100
6) VINYL CHLORIDE	4.425	62	37790	2.05	PPBV	96
7) 1,3-BUTADIENE	4.551	39	30125	2.06	PPBV	93
8) BROMOMETHANE	4.837	94	40791	2.05	PPBV	98
9) CHLOROETHANE	5.008	64	16018	1.99	PPBV	98
10) TRICHLOROFLUOROMETHANE	5.785	101	113820	2.06	PPBV	100
11) ISOPROPYL ALCOHOL	5.833	45	56973	2.13	PPBV	96
12) ACETONE	5.600	43	45808	1.91	PPBV	99
13) PENTANE	6.142	42	36370	2.03	PPBV	97
14) 1,1-DICHLOROETHYLENE	6.418	96	37965	2.01	PPBV	99
15) CARBON DISULFIDE	6.855	76	94756	2.02	PPBV	98
16) ETHANOL	5.096	45	13140	2.17	PPBV	97
17) BROMOETHENE	5.361	106	37663	1.96	PPBV	99
18) METHYLENE CHLORIDE	6.532	84	33425	1.40	PPBV	98
19) 3-CHLOROPROPENE	6.654	39	27099	1.76	PPBV	98
20) FREON 113	6.796	151	64760	1.73	PPBV	95
21) TRANS-1,2-DICHLOROETHY...	7.466	96	33058	1.84	PPBV	97
22) TERTIARY BUTYL ALCOHOL	6.434	59	71096	2.29	PPBV	93
23) METHYL TERTIARY BUTYL ...	7.710	73	72895	2.04	PPBV	92
24) TETRAHYDROFURAN	9.145	42	29399	2.00	PPBV	95
25) HEXANE	8.662	57	50936	1.73	PPBV	97
26) VINYL ACETATE	7.785	43	53954	1.84	PPBV	98
27) 1,1-DICHLOROETHANE	7.666	63	52756	1.83	PPBV	99
28) METHYL ETHYL KETONE	8.034	43	58978	1.98	PPBV	91
29) cis-1,2-DICHLOROETHYLENE	8.465	96	29762	1.75	PPBV	99
30) ETHYL ACETATE	8.664	43	90946	1.92	PPBV #	98
31) CHLOROFORM	8.749	83	69114	1.82	PPBV	98
32) 1,1,1-TRICHLOROETHANE	9.705	97	67299	1.82	PPBV	99
33) CARBON TETRACHLORIDE	10.286	117	80966	1.94	PPBV	100
34) 1,2-DICHLOROETHANE	9.455	62	43152	1.95	PPBV	99
36) BENZENE	10.145	78	77229	1.60	PPBV	98
37) CYCLOHEXANE	10.408	84	43121	1.84	PPBV	95
38) TRICHLOROETHYLENE	11.139	95	41975	1.72	PPBV	97
39) 1,2-DICHLOROPROPANE	10.914	63	30087	1.73	PPBV	98
40) BROMODICHLOROMETHANE	11.102	83	65867	1.72	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.168	57	142049	1.73	PPBV	99
42) 1,4-DIOXANE	11.139	88	17609	1.91	PPBV #	49
43) HEPTANE	11.398	43	55553	1.77	PPBV	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4374.D
Acq On : 23 Aug 2007 2:54 pm
Operator : danat
Sample : ic231-2 (M053)
Misc : MS14080, MSQ231,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 23 15:21:47 2007
Quant Method : C:\msdchem\1\METHODS\Q082307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 23 14:38:51 2007
Response via : Initial Calibration

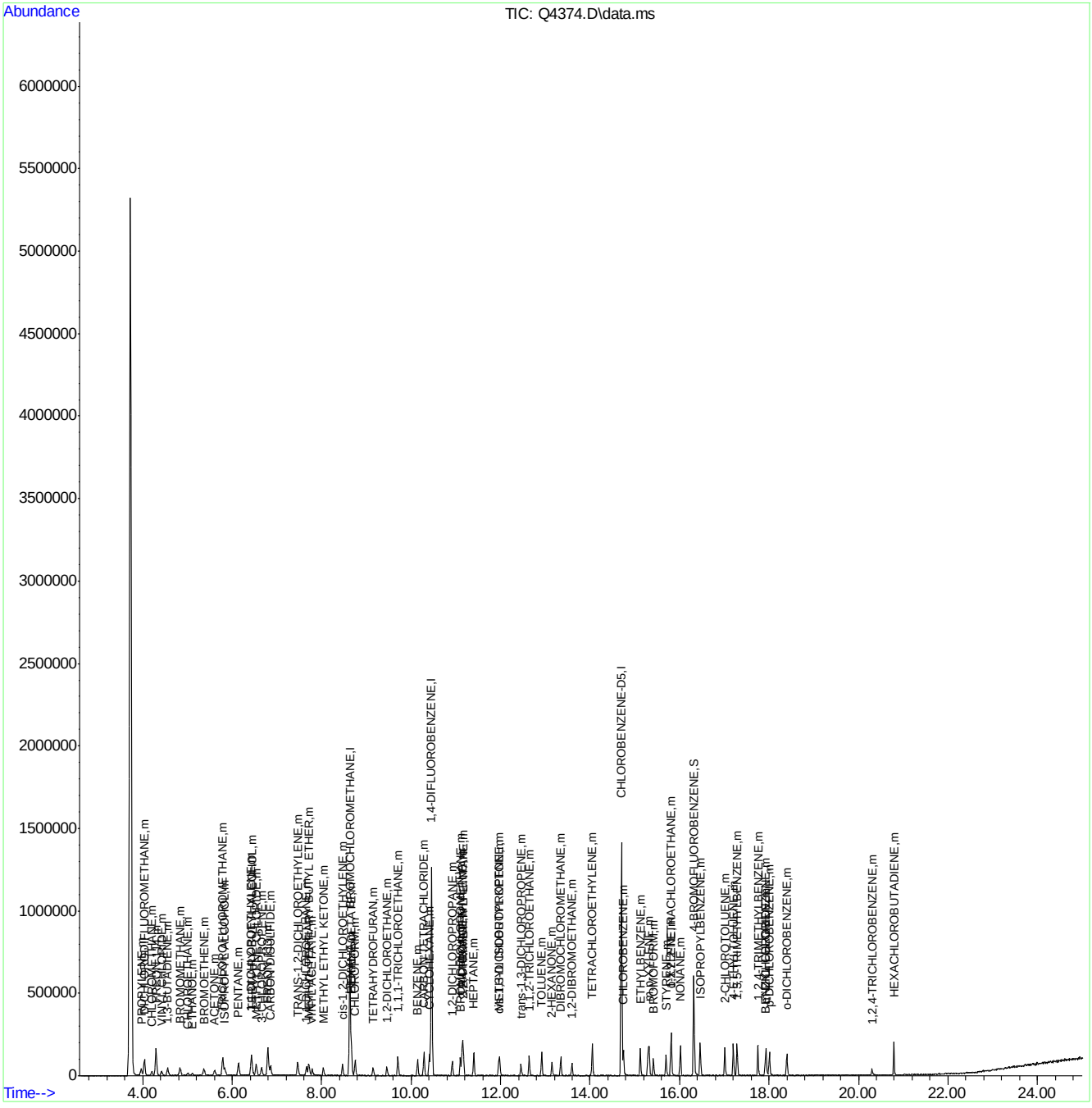
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.977	43	70221	2.00	PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.956	75	41160	1.75	PPBV	93
46) TOLUENE	12.914	92	53660	1.53	PPBV	100
47) trans-1,3-DICHLOROPROPENE	12.458	75	37459	1.75	PPBV	97
48) 1,1,2-TRICHLOROETHANE	12.635	83	29486	1.84	PPBV	99
50) 2-HEXANONE	13.147	43	61642	2.03	PPBV	96
51) TETRACHLOROETHYLENE	14.045	164	39937	1.64	PPBV	98
52) DIBROMOCHLOROMETHANE	13.344	129	56501	1.71	PPBV	98
53) 1,2-DIBROMOETHANE	13.594	107	48053	1.81	PPBV	98
54) CHLOROBENZENE	14.742	112	69257	1.73	PPBV	98
55) ETHYLBENZENE	15.125	91	112109	1.79	PPBV	100
56) m,p-XYLENE	15.315	106	82893	3.55	PPBV	97
57) o-XYLENE	15.818	106	41770	1.81	PPBV	100
58) STYRENE	15.702	104	57693	1.76	PPBV	97
59) NONANE	16.016	43	70276	1.91	PPBV	99
60) BROMOFORM	15.415	173	46714	1.63	PPBV	97
62) 1,1,2,2-TETRACHLOROETHANE	15.807	83	66343	1.92	PPBV	99
63) ISOPROPYLBENZENE	16.460	105	123449	1.83	PPBV	100
64) 2-CHLOROTOLUENE	17.014	91	95327	1.90	PPBV	96
65) 4-ETHYLTOLUENE	17.202	105	113480	1.89	PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.284	105	102346	1.88	PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.749	105	92723	1.88	PPBV	99
68) m-DICHLOROBENZENE	17.933	146	55105	1.80	PPBV	98
69) BENZYL CHLORIDE	17.912	91	54965	1.81	PPBV	97
70) p-DICHLOROBENZENE	18.008	146	57929	2.02	PPBV	95
71) o-DICHLOROBENZENE	18.396	146	53800	1.88	PPBV	99
72) HEXACHLOROBUTADIENE	20.794	225	28182	1.49	PPBV	98
73) 1,2,4-TRICHLOROBENZENE	20.306	180	11606	1.34	PPBV	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4374.D
Acq On : 23 Aug 2007 2:54 pm
Operator : danat
Sample : ic231-2 (M053)
Misc : MS14080, MSQ231,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 23 15:21:47 2007
Quant Method : C:\msdchem\1\METHODS\Q082307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 23 14:38:51 2007
Response via : Initial Calibration

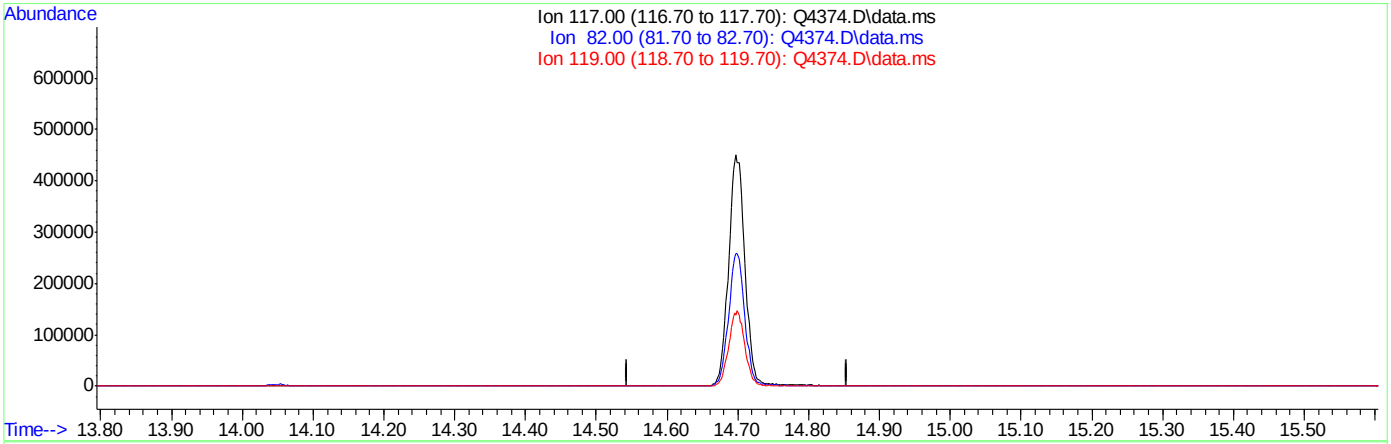


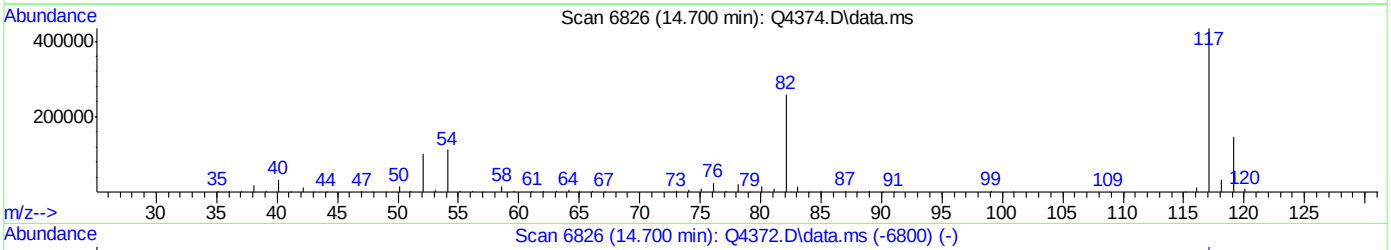
ACCUTEST Laboratories M66993

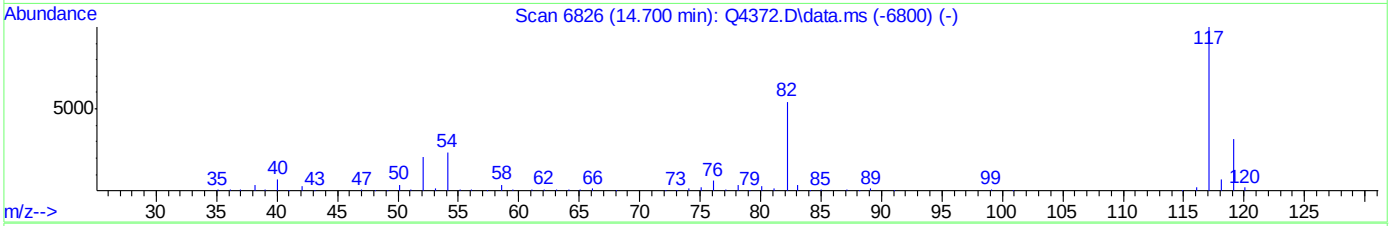
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4374.D
Acq On : 23 Aug 2007 2:54 pm
Operator : danat
Sample : ic231-2 (M053)
Misc : MS14080, MSQ231,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 23 15:21:07 2007
Quant Method : C:\msdchem\1\METHODS\Q082307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 23 14:38:51 2007
Response via : Initial Calibration







TIC: Q4374.D\data.ms

(49) CHLOROBENZENE-D5 (I)

14.700min (-14.700) 0.00PPBV

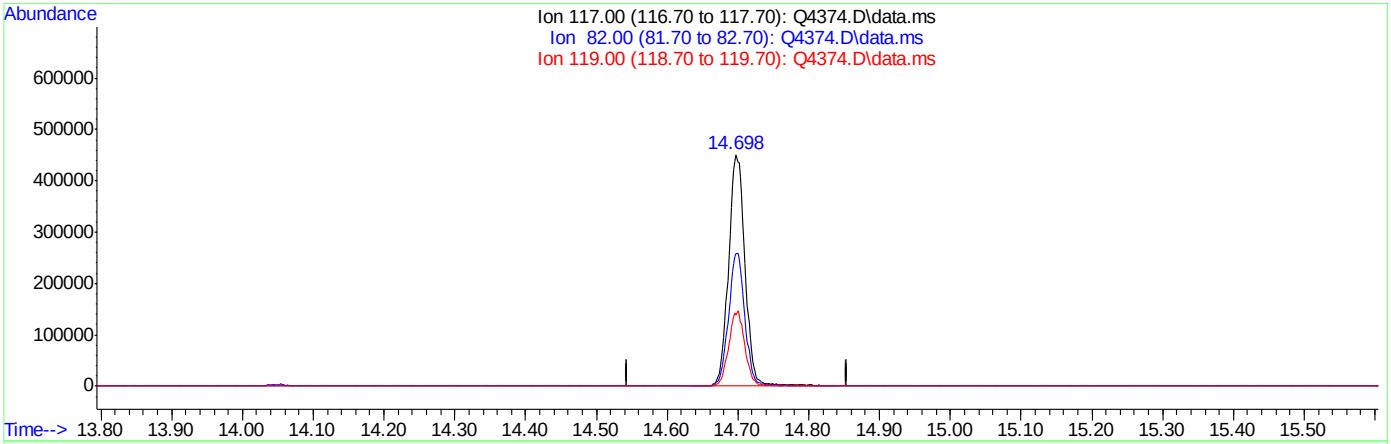
response 0

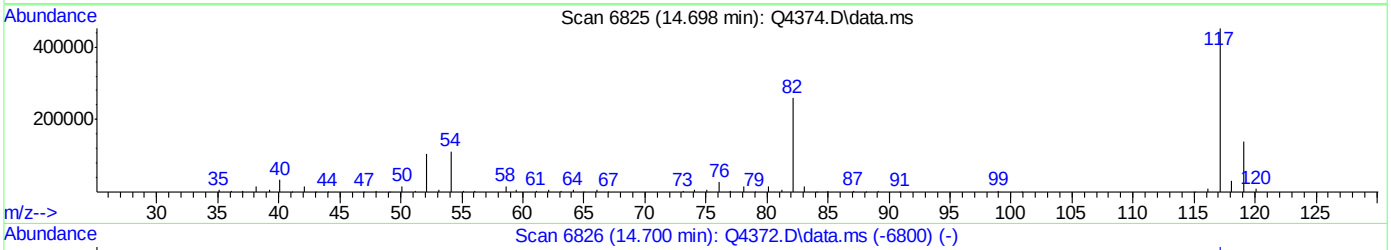
Ion	Exp%	Act%
117.00	100	0.00
82.00	55.40	0.00#
119.00	31.90	0.00#
0.00	0.00	0.00

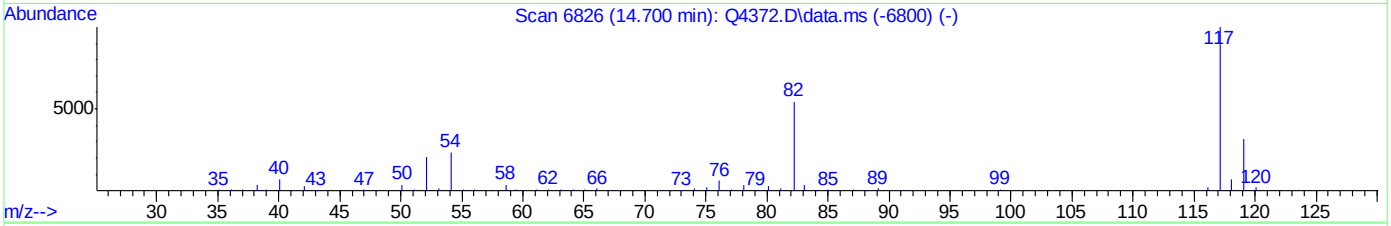
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4374.D
Acq On : 23 Aug 2007 2:54 pm
Operator : danat
Sample : ic231-2 (M053)
Misc : MS14080, MSQ231,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 23 15:21:07 2007
Quant Method : C:\msdchem\1\METHODS\Q082307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 23 14:38:51 2007
Response via : Initial Calibration







TIC: Q4374.D\data.ms

(49) CHLOROBENZENE-D5 (I)

14.698min (-0.002) 10.00PPBV m

response 733710

Ion	Exp%	Act%
117.00	100	100
82.00	55.40	0.00#
119.00	31.90	0.00#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4375a.D
Acq On : 23 Aug 2007 3:45 pm
Operator : danat
Sample : cc231-10 (M055)
Misc : MS14080, MSQ231,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 24 15:53:30 2007
Quant Method : C:\msdchem\1\METHODS\Q082307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 23 15:24:05 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.628	128	175648	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.458	114	851887	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.699	117	662417	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.320	95	212097	5.25	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 105.00%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.035	85	795336	13.68	PPBV	100
3) PROPYLENE	3.962	41	184999	12.90	PPBV	98
4) FREON 114	4.298	85	646607	11.90	PPBV	98
5) CHLOROMETHANE	4.200	50	191209	12.70	PPBV	96
6) VINYL CHLORIDE	4.422	62	212277	12.35	PPBV	99
7) 1,3-BUTADIENE	4.555	39	158669	11.66	PPBV	97
8) BROMOMETHANE	4.835	94	211775	11.46	PPBV	99
9) CHLOROETHANE	5.009	64	91900	12.33	PPBV	97
10) TRICHLOROFLUOROMETHANE	5.788	101	615468	11.97	PPBV	100
11) ISOPROPYL ALCOHOL	5.820	45	262905	10.48	PPBV	92
12) ACETONE	5.593	43	210978	9.55	PPBV	99
13) PENTANE	6.140	42	180111	10.83	PPBV	97
14) 1,1-DICHLOROETHYLENE	6.426	96	193269	11.04	PPBV	96
15) CARBON DISULFIDE	6.857	76	540347	12.39	PPBV	98
16) ETHANOL	5.091	45	56991	10.02	PPBV	99
17) BROMOETHENE	5.362	106	197010	11.09	PPBV	99
18) METHYLENE CHLORIDE	6.537	84	168795	12.11	PPBV	96
19) 3-CHLOROPROPENE	6.656	39	165888	11.83	PPBV	97
20) FREON 113	6.796	151	359213	10.56	PPBV	98
21) TRANS-1,2-DICHLOROETHY...	7.464	96	185259	11.26	PPBV	95
22) TERTIARY BUTYL ALCOHOL	6.427	59	341775	11.62	PPBV	98
23) METHYL TERTIARY BUTYL ...	7.707	73	360683	10.85	PPBV	98
24) TETRAHYDROFURAN	9.141	42	147780	10.82	PPBV	97
25) HEXANE	8.663	57	254236	12.29	PPBV	95
26) VINYL ACETATE	7.785	43	291688	10.83	PPBV	99
27) 1,1-DICHLOROETHANE	7.661	63	331350	12.56	PPBV	99
28) METHYL ETHYL KETONE	8.026	43	293448	10.62	PPBV	98
29) cis-1,2-DICHLOROETHYLENE	8.466	96	173234	11.17	PPBV	94
30) ETHYL ACETATE	8.662	43	467447	10.72	PPBV	100
31) CHLOROFORM	8.749	83	424570	12.22	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.704	97	414720	12.23	PPBV	99
33) CARBON TETRACHLORIDE	10.287	117	473566	12.26	PPBV	100
34) 1,2-DICHLOROETHANE	9.455	62	249775	12.20	PPBV	100
36) BENZENE	10.144	78	475680	11.12	PPBV	99
37) CYCLOHEXANE	10.410	84	217480	10.29	PPBV	99
38) TRICHLOROETHYLENE	11.139	95	245764	11.26	PPBV	97
39) 1,2-DICHLOROPROPANE	10.917	63	170047	10.94	PPBV	100
40) BROMODICHLOROMETHANE	11.100	83	428463	12.49	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.162	57	857533	11.67	PPBV	100
42) 1,4-DIOXANE	11.130	88	83569	9.99	PPBV	94
43) HEPTANE	11.402	43	332199	11.77	PPBV	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4375a.D
Acq On : 23 Aug 2007 3:45 pm
Operator : danat
Sample : cc231-10 (M055)
Misc : MS14080, MSQ231,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 24 15:53:30 2007
Quant Method : C:\msdchem\1\METHODS\Q082307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 23 15:24:05 2007
Response via : Initial Calibration

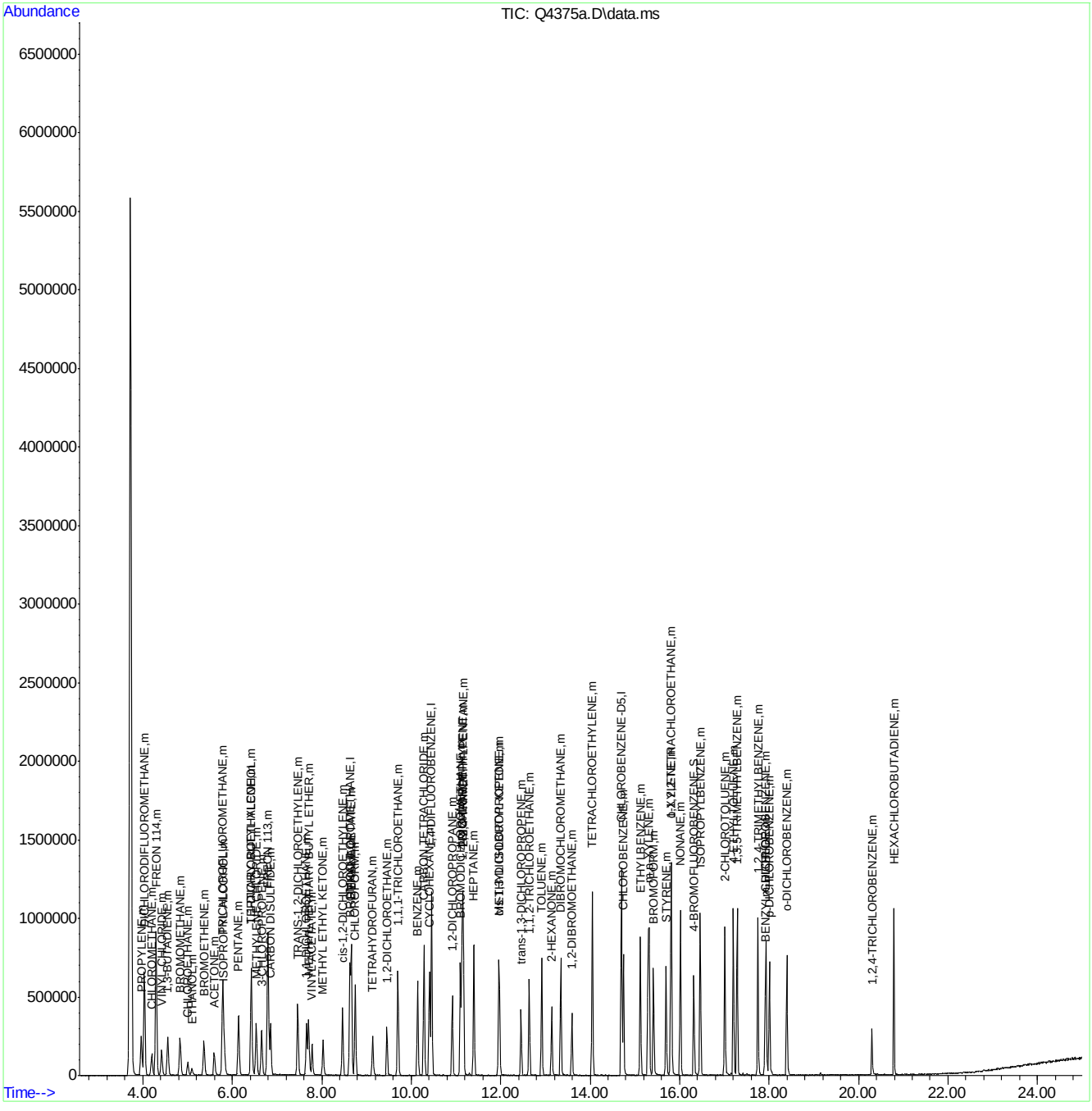
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.970	43	362519	11.30 PPBV	99
45) cis-1,3-DICHLOROPROPENE	11.957	75	233207	11.07 PPBV	97
46) TOLUENE	12.919	92	280577	9.07 PPBV	100
47) trans-1,3-DICHLOROPROPENE	12.458	75	203800	11.56 PPBV	96
48) 1,1,2-TRICHLOROETHANE	12.639	83	157971	10.90 PPBV	98
50) 2-HEXANONE	13.139	43	312045	11.35 PPBV	97
51) TETRACHLOROETHYLENE	14.050	164	235802	10.99 PPBV	100
52) DIBROMOCHLOROMETHANE	13.344	129	365412	12.52 PPBV	100
53) 1,2-DIBROMOETHANE	13.594	107	252500	10.69 PPBV	99
54) CHLOROBENZENE	14.744	112	370081	10.46 PPBV	97
55) ETHYLBENZENE	15.124	91	601618	10.78 PPBV	99
56) m,p-XYLENE	15.319	106	435426	20.97 PPBV	92
57) o-XYLENE	15.818	106	226278	11.01 PPBV	99
58) STYRENE	15.700	104	322143	11.96 PPBV	98
59) NONANE	16.020	43	402649	12.22 PPBV	99
60) BROMOFORM	15.415	173	308410	12.12 PPBV	100
62) 1,1,2,2-TETRACHLOROETHANE	15.803	83	369916	11.94 PPBV	99
63) ISOPROPYLBENZENE	16.462	105	672080	11.19 PPBV	99
64) 2-CHLOROTOLUENE	17.012	91	519177	11.56 PPBV	99
65) 4-ETHYLTOLUENE	17.202	105	621445	11.54 PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.287	105	553298	11.38 PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.750	105	514400	11.65 PPBV	99
68) m-DICHLOROBENZENE	17.935	146	288141	11.83 PPBV	99
69) BENZYL CHLORIDE	17.912	91	311895	11.48 PPBV	99
70) p-DICHLOROBENZENE	18.009	146	272678	11.55 PPBV	99
71) o-DICHLOROBENZENE	18.396	146	282072	11.02 PPBV	100
72) HEXACHLOROBUTADIENE	20.792	225	155693	14.08 PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.299	180	81034	12.35 PPBV	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4375a.D
Acq On : 23 Aug 2007 3:45 pm
Operator : danat
Sample : cc231-10 (M055)
Misc : MS14080, MSQ231,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 24 15:53:30 2007
Quant Method : C:\msdchem\1\METHODS\Q082307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 23 15:24:05 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4375.D
Acq On : 23 Aug 2007 3:45 pm
Operator : danat
Sample : icv231-10 (M055)
Misc : MS14080, MSQ231,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 24 15:49:15 2007
Quant Method : C:\msdchem\1\METHODS\Q082307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 23 15:24:05 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.628	128	175648	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.458	114	851887	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.699	117	662417	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.320	95	212097	5.25	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 105.00%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.035	85	795336	13.68	PPBV	100
3) PROPYLENE	3.962	41	184999	12.90	PPBV	98
4) FREON 114	4.298	85	646607	11.90	PPBV	98
5) CHLOROMETHANE	4.200	50	191209	12.70	PPBV	96
6) VINYL CHLORIDE	4.422	62	212277	12.35	PPBV	99
7) 1,3-BUTADIENE	4.555	39	158669	11.66	PPBV	97
8) BROMOMETHANE	4.835	94	211775	11.46	PPBV	99
9) CHLOROETHANE	5.009	64	91900	12.33	PPBV	97
10) TRICHLOROFLUOROMETHANE	5.788	101	615468	11.97	PPBV	100
11) ISOPROPYL ALCOHOL	5.820	45	262905	10.48	PPBV	92
12) ACETONE	5.593	43	210978	9.55	PPBV	99
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16) ETHANOL	5.091	45	56991	10.02	PPBV	99
17) BROMOETHENE	5.362	106	197010	11.09	PPBV	99
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19) 3-CHLOROPROPENE	6.656	39	165888	11.83	PPBV	97
20) FREON 113	6.796	151	359213	10.56	PPBV	98
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30) ETHYL ACETATE	8.662	43	467447	10.72	PPBV	100
31) CHLOROFORM	8.749	83	424570	12.22	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.704	97	414720	12.23	PPBV	99
33) CARBON TETRACHLORIDE	10.287	117	473566	12.26	PPBV	100
34) 1,2-DICHLOROETHANE	9.455	62	249775	12.20	PPBV	100
36) BENZENE	10.144	78	475680	11.12	PPBV	99
37) CYCLOHEXANE	10.410	84	217480	10.29	PPBV	99
38) TRICHLOROETHYLENE	11.139	95	245764	11.26	PPBV	97
39) 1,2-DICHLOROPROPANE	10.917	63	170047	10.94	PPBV	100
40) BROMODICHLOROMETHANE	11.100	83	428463	12.49	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.162	57	857533	11.67	PPBV	100
42) 1,4-DIOXANE	11.130	88	83569	9.99	PPBV	94
43) HEPTANE	11.402	43	332199	11.77	PPBV	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4375.D
Acq On : 23 Aug 2007 3:45 pm
Operator : danat
Sample : icv231-10 (M055)
Misc : MS14080, MSQ231,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 24 15:49:15 2007
Quant Method : C:\msdchem\1\METHODS\Q082307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
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Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
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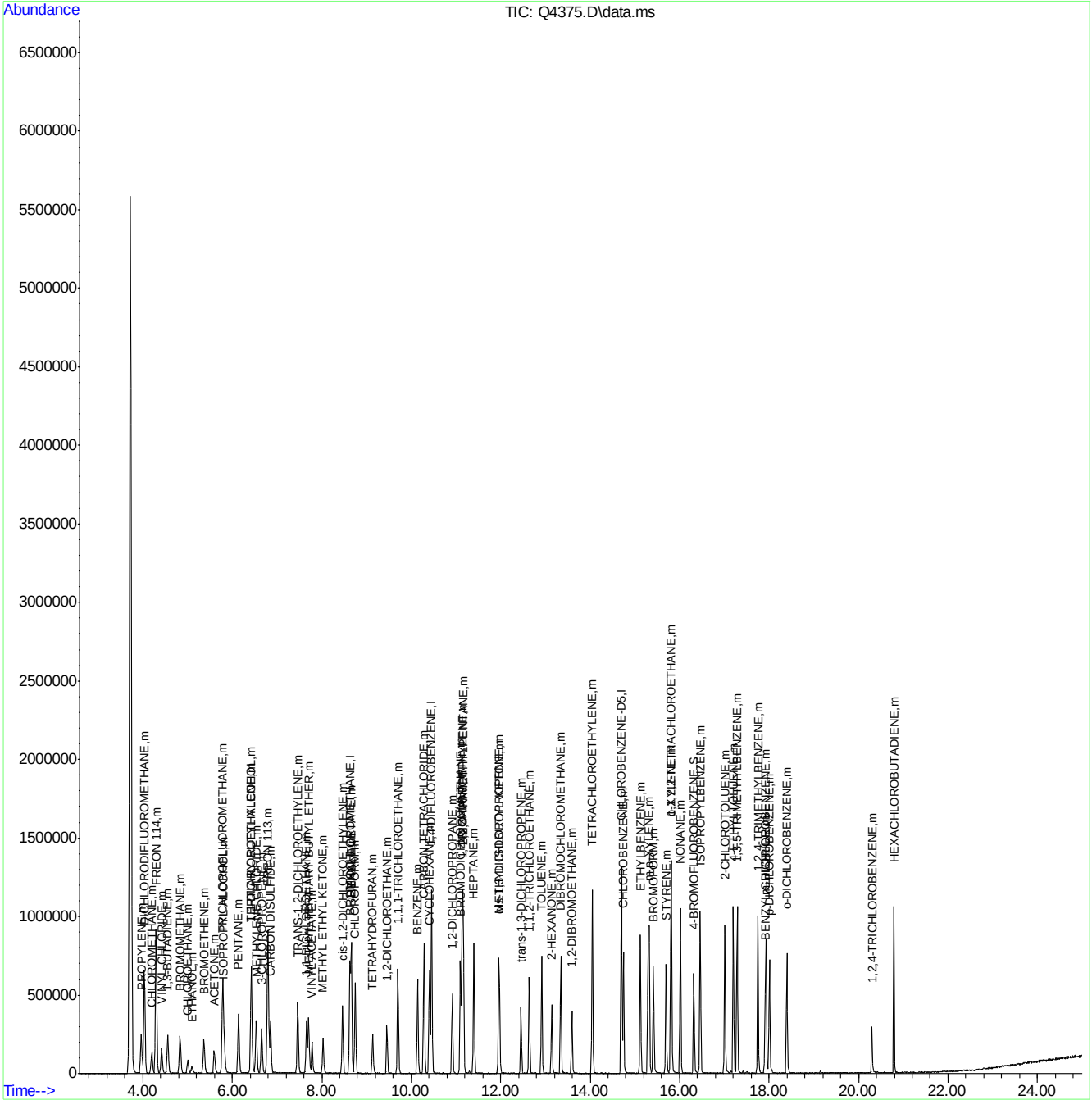
45) cis-1,3-DICHLOROPROPENE	11.957	75	233207	11.07 PPBV	97
46) TOLUENE	12.919	92	280577	9.07 PPBV	100
47) trans-1,3-DICHLOROPROPENE	12.458	75	203800	11.56 PPBV	96
48) 1,1,2-TRICHLOROETHANE	12.639	83	157971	10.90 PPBV	98
50) 2-HEXANONE	13.139	43	312045	11.35 PPBV	97
51) TETRACHLOROETHYLENE	14.050	164	235802	10.99 PPBV	100
52) DIBROMOCHLOROMETHANE	13.344	129	365412	12.52 PPBV	100
53) 1,2-DIBROMOETHANE	13.594	107	252500	10.69 PPBV	99
54) CHLOROBENZENE	14.744	112	370081	10.46 PPBV	97
55) ETHYLBENZENE	15.124	91	601618	10.78 PPBV	99
56) m,p-XYLENE	15.319	106	435426	20.97 PPBV	92
57) o-XYLENE	15.818	106	226278	11.01 PPBV	99
58) STYRENE	15.700	104	322143	11.96 PPBV	98
59) NONANE	16.020	43	402649	12.22 PPBV	99
60) BROMOFORM	15.415	173	308410	12.12 PPBV	100
62) 1,1,2,2-TETRACHLOROETHANE	15.803	83	369916	11.94 PPBV	99
63) ISOPROPYLBENZENE	16.462	105	672080	11.19 PPBV	99
64) 2-CHLOROTOLUENE	17.012	91	519177	11.56 PPBV	99
65) 4-ETHYLTOLUENE	17.202	105	621445	11.54 PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.287	105	553298	11.38 PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.750	105	514400	11.65 PPBV	99
68) m-DICHLOROBENZENE	17.935	146	288141	11.83 PPBV	99
69) BENZYL CHLORIDE	17.912	91	311895	11.48 PPBV	99
70) p-DICHLOROBENZENE	18.009	146	272678	11.55 PPBV	99
71) o-DICHLOROBENZENE	18.396	146	282072	11.02 PPBV	100
72) HEXACHLOROBUTADIENE	20.792	225	155693	14.08 PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.299	180	81034	12.35 PPBV	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4375.D
Acq On : 23 Aug 2007 3:45 pm
Operator : danat
Sample : icv231-10 (M055)
Misc : MS14080, MSQ231,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 24 15:49:15 2007
Quant Method : C:\msdchem\1\METHODS\Q082307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 23 15:24:05 2007
Response via : Initial Calibration



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

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

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

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

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

Standard Lot #	
Calib STD 1	MSA371
Calib STD 2	MSA372
ICV	MSA375
Inter/Surr STD	MSA218
BS/BSD	MSA375

File ID	
Tune File 1	Q3977
Tune File 2	Q3984
Initial Cal.	7/16/07
ID FILE	Q071607T.M
Instrument ID	Q
ICAL:	Q3984
Column Type:	RTX-1
Sequence Verified By:	DT 7/17/07

Date:	7/16/2007
Analyst:	DANAT
Batch ID:	MSQ214
Matrix:	AIR
Approved By:	PHILIPB
Date Approved:	7/19/2007 9:55:34 AM

Data File	Sample ID	Bot #	Work Group #	Test	ALS #	Sample Vol (mls)	Diln Factor	Flow controller ID	Comment
Q3977	IC214-40	M211	MSA371	VTO15STD	2		1		
Q3978	IC214-20	M211	MSA371	VTO15STD	2		1		
Q3979	ICC214-10	M211	MSA371	VTO15STD	2		1		
Q3980	IC214-5	M211	MSA371	VTO15STD	2		1		
Q3981	IC214-2	M211	MSA371	VTO15STD	2		1		
Q3982	IC214-0.5	M210	MSA372	VTO15STD	1		1		
Q3983	IC214-0.2	M210	MSA372	VTO15STD	1		1		
Q3984	ICV214-10	M209	MSA375	VTO15STD	3		1		
Q3984A	CC214-10	M209	MSA375	VTO15STD	3		1		
Q3984B	BS	M209	MSA375	VTO15STD	3		1		
Q3985	BLANK	M063	NA	VTO15STD	4		1		
Q3986	MB	M063	NA	VTO15STD	4		1		
Q3986A	SCC	M063	NA	VTO15STD	4		1		
Q3987	FCB093	M195	NA	VTO15STD	5		1		
Q3988	FCB094	M175	NA	VTO15STD	6		1		
Q3989	FCB095	M205	NA	VTO15STD	7		1		
Q3990	SCC	M076	NA	VTO15STD	8		1		
Q3991	SCC	M081	NA	VTO15STD	9		1		
Q3992	SCC	M004	NA	VTO15STD	10		1		
Q3993	SCC	M088	NA	VTO15STD	11		1		
Q3994	SCC	M134	NA	VTO15STD	12		1		
Q3995	SCC	M053	NA	VTO15STD	13		1		
Q3996	SCC	M049	NA	VTO15STD	14		1		
Q3997	M66000-1R	M161	MS13951	VTO15STD	15		1		
Q3998	M66000-1RDUP	M161	MS13951	VTO15STD	15		1		
Q3999	M66190-6	M116	MS13951	VTO15STD	16		1		Re-run @ 20x , over calibration.
Q4000	M66190-7	M172	MS13951	VTO15STD	4		1		Re-run @ 5x , matrix interference. Do not report.
Q4001	M66190-8	M160	MS13951	VTO15STD	5		1		Re-run @ 20x , over calibration.

Accutest Laboratories of New England, Inc.

MS Analysis Log

Instrument: GCMS Q

BATCH DATA	
DATE	8/22/07
BATCH ID	MSQ231
ANALYST	TN

ALS DATA	
METHOD	QT015
NAMELIST	
QC FILE	Q082307

GC/MS DATA	
METHOD	Q082307T
SEQ	
ICAL	Q4375

STANDARD DATA		
LOT#	DESCRIPTION	CONC
MSA394	T015 Std	40 ppbV
MSA395	T015 Std	2 ppbV
MSA391	T015 LCS	40 ppbV
MSA390	Int Std/Surr	40 ppbV

Sequence Verified: TN 8/24/07

DATA FILE	SAMPLE ID	CANISTER SERIAL #	TEST	WORK GROUP	ALS	VOL SAMPLE	DIL FACT.	COMMENTS
Q4368	IC231-0.5	M050		MSA395	1	100		
Q4369	IC231-0.2	M050		↓	1	40		
Q4370	IC231-40	M053		MSA394	2	400		
Q4371	IC231-20	M053			2	200		
Q4372	IC231-10	M053			2	100		
Q4373	IC231-5	M053			2	50		
Q4374	IC231-2	M053		↓	2	20		
Q4375	IC231-10	M055		MSA391	3	100		
Q4376	CC231-10	M055			3	100		Dichlorodifluoromethane fails high Rerun samples with hits
Q4377	BS	M055		↓	3	100		
Q4376	blank	M040			*4	400		
Q4377	MB	M040			4	400		
Q4378	M66906-1 OF	M022	√T015 Std	M14127	5	400	1	
Q4379	M66906-3	M111	↓	↓	6	20	45	15 inch Hg received pressurized to 1.8 for 2.25X
Q4380	M66993-1	M145	√T015 GFI list	M14179	7	400	1	
Q4381	M66993-1dup	M145	↓	↓	7	400	1	
Q4382	M66993-2	M081	↓	↓	8	400	1	
Q4383	M66995-1	M114	√T015 Std	↓	9	650	1	9 inch Hg received pressurized to 2.0 for 1.63X RL — Dich. hit
Q4384	M67063-1	M191	√T015 Std	↓	10	20	20	
Q4385	M67063-2	M181	↓	↓	11	20	20	
Q4386	M67063-3	M204	↓	↓	12	20	20	RL Dich. hit
Q4387	M67112-1	M013	↓	↓	13	20	20	RL too dilute
Q4388	M66995-1	M114	↓	↓	9	20	32.6	
Q4389	M67112-1	M013	↓	↓	13	400	1	RL Dich. hit
Q4390	M66906-3	M188	↓	↓	6	100	450	
Q4391	SCC	M135			4	400	1	RL, possible carryover
Q4392	SCC	M196			14	400	1	Toluene hit, reclean bottle
Q4393	~~SCC~~ blank 8/23/07	M135			4	400	1	
Q4394	SCC	M135			4	400	1	
								AR FINAL

QA Review: AR 8/30/07

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MS004-02 (2/7/06)