New England ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

05/29/07

Technical Report for

GEI Consultants, Inc.

Indoor & Outdoor Air Samples Tufts St., Somerville MA

04516

Accutest Job Number: M64809

Sampling Date: 05/14/07

Report to:

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

ATTN: Raymond Siegener, Ph.D.

Total number of pages in report: **461**

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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

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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Sample Summary

GEI Consultants, Inc.

Job No: M64809

Indoor & Outdoor Air Samples Tufts St., Somerville MA
Project No: 04516

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
M64809-1	05/14/07	14:30	LJW	05/14/07	AIR	Air	04516-NP
M64809-2	05/14/07	14:32	LJW	05/14/07	AIR	Air	04516-NW
M64809-3	05/14/07	14:33	LJW	05/14/07	AIR	Air	04516-NO
M64809-4	05/14/07	14:34	LJW	05/14/07	AIR	Air	04516-SO
M64809-5	05/14/07	14:40	LJW	05/14/07	AIR	Air	04516-NC
M64809-6	05/14/07	14:41	LJW	05/14/07	AIR	Air	04516-SC
M64809-7	05/14/07	14:42	LJW	05/14/07	AIR	Air	04516-GA
M64809-8	05/14/07	14:39	LJW	05/14/07	AIR	Air	04516-SP
M64809-9	05/14/07	14:40	LJW	05/14/07	AIR	Air	04516-IA

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	GEI Consultants, Inc.	**Job No**	M64809
Site:	Indoor & Outdoor Air Samples Tufts St., Somerville MA	**Report Date**	5/29/2007 8:45:19 AM

9 Sample(s) were collected on 05/14/2007 and were received at Accutest on 05/14/2007. These Samples received an Accutest job number of M64809. 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:** MSJ537

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) M64809-9DUP 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(M64809).

Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Client Sample ID:	04516-NP		
Lab Sample ID:	M64809-1	**Date Sampled:**	05/14/07
Matrix:	AIR - Air Summa ID: M131	**Date Received:**	05/14/07
Method:	TO-15	**Percent Solids:**	n/a
Project:	Indoor & Outdoor Air Samples Tufts St., Somerville MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J10382.D	1	05/16/07	PB	n/a	n/a	MSJ537
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units
75-00-3	64.52	Chloroethane	ND	0.20	ppbv		ND	0.53	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	ppbv		ND	1.3	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	0.18	0.20	ppbv	J	0.98	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	1.1	0.20	ppbv		7.5	1.4	ug/m3
79-01-6	131.4	Trichloroethylene	0.12	0.20	ppbv	J	0.64	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	96%		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:	04516-NW		
Lab Sample ID:	M64809-2	**Date Sampled:**	05/14/07
Matrix:	AIR - Air Summa ID: M073	**Date Received:**	05/14/07
Method:	TO-15	**Percent Solids:**	n/a
Project:	Indoor & Outdoor Air Samples Tufts St., Somerville MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J10383.D	1	05/16/07	PB	n/a	n/a	MSJ537
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units
75-00-3	64.52	Chloroethane	ND	0.20	ppbv		ND	0.53	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	ppbv		ND	1.3	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
127-18-4	165.8	Tetrachloroethylene	1.6	0.20	ppbv		11	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	107%		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:	04516-NO		
Lab Sample ID:	M64809-3	**Date Sampled:**	05/14/07
Matrix:	AIR - Air Summa ID: M132	**Date Received:**	05/14/07
Method:	TO-15	**Percent Solids:**	n/a
Project:	Indoor & Outdoor Air Samples Tufts St., Somerville MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J10384.D	1	05/16/07	PB	n/a	n/a	MSJ537
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units
75-00-3	64.52	Chloroethane	ND	0.20	ppbv		ND	0.53	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	ppbv		ND	1.3	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.94	0.20	ppbv		6.4	1.4	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.20	ppbv		ND	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	ppbv		ND	0.51	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	104%		57-139%

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

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	04516-SO		
Lab Sample ID:	M64809-4	**Date Sampled:**	05/14/07
Matrix:	AIR - Air Summa ID: M032	**Date Received:**	05/14/07
Method:	TO-15	**Percent Solids:**	n/a
Project:	Indoor & Outdoor Air Samples Tufts St., Somerville MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J10385.D	1	05/16/07	PB	n/a	n/a	MSJ537
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units
75-00-3	64.52	Chloroethane	ND	0.20	ppbv		ND	0.53	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	ppbv		ND	1.3	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
127-18-4	165.8	Tetrachloroethylene	2.0	0.20	ppbv		14	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	108%		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

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Report of Analysis

Client Sample ID:	04516-NC		
Lab Sample ID:	M64809-5	**Date Sampled:**	05/14/07
Matrix:	AIR - Air Summa ID: M089	**Date Received:**	05/14/07
Method:	TO-15	**Percent Solids:**	n/a
Project:	Indoor & Outdoor Air Samples Tufts St., Somerville MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J10386.D	1	05/16/07	PB	n/a	n/a	MSJ537
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units
75-00-3	64.52	Chloroethane	ND	0.20	ppbv		ND	0.53	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	ppbv		ND	1.3	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
127-18-4	165.8	Tetrachloroethylene	4.4	0.20	ppbv		30	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	107%		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:	04516-SC		
Lab Sample ID:	M64809-6	**Date Sampled:**	05/14/07
Matrix:	AIR - Air Summa ID: M069	**Date Received:**	05/14/07
Method:	TO-15	**Percent Solids:**	n/a
Project:	Indoor & Outdoor Air Samples Tufts St., Somerville MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J10387.D	1	05/16/07	PB	n/a	n/a	MSJ537
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units
75-00-3	64.52	Chloroethane	ND	0.20	ppbv		ND	0.53	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	ppbv		ND	1.3	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
127-18-4	165.8	Tetrachloroethylene	3.4	0.20	ppbv		23	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	101%		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:	04516-GA		
Lab Sample ID:	M64809-7	**Date Sampled:**	05/14/07
Matrix:	AIR - Air Summa ID: M138	**Date Received:**	05/14/07
Method:	TO-15	**Percent Solids:**	n/a
Project:	Indoor & Outdoor Air Samples Tufts St., Somerville MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J10388.D	1	05/16/07	PB	n/a	n/a	MSJ537
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units
75-00-3	64.52	Chloroethane	ND	0.20	ppbv		ND	0.53	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	ppbv		ND	1.3	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
127-18-4	165.8	Tetrachloroethylene	3.9	0.20	ppbv		26	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	110%		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:	04516-SP		
Lab Sample ID:	M64809-8	**Date Sampled:**	05/14/07
Matrix:	AIR - Air Summa ID: 112,M112	**Date Received:**	05/14/07
Method:	TO-15	**Percent Solids:**	n/a
Project:	Indoor & Outdoor Air Samples Tufts St., Somerville MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J10389.D	1	05/16/07	PB	n/a	n/a	MSJ537
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units
75-00-3	64.52	Chloroethane	ND	0.20	ppbv		ND	0.53	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.10	0.20	ppbv	J	0.63	1.3	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.42	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	97%		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:	04516-IA		
Lab Sample ID:	M64809-9	**Date Sampled:**	05/14/07
Matrix:	AIR - Air Summa ID: M009	**Date Received:**	05/14/07
Method:	TO-15	**Percent Solids:**	n/a
Project:	Indoor & Outdoor Air Samples Tufts St., Somerville MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J10390.D	1	05/16/07	PB	n/a	n/a	MSJ537
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units
75-00-3	64.52	Chloroethane	ND	0.20	ppbv		ND	0.53	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.10	0.20	ppbv	J	0.63	1.3	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
127-18-4	165.8	Tetrachloroethylene	1.0	0.20	ppbv		6.8	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	98%		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

ACCUTEST Laboratories

CHAIN OF CUSTODY

Air Sampling Field Data Sheet

TEPEX Tracking #:
Lab Quote #:
Sample Order Control #:
Lab Job #: M64809

PAGE 1 OF 1

Client / Reporting Information

Company Name: GEI CONSULTANTS
Address: 400 UNICORN PARK DR.
City: WOBURN State: MA Zip: 01801
Project Contact: MARK FINSIGN E-mail:
Phone #: 781-721-4010 Fax #:
Sampler(s) Name(s): LSW

Project Name: TUFTS STREET
Street:
City: SOMERVILLE State: MA
Project #: 04516
Client Purchase Order #:

Weather Parameters

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

Requested Analysis

Lab Sample #	Field ID / Point of Collection	Air Type: Indoor(I) Soil Vap(SV) Ambient(A)	Sampling Equipment Info: Canister Serial #	Canister Size 6L or 1L	Flow Controller Serial #	Start Sampling Information: Date	Time (24hr clock)	Canister Pressure ("Hg)	Interior Temp (F)	Sampler Init.	Stop Sampling Information: Date	Time (24hr clock)	Canister Pressure ("Hg)	Interior Temp (F)	Sampler Init.	~~Standard TO-15 Reporting List~~ *	MA DEP APH
-1	04516 - NP	A	M131	6	MFC40	5/14/07	10:19	-30	68	LSW	5/14/07	14:30	-4	74	LSW	X	
-2	04516 - NW	I	M073		MC59		10:21	-29	67			14:32	-4	75		X	
-3	04516 - NO	I	M132		MFC49		10:21	-31	66			14:33	-4	71		X	
-4	04516 - SO	I	M032		MC65		10:22	-30	65			14:34	-3	71		X	
-5	04516 - NC	I	M089		MFC27		10:23	-30	63			14:40	+4.5	72		X	
-6	04516 - SC	I	M069		MFC30		10:24	-31	64			14:41	-4	71		X	
-7	04516 - GA	I	M138		MC34		10:25	-29	63			14:42	-3.5	70		X	
-8	04516 - SP	A	M112		MC001		10:26	-31	69			14:39	-4	74		X	
-9	04516 - IA	I	M009	6	MC28	5/14/07	10:24	-30	64	LSW	5/14/07	14:40	-4	71	LSW	X	

Turnaround Time (Business days)

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

Approved By: RF-ZA
Date: 5/9/07

Data Deliverable Information

Comm A
Comm B
Full T1 X
Other:

Comments / Remarks

* PROJECT SPECIFIC CHLORINATED VOC PARAMETER LIST. CALL RAY SIEGNER AT GEI.

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 [signature]	5/14/07 14:55	1 [signature]	2 [signature]	5/14/07 400	2 [signature]
Relinquished by: 3 [signature]	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by: 5	Date Time:	Received By: 5	Custody Seal #		

SM013-01 (2/14/06)

4.1

4

M64809: Chain of Custody
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Summa Canister and Flow Controller Log

Job Number: M64809
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA
Received: 05/14/07

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
M131	6	29.4	05/11/07	PB	CP409	J10373.D	M64809-1	05/14/07	DFT	3			1
M073	6	29.4	05/11/07	PB	CP409	J10373.D	M64809-2	05/14/07	DFT	4			1
M132	6	29.4	05/11/07	PB	CP409	J10373.D	M64809-3	05/14/07	DFT	2			1
M032	6	29.4	05/11/07	PB	CP410	Q3371A.D	M64809-4	05/14/07	DFT	2			1
M089	6	29.4	05/11/07	PB	CP409	J10373.D	M64809-5	05/14/07	DFT	3			1
M069	6	29.4	05/11/07	PB	CP409	J10373.D	M64809-6	05/14/07	DFT	2			1
M138	6	29.4	05/11/07	PB	CP409	J10373.D	M64809-7	05/14/07	DFT	3			1
M112	6	29.4	05/11/07	PB	CP407	Q3367A.D	M64809-8	05/14/07	DFT	3			1
M009	6	29.4	05/11/07	PB	CP409	J10373.D	M64809-9	05/14/07	DFT	3			1

FLOW CONTROLLERS

Shipping					Receiving		
Flow Crtl ID	Date Out	By	cc/ min	Time hrs.	Date In	By	cc/ min
MC001	05/11/07	PB	20	24	05/16/07	DFT	20
MC027	05/11/07	PB	20	24	05/16/07	DFT	20.3
MC028	05/11/07	PB	20	24	05/16/07	DFT	21.2
MC030	05/08/07	PB	20	4	05/16/07	DFT	20.4
MC034	05/11/07	PB	20	24	05/16/07	DFT	20.2
MC040	05/11/07	PB	20	24	05/16/07	DFT	20.8
MC049	05/11/07	PB	20	24	05/16/07	DFT	20.9
MC059	05/11/07	PB	20	24	05/16/07	DFT	20.7
MC065	05/11/07	PB	20	24	05/16/07	DFT	21.6

Accutest Bottle Order(s):
PB/5-11-07/GEI/TUFTS ST.
PB/5-8-07/GEI/TUFTS ST. 5-9-07

Prep Date	Room Temp(F)	Bar Pres "Hg
05/11/07	70	29.92

Internal Sample Tracking Chronicle

GEI Consultants, Inc.

Job No: M64809

Indoor & Outdoor Air Samples Tufts St., Somerville MA
Project No: 04516

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
M64809-1 04516-NP	Collected: 14-MAY-07 14:30 By: LJW		Received: 14-MAY-07 By: RS			
M64809-1	TO-15	16-MAY-07 01:03	PB			VTO15STD
M64809-2 04516-NW	Collected: 14-MAY-07 14:32 By: LJW		Received: 14-MAY-07 By: RS			
M64809-2	TO-15	16-MAY-07 01:50	PB			VTO15STD
M64809-3 04516-NO	Collected: 14-MAY-07 14:33 By: LJW		Received: 14-MAY-07 By: RS			
M64809-3	TO-15	16-MAY-07 02:38	PB			VTO15STD
M64809-4 04516-SO	Collected: 14-MAY-07 14:34 By: LJW		Received: 14-MAY-07 By: RS			
M64809-4	TO-15	16-MAY-07 03:24	PB			VTO15STD
M64809-5 04516-NC	Collected: 14-MAY-07 14:40 By: LJW		Received: 14-MAY-07 By: RS			
M64809-5	TO-15	16-MAY-07 04:11	PB			VTO15STD
M64809-6 04516-SC	Collected: 14-MAY-07 14:41 By: LJW		Received: 14-MAY-07 By: RS			
M64809-6	TO-15	16-MAY-07 04:58	PB			VTO15STD
M64809-7 04516-GA	Collected: 14-MAY-07 14:42 By: LJW		Received: 14-MAY-07 By: RS			
M64809-7	TO-15	16-MAY-07 08:06	PB			VTO15STD
M64809-8 04516-SP	Collected: 14-MAY-07 14:39 By: LJW		Received: 14-MAY-07 By: RS			
M64809-8	TO-15	16-MAY-07 08:55	PB			VTO15STD

Internal Sample Tracking Chronicle

GEI Consultants, Inc.

Job No: M64809

Indoor & Outdoor Air Samples Tufts St., Somerville MA
Project No: 04516

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
M64809-9 04516-IA	Collected: 14-MAY-07 14:40 By: LJW		Received: 14-MAY-07 By: RS			
M64809-9	TO-15	16-MAY-07 09:46	PB			VTO15STD

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

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

Method Blank Summary

Job Number: M64809
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSJ537-MB	J10369.D	1	05/15/07	PB	n/a	n/a	MSJ537

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

M64809-1, M64809-2, M64809-3, M64809-4, M64809-5, M64809-6, M64809-7, M64809-8, M64809-9

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	97%	57-139%

Method Blank Summary

Job Number: M64809
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSQ183-MB	Q3367.D	1	05/08/07	PB	n/a	n/a	MSQ183

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

MSQ183-SCC

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
75-00-3	Chloroethane	ND	0.50	ppbv		ND	1.3	ug/m3
56-23-5	Carbon tetrachloride	ND	0.50	ppbv		ND	3.1	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.50	ppbv		ND	2.0	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.50	ppbv		ND	2.0	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.50	ppbv		ND	2.0	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.50	ppbv		ND	2.0	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.50	ppbv		ND	2.0	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.50	ppbv		ND	2.7	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	ppbv		ND	3.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.50	ppbv		ND	2.7	ug/m3
127-18-4	Tetrachloroethylene	ND	0.50	ppbv		ND	3.4	ug/m3
79-01-6	Trichloroethylene	ND	0.50	ppbv		ND	2.7	ug/m3
75-01-4	Vinyl chloride	ND	0.50	ppbv		ND	1.3	ug/m3

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

Method Blank Summary

Job Number: M64809
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSQ184-MB	Q3375.D	1	05/09/07	PB	n/a	n/a	MSQ184

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

MSQ184-SCC

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
75-00-3	Chloroethane	ND	0.50	ppbv		ND	1.3	ug/m3
56-23-5	Carbon tetrachloride	ND	0.50	ppbv		ND	3.1	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.50	ppbv		ND	2.0	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.50	ppbv		ND	2.0	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.50	ppbv		ND	2.0	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.50	ppbv		ND	2.0	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.50	ppbv		ND	2.0	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.50	ppbv		ND	2.7	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	ppbv		ND	3.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.50	ppbv		ND	2.7	ug/m3
127-18-4	Tetrachloroethylene	ND	0.50	ppbv		ND	3.4	ug/m3
79-01-6	Trichloroethylene	ND	0.50	ppbv		ND	2.7	ug/m3
75-01-4	Vinyl chloride	ND	0.50	ppbv		ND	1.3	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	82%	57-139%

Method Blank Summary

Job Number: M64809
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSJ533-MB	J10288.D	1	05/10/07	DFT	n/a	n/a	MSJ533

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

MSJ533-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	95%	57-139%

Blank Spike Summary

Job Number: M64809
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSJ537-BS	J10368.D	1	05/15/07	PB	n/a	n/a	MSJ537

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

M64809-1, M64809-2, M64809-3, M64809-4, M64809-5, M64809-6, M64809-7, M64809-8, M64809-9

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	Limits
75-00-3	Chloroethane	10	11.6	116	70-130
56-23-5	Carbon tetrachloride	10	10.1	101	70-130
75-34-3	1,1-Dichloroethane	10	9.7	97	70-130
75-35-4	1,1-Dichloroethylene	10	10.2	102	70-130
107-06-2	1,2-Dichloroethane	10	9.5	95	70-130
156-60-5	trans-1,2-Dichloroethylene	10	9.9	99	70-130
156-59-2	cis-1,2-Dichloroethylene	10	9.7	97	70-130
71-55-6	1,1,1-Trichloroethane	10	9.9	99	70-130
79-34-5	1,1,2,2-Tetrachloroethane	10	10.6	106	70-130
79-00-5	1,1,2-Trichloroethane	10	10.3	103	70-130
127-18-4	Tetrachloroethylene	10	10.1	101	70-130
79-01-6	Trichloroethylene	10	10.8	108	70-130
75-01-4	Vinyl chloride	10	9.6	96	70-130

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

Blank Spike Summary

Job Number: M64809
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSQ183-BS	Q3366A.D	1	05/08/07	PB	n/a	n/a	MSQ183

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

MSQ183-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	Limits
75-00-3	Chloroethane	10	11.0	110	70-130
56-23-5	Carbon tetrachloride	10	9.9	99	70-130
75-34-3	1,1-Dichloroethane	10	10.6	106	70-130
75-35-4	1,1-Dichloroethylene	10	12.2	122	70-130
107-06-2	1,2-Dichloroethane	10	8.4	84	70-130
156-60-5	trans-1,2-Dichloroethylene	10	11.6	116	70-130
156-59-2	cis-1,2-Dichloroethylene	10	8.7	87	70-130
71-55-6	1,1,1-Trichloroethane	10	8.9	89	70-130
79-34-5	1,1,2,2-Tetrachloroethane	10	9.8	98	70-130
79-00-5	1,1,2-Trichloroethane	10	9.3	93	70-130
127-18-4	Tetrachloroethylene	10	8.4	84	70-130
79-01-6	Trichloroethylene	10	9.7	97	70-130
75-01-4	Vinyl chloride	10	9.7	97	70-130

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

Blank Spike Summary

Job Number: M64809
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSQ184-BS	Q3373.D	1	05/09/07	PB	n/a	n/a	MSQ184

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

MSQ184-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	Limits
75-00-3	Chloroethane	10	9.8	98	70-130
56-23-5	Carbon tetrachloride	10	8.1	81	70-130
75-34-3	1,1-Dichloroethane	10	7.9	79	70-130
75-35-4	1,1-Dichloroethylene	10	10	100	70-130
107-06-2	1,2-Dichloroethane	10	7.3	73	70-130
156-60-5	trans-1,2-Dichloroethylene	10	8.6	86	70-130
156-59-2	cis-1,2-Dichloroethylene	10	8.0	80	70-130
71-55-6	1,1,1-Trichloroethane	10	7.7	77	70-130
79-34-5	1,1,2,2-Tetrachloroethane	10	8.5	85	70-130
79-00-5	1,1,2-Trichloroethane	10	8.6	86	70-130
127-18-4	Tetrachloroethylene	10	8.7	87	70-130
79-01-6	Trichloroethylene	10	8.8	88	70-130
75-01-4	Vinyl chloride	10	8.8	88	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	104%	57-139%

Blank Spike Summary

Job Number: M64809
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSJ533-BS	J10286B.D	1	05/10/07	DFT	n/a	n/a	MSJ533

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

MSJ533-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	Limits
75-00-3	Chloroethane	10	10.2	102	70-130
56-23-5	Carbon tetrachloride	10	8.6	86	70-130
75-34-3	1,1-Dichloroethane	10	8.5	85	70-130
75-35-4	1,1-Dichloroethylene	10	8.7	87	70-130
107-06-2	1,2-Dichloroethane	10	8.1	81	70-130
156-60-5	trans-1,2-Dichloroethylene	10	8.8	88	70-130
156-59-2	cis-1,2-Dichloroethylene	10	8.6	86	70-130
71-55-6	1,1,1-Trichloroethane	10	8.6	86	70-130
79-34-5	1,1,2,2-Tetrachloroethane	10	8.7	87	70-130
79-00-5	1,1,2-Trichloroethane	10	8.0	80	70-130
127-18-4	Tetrachloroethylene	10	8.0	80	70-130
79-01-6	Trichloroethylene	10	8.8	88	70-130
75-01-4	Vinyl chloride	10	8.9	89	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	111%	57-139%

Duplicate Summary

Job Number: M64809
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
M64809-9DUP	J10391.D	1	05/16/07	PB	n/a	n/a	MSJ537
M64809-9	J10390.D	1	05/16/07	PB	n/a	n/a	MSJ537

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

M64809-1, M64809-2, M64809-3, M64809-4, M64809-5, M64809-6, M64809-7, M64809-8, M64809-9

CAS No.	Compound	M64809-9 ppbv	Q	DUP ppbv	Q	RPD	Limits
75-00-3	Chloroethane	ND		ND		nc	25
56-23-5	Carbon tetrachloride	0.10	J	0.098	J	2	25
75-34-3	1,1-Dichloroethane	ND		ND		nc	25
75-35-4	1,1-Dichloroethylene	ND		ND		nc	25
107-06-2	1,2-Dichloroethane	ND		ND		nc	25
156-60-5	trans-1,2-Dichloroethylene	ND		ND		nc	25
156-59-2	cis-1,2-Dichloroethylene	ND		ND		nc	25
71-55-6	1,1,1-Trichloroethane	ND		ND		nc	25
79-34-5	1,1,2,2-Tetrachloroethane	ND		ND		nc	25
79-00-5	1,1,2-Trichloroethane	ND		ND		nc	25
127-18-4	Tetrachloroethylene	1.0		1.2		18	25
79-01-6	Trichloroethylene	ND		ND		nc	25
75-01-4	Vinyl chloride	ND		ND		nc	25

CAS No.	Surrogate Recoveries	DUP	M64809-9	Limits
460-00-4	4-Bromofluorobenzene	97%	98%	57-139%

Summa Cleaning Certification

Job Number: M64809
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSQ183-SCC	Q3367A.D	1	05/08/07	PB	n/a	n/a	MSQ183

The QC reported here (Summa M112) applies to the following samples: **Method:** TO-15

Batch CP407 cleaned 05/01/07: M64809-8(M112)

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
75-00-3	Chloroethane	ND	0.50	ppbv		ND	1.3	ug/m3
56-23-5	Carbon tetrachloride	ND	0.50	ppbv		ND	3.1	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.50	ppbv		ND	2.0	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.50	ppbv		ND	2.0	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.50	ppbv		ND	2.0	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.50	ppbv		ND	2.0	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.50	ppbv		ND	2.0	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.50	ppbv		ND	2.7	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	ppbv		ND	3.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.50	ppbv		ND	2.7	ug/m3
127-18-4	Tetrachloroethylene	ND	0.50	ppbv		ND	3.4	ug/m3
79-01-6	Trichloroethylene	ND	0.50	ppbv		ND	2.7	ug/m3
75-01-4	Vinyl chloride	ND	0.50	ppbv		ND	1.3	ug/m3

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

Summa Cleaning Certification

Job Number: M64809
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSQ183-SCC	Q3371A.D	1	05/09/07	PB	n/a	n/a	MSQ183

The QC reported here (Summa M032) applies to the following samples: **Method:** TO-15

Batch CP410 cleaned 05/07/07: M64809-4(M032)

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
75-00-3	Chloroethane	ND	0.50	ppbv		ND	1.3	ug/m3
56-23-5	Carbon tetrachloride	ND	0.50	ppbv		ND	3.1	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.50	ppbv		ND	2.0	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.50	ppbv		ND	2.0	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.50	ppbv		ND	2.0	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.50	ppbv		ND	2.0	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.50	ppbv		ND	2.0	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.50	ppbv		ND	2.7	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	ppbv		ND	3.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.50	ppbv		ND	2.7	ug/m3
127-18-4	Tetrachloroethylene	ND	0.50	ppbv		ND	3.4	ug/m3
79-01-6	Trichloroethylene	ND	0.50	ppbv		ND	2.7	ug/m3
75-01-4	Vinyl chloride	ND	0.50	ppbv		ND	1.3	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	87%	57-139%

Summa Cleaning Certification

Job Number: M64809
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSQ184-SCC	Q3375A.D	1	05/09/07	PB	n/a	n/a	MSQ184

The QC reported here (Summa M138) applies to the following samples: **Method:** TO-15

Batch CP409 cleaned 05/04/07: M64809-7(M138)

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
75-00-3	Chloroethane	ND	0.50	ppbv		ND	1.3	ug/m3
56-23-5	Carbon tetrachloride	ND	0.50	ppbv		ND	3.1	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.50	ppbv		ND	2.0	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.50	ppbv		ND	2.0	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.50	ppbv		ND	2.0	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.50	ppbv		ND	2.0	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.50	ppbv		ND	2.0	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.50	ppbv		ND	2.7	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	ppbv		ND	3.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.50	ppbv		ND	2.7	ug/m3
127-18-4	Tetrachloroethylene	ND	0.50	ppbv		ND	3.4	ug/m3
79-01-6	Trichloroethylene	ND	0.50	ppbv		ND	2.7	ug/m3
75-01-4	Vinyl chloride	ND	0.50	ppbv		ND	1.3	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	82%	57-139%

Summa Cleaning Certification

Job Number: M64809
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSJ533-SCC	J10288A.D	1	05/10/07	DFT	n/a	n/a	MSJ533

The QC reported here (Summa M009) applies to the following samples: **Method:** TO-15

Batch CP409 cleaned 05/04/07: M64809-9(M009)

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
75-00-3	Chloroethane	ND	0.50	ppbv		ND	1.3	ug/m3
56-23-5	Carbon tetrachloride	ND	0.50	ppbv		ND	3.1	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.50	ppbv		ND	2.0	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.50	ppbv		ND	2.0	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.50	ppbv		ND	2.0	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.50	ppbv		ND	2.0	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.50	ppbv		ND	2.0	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.50	ppbv		ND	2.7	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	ppbv		ND	3.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.50	ppbv		ND	2.7	ug/m3
127-18-4	Tetrachloroethylene	ND	0.50	ppbv		ND	3.4	ug/m3
79-01-6	Trichloroethylene	ND	0.50	ppbv		ND	2.7	ug/m3
75-01-4	Vinyl chloride	ND	0.50	ppbv		ND	1.3	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	95%	57-139%

Summa Cleaning Certification

Job Number: M64809
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSJ533-SCC	J10305.D	1	05/11/07	DFT	n/a	n/a	MSJ533

The QC reported here (Summa M131) applies to the following samples: **Method:** TO-15

Batch CP409 cleaned 05/04/07: M64809-1(M131)

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
75-00-3	Chloroethane	ND	0.50	ppbv		ND	1.3	ug/m3
56-23-5	Carbon tetrachloride	ND	0.50	ppbv		ND	3.1	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.50	ppbv		ND	2.0	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.50	ppbv		ND	2.0	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.50	ppbv		ND	2.0	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.50	ppbv		ND	2.0	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.50	ppbv		ND	2.0	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.50	ppbv		ND	2.7	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	ppbv		ND	3.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.50	ppbv		ND	2.7	ug/m3
127-18-4	Tetrachloroethylene	ND	0.50	ppbv		ND	3.4	ug/m3
79-01-6	Trichloroethylene	ND	0.50	ppbv		ND	2.7	ug/m3
75-01-4	Vinyl chloride	ND	0.50	ppbv		ND	1.3	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	87%	57-139%

Summa Cleaning Certification

Job Number: M64809
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSJ533-SCC	J10306.D	1	05/11/07	DFT	n/a	n/a	MSJ533

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

Batch CP409 cleaned 05/04/07: M64809-3(M132)

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
75-00-3	Chloroethane	ND	0.50	ppbv		ND	1.3	ug/m3
56-23-5	Carbon tetrachloride	ND	0.50	ppbv		ND	3.1	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.50	ppbv		ND	2.0	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.50	ppbv		ND	2.0	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.50	ppbv		ND	2.0	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.50	ppbv		ND	2.0	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.50	ppbv		ND	2.0	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.50	ppbv		ND	2.7	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	ppbv		ND	3.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.50	ppbv		ND	2.7	ug/m3
127-18-4	Tetrachloroethylene	ND	0.50	ppbv		ND	3.4	ug/m3
79-01-6	Trichloroethylene	ND	0.50	ppbv		ND	2.7	ug/m3
75-01-4	Vinyl chloride	ND	0.50	ppbv		ND	1.3	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	92%	57-139%

Summa Cleaning Certification

Job Number: M64809
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSJ533-SCC	J10307.D	1	05/11/07	DFT	n/a	n/a	MSJ533

The QC reported here (Summa M069) applies to the following samples: **Method:** TO-15

Batch CP409 cleaned 05/04/07: M64809-6(M069)

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
75-00-3	Chloroethane	ND	0.50	ppbv		ND	1.3	ug/m3
56-23-5	Carbon tetrachloride	ND	0.50	ppbv		ND	3.1	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.50	ppbv		ND	2.0	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.50	ppbv		ND	2.0	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.50	ppbv		ND	2.0	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.50	ppbv		ND	2.0	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.50	ppbv		ND	2.0	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.50	ppbv		ND	2.7	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	ppbv		ND	3.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.50	ppbv		ND	2.7	ug/m3
127-18-4	Tetrachloroethylene	ND	0.50	ppbv		ND	3.4	ug/m3
79-01-6	Trichloroethylene	ND	0.50	ppbv		ND	2.7	ug/m3
75-01-4	Vinyl chloride	ND	0.50	ppbv		ND	1.3	ug/m3

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

Summa Cleaning Certification

Job Number: M64809
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSJ533-SCC	J10309.D	1	05/11/07	DFT	n/a	n/a	MSJ533

The QC reported here (Summa M073) applies to the following samples: **Method:** TO-15

Batch CP409 cleaned 05/04/07: M64809-2(M073)

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
75-00-3	Chloroethane	ND	0.50	ppbv		ND	1.3	ug/m3
56-23-5	Carbon tetrachloride	ND	0.50	ppbv		ND	3.1	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.50	ppbv		ND	2.0	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.50	ppbv		ND	2.0	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.50	ppbv		ND	2.0	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.50	ppbv		ND	2.0	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.50	ppbv		ND	2.0	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.50	ppbv		ND	2.7	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	ppbv		ND	3.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.50	ppbv		ND	2.7	ug/m3
127-18-4	Tetrachloroethylene	ND	0.50	ppbv		ND	3.4	ug/m3
79-01-6	Trichloroethylene	ND	0.50	ppbv		ND	2.7	ug/m3
75-01-4	Vinyl chloride	ND	0.50	ppbv		ND	1.3	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	88%	57-139%

Summa Cleaning Certification

Job Number: M64809
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSJ533-SCC	J10310.D	1	05/11/07	DFT	n/a	n/a	MSJ533

The QC reported here (Summa M089) applies to the following samples: **Method:** TO-15

Batch CP409 cleaned 05/04/07: M64809-5(M089)

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
75-00-3	Chloroethane	ND	0.50	ppbv		ND	1.3	ug/m3
56-23-5	Carbon tetrachloride	ND	0.50	ppbv		ND	3.1	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.50	ppbv		ND	2.0	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.50	ppbv		ND	2.0	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.50	ppbv		ND	2.0	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.50	ppbv		ND	2.0	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.50	ppbv		ND	2.0	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.50	ppbv		ND	2.7	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	ppbv		ND	3.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.50	ppbv		ND	2.7	ug/m3
127-18-4	Tetrachloroethylene	ND	0.50	ppbv		ND	3.4	ug/m3
79-01-6	Trichloroethylene	ND	0.50	ppbv		ND	2.7	ug/m3
75-01-4	Vinyl chloride	ND	0.50	ppbv		ND	1.3	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	87%	57-139%

Instrument Performance Check (BFB)

Job Number: M64809
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample: MSJ533-BFB
Lab File ID: J10277.D
Instrument ID: GCMSJ
Injection Date: 05/09/07
Injection Time: 18:39

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	12561	17.7		Pass
75	30.0 - 66.0% of mass 95	35015	49.5		Pass
95	Base peak, 100% relative abundance	70793	100.0		Pass
96	5.0 - 9.0% of mass 95	4662	6.6		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 120.0% of mass 95	74325	105.0		Pass
175	4.0 - 9.0% of mass 174	5105	7.2	(6.9) [a]	Pass
176	93.0 - 101.0% of mass 174	69706	98.5	(93.8) [a]	Pass
177	5.0 - 9.0% of mass 176	5111	7.2	(7.3) [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
MSJ533-IC533	J10277.D	05/09/07	18:39	00:00	Initial cal 0.2
MSJ533-IC533	J10278.D	05/09/07	19:29	00:50	Initial cal 0.5
MSJ533-IC533	J10279.D	05/09/07	20:18	01:39	Initial cal 40
MSJ533-IC533	J10280.D	05/09/07	21:05	02:26	Initial cal 20
MSJ533-ICC533	J10281.D	05/09/07	21:52	03:13	Initial cal 10
MSJ533-IC533	J10282.D	05/09/07	22:40	04:01	Initial cal 5
MSJ533-IC533	J10283.D	05/09/07	23:27	04:48	Initial cal 2
MSJ533-ICV533	J10286.D	05/10/07	10:33	15:54	Initial cal verification 10

Instrument Performance Check (BFB)

Job Number: M64809
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample: MSJ533-BFB
Lab File ID: J10286A.D
Instrument ID: GCMSJ
Injection Date: 05/10/07
Injection Time: 10:33

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	58752	17.6		Pass
75	30.0 - 66.0% of mass 95	163184	48.9		Pass
95	Base peak, 100% relative abundance	333840	100.0		Pass
96	5.0 - 9.0% of mass 95	23018	6.9		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 120.0% of mass 95	359152	107.6		Pass
175	4.0 - 9.0% of mass 174	15166	4.5	(4.2) [a]	Pass
176	93.0 - 101.0% of mass 174	348720	104.5	(97.1) [a]	Pass
177	5.0 - 9.0% of mass 176	21654	6.5	(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
MSJ533-CC533	J10286A.D	05/10/07	10:33	00:00	Continuing cal 10
MSJ533-BS	J10286B.D	05/10/07	10:33	00:00	Blank Spike
MSJ533-MB	J10288.D	05/10/07	12:14	01:41	Method Blank
MSJ533-SCC	J10288A.D	05/10/07	12:14	01:41	Summa Cleaning Certification
M64467-1	J10289.D	05/10/07	13:03	02:30	(used for QC only; not part of job M64809)
ZZZZZZ	J10290.D	05/10/07	13:57	03:24	(unrelated sample)
ZZZZZZ	J10291.D	05/10/07	14:51	04:18	(unrelated sample)
M64467-1DUP	J10293.D	05/10/07	16:47	06:14	Duplicate
ZZZZZZ	J10295.D	05/10/07	18:32	07:59	(unrelated sample)
ZZZZZZ	J10296.D	05/10/07	19:23	08:50	(unrelated sample)
ZZZZZZ	J10297.D	05/10/07	20:12	09:39	(unrelated sample)
ZZZZZZ	J10298.D	05/10/07	20:59	10:26	(unrelated sample)
ZZZZZZ	J10299.D	05/10/07	21:46	11:13	(unrelated sample)
ZZZZZZ	J10300.D	05/10/07	22:33	12:00	(unrelated sample)
ZZZZZZ	J10301.D	05/10/07	23:20	12:47	(unrelated sample)
ZZZZZZ	J10302.D	05/11/07	00:06	13:33	(unrelated sample)
ZZZZZZ	J10303.D	05/11/07	00:51	14:18	(unrelated sample)
MSJ533-SCC	J10305.D	05/11/07	02:21	15:48	Summa Cleaning Certification
MSJ533-SCC	J10306.D	05/11/07	03:06	16:33	Summa Cleaning Certification
MSJ533-SCC	J10307.D	05/11/07	03:50	17:17	Summa Cleaning Certification
MSJ533-SCC	J10308.D	05/11/07	04:35	18:02	Summa Cleaning Certification
MSJ533-SCC	J10309.D	05/11/07	08:22	21:49	Summa Cleaning Certification
MSJ533-SCC	J10310.D	05/11/07	09:07	22:34	Summa Cleaning Certification
MSJ533-SCC	J10311.D	05/11/07	09:52	23:19	Summa Cleaning Certification

Instrument Performance Check (BFB)

Job Number: M64809
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample: MSJ537-BFB
Lab File ID: J10367.D
Instrument ID: GCMSJ
Injection Date: 05/15/07
Injection Time: 12:03

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	31576	17.5		Pass
75	30.0 - 66.0% of mass 95	83005	45.9		Pass
95	Base peak, 100% relative abundance	180949	100.0		Pass
96	5.0 - 9.0% of mass 95	12359	6.8		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 120.0% of mass 95	176768	97.7		Pass
175	4.0 - 9.0% of mass 174	11238	6.2	(6.4) [a]	Pass
176	93.0 - 101.0% of mass 174	168960	93.4	(95.6) [a]	Pass
177	5.0 - 9.0% of mass 176	12656	7.0	(7.5) [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
MSJ537-CC533	J10367.D	05/15/07	12:03	00:00	Continuing cal 10
MSJ537-BS	J10368.D	05/15/07	12:49	00:46	Blank Spike
MSJ537-SCC	J10369A.D	05/15/07	14:08	02:05	Summa Cleaning Certification
MSJ537-MB	J10369.D	05/15/07	14:08	02:05	Method Blank
MSJ537-SCC	J10370.D	05/15/07	14:56	02:53	Summa Cleaning Certification
MSJ537-SCC	J10371.D	05/15/07	15:45	03:42	Summa Cleaning Certification
MSJ537-SCC	J10372.D	05/15/07	16:33	04:30	Summa Cleaning Certification
MSJ537-SCC	J10373.D	05/15/07	17:22	05:19	Summa Cleaning Certification
ZZZZZZ	J10374.D	05/15/07	18:38	06:35	(unrelated sample)
ZZZZZZ	J10375.D	05/15/07	19:26	07:23	(unrelated sample)
ZZZZZZ	J10376.D	05/15/07	20:14	08:11	(unrelated sample)
ZZZZZZ	J10378.D	05/15/07	21:51	09:48	(unrelated sample)
ZZZZZZ	J10379.D	05/15/07	22:38	10:35	(unrelated sample)
ZZZZZZ	J10381.D	05/16/07	00:14	12:11	(unrelated sample)
M64809-1	J10382.D	05/16/07	01:03	13:00	04516-NP
M64809-2	J10383.D	05/16/07	01:50	13:47	04516-NW
M64809-3	J10384.D	05/16/07	02:38	14:35	04516-NO
M64809-4	J10385.D	05/16/07	03:24	15:21	04516-SO
M64809-5	J10386.D	05/16/07	04:11	16:08	04516-NC
M64809-6	J10387.D	05/16/07	04:58	16:55	04516-SC
M64809-7	J10388.D	05/16/07	08:06	20:03	04516-GA
M64809-8	J10389.D	05/16/07	08:55	20:52	04516-SP
M64809-9	J10390.D	05/16/07	09:46	21:43	04516-IA
M64809-9DUP	J10391.D	05/16/07	10:37	22:34	Duplicate

Instrument Performance Check (BFB)

Job Number: M64809
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample: MSQ180-BFB
Lab File ID: Q3333.D
Instrument ID: GCMSQ
Injection Date: 05/03/07
Injection Time: 17:52

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	42294	26.5		Pass
75	30.0 - 66.0% of mass 95	95074	59.6		Pass
95	Base peak, 100% relative abundance	159520	100.0		Pass
96	5.0 - 9.0% of mass 95	9974	6.3		Pass
173	Less than 2.0% of mass 174	1288	0.81	(1.1) [a]	Pass
174	50.0 - 120.0% of mass 95	117362	73.6		Pass
175	4.0 - 9.0% of mass 174	7854	4.9	(6.7) [a]	Pass
176	93.0 - 101.0% of mass 174	111676	70.0	(95.2) [a]	Pass
177	5.0 - 9.0% of mass 176	7381	4.6	(6.6) [b]	Pass

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

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSQ180-IC180	Q3333.D	05/03/07	17:52	00:00	Initial cal 40
MSQ180-IC180	Q3334.D	05/04/07	09:46	15:54	Initial cal 20
MSQ180-ICC180	Q3335.D	05/04/07	10:27	16:35	Initial cal 10
MSQ180-IC180	Q3336.D	05/04/07	11:06	17:14	Initial cal 5
MSQ180-IC180	Q3337.D	05/04/07	12:03	18:11	Initial cal 2
MSQ180-IC180	Q3338.D	05/04/07	12:52	19:00	Initial cal .5
MSQ180-IC180	Q3339.D	05/04/07	14:01	20:09	Initial cal .2

Instrument Performance Check (BFB)

Job Number: M64809
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample: MSQ183-BFB
Lab File ID: Q3366.D
Instrument ID: GCMSQ
Injection Date: 05/08/07
Injection Time: 12:16

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	34157	22.3		Pass
75	30.0 - 66.0% of mass 95	84365	55.0		Pass
95	Base peak, 100% relative abundance	153322	100.0		Pass
96	5.0 - 9.0% of mass 95	8986	5.9		Pass
173	Less than 2.0% of mass 174	1350	0.88	(1.3) [a]	Pass
174	50.0 - 120.0% of mass 95	101493	66.2		Pass
175	4.0 - 9.0% of mass 174	7859	5.1	(7.7) [a]	Pass
176	93.0 - 101.0% of mass 174	98341	64.1	(96.9) [a]	Pass
177	5.0 - 9.0% of mass 176	5825	3.8	(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
MSQ183-CC180	Q3366.D	05/08/07	12:16	00:00	Continuing cal 10
MSQ183-BS	Q3366A.D	05/08/07	12:16	00:00	Blank Spike
MSQ183-MB	Q3367.D	05/08/07	15:31	03:15	Method Blank
MSQ183-SCC	Q3367A.D	05/08/07	15:31	03:15	Summa Cleaning Certification
MSQ183-SCC	Q3369.D	05/08/07	17:32	05:16	Summa Cleaning Certification
MSQ183-SCC	Q3371A.D	05/09/07	12:00	23:44	Summa Cleaning Certification

Instrument Performance Check (BFB)

Job Number: M64809
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample: MSQ184-BFB
Lab File ID: Q3372.D
Instrument ID: GCMSQ
Injection Date: 05/09/07
Injection Time: 13:11

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	47366	25.5		Pass
75	30.0 - 66.0% of mass 95	101754	54.9		Pass
95	Base peak, 100% relative abundance	185450	100.0		Pass
96	5.0 - 9.0% of mass 95	11758	6.3		Pass
173	Less than 2.0% of mass 174	1130	0.61	(0.93) [a]	Pass
174	50.0 - 120.0% of mass 95	121926	65.7		Pass
175	4.0 - 9.0% of mass 174	9004	4.9	(7.4) [a]	Pass
176	93.0 - 101.0% of mass 174	116765	63.0	(95.8) [a]	Pass
177	5.0 - 9.0% of mass 176	7893	4.3	(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
MSQ184-CC180	Q3372.D	05/09/07	13:11	00:00	Continuing cal 10
MSQ184-BS	Q3373.D	05/09/07	15:47	02:36	Blank Spike
MSQ184-MB	Q3375.D	05/09/07	18:03	04:52	Method Blank
MSQ184-SCC	Q3375A.D	05/09/07	18:03	04:52	Summa Cleaning Certification
ZZZZZZ	Q3376.D	05/09/07	18:48	05:37	(unrelated sample)
M64418-21A	Q3377.D	05/10/07	11:16	22:05	(used for QC only; not part of job M64809)
M64418-21ADUP	Q3378.D	05/10/07	11:56	22:45	Duplicate
ZZZZZZ	Q3379.D	05/10/07	12:44	23:33	(unrelated sample)

Volatile Internal Standard Area Summary

Job Number: M64809
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Check Std:	MSJ533-CC533	**Injection Date:**	05/10/07
Lab File ID:	J10286A.D	**Injection Time:**	10:33
Instrument ID:	GCMSJ	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	413189	8.62	1835396	10.44	1640141	14.67
Upper Limit [a]	578465	8.95	2569554	10.77	2296197	15.00
Lower Limit [b]	247913	8.29	1101238	10.11	984085	14.34

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
MSJ533-BS	413189	8.62	1835396	10.44	1640141	14.67
MSJ533-MB	381318	8.62	1690348	10.44	1515608	14.67
MSJ533-SCC	381318	8.62	1690348	10.44	1515608	14.67
M64467-1	362149	8.62	1604778	10.43	1460059	14.67
ZZZZZZ	362860	8.62	1552293	10.43	1515758	14.66
ZZZZZZ	449251	8.61	2059368	10.43	1706065	14.69
M64467-1DUP	333619	8.60	1340934	10.42	1201491	14.66
ZZZZZZ	386660	8.63	1712562	10.44	1576861	14.67
ZZZZZZ	353894	8.63	1439066	10.44	1260168	14.67
ZZZZZZ	355456	8.66	1514660	10.48	1484790	14.68
ZZZZZZ	389440	8.66	1647308	10.47	1556498	14.67
ZZZZZZ	383722	8.66	1663801	10.46	1538544	14.67
ZZZZZZ	410880	8.62	1772361	10.44	1571230	14.67
ZZZZZZ	363537	8.62	1567838	10.44	1415679	14.67
ZZZZZZ	361622	8.62	1590815	10.44	1460787	14.67
ZZZZZZ	372402	8.62	1622994	10.44	1470779	14.67
MSJ533-SCC	308699	8.62	1227895	10.43	1099290	14.67
MSJ533-SCC	361981	8.62	1631570	10.44	1459024	14.67
MSJ533-SCC	324340	8.62	1392533	10.44	1253669	14.67
MSJ533-SCC	314587	8.62	1276511	10.43	1108567	14.67
MSJ533-SCC	294181	8.62	1243989	10.44	1158956	14.67
MSJ533-SCC	314379	8.62	1255223	10.43	1149666	14.67
MSJ533-SCC	320484	8.63	1338572	10.44	1208850	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: M64809
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Check Std:	MSJ537-CC533	**Injection Date:**	05/15/07
Lab File ID:	J10367.D	**Injection Time:**	12:03
Instrument ID:	GCMSJ	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	341470	8.63	1493501	10.44	1358713	14.67
Upper Limit [a]	478058	8.96	2090901	10.77	1902198	15.00
Lower Limit [b]	204882	8.30	896101	10.11	815228	14.34

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
MSJ537-BS	353576	8.63	1506835	10.45	1359747	14.68
MSJ537-SCC	355966	8.63	1430782	10.44	1270140	14.67
MSJ537-MB	355966	8.63	1430782	10.44	1270140	14.67
MSJ537-SCC	339751	8.62	1477861	10.44	1387280	14.67
MSJ537-SCC	320087	8.62	1324759	10.44	1176059	14.67
MSJ537-SCC	311182	8.62	1262850	10.44	1130142	14.67
MSJ537-SCC	301182	8.62	1151181	10.44	1022324	14.67
ZZZZZZ	347509	8.62	1502402	10.44	1374783	14.67
ZZZZZZ	339946	8.62	1403166	10.44	1265001	14.67
ZZZZZZ	304843	8.62	1121696	10.44	1011980	14.67
ZZZZZZ	310030	8.63	1278770	10.44	1190603	14.67
ZZZZZZ	329952	8.63	1268676	10.44	1138977	14.67
ZZZZZZ	314292	8.62	1307473	10.43	1175979	14.67
M64809-1	324386	8.62	1278751	10.44	1154526	14.67
M64809-2	360411	8.63	1575885	10.44	1464843	14.67
M64809-3	360289	8.63	1585644	10.44	1451145	14.67
M64809-4	359468	8.63	1543639	10.44	1451566	14.67
M64809-5	325028	8.63	1275471	10.44	1142976	14.67
M64809-6	331076	8.63	1323350	10.44	1176187	14.67
M64809-7	364804	8.62	1515015	10.44	1419146	14.67
M64809-8	355227	8.62	1533406	10.44	1430527	14.67
M64809-9	333087	8.63	1346557	10.44	1198914	14.67
M64809-9DUP	314752	8.62	1238982	10.43	1084482	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: M64809
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Check Std:	MSQ183-CC180	**Injection Date:**	05/08/07
Lab File ID:	Q3366.D	**Injection Time:**	12:16
Instrument ID:	GCMSQ	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	162426	8.64	735210	10.47	618997	14.72
Upper Limit [a]	227396	8.97	1029294	10.80	866596	15.05
Lower Limit [b]	97456	8.31	441126	10.14	371398	14.39

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
MSQ183-BS	162426	8.64	735210	10.47	618997	14.72
MSQ183-MB	170427	8.64	692126	10.47	540376	14.72
MSQ183-SCC	170427	8.64	692126	10.47	540376	14.72
MSQ183-SCC	144337	8.64	571590	10.47	455674	14.72
MSQ183-SCC	177946	8.64	755790	10.47	604849	14.72

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: M64809
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Check Std:	MSQ184-CC180	**Injection Date:**	05/09/07
Lab File ID:	Q3372.D	**Injection Time:**	13:11
Instrument ID:	GCMSQ	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	202987	8.64	915842	10.47	761567	14.72
Upper Limit [a]	284182	8.97	1282179	10.80	1066194	15.05
Lower Limit [b]	121792	8.31	549505	10.14	456940	14.39

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
MSQ184-BS	223673	8.65	964112	10.47	783670	14.72
MSQ184-MB	176384	8.64	717910	10.47	580312	14.72
MSQ184-SCC	176384	8.64	717910	10.47	580312	14.72
ZZZZZZ	156448	8.69	619743	10.50	507557	14.73
M64418-21A	193321	8.65	779568	10.48	582873	14.72
M64418-21ADUP	144646	8.62	605694	10.50	463402	14.73
ZZZZZZ	175960	8.66	784487	10.48	629259	14.72

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

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

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64809
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ533-IC533	J10277.D	05/09/07 18:39	DFT	0.2	GCMSJ	TO-15	Reporting this level
MSJ533-IC533	J10278.D	05/09/07 19:29	DFT	0.5	GCMSJ	TO-15	
MSJ533-IC533	J10279.D	05/09/07 20:18	DFT	40	GCMSJ	TO-15	
MSJ533-IC533	J10280.D	05/09/07 21:05	DFT	20	GCMSJ	TO-15	
MSJ533-ICC533	J10281.D	05/09/07 21:52	DFT	10	GCMSJ	TO-15	
MSJ533-IC533	J10282.D	05/09/07 22:40	DFT	5	GCMSJ	TO-15	
MSJ533-IC533	J10283.D	05/09/07 23:27	DFT	2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.68	8.62	0.659	ok	0.657	0.597-0.717
1,3-Butadiene	4.59	8.62	0.532	ok	0.532	0.472-0.592
Benzene	10.12	10.43	0.970	ok	0.969	0.909-1.029
Bromodichloromethane	11.08	10.43	1.062	ok	1.062	1.002-1.122
Bromoform	15.39	14.67	1.049	ok	1.049	0.989-1.109
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
Carbon disulfide	6.85	8.62	0.795	ok	0.794	0.734-0.854
Chlorobenzene	14.71	14.67	1.003	ok	1.003	0.943-1.063
Chloroethane	5.04	8.62	0.585	ok	0.583	0.523-0.643
Chloroform	8.75	8.62	1.015	ok	1.014	0.954-1.074
Chloromethane	4.22	8.62	0.490	ok	0.490	0.430-0.550
3-Chloropropene	6.66	8.62	0.773	ok	0.772	0.712-0.832
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	7.66	8.62	0.889	ok	0.888	0.828-0.948
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
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	7.46	8.62	0.865	ok	0.865	0.805-0.925
cis-1,2-Dichloroethylene	8.46	8.62	0.981	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.94	10.43	1.145	ok	1.144	1.084-1.204
trans-1,3-Dichloropropene	12.43	10.43	1.192	ok	1.192	1.132-1.252
Ethylbenzene	15.09	14.67	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.72	8.62	1.012	ok	1.009	0.949-1.069
Freon 113	6.79	8.62	0.788	ok	0.788	0.728-0.848
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
Isopropyl Alcohol	6.05	8.62	0.702	ok	0.692	0.632-0.752
Methyl ethyl ketone	8.11	8.62	0.941	ok	0.937	0.877-0.997
Methyl Tert Butyl Ether	7.76	8.62	0.900	ok	0.897	0.837-0.957
Pentane	6.14	8.62	0.712	ok	0.712	0.652-0.772
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	10.43	1.210	ok	1.209	1.149-1.269
2,2,4-Trimethylpentane	11.12	10.43	1.066	ok	1.065	1.005-1.125
Tetrachloroethylene	14.01	14.67	0.955	ok	0.955	0.895-1.015

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64809
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ533-IC533	J10277.D	05/09/07 18:39	DFT	0.2	GCMSJ	TO-15	Reporting this level
MSJ533-IC533	J10278.D	05/09/07 19:29	DFT	0.5	GCMSJ	TO-15	
MSJ533-IC533	J10279.D	05/09/07 20:18	DFT	40	GCMSJ	TO-15	
MSJ533-IC533	J10280.D	05/09/07 21:05	DFT	20	GCMSJ	TO-15	
MSJ533-ICC533	J10281.D	05/09/07 21:52	DFT	10	GCMSJ	TO-15	
MSJ533-IC533	J10282.D	05/09/07 22:40	DFT	5	GCMSJ	TO-15	
MSJ533-IC533	J10283.D	05/09/07 23:27	DFT	2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Toluene	12.88	10.43	1.235	ok	1.234	1.174-1.294
Trichloroethylene	11.12	10.43	1.066	ok	1.065	1.005-1.125
Trichlorofluoromethane	5.79	8.62	0.672	ok	0.672	0.612-0.732
Vinyl chloride	4.46	8.62	0.517	ok	0.516	0.456-0.576
m,p-Xylene	15.29	14.67	1.042	ok	1.042	0.982-1.102

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	344690	ok	371623	222974-520272
1,4-Difluorobenzene	10.43	ok	10.44	10.11-10.77	1460896	ok	1631886	979132-2284640
Chlorobenzene-D5	14.67	ok	14.67	14.34-15.00	1214337	ok	1431182	858709-2003655

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64809
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ533-IC533	J10277.D	05/09/07 18:39	DFT	0.2	GCMSJ	TO-15	
MSJ533-IC533	J10278.D	05/09/07 19:29	DFT	0.5	GCMSJ	TO-15	Reporting this level
MSJ533-IC533	J10279.D	05/09/07 20:18	DFT	40	GCMSJ	TO-15	
MSJ533-IC533	J10280.D	05/09/07 21:05	DFT	20	GCMSJ	TO-15	
MSJ533-ICC533	J10281.D	05/09/07 21:52	DFT	10	GCMSJ	TO-15	
MSJ533-IC533	J10282.D	05/09/07 22:40	DFT	5	GCMSJ	TO-15	
MSJ533-IC533	J10283.D	05/09/07 23:27	DFT	2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.67	8.62	0.658	ok	0.657	0.597-0.717
1,3-Butadiene	4.59	8.62	0.532	ok	0.532	0.472-0.592
Benzene	10.12	10.44	0.969	ok	0.969	0.909-1.029
Bromodichloromethane	11.09	10.44	1.062	ok	1.062	1.002-1.122
Bromoform	15.39	14.67	1.049	ok	1.049	0.989-1.109
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	17.88	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	4.22	8.62	0.490	ok	0.490	0.430-0.550
3-Chloropropene	6.65	8.62	0.771	ok	0.772	0.712-0.832
2-Chlorotoluene	16.97	14.67	1.157	ok	1.157	1.097-1.217
Carbon tetrachloride	10.26	8.62	1.190	ok	1.190	1.130-1.250
Cyclohexane	10.37	10.44	0.993	ok	0.993	0.933-1.053
1,1-Dichloroethane	7.66	8.62	0.889	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.42	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	10.89	10.44	1.043	ok	1.044	0.984-1.104
1,4-Dioxane	11.24	10.44	1.077	ok	1.071	1.011-1.131
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	0.865	0.805-0.925
cis-1,2-Dichloroethylene	8.46	8.62	0.981	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.94	10.44	1.144	ok	1.144	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	1.192	1.132-1.252
Ethanol	5.23	8.62	0.607	ok	0.604	0.544-0.664
Ethylbenzene	15.09	14.67	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.70	8.62	1.009	ok	1.009	0.949-1.069
4-Ethyltoluene	17.17	14.67	1.170	ok	1.170	1.110-1.230
Freon 113	6.79	8.62	0.788	ok	0.788	0.728-0.848
Freon 114	4.32	8.62	0.501	ok	0.501	0.441-0.561
Heptane	11.36	10.44	1.088	ok	1.088	1.028-1.148
Hexachlorobutadiene	20.77	14.67	1.416	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: M64809
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ533-IC533	J10277.D	05/09/07 18:39	DFT	0.2	GCMSJ	TO-15	
MSJ533-IC533	J10278.D	05/09/07 19:29	DFT	0.5	GCMSJ	TO-15	Reporting this level
MSJ533-IC533	J10279.D	05/09/07 20:18	DFT	40	GCMSJ	TO-15	
MSJ533-IC533	J10280.D	05/09/07 21:05	DFT	20	GCMSJ	TO-15	
MSJ533-ICC533	J10281.D	05/09/07 21:52	DFT	10	GCMSJ	TO-15	
MSJ533-IC533	J10282.D	05/09/07 22:40	DFT	5	GCMSJ	TO-15	
MSJ533-IC533	J10283.D	05/09/07 23:27	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	0.898	0.838-0.958
Isopropylbenzene	16.43	14.67	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.98	8.62	0.694	ok	0.692	0.632-0.752
Methylene chloride	6.55	8.62	0.760	ok	0.760	0.700-0.820
Methyl ethyl ketone	8.08	8.62	0.937	ok	0.937	0.877-0.997
Methyl Isobutyl Ketone	12.01	10.44	1.150	ok	1.149	1.089-1.209
Methyl Tert Butyl Ether	7.74	8.62	0.898	ok	0.897	0.837-0.957
Nonane	15.97	14.67	1.089	ok	1.089	1.029-1.149
Pentane	6.14	8.62	0.712	ok	0.712	0.652-0.772
Propylene	3.99	8.62	0.463	ok	0.463	0.403-0.523
Styrene	15.66	14.67	1.067	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.68	8.62	1.123	ok	1.123	1.063-1.183
1,1,2,2-Tetrachloroethane	15.79	14.67	1.076	ok	1.077	1.017-1.137
1,1,2-Trichloroethane	12.62	10.44	1.209	ok	1.209	1.149-1.269
1,2,4-Trichlorobenzene	20.28	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	1.065	1.005-1.125
Tertiary Butyl Alcohol	6.60	8.62	0.766	ok	0.760	0.700-0.820
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	12.89	10.44	1.235	ok	1.234	1.174-1.294
Trichloroethylene	11.11	10.44	1.064	ok	1.065	1.005-1.125
Trichlorofluoromethane	5.80	8.62	0.673	ok	0.672	0.612-0.732
Vinyl chloride	4.44	8.62	0.515	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	15.27	14.67	1.041	ok	1.042	0.982-1.102
o-Xylene	15.77	14.67	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	8.62	ok	8.62	8.29-8.95	303253	ok	371623	222974-520272
1,4-Difluorobenzene	10.44	ok	10.44	10.11-10.77	1271837	ok	1631886	979132-2284640
Chlorobenzene-D5	14.67	ok	14.67	14.34-15.00	1022579	ok	1431182	858709-2003655

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64809
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ533-IC533	J10277.D	05/09/07 18:39	DFT	0.2	GCMSJ	TO-15	
MSJ533-IC533	J10278.D	05/09/07 19:29	DFT	0.5	GCMSJ	TO-15	
MSJ533-IC533	J10279.D	05/09/07 20:18	DFT	40	GCMSJ	TO-15	Reporting this level
MSJ533-IC533	J10280.D	05/09/07 21:05	DFT	20	GCMSJ	TO-15	
MSJ533-ICC533	J10281.D	05/09/07 21:52	DFT	10	GCMSJ	TO-15	
MSJ533-IC533	J10282.D	05/09/07 22:40	DFT	5	GCMSJ	TO-15	
MSJ533-IC533	J10283.D	05/09/07 23:27	DFT	2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.65	8.63	0.655	ok	0.657	0.597-0.717
1,3-Butadiene	4.58	8.63	0.531	ok	0.532	0.472-0.592
Benzene	10.13	10.45	0.969	ok	0.969	0.909-1.029
Bromodichloromethane	11.11	10.45	1.063	ok	1.062	1.002-1.122
Bromoform	15.42	14.68	1.050	ok	1.049	0.989-1.109
Bromomethane	4.86	8.63	0.563	ok	0.563	0.503-0.623
Bromoethene	5.38	8.63	0.623	ok	0.624	0.564-0.684
Benzyl Chloride	17.90	14.68	1.219	ok	1.219	1.159-1.279
Carbon disulfide	6.85	8.63	0.794	ok	0.794	0.734-0.854
Chlorobenzene	14.73	14.68	1.003	ok	1.003	0.943-1.063
Chloroethane	5.02	8.63	0.582	ok	0.583	0.523-0.643
Chloroform	8.76	8.63	1.015	ok	1.014	0.954-1.074
Chloromethane	4.23	8.63	0.490	ok	0.490	0.430-0.550
3-Chloropropene	6.66	8.63	0.772	ok	0.772	0.712-0.832
2-Chlorotoluene	17.00	14.68	1.158	ok	1.157	1.097-1.217
Carbon tetrachloride	10.26	8.63	1.189	ok	1.190	1.130-1.250
Cyclohexane	10.38	10.45	0.993	ok	0.993	0.933-1.053
1,1-Dichloroethane	7.66	8.63	0.888	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.43	8.63	0.745	ok	0.745	0.685-0.805
1,2-Dibromoethane	13.59	14.68	0.926	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.47	8.63	1.097	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.91	10.45	1.044	ok	1.044	0.984-1.104
1,4-Dioxane	11.18	10.45	1.070	ok	1.071	1.011-1.131
Dichlorodifluoromethane	4.06	8.63	0.470	ok	0.472	0.412-0.532
Dibromochloromethane	13.35	14.68	0.909	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	11.95	10.45	1.144	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.92	14.68	1.221	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.38	14.68	1.252	ok	1.252	1.192-1.312
p-Dichlorobenzene	17.99	14.68	1.225	ok	1.226	1.166-1.286
trans-1,3-Dichloropropene	12.46	10.45	1.192	ok	1.192	1.132-1.252
Ethanol	5.20	8.63	0.603	ok	0.604	0.544-0.664
Ethylbenzene	15.11	14.68	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.70	8.63	1.008	ok	1.009	0.949-1.069
4-Ethyltoluene	17.18	14.68	1.170	ok	1.170	1.110-1.230
Freon 113	6.79	8.63	0.787	ok	0.788	0.728-0.848
Freon 114	4.32	8.63	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	14.68	1.414	ok	1.415	1.355-1.475
Hexane	8.63	8.63	1.000	ok	1.001	0.941-1.061

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64809
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ533-IC533	J10277.D	05/09/07 18:39	DFT	0.2	GCMSJ	TO-15	
MSJ533-IC533	J10278.D	05/09/07 19:29	DFT	0.5	GCMSJ	TO-15	
MSJ533-IC533	J10279.D	05/09/07 20:18	DFT	40	GCMSJ	TO-15	Reporting this level
MSJ533-IC533	J10280.D	05/09/07 21:05	DFT	20	GCMSJ	TO-15	
MSJ533-ICC533	J10281.D	05/09/07 21:52	DFT	10	GCMSJ	TO-15	
MSJ533-IC533	J10282.D	05/09/07 22:40	DFT	5	GCMSJ	TO-15	
MSJ533-IC533	J10283.D	05/09/07 23:27	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	0.898	0.838-0.958
Isopropylbenzene	16.44	14.68	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.97	8.63	0.692	ok	0.692	0.632-0.752
Methylene chloride	6.55	8.63	0.759	ok	0.760	0.700-0.820
Methyl ethyl ketone	8.08	8.63	0.936	ok	0.937	0.877-0.997
Methyl Isobutyl Ketone	12.01	10.45	1.149	ok	1.149	1.089-1.209
Methyl Tert Butyl Ether	7.73	8.63	0.896	ok	0.897	0.837-0.957
Nonane	15.99	14.68	1.089	ok	1.089	1.029-1.149
Pentane	6.14	8.63	0.711	ok	0.712	0.652-0.772
Propylene	3.99	8.63	0.462	ok	0.463	0.403-0.523
Styrene	15.69	14.68	1.069	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.69	8.63	1.123	ok	1.123	1.063-1.183
1,1,2,2-Tetrachloroethane	15.82	14.68	1.078	ok	1.077	1.017-1.137
1,1,2-Trichloroethane	12.65	10.45	1.211	ok	1.209	1.149-1.269
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	11.13	10.45	1.065	ok	1.065	1.005-1.125
Tertiary Butyl Alcohol	6.57	8.63	0.761	ok	0.760	0.700-0.820
Tetrachloroethylene	14.02	14.68	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	9.18	8.63	1.064	ok	1.066	1.006-1.126
Toluene	12.90	10.45	1.234	ok	1.234	1.174-1.294
Trichloroethylene	11.13	10.45	1.065	ok	1.065	1.005-1.125
Trichlorofluoromethane	5.80	8.63	0.672	ok	0.672	0.612-0.732
Vinyl chloride	4.45	8.63	0.516	ok	0.516	0.456-0.576
Vinyl Acetate	7.81	8.63	0.905	ok	0.905	0.845-0.965
m,p-Xylene	15.29	14.68	1.042	ok	1.042	0.982-1.102
o-Xylene	15.80	14.68	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.63	ok	8.62	8.29-8.95	404357	ok	371623	222974-520272
1,4-Difluorobenzene	10.45	ok	10.44	10.11-10.77	1793963	ok	1631886	979132-2284640
Chlorobenzene-D5	14.68	ok	14.67	14.34-15.00	1690369	ok	1431182	858709-2003655

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64809
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ533-IC533	J10277.D	05/09/07 18:39	DFT	0.2	GCMSJ	TO-15	
MSJ533-IC533	J10278.D	05/09/07 19:29	DFT	0.5	GCMSJ	TO-15	
MSJ533-IC533	J10279.D	05/09/07 20:18	DFT	40	GCMSJ	TO-15	
MSJ533-IC533	J10280.D	05/09/07 21:05	DFT	20	GCMSJ	TO-15	Reporting this level
MSJ533-ICC533	J10281.D	05/09/07 21:52	DFT	10	GCMSJ	TO-15	
MSJ533-IC533	J10282.D	05/09/07 22:40	DFT	5	GCMSJ	TO-15	
MSJ533-IC533	J10283.D	05/09/07 23:27	DFT	2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.65	8.63	0.655	ok	0.657	0.597-0.717
1,3-Butadiene	4.59	8.63	0.532	ok	0.532	0.472-0.592
Benzene	10.13	10.45	0.969	ok	0.969	0.909-1.029
Bromodichloromethane	11.09	10.45	1.061	ok	1.062	1.002-1.122
Bromoform	15.41	14.68	1.050	ok	1.049	0.989-1.109
Bromomethane	4.86	8.63	0.563	ok	0.563	0.503-0.623
Bromoethene	5.39	8.63	0.625	ok	0.624	0.564-0.684
Benzyl Chloride	17.89	14.68	1.219	ok	1.219	1.159-1.279
Carbon disulfide	6.85	8.63	0.794	ok	0.794	0.734-0.854
Chlorobenzene	14.72	14.68	1.003	ok	1.003	0.943-1.063
Chloroethane	5.03	8.63	0.583	ok	0.583	0.523-0.643
Chloroform	8.75	8.63	1.014	ok	1.014	0.954-1.074
Chloromethane	4.23	8.63	0.490	ok	0.490	0.430-0.550
3-Chloropropene	6.66	8.63	0.772	ok	0.772	0.712-0.832
2-Chlorotoluene	16.99	14.68	1.157	ok	1.157	1.097-1.217
Carbon tetrachloride	10.26	8.63	1.189	ok	1.190	1.130-1.250
Cyclohexane	10.37	10.45	0.992	ok	0.993	0.933-1.053
1,1-Dichloroethane	7.66	8.63	0.888	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.43	8.63	0.745	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	9.46	8.63	1.096	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.90	10.45	1.043	ok	1.044	0.984-1.104
1,4-Dioxane	11.17	10.45	1.069	ok	1.071	1.011-1.131
Dichlorodifluoromethane	4.07	8.63	0.472	ok	0.472	0.412-0.532
Dibromochloromethane	13.33	14.68	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	11.94	10.45	1.143	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	10.45	1.191	ok	1.192	1.132-1.252
Ethanol	5.20	8.63	0.603	ok	0.604	0.544-0.664
Ethylbenzene	15.10	14.68	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.69	8.63	1.007	ok	1.009	0.949-1.069
4-Ethyltoluene	17.18	14.68	1.170	ok	1.170	1.110-1.230
Freon 113	6.79	8.63	0.787	ok	0.788	0.728-0.848
Freon 114	4.33	8.63	0.502	ok	0.501	0.441-0.561
Heptane	11.37	10.45	1.088	ok	1.088	1.028-1.148
Hexachlorobutadiene	20.77	14.68	1.415	ok	1.415	1.355-1.475
Hexane	8.64	8.63	1.001	ok	1.001	0.941-1.061

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64809
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ533-IC533	J10277.D	05/09/07 18:39	DFT	0.2	GCMSJ	TO-15	
MSJ533-IC533	J10278.D	05/09/07 19:29	DFT	0.5	GCMSJ	TO-15	
MSJ533-IC533	J10279.D	05/09/07 20:18	DFT	40	GCMSJ	TO-15	
MSJ533-IC533	J10280.D	05/09/07 21:05	DFT	20	GCMSJ	TO-15	Reporting this level
MSJ533-ICC533	J10281.D	05/09/07 21:52	DFT	10	GCMSJ	TO-15	
MSJ533-IC533	J10282.D	05/09/07 22:40	DFT	5	GCMSJ	TO-15	
MSJ533-IC533	J10283.D	05/09/07 23:27	DFT	2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.16	14.68	0.896	ok	0.898	0.838-0.958
Isopropylbenzene	16.43	14.68	1.119	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.94	8.63	0.688	ok	0.692	0.632-0.752
Methylene chloride	6.55	8.63	0.759	ok	0.760	0.700-0.820
Methyl ethyl ketone	8.07	8.63	0.935	ok	0.937	0.877-0.997
Methyl Isobutyl Ketone	11.99	10.45	1.147	ok	1.149	1.089-1.209
Methyl Tert Butyl Ether	7.73	8.63	0.896	ok	0.897	0.837-0.957
Nonane	15.98	14.68	1.089	ok	1.089	1.029-1.149
Pentane	6.14	8.63	0.711	ok	0.712	0.652-0.772
Propylene	3.99	8.63	0.462	ok	0.463	0.403-0.523
Styrene	15.68	14.68	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.69	8.63	1.123	ok	1.123	1.063-1.183
1,1,2,2-Tetrachloroethane	15.80	14.68	1.076	ok	1.077	1.017-1.137
1,1,2-Trichloroethane	12.63	10.45	1.209	ok	1.209	1.149-1.269
1,2,4-Trichlorobenzene	20.27	14.68	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	17.26	14.68	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.12	10.45	1.064	ok	1.065	1.005-1.125
Tertiary Butyl Alcohol	6.54	8.63	0.758	ok	0.760	0.700-0.820
Tetrachloroethylene	14.02	14.68	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	9.17	8.63	1.063	ok	1.066	1.006-1.126
Toluene	12.89	10.45	1.233	ok	1.234	1.174-1.294
Trichloroethylene	11.12	10.45	1.064	ok	1.065	1.005-1.125
Trichlorofluoromethane	5.79	8.63	0.671	ok	0.672	0.612-0.732
Vinyl chloride	4.45	8.63	0.516	ok	0.516	0.456-0.576
Vinyl Acetate	7.80	8.63	0.904	ok	0.905	0.845-0.965
m,p-Xylene	15.29	14.68	1.042	ok	1.042	0.982-1.102
o-Xylene	15.79	14.68	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.63	ok	8.62	8.29-8.95	404934	ok	371623	222974-520272
1,4-Difluorobenzene	10.45	ok	10.44	10.11-10.77	1815477	ok	1631886	979132-2284640
Chlorobenzene-D5	14.68	ok	14.67	14.34-15.00	1676330	ok	1431182	858709-2003655

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64809
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ533-IC533	J10277.D	05/09/07 18:39	DFT	0.2	GCMSJ	TO-15	
MSJ533-IC533	J10278.D	05/09/07 19:29	DFT	0.5	GCMSJ	TO-15	
MSJ533-IC533	J10279.D	05/09/07 20:18	DFT	40	GCMSJ	TO-15	
MSJ533-IC533	J10280.D	05/09/07 21:05	DFT	20	GCMSJ	TO-15	
MSJ533-ICC533	J10281.D	05/09/07 21:52	DFT	10	GCMSJ	TO-15	Reporting this level
MSJ533-IC533	J10282.D	05/09/07 22:40	DFT	5	GCMSJ	TO-15	
MSJ533-IC533	J10283.D	05/09/07 23:27	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	0.657	0.597-0.717
1,3-Butadiene	4.58	8.62	0.531	ok	0.532	0.472-0.592
Benzene	10.12	10.44	0.969	ok	0.969	0.909-1.029
Bromodichloromethane	11.09	10.44	1.062	ok	1.062	1.002-1.122
Bromoform	15.40	14.67	1.050	ok	1.049	0.989-1.109
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	6.85	8.62	0.795	ok	0.794	0.734-0.854
Chlorobenzene	14.72	14.67	1.003	ok	1.003	0.943-1.063
Chloroethane	5.03	8.62	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	0.490	0.430-0.550
3-Chloropropene	6.66	8.62	0.773	ok	0.772	0.712-0.832
2-Chlorotoluene	16.98	14.67	1.157	ok	1.157	1.097-1.217
Carbon tetrachloride	10.26	8.62	1.190	ok	1.190	1.130-1.250
Cyclohexane	10.37	10.44	0.993	ok	0.993	0.933-1.053
1,1-Dichloroethane	7.66	8.62	0.889	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.42	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	10.44	1.044	ok	1.044	0.984-1.104
1,4-Dioxane	11.17	10.44	1.070	ok	1.071	1.011-1.131
Dichlorodifluoromethane	4.06	8.62	0.471	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	7.45	8.62	0.864	ok	0.865	0.805-0.925
cis-1,2-Dichloroethylene	8.46	8.62	0.981	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.94	10.44	1.144	ok	1.144	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	17.98	14.67	1.226	ok	1.226	1.166-1.286
trans-1,3-Dichloropropene	12.44	10.44	1.192	ok	1.192	1.132-1.252
Ethanol	5.21	8.62	0.604	ok	0.604	0.544-0.664
Ethylbenzene	15.09	14.67	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.69	8.62	1.008	ok	1.009	0.949-1.069
4-Ethyltoluene	17.17	14.67	1.170	ok	1.170	1.110-1.230
Freon 113	6.79	8.62	0.788	ok	0.788	0.728-0.848
Freon 114	4.32	8.62	0.501	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: M64809
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ533-IC533	J10277.D	05/09/07 18:39	DFT	0.2	GCMSJ	TO-15	
MSJ533-IC533	J10278.D	05/09/07 19:29	DFT	0.5	GCMSJ	TO-15	
MSJ533-IC533	J10279.D	05/09/07 20:18	DFT	40	GCMSJ	TO-15	
MSJ533-IC533	J10280.D	05/09/07 21:05	DFT	20	GCMSJ	TO-15	
MSJ533-ICC533	J10281.D	05/09/07 21:52	DFT	10	GCMSJ	TO-15	Reporting this level
MSJ533-IC533	J10282.D	05/09/07 22:40	DFT	5	GCMSJ	TO-15	
MSJ533-IC533	J10283.D	05/09/07 23:27	DFT	2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.16	14.67	0.897	ok	0.898	0.838-0.958
Isopropylbenzene	16.43	14.67	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.92	8.62	0.687	ok	0.692	0.632-0.752
Methylene chloride	6.55	8.62	0.760	ok	0.760	0.700-0.820
Methyl ethyl ketone	8.07	8.62	0.936	ok	0.937	0.877-0.997
Methyl Isobutyl Ketone	11.99	10.44	1.148	ok	1.149	1.089-1.209
Methyl Tert Butyl Ether	7.73	8.62	0.897	ok	0.897	0.837-0.957
Nonane	15.97	14.67	1.089	ok	1.089	1.029-1.149
Pentane	6.14	8.62	0.712	ok	0.712	0.652-0.772
Propylene	3.99	8.62	0.463	ok	0.463	0.403-0.523
Styrene	15.67	14.67	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.68	8.62	1.123	ok	1.123	1.063-1.183
1,1,2,2-Tetrachloroethane	15.79	14.67	1.076	ok	1.077	1.017-1.137
1,1,2-Trichloroethane	12.62	10.44	1.209	ok	1.209	1.149-1.269
1,2,4-Trichlorobenzene	20.27	14.67	1.382	ok	1.382	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	10.44	1.065	ok	1.065	1.005-1.125
Tertiary Butyl Alcohol	6.53	8.62	0.758	ok	0.760	0.700-0.820
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	12.89	10.44	1.235	ok	1.234	1.174-1.294
Trichloroethylene	11.12	10.44	1.065	ok	1.065	1.005-1.125
Trichlorofluoromethane	5.79	8.62	0.672	ok	0.672	0.612-0.732
Vinyl chloride	4.45	8.62	0.516	ok	0.516	0.456-0.576
Vinyl Acetate	7.80	8.62	0.905	ok	0.905	0.845-0.965
m,p-Xylene	15.29	14.67	1.042	ok	1.042	0.982-1.102
o-Xylene	15.79	14.67	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.62	ok	8.62	8.29-8.95	412358	ok	371623	222974-520272
1,4-Difluorobenzene	10.44	ok	10.44	10.11-10.77	1821050	ok	1631886	979132-2284640
Chlorobenzene-D5	14.67	ok	14.67	14.34-15.00	1621470	ok	1431182	858709-2003655

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64809
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ533-IC533	J10277.D	05/09/07 18:39	DFT	0.2	GCMSJ	TO-15	
MSJ533-IC533	J10278.D	05/09/07 19:29	DFT	0.5	GCMSJ	TO-15	
MSJ533-IC533	J10279.D	05/09/07 20:18	DFT	40	GCMSJ	TO-15	
MSJ533-IC533	J10280.D	05/09/07 21:05	DFT	20	GCMSJ	TO-15	
MSJ533-ICC533	J10281.D	05/09/07 21:52	DFT	10	GCMSJ	TO-15	
MSJ533-IC533	J10282.D	05/09/07 22:40	DFT	5	GCMSJ	TO-15	Reporting this level
MSJ533-IC533	J10283.D	05/09/07 23:27	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	0.657	0.597-0.717
1,3-Butadiene	4.58	8.62	0.531	ok	0.532	0.472-0.592
Benzene	10.12	10.44	0.969	ok	0.969	0.909-1.029
Bromodichloromethane	11.08	10.44	1.061	ok	1.062	1.002-1.122
Bromoform	15.39	14.67	1.049	ok	1.049	0.989-1.109
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	14.72	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	0.490	0.430-0.550
3-Chloropropene	6.66	8.62	0.773	ok	0.772	0.712-0.832
2-Chlorotoluene	16.98	14.67	1.157	ok	1.157	1.097-1.217
Carbon tetrachloride	10.26	8.62	1.190	ok	1.190	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	0.888	0.828-0.948
1,1-Dichloroethylene	6.43	8.62	0.746	ok	0.745	0.685-0.805
1,2-Dibromoethane	13.57	14.67	0.925	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.45	8.62	1.096	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.90	10.44	1.044	ok	1.044	0.984-1.104
1,4-Dioxane	11.18	10.44	1.071	ok	1.071	1.011-1.131
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	7.46	8.62	0.865	ok	0.865	0.805-0.925
cis-1,2-Dichloroethylene	8.46	8.62	0.981	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.94	10.44	1.144	ok	1.144	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	1.192	1.132-1.252
Ethanol	5.20	8.62	0.603	ok	0.604	0.544-0.664
Ethylbenzene	15.09	14.67	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.69	8.62	1.008	ok	1.009	0.949-1.069
4-Ethyltoluene	17.17	14.67	1.170	ok	1.170	1.110-1.230
Freon 113	6.79	8.62	0.788	ok	0.788	0.728-0.848
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: M64809
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ533-IC533	J10277.D	05/09/07 18:39	DFT	0.2	GCMSJ	TO-15	
MSJ533-IC533	J10278.D	05/09/07 19:29	DFT	0.5	GCMSJ	TO-15	
MSJ533-IC533	J10279.D	05/09/07 20:18	DFT	40	GCMSJ	TO-15	
MSJ533-IC533	J10280.D	05/09/07 21:05	DFT	20	GCMSJ	TO-15	
MSJ533-ICC533	J10281.D	05/09/07 21:52	DFT	10	GCMSJ	TO-15	
MSJ533-IC533	J10282.D	05/09/07 22:40	DFT	5	GCMSJ	TO-15	Reporting this level
MSJ533-IC533	J10283.D	05/09/07 23:27	DFT	2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.16	14.67	0.897	ok	0.898	0.838-0.958
Isopropylbenzene	16.42	14.67	1.119	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.93	8.62	0.688	ok	0.692	0.632-0.752
Methylene chloride	6.55	8.62	0.760	ok	0.760	0.700-0.820
Methyl ethyl ketone	8.07	8.62	0.936	ok	0.937	0.877-0.997
Methyl Isobutyl Ketone	11.99	10.44	1.148	ok	1.149	1.089-1.209
Methyl Tert Butyl Ether	7.73	8.62	0.897	ok	0.897	0.837-0.957
Nonane	15.97	14.67	1.089	ok	1.089	1.029-1.149
Pentane	6.14	8.62	0.712	ok	0.712	0.652-0.772
Propylene	4.00	8.62	0.464	ok	0.463	0.403-0.523
Styrene	15.66	14.67	1.067	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.68	8.62	1.123	ok	1.123	1.063-1.183
1,1,2,2-Tetrachloroethane	15.79	14.67	1.076	ok	1.077	1.017-1.137
1,1,2-Trichloroethane	12.62	10.44	1.209	ok	1.209	1.149-1.269
1,2,4-Trichlorobenzene	20.27	14.67	1.382	ok	1.382	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	1.065	1.005-1.125
Tertiary Butyl Alcohol	6.53	8.62	0.758	ok	0.760	0.700-0.820
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	10.44	1.234	ok	1.234	1.174-1.294
Trichloroethylene	11.12	10.44	1.065	ok	1.065	1.005-1.125
Trichlorofluoromethane	5.80	8.62	0.673	ok	0.672	0.612-0.732
Vinyl chloride	4.45	8.62	0.516	ok	0.516	0.456-0.576
Vinyl Acetate	7.80	8.62	0.905	ok	0.905	0.845-0.965
m,p-Xylene	15.27	14.67	1.041	ok	1.042	0.982-1.102
o-Xylene	15.78	14.67	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.62	ok	8.62	8.29-8.95	366773	ok	371623	222974-520272
1,4-Difluorobenzene	10.44	ok	10.44	10.11-10.77	1563527	ok	1631886	979132-2284640
Chlorobenzene-D5	14.67	ok	14.67	14.34-15.00	1351983	ok	1431182	858709-2003655

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64809
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ533-IC533	J10277.D	05/09/07 18:39	DFT	0.2	GCMSJ	TO-15	
MSJ533-IC533	J10278.D	05/09/07 19:29	DFT	0.5	GCMSJ	TO-15	
MSJ533-IC533	J10279.D	05/09/07 20:18	DFT	40	GCMSJ	TO-15	
MSJ533-IC533	J10280.D	05/09/07 21:05	DFT	20	GCMSJ	TO-15	
MSJ533-ICC533	J10281.D	05/09/07 21:52	DFT	10	GCMSJ	TO-15	
MSJ533-IC533	J10282.D	05/09/07 22:40	DFT	5	GCMSJ	TO-15	
MSJ533-IC533	J10283.D	05/09/07 23:27	DFT	2	GCMSJ	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.67	8.62	0.658	ok	0.657	0.597-0.717
1,3-Butadiene	4.59	8.62	0.532	ok	0.532	0.472-0.592
Benzene	10.12	10.44	0.969	ok	0.969	0.909-1.029
Bromodichloromethane	11.08	10.44	1.061	ok	1.062	1.002-1.122
Bromoform	15.39	14.67	1.049	ok	1.049	0.989-1.109
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	6.85	8.62	0.795	ok	0.794	0.734-0.854
Chlorobenzene	14.72	14.67	1.003	ok	1.003	0.943-1.063
Chloroethane	5.03	8.62	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	0.490	0.430-0.550
3-Chloropropene	6.67	8.62	0.774	ok	0.772	0.712-0.832
2-Chlorotoluene	16.98	14.67	1.157	ok	1.157	1.097-1.217
Carbon tetrachloride	10.26	8.62	1.190	ok	1.190	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	0.888	0.828-0.948
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	10.44	1.044	ok	1.044	0.984-1.104
1,4-Dioxane	11.20	10.44	1.073	ok	1.071	1.011-1.131
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	7.46	8.62	0.865	ok	0.865	0.805-0.925
cis-1,2-Dichloroethylene	8.46	8.62	0.981	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.93	10.44	1.143	ok	1.144	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	1.192	1.132-1.252
Ethanol	5.22	8.62	0.606	ok	0.604	0.544-0.664
Ethylbenzene	15.09	14.67	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.70	8.62	1.009	ok	1.009	0.949-1.069
4-Ethyltoluene	17.17	14.67	1.170	ok	1.170	1.110-1.230
Freon 113	6.80	8.62	0.789	ok	0.788	0.728-0.848
Freon 114	4.32	8.62	0.501	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: M64809
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ533-IC533	J10277.D	05/09/07 18:39	DFT	0.2	GCMSJ	TO-15	
MSJ533-IC533	J10278.D	05/09/07 19:29	DFT	0.5	GCMSJ	TO-15	
MSJ533-IC533	J10279.D	05/09/07 20:18	DFT	40	GCMSJ	TO-15	
MSJ533-IC533	J10280.D	05/09/07 21:05	DFT	20	GCMSJ	TO-15	
MSJ533-ICC533	J10281.D	05/09/07 21:52	DFT	10	GCMSJ	TO-15	
MSJ533-IC533	J10282.D	05/09/07 22:40	DFT	5	GCMSJ	TO-15	
MSJ533-IC533	J10283.D	05/09/07 23:27	DFT	2	GCMSJ	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.18	14.67	0.898	ok	0.898	0.838-0.958
Isopropylbenzene	16.42	14.67	1.119	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.95	8.62	0.690	ok	0.692	0.632-0.752
Methylene chloride	6.55	8.62	0.760	ok	0.760	0.700-0.820
Methyl ethyl ketone	8.08	8.62	0.937	ok	0.937	0.877-0.997
Methyl Isobutyl Ketone	12.00	10.44	1.149	ok	1.149	1.089-1.209
Methyl Tert Butyl Ether	7.74	8.62	0.898	ok	0.897	0.837-0.957
Nonane	15.97	14.67	1.089	ok	1.089	1.029-1.149
Pentane	6.14	8.62	0.712	ok	0.712	0.652-0.772
Propylene	3.99	8.62	0.463	ok	0.463	0.403-0.523
Styrene	15.67	14.67	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.68	8.62	1.123	ok	1.123	1.063-1.183
1,1,2,2-Tetrachloroethane	15.79	14.67	1.076	ok	1.077	1.017-1.137
1,1,2-Trichloroethane	12.62	10.44	1.209	ok	1.209	1.149-1.269
1,2,4-Trichlorobenzene	20.27	14.67	1.382	ok	1.382	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	1.065	1.005-1.125
Tertiary Butyl Alcohol	6.56	8.62	0.761	ok	0.760	0.700-0.820
Tetrachloroethylene	14.01	14.67	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	9.20	8.62	1.067	ok	1.066	1.006-1.126
Toluene	12.89	10.44	1.235	ok	1.234	1.174-1.294
Trichloroethylene	11.11	10.44	1.064	ok	1.065	1.005-1.125
Trichlorofluoromethane	5.80	8.62	0.673	ok	0.672	0.612-0.732
Vinyl chloride	4.44	8.62	0.515	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	15.28	14.67	1.042	ok	1.042	0.982-1.102
o-Xylene	15.78	14.67	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.62	ok	8.62	8.29-8.95	364997	ok	371623	222974-520272
1,4-Difluorobenzene	10.44	ok	10.44	10.11-10.77	1696449	ok	1631886	979132-2284640
Chlorobenzene-D5	14.67	ok	14.67	14.34-15.00	1441208	ok	1431182	858709-2003655

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64809
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ180-IC180	Q3333.D	05/03/07 17:52	PB	40	GCMSQ	TO-15	Reporting this level
MSQ180-IC180	Q3334.D	05/04/07 09:46	PB	20	GCMSQ	TO-15	
MSQ180-ICC180	Q3335.D	05/04/07 10:27	PB	10	GCMSQ	TO-15	
MSQ180-IC180	Q3336.D	05/04/07 11:06	PB	5	GCMSQ	TO-15	
MSQ180-IC180	Q3337.D	05/04/07 12:03	PB	2	GCMSQ	TO-15	
MSQ180-IC180	Q3338.D	05/04/07 12:52	PB	.5	GCMSQ	TO-15	
MSQ180-IC180	Q3339.D	05/04/07 14:01	PB	.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.60	8.65	0.647	ok	0.649	0.589-0.709
1,3-Butadiene	4.56	8.65	0.527	ok	0.528	0.468-0.588
Benzene	10.17	10.48	0.970	ok	0.971	0.911-1.031
Bromodichloromethane	11.13	10.48	1.062	ok	1.062	1.002-1.122
Bromoform	15.45	14.72	1.050	ok	1.049	0.989-1.109
Bromomethane	4.84	8.65	0.560	ok	0.560	0.500-0.620
Bromoethene	5.38	8.65	0.622	ok	0.622	0.562-0.682
Benzyl Chloride	17.94	14.72	1.219	ok	1.218	1.158-1.278
Carbon disulfide	6.87	8.65	0.794	ok	0.795	0.735-0.855
Chlorobenzene	14.77	14.72	1.003	ok	1.003	0.943-1.063
Chloroethane	5.02	8.65	0.580	ok	0.580	0.520-0.640
Chloroform	8.77	8.65	1.014	ok	1.014	0.954-1.074
Chloromethane	4.20	8.65	0.486	ok	0.486	0.426-0.546
3-Chloropropene	6.67	8.65	0.771	ok	0.772	0.712-0.832
2-Chlorotoluene	17.04	14.72	1.158	ok	1.157	1.097-1.217
Carbon tetrachloride	10.31	8.65	1.192	ok	1.192	1.132-1.252
Cyclohexane	10.43	10.48	0.995	ok	0.996	0.936-1.056
1,1-Dichloroethane	7.68	8.65	0.888	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.44	8.65	0.745	ok	0.745	0.685-0.805
1,2-Dibromoethane	13.62	14.72	0.925	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.48	8.65	1.096	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.94	10.48	1.044	ok	1.045	0.985-1.105
1,4-Dioxane	11.14	10.48	1.063	ok	1.064	1.004-1.124
Dichlorodifluoromethane	4.04	8.65	0.467	ok	0.468	0.408-0.528
Dibromochloromethane	13.37	14.72	0.908	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.48	8.65	0.865	ok	0.865	0.805-0.925
cis-1,2-Dichloroethylene	8.49	8.65	0.982	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.98	10.48	1.143	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.96	14.72	1.220	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.42	14.72	1.251	ok	1.251	1.191-1.311
p-Dichlorobenzene	18.03	14.72	1.225	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.48	10.48	1.191	ok	1.192	1.132-1.252
Ethanol	5.11	8.65	0.591	ok	0.591	0.531-0.651
Ethylbenzene	15.15	14.72	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.68	8.65	1.003	ok	1.004	0.944-1.064
4-Ethyltoluene	17.23	14.72	1.171	ok	1.170	1.110-1.230
Freon 113	6.81	8.65	0.787	ok	0.788	0.728-0.848
Freon 114	4.31	8.65	0.498	ok	0.498	0.438-0.558
Heptane	11.43	10.48	1.091	ok	1.091	1.031-1.151
Hexachlorobutadiene	20.62	14.72	1.401	ok	1.412	1.352-1.472
Hexane	8.68	8.65	1.003	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64809
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ180-IC180	Q3333.D	05/03/07 17:52	PB	40	GCMSQ	TO-15	Reporting this level
MSQ180-IC180	Q3334.D	05/04/07 09:46	PB	20	GCMSQ	TO-15	
MSQ180-ICC180	Q3335.D	05/04/07 10:27	PB	10	GCMSQ	TO-15	
MSQ180-IC180	Q3336.D	05/04/07 11:06	PB	5	GCMSQ	TO-15	
MSQ180-IC180	Q3337.D	05/04/07 12:03	PB	2	GCMSQ	TO-15	
MSQ180-IC180	Q3338.D	05/04/07 12:52	PB	.5	GCMSQ	TO-15	
MSQ180-IC180	Q3339.D	05/04/07 14:01	PB	.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.16	14.72	0.894	ok	0.894	0.834-0.954
Isopropylbenzene	16.49	14.72	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.84	8.65	0.675	ok	0.675	0.615-0.735
Methylene chloride	6.55	8.65	0.757	ok	0.758	0.698-0.818
Methyl ethyl ketone	8.04	8.65	0.929	ok	0.931	0.871-0.991
Methyl Isobutyl Ketone	11.99	10.48	1.144	ok	1.145	1.085-1.205
Methyl Tert Butyl Ether	7.72	8.65	0.892	ok	0.893	0.833-0.953
Nonane	16.05	14.72	1.090	ok	1.090	1.030-1.150
Pentane	6.16	8.65	0.712	ok	0.712	0.652-0.772
Propylene	3.97	8.65	0.459	ok	0.459	0.399-0.519
Styrene	15.73	14.72	1.069	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.72	8.65	1.124	ok	1.124	1.064-1.184
1,1,2,2-Tetrachloroethane	15.84	14.72	1.076	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	12.66	10.48	1.208	ok	1.209	1.149-1.269
1,2,4-Trichlorobenzene	20.32	14.72	1.380	ok	1.381	1.321-1.441
1,2,4-Trimethylbenzene	17.78	14.72	1.208	ok	1.207	1.147-1.267
1,3,5-Trimethylbenzene	17.31	14.72	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.19	10.48	1.068	ok	1.068	1.008-1.128
Tertiary Butyl Alcohol	6.44	8.65	0.745	ok	0.746	0.686-0.806
Tetrachloroethylene	14.08	14.72	0.957	ok	0.956	0.896-1.016
Tetrahydrofuran	9.14	8.65	1.057	ok	1.059	0.999-1.119
Toluene	12.94	10.48	1.235	ok	1.236	1.176-1.296
Trichloroethylene	11.16	10.48	1.065	ok	1.066	1.006-1.126
Trichlorofluoromethane	5.80	8.65	0.671	ok	0.671	0.611-0.731
Vinyl chloride	4.43	8.65	0.512	ok	0.512	0.452-0.572
Vinyl Acetate	7.80	8.65	0.902	ok	0.902	0.842-0.962
m,p-Xylene	15.35	14.72	1.043	ok	1.042	0.982-1.102
o-Xylene	15.85	14.72	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	8.65	ok	8.64	8.31-8.97	162299	ok	168139	100883-235395
1,4-Difluorobenzene	10.48	ok	10.47	10.14-10.80	778867	ok	784030	470418-1097642
Chlorobenzene-D5	14.72	ok	14.72	14.39-15.05	670528	ok	648414	389048-907780

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64809
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ180-IC180	Q3333.D	05/03/07 17:52	PB	40	GCMSQ	TO-15	
MSQ180-IC180	Q3334.D	05/04/07 09:46	PB	20	GCMSQ	TO-15	Reporting this level
MSQ180-ICC180	Q3335.D	05/04/07 10:27	PB	10	GCMSQ	TO-15	
MSQ180-IC180	Q3336.D	05/04/07 11:06	PB	5	GCMSQ	TO-15	
MSQ180-IC180	Q3337.D	05/04/07 12:03	PB	2	GCMSQ	TO-15	
MSQ180-IC180	Q3338.D	05/04/07 12:52	PB	.5	GCMSQ	TO-15	
MSQ180-IC180	Q3339.D	05/04/07 14:01	PB	.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	4.57	8.64	0.529	ok	0.528	0.468-0.588
Benzene	10.16	10.47	0.970	ok	0.971	0.911-1.031
Bromodichloromethane	11.12	10.47	1.062	ok	1.062	1.002-1.122
Bromoform	15.44	14.72	1.049	ok	1.049	0.989-1.109
Bromomethane	4.85	8.64	0.561	ok	0.560	0.500-0.620
Bromoethene	5.38	8.64	0.623	ok	0.622	0.562-0.682
Benzyl Chloride	17.93	14.72	1.218	ok	1.218	1.158-1.278
Carbon disulfide	6.87	8.64	0.795	ok	0.795	0.735-0.855
Chlorobenzene	14.77	14.72	1.003	ok	1.003	0.943-1.063
Chloroethane	5.02	8.64	0.581	ok	0.580	0.520-0.640
Chloroform	8.76	8.64	1.014	ok	1.014	0.954-1.074
Chloromethane	4.21	8.64	0.487	ok	0.486	0.426-0.546
3-Chloropropene	6.67	8.64	0.772	ok	0.772	0.712-0.832
2-Chlorotoluene	17.04	14.72	1.158	ok	1.157	1.097-1.217
Carbon tetrachloride	10.31	8.64	1.193	ok	1.192	1.132-1.252
Cyclohexane	10.43	10.47	0.996	ok	0.996	0.936-1.056
1,1-Dichloroethane	7.68	8.64	0.889	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.44	8.64	0.745	ok	0.745	0.685-0.805
1,2-Dibromoethane	13.62	14.72	0.925	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.48	8.64	1.097	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.94	10.47	1.045	ok	1.045	0.985-1.105
1,4-Dioxane	11.14	10.47	1.064	ok	1.064	1.004-1.124
Dichlorodifluoromethane	4.05	8.64	0.469	ok	0.468	0.408-0.528
Dibromochloromethane	13.37	14.72	0.908	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.48	8.64	0.866	ok	0.865	0.805-0.925
cis-1,2-Dichloroethylene	8.49	8.64	0.983	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.98	10.47	1.144	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.96	14.72	1.220	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.42	14.72	1.251	ok	1.251	1.191-1.311
p-Dichlorobenzene	18.03	14.72	1.225	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.47	10.47	1.191	ok	1.192	1.132-1.252
Ethanol	5.11	8.64	0.591	ok	0.591	0.531-0.651
Ethylbenzene	15.14	14.72	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.67	8.64	1.003	ok	1.004	0.944-1.064
4-Ethyltoluene	17.23	14.72	1.171	ok	1.170	1.110-1.230
Freon 113	6.82	8.64	0.789	ok	0.788	0.728-0.848
Freon 114	4.31	8.64	0.499	ok	0.498	0.438-0.558
Heptane	11.42	10.47	1.091	ok	1.091	1.031-1.151
Hexachlorobutadiene	20.81	14.72	1.414	ok	1.412	1.352-1.472
Hexane	8.68	8.64	1.005	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64809
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ180-IC180	Q3333.D	05/03/07 17:52	PB	40	GCMSQ	TO-15	
MSQ180-IC180	Q3334.D	05/04/07 09:46	PB	20	GCMSQ	TO-15	Reporting this level
MSQ180-ICC180	Q3335.D	05/04/07 10:27	PB	10	GCMSQ	TO-15	
MSQ180-IC180	Q3336.D	05/04/07 11:06	PB	5	GCMSQ	TO-15	
MSQ180-IC180	Q3337.D	05/04/07 12:03	PB	2	GCMSQ	TO-15	
MSQ180-IC180	Q3338.D	05/04/07 12:52	PB	.5	GCMSQ	TO-15	
MSQ180-IC180	Q3339.D	05/04/07 14:01	PB	.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.15	14.72	0.893	ok	0.894	0.834-0.954
Isopropylbenzene	16.49	14.72	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.83	8.64	0.675	ok	0.675	0.615-0.735
Methylene chloride	6.55	8.64	0.758	ok	0.758	0.698-0.818
Methyl ethyl ketone	8.04	8.64	0.931	ok	0.931	0.871-0.991
Methyl Isobutyl Ketone	11.99	10.47	1.145	ok	1.145	1.085-1.205
Methyl Tert Butyl Ether	7.72	8.64	0.894	ok	0.893	0.833-0.953
Nonane	16.04	14.72	1.090	ok	1.090	1.030-1.150
Pentane	6.16	8.64	0.713	ok	0.712	0.652-0.772
Propylene	3.97	8.64	0.459	ok	0.459	0.399-0.519
Styrene	15.72	14.72	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.72	8.64	1.125	ok	1.124	1.064-1.184
1,1,2,2-Tetrachloroethane	15.83	14.72	1.075	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	12.66	10.47	1.209	ok	1.209	1.149-1.269
1,2,4-Trichlorobenzene	20.32	14.72	1.380	ok	1.381	1.321-1.441
1,2,4-Trimethylbenzene	17.78	14.72	1.208	ok	1.207	1.147-1.267
1,3,5-Trimethylbenzene	17.31	14.72	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.18	10.47	1.068	ok	1.068	1.008-1.128
Tertiary Butyl Alcohol	6.43	8.64	0.744	ok	0.746	0.686-0.806
Tetrachloroethylene	14.07	14.72	0.956	ok	0.956	0.896-1.016
Tetrahydrofuran	9.15	8.64	1.059	ok	1.059	0.999-1.119
Toluene	12.94	10.47	1.236	ok	1.236	1.176-1.296
Trichloroethylene	11.16	10.47	1.066	ok	1.066	1.006-1.126
Trichlorofluoromethane	5.80	8.64	0.671	ok	0.671	0.611-0.731
Vinyl chloride	4.43	8.64	0.513	ok	0.512	0.452-0.572
Vinyl Acetate	7.80	8.64	0.903	ok	0.902	0.842-0.962
m,p-Xylene	15.34	14.72	1.042	ok	1.042	0.982-1.102
o-Xylene	15.84	14.72	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.64	ok	8.64	8.31-8.97	162679	ok	168139	100883-235395
1,4-Difluorobenzene	10.47	ok	10.47	10.14-10.80	808573	ok	784030	470418-1097642
Chlorobenzene-D5	14.72	ok	14.72	14.39-15.05	666530	ok	648414	389048-907780

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64809
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ180-IC180	Q3333.D	05/03/07 17:52	PB	40	GCMSQ	TO-15	
MSQ180-IC180	Q3334.D	05/04/07 09:46	PB	20	GCMSQ	TO-15	
MSQ180-ICC180	Q3335.D	05/04/07 10:27	PB	10	GCMSQ	TO-15	Reporting this level
MSQ180-IC180	Q3336.D	05/04/07 11:06	PB	5	GCMSQ	TO-15	
MSQ180-IC180	Q3337.D	05/04/07 12:03	PB	2	GCMSQ	TO-15	
MSQ180-IC180	Q3338.D	05/04/07 12:52	PB	.5	GCMSQ	TO-15	
MSQ180-IC180	Q3339.D	05/04/07 14:01	PB	.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.60	8.64	0.648	ok	0.649	0.589-0.709
1,3-Butadiene	4.56	8.64	0.528	ok	0.528	0.468-0.588
Benzene	10.16	10.47	0.970	ok	0.971	0.911-1.031
Bromodichloromethane	11.12	10.47	1.062	ok	1.062	1.002-1.122
Bromoform	15.44	14.72	1.049	ok	1.049	0.989-1.109
Bromomethane	4.84	8.64	0.560	ok	0.560	0.500-0.620
Bromoethene	5.37	8.64	0.622	ok	0.622	0.562-0.682
Benzyl Chloride	17.94	14.72	1.219	ok	1.218	1.158-1.278
Carbon disulfide	6.87	8.64	0.795	ok	0.795	0.735-0.855
Chlorobenzene	14.77	14.72	1.003	ok	1.003	0.943-1.063
Chloroethane	5.01	8.64	0.580	ok	0.580	0.520-0.640
Chloroform	8.76	8.64	1.014	ok	1.014	0.954-1.074
Chloromethane	4.21	8.64	0.487	ok	0.486	0.426-0.546
3-Chloropropene	6.67	8.64	0.772	ok	0.772	0.712-0.832
2-Chlorotoluene	17.04	14.72	1.158	ok	1.157	1.097-1.217
Carbon tetrachloride	10.30	8.64	1.192	ok	1.192	1.132-1.252
Cyclohexane	10.43	10.47	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	0.745	0.685-0.805
1,2-Dibromoethane	13.62	14.72	0.925	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.47	8.64	1.096	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.94	10.47	1.045	ok	1.045	0.985-1.105
1,4-Dioxane	11.15	10.47	1.065	ok	1.064	1.004-1.124
Dichlorodifluoromethane	4.04	8.64	0.468	ok	0.468	0.408-0.528
Dibromochloromethane	13.37	14.72	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	8.48	8.64	0.981	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.98	10.47	1.144	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.96	14.72	1.220	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.42	14.72	1.251	ok	1.251	1.191-1.311
p-Dichlorobenzene	18.03	14.72	1.225	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.48	10.47	1.192	ok	1.192	1.132-1.252
Ethanol	5.10	8.64	0.590	ok	0.591	0.531-0.651
Ethylbenzene	15.15	14.72	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.67	8.64	1.003	ok	1.004	0.944-1.064
4-Ethyltoluene	17.23	14.72	1.171	ok	1.170	1.110-1.230
Freon 113	6.81	8.64	0.788	ok	0.788	0.728-0.848
Freon 114	4.30	8.64	0.498	ok	0.498	0.438-0.558
Heptane	11.42	10.47	1.091	ok	1.091	1.031-1.151
Hexachlorobutadiene	20.81	14.72	1.414	ok	1.412	1.352-1.472
Hexane	8.67	8.64	1.003	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64809
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ180-IC180	Q3333.D	05/03/07 17:52	PB	40	GCMSQ	TO-15	
MSQ180-IC180	Q3334.D	05/04/07 09:46	PB	20	GCMSQ	TO-15	
MSQ180-ICC180	Q3335.D	05/04/07 10:27	PB	10	GCMSQ	TO-15	Reporting this level
MSQ180-IC180	Q3336.D	05/04/07 11:06	PB	5	GCMSQ	TO-15	
MSQ180-IC180	Q3337.D	05/04/07 12:03	PB	2	GCMSQ	TO-15	
MSQ180-IC180	Q3338.D	05/04/07 12:52	PB	.5	GCMSQ	TO-15	
MSQ180-IC180	Q3339.D	05/04/07 14:01	PB	.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.16	14.72	0.894	ok	0.894	0.834-0.954
Isopropylbenzene	16.49	14.72	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.83	8.64	0.675	ok	0.675	0.615-0.735
Methylene chloride	6.55	8.64	0.758	ok	0.758	0.698-0.818
Methyl ethyl ketone	8.04	8.64	0.931	ok	0.931	0.871-0.991
Methyl Isobutyl Ketone	11.99	10.47	1.145	ok	1.145	1.085-1.205
Methyl Tert Butyl Ether	7.72	8.64	0.894	ok	0.893	0.833-0.953
Nonane	16.04	14.72	1.090	ok	1.090	1.030-1.150
Pentane	6.15	8.64	0.712	ok	0.712	0.652-0.772
Propylene	3.97	8.64	0.459	ok	0.459	0.399-0.519
Styrene	15.72	14.72	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.72	8.64	1.125	ok	1.124	1.064-1.184
1,1,2,2-Tetrachloroethane	15.83	14.72	1.075	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	12.66	10.47	1.209	ok	1.209	1.149-1.269
1,2,4-Trichlorobenzene	20.32	14.72	1.380	ok	1.381	1.321-1.441
1,2,4-Trimethylbenzene	17.77	14.72	1.207	ok	1.207	1.147-1.267
1,3,5-Trimethylbenzene	17.31	14.72	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.18	10.47	1.068	ok	1.068	1.008-1.128
Tertiary Butyl Alcohol	6.44	8.64	0.745	ok	0.746	0.686-0.806
Tetrachloroethylene	14.07	14.72	0.956	ok	0.956	0.896-1.016
Tetrahydrofuran	9.15	8.64	1.059	ok	1.059	0.999-1.119
Toluene	12.94	10.47	1.236	ok	1.236	1.176-1.296
Trichloroethylene	11.16	10.47	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	4.43	8.64	0.513	ok	0.512	0.452-0.572
Vinyl Acetate	7.80	8.64	0.903	ok	0.902	0.842-0.962
m,p-Xylene	15.34	14.72	1.042	ok	1.042	0.982-1.102
o-Xylene	15.84	14.72	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.64	ok	8.64	8.31-8.97	171906	ok	168139	100883-235395
1,4-Difluorobenzene	10.47	ok	10.47	10.14-10.80	752712	ok	784030	470418-1097642
Chlorobenzene-D5	14.72	ok	14.72	14.39-15.05	644263	ok	648414	389048-907780

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64809
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ180-IC180	Q3333.D	05/03/07 17:52	PB	40	GCMSQ	TO-15	
MSQ180-IC180	Q3334.D	05/04/07 09:46	PB	20	GCMSQ	TO-15	
MSQ180-ICC180	Q3335.D	05/04/07 10:27	PB	10	GCMSQ	TO-15	
MSQ180-IC180	Q3336.D	05/04/07 11:06	PB	5	GCMSQ	TO-15	Reporting this level
MSQ180-IC180	Q3337.D	05/04/07 12:03	PB	2	GCMSQ	TO-15	
MSQ180-IC180	Q3338.D	05/04/07 12:52	PB	.5	GCMSQ	TO-15	
MSQ180-IC180	Q3339.D	05/04/07 14:01	PB	.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	4.57	8.64	0.529	ok	0.528	0.468-0.588
Benzene	10.17	10.47	0.971	ok	0.971	0.911-1.031
Bromodichloromethane	11.12	10.47	1.062	ok	1.062	1.002-1.122
Bromoform	15.44	14.72	1.049	ok	1.049	0.989-1.109
Bromomethane	4.84	8.64	0.560	ok	0.560	0.500-0.620
Bromoethene	5.37	8.64	0.622	ok	0.622	0.562-0.682
Benzyl Chloride	17.93	14.72	1.218	ok	1.218	1.158-1.278
Carbon disulfide	6.87	8.64	0.795	ok	0.795	0.735-0.855
Chlorobenzene	14.77	14.72	1.003	ok	1.003	0.943-1.063
Chloroethane	5.02	8.64	0.581	ok	0.580	0.520-0.640
Chloroform	8.76	8.64	1.014	ok	1.014	0.954-1.074
Chloromethane	4.20	8.64	0.486	ok	0.486	0.426-0.546
3-Chloropropene	6.67	8.64	0.772	ok	0.772	0.712-0.832
2-Chlorotoluene	17.03	14.72	1.157	ok	1.157	1.097-1.217
Carbon tetrachloride	10.30	8.64	1.192	ok	1.192	1.132-1.252
Cyclohexane	10.43	10.47	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	6.44	8.64	0.745	ok	0.745	0.685-0.805
1,2-Dibromoethane	13.62	14.72	0.925	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.47	8.64	1.096	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.94	10.47	1.045	ok	1.045	0.985-1.105
1,4-Dioxane	11.14	10.47	1.064	ok	1.064	1.004-1.124
Dichlorodifluoromethane	4.03	8.64	0.466	ok	0.468	0.408-0.528
Dibromochloromethane	13.37	14.72	0.908	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.48	8.64	0.866	ok	0.865	0.805-0.925
cis-1,2-Dichloroethylene	8.48	8.64	0.981	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.97	10.47	1.143	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.96	14.72	1.220	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.42	14.72	1.251	ok	1.251	1.191-1.311
p-Dichlorobenzene	18.03	14.72	1.225	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.48	10.47	1.192	ok	1.192	1.132-1.252
Ethanol	5.12	8.64	0.593	ok	0.591	0.531-0.651
Ethylbenzene	15.15	14.72	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	17.22	14.72	1.170	ok	1.170	1.110-1.230
Freon 113	6.81	8.64	0.788	ok	0.788	0.728-0.848
Freon 114	4.30	8.64	0.498	ok	0.498	0.438-0.558
Heptane	11.42	10.47	1.091	ok	1.091	1.031-1.151
Hexachlorobutadiene	20.81	14.72	1.414	ok	1.412	1.352-1.472
Hexane	8.68	8.64	1.005	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64809
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ180-IC180	Q3333.D	05/03/07 17:52	PB	40	GCMSQ	TO-15	
MSQ180-IC180	Q3334.D	05/04/07 09:46	PB	20	GCMSQ	TO-15	
MSQ180-ICC180	Q3335.D	05/04/07 10:27	PB	10	GCMSQ	TO-15	
MSQ180-IC180	Q3336.D	05/04/07 11:06	PB	5	GCMSQ	TO-15	Reporting this level
MSQ180-IC180	Q3337.D	05/04/07 12:03	PB	2	GCMSQ	TO-15	
MSQ180-IC180	Q3338.D	05/04/07 12:52	PB	.5	GCMSQ	TO-15	
MSQ180-IC180	Q3339.D	05/04/07 14:01	PB	.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.16	14.72	0.894	ok	0.894	0.834-0.954
Isopropylbenzene	16.48	14.72	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.83	8.64	0.675	ok	0.675	0.615-0.735
Methylene chloride	6.55	8.64	0.758	ok	0.758	0.698-0.818
Methyl ethyl ketone	8.04	8.64	0.931	ok	0.931	0.871-0.991
Methyl Isobutyl Ketone	11.99	10.47	1.145	ok	1.145	1.085-1.205
Methyl Tert Butyl Ether	7.72	8.64	0.894	ok	0.893	0.833-0.953
Nonane	16.04	14.72	1.090	ok	1.090	1.030-1.150
Pentane	6.16	8.64	0.713	ok	0.712	0.652-0.772
Propylene	3.97	8.64	0.459	ok	0.459	0.399-0.519
Styrene	15.72	14.72	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.72	8.64	1.125	ok	1.124	1.064-1.184
1,1,2,2-Tetrachloroethane	15.83	14.72	1.075	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	12.66	10.47	1.209	ok	1.209	1.149-1.269
1,2,4-Trichlorobenzene	20.32	14.72	1.380	ok	1.381	1.321-1.441
1,2,4-Trimethylbenzene	17.77	14.72	1.207	ok	1.207	1.147-1.267
1,3,5-Trimethylbenzene	17.31	14.72	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.18	10.47	1.068	ok	1.068	1.008-1.128
Tertiary Butyl Alcohol	6.44	8.64	0.745	ok	0.746	0.686-0.806
Tetrachloroethylene	14.07	14.72	0.956	ok	0.956	0.896-1.016
Tetrahydrofuran	9.15	8.64	1.059	ok	1.059	0.999-1.119
Toluene	12.94	10.47	1.236	ok	1.236	1.176-1.296
Trichloroethylene	11.16	10.47	1.066	ok	1.066	1.006-1.126
Trichlorofluoromethane	5.80	8.64	0.671	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	0.902	0.842-0.962
m,p-Xylene	15.32	14.72	1.041	ok	1.042	0.982-1.102
o-Xylene	15.84	14.72	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.64	ok	8.64	8.31-8.97	169088	ok	168139	100883-235395
1,4-Difluorobenzene	10.47	ok	10.47	10.14-10.80	758871	ok	784030	470418-1097642
Chlorobenzene-D5	14.72	ok	14.72	14.39-15.05	600276	ok	648414	389048-907780

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64809
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ180-IC180	Q3333.D	05/03/07 17:52	PB	40	GCMSQ	TO-15	
MSQ180-IC180	Q3334.D	05/04/07 09:46	PB	20	GCMSQ	TO-15	
MSQ180-ICC180	Q3335.D	05/04/07 10:27	PB	10	GCMSQ	TO-15	
MSQ180-IC180	Q3336.D	05/04/07 11:06	PB	5	GCMSQ	TO-15	
MSQ180-IC180	Q3337.D	05/04/07 12:03	PB	2	GCMSQ	TO-15	Reporting this level
MSQ180-IC180	Q3338.D	05/04/07 12:52	PB	.5	GCMSQ	TO-15	
MSQ180-IC180	Q3339.D	05/04/07 14:01	PB	.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	4.56	8.64	0.528	ok	0.528	0.468-0.588
Benzene	10.16	10.47	0.970	ok	0.971	0.911-1.031
Bromodichloromethane	11.12	10.47	1.062	ok	1.062	1.002-1.122
Bromoform	15.44	14.72	1.049	ok	1.049	0.989-1.109
Bromomethane	4.84	8.64	0.560	ok	0.560	0.500-0.620
Bromoethene	5.37	8.64	0.622	ok	0.622	0.562-0.682
Benzyl Chloride	17.93	14.72	1.218	ok	1.218	1.158-1.278
Carbon disulfide	6.87	8.64	0.795	ok	0.795	0.735-0.855
Chlorobenzene	14.77	14.72	1.003	ok	1.003	0.943-1.063
Chloroethane	5.02	8.64	0.581	ok	0.580	0.520-0.640
Chloroform	8.76	8.64	1.014	ok	1.014	0.954-1.074
Chloromethane	4.20	8.64	0.486	ok	0.486	0.426-0.546
3-Chloropropene	6.67	8.64	0.772	ok	0.772	0.712-0.832
2-Chlorotoluene	17.04	14.72	1.158	ok	1.157	1.097-1.217
Carbon tetrachloride	10.30	8.64	1.192	ok	1.192	1.132-1.252
Cyclohexane	10.43	10.47	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	6.44	8.64	0.745	ok	0.745	0.685-0.805
1,2-Dibromoethane	13.61	14.72	0.925	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.47	8.64	1.096	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.93	10.47	1.044	ok	1.045	0.985-1.105
1,4-Dioxane	11.15	10.47	1.065	ok	1.064	1.004-1.124
Dichlorodifluoromethane	4.04	8.64	0.468	ok	0.468	0.408-0.528
Dibromochloromethane	13.36	14.72	0.908	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.48	8.64	0.866	ok	0.865	0.805-0.925
cis-1,2-Dichloroethylene	8.48	8.64	0.981	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.97	10.47	1.143	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.95	14.72	1.219	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.41	14.72	1.251	ok	1.251	1.191-1.311
p-Dichlorobenzene	18.03	14.72	1.225	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.48	10.47	1.192	ok	1.192	1.132-1.252
Ethanol	5.10	8.64	0.590	ok	0.591	0.531-0.651
Ethylbenzene	15.14	14.72	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.67	8.64	1.003	ok	1.004	0.944-1.064
4-Ethyltoluene	17.23	14.72	1.171	ok	1.170	1.110-1.230
Freon 113	6.81	8.64	0.788	ok	0.788	0.728-0.848
Freon 114	4.30	8.64	0.498	ok	0.498	0.438-0.558
Heptane	11.42	10.47	1.091	ok	1.091	1.031-1.151
Hexachlorobutadiene	20.81	14.72	1.414	ok	1.412	1.352-1.472
Hexane	8.68	8.64	1.005	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64809
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ180-IC180	Q3333.D	05/03/07 17:52	PB	40	GCMSQ	TO-15	
MSQ180-IC180	Q3334.D	05/04/07 09:46	PB	20	GCMSQ	TO-15	
MSQ180-ICC180	Q3335.D	05/04/07 10:27	PB	10	GCMSQ	TO-15	
MSQ180-IC180	Q3336.D	05/04/07 11:06	PB	5	GCMSQ	TO-15	
MSQ180-IC180	Q3337.D	05/04/07 12:03	PB	2	GCMSQ	TO-15	Reporting this level
MSQ180-IC180	Q3338.D	05/04/07 12:52	PB	.5	GCMSQ	TO-15	
MSQ180-IC180	Q3339.D	05/04/07 14:01	PB	.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.16	14.72	0.894	ok	0.894	0.834-0.954
Isopropylbenzene	16.49	14.72	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.84	8.64	0.676	ok	0.675	0.615-0.735
Methylene chloride	6.55	8.64	0.758	ok	0.758	0.698-0.818
Methyl ethyl ketone	8.04	8.64	0.931	ok	0.931	0.871-0.991
Methyl Isobutyl Ketone	11.99	10.47	1.145	ok	1.145	1.085-1.205
Methyl Tert Butyl Ether	7.72	8.64	0.894	ok	0.893	0.833-0.953
Nonane	16.04	14.72	1.090	ok	1.090	1.030-1.150
Pentane	6.15	8.64	0.712	ok	0.712	0.652-0.772
Propylene	3.97	8.64	0.459	ok	0.459	0.399-0.519
Styrene	15.72	14.72	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.72	8.64	1.125	ok	1.124	1.064-1.184
1,1,2,2-Tetrachloroethane	15.82	14.72	1.075	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	12.66	10.47	1.209	ok	1.209	1.149-1.269
1,2,4-Trichlorobenzene	20.33	14.72	1.381	ok	1.381	1.321-1.441
1,2,4-Trimethylbenzene	17.77	14.72	1.207	ok	1.207	1.147-1.267
1,3,5-Trimethylbenzene	17.31	14.72	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.18	10.47	1.068	ok	1.068	1.008-1.128
Tertiary Butyl Alcohol	6.45	8.64	0.747	ok	0.746	0.686-0.806
Tetrachloroethylene	14.07	14.72	0.956	ok	0.956	0.896-1.016
Tetrahydrofuran	9.15	8.64	1.059	ok	1.059	0.999-1.119
Toluene	12.93	10.47	1.235	ok	1.236	1.176-1.296
Trichloroethylene	11.16	10.47	1.066	ok	1.066	1.006-1.126
Trichlorofluoromethane	5.80	8.64	0.671	ok	0.671	0.611-0.731
Vinyl chloride	4.43	8.64	0.513	ok	0.512	0.452-0.572
Vinyl Acetate	7.80	8.64	0.903	ok	0.902	0.842-0.962
m,p-Xylene	15.33	14.72	1.041	ok	1.042	0.982-1.102
o-Xylene	15.84	14.72	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.64	ok	8.64	8.31-8.97	224559	ok	168139	100883-235395
1,4-Difluorobenzene	10.47	ok	10.47	10.14-10.80	1068771	ok	784030	470418-1097642
Chlorobenzene-D5	14.72	ok	14.72	14.39-15.05	858732	ok	648414	389048-907780

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64809
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ180-IC180	Q3333.D	05/03/07 17:52	PB	40	GCMSQ	TO-15	
MSQ180-IC180	Q3334.D	05/04/07 09:46	PB	20	GCMSQ	TO-15	
MSQ180-ICC180	Q3335.D	05/04/07 10:27	PB	10	GCMSQ	TO-15	
MSQ180-IC180	Q3336.D	05/04/07 11:06	PB	5	GCMSQ	TO-15	
MSQ180-IC180	Q3337.D	05/04/07 12:03	PB	2	GCMSQ	TO-15	
MSQ180-IC180	Q3338.D	05/04/07 12:52	PB	.5	GCMSQ	TO-15	Reporting this level
MSQ180-IC180	Q3339.D	05/04/07 14:01	PB	.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	4.57	8.64	0.529	ok	0.528	0.468-0.588
Benzene	10.17	10.47	0.971	ok	0.971	0.911-1.031
Bromodichloromethane	11.12	10.47	1.062	ok	1.062	1.002-1.122
Bromoform	15.44	14.72	1.049	ok	1.049	0.989-1.109
Bromomethane	4.84	8.64	0.560	ok	0.560	0.500-0.620
Bromoethene	5.37	8.64	0.622	ok	0.622	0.562-0.682
Benzyl Chloride	17.93	14.72	1.218	ok	1.218	1.158-1.278
Carbon disulfide	6.87	8.64	0.795	ok	0.795	0.735-0.855
Chlorobenzene	14.77	14.72	1.003	ok	1.003	0.943-1.063
Chloroethane	5.01	8.64	0.580	ok	0.580	0.520-0.640
Chloroform	8.76	8.64	1.014	ok	1.014	0.954-1.074
Chloromethane	4.20	8.64	0.486	ok	0.486	0.426-0.546
3-Chloropropene	6.67	8.64	0.772	ok	0.772	0.712-0.832
2-Chlorotoluene	17.03	14.72	1.157	ok	1.157	1.097-1.217
Carbon tetrachloride	10.30	8.64	1.192	ok	1.192	1.132-1.252
Cyclohexane	10.43	10.47	0.996	ok	0.996	0.936-1.056
1,1-Dichloroethane	7.68	8.64	0.889	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.43	8.64	0.744	ok	0.745	0.685-0.805
1,2-Dibromoethane	13.62	14.72	0.925	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.48	8.64	1.097	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.94	10.47	1.045	ok	1.045	0.985-1.105
1,4-Dioxane	11.16	10.47	1.066	ok	1.064	1.004-1.124
Dichlorodifluoromethane	4.05	8.64	0.469	ok	0.468	0.408-0.528
Dibromochloromethane	13.36	14.72	0.908	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.48	8.64	0.866	ok	0.865	0.805-0.925
cis-1,2-Dichloroethylene	8.48	8.64	0.981	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.97	10.47	1.143	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.95	14.72	1.219	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.41	14.72	1.251	ok	1.251	1.191-1.311
p-Dichlorobenzene	18.03	14.72	1.225	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.48	10.47	1.192	ok	1.192	1.132-1.252
Ethanol	5.11	8.64	0.591	ok	0.591	0.531-0.651
Ethylbenzene	15.14	14.72	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	17.22	14.72	1.170	ok	1.170	1.110-1.230
Freon 113	6.81	8.64	0.788	ok	0.788	0.728-0.848
Freon 114	4.30	8.64	0.498	ok	0.498	0.438-0.558
Heptane	11.41	10.47	1.090	ok	1.091	1.031-1.151
Hexachlorobutadiene	20.81	14.72	1.414	ok	1.412	1.352-1.472
Hexane	8.68	8.64	1.005	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64809
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ180-IC180	Q3333.D	05/03/07 17:52	PB	40	GCMSQ	TO-15	
MSQ180-IC180	Q3334.D	05/04/07 09:46	PB	20	GCMSQ	TO-15	
MSQ180-ICC180	Q3335.D	05/04/07 10:27	PB	10	GCMSQ	TO-15	
MSQ180-IC180	Q3336.D	05/04/07 11:06	PB	5	GCMSQ	TO-15	
MSQ180-IC180	Q3337.D	05/04/07 12:03	PB	2	GCMSQ	TO-15	
MSQ180-IC180	Q3338.D	05/04/07 12:52	PB	.5	GCMSQ	TO-15	Reporting this level
MSQ180-IC180	Q3339.D	05/04/07 14:01	PB	.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.16	14.72	0.894	ok	0.894	0.834-0.954
Isopropylbenzene	16.48	14.72	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.84	8.64	0.676	ok	0.675	0.615-0.735
Methylene chloride	6.55	8.64	0.758	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	10.47	1.145	ok	1.145	1.085-1.205
Methyl Tert Butyl Ether	7.72	8.64	0.894	ok	0.893	0.833-0.953
Nonane	16.04	14.72	1.090	ok	1.090	1.030-1.150
Pentane	6.15	8.64	0.712	ok	0.712	0.652-0.772
Propylene	3.98	8.64	0.461	ok	0.459	0.399-0.519
Styrene	15.72	14.72	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.72	8.64	1.125	ok	1.124	1.064-1.184
1,1,2,2-Tetrachloroethane	15.83	14.72	1.075	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	12.66	10.47	1.209	ok	1.209	1.149-1.269
1,2,4-Trichlorobenzene	20.32	14.72	1.380	ok	1.381	1.321-1.441
1,2,4-Trimethylbenzene	17.78	14.72	1.208	ok	1.207	1.147-1.267
1,3,5-Trimethylbenzene	17.31	14.72	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.19	10.47	1.069	ok	1.068	1.008-1.128
Tertiary Butyl Alcohol	6.45	8.64	0.747	ok	0.746	0.686-0.806
Tetrachloroethylene	14.07	14.72	0.956	ok	0.956	0.896-1.016
Tetrahydrofuran	9.17	8.64	1.061	ok	1.059	0.999-1.119
Toluene	12.94	10.47	1.236	ok	1.236	1.176-1.296
Trichloroethylene	11.16	10.47	1.066	ok	1.066	1.006-1.126
Trichlorofluoromethane	5.80	8.64	0.671	ok	0.671	0.611-0.731
Vinyl chloride	4.41	8.64	0.510	ok	0.512	0.452-0.572
Vinyl Acetate	7.80	8.64	0.903	ok	0.902	0.842-0.962
m,p-Xylene	15.35	14.72	1.043	ok	1.042	0.982-1.102
o-Xylene	15.84	14.72	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.64	ok	8.64	8.31-8.97	126062	ok	168139	100883-235395
1,4-Difluorobenzene	10.47	ok	10.47	10.14-10.80	590641	ok	784030	470418-1097642
Chlorobenzene-D5	14.72	ok	14.72	14.39-15.05	497909	ok	648414	389048-907780

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64809
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ180-IC180	Q3333.D	05/03/07 17:52	PB	40	GCMSQ	TO-15	
MSQ180-IC180	Q3334.D	05/04/07 09:46	PB	20	GCMSQ	TO-15	
MSQ180-ICC180	Q3335.D	05/04/07 10:27	PB	10	GCMSQ	TO-15	
MSQ180-IC180	Q3336.D	05/04/07 11:06	PB	5	GCMSQ	TO-15	
MSQ180-IC180	Q3337.D	05/04/07 12:03	PB	2	GCMSQ	TO-15	
MSQ180-IC180	Q3338.D	05/04/07 12:52	PB	.5	GCMSQ	TO-15	
MSQ180-IC180	Q3339.D	05/04/07 14:01	PB	.2	GCMSQ	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.61	8.65	0.649	ok	0.649	0.589-0.709
1,3-Butadiene	4.56	8.65	0.527	ok	0.528	0.468-0.588
Benzene	10.17	10.47	0.971	ok	0.971	0.911-1.031
Bromodichloromethane	11.11	10.47	1.061	ok	1.062	1.002-1.122
Bromoform	15.44	14.72	1.049	ok	1.049	0.989-1.109
Bromomethane	4.84	8.65	0.560	ok	0.560	0.500-0.620
Bromoethene	5.38	8.65	0.622	ok	0.622	0.562-0.682
Benzyl Chloride	17.93	14.72	1.218	ok	1.218	1.158-1.278
Carbon disulfide	6.86	8.65	0.793	ok	0.795	0.735-0.855
Chlorobenzene	14.78	14.72	1.004	ok	1.003	0.943-1.063
Chloroethane	5.02	8.65	0.580	ok	0.580	0.520-0.640
Chloroform	8.76	8.65	1.013	ok	1.014	0.954-1.074
Chloromethane	4.19	8.65	0.484	ok	0.486	0.426-0.546
3-Chloropropene	6.67	8.65	0.771	ok	0.772	0.712-0.832
2-Chlorotoluene	17.04	14.72	1.158	ok	1.157	1.097-1.217
Carbon tetrachloride	10.30	8.65	1.191	ok	1.192	1.132-1.252
Cyclohexane	10.43	10.47	0.996	ok	0.996	0.936-1.056
1,1-Dichloroethane	7.67	8.65	0.887	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.44	8.65	0.745	ok	0.745	0.685-0.805
1,2-Dibromoethane	13.62	14.72	0.925	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.48	8.65	1.096	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.94	10.47	1.045	ok	1.045	0.985-1.105
Dichlorodifluoromethane	4.04	8.65	0.467	ok	0.468	0.408-0.528
Dibromochloromethane	13.37	14.72	0.908	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.48	8.65	0.865	ok	0.865	0.805-0.925
cis-1,2-Dichloroethylene	8.48	8.65	0.980	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.98	10.47	1.144	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.96	14.72	1.220	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.41	14.72	1.251	ok	1.251	1.191-1.311
p-Dichlorobenzene	18.03	14.72	1.225	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.48	10.47	1.192	ok	1.192	1.132-1.252
Ethanol	5.10	8.65	0.590	ok	0.591	0.531-0.651
Ethylbenzene	15.15	14.72	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.67	8.65	1.002	ok	1.004	0.944-1.064
4-Ethyltoluene	17.23	14.72	1.171	ok	1.170	1.110-1.230
Freon 113	6.82	8.65	0.788	ok	0.788	0.728-0.848
Freon 114	4.30	8.65	0.497	ok	0.498	0.438-0.558
Heptane	11.42	10.47	1.091	ok	1.091	1.031-1.151
Hexachlorobutadiene	20.82	14.72	1.414	ok	1.412	1.352-1.472
Hexane	8.68	8.65	1.003	ok	1.004	0.944-1.064
2-Hexanone	13.17	14.72	0.895	ok	0.894	0.834-0.954

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64809
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ180-IC180	Q3333.D	05/03/07 17:52	PB	40	GCMSQ	TO-15	
MSQ180-IC180	Q3334.D	05/04/07 09:46	PB	20	GCMSQ	TO-15	
MSQ180-ICC180	Q3335.D	05/04/07 10:27	PB	10	GCMSQ	TO-15	
MSQ180-IC180	Q3336.D	05/04/07 11:06	PB	5	GCMSQ	TO-15	
MSQ180-IC180	Q3337.D	05/04/07 12:03	PB	2	GCMSQ	TO-15	
MSQ180-IC180	Q3338.D	05/04/07 12:52	PB	.5	GCMSQ	TO-15	
MSQ180-IC180	Q3339.D	05/04/07 14:01	PB	.2	GCMSQ	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Isopropylbenzene	16.48	14.72	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.85	8.65	0.676	ok	0.675	0.615-0.735
Methylene chloride	6.55	8.65	0.757	ok	0.758	0.698-0.818
Methyl ethyl ketone	8.07	8.65	0.933	ok	0.931	0.871-0.991
Methyl Isobutyl Ketone	12.00	10.47	1.146	ok	1.145	1.085-1.205
Methyl Tert Butyl Ether	7.73	8.65	0.894	ok	0.893	0.833-0.953
Nonane	16.04	14.72	1.090	ok	1.090	1.030-1.150
Pentane	6.16	8.65	0.712	ok	0.712	0.652-0.772
Propylene	3.95	8.65	0.457	ok	0.459	0.399-0.519
Styrene	15.72	14.72	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.71	8.65	1.123	ok	1.124	1.064-1.184
1,1,2,2-Tetrachloroethane	15.82	14.72	1.075	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	12.66	10.47	1.209	ok	1.209	1.149-1.269
1,2,4-Trichlorobenzene	20.32	14.72	1.380	ok	1.381	1.321-1.441
1,2,4-Trimethylbenzene	17.77	14.72	1.207	ok	1.207	1.147-1.267
1,3,5-Trimethylbenzene	17.31	14.72	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.18	10.47	1.068	ok	1.068	1.008-1.128
Tertiary Butyl Alcohol	6.46	8.65	0.747	ok	0.746	0.686-0.806
Tetrachloroethylene	14.07	14.72	0.956	ok	0.956	0.896-1.016
Tetrahydrofuran	9.16	8.65	1.059	ok	1.059	0.999-1.119
Toluene	12.94	10.47	1.236	ok	1.236	1.176-1.296
Trichloroethylene	11.16	10.47	1.066	ok	1.066	1.006-1.126
Trichlorofluoromethane	5.79	8.65	0.669	ok	0.671	0.611-0.731
Vinyl chloride	4.42	8.65	0.511	ok	0.512	0.452-0.572
Vinyl Acetate	7.80	8.65	0.902	ok	0.902	0.842-0.962
m,p-Xylene	15.34	14.72	1.042	ok	1.042	0.982-1.102
o-Xylene	15.84	14.72	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.65	ok	8.64	8.31-8.97	160379	ok	168139	100883-235395
1,4-Difluorobenzene	10.47	ok	10.47	10.14-10.80	729774	ok	784030	470418-1097642
Chlorobenzene-D5	14.72	ok	14.72	14.39-15.05	600663	ok	648414	389048-907780

Volatile Surrogate Recovery Summary

Job Number: M64809
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Method: TO-15 **Matrix:** AIR

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1
M64809-1	J10382.D	96.0
M64809-2	J10383.D	107.0
M64809-3	J10384.D	104.0
M64809-4	J10385.D	108.0
M64809-5	J10386.D	107.0
M64809-6	J10387.D	101.0
M64809-7	J10388.D	110.0
M64809-8	J10389.D	97.0
M64809-9	J10390.D	98.0
M64809-9DUP	J10391.D	97.0
MSJ533-SCC	J10305.D	87.0
MSJ533-SCC	J10306.D	92.0
MSJ533-SCC	J10307.D	89.0
MSJ533-SCC	J10309.D	88.0
MSJ533-SCC	J10310.D	87.0
MSJ533-SCC	J10288A.D	95.0
MSJ537-BS	J10368.D	109.0
MSJ537-MB	J10369.D	97.0
MSQ183-SCC	Q3367A.D	90.0
MSQ183-SCC	Q3371A.D	87.0
MSQ184-SCC	Q3375A.D	82.0
MSJ533-BS	J10286B.D	111.0
MSJ533-MB	J10288.D	95.0
MSQ183-BS	Q3366A.D	110.0
MSQ183-MB	Q3367.D	90.0
MSQ184-BS	Q3373.D	104.0
MSQ184-MB	Q3375.D	82.0

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

Initial Calibration Summary

Job Number: M64809 **Sample:** MSJ533-ICC533
Account: GEI GEI Consultants, Inc. **Lab FileID:** J10281.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Response Factor Report MSJ

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 11:09:51 2007
Response via : Initial Calibration

Calibration Files
40 =J10279.D 20 =J10280.D 10 =J10281.D 5 =J10282.D
2 =J10283.D .5 =J10278.D .2 =J10277.D 4 =J10094.D

Compound	40	20	10	5	2	.5	.2	4	Avg	%RSD
1) I BROMOCHLOROMETHANE	----------ISTD----------									
2) DICHLORODIFL	3.120	3.273	3.238	3.596	3.635	3.947	3.789		3.514	8.80
3) PROPYLENE	0.441	0.464	0.450	0.457	0.379	0.218			0.402	23.69
4) FREON 114	2.706	2.781	2.678	2.746	3.317	3.295	3.221		2.963	10.03
5) CHLOROMETHAN	0.602	0.633	0.604	0.652	0.731	0.673	0.672		0.652	6.91
6) VINYL CHLORI	0.763	0.812	0.777	0.773	0.816	0.980	0.812		0.819	9.06
7) 1,3-BUTADIEN	0.552	0.559	0.516	0.517	0.534	0.488	0.294		0.494	18.50
8) BROMOMETHANE	0.932	0.971	0.917	0.948	1.092	1.087	0.996		0.992	7.20
9) CHLOROETHANE	0.367	0.372	0.350	0.338	0.318	0.384	0.206		0.334	18.18
10) TRICHLOROFLU	3.269	3.266	3.181	3.251	3.916	4.248	3.920		3.579	12.17
11) ISOPROPYL AL	0.852	0.902	0.781	0.676	0.501	0.568	1.000		0.754	24.06
12) ACETONE	0.914	0.907	0.813	0.792	0.851	1.346	2.038		1.094	41.70
----- Linear regression ----- Coefficient = 0.9988										
Response Ratio = -0.02062 + 0.91416 *A										
13) PENTANE	0.602	0.607	0.593	0.591	0.677	0.660	0.483		0.602	10.38
14) 1,1-DICHLORO	0.932	0.952	0.903	0.862	0.934	0.828	0.857		0.895	5.26
15) CARBON DISUL	2.468	2.554	2.452	2.551	2.910	3.098	2.935		2.710	9.72
16) ETHANOL	0.144	0.147	0.124	0.110	0.115	0.070			0.118	23.84
17) BROMOETHENE	0.969	0.996	0.918	0.892	0.954	0.837	0.751		0.902	9.44
18) METHYLENE CH	0.823	0.825	0.773	0.789	0.859	6.693			1.794	133.82
----- Linear regression ----- Coefficient = 0.9903										
Response Ratio = 0.07890 + 0.79243 *A										
19) 3-CHLOROPROP	0.659	0.593	0.533	0.498	0.531	0.664	0.574		0.579	11.10
20) FREON 113	2.043	2.040	1.931	1.994	2.235	2.559	2.531		2.191	11.84
21) TRANS-1,2-DI	0.908	0.903	0.825	0.807	0.859	0.957	0.832		0.870	6.22
22) TERTIARY BUT	1.256	1.300	1.094	1.012	0.875	0.656			1.032	23.45
23) METHYL TERTI	1.838	1.828	1.586	1.502	1.538	1.685	1.111		1.584	15.61
24) TETRAHYDROFU	0.549	0.538	0.453	0.402	0.375	0.293			0.435	22.71
25) HEXANE	0.917	0.875	0.828	0.809	0.877	1.203	1.259		0.967	19.10
26) VINYL ACETAT	1.179	1.133	0.954	0.870	0.810	0.857			0.967	15.94
27) 1,1-DICHLORO	1.453	1.376	1.294	1.257	1.424	1.694	1.367		1.409	10.13
28) METHYL ETHYL	1.012	1.019	0.886	0.829	0.883	0.918	0.734		0.897	11.12
29) cis-1,2-DICH	0.907	0.846	0.777	0.735	0.847	0.866	0.685		0.809	9.80
30) ETHYL ACETAT	1.132	1.126	0.988	0.901	0.970	1.112	0.808		1.005	12.42
31) CHLOROFORM	2.115	1.982	1.867	1.838	2.157	2.447	2.117		2.075	9.97
32) 1,1,1-TRICHL	2.596	2.404	2.194	2.122	2.383	2.753	2.400		2.408	9.02
33) CARBON TETRA	3.205	3.035	2.890	2.934	3.171	3.638	3.284		3.165	8.01
34) 1,2-DICHLORO	1.269	1.157	1.028	0.997	1.178	1.294	1.081		1.143	10.00
35) I 1,4-DIFLUOROBENZENE	----------ISTD----------									
36) BENZENE	0.525	0.465	0.415	0.389	0.388	0.445	0.359		0.427	13.18
37) CYCLOHEXANE	0.241	0.229	0.214	0.211	0.193	0.169	0.132		0.198	18.90
38) TRICHLOROETH	0.276	0.251	0.230	0.235	0.258	0.259	0.186		0.242	12.03
39) 1,2-DICHLORO	0.169	0.149	0.133	0.131	0.131	0.170	0.122		0.144	13.52

Initial Calibration Summary

Job Number: M64809 **Sample:** MSJ533-ICC533
Account: GEI GEI Consultants, Inc. **Lab FileID:** J10281.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

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40) BROMODICHLOR 0.492 0.444 0.405 0.408 0.448 0.563 0.462       0.460  11.77
41) 2,2,4-TRIMET 0.788 0.745 0.684 0.633 0.568 0.527 0.374       0.617  22.93
42) 1,4-DIOXANE  0.097 0.092 0.076 0.061 0.040 0.013             0.063  51.22
            ----- Linear regression -----  Coefficient =  0.9978
              Response Ratio = -0.01465 + 0.10021 *A

43) HEPTANE      0.240 0.218 0.196 0.184 0.178 0.155 0.100       0.182  25.10
44) METHYL ISOBU 0.304 0.275 0.233 0.210 0.182 0.148             0.225  25.80
45) cis-1,3-DICH 0.282 0.253 0.212 0.189 0.169 0.164 0.117       0.198  28.22
46) TOLUENE      0.398 0.350 0.298 0.274 0.246 0.223 0.170       0.280  27.54
47) trans-1,3-DI 0.280 0.250 0.204 0.177 0.156 0.117             0.197  30.59
            ----- Linear regression -----  Coefficient =  0.9953
              Response Ratio = -0.04344 + 0.28517 *A

48) 1,1,2-TRICHL 0.188 0.169 0.150 0.147 0.156 0.183 0.151       0.163  10.27

49) I   CHLOROBENZENE-D5      ----------------ISTD--------------------
50) 2-HEXANONE   0.289 0.258 0.216 0.198 0.146 0.117             0.204  32.03
            ----- Linear regression -----  Coefficient =  0.9959
              Response Ratio = -0.04283 + 0.29406 *A

51) TETRACHLOROE 0.385 0.340 0.301 0.302 0.320 0.420 0.296       0.338  14.20
52) DIBROMOCHLOR 0.573 0.521 0.476 0.490 0.541 0.706 0.498       0.544  14.49
53) 1,2-DIBROMOE 0.406 0.369 0.322 0.314 0.328 0.353 0.255       0.335  14.15
54) CHLOROBENZEN 0.597 0.553 0.492 0.494 0.550 0.591 0.443       0.531  10.70
55) ETHYLBENZENE 0.945 0.860 0.750 0.711 0.615 0.528 0.353       0.680  29.58
56) m,p-XYLENE   0.391 0.352 0.315 0.301 0.274 0.205 0.142       0.283  30.28
            ----- Linear regression -----  Coefficient =  0.9966
              Response Ratio = -0.06858 + 0.39166 *A

57) o-XYLENE     0.400 0.354 0.316 0.301 0.264 0.212 0.137       0.283  31.16
            ----- Linear regression -----  Coefficient =  0.9958
              Response Ratio = -0.03784 + 0.39955 *A

58) STYRENE      0.576 0.505 0.413 0.338 0.255 0.174             0.377  40.25
            ----- Linear regression -----  Coefficient =  0.9947
              Response Ratio = -0.10022 + 0.58768 *A

59) NONANE       0.364 0.328 0.297 0.276 0.251 0.212             0.288  18.86
60) BROMOFORM    0.637 0.571 0.504 0.489 0.522 0.646 0.501       0.553  11.93
61) 4-BROMOFLUOR 0.708 0.670 0.649 0.564 0.542 0.487 0.487       0.587  15.22
62) 1,1,2,2-TETR 0.536 0.487 0.433 0.429 0.437 0.596 0.365       0.469  16.53
63) ISOPROPYLBEN 1.158 1.034 0.905 0.830 0.739 0.644             0.885  21.41
64) 2-CHLOROTOLU 0.799 0.703 0.597 0.525 0.456 0.418             0.583  25.21
65) 4-ETHYLTOLUE 1.085 0.941 0.781 0.679 0.565 0.410             0.744  33.16
            ----- Linear regression -----  Coefficient =  0.9942
              Response Ratio = -0.17841 + 1.10272 *A

66) 1,3,5-TRIMET 0.968 0.848 0.721 0.632 0.548 0.460             0.696  27.23
67) 1,2,4-TRIMET 0.924 0.779 0.636 0.559 0.448 0.335             0.613  35.12
            ----- Linear regression -----  Coefficient =  0.9923
              Response Ratio = -0.16618 + 0.93823 *A

68) m-DICHLOROBE 0.684 0.567 0.466 0.455 0.452 0.359             0.497  22.70
69) BENZYL CHLOR 0.586 0.470 0.377 0.332 0.253 0.218             0.373  36.91
         ----- Quadratic regression -----                Coefficient =  0.9998
              Response Ratio = -0.01976 + 0.35387 *A + 0.05932 *A^2

70) p-DICHLOROBE 0.640 0.534 0.441 0.429 0.383 0.301             0.455  26.06
71) o-DICHLOROBE 0.613 0.502 0.413 0.384 0.368 0.379             0.443  21.74
```

Initial Calibration Summary

Job Number: M64809 **Sample:** MSJ533-ICC533
Account: GEI GEI Consultants, Inc. **Lab FileID:** J10281.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

```
72) HEXACHLOROBU 0.348 0.292 0.256 0.267 0.259 1.126            0.425  81.32
         ----- Quadratic regression -----                 Coefficient =  0.9993
              Response Ratio = 0.02574 + 0.20482 *A + 0.03437 *A^2

73) 1,2,4-TRICHL 0.206 0.171 0.135 0.119 0.090 0.144            0.144  28.01
74) NAPHTHALENE                                                 0.000  -1.00
---------------------------------------------------------------------------
(#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          J050907T.M        Thu May 10 11:10:50 2007
```

Continuing Calibration Summary

Job Number: M64809 **Sample:** MSJ533-CC533
Account: GEI GEI Consultants, Inc. **Lab FileID:** J10286A.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\J10286A.D Vial: 4
Acq On : 10 May 2007 10:33 am Operator: danat
Sample : CC533-10 (M054) Inst : MSJ
Misc : MS13434, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 11:09:51 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	100	0.00	8.62
2	m	DICHLORODIFLUOROMETHANE	3.514	3.160	10.1	98	0.00	4.07
3	m	PROPYLENE	0.402	0.432	-7.5	96	0.00	3.99
4	m	FREON 114	2.963	2.556	13.7	96	0.00	4.32
5	m	CHLOROMETHANE	0.652	0.598	8.3	99	0.00	4.23
6	m	VINYL CHLORIDE	0.819	0.730	10.9	94	0.00	4.45
7	m	1,3-BUTADIENE	0.494	0.495	-0.2	96	0.00	4.58
8	m	BROMOMETHANE	0.992	0.872	12.1	95	0.00	4.85
9	m	CHLOROETHANE	0.334	0.341	-2.1	97	0.00	5.03
10	m	TRICHLOROFLUOROMETHANE	3.579	3.057	14.6	96	0.00	5.79
11	m	ISOPROPYL ALCOHOL	0.754	0.729	3.3	94	0.00	5.92
		----------	True	Calc.	% Drift	----------		
12	m	ACETONE	10.000	7.722	22.8	84	0.00	5.65
		----------	AvgRF	CCRF	% Dev	----------		
13	m	PENTANE	0.602	0.577	4.2	97	0.00	6.13
14	m	1,1-DICHLOROETHYLENE	0.895	0.778	13.1	86	0.00	6.43
15	m	CARBON DISULFIDE	2.710	2.238	17.4	91	0.00	6.85
16	m	ETHANOL	0.118	0.120	-1.7	97	0.00	5.20
17	m	BROMOETHENE	0.902	0.839	7.0	92	0.00	5.38
		----------	True	Calc.	% Drift	----------		
18	m	METHYLENE CHLORIDE	10.000	7.732	22.7	90	0.00	6.54
		----------	AvgRF	CCRF	% Dev	----------		
19	m	3-CHLOROPROPENE	0.579	0.532	8.1	100	0.00	6.66
20	m	FREON 113	2.191	1.736	20.8	90	0.00	6.79
21	m	TRANS-1,2-DICHLOROETHYLEN	0.870	0.768	11.7	93	0.00	7.46
22	m	TERTIARY BUTYL ALCOHOL	1.032	0.991	4.0	91	0.00	6.52
23	m	METHYL TERTIARY BUTYL ETH	1.584	1.292	18.4	82	0.00	7.73
24	m	TETRAHYDROFURAN	0.435	0.372	14.5	82	0.00	9.17
25	m	HEXANE	0.967	0.727	24.8	88	0.00	8.63
26	m	VINYL ACETATE	0.967	0.780	19.3	82	0.00	7.80
27	m	1,1-DICHLOROETHANE	1.409	1.192	15.4	92	0.00	7.66
28	m	METHYL ETHYL KETONE	0.897	0.737	17.8	83	0.00	8.07
29	m	cis-1,2-DICHLOROETHYLENE	0.809	0.692	14.5	89	0.00	8.46
30	m	ETHYL ACETATE	1.005	0.785	21.9	80	0.00	8.68
31	m	CHLOROFORM	2.075	1.724	16.9	93	0.00	8.74
32	m	1,1,1-TRICHLOROETHANE	2.408	2.068	14.1	94	0.00	9.68
33	m	CARBON TETRACHLORIDE	3.165	2.729	13.8	95	0.00	10.26
34	m	1,2-DICHLOROETHANE	1.143	0.925	19.1	90	0.00	9.45

Continuing Calibration Summary

Job Number: M64809 **Sample:** MSJ533-CC533
Account: GEI GEI Consultants, Inc. **Lab FileID:** J10286A.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

35	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	101	0.00	10.44
36	m	BENZENE	0.427	0.365	14.5	89	0.00	10.12
37	m	CYCLOHEXANE	0.198	0.193	2.5	91	0.00	10.37
38	m	TRICHLOROETHYLENE	0.242	0.212	12.4	93	0.00	11.12
39	m	1,2-DICHLOROPROPANE	0.144	0.117	18.7	88	0.00	10.90
40	m	BROMODICHLOROMETHANE	0.460	0.357	22.4	89	0.00	11.08
41	m	2,2,4-TRIMETHYLPENTANE	0.617	0.647	-4.9	95	0.00	11.12
		----------	True	Calc.	% Drift	----------		
42	m	1,4-DIOXANE	10.000	8.136	18.6	89	0.00	11.16
		----------	AvgRF	CCRF	% Dev	----------		
43	m	HEPTANE	0.182	0.176	3.3	91	0.00	11.36
44	m	METHYL ISOBUTYL KETONE	0.225	0.200	11.1	86	0.00	11.98
45	m	cis-1,3-DICHLOROPROPENE	0.198	0.190	4.0	91	0.00	11.94
46	m	TOLUENE	0.280	0.252	10.0	85	0.00	12.89
		----------	True	Calc.	% Drift	----------		
47	m	trans-1,3-DICHLOROPROPENE	10.000	7.072	29.3	78	0.00	12.44
		----------	AvgRF	CCRF	% Dev	----------		
48	m	1,1,2-TRICHLOROETHANE	0.163	0.131	19.6	88	0.00	12.62
49	I	CHLOROBENZENE-D5	1.000	1.000	0.0	101	0.00	14.67
		----------	True	Calc.	% Drift	----------		
50	m	2-HEXANONE	10.000	7.381	26.2	82	0.00	13.15
		----------	AvgRF	CCRF	% Dev	----------		
51	m	TETRACHLOROETHYLENE	0.338	0.272	19.5	91	0.00	14.01
52	m	DIBROMOCHLOROMETHANE	0.544	0.414	23.9	88	0.00	13.33
53	m	1,2-DIBROMOETHANE	0.335	0.284	15.2	89	0.00	13.57
54	m	CHLOROBENZENE	0.465	0.436	6.2	90	0.00	14.71
55	m	ETHYLBENZENE	0.680	0.654	3.8	88	0.00	15.09
		----------	True	Calc.	% Drift	----------		
56	m	m,p-XYLENE	20.000	15.871	20.6	89	0.00	15.28
57	m	o-XYLENE	10.000	7.994	20.1	90	0.00	15.78
58	m	STYRENE	10.000	8.041	19.6	91	0.00	15.67
		----------	AvgRF	CCRF	% Dev	----------		
59	m	NONANE	0.288	0.279	3.1	95	0.00	15.97
60	m	BROMOFORM	0.553	0.446	19.3	90	0.00	15.40
61	S	4-BROMOFLUOROBENZENE	0.513	0.649	-26.5	101	0.00	16.29
62	m	1,1,2,2-TETRACHLOROETHANE	0.469	0.409	12.8	96	0.00	15.79
63	m	ISOPROPYLBENZENE	0.885	0.823	7.0	92	0.00	16.43
64	m	2-CHLOROTOLUENE	0.583	0.559	4.1	95	0.00	16.98
		----------	True	Calc.	% Drift	----------		
65	m	4-ETHYLTOLUENE	10.000	7.775	22.2	88	0.00	17.17
		----------	AvgRF	CCRF	% Dev	----------		
66	m	1,3,5-TRIMETHYLBENZENE	0.696	0.670	3.7	94	0.00	17.25
		----------	True	Calc.	% Drift	----------		
67	m	1,2,4-TRIMETHYLBENZENE	10.000	8.257	17.4	97	0.00	17.72
		----------	AvgRF	CCRF	% Dev	----------		
68	m	m-DICHLOROBENZENE	0.497	0.486	2.2	106	0.00	17.91

Continuing Calibration Summary

Job Number: M64809 **Sample:** MSJ533-CC533
Account: GEI GEI Consultants, Inc. **Lab FileID:** J10286A.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

```
            ----------------------- True    Calc.   % Drift  ------------
69 m   BENZYL CHLORIDE            10.000   9.896      1.0  104   0.00   17.89

            ----------------------- AvgRF   CCRF     % Dev   -------------
70 m   p-DICHLOROBENZENE           0.455   0.457     -0.4  105   0.00   17.98
71 m   o-DICHLOROBENZENE           0.443   0.431      2.7  105   0.00   18.37

            ----------------------- True    Calc.   % Drift  ------------
72 m   HEXACHLOROBUTADIENE        10.000  11.870    -18.7  126   0.00   20.76

            ----------------------- AvgRF   CCRF     % Dev   -------------
73 m   1,2,4-TRICHLOROBENZENE      0.144   0.201    -39.6# 151   0.00   20.27
74 m   NAPHTHALENE                          ----------NA----------
-------------------------------------------------------------------------------

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

   (#) = Out of Range               SPCC's out = 0  CCC's out = 0
    J10281.D   J050907T.M       Thu May 10 14:49:31 2007
```

Initial Calibration Verification

Job Number: M64809 **Sample:** MSJ533-ICV533
Account: GEI GEI Consultants, Inc. **Lab FileID:** J10286.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\J10286.D Vial: 4
Acq On : 10 May 2007 10:33 am Operator: danat
Sample : ICV533-10 (M054) Inst : MSJ
Misc : MS13434, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 11:09:51 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	100	0.00	8.62
2	m	DICHLORODIFLUOROMETHANE	3.514	3.160	10.1	98	0.00	4.07
3	m	PROPYLENE	0.402	0.432	-7.5	96	0.00	3.99
4	m	FREON 114	2.963	2.556	13.7	96	0.00	4.32
5	m	CHLOROMETHANE	0.652	0.598	8.3	99	0.00	4.23
6	m	VINYL CHLORIDE	0.819	0.730	10.9	94	0.00	4.45
7	m	1,3-BUTADIENE	0.494	0.495	-0.2	96	0.00	4.58
8	m	BROMOMETHANE	0.992	0.872	12.1	95	0.00	4.85
9	m	CHLOROETHANE	0.334	0.341	-2.1	97	0.00	5.03
10	m	TRICHLOROFLUOROMETHANE	3.579	3.057	14.6	96	0.00	5.79
11	m	ISOPROPYL ALCOHOL	0.754	0.729	3.3	94	0.00	5.92
		----------	True	Calc.	% Drift	----------		
12	m	ACETONE	10.000	7.722	22.8	84	0.00	5.65
		----------	AvgRF	CCRF	% Dev	----------		
13	m	PENTANE	0.602	0.577	4.2	97	0.00	6.13
14	m	1,1-DICHLOROETHYLENE	0.895	0.778	13.1	86	0.00	6.43
15	m	CARBON DISULFIDE	2.710	2.238	17.4	91	0.00	6.85
16	m	ETHANOL	0.118	0.120	-1.7	97	0.00	5.20
17	m	BROMOETHENE	0.902	0.839	7.0	92	0.00	5.38
		----------	True	Calc.	% Drift	----------		
18	m	METHYLENE CHLORIDE	10.000	7.732	22.7	90	0.00	6.54
		----------	AvgRF	CCRF	% Dev	----------		
19	m	3-CHLOROPROPENE	0.579	0.532	8.1	100	0.00	6.66
20	m	FREON 113	2.191	1.736	20.8	90	0.00	6.79
21	m	TRANS-1,2-DICHLOROETHYLEN	0.870	0.768	11.7	93	0.00	7.46
22	m	TERTIARY BUTYL ALCOHOL	1.032	0.991	4.0	91	0.00	6.52
23	m	METHYL TERTIARY BUTYL ETH	1.584	1.292	18.4	82	0.00	7.73
24	m	TETRAHYDROFURAN	0.435	0.372	14.5	82	0.00	9.17
25	m	HEXANE	0.967	0.727	24.8	88	0.00	8.63
26	m	VINYL ACETATE	0.967	0.780	19.3	82	0.00	7.80
27	m	1,1-DICHLOROETHANE	1.409	1.192	15.4	92	0.00	7.66
28	m	METHYL ETHYL KETONE	0.897	0.737	17.8	83	0.00	8.07
29	m	cis-1,2-DICHLOROETHYLENE	0.809	0.692	14.5	89	0.00	8.46
30	m	ETHYL ACETATE	1.005	0.785	21.9	80	0.00	8.68
31	m	CHLOROFORM	2.075	1.724	16.9	93	0.00	8.74
32	m	1,1,1-TRICHLOROETHANE	2.408	2.068	14.1	94	0.00	9.68
33	m	CARBON TETRACHLORIDE	3.165	2.729	13.8	95	0.00	10.26
34	m	1,2-DICHLOROETHANE	1.143	0.925	19.1	90	0.00	9.45

Initial Calibration Verification

Job Number: M64809 **Sample:** MSJ533-ICV533
Account: GEI GEI Consultants, Inc. **Lab FileID:** J10286.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

35	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	101	0.00	10.44
36	m	BENZENE	0.427	0.365	14.5	89	0.00	10.12
37	m	CYCLOHEXANE	0.198	0.193	2.5	91	0.00	10.37
38	m	TRICHLOROETHYLENE	0.242	0.212	12.4	93	0.00	11.12
39	m	1,2-DICHLOROPROPANE	0.144	0.117	18.7	88	0.00	10.90
40	m	BROMODICHLOROMETHANE	0.460	0.357	22.4	89	0.00	11.08
41	m	2,2,4-TRIMETHYLPENTANE	0.617	0.647	-4.9	95	0.00	11.12
		----------	True	Calc.	% Drift	----------		
42	m	1,4-DIOXANE	10.000	8.136	18.6	89	0.00	11.16
		----------	AvgRF	CCRF	% Dev	----------		
43	m	HEPTANE	0.182	0.176	3.3	91	0.00	11.36
44	m	METHYL ISOBUTYL KETONE	0.225	0.200	11.1	86	0.00	11.98
45	m	cis-1,3-DICHLOROPROPENE	0.198	0.190	4.0	91	0.00	11.94
46	m	TOLUENE	0.280	0.252	10.0	85	0.00	12.89
		----------	True	Calc.	% Drift	----------		
47	m	trans-1,3-DICHLOROPROPENE	10.000	7.072	29.3	78	0.00	12.44
		----------	AvgRF	CCRF	% Dev	----------		
48	m	1,1,2-TRICHLOROETHANE	0.163	0.131	19.6	88	0.00	12.62
49	I	CHLOROBENZENE-D5	1.000	1.000	0.0	101	0.00	14.67
		----------	True	Calc.	% Drift	----------		
50	m	2-HEXANONE	10.000	7.381	26.2	82	0.00	13.15
		----------	AvgRF	CCRF	% Dev	----------		
51	m	TETRACHLOROETHYLENE	0.338	0.272	19.5	91	0.00	14.01
52	m	DIBROMOCHLOROMETHANE	0.544	0.414	23.9	88	0.00	13.33
53	m	1,2-DIBROMOETHANE	0.335	0.284	15.2	89	0.00	13.57
54	m	CHLOROBENZENE	0.465	0.436	6.2	90	0.00	14.71
55	m	ETHYLBENZENE	0.680	0.654	3.8	88	0.00	15.09
		----------	True	Calc.	% Drift	----------		
56	m	m,p-XYLENE	20.000	15.871	20.6	89	0.00	15.28
57	m	o-XYLENE	10.000	7.994	20.1	90	0.00	15.78
58	m	STYRENE	10.000	8.041	19.6	91	0.00	15.67
		----------	AvgRF	CCRF	% Dev	----------		
59	m	NONANE	0.288	0.279	3.1	95	0.00	15.97
60	m	BROMOFORM	0.553	0.446	19.3	90	0.00	15.40
61	S	4-BROMOFLUOROBENZENE	0.513	0.649	-26.5	101	0.00	16.29
62	m	1,1,2,2-TETRACHLOROETHANE	0.469	0.409	12.8	96	0.00	15.79
63	m	ISOPROPYLBENZENE	0.885	0.823	7.0	92	0.00	16.43
64	m	2-CHLOROTOLUENE	0.583	0.559	4.1	95	0.00	16.98
		----------	True	Calc.	% Drift	----------		
65	m	4-ETHYLTOLUENE	10.000	7.775	22.2	88	0.00	17.17
		----------	AvgRF	CCRF	% Dev	----------		
66	m	1,3,5-TRIMETHYLBENZENE	0.696	0.670	3.7	94	0.00	17.25
		----------	True	Calc.	% Drift	----------		
67	m	1,2,4-TRIMETHYLBENZENE	10.000	8.257	17.4	97	0.00	17.72
		----------	AvgRF	CCRF	% Dev	----------		
68	m	m-DICHLOROBENZENE	0.497	0.486	2.2	106	0.00	17.91

Initial Calibration Verification

Job Number: M64809 **Sample:** MSJ533-ICV533
Account: GEI GEI Consultants, Inc. **Lab FileID:** J10286.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

```
            ----------------------- True    Calc.   % Drift  ------------
69 m   BENZYL CHLORIDE            10.000   9.896      1.0  104   0.00   17.89

            ----------------------- AvgRF   CCRF     % Dev   -------------
70 m   p-DICHLOROBENZENE           0.455   0.457     -0.4  105   0.00   17.98
71 m   o-DICHLOROBENZENE           0.443   0.431      2.7  105   0.00   18.37

            ----------------------- True    Calc.   % Drift  ------------
72 m   HEXACHLOROBUTADIENE        10.000  11.870    -18.7  126   0.00   20.76

            ----------------------- AvgRF   CCRF     % Dev   -------------
73 m   1,2,4-TRICHLOROBENZENE      0.144   0.201    -39.6# 151   0.00   20.27
74 m   NAPHTHALENE                          ----------NA----------
-------------------------------------------------------------------------------

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

   (#) = Out of Range               SPCC's out = 0  CCC's out = 0
    J10281.D   J050907T.M       Thu May 10 11:11:41 2007
```

Continuing Calibration Summary

Job Number: M64809 **Sample:** MSJ537-CC533
Account: GEI GEI Consultants, Inc. **Lab FileID:** J10367.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\J10367.D Vial: 1
Acq On : 15 May 2007 12:03 pm Operator: PhilipB
Sample : CC533-10 (M054) Inst : MSJ
Misc : MS13540, MSJ537,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 11:09:51 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	83	0.00	8.63
2	m	DICHLORODIFLUOROMETHANE	3.514	3.628	-3.2	93	0.00	4.06
3	m	PROPYLENE	0.402	0.499	-24.1	92	0.00	3.99
4	m	FREON 114	2.963	2.872	3.1	89	0.00	4.32
5	m	CHLOROMETHANE	0.652	0.669	-2.6	92	0.00	4.23
6	m	VINYL CHLORIDE	0.819	0.824	-0.6	88	0.00	4.45
7	m	1,3-BUTADIENE	0.494	0.546	-10.5	88	0.00	4.58
8	m	BROMOMETHANE	0.992	1.010	-1.8	91	0.00	4.85
9	m	CHLOROETHANE	0.334	0.405	-21.3	96	0.00	5.03
10	m	TRICHLOROFLUOROMETHANE	3.579	3.477	2.8	91	0.00	5.79
11	m	ISOPROPYL ALCOHOL	0.754	0.857	-13.7	91	0.03	5.95
		----------	True	Calc.	% Drift	----------		
12	m	ACETONE	10.000	9.426	5.7	86	0.00	5.66
		----------	AvgRF	CCRF	% Dev	----------		
13	m	PENTANE	0.602	0.672	-11.6	94	0.00	6.13
14	m	1,1-DICHLOROETHYLENE	0.895	0.898	-0.3	82	0.00	6.42
15	m	CARBON DISULFIDE	2.710	2.600	4.1	88	0.00	6.85
16	m	ETHANOL	0.118	0.145	-22.9	97	0.01	5.22
17	m	BROMOETHENE	0.902	1.005	-11.4	91	0.00	5.38
		----------	True	Calc.	% Drift	----------		
18	m	METHYLENE CHLORIDE	10.000	9.637	3.6	90	0.00	6.55
		----------	AvgRF	CCRF	% Dev	----------		
19	m	3-CHLOROPROPENE	0.579	0.611	-5.5	95	0.00	6.66
20	m	FREON 113	2.191	2.074	5.3	89	0.00	6.79
21	m	TRANS-1,2-DICHLOROETHYLEN	0.870	0.895	-2.9	90	0.00	7.45
22	m	TERTIARY BUTYL ALCOHOL	1.032	1.185	-14.8	90	0.02	6.55
23	m	METHYL TERTIARY BUTYL ETH	1.584	1.639	-3.5	86	0.00	7.73
24	m	TETRAHYDROFURAN	0.435	0.479	-10.1	87	0.00	9.18
25	m	HEXANE	0.967	0.876	9.4	88	0.00	8.63
26	m	VINYL ACETATE	0.967	0.831	14.1	72	0.00	7.80
27	m	1,1-DICHLOROETHANE	1.409	1.409	0.0	90	0.00	7.65
28	m	METHYL ETHYL KETONE	0.897	0.906	-1.0	85	0.00	8.08
29	m	cis-1,2-DICHLOROETHYLENE	0.809	0.797	1.5	85	0.00	8.46
30	m	ETHYL ACETATE	1.005	0.964	4.1	81	0.00	8.69
31	m	CHLOROFORM	2.075	2.025	2.4	90	0.00	8.74
32	m	1,1,1-TRICHLOROETHANE	2.408	2.417	-0.4	91	0.00	9.68
33	m	CARBON TETRACHLORIDE	3.165	3.308	-4.5	95	0.00	10.26
34	m	1,2-DICHLOROETHANE	1.143	1.102	3.6	89	0.00	9.45

Continuing Calibration Summary

Job Number: M64809 **Sample:** MSJ537-CC533
Account: GEI GEI Consultants, Inc. **Lab FileID:** J10367.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

35	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	82	0.00	10.44
36	m	BENZENE	0.427	0.444	-4.0	88	0.00	10.13
37	m	CYCLOHEXANE	0.198	0.241	-21.7	92	0.00	10.37
38	m	TRICHLOROETHYLENE	0.242	0.259	-7.0	92	0.00	11.12
39	m	1,2-DICHLOROPROPANE	0.144	0.144	0.0	89	0.00	10.90
40	m	BROMODICHLOROMETHANE	0.460	0.432	6.1	87	0.00	11.09
41	m	2,2,4-TRIMETHYLPENTANE	0.617	0.768	-24.5	92	0.00	11.12
		----------	True	Calc.	% Drift	----------		
42	m	1,4-DIOXANE	10.000	9.025	9.7	82	0.00	11.18
		----------	AvgRF	CCRF	% Dev	----------		
43	m	HEPTANE	0.182	0.219	-20.3	91	0.00	11.36
44	m	METHYL ISOBUTYL KETONE	0.225	0.251	-11.6	88	0.00	11.99
45	m	cis-1,3-DICHLOROPROPENE	0.198	0.228	-15.2	88	0.00	11.94
46	m	TOLUENE	0.280	0.323	-15.4	89	0.00	12.89
		----------	True	Calc.	% Drift	----------		
47	m	trans-1,3-DICHLOROPROPENE	10.000	7.437	25.6	68	0.00	12.45
		----------	AvgRF	CCRF	% Dev	----------		
48	m	1,1,2-TRICHLOROETHANE	0.163	0.169	-3.7	92	0.00	12.62
49	I	CHLOROBENZENE-D5	1.000	1.000	0.0	84	0.00	14.67
		----------	True	Calc.	% Drift	----------		
50	m	2-HEXANONE	10.000	8.416	15.8	79	0.01	13.17
		----------	AvgRF	CCRF	% Dev	----------		
51	m	TETRACHLOROETHYLENE	0.338	0.335	0.9	93	0.00	14.02
52	m	DIBROMOCHLOROMETHANE	0.544	0.509	6.4	90	0.00	13.33
53	m	1,2-DIBROMOETHANE	0.335	0.329	1.8	86	0.00	13.57
54	m	CHLOROBENZENE	0.465	0.519	-11.6	88	0.00	14.72
55	m	ETHYLBENZENE	0.680	0.807	-18.7	90	0.00	15.10
		----------	True	Calc.	% Drift	----------		
56	m	m,p-XYLENE	20.000	19.322	3.4	92	0.00	15.28
57	m	o-XYLENE	10.000	9.612	3.9	92	0.00	15.79
58	m	STYRENE	10.000	8.476	15.2	81	0.00	15.67
		----------	AvgRF	CCRF	% Dev	----------		
59	m	NONANE	0.288	0.334	-16.0	94	0.00	15.98
60	m	BROMOFORM	0.553	0.524	5.2	87	0.00	15.41
61	S	4-BROMOFLUOROBENZENE	0.513	0.635	-23.8	82	0.00	16.30
62	m	1,1,2,2-TETRACHLOROETHANE	0.469	0.496	-5.8	96	0.00	15.80
63	m	ISOPROPYLBENZENE	0.885	1.020	-15.3	94	0.00	16.43
64	m	2-CHLOROTOLUENE	0.583	0.672	-15.3	94	0.00	16.98
		----------	True	Calc.	% Drift	----------		
65	m	4-ETHYLTOLUENE	10.000	8.901	11.0	86	0.00	17.17
		----------	AvgRF	CCRF	% Dev	----------		
66	m	1,3,5-TRIMETHYLBENZENE	0.696	0.819	-17.7	95	0.00	17.26
		----------	True	Calc.	% Drift	----------		
67	m	1,2,4-TRIMETHYLBENZENE	10.000	9.549	4.5	96	0.00	17.72
		----------	AvgRF	CCRF	% Dev	----------		
68	m	m-DICHLOROBENZENE	0.497	0.489	1.6	88	0.00	17.91

Continuing Calibration Summary

Job Number: M64809 **Sample:** MSJ537-CC533
Account: GEI GEI Consultants, Inc. **Lab FileID:** J10367.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

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            ----------------------- True    Calc.   % Drift  ------------
69 m   BENZYL CHLORIDE            10.000   8.605     13.9   73   0.00   17.89

            ----------------------- AvgRF   CCRF     % Dev   -------------
70 m   p-DICHLOROBENZENE           0.455   0.431      5.3   82   0.00   17.98
71 m   o-DICHLOROBENZENE           0.443   0.472     -6.5   96   0.00   18.37

            ----------------------- True    Calc.   % Drift  ------------
72 m   HEXACHLOROBUTADIENE        10.000  15.078    -50.8# 135   0.00   20.76

            ----------------------- AvgRF   CCRF     % Dev   -------------
73 m   1,2,4-TRICHLOROBENZENE      0.144   0.142      1.4   88   0.00   20.27
74 m   NAPHTHALENE                          ----------NA----------
-------------------------------------------------------------------------------

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

   (#) = Out of Range               SPCC's out = 0  CCC's out = 0
    J10281.D   J050907T.M       Tue May 15 18:26:56 2007
```

Initial Calibration Summary

Job Number: M64809 **Sample:** MSQ180-ICC180
Account: GEI GEI Consultants, Inc. **Lab FileID:** Q3335.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Response Factor Report MAMSQ

Method : C:\msdchem\1\METHODS\Q050307T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration

Calibration Files
.2 =Q3339.D .5 =Q3338.D 2 =Q3337.D
5 =Q3336.D 10 =Q3335.D 20 =Q3334.D 40 =Q3333.D

Compound	.2	.5	2	5	10	20	40	Avg	%RSD
1) I BROMOCHLOROMETHANE	----------ISTD----------								
2)m DICHLORODIFLUOROM		4.348	3.151	4.055	3.751	5.409	4.004	4.120	18.18
3)m PROPYLENE		0.790	0.672	0.873	0.659	0.953	0.727	0.779	14.94
4)m FREON 114		3.562	2.806	3.345	3.452	4.303	3.546	3.502	13.74
5)m CHLOROMETHANE		0.903	0.760	0.887	0.898	0.994	0.848	0.882	8.69
6)m VINYL CHLORIDE	1.433	1.020	0.787	0.883	0.944	1.086	0.942	1.014	20.53
7)m 1,3-BUTADIENE		1.042	0.781	0.842	0.992	1.110	1.019	0.964	13.10
8)m BROMOMETHANE		0.903	0.840	0.955	1.013	1.206	1.066	0.997	12.98
9)m CHLOROETHANE	0.342	0.347	0.315	0.301	0.373	0.413	0.412	0.357	12.34
10)m TRICHLOROFLUOROME		5.572	3.406	4.134	4.576	4.909	5.357	4.659	17.26
11)m ISOPROPYL ALCOHOL		2.477	1.362	1.338	1.469	1.490	1.930	1.678	26.62
12)m ACETONE	4.524	3.060	1.654	1.413	1.570	1.634	1.870	2.247	50.98
----- Linear regression (equal Weighting)----- Coefficient = 0.9944									
Response Ratio = -0.10407 + 1.84391 *A									
13)m PENTANE		1.368	0.829	0.847	0.899	0.878	1.124	0.991	21.56
14)m 1,1-DICHLOROETHYL	1.728	1.052	0.740	0.738	0.852	0.870	1.090	1.010	34.19
----- Quadratic regression ----- Coefficient = 0.9997									
Response Ratio = 0.02146 + 0.66992 *A + 0.10339 *A^2									
15)m CARBON DISULFIDE		2.949	2.225	2.571	2.530	2.452	3.043	2.628	11.81
16)m ETHANOL	0.612	0.486	0.272	0.244	0.263	0.271	0.291	0.348	40.85
----- Linear regression (equal Weighting)----- Coefficient = 0.9980									
Response Ratio = -0.00863 + 0.28880 *A									
17)m BROMOETHENE	1.650	1.072	0.829	0.910	0.970	1.085	1.112	1.090	24.56
18)m METHYLENE CHLORID		1.630	1.509	1.295	1.516	1.583		1.506	8.52
19)m 3-CHLOROPROPENE		0.925	0.765	0.945	1.107	1.211	1.509	1.077	24.32
20)m FREON 113		2.170	1.403	1.633	1.912	2.123	2.611	1.975	21.63
21)m TRANS-1,2-DICHLOR	1.306	0.819	0.706	0.740	0.854	0.795	0.940	0.880	23.05
22)m TERTIARY BUTYL AL	2.593	1.919	1.244	1.519	1.813	1.726	2.390	1.886	24.98
23)m METHYL TERTIARY B	1.775	1.800	1.635	1.739	1.957	1.813	2.178	1.842	9.57
24)m TETRAHYDROFURAN	0.572	0.693	0.682	0.696	0.706	0.783	0.962	0.728	16.53
25)m HEXANE	2.074	1.286	1.241	1.324	1.329	1.385	1.419	1.437	19.99
26)m VINYL ACETATE	1.656	1.558	1.583	1.572	1.784	1.903	2.316	1.767	15.46
27)m 1,1-DICHLOROETHAN	2.257	1.768	1.383	1.354	1.597	1.555	1.858	1.682	18.64
28)m METHYL ETHYL KETO	1.924	1.726	1.388	1.338	1.457	1.592	1.924	1.621	15.03
29)m cis-1,2-DICHLOROE	0.946	0.787	0.674	0.696	0.793	0.775	0.958	0.804	13.78
30)m ETHYL ACETATE	3.578	2.817	2.540	2.472	2.663	2.875	3.469	2.916	15.06
31)m CHLOROFORM	3.252	2.493	1.911	1.880	2.032	2.253	2.825	2.378	21.57
32)m 1,1,1-TRICHLOROET	3.354	2.588	2.059	1.833	2.061	2.463	3.165	2.503	23.13
33)m CARBON TETRACHLOR	3.965	3.191	2.379	2.203	2.503	2.955	3.925	3.017	23.80
34)m 1,2-DICHLOROETHAN	1.767	1.531	1.295	1.068	1.136	1.438	1.776	1.430	19.77
35) I 1,4-DIFLUOROBENZENE	----------ISTD----------								
36)m BENZENE	0.629	0.483	0.399	0.378	0.422	0.420	0.537	0.467	19.20

Initial Calibration Summary

Job Number: M64809 **Sample:** MSQ180-ICC180
Account: GEI GEI Consultants, Inc. **Lab FileID:** Q3335.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

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37)m CYCLOHEXANE       0.171 0.189 0.166 0.189 0.195 0.181 0.210 0.186   8.11
38)m TRICHLOROETHYLENE 0.350 0.289 0.225 0.225 0.249 0.247 0.357 0.277  20.26
39)m 1,2-DICHLOROPROPA 0.188 0.173 0.148 0.153 0.164 0.144 0.198 0.167  12.43
40)m BROMODICHLOROMETH 0.534 0.481 0.380 0.371 0.415 0.426 0.620 0.461  19.63
41)m 2,2,4-TRIMETHYLPE 0.804 0.779 0.640 0.662 0.754 0.744 1.000 0.769  15.37
42)m 1,4-DIOXANE             0.086 0.073 0.081 0.087 0.077 0.105 0.085  13.19
43)m HEPTANE           0.270 0.264 0.243 0.258 0.295 0.305 0.414 0.293  19.65
44)m METHYL ISOBUTYL K 0.331 0.350 0.344 0.345 0.392 0.409 0.551 0.389  19.77
45)m cis-1,3-DICHLOROP 0.278 0.218 0.222 0.215 0.244 0.247 0.353 0.254  19.20
46)m TOLUENE           0.312 0.258 0.263 0.251 0.292 0.280 0.380 0.291  15.38
47)m trans-1,3-DICHLOR 0.143 0.115 0.165 0.151 0.187 0.190       0.159  17.82
48)m 1,1,2-TRICHLOROET 0.223 0.176 0.160 0.150 0.172 0.161       0.174  14.82

49) I   CHLOROBENZENE-D5      ----------------ISTD---------------------
50)m 2-HEXANONE        0.283 0.265 0.326 0.332 0.375 0.389 0.563 0.362  27.38
51)m TETRACHLOROETHYLE 0.326 0.289 0.232 0.228 0.261 0.250       0.264  14.15
52)m DIBROMOCHLOROMETH 0.539 0.457 0.469 0.434 0.480 0.526 0.764 0.524  21.39
53)m 1,2-DIBROMOETHANE 0.401 0.364 0.346 0.334 0.357 0.351 0.495 0.378  14.68
54)m CHLOROBENZENE     0.610 0.531 0.478 0.464 0.473 0.464 0.610 0.518  12.85
55)m ETHYLBENZENE      0.741 0.723 0.736 0.726 0.778 0.754 1.085 0.792  16.51
56)m m,p-XYLENE        0.271 0.266 0.300 0.300 0.300 0.281 0.418 0.305  17.01
57)m o-XYLENE          0.247 0.260 0.298 0.304 0.306 0.277 0.433 0.304  20.19
58)m STYRENE           0.182 0.234 0.337 0.353 0.382 0.365       0.309  26.29
59)m NONANE            0.386 0.420 0.458 0.474 0.488 0.509 0.707 0.492  21.07
60)m BROMOFORM         0.352 0.342 0.350 0.338 0.390 0.407       0.363   7.78
61)S 4-BROMOFLUOROBENZ 0.700 0.672 0.751 0.797 0.774 0.818 0.927 0.777  10.80
62)m 1,1,2,2-TETRACHLO 0.720 0.608 0.491 0.507 0.510 0.468 0.700 0.572  18.22
63)m ISOPROPYLBENZENE  0.803 0.827 0.844 0.828 0.843 0.825       0.828   1.80
64)m 2-CHLOROTOLUENE   0.622 0.592 0.619 0.576 0.624 0.687       0.620   6.13
65)m 4-ETHYLTOLUENE    0.451 0.532 0.669 0.613 0.686 0.779       0.622  18.85
66)m 1,3,5-TRIMETHYLBE 0.671 0.719 0.693 0.648 0.701 0.792       0.704   7.07
67)m 1,2,4-TRIMETHYLBE 0.493 0.603 0.602 0.593 0.652 0.734       0.613  12.88
68)m m-DICHLOROBENZENE 0.393 0.412 0.332 0.348 0.364 0.384       0.372   7.96
69)m BENZYL CHLORIDE   0.244 0.263 0.247 0.271 0.346 0.406       0.296  21.98
70)m p-DICHLOROBENZENE 0.316 0.347 0.305 0.334 0.300 0.340       0.324   6.01
71)m o-DICHLOROBENZENE 0.547 0.521 0.331 0.353 0.358 0.368       0.413  22.93
72)m HEXACHLOROBUTADIE       0.525 0.069 0.133 0.152 0.109 0.240 0.205  81.66
         ----- Quadratic regression -----  Coefficient =  0.9900
              Response Ratio = 0.03746 + -0.00266 *A + 0.05791 *A^2

73)m 1,2,4-TRICHLOROBE 0.201 0.149 0.033 0.064 0.073 0.063 0.159 0.106  59.30
         ----- Quadratic regression -----  Coefficient =  0.9931
              Response Ratio = 0.01428 + -0.01488 *A + 0.04232 *A^2

74)m NAPHTHALENE                                                0.000  -1.00
-------------------------------------------------------------------------------
(#) = Out of Range

          Q050307T.m        Fri May 04 15:11:57 2007   RPT1
```

Initial Calibration Verification

Job Number: M64809 **Sample:** MSQ181-ICV180
Account: GEI GEI Consultants, Inc. **Lab FileID:** Q3341A.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\Q3341A.D Vial: 3
Acq On : 4 May 2007 3:31 pm Operator: PhilipB
Sample : ICV180-10 (M148) Inst : MAMSQ
Misc : MS13500,MSQ181,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\msdchem\1\METHODS\Q050307T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri May 04 15:09:53 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)	RT Window
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	108	0.00	8.44- 8.85
2	m	DICHLORODIFLUOROMETHAN	4.120	3.612	12.3	104	0.00	3.83- 4.24
3	m	PROPYLENE	0.779	0.715	8.2	117	0.00	3.76- 4.17
4	m	FREON 114	3.502	3.066	12.5	96	0.00	4.09- 4.51
5	m	CHLOROMETHANE	0.882	0.786	10.9	95	0.00	3.99- 4.40
6	m	VINYL CHLORIDE	1.014	0.842	17.0	97	0.00	4.22- 4.63
7	m	1,3-BUTADIENE	0.964	0.900	6.6	98	0.00	4.36- 4.77
8	m	BROMOMETHANE	0.997	0.941	5.6	101	0.00	4.63- 5.04
9	m	CHLOROETHANE	0.357	0.345	3.4	100	0.00	4.81- 5.22
10	m	TRICHLOROFLUOROMETHANE	4.659	4.380	6.0	104	0.00	5.59- 6.00
11	m	ISOPROPYL ALCOHOL	1.678	1.512	9.9	111	0.00	5.59- 6.07
		----------	True	Calc.	% Drift	----------		
12	m	ACETONE	10.000	9.107	8.9	109	0.00	5.40- 5.81
		----------	AvgRF	CCRF	% Dev	----------		
13	m	PENTANE	0.991	0.951	4.0	114	0.00	5.99- 6.30
		----------	True	Calc.	% Drift	----------		
14	m	1,1-DICHLOROETHYLENE	10.000	10.648	-6.5	108	0.00	6.23- 6.64
		----------	AvgRF	CCRF	% Dev	----------		
15	m	CARBON DISULFIDE	2.628	2.525	3.9	108	0.00	6.66- 7.07
		----------	True	Calc.	% Drift	----------		
16	m	ETHANOL	10.000	9.520	4.8	110	0.00	4.86- 5.32
		----------	AvgRF	CCRF	% Dev	----------		
17	m	BROMOETHENE	1.090	0.899	17.5	100	0.00	5.17- 5.58
18	m	METHYLENE CHLORIDE	1.506	1.605	-6.6	115	0.00	6.40- 6.70
19	m	3-CHLOROPROPENE	1.077	1.118	-3.8	109	0.00	6.46- 6.87
20	m	FREON 113	1.975	1.978	-0.2	112	0.00	6.60- 7.01
21	m	TRANS-1,2-DICHLOROETHY	0.880	0.829	5.8	105	0.00	7.27- 7.68
22	m	TERTIARY BUTYL ALCOHOL	1.886	1.776	5.8	106	0.00	6.18- 6.70
23	m	METHYL TERTIARY BUTYL	1.842	1.871	-1.6	104	0.00	7.51- 7.92
24	m	TETRAHYDROFURAN	0.728	0.621	14.7	95	0.00	9.00- 9.29
25	m	HEXANE	1.437	1.224	14.8	100	0.00	8.47- 8.88
26	m	VINYL ACETATE	1.767	1.748	1.1	106	0.00	7.62- 7.97
27	m	1,1-DICHLOROETHANE	1.682	1.591	5.4	108	0.00	7.47- 7.88
28	m	METHYL ETHYL KETONE	1.621	1.358	16.2	101	0.00	7.80- 8.28
29	m	cis-1,2-DICHLOROETHYLE	0.804	0.658	18.2	90	0.00	8.27- 8.69
30	m	ETHYL ACETATE	2.916	2.465	15.5	100	0.00	8.46- 8.88

Initial Calibration Verification

Job Number: M64809 **Sample:** MSQ181-ICV180
Account: GEI GEI Consultants, Inc. **Lab FileID:** Q3341A.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

31	m	CHLOROFORM	2.378	1.944	18.3	104	0.00	8.56- 8.97
32	m	1,1,1-TRICHLOROETHANE	2.503	1.969	21.3	103	0.00	9.51- 9.92
33	m	CARBON TETRACHLORIDE	3.017	2.461	18.4	106	0.00	10.10-10.51
34	m	1,2-DICHLOROETHANE	1.430	1.080	24.5	103	0.00	9.27- 9.68
35	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	106	0.00	10.27-10.68
36	m	BENZENE	0.467	0.372	20.3	94	0.00	9.95-10.37
37	m	CYCLOHEXANE	0.186	0.173	7.0	94	0.00	10.22-10.63
38	m	TRICHLOROETHYLENE	0.277	0.237	14.4	101	0.00	11.00-11.31
39	m	1,2-DICHLOROPROPANE	0.167	0.135	19.2	88	0.00	10.73-11.14
40	m	BROMODICHLOROMETHANE	0.461	0.402	12.8	103	0.00	10.96-11.27
41	m	2,2,4-TRIMETHYLPENTANE	0.769	0.684	11.1	97	0.00	10.98-11.39
42	m	1,4-DIOXANE	0.085	0.077	9.4	94	0.00	10.88-11.41
43	m	HEPTANE	0.293	0.275	6.1	99	0.00	11.26-11.57
44	m	METHYL ISOBUTYL KETONE	0.389	0.377	3.1	102	0.00	11.77-12.20
45	m	cis-1,3-DICHLOROPROPEN	0.254	0.216	15.0	94	0.00	11.77-12.18
46	m	TOLUENE	0.291	0.257	11.7	94	0.00	12.73-13.14
47	m	trans-1,3-DICHLOROPROP	0.159	0.162	-1.9	92	0.00	12.32-12.63
48	m	1,1,2-TRICHLOROETHANE	0.174	0.148	14.9	91	0.00	12.48-12.84
49	I	CHLOROBENZENE-D5	1.000	1.000	0.0	105	0.00	14.57-14.88
50	m	2-HEXANONE	0.362	0.338	6.6	95	0.00	12.95-13.36
51	m	TETRACHLOROETHYLENE	0.264	0.228	13.6	92	0.00	13.87-14.28
52	m	DIBROMOCHLOROMETHANE	0.524	0.444	15.3	97	0.00	13.18-13.55
53	m	1,2-DIBROMOETHANE	0.378	0.304	19.6	89	0.00	13.46-13.77
54	m	CHLOROBENZENE	0.518	0.419	19.1	93	0.00	14.61-14.92
55	m	ETHYLBENZENE	0.792	0.682	13.9	92	0.00	14.97-15.33
56	m	m,p-XYLENE	0.305	0.270	11.5	94	-0.02	15.14-15.50
57	m	o-XYLENE	0.304	0.273	10.2	94	0.00	15.66-16.02
58	m	STYRENE	0.309	0.326	-5.5	90	0.00	15.57-15.88
59	m	NONANE	0.492	0.472	4.1	101	0.00	15.89-16.20
60	m	BROMOFORM	0.363	0.351	3.3	95	0.00	15.28-15.59
61	S	4-BROMOFLUOROBENZENE	0.777	0.816	-5.0	111	0.00	16.18-16.49
62	m	1,1,2,2-TETRACHLOROETH	0.572	0.454	20.6	94	0.00	15.67-15.98
63	m	ISOPROPYLBENZENE	0.828	0.785	5.2	98	0.00	16.33-16.64
64	m	2-CHLOROTOLUENE	0.620	0.594	4.2	100	0.00	16.83-17.24
65	m	4-ETHYLTOLUENE	0.622	0.655	-5.3	100	0.00	17.09-17.36
66	m	1,3,5-TRIMETHYLBENZENE	0.704	0.686	2.6	103	0.00	17.18-17.44
67	m	1,2,4-TRIMETHYLBENZENE	0.613	0.639	-4.2	103	0.00	17.62-17.93
68	m	m-DICHLOROBENZENE	0.372	0.341	8.3	98	0.00	17.79-18.12
69	m	BENZYL CHLORIDE	0.296	0.309	-4.4	94	0.00	17.78-18.09
70	m	p-DICHLOROBENZENE	0.324	0.268	17.3	94	0.00	17.91-18.15
71	m	o-DICHLOROBENZENE	0.413	0.335	18.9	98	0.00	18.26-18.57
			True	Calc.	% Drift			
72	m	HEXACHLOROBUTADIENE	10.000	14.753	-47.5#	110	0.00	20.61-21.02
73	m	1,2,4-TRICHLOROBENZENE	10.000	13.036	-30.4#	96	0.00	20.11-20.53
			AvgRF	CCRF	% Dev			
74	m	NAPHTHALENE			NA			

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Q3335.D Q050307T.m Tue May 22 09:17:54 2007 RPT1

Continuing Calibration Summary

Job Number: M64809 **Sample:** MSQ183-CC180
Account: GEI GEI Consultants, Inc. **Lab FileID:** Q3366.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Evaluate Continuing Calibration Report

```
Data File : C:\msdchem\1\DATA\Q3366.D                    Vial: 3
Acq On    :  8 May 2007  12:16 pm                   Operator: PhilipB
Sample    : CC180-10 (M148)                         Inst    : MAMSQ
Misc      : MS13508,MSQ183,,,,,1                    Multiplr: 1.00
MS Integration Params: LSCINT.P

Method       : C:\msdchem\1\METHODS\Q050307T.m (RTE Integrator)
Title        :  TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update  : Fri May 04 15:09:53 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)	RT Window
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	94	0.00	8.43- 8.84
2	m	DICHLORODIFLUOROMETHAN	4.120	4.405	-6.9	111	0.00	3.83- 4.24
3	m	PROPYLENE	0.779	0.948	-21.7	136	0.00	3.76- 4.17
4	m	FREON 114	3.502	3.748	-7.0	103	0.00	4.09- 4.50
5	m	CHLOROMETHANE	0.882	1.062	-20.4	112	0.00	3.99- 4.40
6	m	VINYL CHLORIDE	1.014	0.979	3.5	98	0.00	4.21- 4.62
7	m	1,3-BUTADIENE	0.964	1.057	-9.6	101	-0.01	4.35- 4.76
8	m	BROMOMETHANE	0.997	1.134	-13.7	106	0.00	4.63- 5.04
9	m	CHLOROETHANE	0.357	0.391	-9.5	99	0.00	4.80- 5.21
10	m	TRICHLOROFLUOROMETHANE	4.659	4.803	-3.1	99	-0.01	5.58- 5.99
11	m	ISOPROPYL ALCOHOL	1.678	1.374	18.1	88	0.00	5.59- 6.06
		----------	True	Calc.	% Drift		----------	
12	m	ACETONE	10.000	8.723	12.8	91	0.00	5.39- 5.80
		----------	AvgRF	CCRF	% Dev		----------	
13	m	PENTANE	0.991	1.220	-23.1	128	0.00	5.99- 6.30
		----------	True	Calc.	% Drift		----------	
14	m	1,1-DICHLOROETHYLENE	10.000	12.193	-21.9	110	0.00	6.22- 6.64
		----------	AvgRF	CCRF	% Dev		----------	
15	m	CARBON DISULFIDE	2.628	3.122	-18.8	117	0.00	6.65- 7.07
		----------	True	Calc.	% Drift		----------	
16	m	ETHANOL	10.000	9.158	8.4	92	-0.01	4.85- 5.32
		----------	AvgRF	CCRF	% Dev		----------	
17	m	BROMOETHENE	1.090	1.033	5.2	101	0.00	5.16- 5.58
18	m	METHYLENE CHLORIDE	1.506	1.961	-30.2#	122	0.00	6.39- 6.69
19	m	3-CHLOROPROPENE	1.077	1.124	-4.4	96	0.00	6.46- 6.87
20	m	FREON 113	1.975	2.473	-25.2	122	0.00	6.60- 7.01
21	m	TRANS-1,2-DICHLOROETHY	0.880	1.018	-15.7	113	0.00	7.26- 7.68
22	m	TERTIARY BUTYL ALCOHOL	1.886	1.629	13.6	85	0.00	6.17- 6.69
23	m	METHYL TERTIARY BUTYL	1.842	1.663	9.7	80	0.00	7.50- 7.92
24	m	TETRAHYDROFURAN	0.728	0.629	13.6	84	0.00	9.00- 9.29
25	m	HEXANE	1.437	1.537	-7.0	109	0.00	8.46- 8.88
26	m	VINYL ACETATE	1.767	1.689	4.4	89	0.00	7.62- 7.97
27	m	1,1-DICHLOROETHANE	1.682	1.789	-6.4	106	0.00	7.46- 7.88
28	m	METHYL ETHYL KETONE	1.621	1.340	17.3	87	0.00	7.80- 8.28
29	m	cis-1,2-DICHLOROETHYLE	0.804	0.702	12.7	84	0.00	8.27- 8.68
30	m	ETHYL ACETATE	2.916	2.839	2.6	101	0.00	8.46- 8.88

Continuing Calibration Summary

Job Number: M64809 **Sample:** MSQ183-CC180
Account: GEI GEI Consultants, Inc. **Lab FileID:** Q3366.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

31	m	CHLOROFORM	2.378	2.182	8.2	101	0.00	8.55- 8.96
32	m	1,1,1-TRICHLOROETHANE	2.503	2.222	11.2	102	0.00	9.51- 9.92
33	m	CARBON TETRACHLORIDE	3.017	2.975	1.4	112	0.00	10.09-10.51
34	m	1,2-DICHLOROETHANE	1.430	1.206	15.7	100	0.00	9.26- 9.67
35	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	98	0.00	10.26-10.68
36	m	BENZENE	0.467	0.391	16.3	91	0.00	9.95-10.37
37	m	CYCLOHEXANE	0.186	0.204	-9.7	102	0.00	10.21-10.62
38	m	TRICHLOROETHYLENE	0.277	0.270	2.5	106	0.00	11.00-11.31
39	m	1,2-DICHLOROPROPANE	0.167	0.146	12.6	87	0.00	10.73-11.14
40	m	BROMODICHLOROMETHANE	0.461	0.418	9.3	99	0.00	10.96-11.27
41	m	2,2,4-TRIMETHYLPENTANE	0.769	0.771	-0.3	100	0.00	10.97-11.39
42	m	1,4-DIOXANE	0.085	0.076	10.6	86	0.00	10.88-11.41
43	m	HEPTANE	0.293	0.290	1.0	96	0.00	11.26-11.57
44	m	METHYL ISOBUTYL KETONE	0.389	0.386	0.8	96	0.00	11.77-12.20
45	m	cis-1,3-DICHLOROPROPEN	0.254	0.212	16.5	85	0.00	11.77-12.18
46	m	TOLUENE	0.291	0.256	12.0	86	0.00	12.73-13.14
47	m	trans-1,3-DICHLOROPROP	0.159	0.140	11.9	73	0.00	12.32-12.63
48	m	1,1,2-TRICHLOROETHANE	0.174	0.162	6.9	92	0.00	12.48-12.84
49	I	CHLOROBENZENE-D5	1.000	1.000	0.0	96	0.00	14.57-14.88
50	m	2-HEXANONE	0.362	0.341	5.8	87	0.00	12.96-13.36
51	m	TETRACHLOROETHYLENE	0.264	0.222	15.9	82	0.00	13.87-14.28
52	m	DIBROMOCHLOROMETHANE	0.524	0.473	9.7	95	0.00	13.18-13.55
53	m	1,2-DIBROMOETHANE	0.378	0.327	13.5	88	0.00	13.46-13.77
54	m	CHLOROBENZENE	0.518	0.454	12.4	92	0.00	14.61-14.92
55	m	ETHYLBENZENE	0.792	0.705	11.0	87	0.00	14.96-15.32
56	m	m,p-XYLENE	0.305	0.299	2.0	96	-0.02	15.14-15.50
57	m	o-XYLENE	0.304	0.307	-1.0	96	0.00	15.66-16.02
58	m	STYRENE	0.309	0.309	0.0	78	0.00	15.57-15.88
59	m	NONANE	0.492	0.545	-10.8	107	0.00	15.89-16.20
60	m	BROMOFORM	0.363	0.380	-4.7	94	0.00	15.28-15.59
61	S	4-BROMOFLUOROBENZENE	0.777	0.858	-10.4	107	0.00	16.19-16.50
62	m	1,1,2,2-TETRACHLOROETH	0.572	0.559	2.3	105	0.00	15.67-15.98
63	m	ISOPROPYLBENZENE	0.828	0.834	-0.7	95	0.00	16.33-16.64
64	m	2-CHLOROTOLUENE	0.620	0.610	1.6	94	0.00	16.83-17.24
65	m	4-ETHYLTOLUENE	0.622	0.674	-8.4	94	0.00	17.09-17.36
66	m	1,3,5-TRIMETHYLBENZENE	0.704	0.720	-2.3	99	0.00	17.18-17.44
67	m	1,2,4-TRIMETHYLBENZENE	0.613	0.627	-2.3	92	0.00	17.62-17.93
68	m	m-DICHLOROBENZENE	0.372	0.323	13.2	85	0.00	17.79-18.12
69	m	BENZYL CHLORIDE	0.296	0.273	7.8	76	0.00	17.78-18.09
70	m	p-DICHLOROBENZENE	0.324	0.261	19.4	84	0.00	17.91-18.15
71	m	o-DICHLOROBENZENE	0.413	0.309	25.2	83	0.00	18.26-18.57
		----------	True	Calc.	% Drift		----------	
72	m	HEXACHLOROBUTADIENE	10.000	14.283	-42.8#	96	0.00	20.60-21.02
73	m	1,2,4-TRIMETHYLBENZENE	10.000	10.104	-1.0	56	0.00	20.11-20.53
		----------	AvgRF	CCRF	% Dev		----------	
74	m	NAPHTHALENE		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Q3335.D Q050307T.m Wed May 09 13:46:24 2007 RPT1

Continuing Calibration Summary

Job Number: M64809 **Sample:** MSQ184-CC180
Account: GEI GEI Consultants, Inc. **Lab FileID:** Q3372.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Evaluate Continuing Calibration Report

```
Data File : C:\msdchem\1\DATA\Q3372.D                    Vial: 3
Acq On    :  9 May 2007   1:11 pm                   Operator: PhilipB
Sample    : CC180-10 (M148)                         Inst    : MAMSQ
Misc      : MS13535,MSQ184,,,,,1                    Multiplr: 1.00
MS Integration Params: LSCINT.P

Method       : C:\msdchem\1\METHODS\Q050307T.m (RTE Integrator)
Title        :  TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update  : Fri May 04 15:09:53 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)	RT Window
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	118	0.00	8.43- 8.85
2	m	DICHLORODIFLUOROMETHAN	4.120	5.471	-32.8#	172	0.00	3.83- 4.24
3	m	PROPYLENE	0.779	1.004	-28.9	180#	0.00	3.76- 4.18
4	m	FREON 114	3.502	4.635	-32.4#	159	0.00	4.09- 4.50
5	m	CHLOROMETHANE	0.882	1.322	-49.9#	174	0.00	3.99- 4.40
6	m	VINYL CHLORIDE	1.014	1.265	-24.8	158	0.00	4.22- 4.63
7	m	1,3-BUTADIENE	0.964	1.329	-37.9#	158	0.00	4.35- 4.77
8	m	BROMOMETHANE	0.997	1.435	-43.9#	167	0.00	4.63- 5.04
9	m	CHLOROETHANE	0.357	0.467	-30.8#	148	0.00	4.80- 5.21
10	m	TRICHLOROFLUOROMETHANE	4.659	5.621	-20.6	145	0.00	5.59- 6.00
11	m	ISOPROPYL ALCOHOL	1.678	1.584	5.6	127	0.00	5.59- 6.06
		----------	True	Calc.	% Drift	----------		
12	m	ACETONE	10.000	9.992	0.1	131	0.00	5.39- 5.81
		----------	AvgRF	CCRF	% Dev	----------		
13	m	PENTANE	0.991	1.383	-39.6#	182#	0.00	5.99- 6.30
		----------	True	Calc.	% Drift	----------		
14	m	1,1-DICHLOROETHYLENE	10.000	15.232	-52.3#	178	0.00	6.23- 6.64
		----------	AvgRF	CCRF	% Dev	----------		
15	m	CARBON DISULFIDE	2.628	3.986	-51.7#	186#	0.00	6.66- 7.07
		----------	True	Calc.	% Drift	----------		
16	m	ETHANOL	10.000	9.465	5.4	119	-0.01	4.85- 5.32
		----------	AvgRF	CCRF	% Dev	----------		
17	m	BROMOETHENE	1.090	1.269	-16.4	154	0.00	5.16- 5.57
18	m	METHYLENE CHLORIDE	1.506	1.018	32.4#	79	0.00	6.40- 6.70
19	m	3-CHLOROPROPENE	1.077	1.364	-26.6	145	0.00	6.46- 6.87
20	m	FREON 113	1.975	2.612	-32.3#	161	0.00	6.60- 7.01
21	m	TRANS-1,2-DICHLOROETHY	0.880	1.212	-37.7#	168	0.00	7.27- 7.68
22	m	TERTIARY BUTYL ALCOHOL	1.886	2.006	-6.4	131	0.00	6.17- 6.69
23	m	METHYL TERTIARY BUTYL	1.842	2.271	-23.3	137	0.00	7.51- 7.92
24	m	TETRAHYDROFURAN	0.728	0.923	-26.8	154	0.00	9.01- 9.29
25	m	HEXANE	1.437	1.511	-5.1	134	0.00	8.47- 8.88
26	m	VINYL ACETATE	1.767	2.361	-33.6#	156	0.00	7.62- 7.97
27	m	1,1-DICHLOROETHANE	1.682	2.269	-34.9#	168	0.00	7.47- 7.88
28	m	METHYL ETHYL KETONE	1.621	1.991	-22.8	161	0.00	7.80- 8.28
29	m	cis-1,2-DICHLOROETHYLE	0.804	1.001	-24.5	149	0.00	8.27- 8.69
30	m	ETHYL ACETATE	2.916	3.550	-21.7	157	0.00	8.46- 8.88

Continuing Calibration Summary

Job Number: M64809 **Sample:** MSQ184-CC180
Account: GEI GEI Consultants, Inc. **Lab FileID:** Q3372.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

31	m	CHLOROFORM	2.378	3.044	-28.0	177	0.00	8.56- 8.97
32	m	1,1,1-TRICHLOROETHANE	2.503	2.971	-18.7	170	0.00	9.51- 9.93
33	m	CARBON TETRACHLORIDE	3.017	3.753	-24.4	177	0.00	10.10-10.51
34	m	1,2-DICHLOROETHANE	1.430	1.688	-18.0	176	0.00	9.27- 9.68
35	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	122	0.00	10.27-10.68
36	m	BENZENE	0.467	0.582	-24.6	168	0.00	9.95-10.37
37	m	CYCLOHEXANE	0.186	0.279	-50.0#	174	0.00	10.22-10.63
38	m	TRICHLOROETHYLENE	0.277	0.378	-36.5#	185#	0.00	11.00-11.31
39	m	1,2-DICHLOROPROPANE	0.167	0.209	-25.1	155	0.00	10.73-11.14
40	m	BROMODICHLOROMETHANE	0.461	0.625	-35.6#	184#	0.00	10.96-11.27
41	m	2,2,4-TRIMETHYLPENTANE	0.769	1.065	-38.5#	172	0.00	10.97-11.39
42	m	1,4-DIOXANE	0.085	0.111	-30.6#	156	0.00	10.88-11.40
43	m	HEPTANE	0.293	0.434	-48.1#	179	0.00	11.26-11.57
44	m	METHYL ISOBUTYL KETONE	0.389	0.556	-42.9#	173	0.00	11.77-12.21
45	m	cis-1,3-DICHLOROPROPEN	0.254	0.324	-27.6	162	0.00	11.77-12.18
46	m	TOLUENE	0.291	0.382	-31.3#	159	0.00	12.73-13.15
47	m	trans-1,3-DICHLOROPROP	0.159	0.305	-91.8#	199#	0.00	12.32-12.63
48	m	1,1,2-TRICHLOROETHANE	0.174	0.240	-37.9#	170	0.00	12.48-12.84
49	I	CHLOROBENZENE-D5	1.000	1.000	0.0	118	0.00	14.57-14.88
50	m	2-HEXANONE	0.362	0.547	-51.1#	172	0.00	12.96-13.36
51	m	TETRACHLOROETHYLENE	0.264	0.335	-26.9	152	0.00	13.86-14.28
52	m	DIBROMOCHLOROMETHANE	0.524	0.717	-36.8#	177	0.00	13.18-13.54
53	m	1,2-DIBROMOETHANE	0.378	0.518	-37.0#	171	0.00	13.46-13.77
54	m	CHLOROBENZENE	0.518	0.703	-35.7#	176	0.00	14.61-14.92
55	m	ETHYLBENZENE	0.792	1.094	-38.1#	166	0.00	14.97-15.33
56	m	m,p-XYLENE	0.305	0.447	-46.6#	176	0.00	15.16-15.52
57	m	o-XYLENE	0.304	0.443	-45.7#	171	0.00	15.66-16.02
58	m	STYRENE	0.309	0.566	-83.2#	175	0.00	15.57-15.88
59	m	NONANE	0.492	0.781	-58.7#	189#	0.00	15.88-16.19
60	m	BROMOFORM	0.363	0.587	-61.7#	178	0.00	15.28-15.59
61	S	4-BROMOFLUOROBENZENE	0.777	0.866	-11.5	132	0.00	16.19-16.50
62	m	1,1,2,2-TETRACHLOROETH	0.572	0.787	-37.6#	183#	0.00	15.68-15.99
63	m	ISOPROPYLBENZENE	0.828	1.168	-41.1#	164	0.00	16.33-16.64
64	m	2-CHLOROTOLUENE	0.620	0.886	-42.9#	168	0.00	16.83-17.24
65	m	4-ETHYLTOLUENE	0.622	1.089	-75.1#	187#	0.00	17.09-17.36
66	m	1,3,5-TRIMETHYLBENZENE	0.704	1.027	-45.9#	173	0.00	17.18-17.44
67	m	1,2,4-TRIMETHYLBENZENE	0.613	0.928	-51.4#	168	0.00	17.62-17.93
68	m	m-DICHLOROBENZENE	0.372	0.585	-57.3#	190#	0.00	17.79-18.12
69	m	BENZYL CHLORIDE	0.296	0.639	-115.9#	218#	0.00	17.78-18.09
70	m	p-DICHLOROBENZENE	0.324	0.566	-74.7#	223#	0.00	17.91-18.15
71	m	o-DICHLOROBENZENE	0.413	0.509	-23.2	168	0.00	18.26-18.57
		----------	True	Calc.	% Drift		----------	
72	m	HEXACHLOROBUTADIENE	10.000	17.809	-78.1#	168	0.00	20.61-21.02
73	m	1,2,4-TRIMETHYLBENZENE	10.000	19.167	-91.7#	229	0.00	20.12-20.53
		----------	AvgRF	CCRF	% Dev		----------	
74	m	NAPHTHALENE		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Q3335.D Q050307T.m Fri May 11 10:01:17 2007 RPT1

GC/MS Volatiles

Raw Data

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
05/16/07 12:59

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10382.D
Acq On : 16 May 2007 1:03 am
Operator : PhilipB
Sample : M64809-1
Misc : MS13551, MSJ537,,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 16 08:05:34 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 10 11:09:51 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	324386	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.44	114	1278751	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.67	117	1154526	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.29	95	325488	4.80	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 96.00%

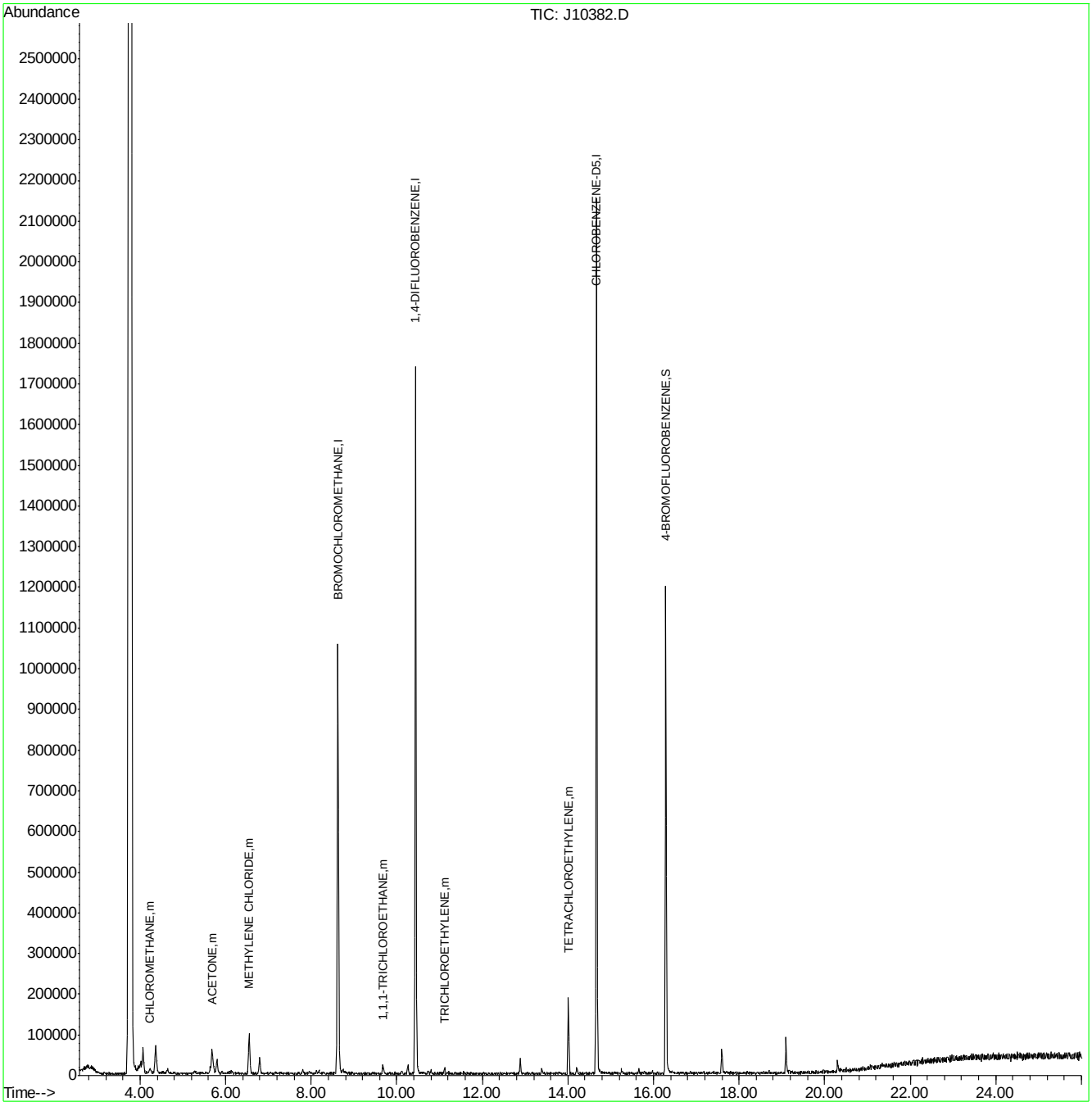
Target Compounds						Qvalue
5) CHLOROMETHANE	4.23	50	13736	0.65	PPBV	72
12) ACETONE	5.68	43	96879	3.49	PPBV	98
18) METHYLENE CHLORIDE	6.55	84	52094	1.03	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.68	97	14386	0.18	PPBV	89
38) TRICHLOROETHYLENE	11.11	95	3715m	0.12	PPBV	
51) TETRACHLOROETHYLENE	14.01	164	41618	1.07	PPBV	99

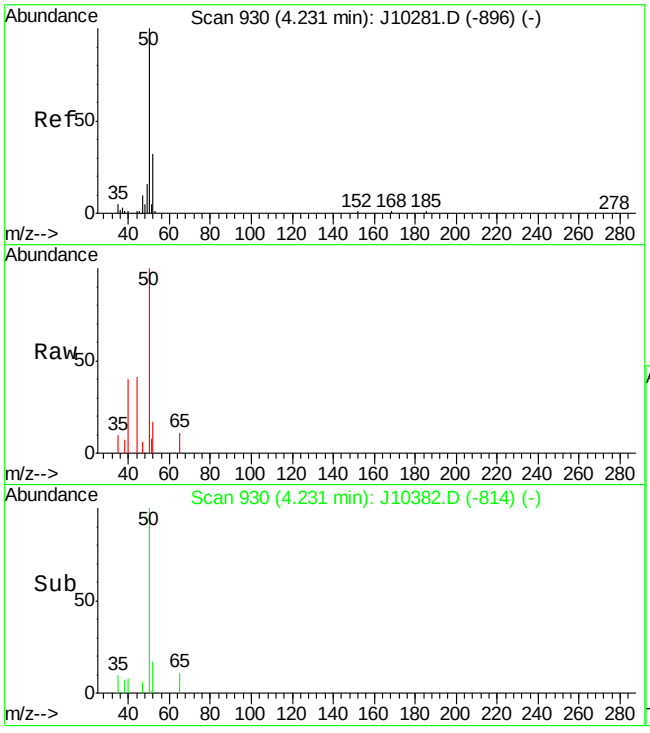
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10382.D
Acq On : 16 May 2007 1:03 am
Operator : PhilipB
Sample : M64809-1
Misc : MS13551, MSJ537,,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 16 08:05:34 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 10 11:09:51 2007
Response via : Initial Calibration

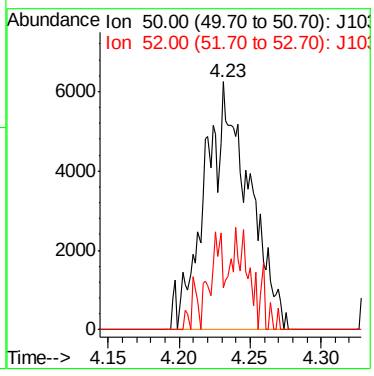


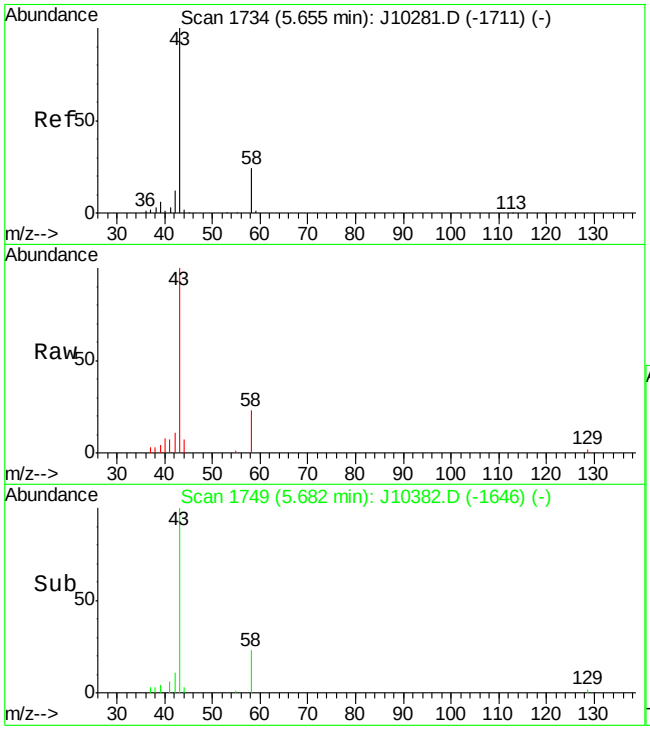


#5
CHLOROMETHANE
Concen: 0.65 PPBV
RT: 4.23 min Scan# 930
Delta R.T. 0.00 min
Lab File: J10382.D
Acq: 16 May 2007 1:03 am

Tgt Ion: 50 Resp: 13736

Ion	Ratio	Lower	Upper
50	100		
52	16.9	12.6	52.6

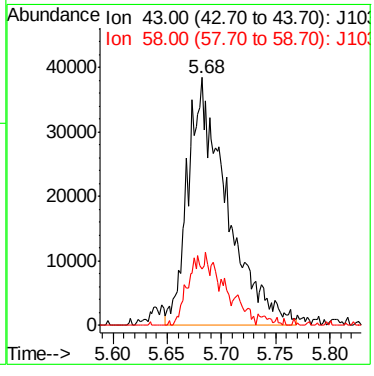


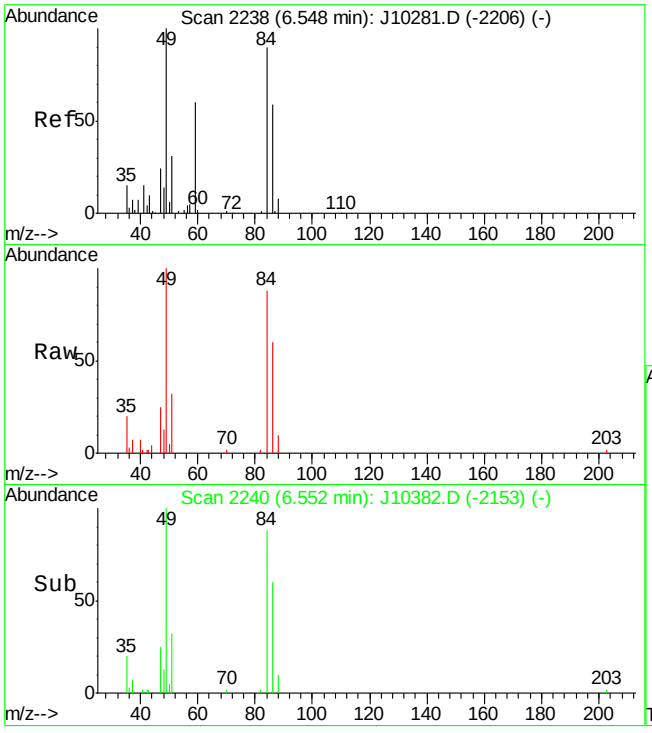


#12
ACETONE
Concen: 3.49 PPBV
RT: 5.68 min Scan# 1749
Delta R.T. 0.03 min
Lab File: J10382.D
Acq: 16 May 2007 1:03 am

Tgt Ion: 43 Resp: 96879

Ion	Ratio	Lower	Upper
43	100		
58	27.6	6.8	46.8

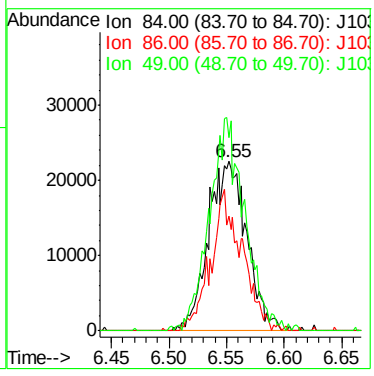


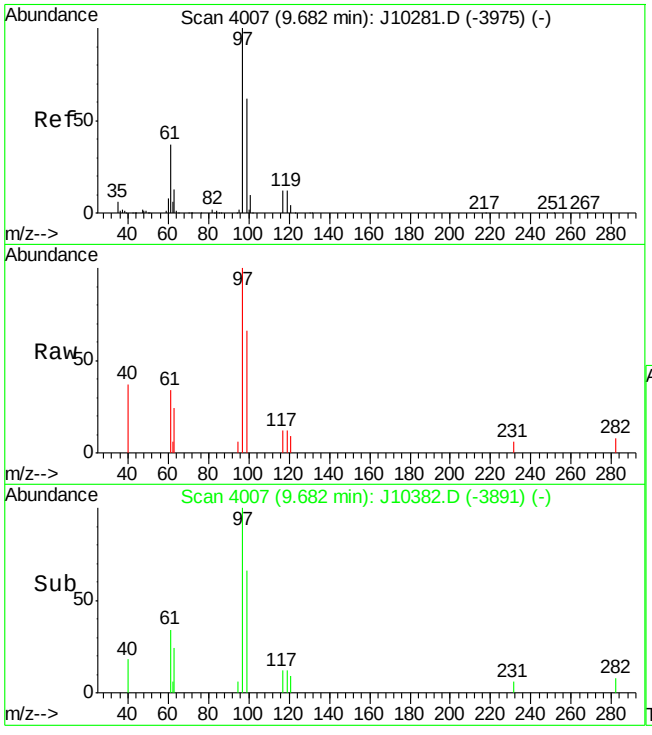


#18
METHYLENE CHLORIDE
Concen: 1.03 PPBV
RT: 6.55 min Scan# 2240
Delta R.T. 0.00 min
Lab File: J10382.D
Acq: 16 May 2007 1:03 am

Tgt Ion: 84 Resp: 52094

Ion	Ratio	Lower	Upper
84	100		
86	67.7	47.2	87.2
49	116.3	0.0	314.2

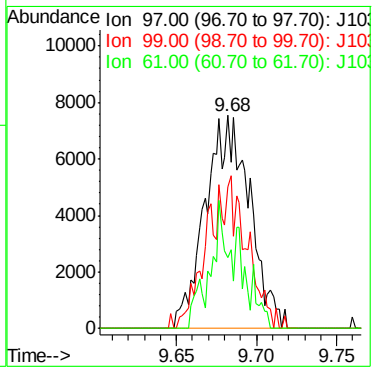


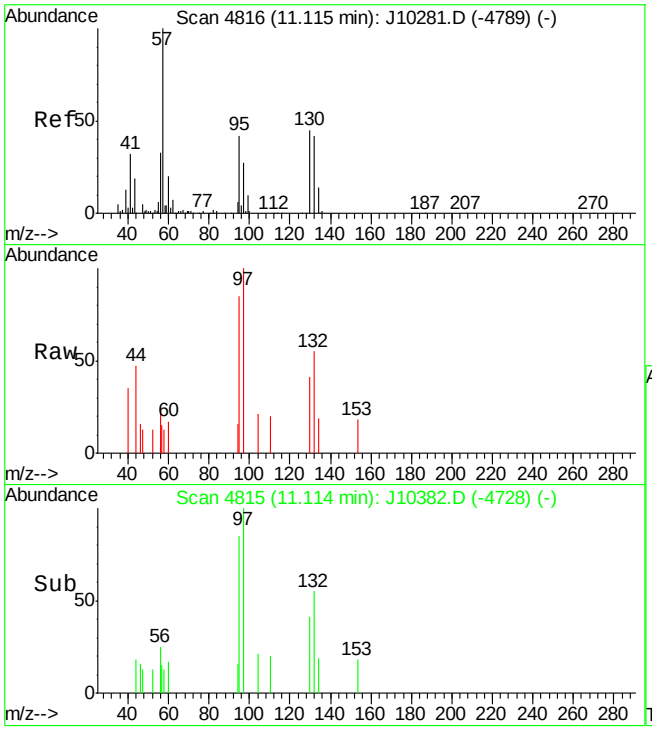


#32
1,1,1-TRICHLOROETHANE
Concen: 0.18 PPBV
RT: 9.68 min Scan# 4007
Delta R.T. 0.00 min
Lab File: J10382.D
Acq: 16 May 2007 1:03 am

Tgt Ion: 97 Resp: 14386

Ion	Ratio	Lower	Upper
97	100		
99	63.4	45.4	85.4
61	24.8	19.5	59.5

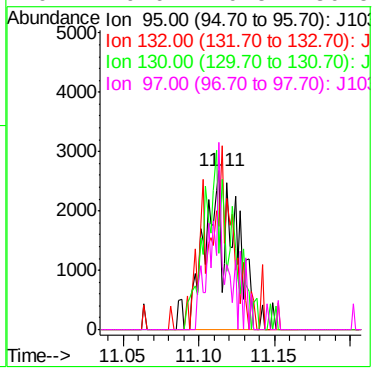


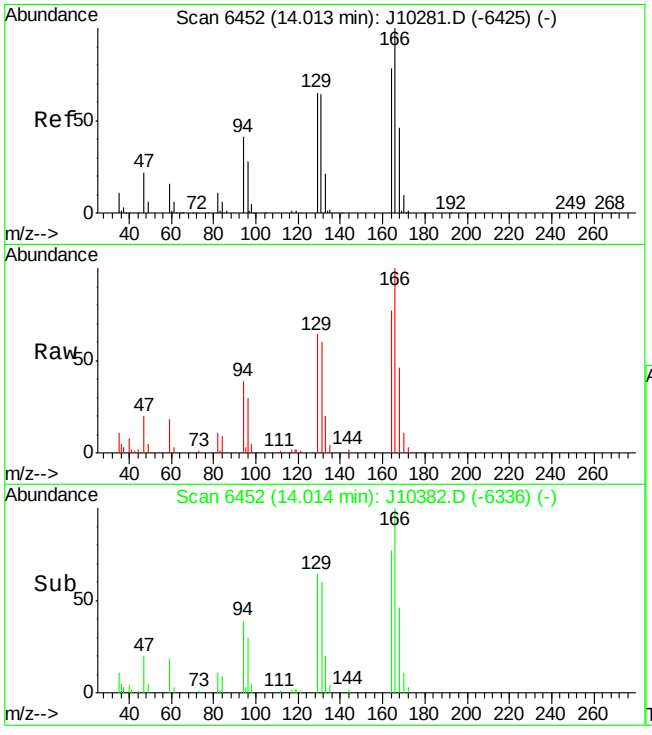


#38
TRICHLOROETHYLENE
Concen: 0.12 PPBV m
RT: 11.11 min Scan# 4815
Delta R.T. -0.00 min
Lab File: J10382.D
Acq: 16 May 2007 1:03 am

Tgt Ion: 95 Resp: 3715

Ion	Ratio	Lower	Upper
95	100		
132	0.0	84.0	124.0#
130	0.0	88.0	128.0#
97	0.0	46.5	86.5#

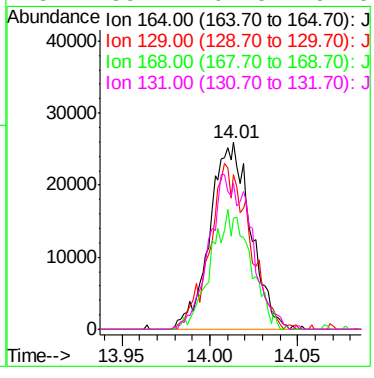




#51
TETRACHLOROETHYLENE
Concen: 1.07 PPBV
RT: 14.01 min Scan# 6452
Delta R.T. 0.00 min
Lab File: J10382.D
Acq: 16 May 2007 1:03 am

Tgt Ion:164 Resp: 41618

Ion	Ratio	Lower	Upper
164	100		
129	86.6	67.6	107.6
168	62.4	42.8	82.8
131	85.2	64.5	104.5

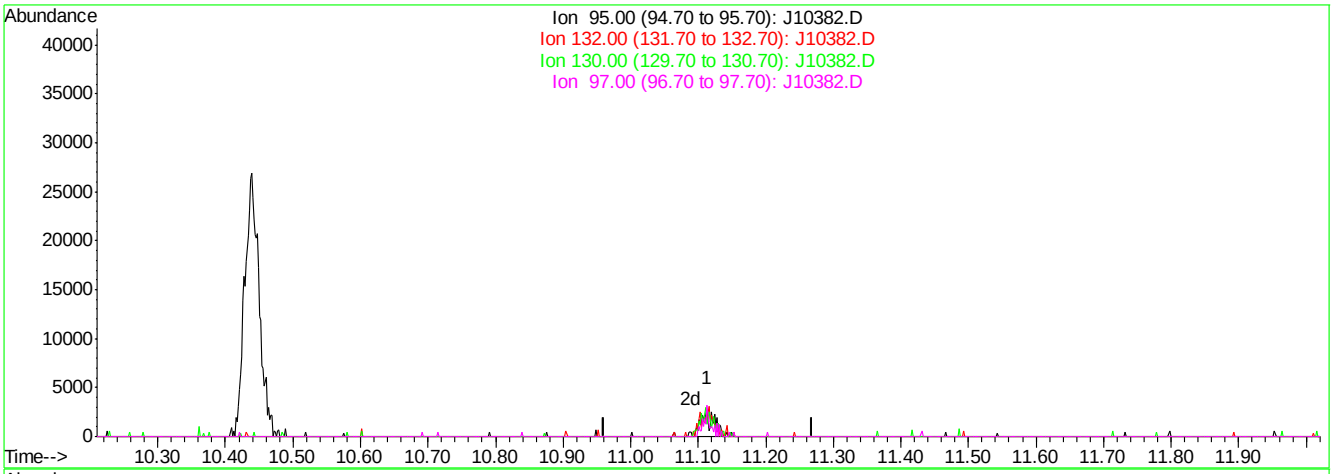


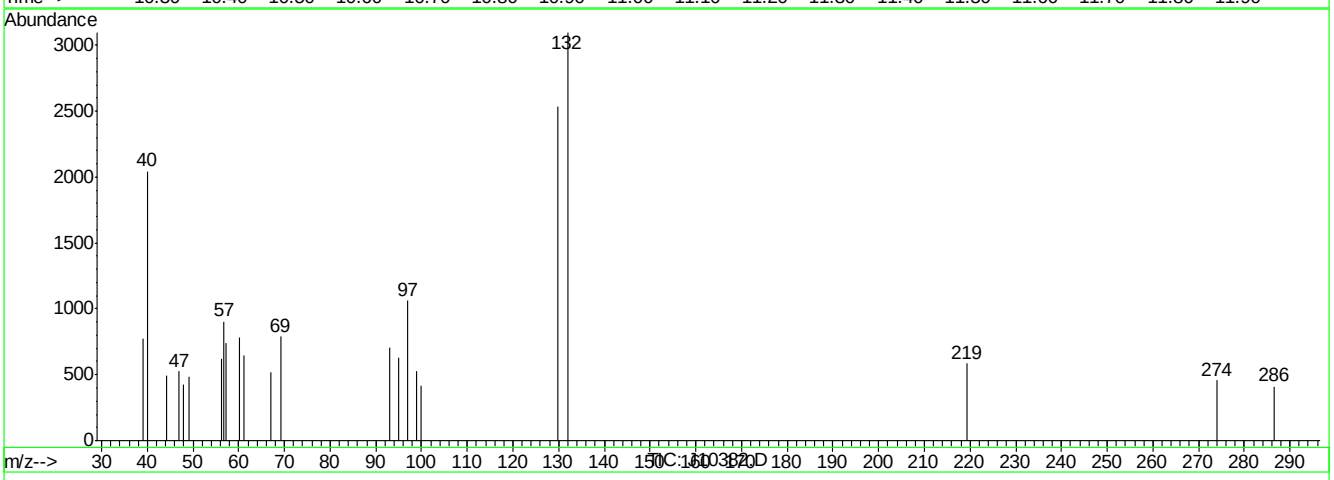
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J10382.D Vial: 8
Acq On : 16 May 2007 1:03 am Operator: PhilipB
Sample : M64809-1 Inst : MSJ
Misc : MS13551, MSJ537,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 16 07:50:00 2007 Results File: J050907T.RES

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 11:09:51 2007
Response via : Multiple Level Calibration





(38) TRICHLOROETHYLENE (m)

11.12min 0.00PPBV d

response 0

Ion	Exp%	Act%
95.00	100	0.00
132.00	104.00	0.00
130.00	108.00	0.00
97.00	66.50	0.00

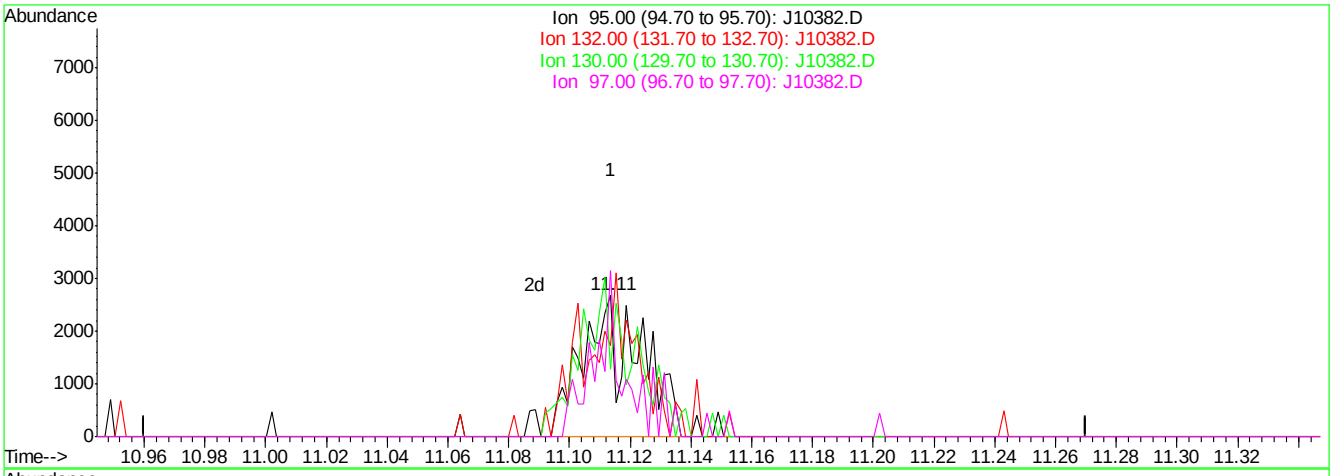
J10382.D J050907T.M Wed May 16 08:05:18 2007

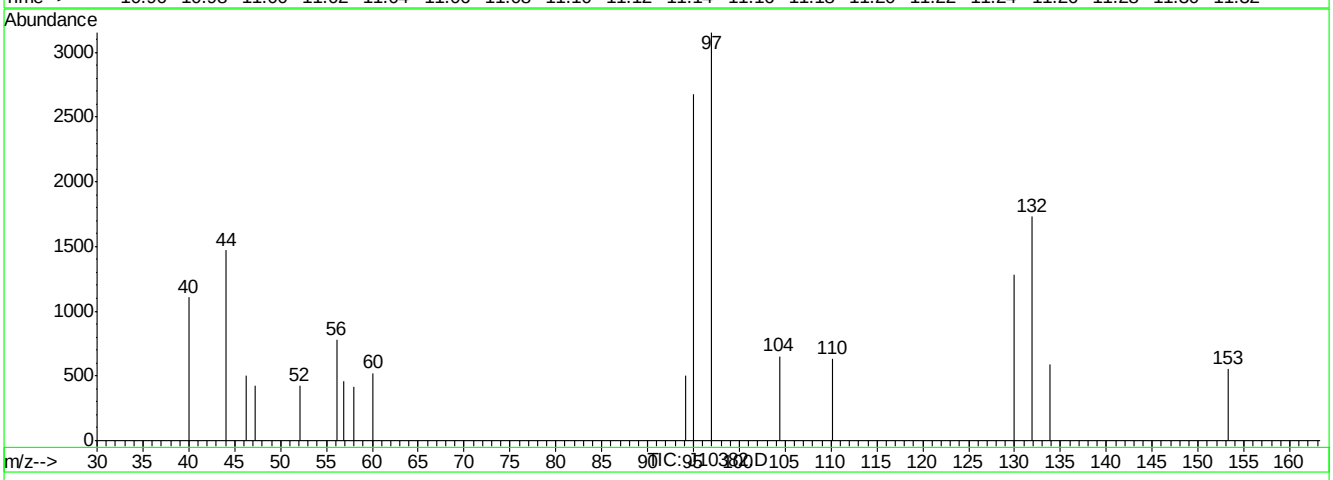
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J10382.D Vial: 8
Acq On : 16 May 2007 1:03 am Operator: PhilipB
Sample : M64809-1 Inst : MSJ
Misc : MS13551, MSJ537,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 16 07:50:00 2007 Results File: J050907T.RES

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 11:09:51 2007
Response via : Multiple Level Calibration





(38) TRICHLOROETHYLENE (m)

11.11min 0.12PPBV m

response 3715

Ion	Exp%	Act%
95.00	100	100
132.00	104.00	0.00#
130.00	108.00	0.00#
97.00	66.50	0.00#

J10382.D J050907T.M Wed May 16 08:05:22 2007

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10383.D
Acq On : 16 May 2007 1:50 am
Operator : PhilipB
Sample : M64809-2
Misc : MS13551, MSJ537,,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 16 08:06:45 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 10 11:09:51 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.63	128	360411	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.44	114	1575885	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.67	117	1464843	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.29	95	461810	5.37	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 107.40%

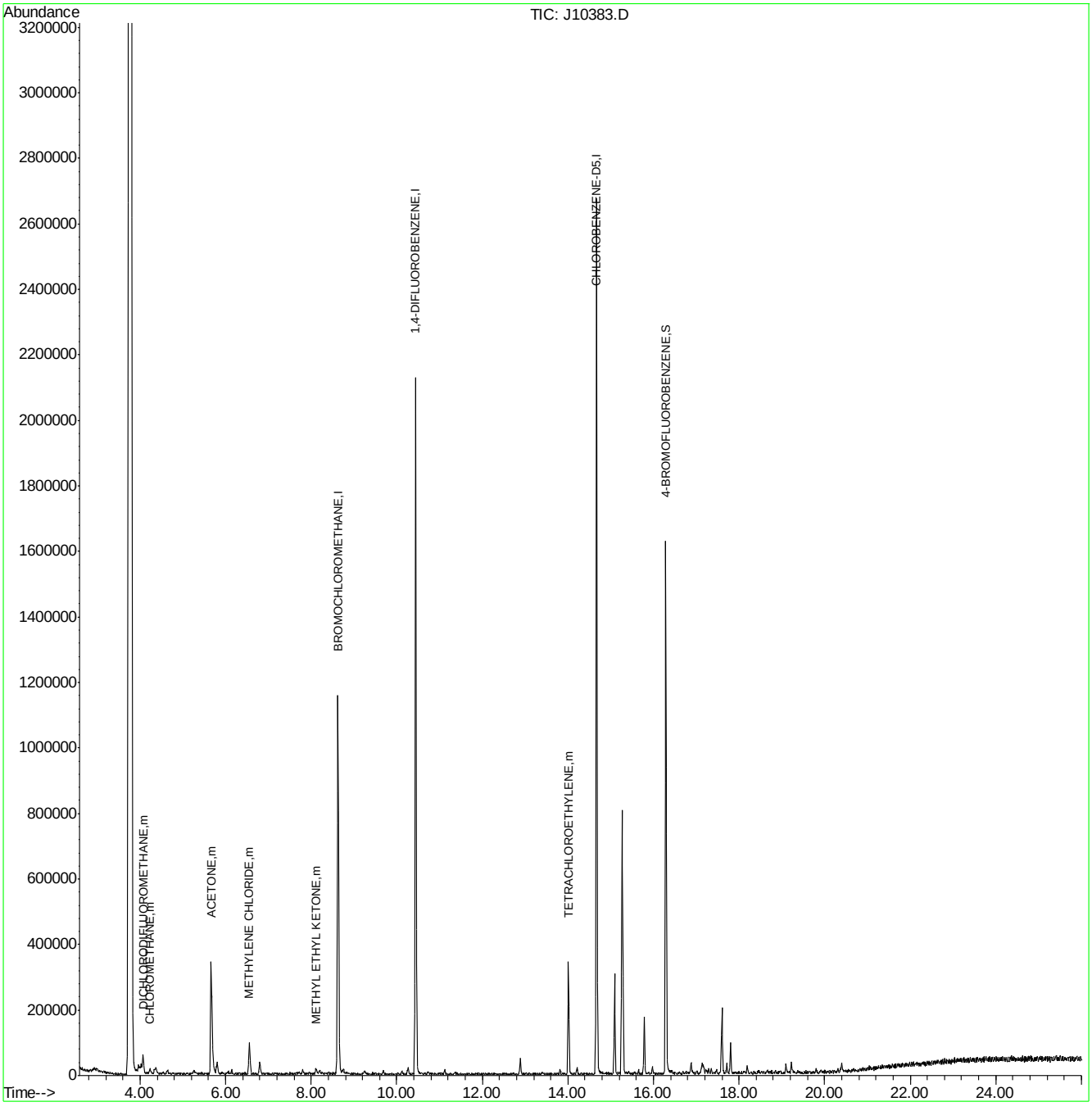
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.07	85	70239	0.55	PPBV	97
5) CHLOROMETHANE	4.23	50	14714	0.63	PPBV	92
12) ACETONE	5.66	43	540378	16.63	PPBV	100
18) METHYLENE CHLORIDE	6.56	84	49252	0.73	PPBV	97
28) METHYL ETHYL KETONE	8.10	43	20800	0.64	PPBV	82
51) TETRACHLOROETHYLENE	14.01	164	76787	1.55	PPBV	99

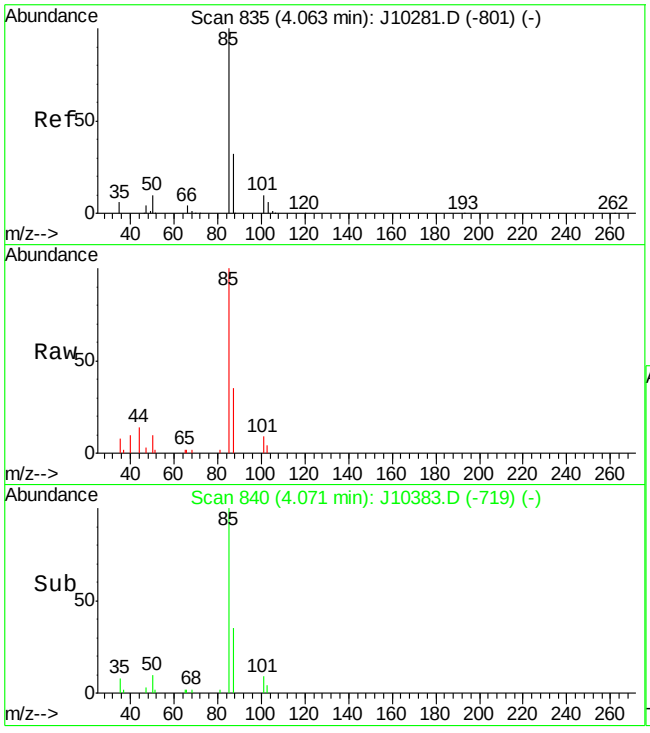
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10383.D
Acq On : 16 May 2007 1:50 am
Operator : PhilipB
Sample : M64809-2
Misc : MS13551, MSJ537,,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 16 08:06:45 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 10 11:09:51 2007
Response via : Initial Calibration

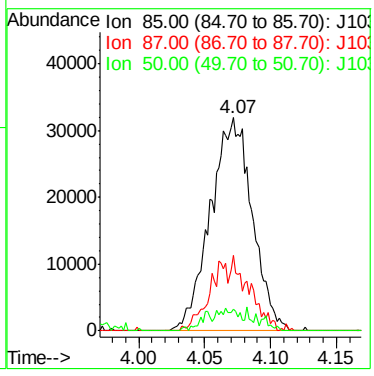


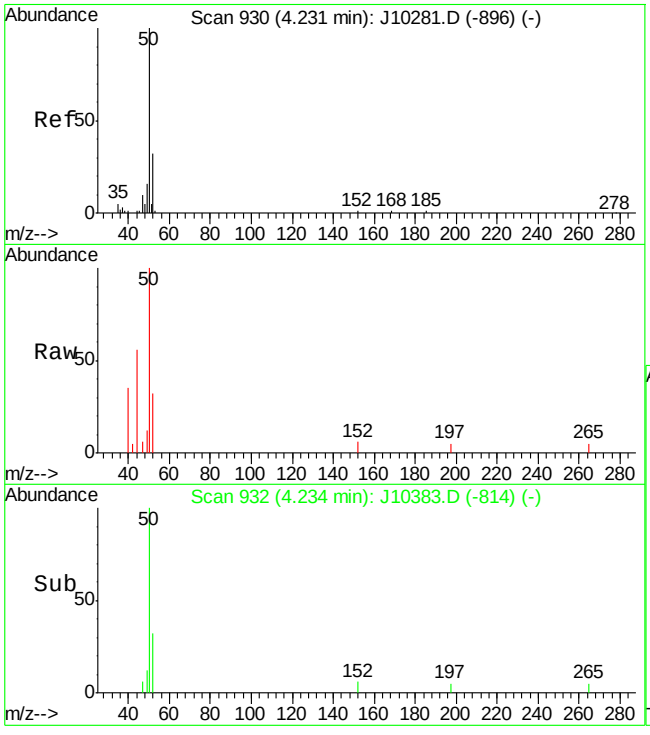


#2
DICHLORODIFLUOROMETHANE
Concen: 0.55 PPBV
RT: 4.07 min Scan# 840
Delta R.T. 0.01 min
Lab File: J10383.D
Acq: 16 May 2007 1:50 am

Tgt Ion: 85 Resp: 70239

Ion	Ratio	Lower	Upper
85	100		
87	31.4	12.7	52.7
50	9.6	0.0	31.0

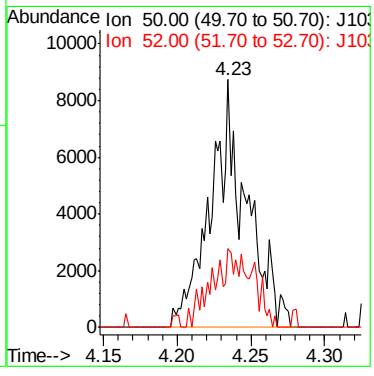


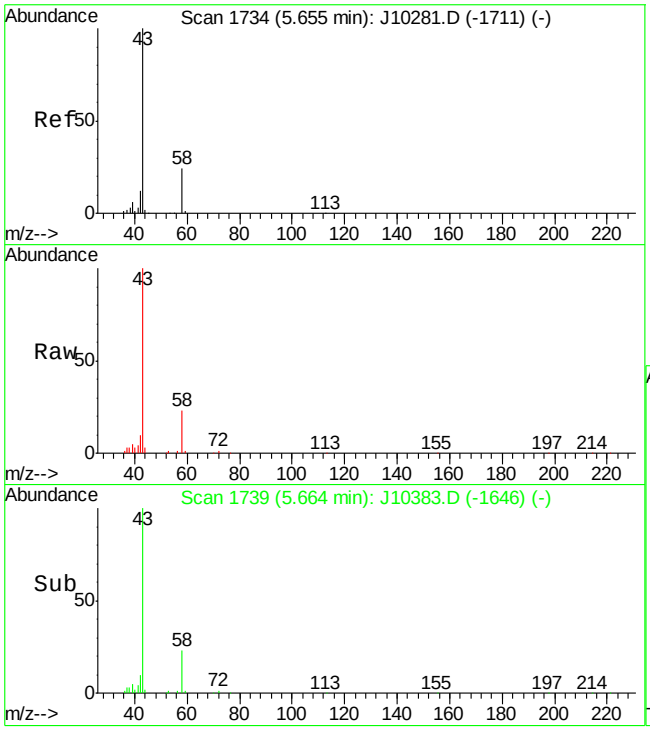


#5
CHLOROMETHANE
Concen: 0.63 PPBV
RT: 4.23 min Scan# 932
Delta R.T. 0.00 min
Lab File: J10383.D
Acq: 16 May 2007 1:50 am

Tgt Ion: 50 Resp: 14714

Ion	Ratio	Lower	Upper
50	100		
52	28.2	12.6	52.6

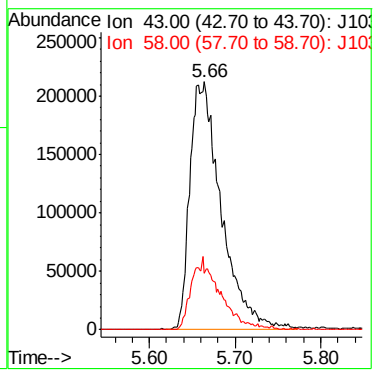


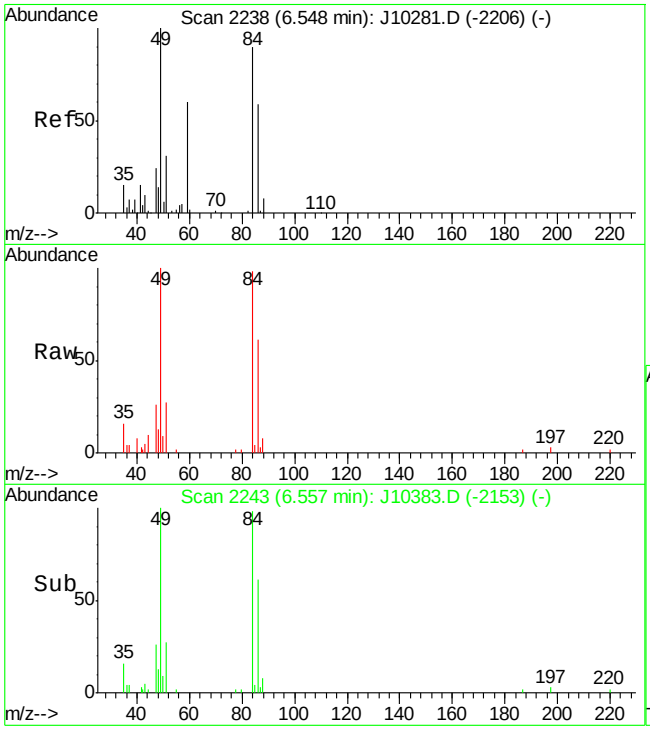


#12
ACETONE
Concen: 16.63 PPBV
RT: 5.66 min Scan# 1739
Delta R.T. 0.01 min
Lab File: J10383.D
Acq: 16 May 2007 1:50 am

Tgt Ion: 43 Resp: 540378

Ion	Ratio	Lower	Upper
43	100		
58	26.6	6.8	46.8

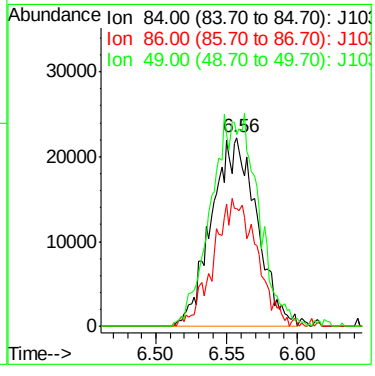


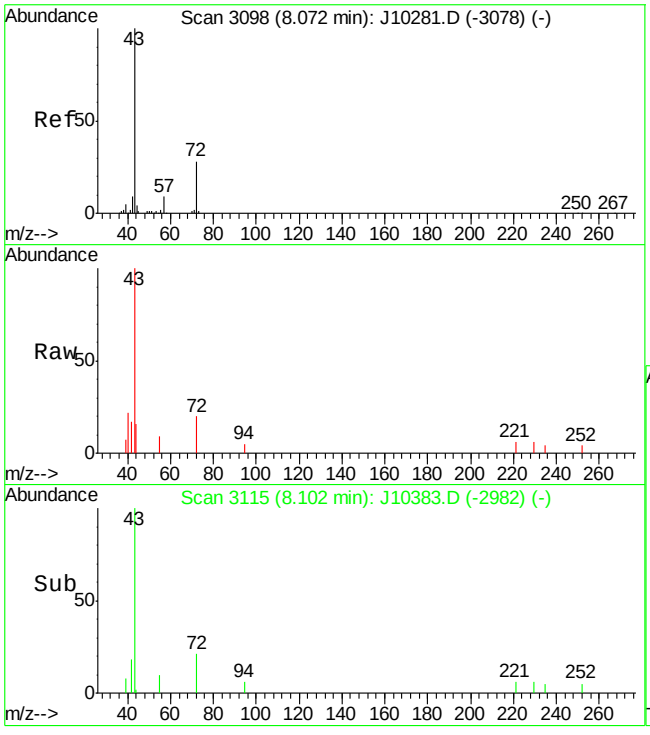


#18
METHYLENE CHLORIDE
Concen: 0.73 PPBV
RT: 6.56 min Scan# 2243
Delta R.T. 0.01 min
Lab File: J10383.D
Acq: 16 May 2007 1:50 am

Tgt Ion: 84 Resp: 49252

Ion	Ratio	Lower	Upper
84	100		
86	65.3	47.2	87.2
49	117.1	0.0	314.2

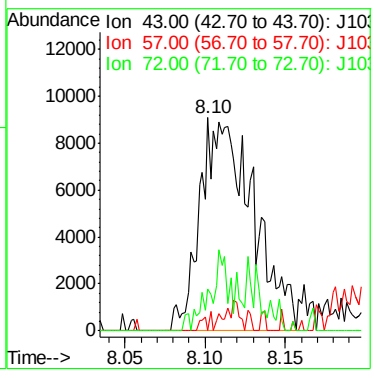


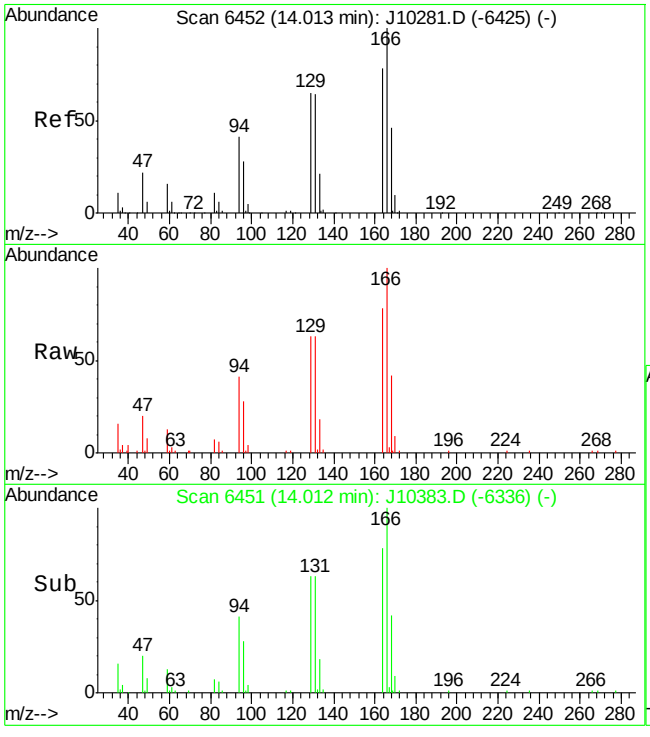


#28
METHYL ETHYL KETONE
Concen: 0.64 PPBV
RT: 8.10 min Scan# 3115
Delta R.T. 0.03 min
Lab File: J10383.D
Acq: 16 May 2007 1:50 am

Tgt Ion: 43 Resp: 20800

Ion	Ratio	Lower	Upper
43	100		
57	0.0	0.0	28.8
72	19.5	7.6	47.6

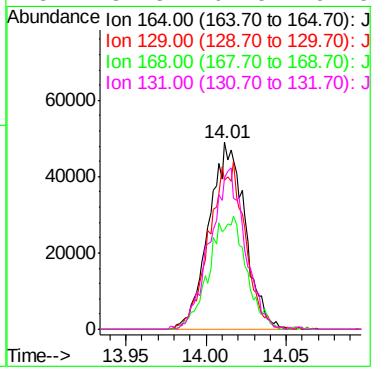




#51
TETRACHLOROETHYLENE
Concen: 1.55 PPBV
RT: 14.01 min Scan# 6451
Delta R.T. -0.00 min
Lab File: J10383.D
Acq: 16 May 2007 1:50 am

Tgt Ion:164 Resp: 76787

Ion	Ratio	Lower	Upper
164	100		
129	87.2	67.6	107.6
168	61.5	42.8	82.8
131	82.8	64.5	104.5



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10384.D
Acq On : 16 May 2007 2:38 am
Operator : PhilipB
Sample : M64809-3
Misc : MS13551, MSJ537,,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 16 08:08:19 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 10 11:09:51 2007
Response via : Initial Calibration

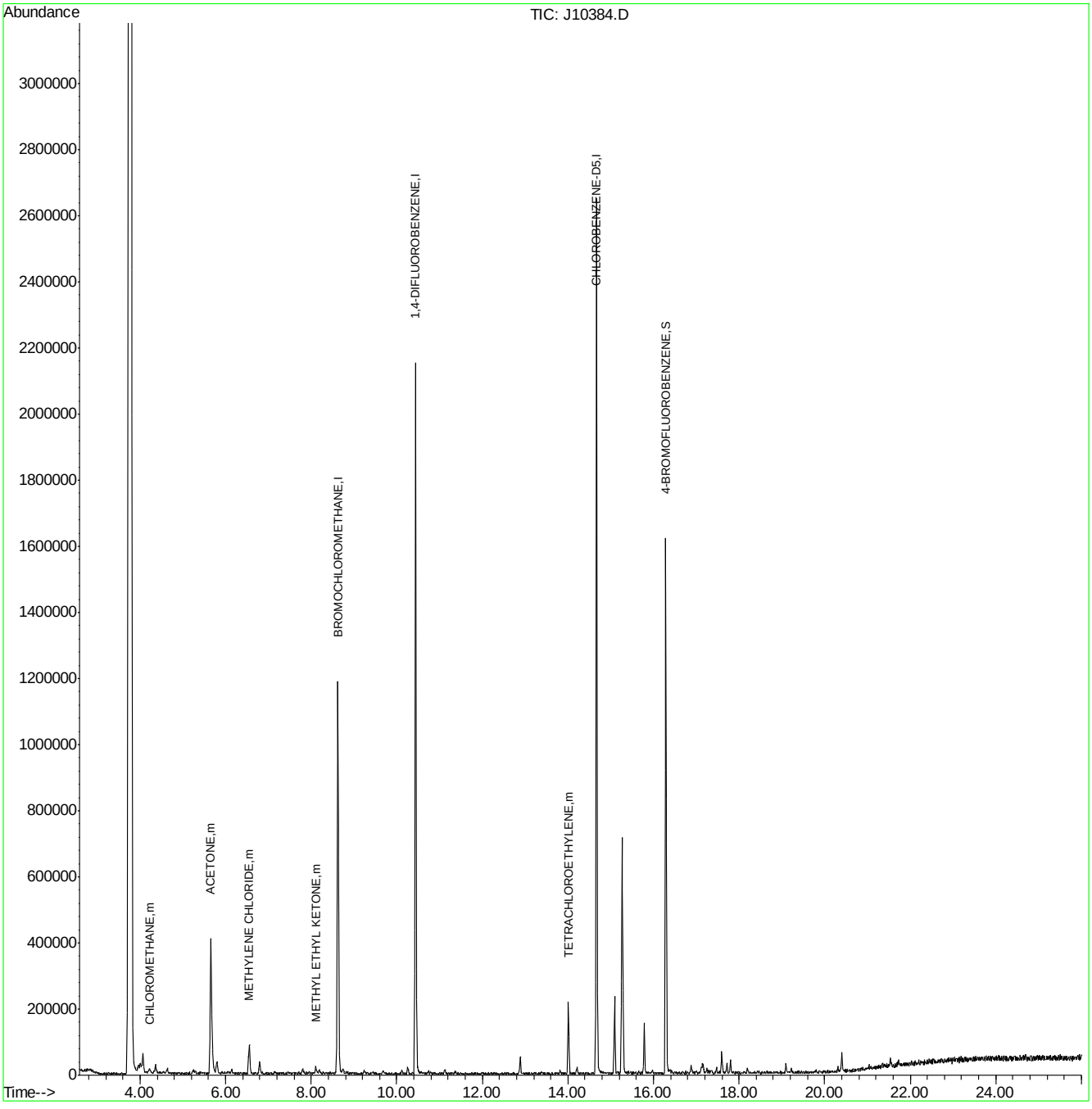
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.63	128	360289	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.44	114	1585644	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.67	117	1451145	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.29	95	444403	5.22	PPBV	0.00
Spiked Amount 5.000	Range 51 - 142		Recovery = 104.40%			
Target Compounds						Qvalue
5) CHLOROMETHANE	4.23	50	13888	0.59	PPBV	77
12) ACETONE	5.66	43	646117	19.84	PPBV	99
18) METHYLENE CHLORIDE	6.55	84	47147	0.66	PPBV	95
28) METHYL ETHYL KETONE	8.11	43	22057	0.68	PPBV	89
51) TETRACHLOROETHYLENE	14.01	164	45999	0.94	PPBV	98

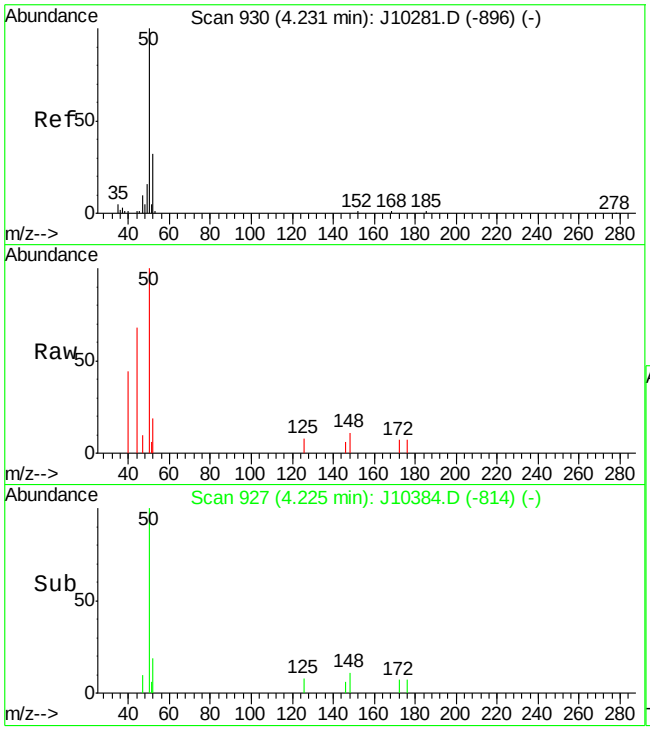
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10384.D
Acq On : 16 May 2007 2:38 am
Operator : PhilipB
Sample : M64809-3
Misc : MS13551, MSJ537,,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 16 08:08:19 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 10 11:09:51 2007
Response via : Initial Calibration

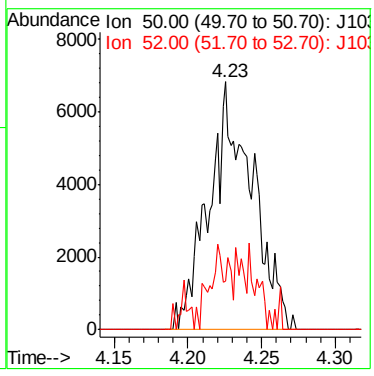


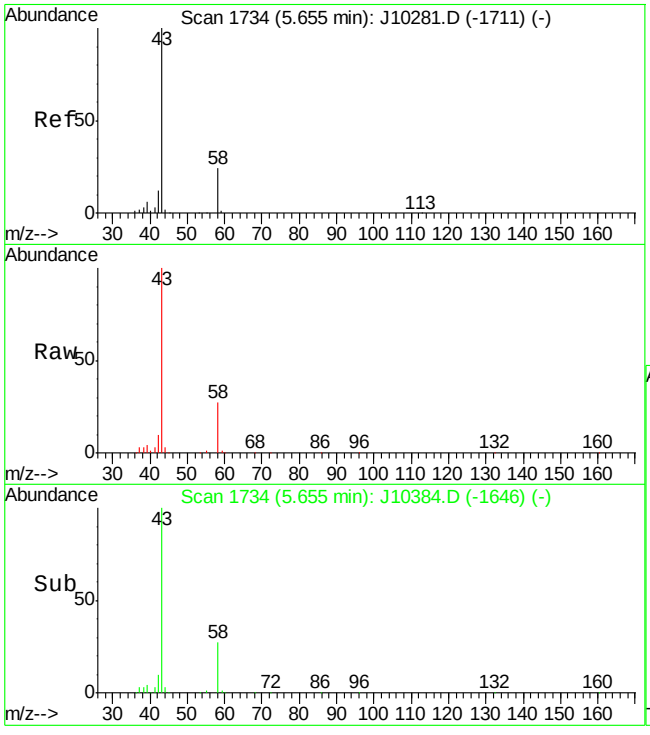


#5
CHLOROMETHANE
Concen: 0.59 PPBV
RT: 4.23 min Scan# 927
Delta R.T. -0.01 min
Lab File: J10384.D
Acq: 16 May 2007 2:38 am

Tgt Ion: 50 Resp: 13888

Ion	Ratio	Lower	Upper
50	100		
52	19.5	12.6	52.6

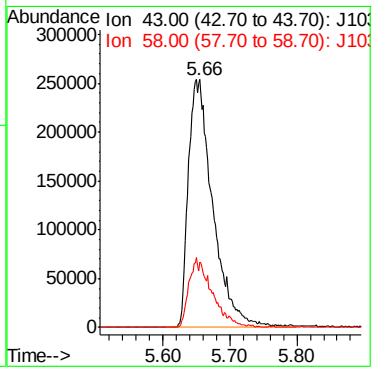


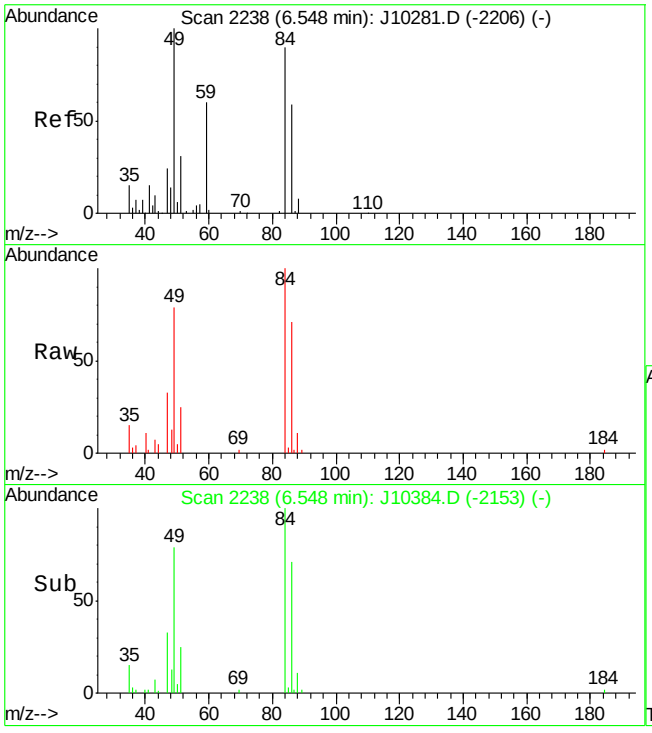


#12
ACETONE
Concen: 19.84 PPBV
RT: 5.66 min Scan# 1734
Delta R.T. 0.00 min
Lab File: J10384.D
Acq: 16 May 2007 2:38 am

Tgt Ion: 43 Resp: 646117

Ion	Ratio	Lower	Upper
43	100		
58	26.4	6.8	46.8

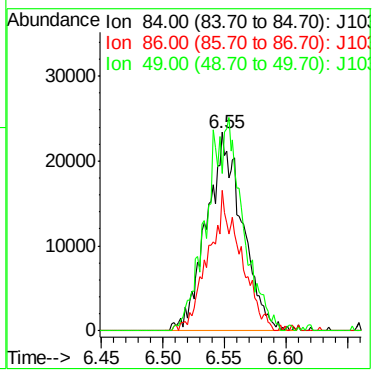


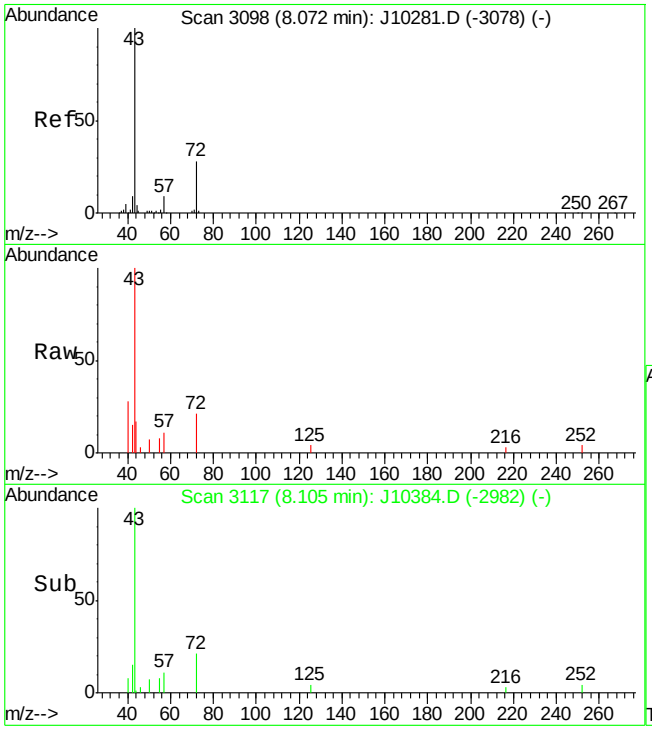


#18
METHYLENE CHLORIDE
Concen: 0.66 PPBV
RT: 6.55 min Scan# 2238
Delta R.T. 0.00 min
Lab File: J10384.D
Acq: 16 May 2007 2:38 am

Tgt Ion: 84 Resp: 47147

Ion	Ratio	Lower	Upper
84	100		
86	63.7	47.2	87.2
49	109.0	0.0	314.2

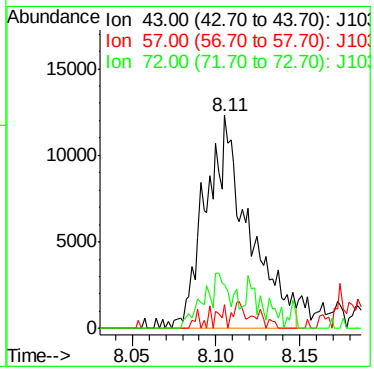


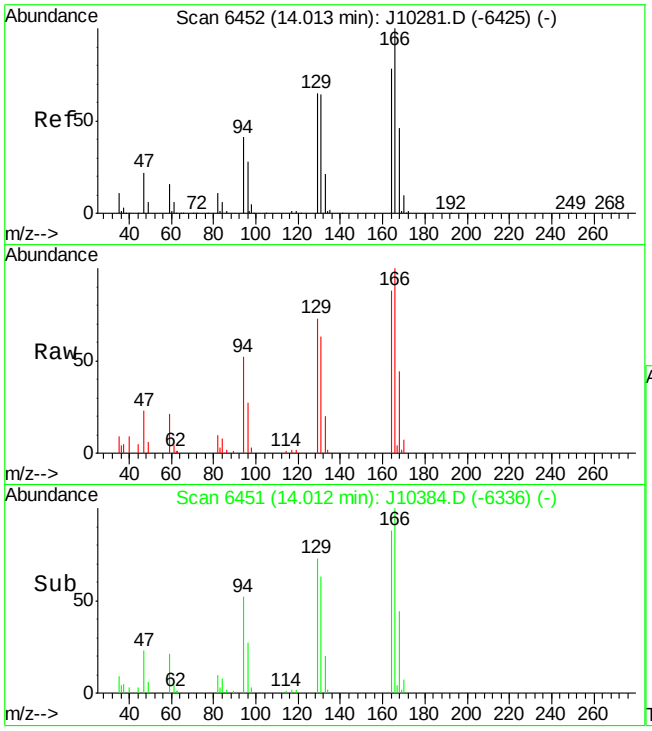


#28
METHYL ETHYL KETONE
Concen: 0.68 PPBV
RT: 8.11 min Scan# 3117
Delta R.T. 0.03 min
Lab File: J10384.D
Acq: 16 May 2007 2:38 am

Tgt Ion: 43 Resp: 22057

Ion	Ratio	Lower	Upper
43	100		
57	11.3	0.0	28.8
72	20.8	7.6	47.6

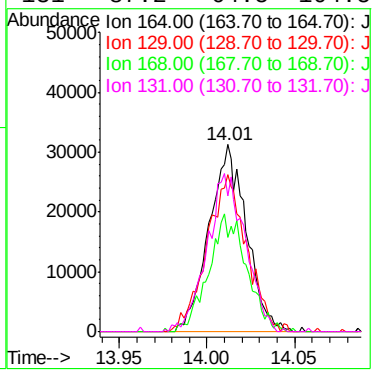




#51
TETRACHLOROETHYLENE
Concen: 0.94 PPBV
RT: 14.01 min Scan# 6451
Delta R.T. -0.00 min
Lab File: J10384.D
Acq: 16 May 2007 2:38 am

Tgt Ion:164 Resp: 45999

Ion	Ratio	Lower	Upper
164	100		
129	89.4	67.6	107.6
168	63.8	42.8	82.8
131	87.2	64.5	104.5



Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
05/16/07 12:59

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10385.D
Acq On : 16 May 2007 3:24 am
Operator : PhilipB
Sample : M64809-4
Misc : MS13551, MSJ537,,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 16 08:09:33 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 10 11:09:51 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.63	128	359468	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.44	114	1543639	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.67	117	1451566	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.29	95	458237	5.38	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 107.60%

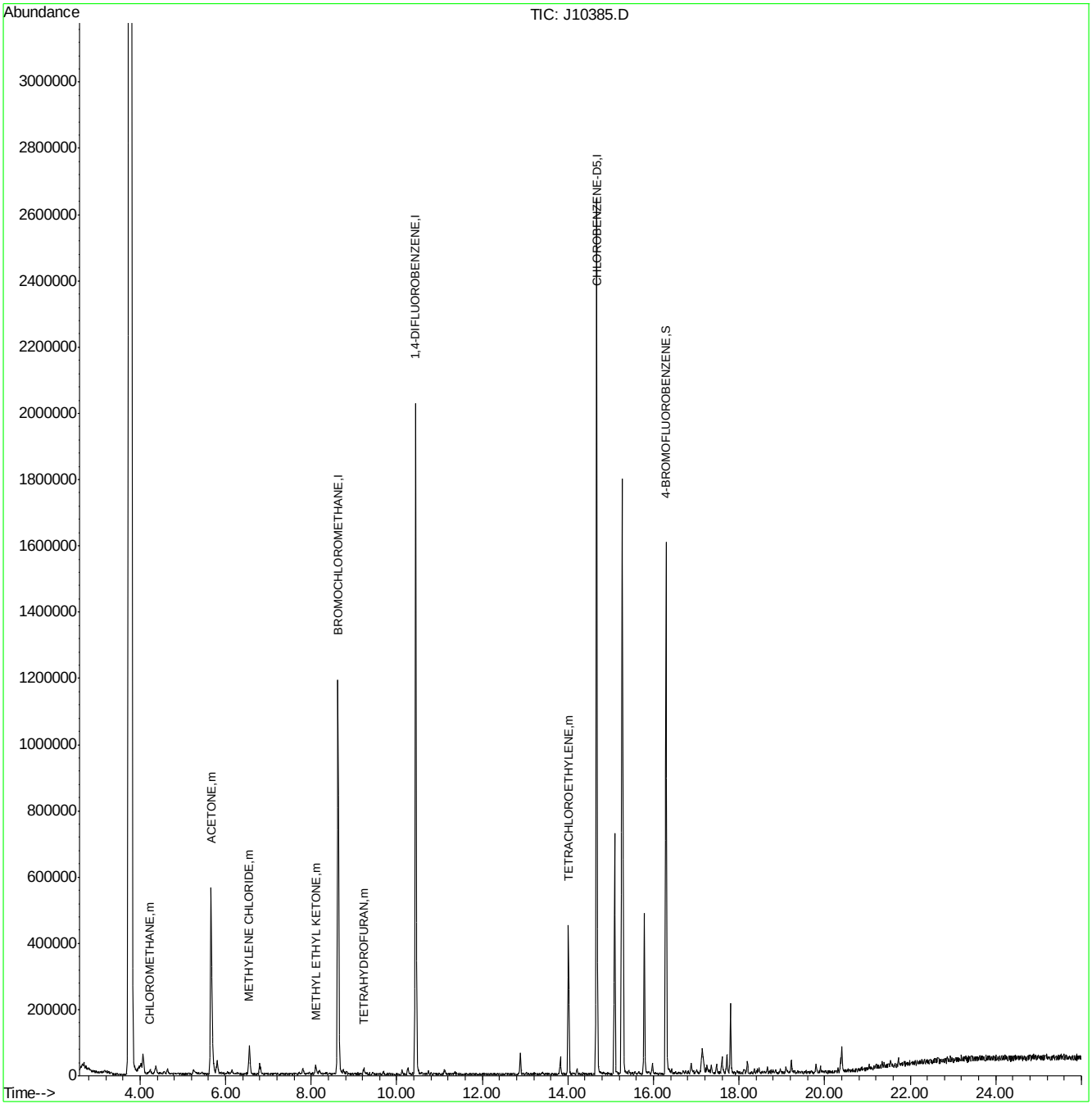
Target Compounds						Qvalue
5) CHLOROMETHANE	4.24	50	16151m	0.69	PPBV	
12) ACETONE	5.66	43	865545	26.56	PPBV	99
18) METHYLENE CHLORIDE	6.55	84	46769	0.65	PPBV	98
24) TETRAHYDROFURAN	9.23	42	6639	0.42	PPBV #	59
28) METHYL ETHYL KETONE	8.11	43	35185	1.09	PPBV	82
51) TETRACHLOROETHYLENE	14.02	164	96521	1.97	PPBV	99

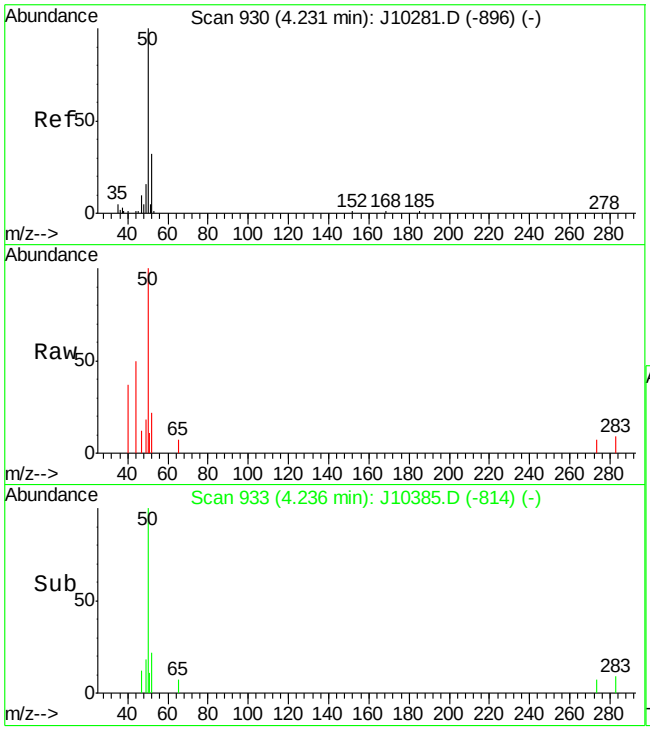
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10385.D
Acq On : 16 May 2007 3:24 am
Operator : PhilipB
Sample : M64809-4
Misc : MS13551, MSJ537,,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 16 08:09:33 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 10 11:09:51 2007
Response via : Initial Calibration

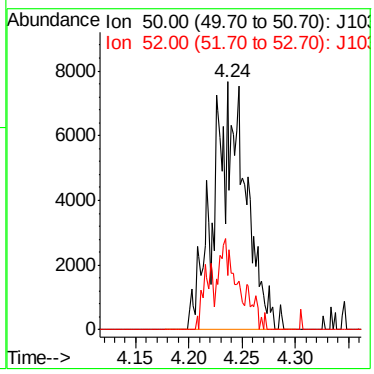


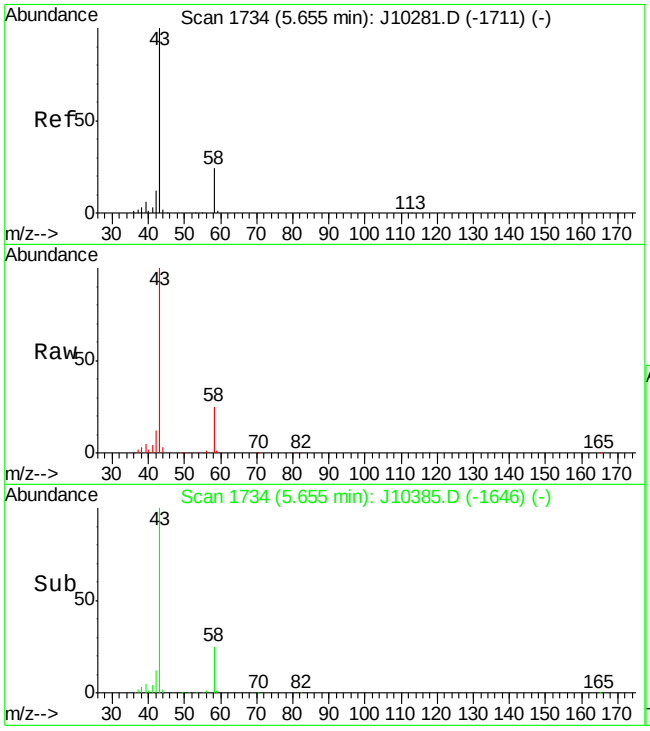


#5
CHLOROMETHANE
Concen: 0.69 PPBV m
RT: 4.24 min Scan# 933
Delta R.T. 0.01 min
Lab File: J10385.D
Acq: 16 May 2007 3:24 am

Tgt Ion: 50 Resp: 16151

Ion	Ratio	Lower	Upper
50	100		
52	21.8	12.6	52.6

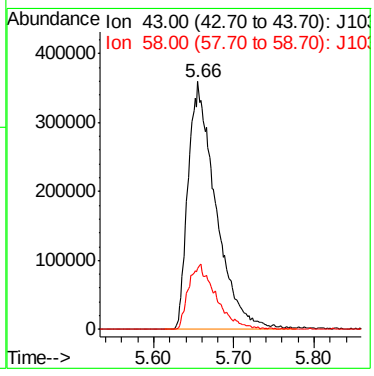


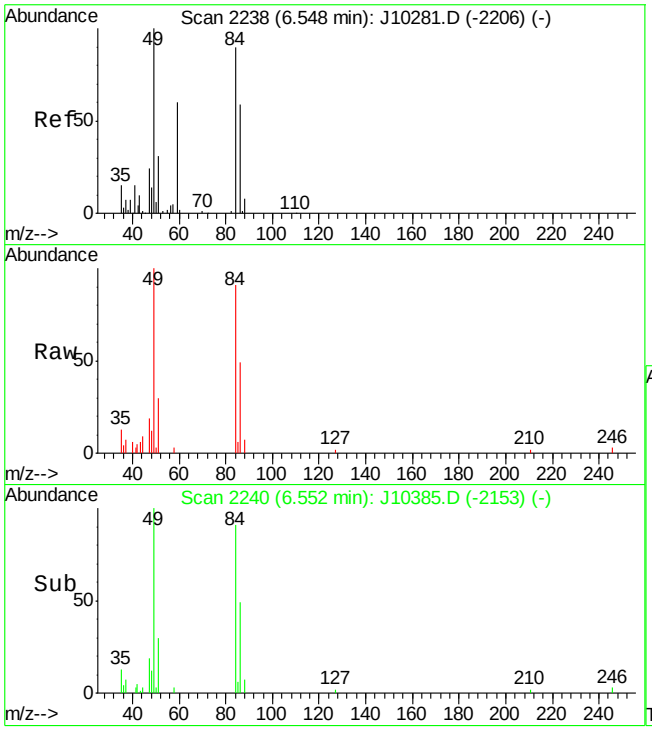


#12
ACETONE
Concen: 26.56 PPBV
RT: 5.66 min Scan# 1734
Delta R.T. 0.00 min
Lab File: J10385.D
Acq: 16 May 2007 3:24 am

Tgt Ion: 43 Resp: 865545

Ion	Ratio	Lower	Upper
43	100		
58	26.2	6.8	46.8

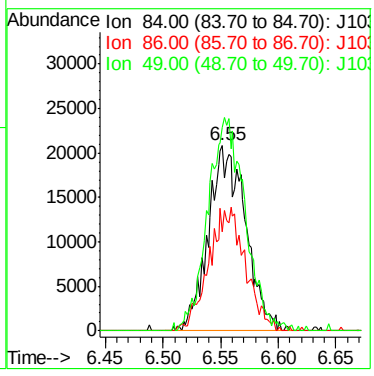


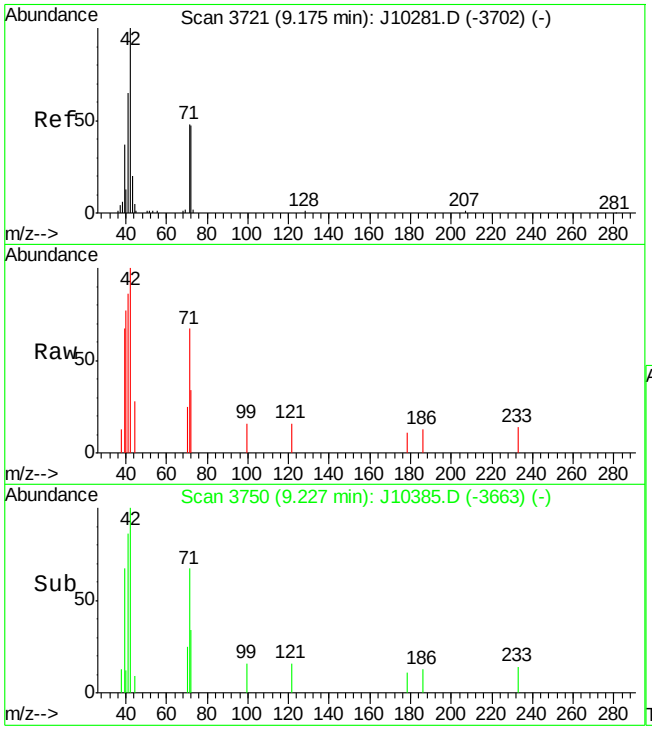


#18
METHYLENE CHLORIDE
Concen: 0.65 PPBV
RT: 6.55 min Scan# 2240
Delta R.T. 0.00 min
Lab File: J10385.D
Acq: 16 May 2007 3:24 am

Tgt Ion: 84 Resp: 46769

Ion	Ratio	Lower	Upper
84	100		
86	65.0	47.2	87.2
49	115.6	0.0	314.2

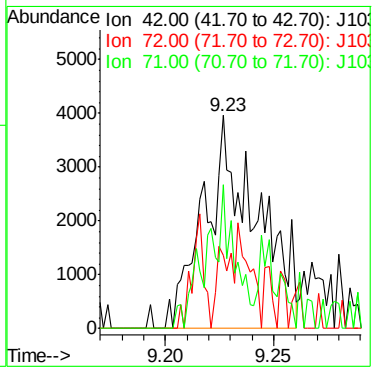


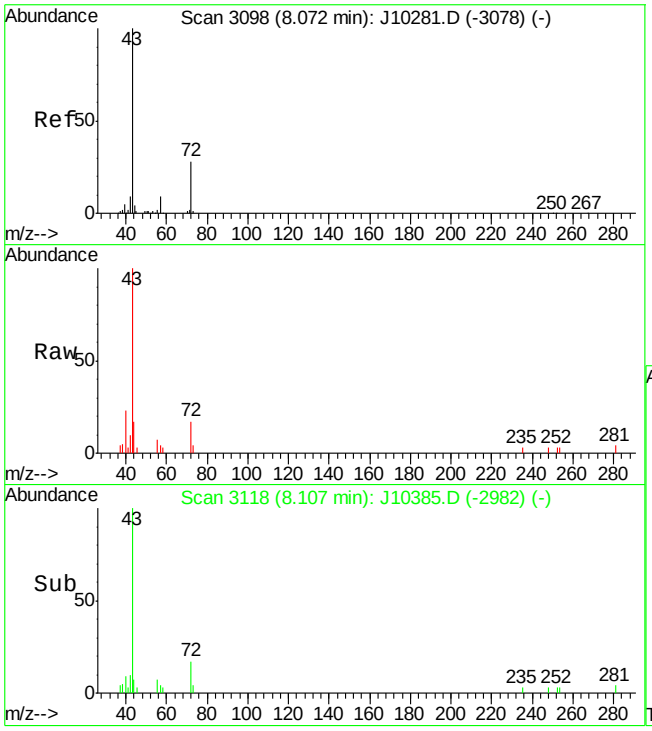


#24
TETRAHYDROFURAN
Concen: 0.42 PPBV
RT: 9.23 min Scan# 3750
Delta R.T. 0.05 min
Lab File: J10385.D
Acq: 16 May 2007 3:24 am

Tgt Ion: 42 Resp: 6639

Ion	Ratio	Lower	Upper
42	100		
72	11.0	31.3	71.3#
71	35.7	32.5	72.5

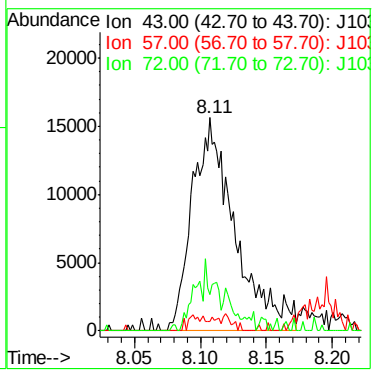


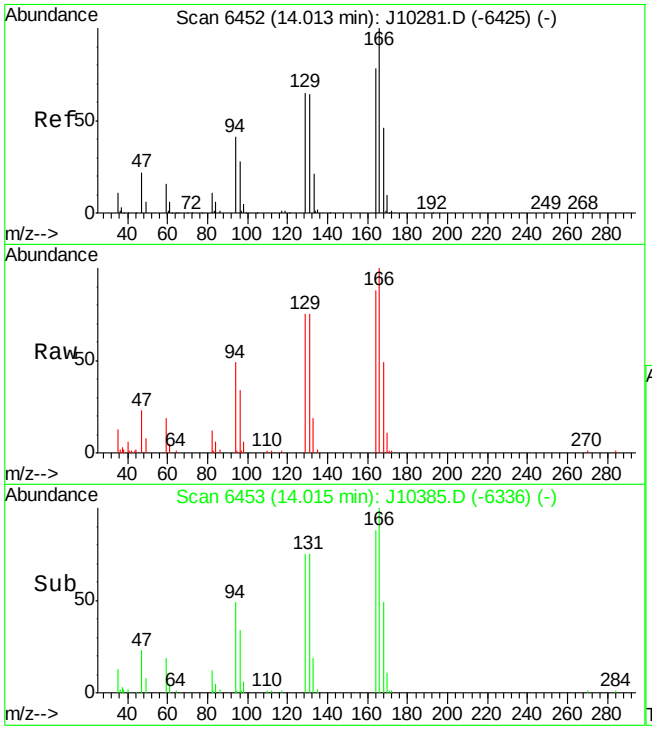


#28
METHYL ETHYL KETONE
Concen: 1.09 PPBV
RT: 8.11 min Scan# 3118
Delta R.T. 0.04 min
Lab File: J10385.D
Acq: 16 May 2007 3:24 am

Tgt Ion: 43 Resp: 35185

Ion	Ratio	Lower	Upper
43	100		
57	4.2	0.0	28.8
72	17.3	7.6	47.6

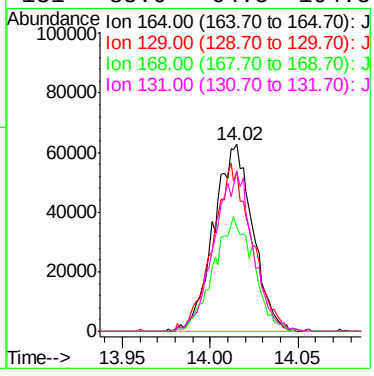




#51
TETRACHLOROETHYLENE
Concen: 1.97 PPBV
RT: 14.02 min Scan# 6453
Delta R.T. 0.00 min
Lab File: J10385.D
Acq: 16 May 2007 3:24 am

Tgt Ion:164 Resp: 96521

Ion	Ratio	Lower	Upper
164	100		
129	89.8	67.6	107.6
168	63.3	42.8	82.8
131	85.0	64.5	104.5

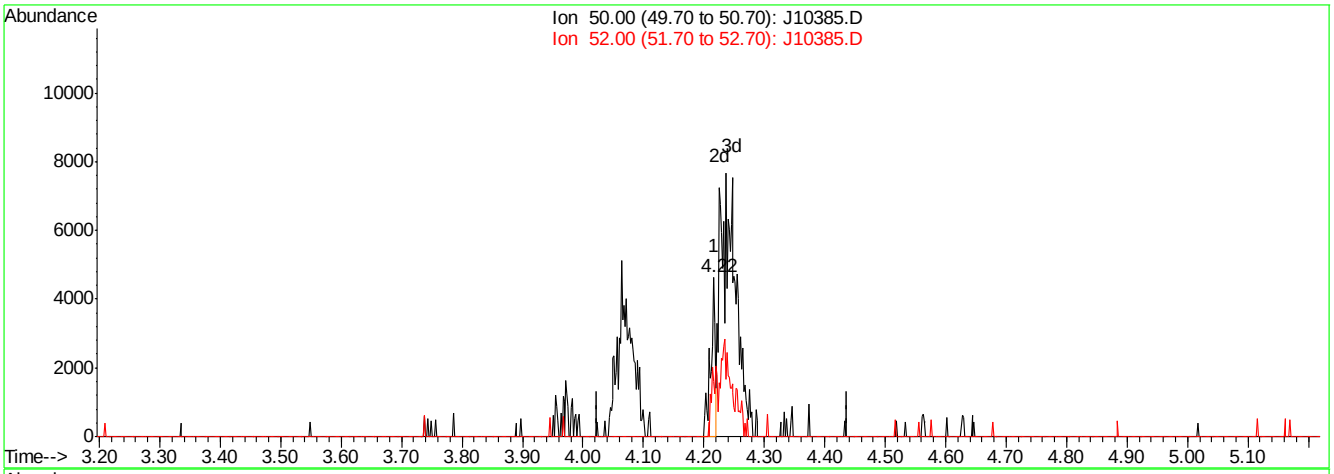


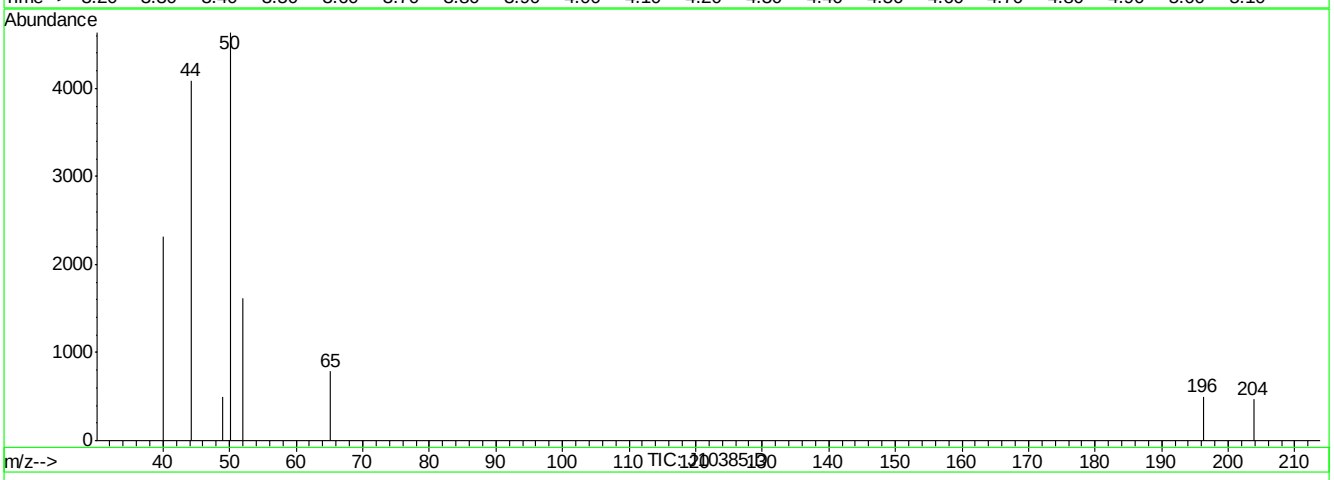
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J10385.D Vial: 11
Acq On : 16 May 2007 3:24 am Operator: PhilipB
Sample : M64809-4 Inst : MSJ
Misc : MS13551, MSJ537,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 16 07:50:21 2007 Results File: J050907T.RES

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 11:09:51 2007
Response via : Multiple Level Calibration





(5) CHLOROMETHANE (m)

4.22min 0.11PPBV

response 2501

Ion	Exp%	Act%
50.00	100	100
52.00	32.60	14.80
0.00	0.00	0.00
0.00	0.00	0.00

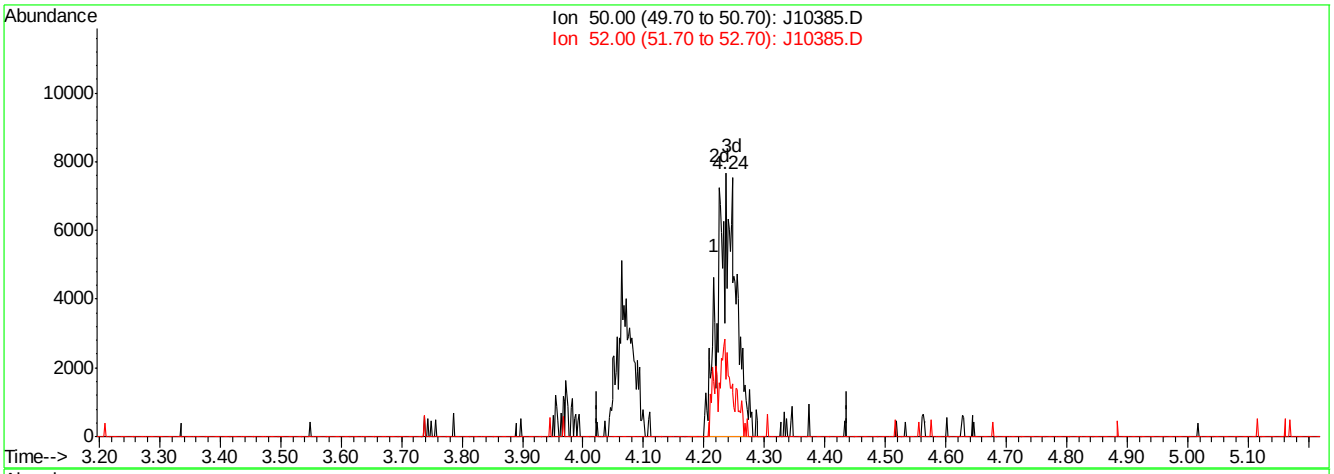
J10385.D J050907T.M Wed May 16 08:09:00 2007

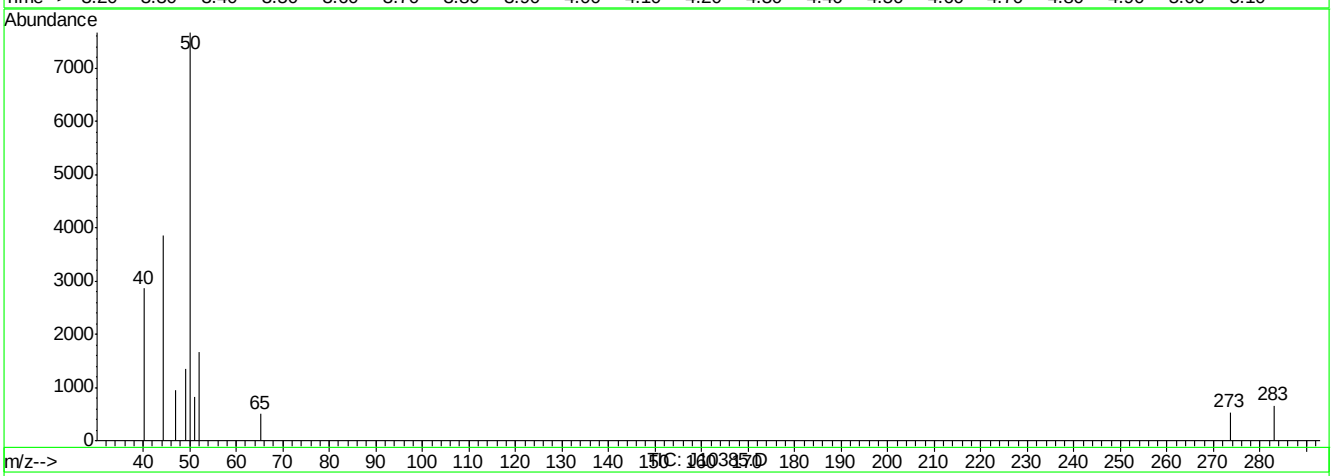
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J10385.D Vial: 11
Acq On : 16 May 2007 3:24 am Operator: PhilipB
Sample : M64809-4 Inst : MSJ
Misc : MS13551, MSJ537,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 16 07:50:21 2007 Results File: J050907T.RES

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 11:09:51 2007
Response via : Multiple Level Calibration





(5) CHLOROMETHANE (m)

4.24min 0.69PPBV m

response 16151

Ion	Exp%	Act%
50.00	100	100
52.00	32.60	21.75
0.00	0.00	0.00
0.00	0.00	0.00

J10385.D J050907T.M Wed May 16 08:09:04 2007

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10386.D
Acq On : 16 May 2007 4:11 am
Operator : PhilipB
Sample : M64809-5
Misc : MS13551, MSJ537,,,,,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 16 08:10:48 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 10 11:09:51 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.63	128	325028	10.00	PPBV	0.01
35) 1,4-DIFLUOROBENZENE	10.44	114	1275471	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.67	117	1142976	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.29	95	359872	5.37	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 107.40%

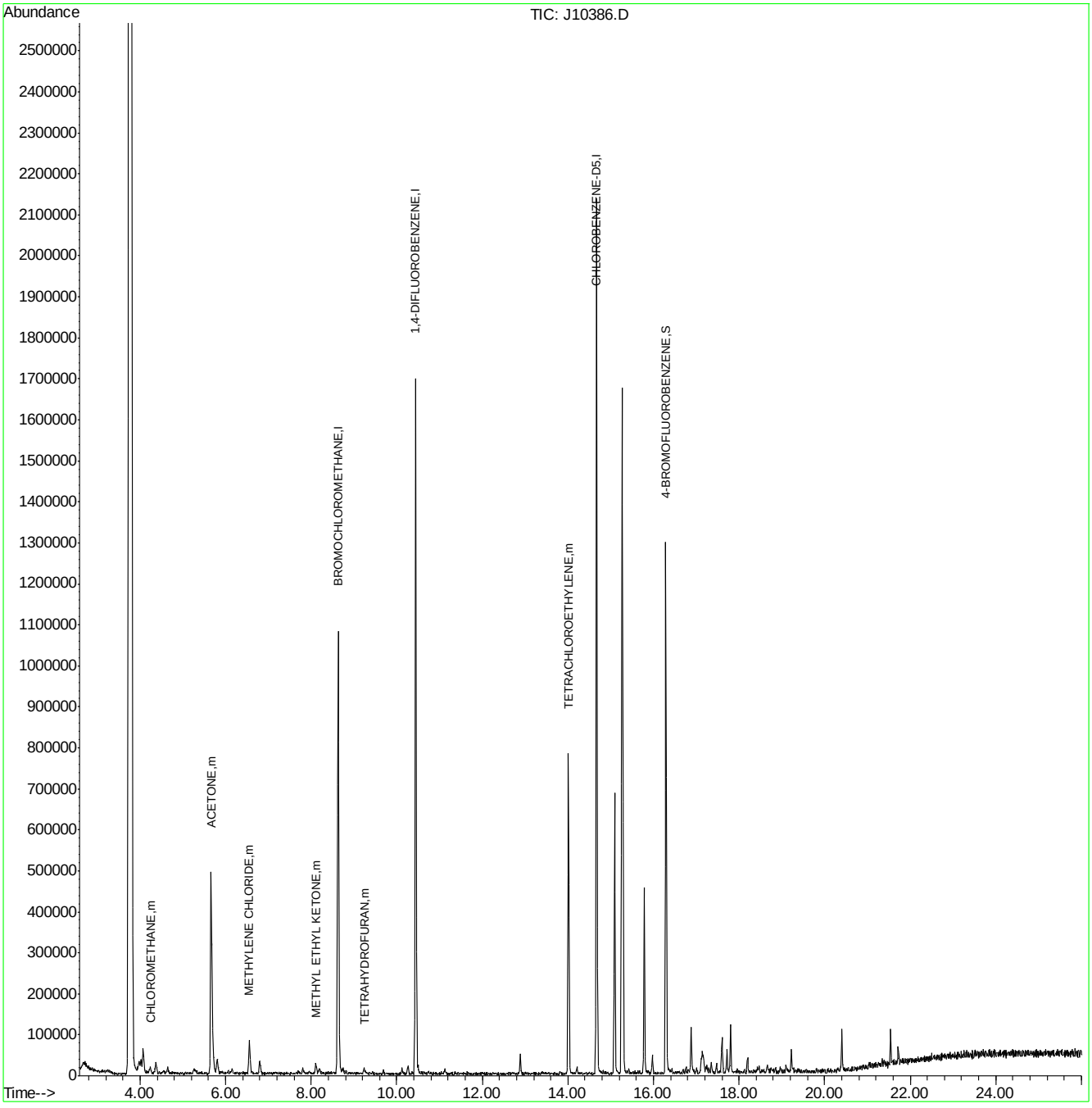
Target Compounds						Qvalue
5) CHLOROMETHANE	4.24	50	15626	0.74	PPBV	88
12) ACETONE	5.66	43	782502	26.56	PPBV	100
18) METHYLENE CHLORIDE	6.55	84	42385	0.65	PPBV	97
24) TETRAHYDROFURAN	9.25	42	8101	0.57	PPBV #	56
28) METHYL ETHYL KETONE	8.11	43	33181	1.14	PPBV	97
51) TETRACHLOROETHYLENE	14.01	164	168538	4.37	PPBV	99

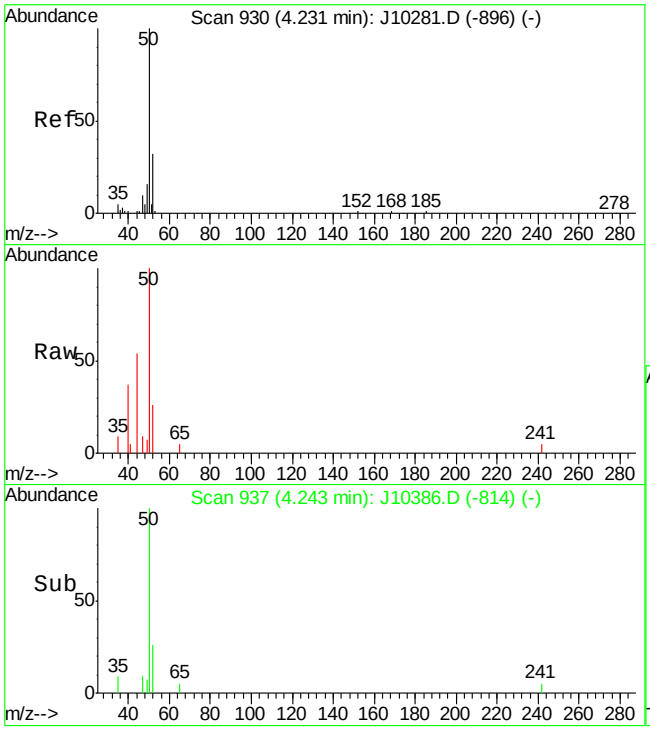
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10386.D
Acq On : 16 May 2007 4:11 am
Operator : PhilipB
Sample : M64809-5
Misc : MS13551, MSJ537,,,,,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 16 08:10:48 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 10 11:09:51 2007
Response via : Initial Calibration

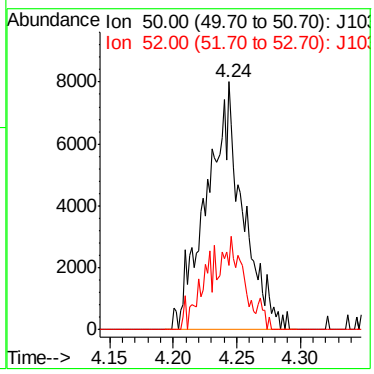


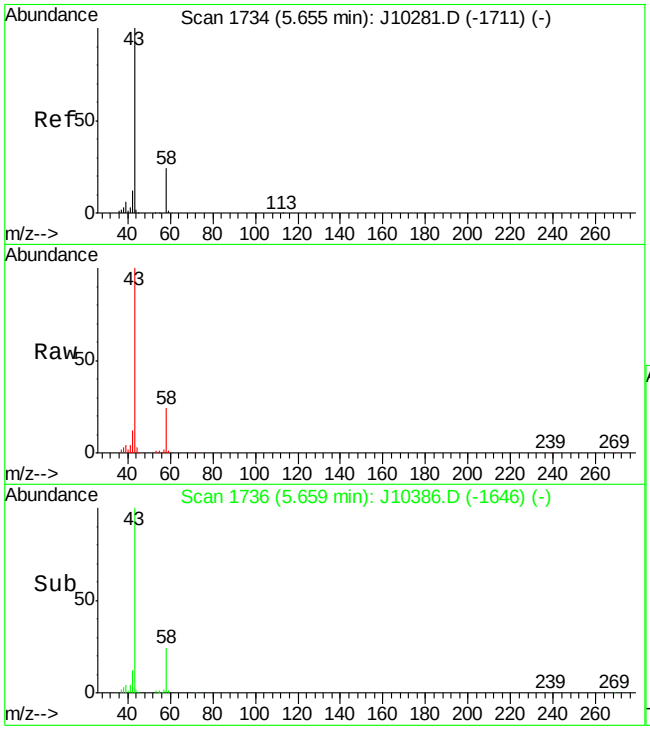


#5
CHLOROMETHANE
Concen: 0.74 PPBV
RT: 4.24 min Scan# 937
Delta R.T. 0.01 min
Lab File: J10386.D
Acq: 16 May 2007 4:11 am

Tgt Ion: 50 Resp: 15626

Ion	Ratio	Lower	Upper
50	100		
52	26.1	12.6	52.6

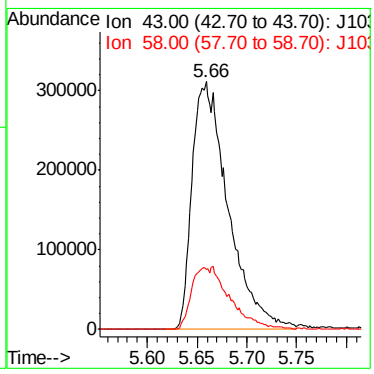


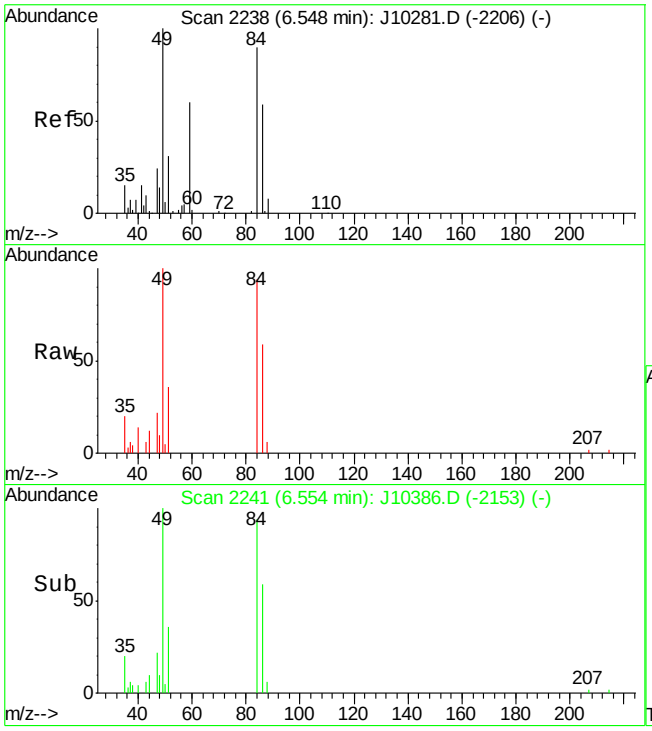


#12
ACETONE
Concen: 26.56 PPBV
RT: 5.66 min Scan# 1736
Delta R.T. 0.00 min
Lab File: J10386.D
Acq: 16 May 2007 4:11 am

Tgt Ion: 43 Resp: 782502

Ion	Ratio	Lower	Upper
43	100		
58	26.8	6.8	46.8

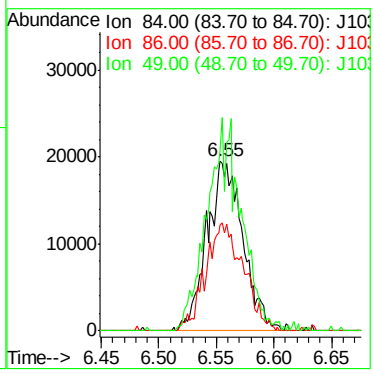


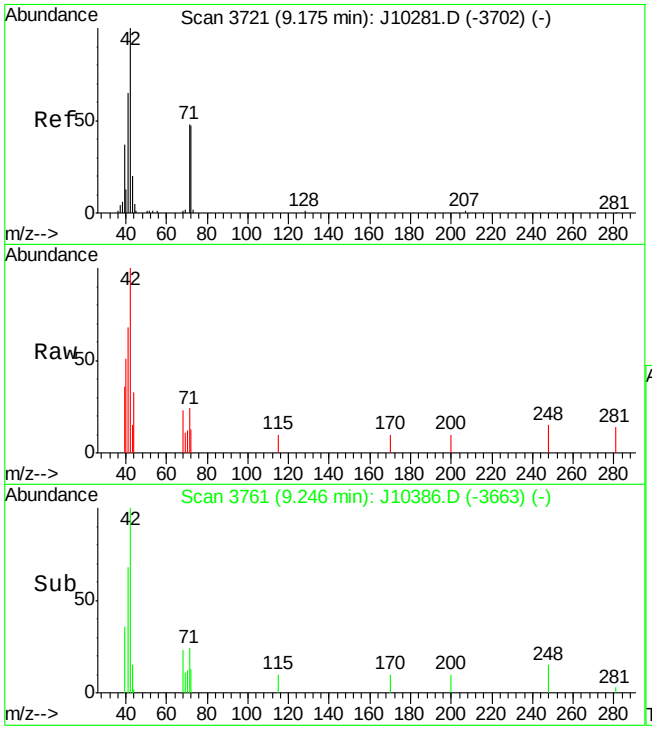


#18
METHYLENE CHLORIDE
Concen: 0.65 PPBV
RT: 6.55 min Scan# 2241
Delta R.T. 0.01 min
Lab File: J10386.D
Acq: 16 May 2007 4:11 am

Tgt Ion: 84 Resp: 42385

Ion	Ratio	Lower	Upper
84	100		
86	67.0	47.2	87.2
49	119.6	0.0	314.2

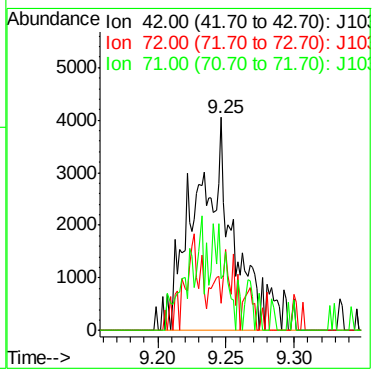


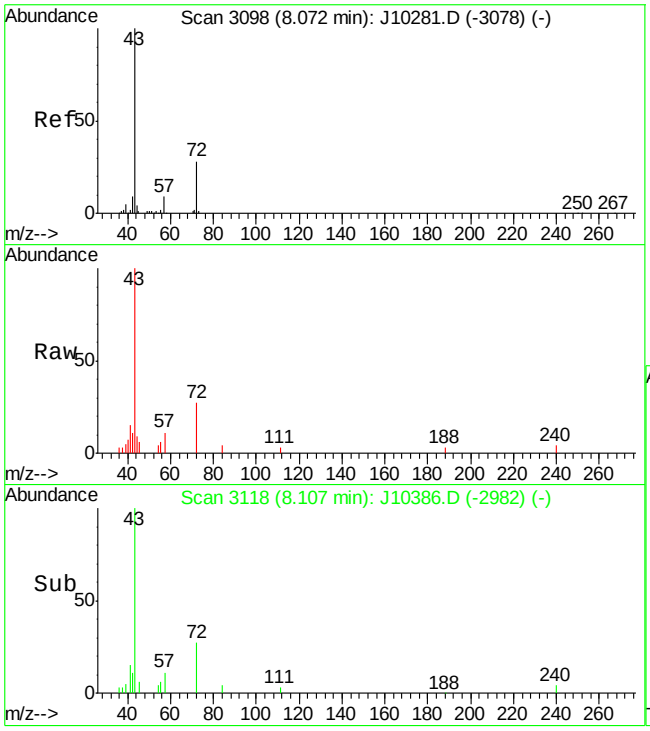


#24
TETRAHYDROFURAN
Concen: 0.57 PPBV
RT: 9.25 min Scan# 3761
Delta R.T. 0.07 min
Lab File: J10386.D
Acq: 16 May 2007 4:11 am

Tgt Ion: 42 Resp: 8101

Ion	Ratio	Lower	Upper
42	100		
72	20.0	31.3	71.3#
71	21.3	32.5	72.5#

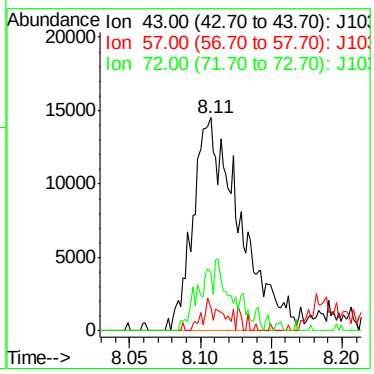


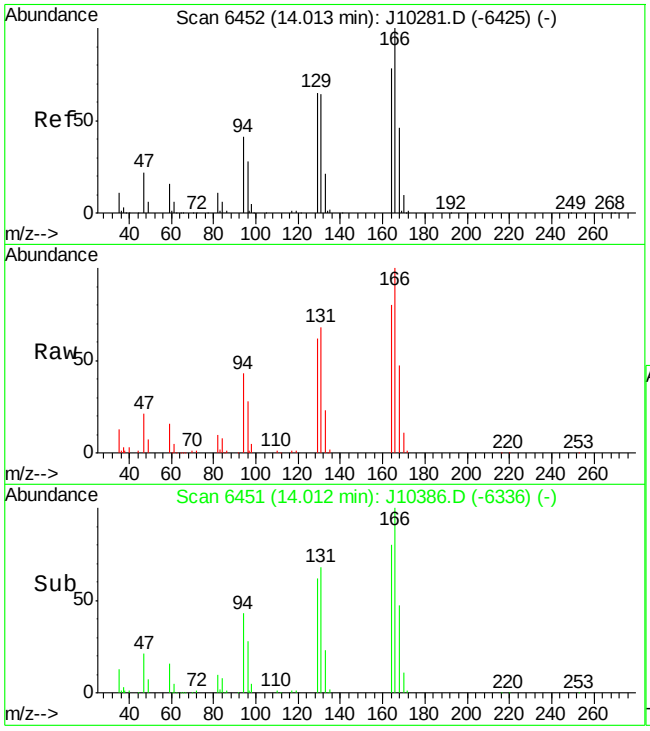


#28
METHYL ETHYL KETONE
Concen: 1.14 PPBV
RT: 8.11 min Scan# 3118
Delta R.T. 0.04 min
Lab File: J10386.D
Acq: 16 May 2007 4:11 am

Tgt Ion: 43 Resp: 33181

Ion	Ratio	Lower	Upper
43	100		
57	10.7	0.0	28.8
72	26.7	7.6	47.6

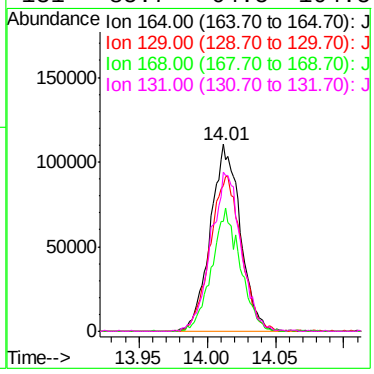




#51
TETRACHLOROETHYLENE
Concen: 4.37 PPBV
RT: 14.01 min Scan# 6451
Delta R.T. -0.00 min
Lab File: J10386.D
Acq: 16 May 2007 4:11 am

Tgt Ion:164 Resp: 168538

Ion	Ratio	Lower	Upper
164	100		
129	86.1	67.6	107.6
168	62.5	42.8	82.8
131	85.7	64.5	104.5



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10387.D
Acq On : 16 May 2007 4:58 am
Operator : PhilipB
Sample : M64809-6
Misc : MS13551, MSJ537,,,,,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 16 08:11:51 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 10 11:09:51 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.63	128	331076	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.44	114	1323350	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.67	117	1176187	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.29	95	350052	5.07	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 101.40%

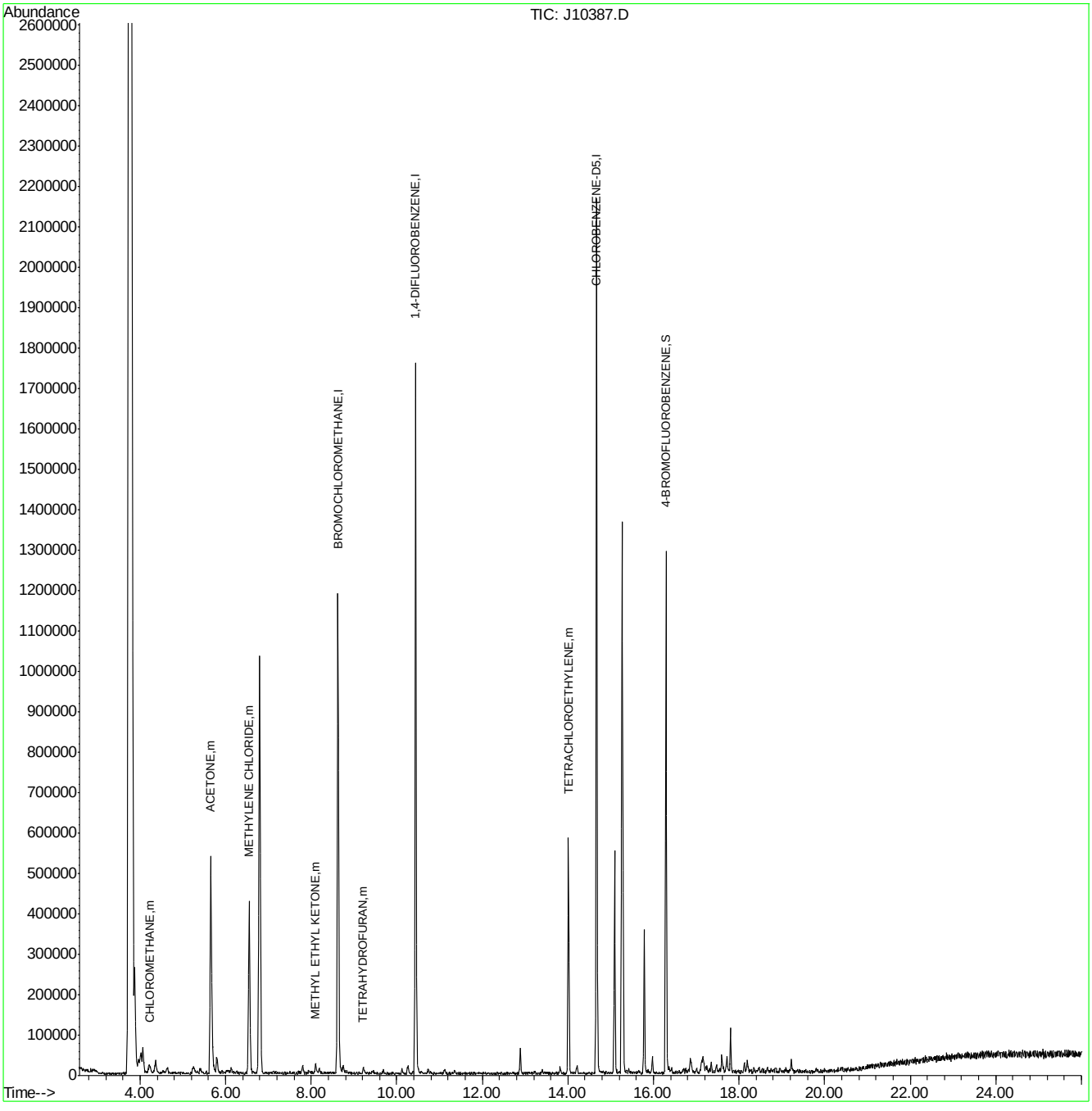
Target Compounds						Qvalue
5) CHLOROMETHANE	4.24	50	16343	0.76	PPBV	91
12) ACETONE	5.65	43	816326	27.20	PPBV	100
18) METHYLENE CHLORIDE	6.55	84	232491	7.87	PPBV	98
24) TETRAHYDROFURAN	9.21	42	6123	0.43	PPBV	90
28) METHYL ETHYL KETONE	8.10	43	30551	1.03	PPBV	92
51) TETRACHLOROETHYLENE	14.02	164	133259	3.35	PPBV	98

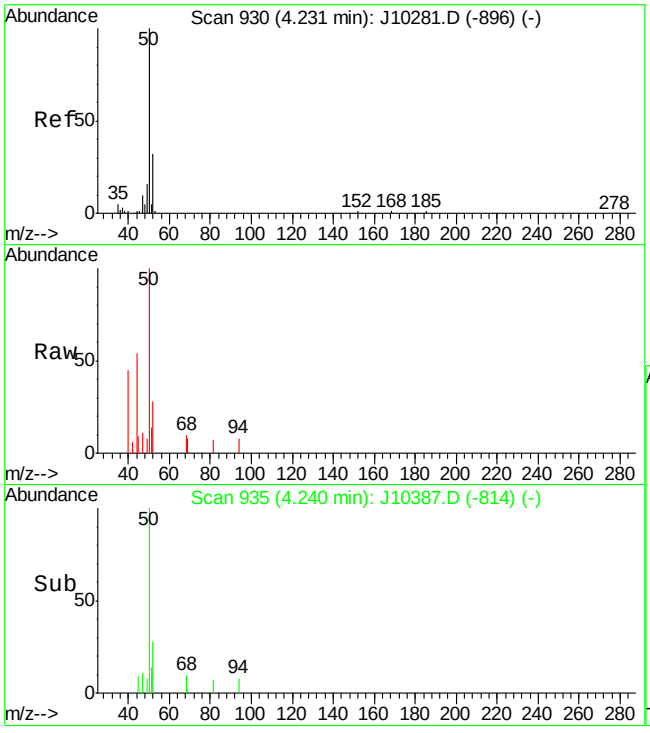
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10387.D
Acq On : 16 May 2007 4:58 am
Operator : PhilipB
Sample : M64809-6
Misc : MS13551, MSJ537,,,,,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 16 08:11:51 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 10 11:09:51 2007
Response via : Initial Calibration

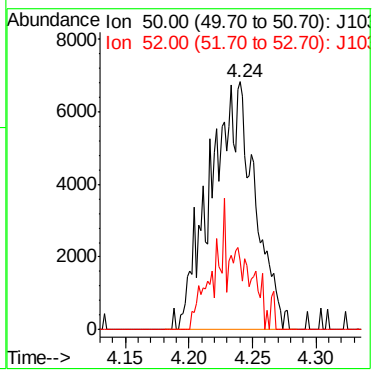


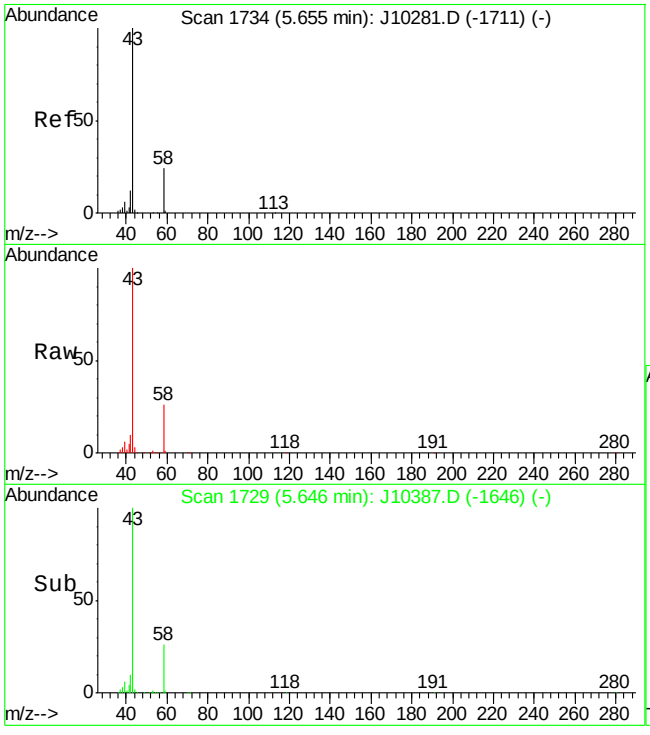


#5
CHLOROMETHANE
Concen: 0.76 PPBV
RT: 4.24 min Scan# 935
Delta R.T. 0.01 min
Lab File: J10387.D
Acq: 16 May 2007 4:58 am

Tgt Ion: 50 Resp: 16343

Ion	Ratio	Lower	Upper
50	100		
52	27.6	12.6	52.6

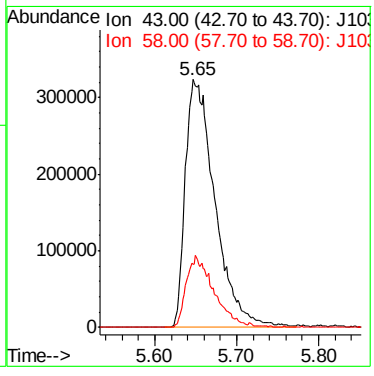


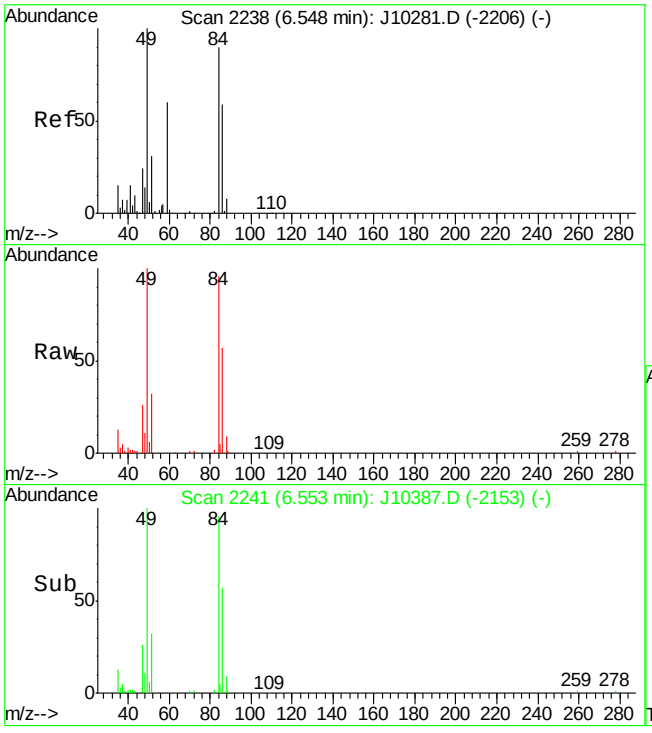


#12
ACETONE
Concen: 27.20 PPBV
RT: 5.65 min Scan# 1729
Delta R.T. -0.01 min
Lab File: J10387.D
Acq: 16 May 2007 4:58 am

Tgt Ion: 43 Resp: 816326

Ion	Ratio	Lower	Upper
43	100		
58	26.9	6.8	46.8

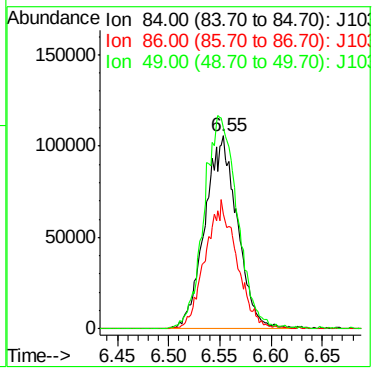


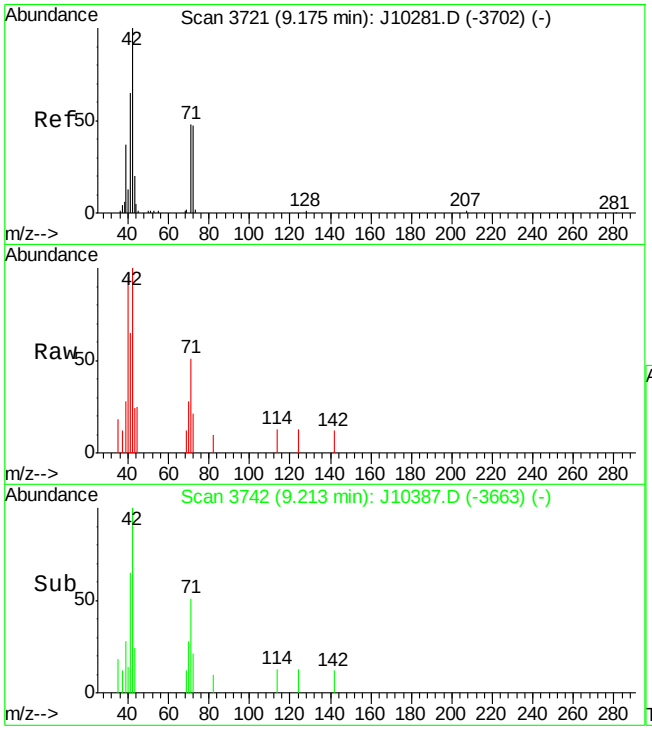


#18
METHYLENE CHLORIDE
Concen: 7.87 PPBV
RT: 6.55 min Scan# 2241
Delta R.T. 0.01 min
Lab File: J10387.D
Acq: 16 May 2007 4:58 am

Tgt Ion: 84 Resp: 232491

Ion	Ratio	Lower	Upper
84	100		
86	64.9	47.2	87.2
49	113.4	0.0	314.2

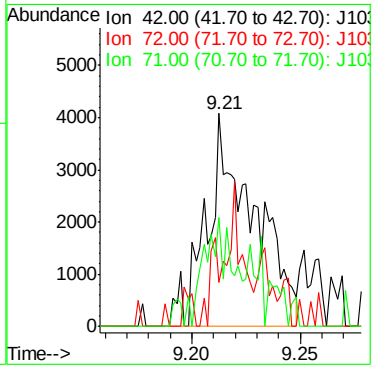


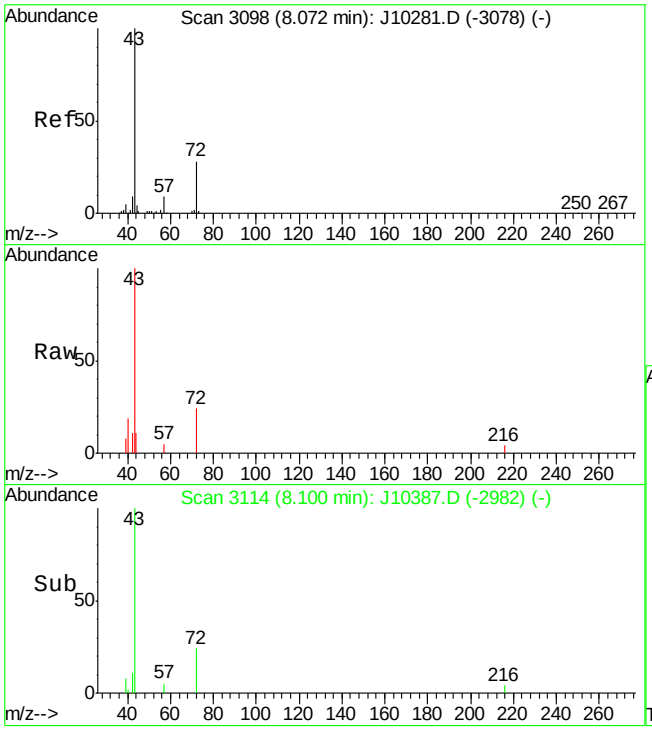


#24
TETRAHYDROFURAN
Concen: 0.43 PPBV
RT: 9.21 min Scan# 3742
Delta R.T. 0.04 min
Lab File: J10387.D
Acq: 16 May 2007 4:58 am

Tgt Ion: 42 Resp: 6123

Ion	Ratio	Lower	Upper
42	100		
72	46.6	31.3	71.3
71	43.0	32.5	72.5

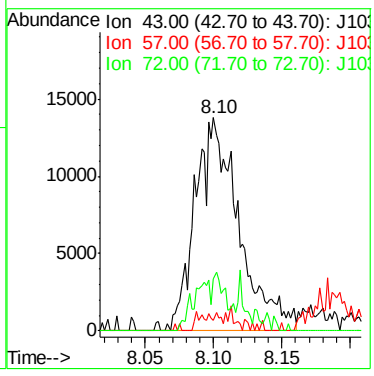


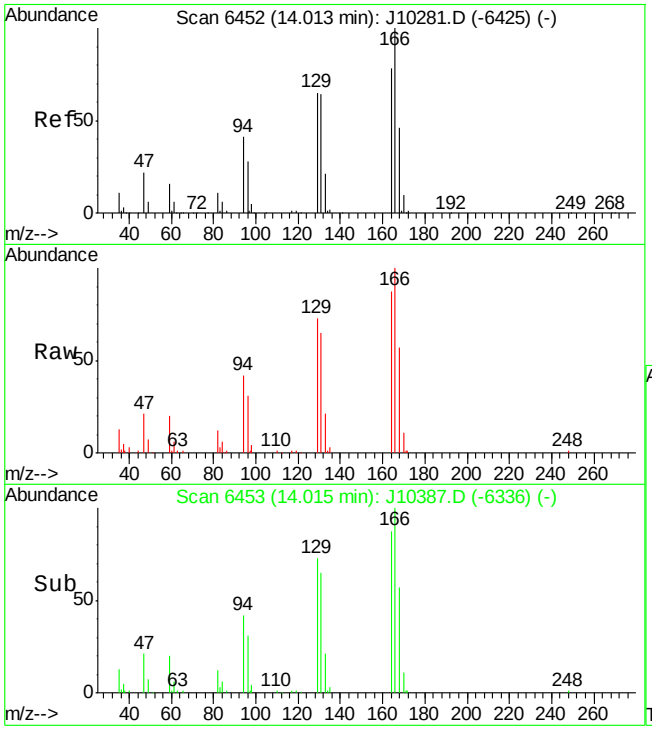


#28
METHYL ETHYL KETONE
Concen: 1.03 PPBV
RT: 8.10 min Scan# 3114
Delta R.T. 0.03 min
Lab File: J10387.D
Acq: 16 May 2007 4:58 am

Tgt Ion: 43 Resp: 30551

Ion	Ratio	Lower	Upper
43	100		
57	4.8	0.0	28.8
72	24.3	7.6	47.6

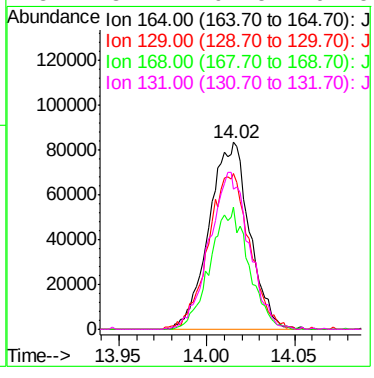




#51
TETRACHLOROETHYLENE
Concen: 3.35 PPBV
RT: 14.02 min Scan# 6453
Delta R.T. 0.00 min
Lab File: J10387.D
Acq: 16 May 2007 4:58 am

Tgt Ion:164 Resp: 133259

Ion	Ratio	Lower	Upper
164	100		
129	85.5	67.6	107.6
168	62.0	42.8	82.8
131	82.1	64.5	104.5



Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
05/16/07 12:59

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10388.D
Acq On : 16 May 2007 8:06 am
Operator : PhilipB
Sample : M64809-7
Misc : MS13551, MSJ537,,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 16 08:53:44 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 10 11:09:51 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	364804	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.44	114	1515015	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.67	117	1419146	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.29	95	458817	5.51	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 110.20%

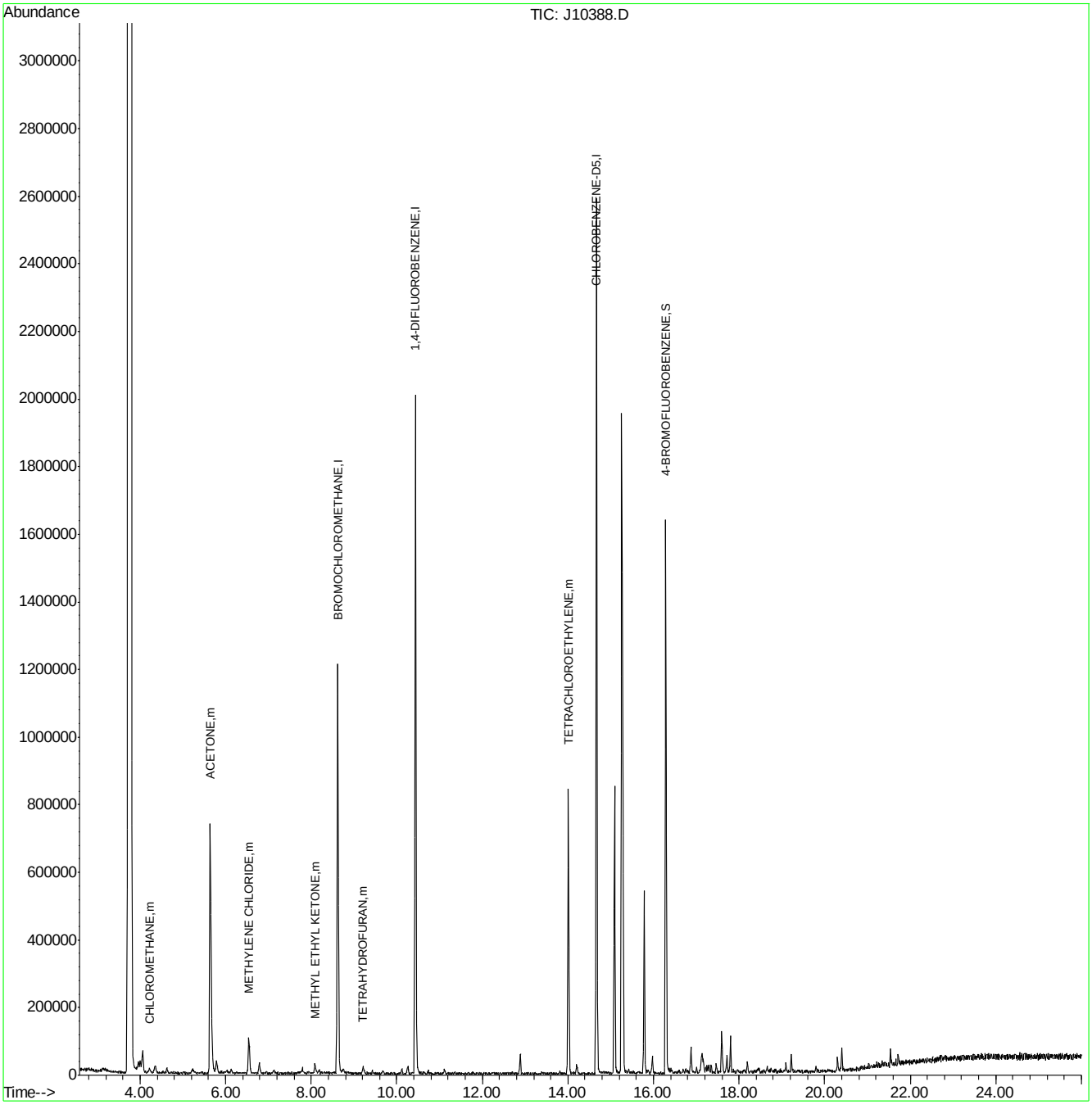
Target Compounds						Qvalue
5) CHLOROMETHANE	4.23	50	14224m	0.60	PPBV	
12) ACETONE	5.64	43	1154743	34.85	PPBV	100
18) METHYLENE CHLORIDE	6.54	84	58355	1.02	PPBV	98
24) TETRAHYDROFURAN	9.22	42	9659	0.61	PPBV #	71
28) METHYL ETHYL KETONE	8.09	43	35922	1.10	PPBV	85
51) TETRACHLOROETHYLENE	14.01	164	185536	3.87	PPBV	98

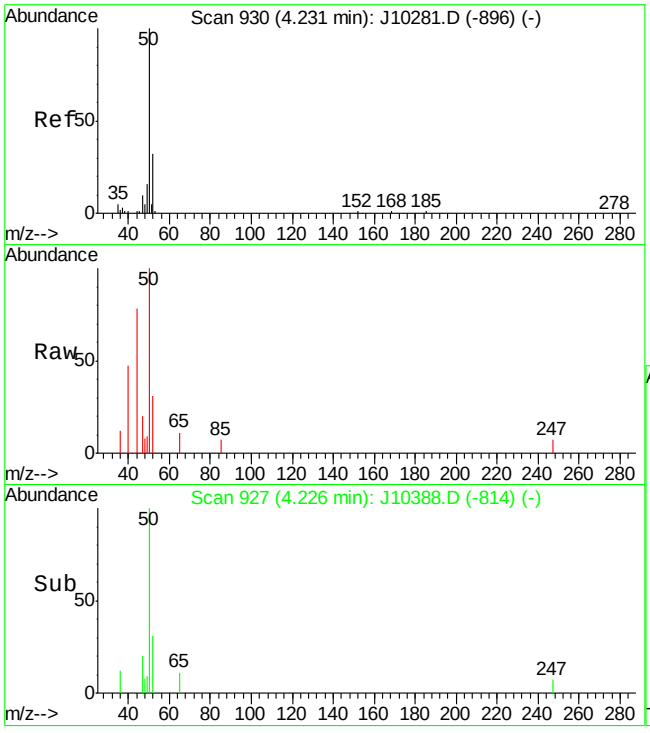
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10388.D
Acq On : 16 May 2007 8:06 am
Operator : PhilipB
Sample : M64809-7
Misc : MS13551, MSJ537,,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 16 08:53:44 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 10 11:09:51 2007
Response via : Initial Calibration

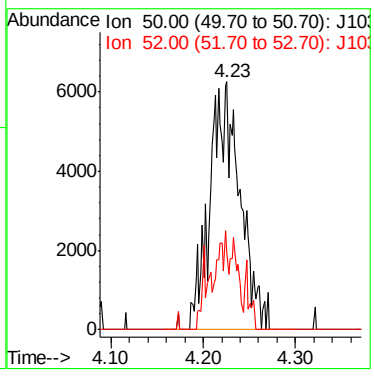


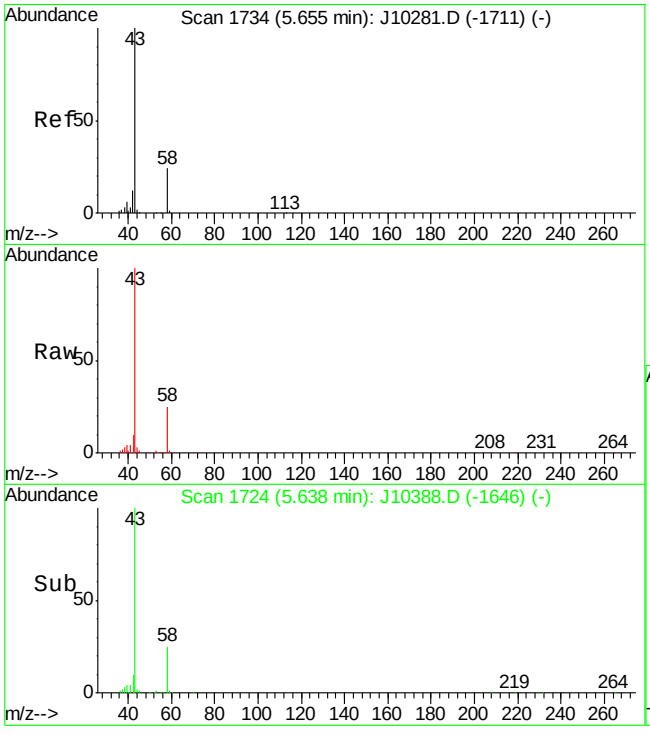


#5
CHLOROMETHANE
Concen: 0.60 PPBV m
RT: 4.23 min Scan# 927
Delta R.T. -0.01 min
Lab File: J10388.D
Acq: 16 May 2007 8:06 am

Tgt Ion: 50 Resp: 14224

Ion	Ratio	Lower	Upper
50	100		
52	31.4	12.6	52.6

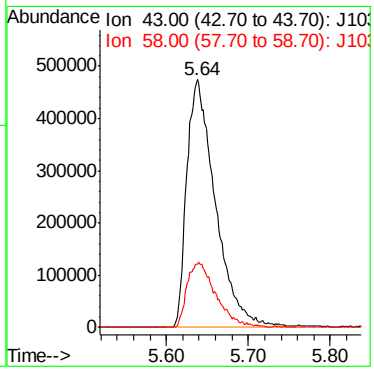


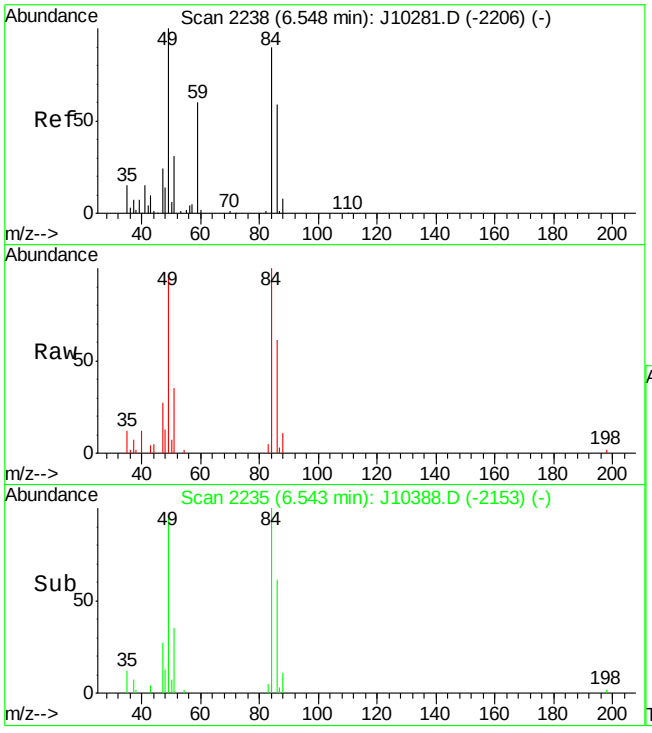


#12
ACETONE
Concen: 34.85 PPBV
RT: 5.64 min Scan# 1724
Delta R.T. -0.02 min
Lab File: J10388.D
Acq: 16 May 2007 8:06 am

Tgt Ion: 43 Resp: 1154743

Ion	Ratio	Lower	Upper
43	100		
58	26.6	6.8	46.8

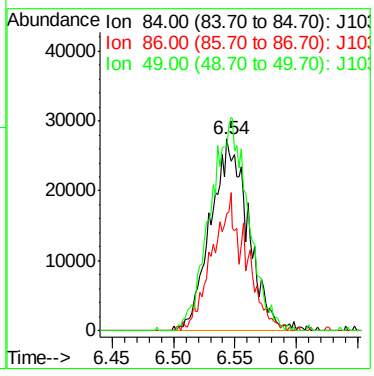


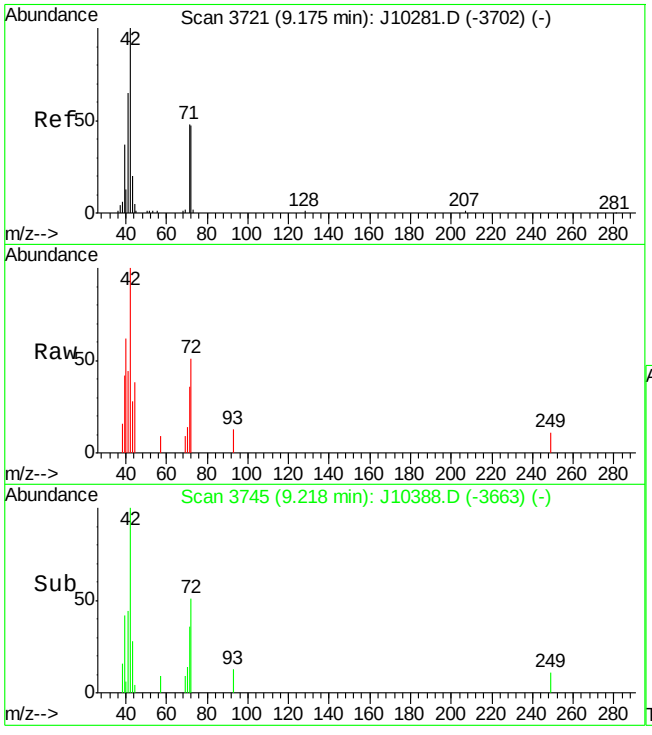


#18
METHYLENE CHLORIDE
Concen: 1.02 PPBV
RT: 6.54 min Scan# 2235
Delta R.T. -0.01 min
Lab File: J10388.D
Acq: 16 May 2007 8:06 am

Tgt Ion: 84 Resp: 58355

Ion	Ratio	Lower	Upper
84	100		
86	64.6	47.2	87.2
49	112.2	0.0	314.2

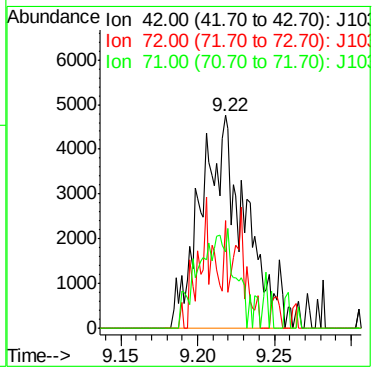


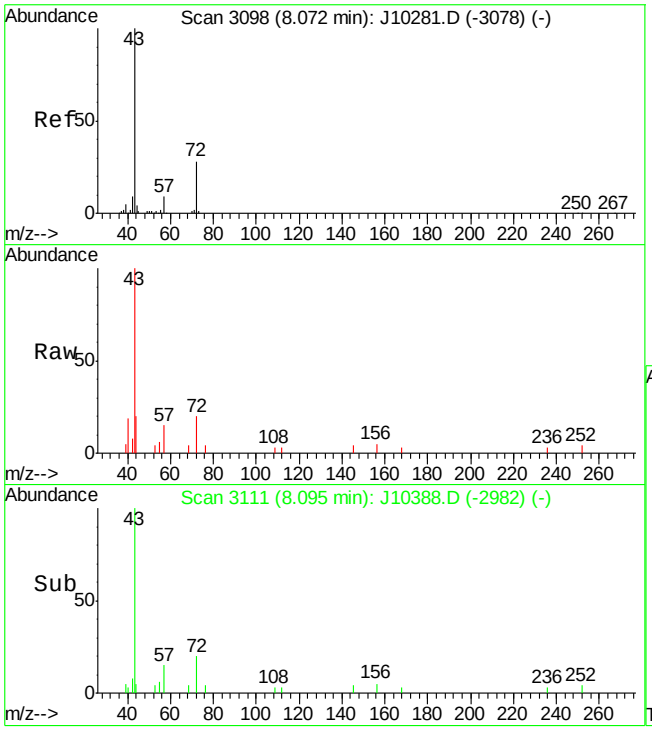


#24
TETRAHYDROFURAN
Concen: 0.61 PPBV
RT: 9.22 min Scan# 3745
Delta R.T. 0.04 min
Lab File: J10388.D
Acq: 16 May 2007 8:06 am

Tgt Ion: 42 Resp: 9659

Ion	Ratio	Lower	Upper
42	100		
72	25.6	31.3	71.3#
71	37.4	32.5	72.5

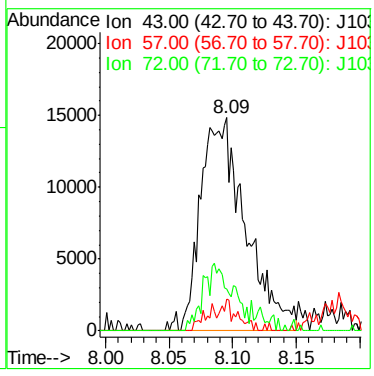


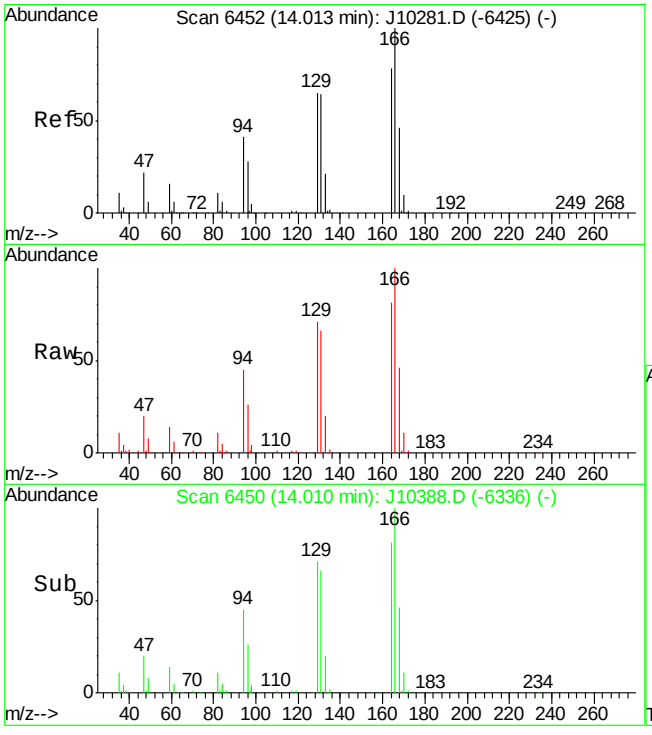


#28
METHYL ETHYL KETONE
Concen: 1.10 PPBV
RT: 8.09 min Scan# 3111
Delta R.T. 0.02 min
Lab File: J10388.D
Acq: 16 May 2007 8:06 am

Tgt Ion: 43 Resp: 35922

Ion	Ratio	Lower	Upper
43	100		
57	14.7	0.0	28.8
72	19.7	7.6	47.6

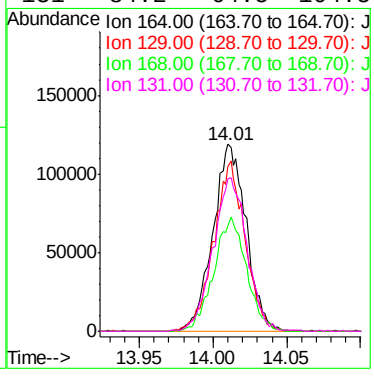




#51
TETRACHLOROETHYLENE
Concen: 3.87 PPBV
RT: 14.01 min Scan# 6450
Delta R.T. -0.00 min
Lab File: J10388.D
Acq: 16 May 2007 8:06 am

Tgt Ion:164 Resp: 185536

Ion	Ratio	Lower	Upper
164	100		
129	86.1	67.6	107.6
168	60.3	42.8	82.8
131	84.2	64.5	104.5

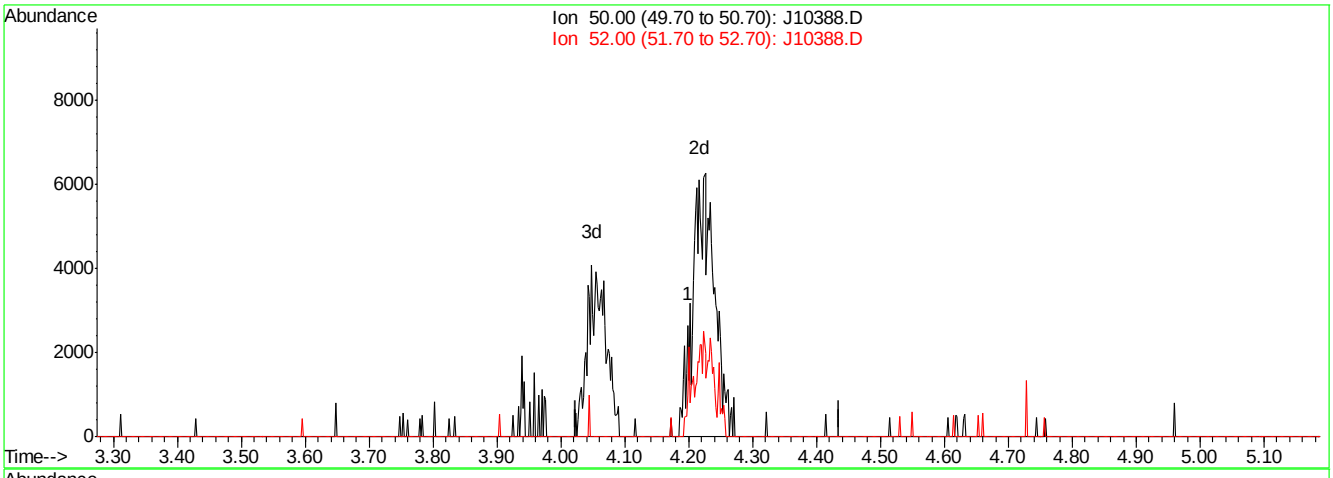


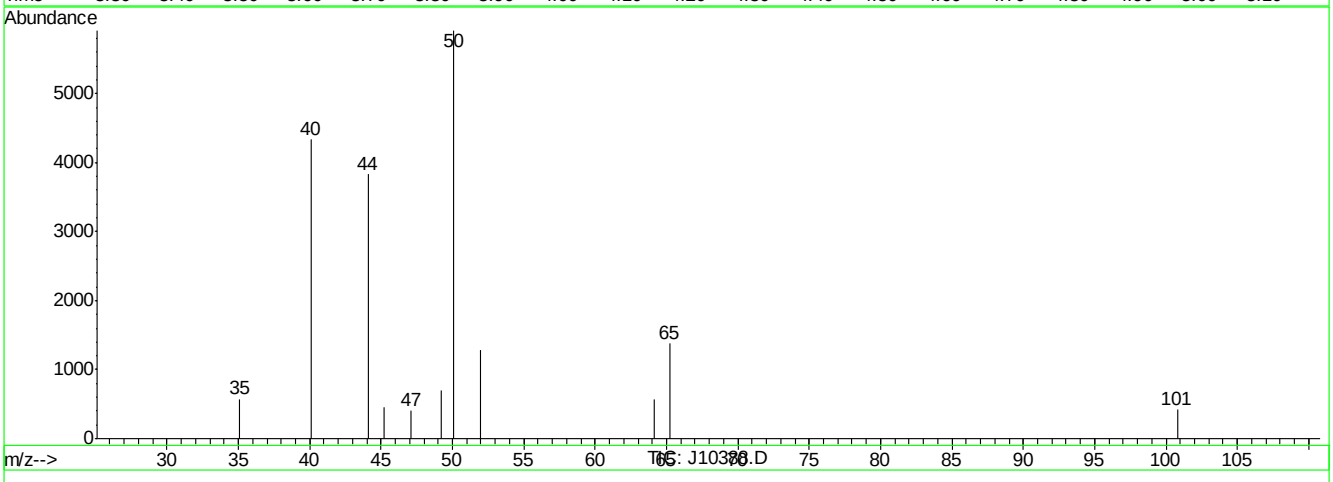
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J10388.D Vial: 14
Acq On : 16 May 2007 8:06 am Operator: PhilipB
Sample : M64809-7 Inst : MSJ
Misc : MS13551, MSJ537,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 16 08:51:36 2007 Results File: J050907T.RES

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 11:09:51 2007
Response via : Multiple Level Calibration





(5) CHLOROMETHANE (m)

4.23min 0.00PPBV d

response 0

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

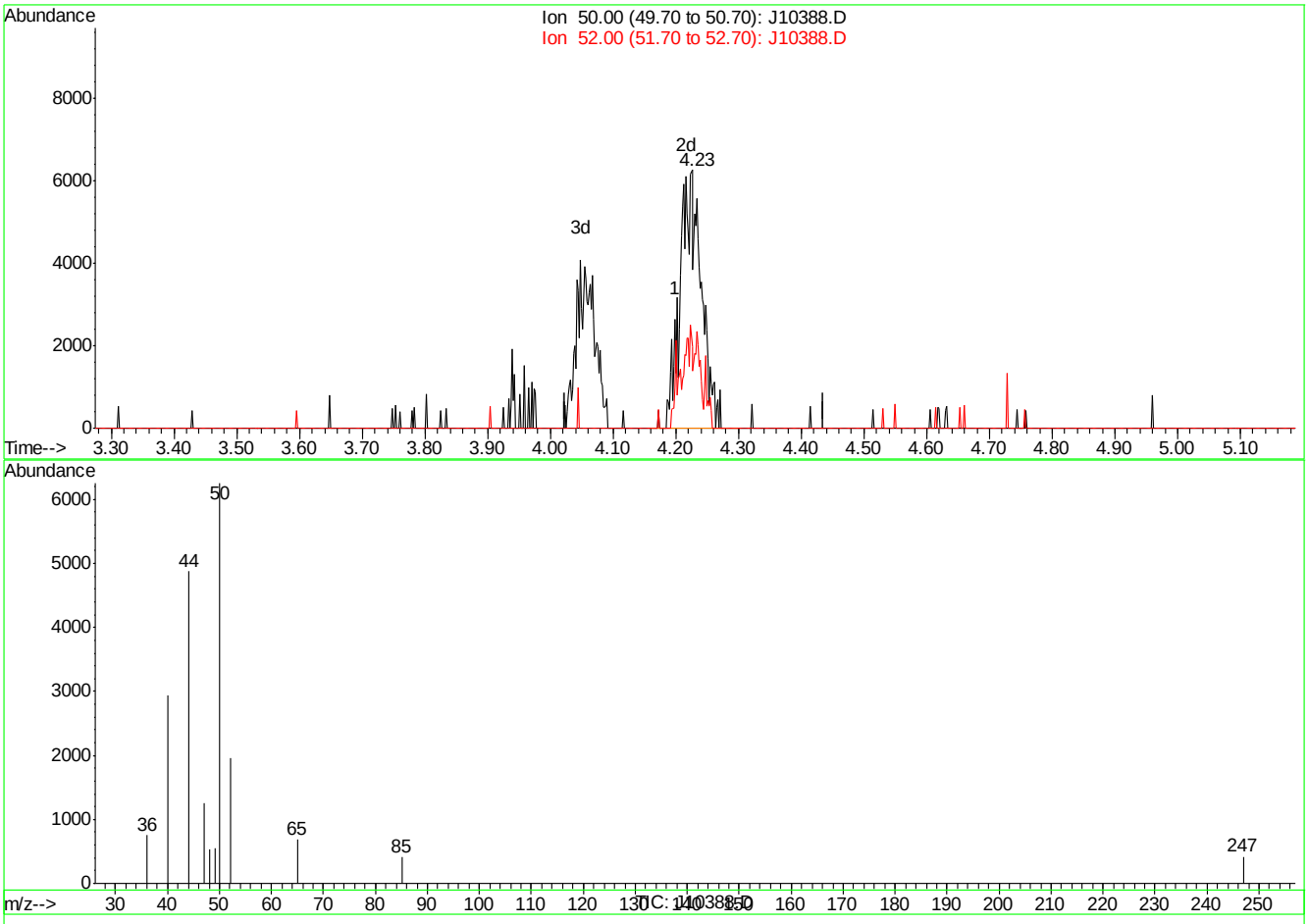
J10388.D J050907T.M Wed May 16 08:53:12 2007

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J10388.D Vial: 14
Acq On : 16 May 2007 8:06 am Operator: PhilipB
Sample : M64809-7 Inst : MSJ
Misc : MS13551, MSJ537,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 16 08:51:36 2007 Results File: J050907T.RES

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 11:09:51 2007
Response via : Multiple Level Calibration



(5) CHLOROMETHANE (m)

4.23min 0.60PPBV m

response 14224

Ion	Exp%	Act%
50.00	100	100
52.00	32.60	31.44
0.00	0.00	0.00
0.00	0.00	0.00

J10388.D J050907T.M Wed May 16 08:53:15 2007

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10389.D
Acq On : 16 May 2007 8:55 am
Operator : PhilipB
Sample : M64809-8
Misc : MS13551, MSJ537,,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 16 10:23:34 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 10 11:09:51 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	355227	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.44	114	1533406	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.67	117	1430527	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.29	95	408663	4.87	PPBV	0.00
Spiked Amount 5.000	Range 51 - 142		Recovery = 97.40%			
Target Compounds						Qvalue
33) CARBON TETRACHLORIDE	10.25	117	11434	0.10	PPBV	94
51) TETRACHLOROETHYLENE	14.01	164	20053	0.42	PPBV	98

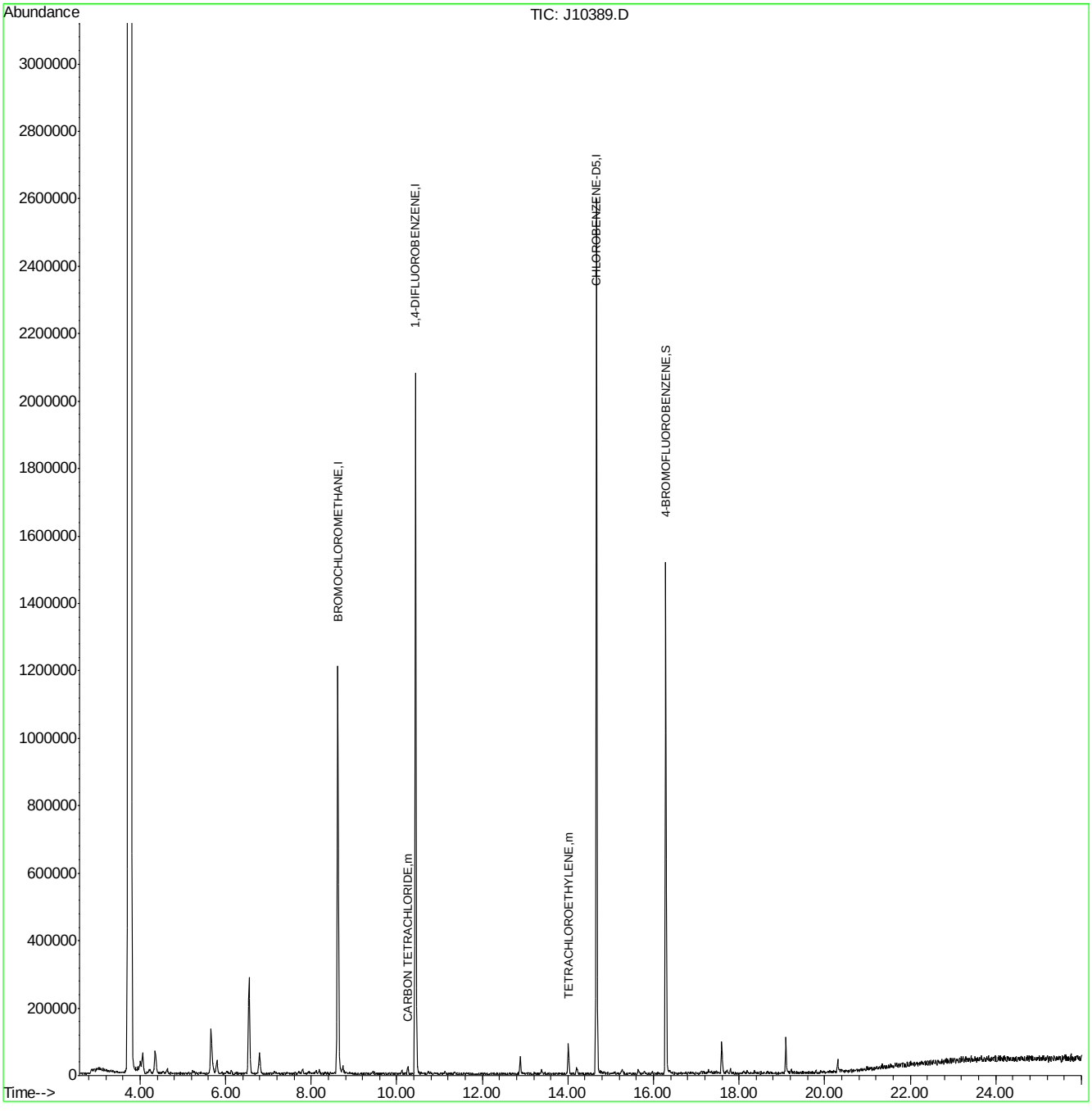
(#) = qualifier out of range (m) = manual integration (+) = signals summed

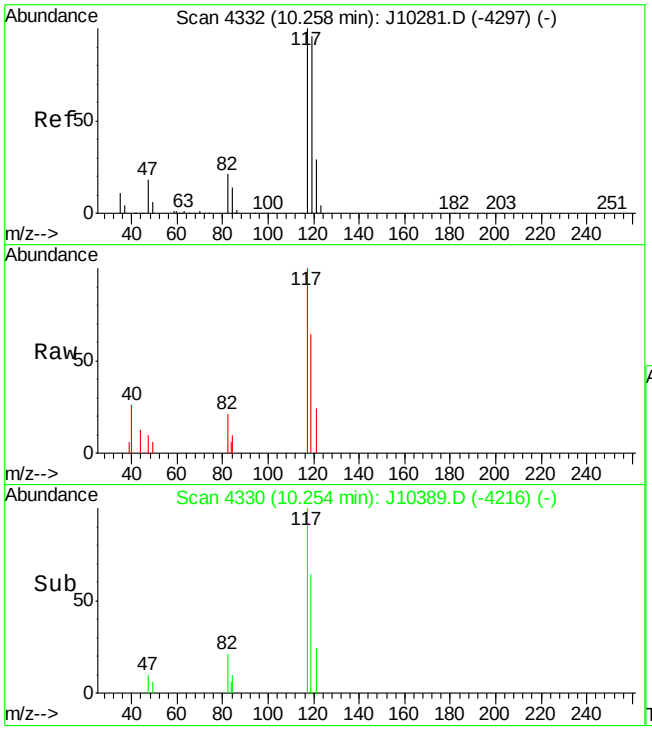
ACCUTEST Laboratories

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10389.D
Acq On : 16 May 2007 8:55 am
Operator : PhilipB
Sample : M64809-8
Misc : MS13551, MSJ537,,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 16 10:23:34 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 10 11:09:51 2007
Response via : Initial Calibration

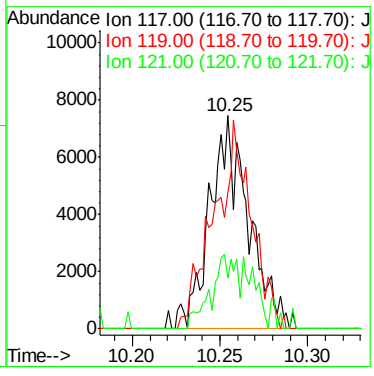


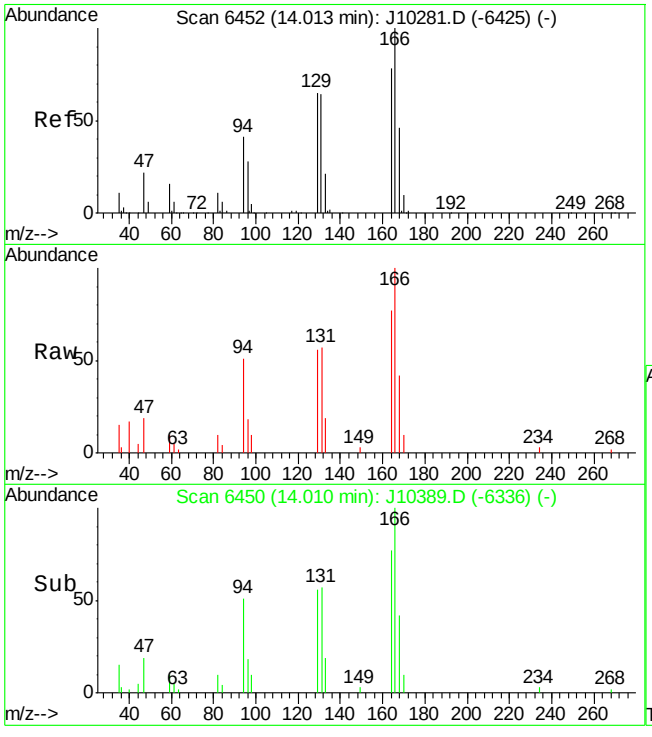


#33
CARBON TETRACHLORIDE
Concen: 0.10 PPBV
RT: 10.25 min Scan# 4330
Delta R.T. -0.00 min
Lab File: J10389.D
Acq: 16 May 2007 8:55 am

Tgt Ion:117 Resp: 11434

Ion	Ratio	Lower	Upper
117	100		
119	94.5	77.0	117.0
121	22.7	11.3	51.3

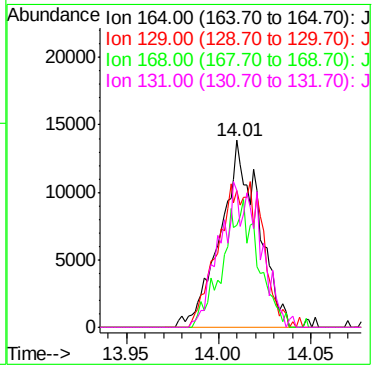




#51
TETRACHLOROETHYLENE
Concen: 0.42 PPBV
RT: 14.01 min Scan# 6450
Delta R.T. -0.00 min
Lab File: J10389.D
Acq: 16 May 2007 8:55 am

Tgt Ion:164 Resp: 20053

Ion	Ratio	Lower	Upper
164	100		
129	88.8	67.6	107.6
168	62.9	42.8	82.8
131	81.4	64.5	104.5



Manual Integrations
APPROVED
(compounds with "m" flag)
Doug Yargeau
05/16/07 12:59

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10390.D
Acq On : 16 May 2007 9:46 am
Operator : PhilipB
Sample : M64809-9
Misc : MS13551, MSJ537,,,,,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: May 16 11:17:16 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 10 11:09:51 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.63	128	333087	10.00	PPBV	0.01
35) 1,4-DIFLUOROBENZENE	10.44	114	1346557	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.67	117	1198914	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.29	95	346081	4.92	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 98.40%

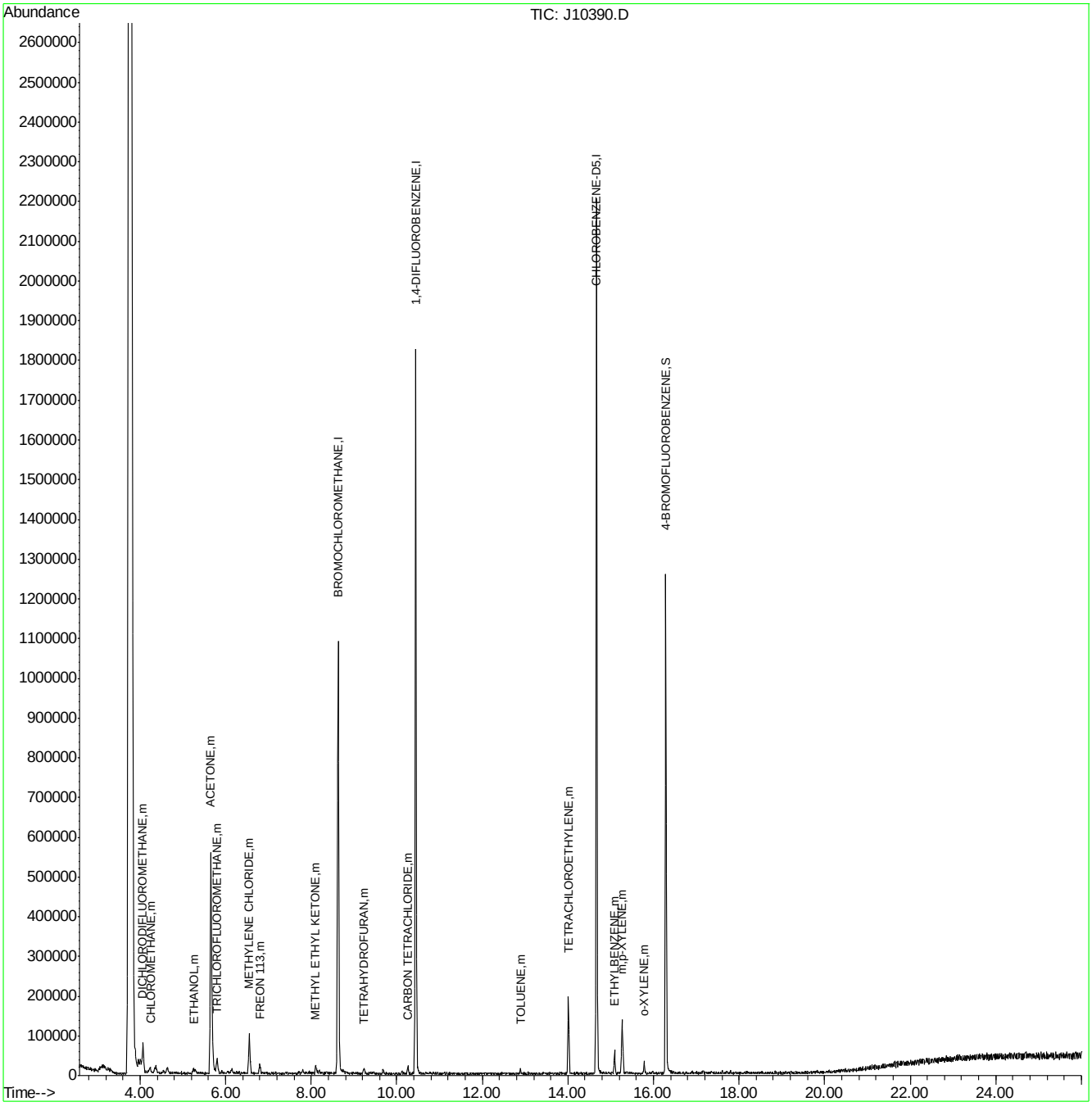
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.06	85	72170	0.62	PPBV #	53
5) CHLOROMETHANE	4.24	50	14624	0.67	PPBV	67
10) TRICHLOROFLUOROMETHANE	5.80	101	35298	0.30	PPBV	93
12) ACETONE	5.65	43	871736	28.85	PPBV	99
16) ETHANOL	5.25	45	18084m	4.59	PPBV	
18) METHYLENE CHLORIDE	6.56	84	49161	0.87	PPBV	98
20) FREON 113	6.80	151	9421	0.13	PPBV	87
24) TETRAHYDROFURAN	9.23	42	6644m	0.46	PPBV	
28) METHYL ETHYL KETONE	8.10	43	23336	0.78	PPBV	92
33) CARBON TETRACHLORIDE	10.26	117	10633	0.10	PPBV	91
46) TOLUENE	12.89	92	5176	0.14	PPBV #	84
51) TETRACHLOROETHYLENE	14.01	164	42440	1.05	PPBV	98
55) ETHYLBENZENE	15.09	91	31758	0.39	PPBV	94
56) m,p-XYLENE	15.26	106	48585	2.79	PPBV	84
57) o-XYLENE	15.78	106	6516	1.08	PPBV	90

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10390.D
Acq On : 16 May 2007 9:46 am
Operator : PhilipB
Sample : M64809-9
Misc : MS13551, MSJ537,,,,,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: May 16 11:17:16 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 10 11:09:51 2007
Response via : Initial Calibration

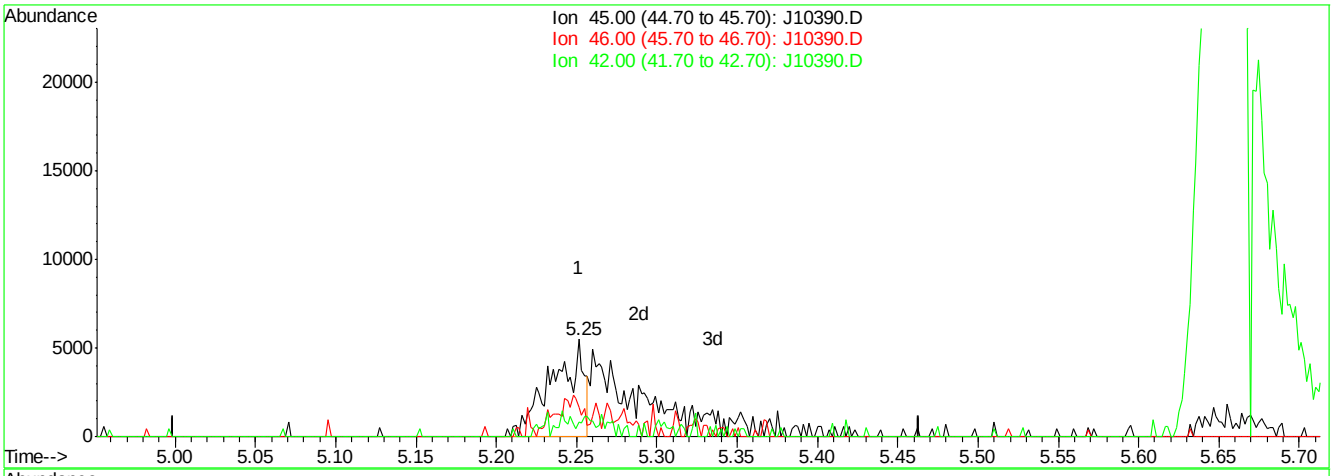


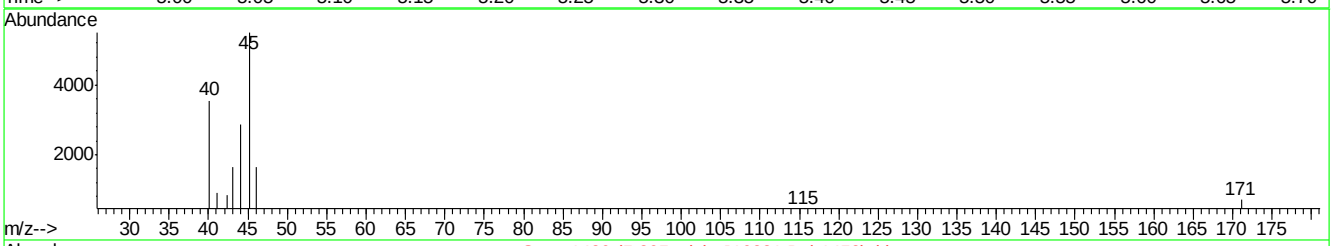
Quantitation Report (Qedit)

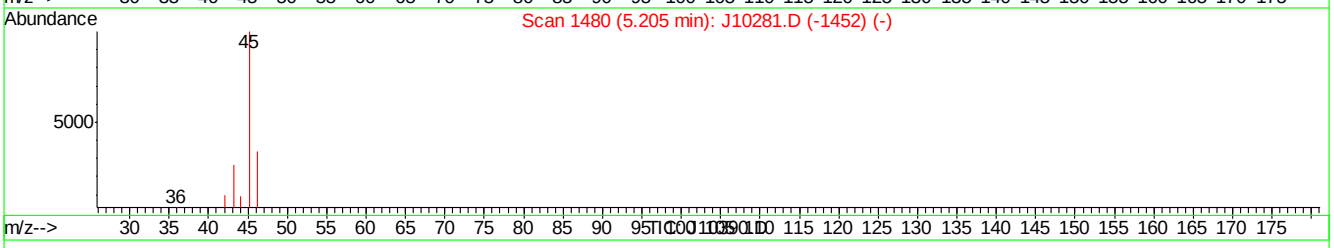
Data File : C:\MSDCHEM\1\DATA\J10390.D Vial: 16
Acq On : 16 May 2007 9:46 am Operator: PhilipB
Sample : M64809-9 Inst : MSJ
Misc : MS13551, MSJ537,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 16 10:20:12 2007 Results File: J050907T.RES

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 11:09:51 2007
Response via : Multiple Level Calibration







(16) ETHANOL (m)

5.25min 1.91PPBV

response 7523

Ion	Exp%	Act%
45.00	100	100
46.00	14.10	38.30#
42.00	2.30	7.51
0.00	0.00	0.00

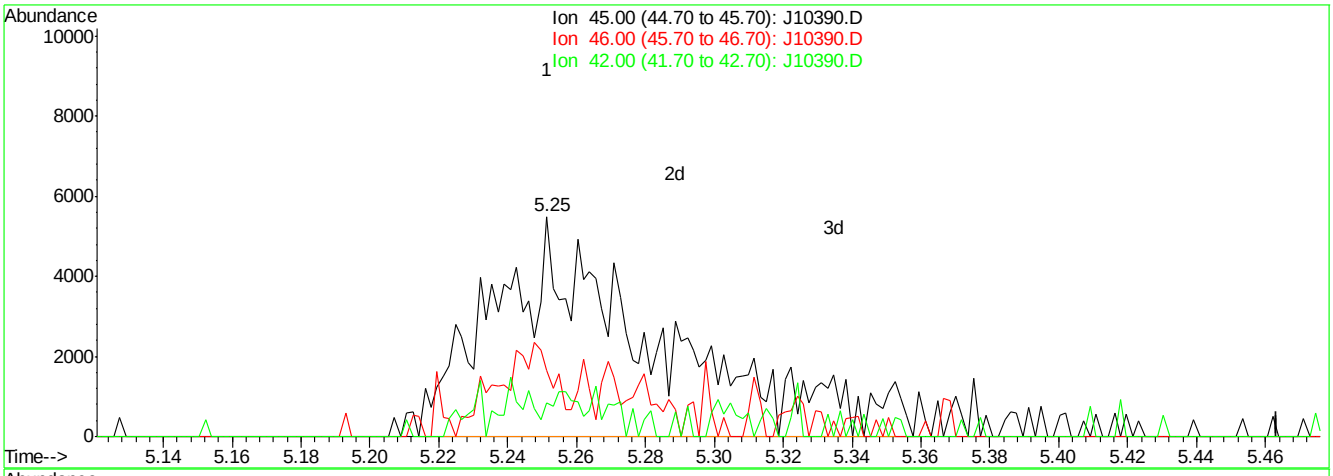
J10390.D J050907T.M Wed May 16 10:25:01 2007

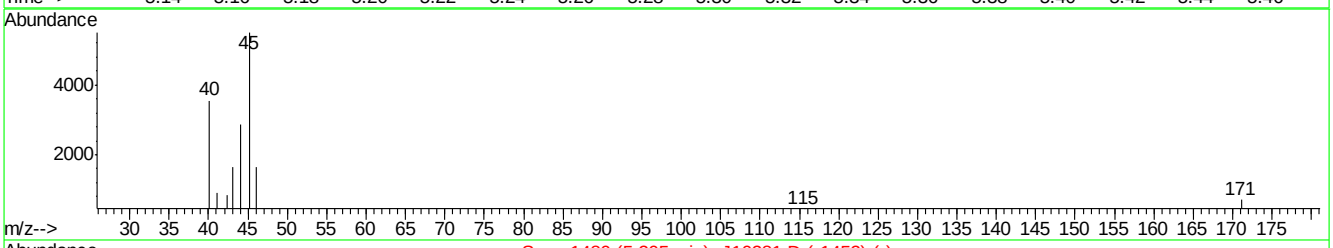
Quantitation Report (Qedit)

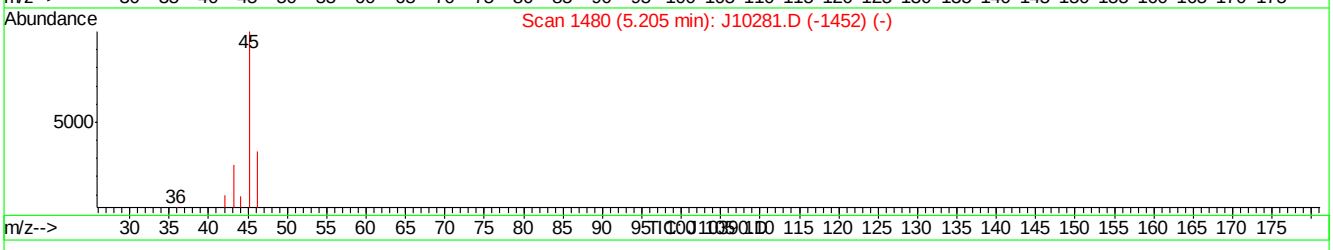
Data File : C:\MSDCHEM\1\DATA\J10390.D Vial: 16
Acq On : 16 May 2007 9:46 am Operator: PhilipB
Sample : M64809-9 Inst : MSJ
Misc : MS13551, MSJ537,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 16 10:20:12 2007 Results File: J050907T.RES

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 11:09:51 2007
Response via : Multiple Level Calibration







(16) ETHANOL (m)

5.25min 4.59PPBV m

response 18084

Ion	Exp%	Act%
45.00	100	100
46.00	14.10	15.93
42.00	2.30	3.12
0.00	0.00	0.00

J10390.D J050907T.M Wed May 16 10:25:14 2007

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J10390.D Vial: 16
Acq On : 16 May 2007 9:46 am Operator: PhilipB
Sample : M64809-9 Inst : MSJ
Misc : MS13551, MSJ537,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 16 10:20:12 2007 Results File: J050907T.RES

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 11:09:51 2007
Response via : Multiple Level Calibration

(24) TETRAHYDROFURAN (m)

9.23min 0.46PPBV

response 6644

Ion	Exp%	Act%
42.00	100	100
72.00	51.30	22.38#
71.00	52.50	23.68#
0.00	0.00	0.00

J10390.D J050907T.M Wed May 16 10:25:33 2007

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J10390.D Vial: 16
Acq On : 16 May 2007 9:46 am Operator: PhilipB
Sample : M64809-9 Inst : MSJ
Misc : MS13551, MSJ537,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 16 10:20:12 2007 Results File: J050907T.RES

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 11:09:51 2007
Response via : Multiple Level Calibration

(24) TETRAHYDROFURAN (m)

9.23min 0.46PPBV m

response 6644

Ion	Exp%	Act%
42.00	100	100
72.00	51.30	22.38#
71.00	52.50	23.68#
0.00	0.00	0.00

J10390.D J050907T.M Wed May 16 10:25:42 2007

Manual Integrations
APPROVED
(compounds with "m" flag)
Doug Yargeau
05/16/07 12:48

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10369.D
Acq On : 15 May 2007 2:08 pm
Operator : PhilipB
Sample : MB (M108)
Misc : MS13540, MSJ537,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 15 18:28:21 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 10 11:09:51 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.63	128	355966	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.44	114	1430782	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.67	117	1270140	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.29	95	360223	4.83	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 96.60%

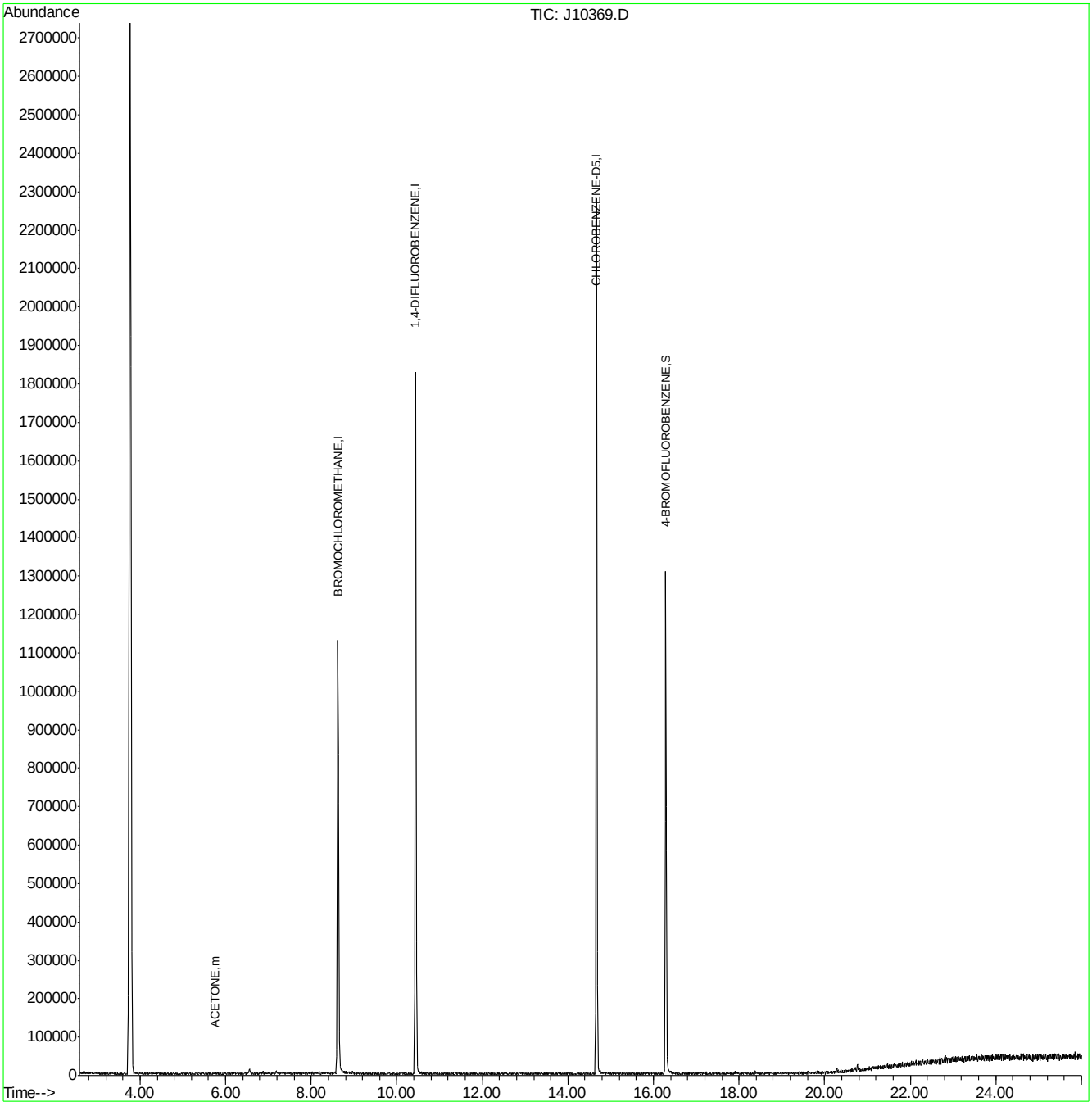
Target Compounds						Qvalue
12) ACETONE	5.76	43	4633m	0.37	PPBV	

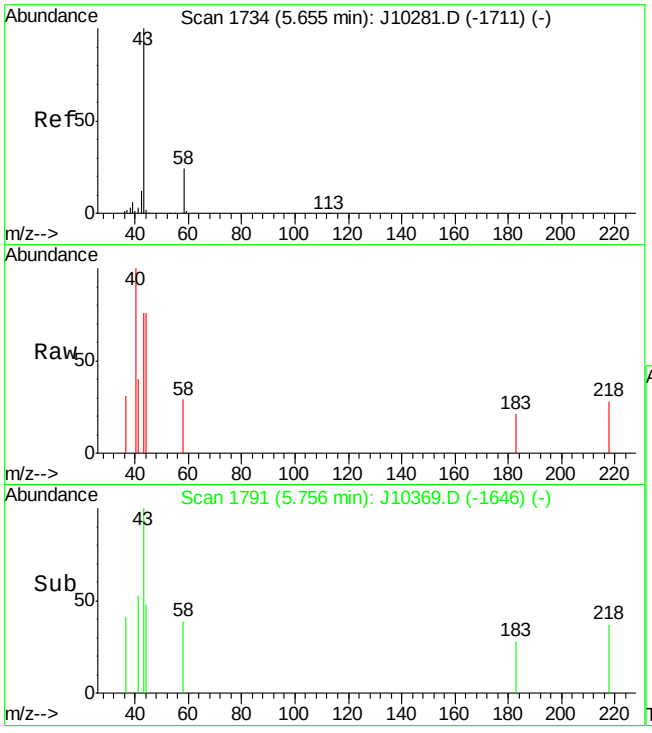
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10369.D
Acq On : 15 May 2007 2:08 pm
Operator : PhilipB
Sample : MB (M108)
Misc : MS13540, MSJ537,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 15 18:28:21 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 10 11:09:51 2007
Response via : Initial Calibration

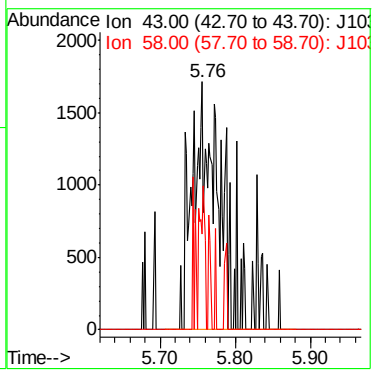




#12
ACETONE
Concen: 0.37 PPBV m
RT: 5.76 min Scan# 1791
Delta R.T. 0.10 min
Lab File: J10369.D
Acq: 15 May 2007 2:08 pm

Tgt Ion: 43 Resp: 4633

Ion	Ratio	Lower	Upper
43	100		
58	12.5	6.8	46.8

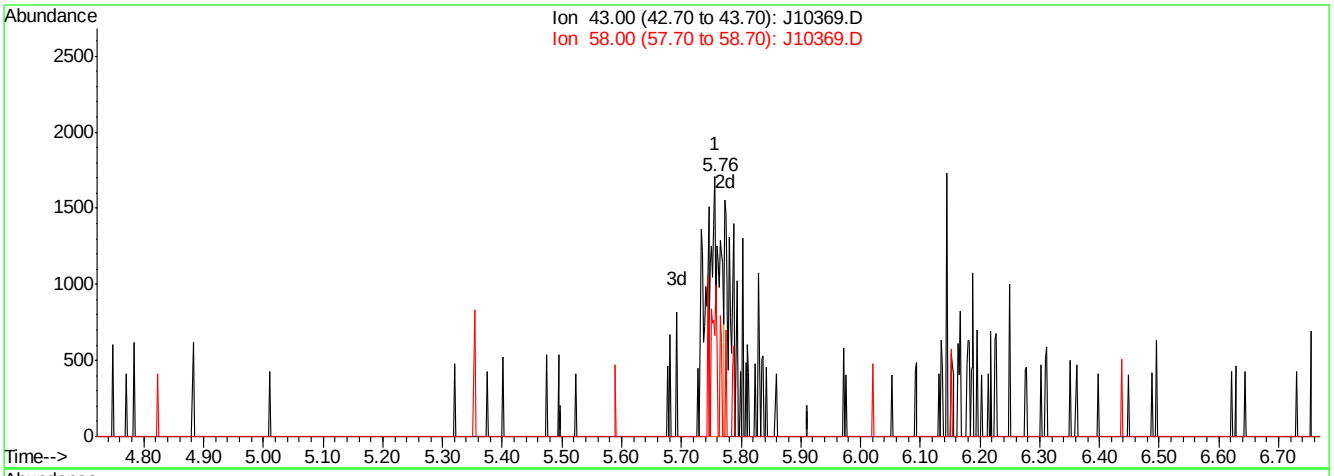


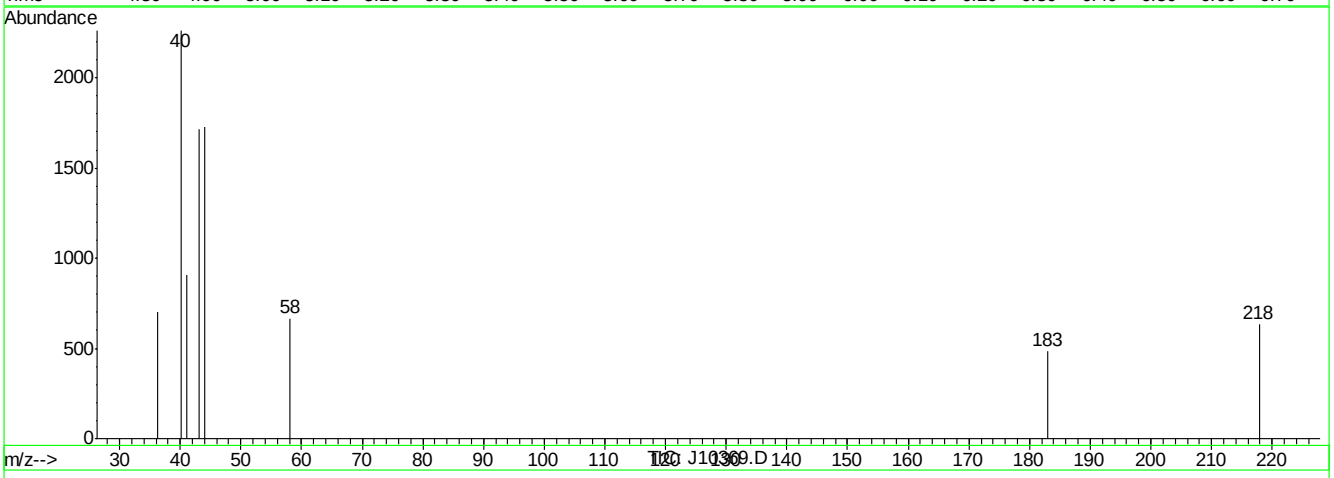
Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10369.D Vial: 2
Acq On : 15 May 2007 2:08 pm Operator: PhilipB
Sample : MB (M108) Inst : MSJ
Misc : MS13540, MSJ537,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 15 18:27:41 2007 Results File: J050907T.RES

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 11:09:51 2007
Response via : Multiple Level Calibration





(12) ACETONE (m)

5.76min 0.31PPBV

response 2620

Ion	Exp%	Act%
43.00	100	100
58.00	26.80	22.18
0.00	0.00	0.00
0.00	0.00	0.00

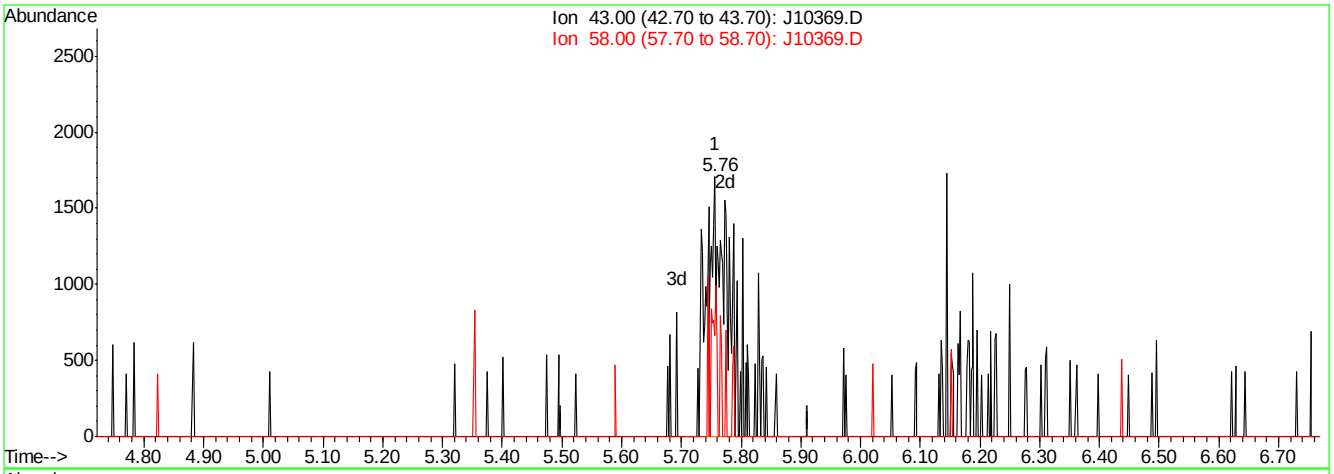
J10369.D J050907T.M Tue May 15 18:27:51 2007

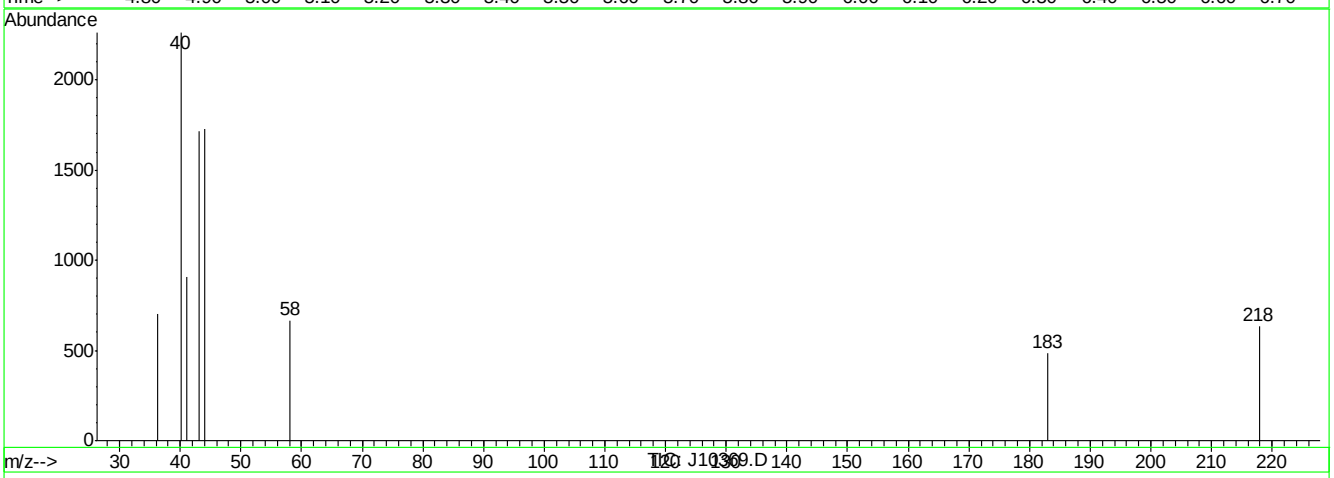
Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10369.D Vial: 2
Acq On : 15 May 2007 2:08 pm Operator: PhilipB
Sample : MB (M108) Inst : MSJ
Misc : MS13540, MSJ537,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 15 18:27:41 2007 Results File: J050907T.RES

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 11:09:51 2007
Response via : Multiple Level Calibration





(12) ACETONE (m)

5.76min 0.37PPBV m

response 4633

Ion	Exp%	Act%
43.00	100	100
58.00	26.80	12.54
0.00	0.00	0.00
0.00	0.00	0.00

J10369.D J050907T.M Tue May 15 18:27:55 2007

Manual Integrations
APPROVED
(compounds with "m" flag)
Doug Yargeau
05/15/07 15:14

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3367.D
Acq On : 8 May 2007 3:31 pm
Operator : PhilipB
Sample : MB (M112)
Misc : MS13508,MSQ183,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 09 13:47:50 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.635	128	170427	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.469	114	692126	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.721	117	540376	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.341	95	189535	4.51	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 90.20%

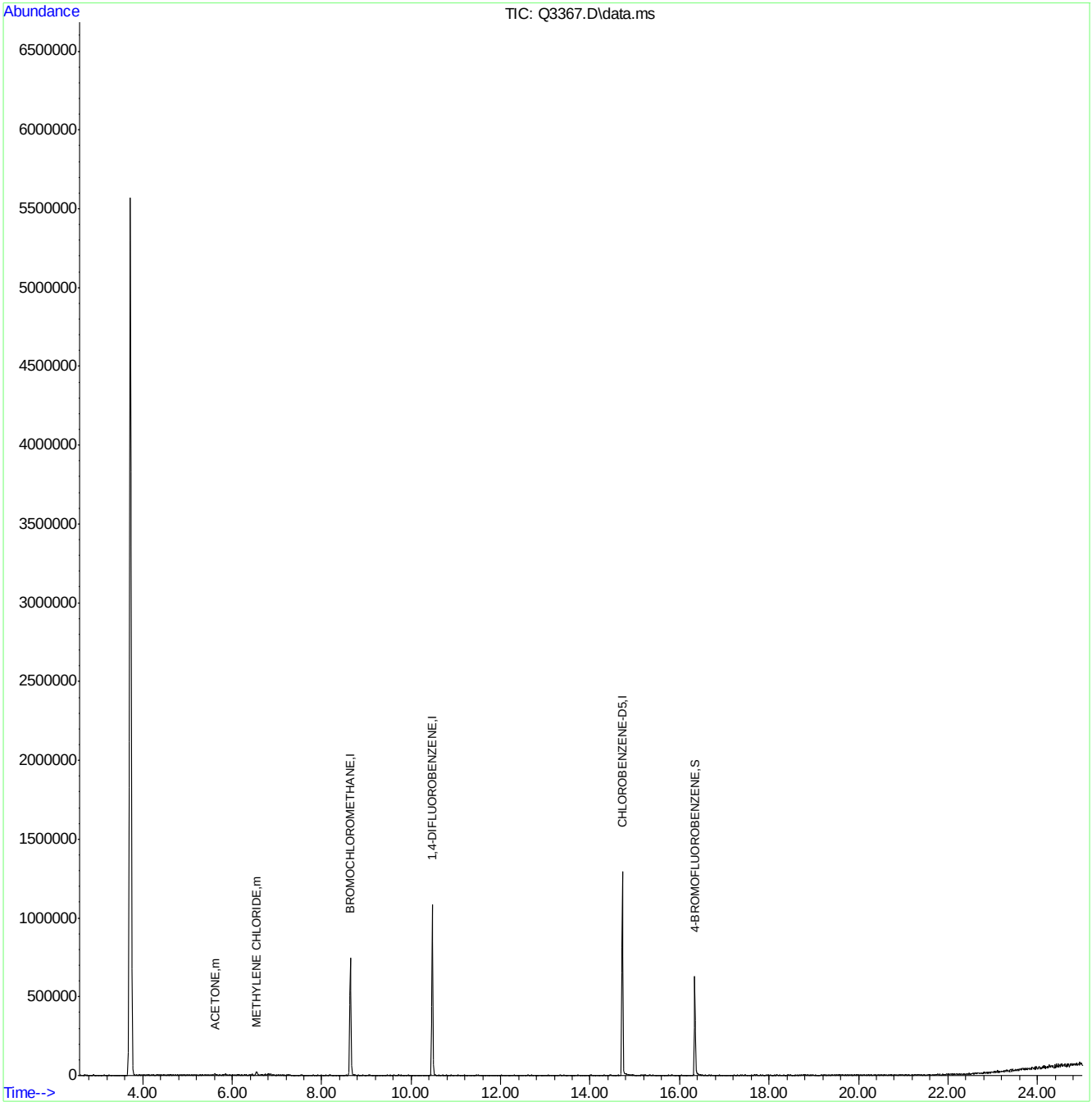
Target Compounds						Qvalue
12) ACETONE	5.606	43	8188	0.82	PPBV	64
18) METHYLENE CHLORIDE	6.552	84	8588m	0.33	PPBV	

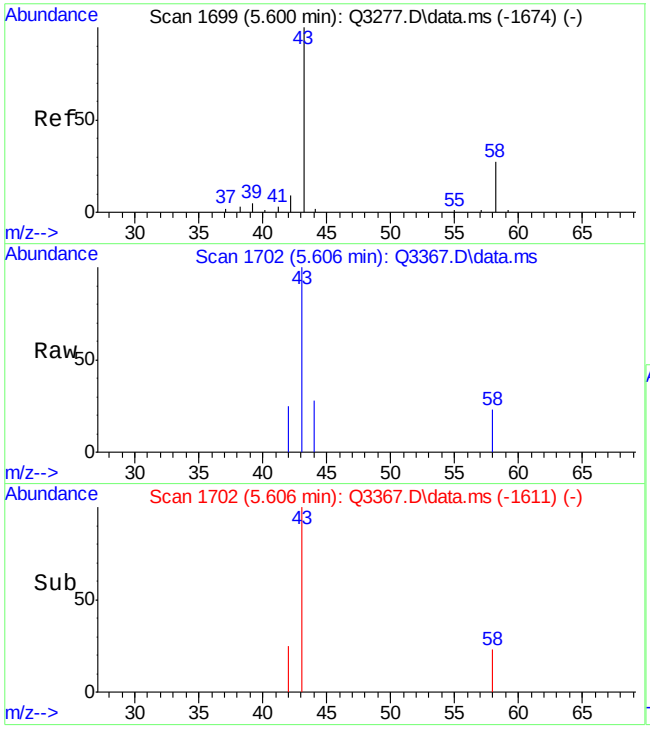
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3367.D
Acq On : 8 May 2007 3:31 pm
Operator : PhilipB
Sample : MB (M112)
Misc : MS13508,MSQ183,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 09 13:47:50 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration

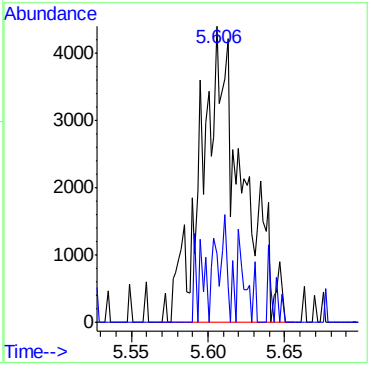


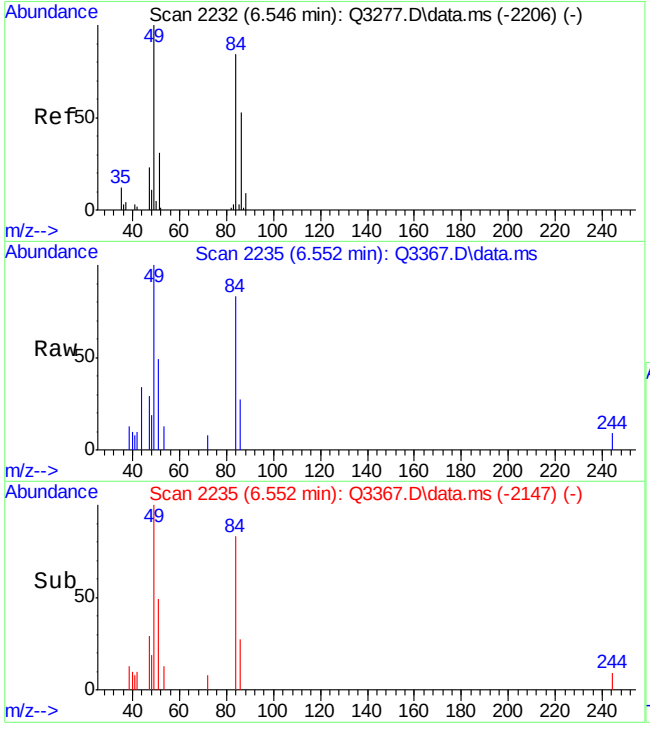


#12
ACETONE
Concen: 0.82 PPBV
RT: 5.606 min Scan# 1702
Delta R.T. 0.006 min
Lab File: Q3367.D
Acq: 8 May 2007 3:31 pm

Tgt Ion: 43 Resp: 8188

Ion	Ratio	Lower	Upper
43	100		
58	7.2	5.4	45.4

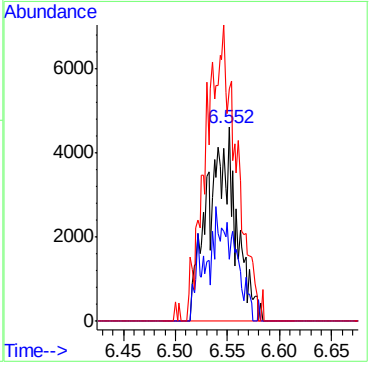




#18
METHYLENE CHLORIDE
Concen: 0.33 PPBV m
RT: 6.552 min Scan# 2235
Delta R.T. 0.006 min
Lab File: Q3367.D
Acq: 8 May 2007 3:31 pm

Tgt Ion: 84 Resp: 8588

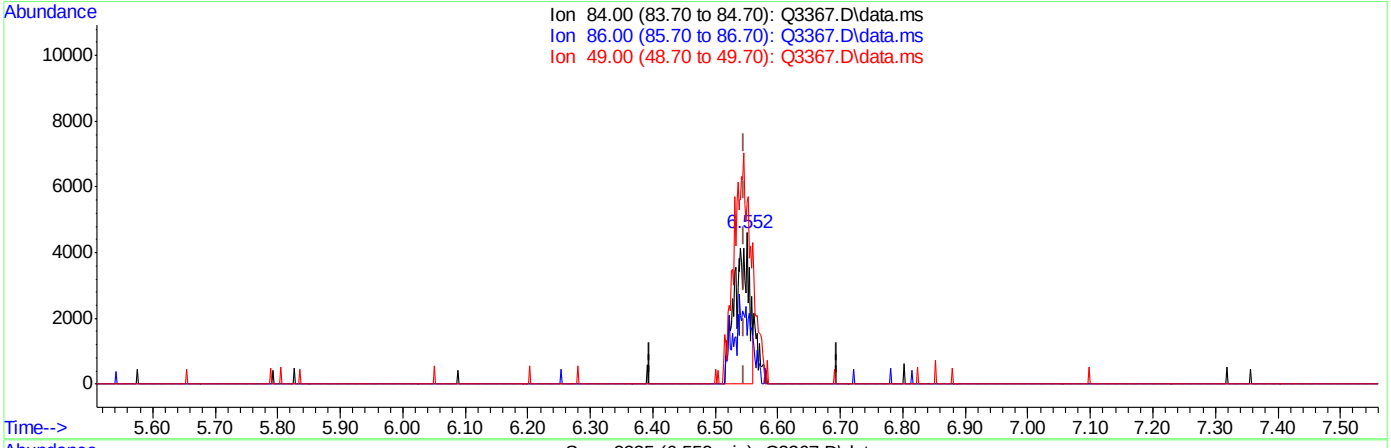
Ion	Ratio	Lower	Upper
84	100		
86	9.2	45.0	85.0#
49	166.2	0.0	318.8

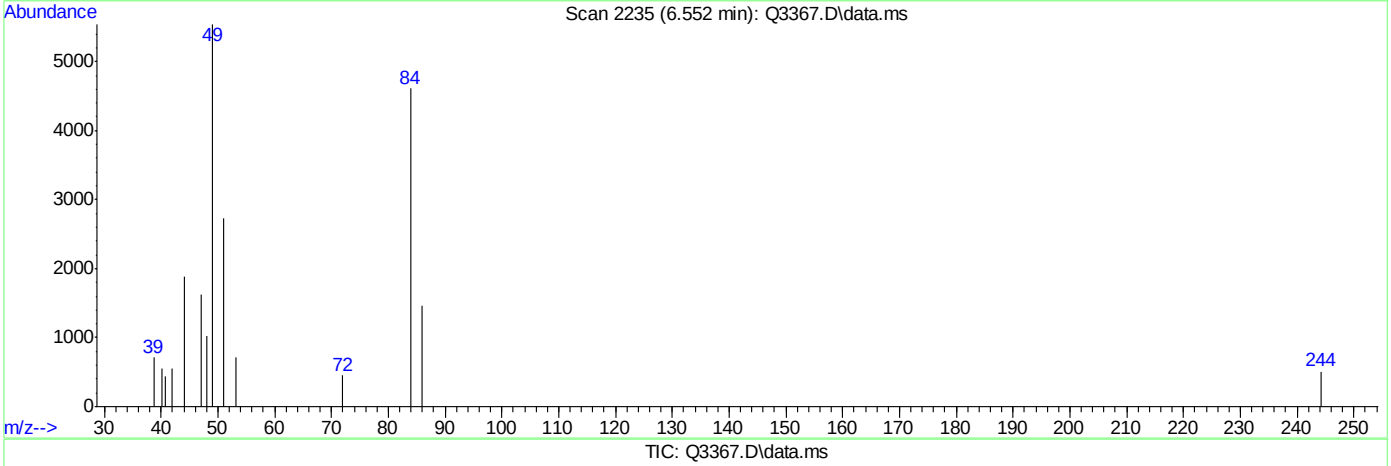


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3367.D
Acq On : 8 May 2007 3:31 pm
Operator : PhilipB
Sample : MB (M112)
Misc : MS13508,MSQ183,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 09 13:47:18 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration





TIC: Q3367.D\data.ms

(18) METHYLENE CHLORIDE (m)

6.552min (+0.006) 0.29PPBV

response 7397

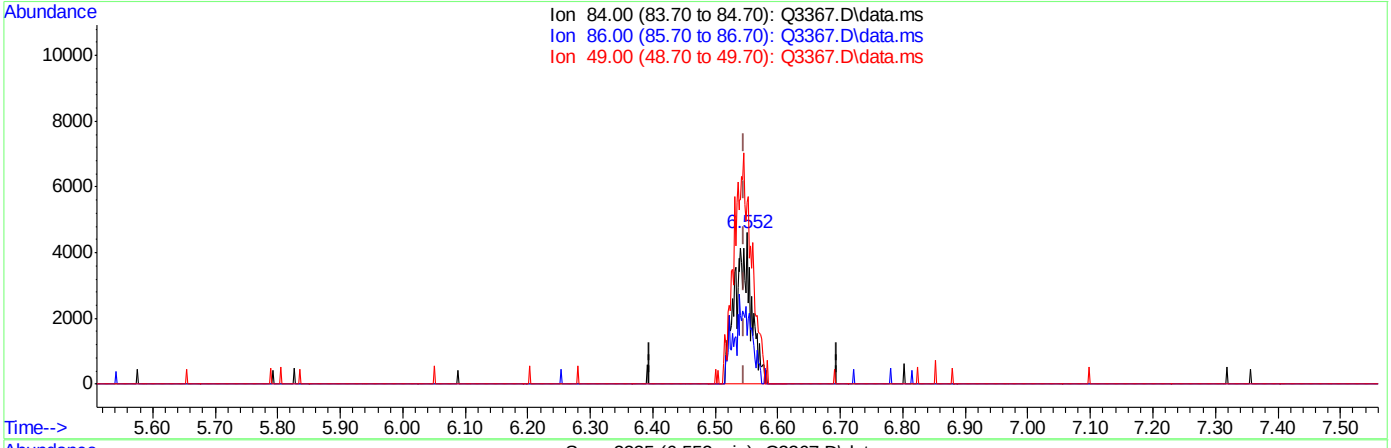
Ion	Exp%	Act%
84.00	100	100
86.00	65.00	10.73#
49.00	118.80	193.00
0.00	0.00	0.00

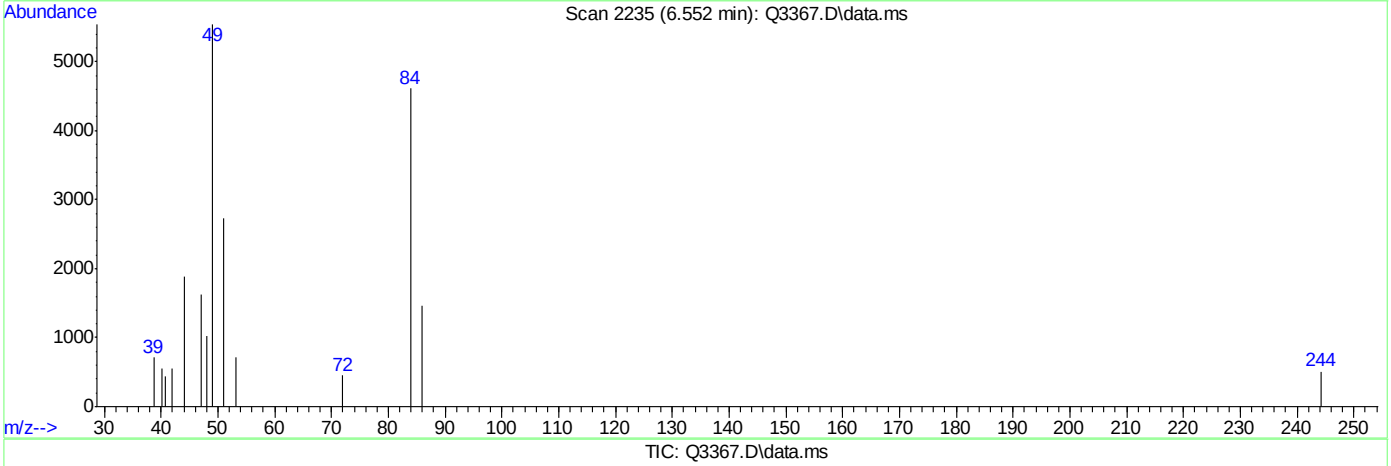
ACCUTEST Laboratories M64809

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3367.D
Acq On : 8 May 2007 3:31 pm
Operator : PhilipB
Sample : MB (M112)
Misc : MS13508,MSQ183,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 09 13:47:18 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration





TIC: Q3367.D\data.ms

(18) METHYLENE CHLORIDE (m)

6.552min (+0.006) 0.33PPBV m

response 8588

Ion	Exp%	Act%
84.00	100	100
86.00	65.00	9.25#
49.00	118.80	166.23
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3375.D
Acq On : 9 May 2007 6:03 pm
Operator : PhilipB
Sample : MB (M138)
Misc : MS135358,MSQ184,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 11 09:45:00 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.641	128	176384	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.474	114	717910	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.721	117	580312	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.345	95	183822	4.08	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 81.60%

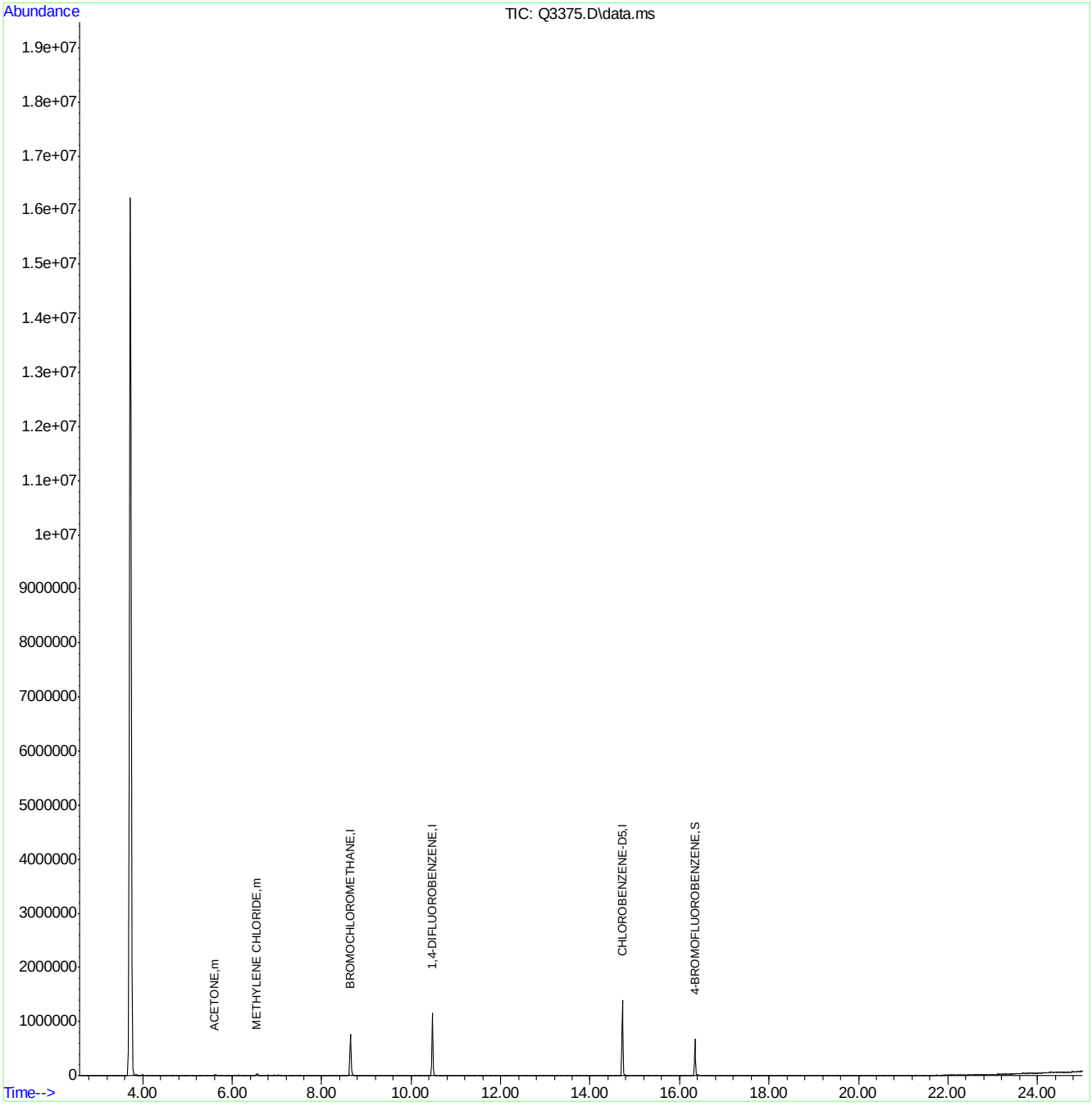
Target Compounds						Qvalue
12) ACETONE	5.607	43	12768	0.96	PPBV	70
18) METHYLENE CHLORIDE	6.545	84	11341	0.43	PPBV #	55

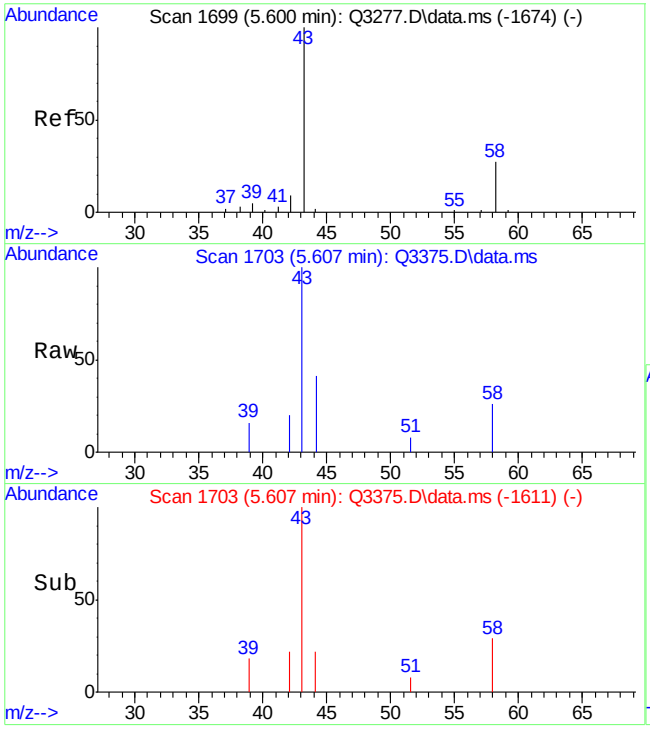
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3375.D
Acq On : 9 May 2007 6:03 pm
Operator : PhilipB
Sample : MB (M138)
Misc : MS135358,MSQ184,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 11 09:45:00 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration

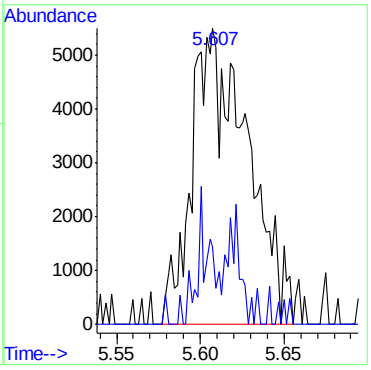


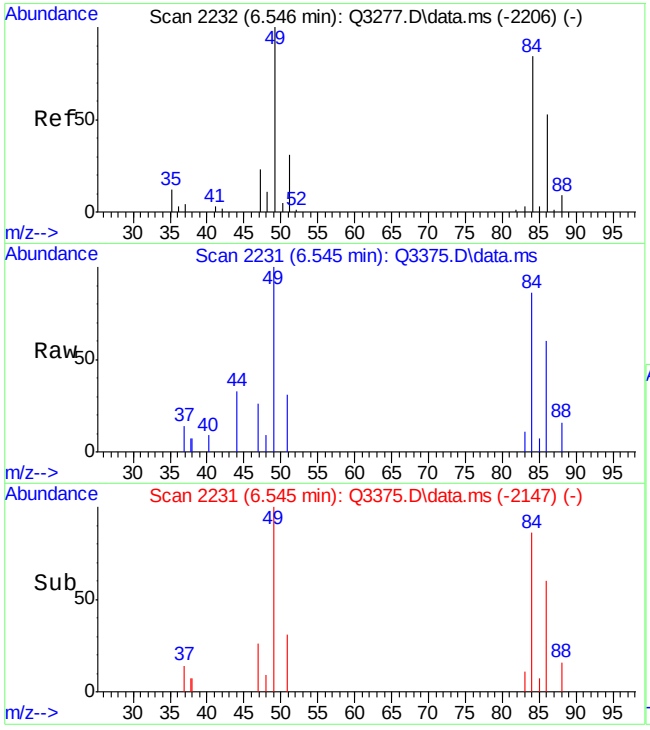


#12
ACETONE
Concen: 0.96 PPBV
RT: 5.607 min Scan# 1703
Delta R.T. 0.007 min
Lab File: Q3375.D
Acq: 9 May 2007 6:03 pm

Tgt Ion: 43 Resp: 12768

Ion	Ratio	Lower	Upper
43	100		
58	10.3	5.4	45.4

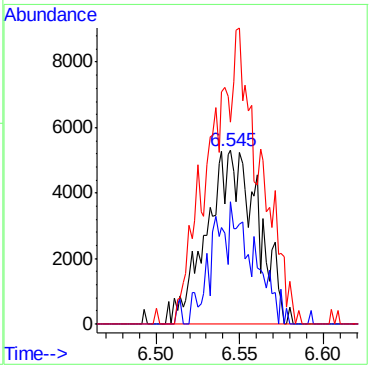




#18
METHYLENE CHLORIDE
Concen: 0.43 PPBV
RT: 6.545 min Scan# 2231
Delta R.T. -0.001 min
Lab File: Q3375.D
Acq: 9 May 2007 6:03 pm

Tgt Ion: 84 Resp: 11341

Ion	Ratio	Lower	Upper
84	100		
86	23.2	45.0	85.0#
49	164.4	0.0	318.8



Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10288.D
Acq On : 10 May 2007 12:14 pm
Operator : danat
Sample : MB (M009)
Misc : MS13434, MSJ533,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 10 14:41:18 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 10 11:09:51 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	381318	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.44	114	1690348	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.67	117	1515608	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.29	95	423304	4.76	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 95.20%

Target Compounds	Qvalue

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

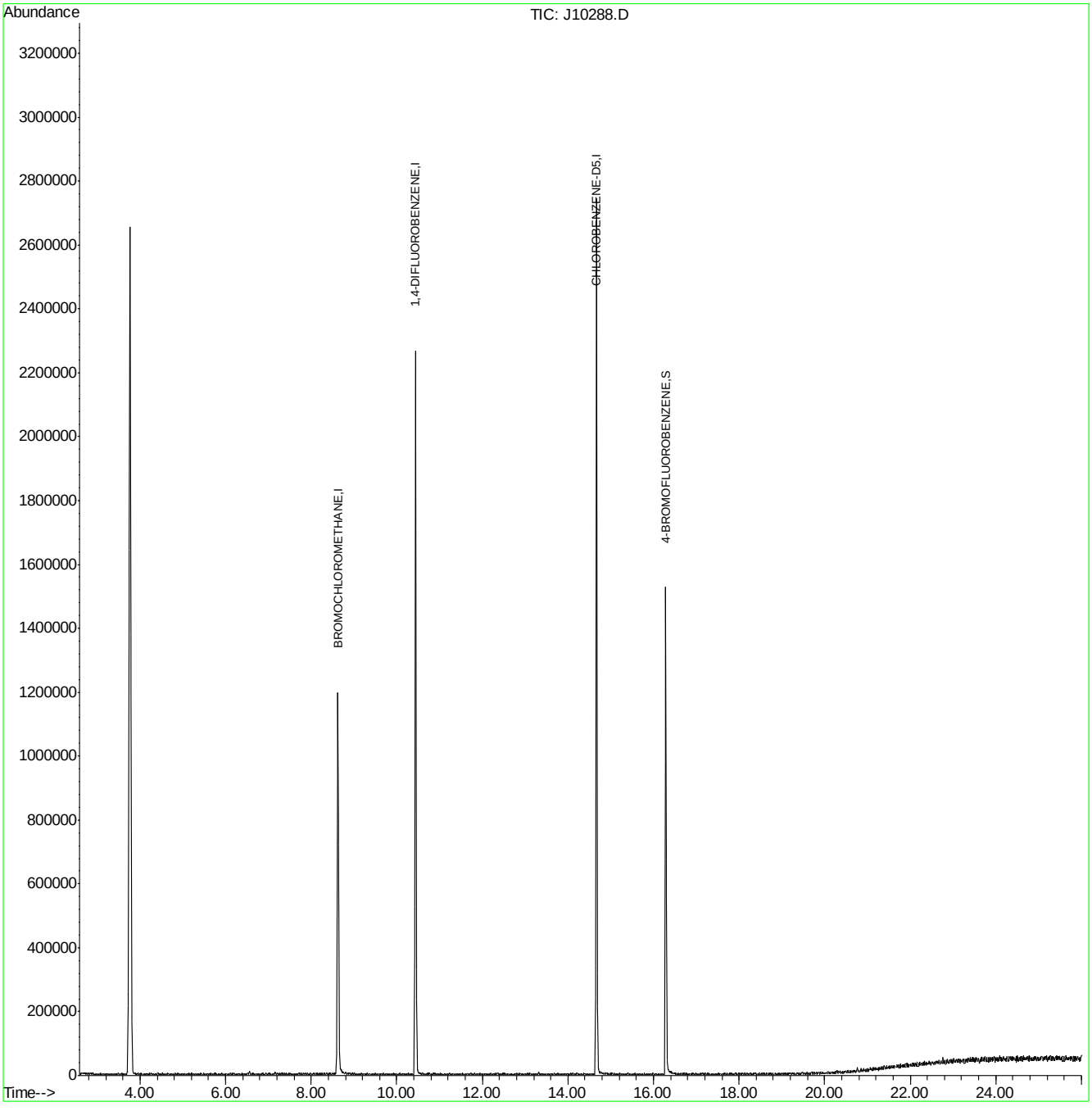
6.2.4

6

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10288.D
Acq On : 10 May 2007 12:14 pm
Operator : danat
Sample : MB (M009)
Misc : MS13434, MSJ533,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 10 14:41:18 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 10 11:09:51 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10368.D
Acq On : 15 May 2007 12:49 pm
Operator : PhilipB
Sample : BS (M054)
Misc : MS13540, MSJ537,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 15 18:27:26 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 10 11:09:51 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.63	128	353576	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.45	114	1506835	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.68	117	1359747	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.30	95	433040	5.43	PPBV	0.00
Spiked Amount 5.000	Range 51 - 142		Recovery = 108.60%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.07	85	1199151	9.65	PPBV	99
3) PROPYLENE	4.00	41	164458	11.58	PPBV	95
4) FREON 114	4.32	85	981596	9.37	PPBV	100
5) CHLOROMETHANE	4.24	50	222238	9.63	PPBV	100
6) VINYL CHLORIDE	4.45	62	278490	9.62	PPBV	99
7) 1,3-BUTADIENE	4.59	39	189371	10.84	PPBV	99
8) BROMOMETHANE	4.86	94	341763	9.75	PPBV	98
9) CHLOROETHANE	5.03	64	136679	11.59	PPBV	99
10) TRICHLOROFLUOROMETHANE	5.80	101	1198219	9.47	PPBV	100
11) ISOPROPYL ALCOHOL	5.96	45	297683	11.16	PPBV	96
12) ACETONE	5.67	43	290608	9.22	PPBV	100
13) PENTANE	6.14	42	231051	10.86	PPBV	98
14) 1,1-DICHLOROETHYLENE	6.43	96	321376	10.15	PPBV	99
15) CARBON DISULFIDE	6.85	76	884456	9.23	PPBV	100
16) ETHANOL	5.22	45	41613	9.96	PPBV	67
17) BROMOETHENE	5.39	106	339839	10.65	PPBV	100
18) METHYLENE CHLORIDE	6.55	84	283031	9.11	PPBV	99
19) 3-CHLOROPROPENE	6.66	39	210017	10.26	PPBV	99
20) FREON 113	6.79	151	704180	9.09	PPBV	99
21) TRANS-1,2-DICHLOROETHYLENE	7.46	96	303736	9.87	PPBV	98
22) TERTIARY BUTYL ALCOHOL	6.56	59	393193	10.77	PPBV	100
23) METHYL TERTIARY BUTYL ETHE	7.74	73	573079	10.23	PPBV	98
24) TETRAHYDROFURAN	9.19	42	170543	11.09	PPBV	95
25) HEXANE	8.64	57	300494	8.79	PPBV	100
26) VINYL ACETATE	7.81	43	295837	8.65	PPBV	99
27) 1,1-DICHLOROETHANE	7.66	63	483070	9.69	PPBV	99
28) METHYL ETHYL KETONE	8.08	43	316191	9.97	PPBV	98
29) cis-1,2-DICHLOROETHYLENE	8.47	96	277466	9.70	PPBV	99
30) ETHYL ACETATE	8.70	43	340996	9.59	PPBV	99
31) CHLOROFORM	8.75	83	697384	9.51	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.69	97	842236	9.89	PPBV	99
33) CARBON TETRACHLORIDE	10.26	117	1126903	10.07	PPBV	100
34) 1,2-DICHLOROETHANE	9.46	62	384137	9.50	PPBV	100
36) BENZENE	10.13	78	679478	10.57	PPBV	99
37) CYCLOHEXANE	10.37	84	357971	11.98	PPBV	98
38) TRICHLOROETHYLENE	11.12	95	393751	10.79	PPBV	97
39) 1,2-DICHLOROPROPANE	10.91	63	223900	10.34	PPBV	99
40) BROMODICHLOROMETHANE	11.09	83	670568	9.67	PPBV	98
41) 2,2,4-TRIMETHYLPENTANE	11.12	57	1139974	12.26	PPBV	98
42) 1,4-DIOXANE	11.19	88	111018	8.81	PPBV	96
43) HEPTANE	11.36	43	330881	12.09	PPBV	98

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10368.D
Acq On : 15 May 2007 12:49 pm
Operator : PhilipB
Sample : BS (M054)
Misc : MS13540, MSJ537,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 15 18:27:26 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 10 11:09:51 2007
Response via : Initial Calibration

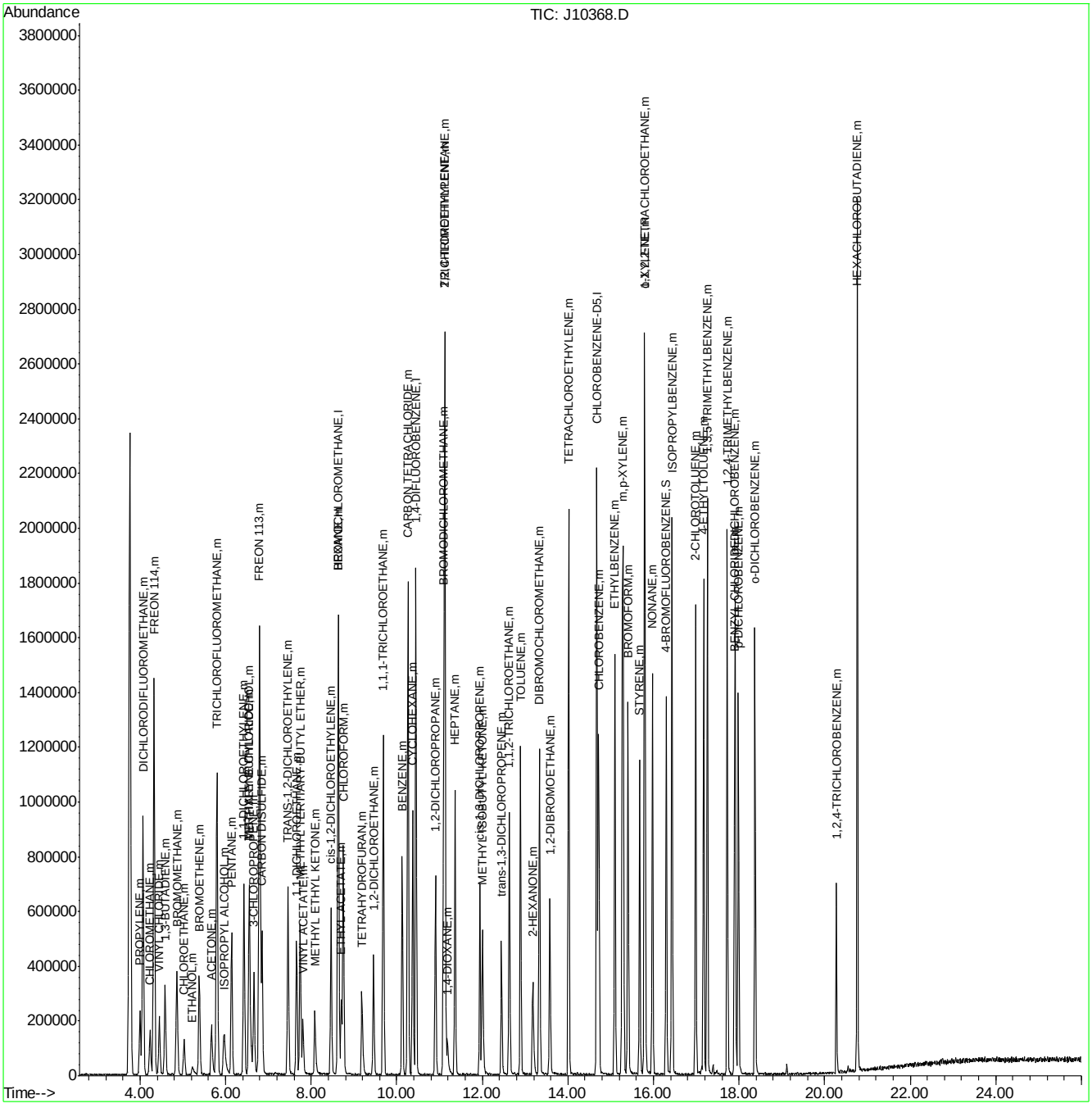
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.00	43	382866	11.28	PPBV	100
45) cis-1,3-DICHLOROPROPENE	11.94	75	348436	11.68	PPBV	99
46) TOLUENE	12.89	92	498828	11.84	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.45	75	258363	7.54	PPBV	98
48) 1,1,2-TRICHLOROETHANE	12.63	83	253855	10.31	PPBV	98
50) 2-HEXANONE	13.17	43	274387	8.32	PPBV	99
51) TETRACHLOROETHYLENE	14.02	164	462837	10.08	PPBV	99
52) DIBROMOCHLOROMETHANE	13.33	129	703139	9.51	PPBV	99
53) 1,2-DIBROMOETHANE	13.58	107	452005	9.92	PPBV	98
54) CHLOROBENZENE	14.72	112	727055	10.06	PPBV	99
55) ETHYLBENZENE	15.10	91	1119375	12.10	PPBV	100
56) m,p-XYLENE	15.29	106	943299	19.46	PPBV	94
57) o-XYLENE	15.79	106	476310	9.71	PPBV	98
58) STYRENE	15.67	104	556308	8.67	PPBV	100
59) NONANE	15.97	43	468461	11.96	PPBV	99
60) BROMOFORM	15.41	173	718275	9.56	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.80	83	677978	10.63	PPBV	100
63) ISOPROPYLBENZENE	16.43	105	1416432	11.77	PPBV	99
64) 2-CHLOROTOLUENE	16.98	91	903715	11.40	PPBV	99
65) 4-ETHYLTOLUENE	17.17	105	1100513	8.96	PPBV	100
66) 1,3,5-TRIMETHYLBENZENE	17.26	105	1119514	11.83	PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.72	105	1005569	9.65	PPBV	99
68) m-DICHLOROBENZENE	17.91	146	663925	9.82	PPBV	99
69) BENZYL CHLORIDE	17.89	91	437539	8.45	PPBV	99
70) p-DICHLOROBENZENE	17.98	146	566685	9.17	PPBV	98
71) o-DICHLOROBENZENE	18.37	146	635692	10.55	PPBV	99
72) HEXACHLOROBUTADIENE	20.76	225	550328	14.82	PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.27	180	181656	9.27	PPBV	96

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10368.D
Acq On : 15 May 2007 12:49 pm
Operator : PhilipB
Sample : BS (M054)
Misc : MS13540, MSJ537,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 15 18:27:26 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 10 11:09:51 2007
Response via : Initial Calibration



ACCUTEST Laboratories M64809

Manual Integrations
APPROVED
(compounds with "m" flag)
Doug Yargeau
05/15/07 15:14

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3366A.D
Acq On : 8 May 2007 12:16 pm
Operator : PhilipB
Sample : BS (M148)
Misc : MS13508,MSQ183,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 09 13:47:03 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.637	128	162426	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.470	114	735210	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.721	117	618997	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.341	95	265649	5.52	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 110.40%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.033	85	715492	10.69	PPBV	97
3) PROPYLENE	3.967	41	153961	12.17	PPBV	89
4) FREON 114	4.292	85	608722	10.70	PPBV	98
5) CHLOROMETHANE	4.198	50	172504	12.05	PPBV	99
6) VINYL CHLORIDE	4.418	62	159029	9.66	PPBV	99
7) 1,3-BUTADIENE	4.551	39	171727	10.96	PPBV #	72
8) BROMOMETHANE	4.834	94	184199	11.37	PPBV	97
9) CHLOROETHANE	5.008	64	63554	10.95	PPBV	85
10) TRICHLOROFLUOROMETHANE	5.787	101	780067	10.31	PPBV	98
11) ISOPROPYL ALCOHOL	5.827	45	223107	8.19	PPBV	85
12) ACETONE	5.597	43	244356	8.72	PPBV	87
13) PENTANE	6.145	42	198190	12.31	PPBV	95
14) 1,1-DICHLOROETHYLENE	6.429	96	161132	12.19	PPBV #	69
15) CARBON DISULFIDE	6.860	76	507062	11.88	PPBV	82
16) ETHANOL	5.086	45	42056m	9.26	PPBV	
17) BROMOETHENE	5.370	106	167848	9.48	PPBV #	93
18) METHYLENE CHLORIDE	6.544	84	318598	13.02	PPBV	64
19) 3-CHLOROPROPENE	6.663	39	182558	10.44	PPBV #	83
20) FREON 113	6.804	151	401659	12.52	PPBV	91
21) TRANS-1,2-DICHLOROETHY...	7.471	96	165308	11.57	PPBV #	81
22) TERTIARY BUTYL ALCOHOL	6.433	59	264614	8.64	PPBV	76
23) METHYL TERTIARY BUTYL ...	7.710	73	270106	9.03	PPBV	78
24) TETRAHYDROFURAN	9.148	42	102178	8.65	PPBV	87
25) HEXANE	8.671	57	249682	10.70	PPBV #	84
26) VINYL ACETATE	7.792	43	274394	9.56	PPBV	89
27) 1,1-DICHLOROETHANE	7.670	63	290576	10.64	PPBV	100
28) METHYL ETHYL KETONE	8.037	43	217696	8.27	PPBV	93
29) cis-1,2-DICHLOROETHYLENE	8.479	96	114039	8.73	PPBV	98
30) ETHYL ACETATE	8.671	43	461185	9.74	PPBV	99
31) CHLOROFORM	8.758	83	354349	9.17	PPBV	97
32) 1,1,1-TRICHLOROETHANE	9.718	97	360947	8.88	PPBV	98
33) CARBON TETRACHLORIDE	10.300	117	483271	9.86	PPBV	96
34) 1,2-DICHLOROETHANE	9.467	62	195916	8.43	PPBV	99
36) BENZENE	10.160	78	287735	8.38	PPBV	99
37) CYCLOHEXANE	10.419	84	150322	11.01	PPBV	98
38) TRICHLOROETHYLENE	11.157	95	198185	9.72	PPBV	95
39) 1,2-DICHLOROPROPANE	10.933	63	107373	8.75	PPBV	97
40) BROMODICHLOROMETHANE	11.118	83	307445	9.07	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.180	57	567180	10.03	PPBV	95
42) 1,4-DIOXANE	11.145	88	56135	8.98	PPBV	86
43) HEPTANE	11.420	43	213536	9.92	PPBV	90

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3366A.D
Acq On : 8 May 2007 12:16 pm
Operator : PhilipB
Sample : BS (M148)
Misc : MS13508,MSQ183,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 09 13:47:03 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration

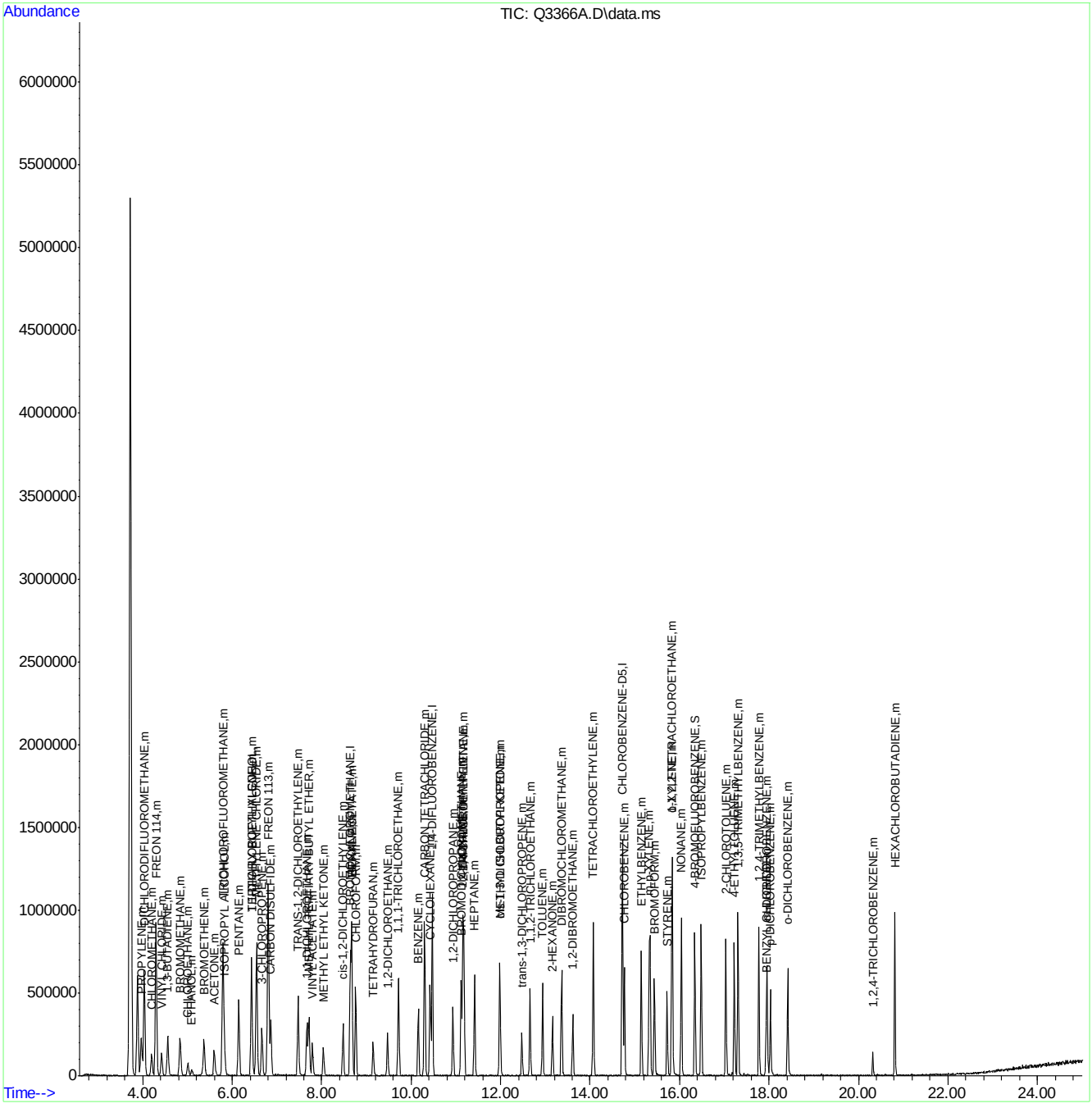
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.988	43	283906	9.93	PPBV	90
45) cis-1,3-DICHLOROPROPENE	11.975	75	155506	8.33	PPBV #	75
46) TOLUENE	12.934	92	188059	8.80	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.477	75	103250	8.86	PPBV	85
48) 1,1,2-TRICHLOROETHANE	12.657	83	119360	9.35	PPBV	99
50) 2-HEXANONE	13.159	43	210852	9.41	PPBV	88
51) TETRACHLOROETHYLENE	14.071	164	137392	8.40	PPBV #	82
52) DIBROMOCHLOROMETHANE	13.365	129	292533	9.02	PPBV	99
53) 1,2-DIBROMOETHANE	13.612	107	202264	8.64	PPBV	95
54) CHLOROBENZENE	14.763	112	281295	8.76	PPBV	99
55) ETHYLBENZENE	15.143	91	436424	8.90	PPBV	96
56) m,p-XYLENE	15.321	106	370387m	19.61	PPBV	
57) o-XYLENE	15.839	106	190289	10.12	PPBV	95
58) STYRENE	15.720	104	191431	10.01	PPBV	99
59) NONANE	16.041	43	337526	11.09	PPBV	92
60) BROMOFORM	15.436	173	235176	10.46	PPBV	97
62) 1,1,2,2-TETRACHLOROETHANE	15.826	83	345753	9.77	PPBV	98
63) ISOPROPYLBENZENE	16.485	105	516326	10.07	PPBV	98
64) 2-CHLOROTOLUENE	17.033	91	377487	9.84	PPBV	97
65) 4-ETHYLTOLUENE	17.223	105	417222	10.85	PPBV	97
66) 1,3,5-TRIMETHYLBENZENE	17.307	105	445826	10.23	PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.772	105	388340	10.23	PPBV	99
68) m-DICHLOROBENZENE	17.953	146	200175	8.69	PPBV	95
69) BENZYL CHLORIDE	17.931	91	169254	9.23	PPBV	98
70) p-DICHLOROBENZENE	18.029	146	161708	8.07	PPBV	92
71) o-DICHLOROBENZENE	18.418	146	191175	7.48	PPBV	97
72) HEXACHLOROBUTADIENE	20.810	225	93954	14.28	PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.320	180	26273	10.10	PPBV	96

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3366A.D
Acq On : 8 May 2007 12:16 pm
Operator : PhilipB
Sample : BS (M148)
Misc : MS13508,MSQ183,,,,,1
ALS Vial : 3 Sample Multiplier: 1

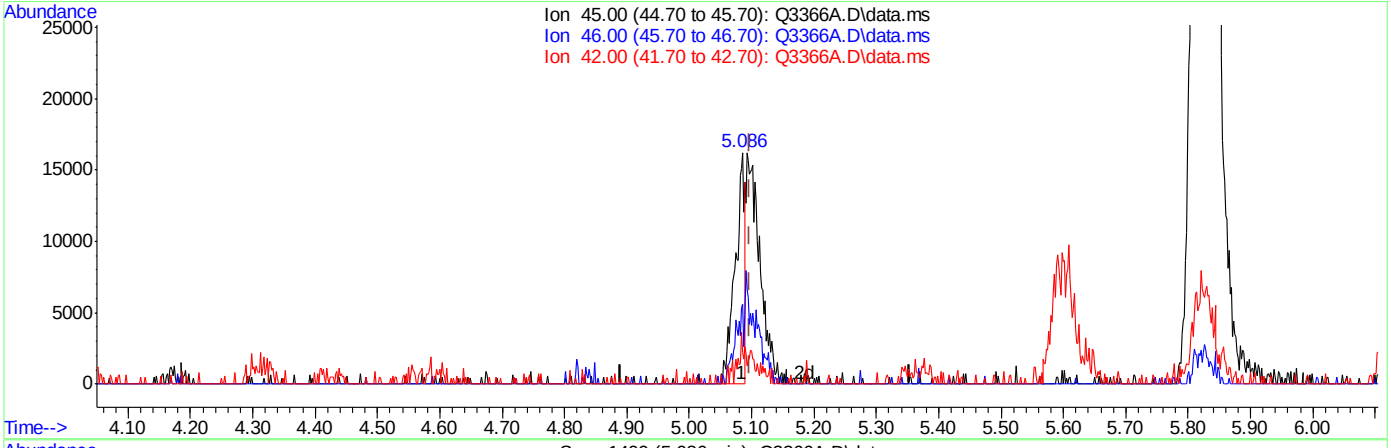
Quant Time: May 09 13:47:03 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration

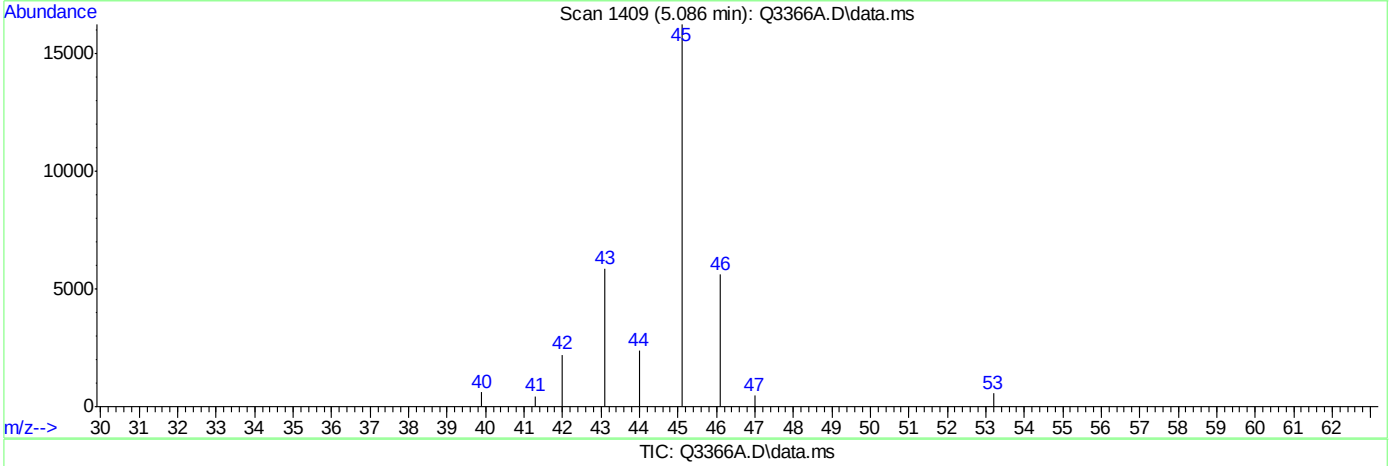


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3366A.D
Acq On : 8 May 2007 12:16 pm
Operator : PhilipB
Sample : BS (M148)
Misc : MS13508,MSQ183,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 09 13:46:43 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration





TIC: Q3366A.D\data.ms

(16) ETHANOL (m)

5.086min (-0.011) 3.85PPBV

response 16677

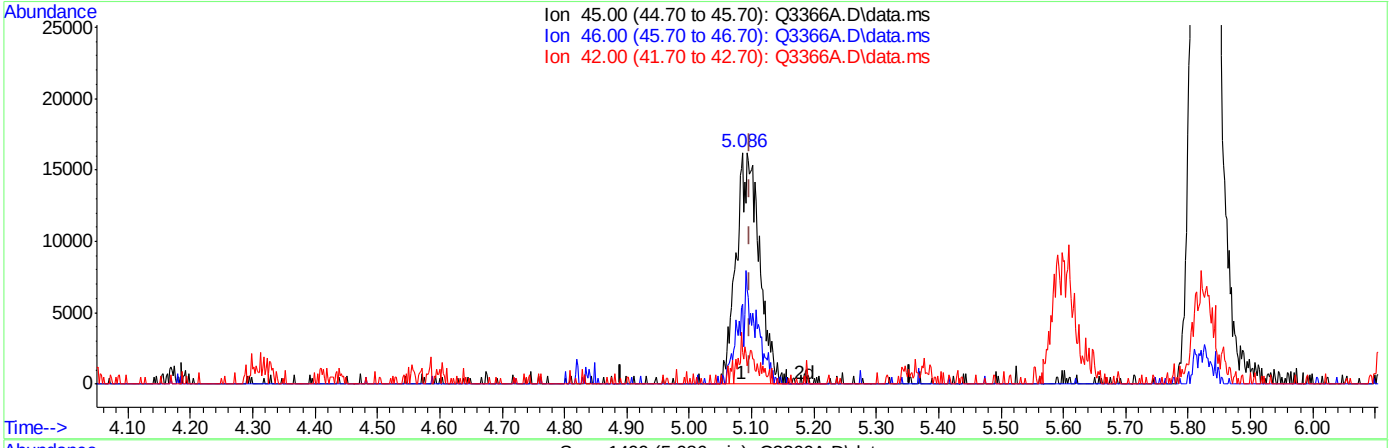
Ion	Exp%	Act%
45.00	100	100
46.00	30.60	56.05#
42.00	4.60	16.51
0.00	0.00	0.00

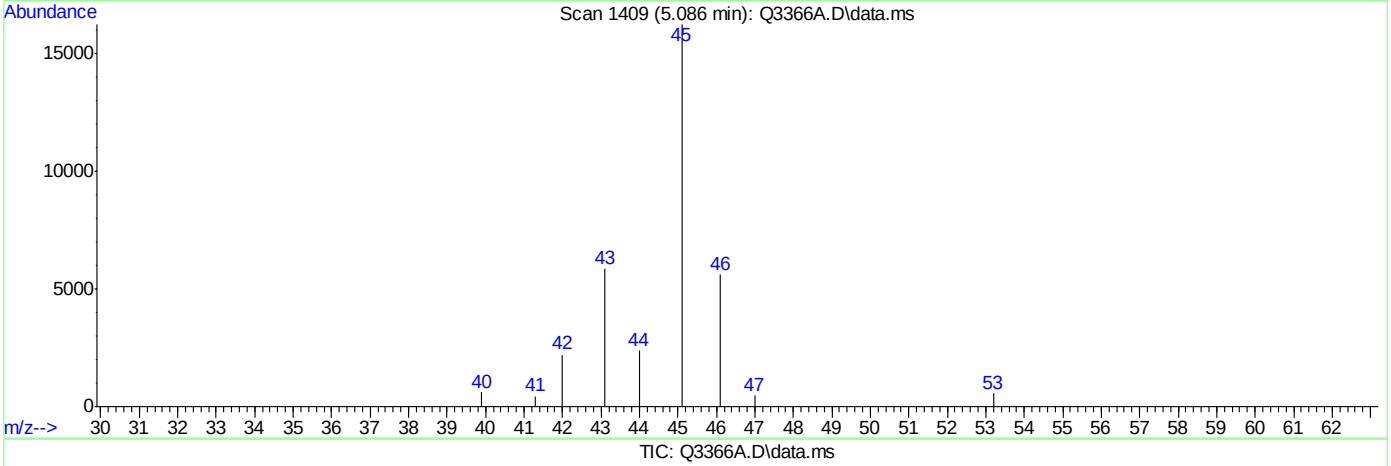
ACCUTEST Laboratories M64809

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3366A.D
Acq On : 8 May 2007 12:16 pm
Operator : PhilipB
Sample : BS (M148)
Misc : MS13508,MSQ183,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 09 13:46:43 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration





TIC: Q3366A.D\data.ms

(16) ETHANOL (m)

5.086min (-0.011) 9.26PPBV m

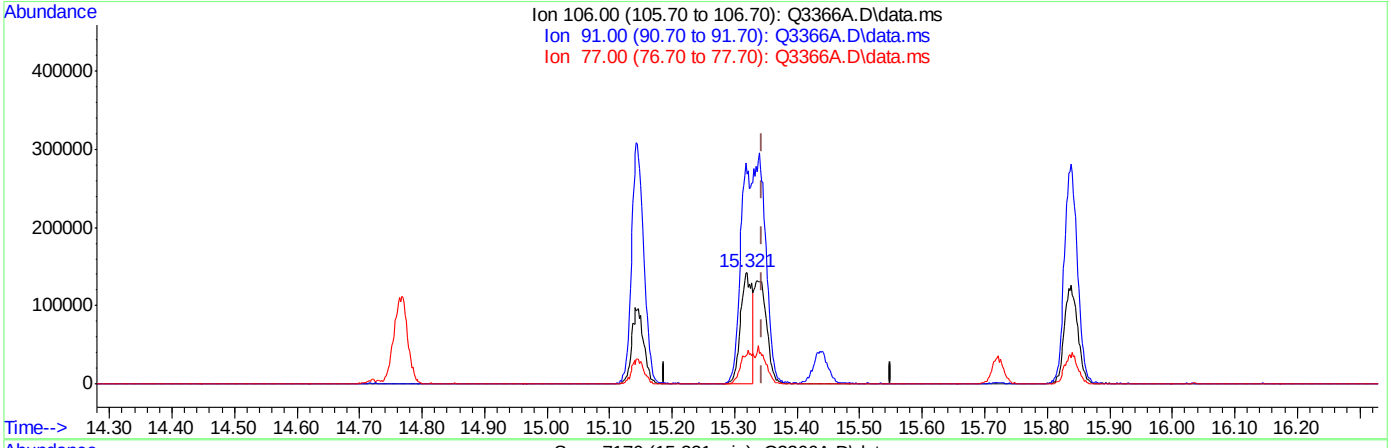
response 42056

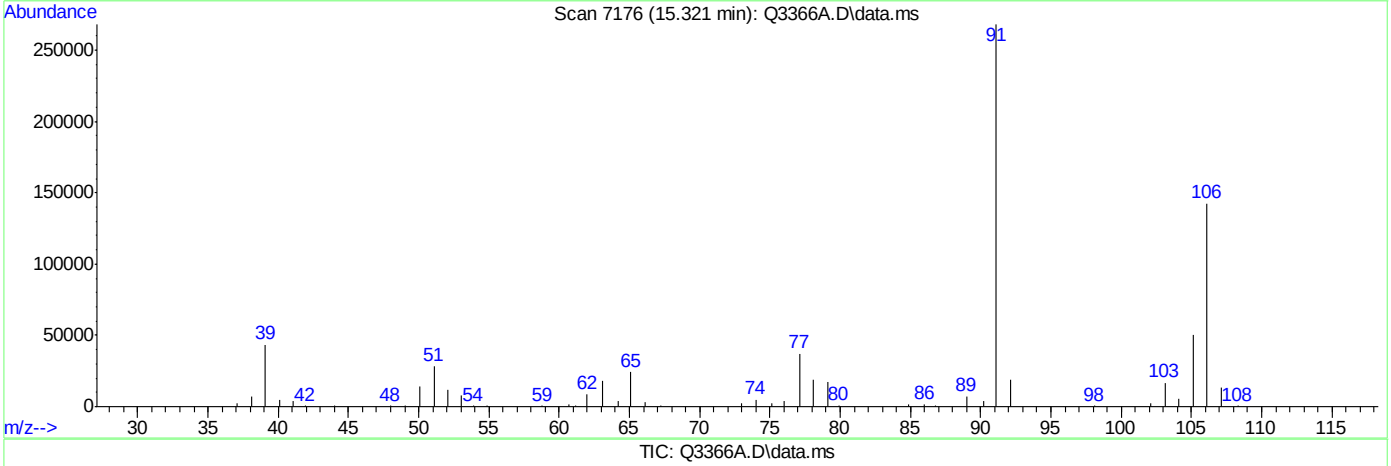
Ion	Exp%	Act%
45.00	100	100
46.00	30.60	22.23
42.00	4.60	6.55
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3366A.D
Acq On : 8 May 2007 12:16 pm
Operator : PhilipB
Sample : BS (M148)
Misc : MS13508,MSQ183,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 09 13:46:43 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration





TIC: Q3366A.D\data.ms

(56) m,p-XYLENE (m)

15.321min (-0.023) 9.82PPBV

response 185479

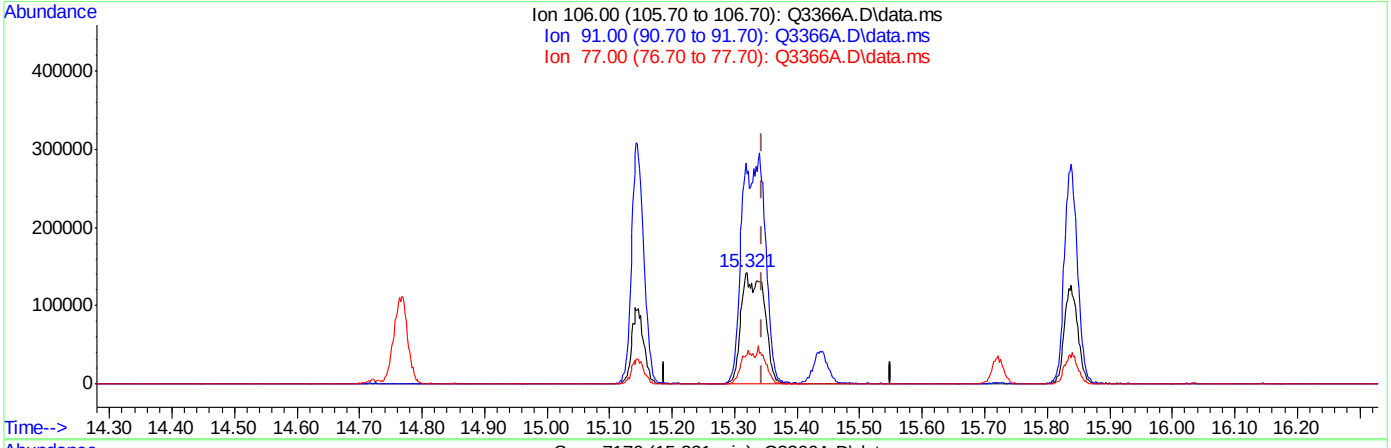
Ion	Exp%	Act%
106.00	100	100
91.00	212.80	188.02
77.00	31.20	25.96
0.00	0.00	0.00

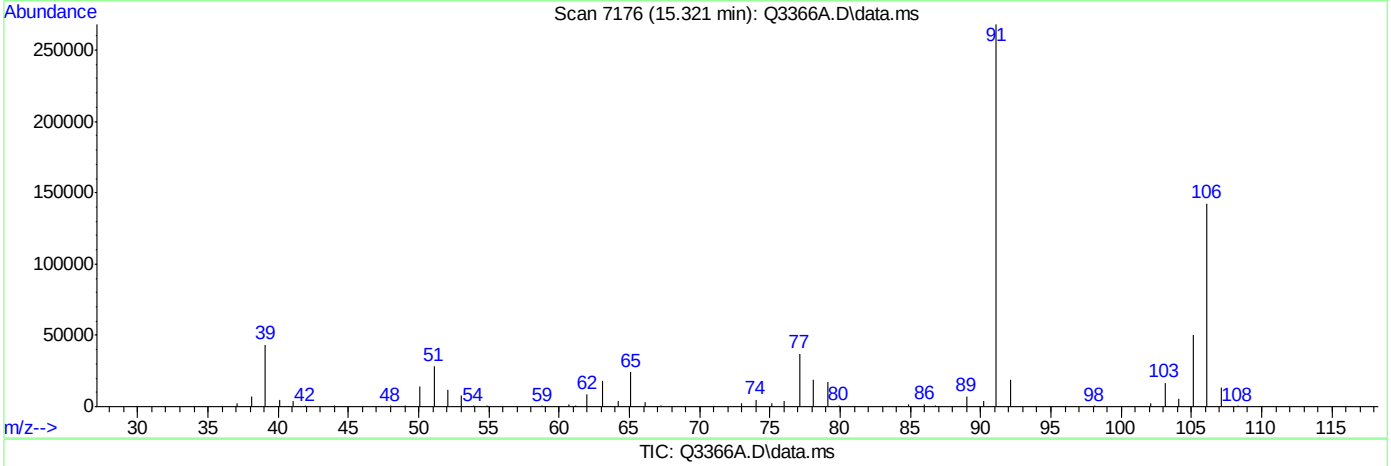
ACCUTEST Laboratories M64809

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3366A.D
Acq On : 8 May 2007 12:16 pm
Operator : PhilipB
Sample : BS (M148)
Misc : MS13508,MSQ183,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 09 13:46:43 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration





TIC: Q3366A.D\data.ms

(56) m,p-XYLENE (m)

15.321min (-0.023) 19.61PPBV m

response 370387

Ion	Exp%	Act%
106.00	100	100
91.00	212.80	188.02
77.00	31.20	25.96
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
05/11/07 11:32

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3373.D
Acq On : 9 May 2007 3:47 pm
Operator : PhilipB
Sample : BS (M148)
Misc : MS13535,MSQ184,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 11 09:42:38 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.648	128	223673	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.474	114	964112	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.721	117	783670	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.347	95	317050	5.21	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 104.20%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.042	85	795811	8.64	PPBV	97
3) PROPYLENE	3.973	41	175398	10.07	PPBV	89
4) FREON 114	4.307	85	688551	8.79	PPBV	99
5) CHLOROMETHANE	4.211	50	188689	9.57	PPBV	97
6) VINYL CHLORIDE	4.434	62	198370	8.75	PPBV	95
7) 1,3-BUTADIENE	4.571	39	197264	9.14	PPBV #	77
8) BROMOMETHANE	4.844	94	216887	9.72	PPBV	99
9) CHLOROETHANE	5.018	64	78233	9.79	PPBV	88
10) TRICHLOROFLUOROMETHANE	5.803	101	814862	7.82	PPBV	99
11) ISOPROPYL ALCOHOL	5.835	45	302150	8.05	PPBV	88
12) ACETONE	5.606	43	314172	8.18	PPBV	88
13) PENTANE	6.154	42	212370	9.58	PPBV	95
14) 1,1-DICHLOROETHYLENE	6.438	96	177744	10.00	PPBV #	79
15) CARBON DISULFIDE	6.868	76	546273	9.29	PPBV	83
16) ETHANOL	5.100	45	56577	9.06	PPBV	90
17) BROMOETHENE	5.380	106	200965	8.24	PPBV #	94
18) METHYLENE CHLORIDE	6.548	84	340425	10.10	PPBV	66
19) 3-CHLOROPROPENE	6.669	39	203367	8.44	PPBV	87
20) FREON 113	6.811	151	403906	9.14	PPBV	92
21) TRANS-1,2-DICHLOROETHY...	7.482	96	169520	8.61	PPBV #	81
22) TERTIARY BUTYL ALCOHOL	6.436	59	336471	7.97	PPBV	81
23) METHYL TERTIARY BUTYL ...	7.718	73	301423	7.31	PPBV	81
24) TETRAHYDROFURAN	9.148	42	139209	8.55	PPBV	85
25) HEXANE	8.678	57	288980	8.99	PPBV #	84
26) VINYL ACETATE	7.799	43	305256	7.72	PPBV	85
27) 1,1-DICHLOROETHANE	7.677	63	297674	7.91	PPBV	98
28) METHYL ETHYL KETONE	8.041	43	287966	7.94	PPBV	93
29) cis-1,2-DICHLOROETHYLENE	8.481	96	143899	8.00	PPBV	99
30) ETHYL ACETATE	8.674	43	572109	8.77	PPBV #	94
31) CHLOROFORM	8.765	83	437820	8.23	PPBV	94
32) 1,1,1-TRICHLOROETHANE	9.721	97	429288	7.67	PPBV	98
33) CARBON TETRACHLORIDE	10.305	117	543877	8.06	PPBV	95
34) 1,2-DICHLOROETHANE	9.471	62	234587	7.33	PPBV	98
36) BENZENE	10.163	78	355360	7.89	PPBV	99
37) CYCLOHEXANE	10.430	84	167807	9.37	PPBV	99
38) TRICHLOROETHYLENE	11.161	95	234862	8.78	PPBV	96
39) 1,2-DICHLOROPROPANE	10.935	63	132462	8.23	PPBV	95
40) BROMODICHLOROMETHANE	11.118	83	380037	8.55	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.184	57	713254	9.62	PPBV	96
42) 1,4-DIOXANE	11.148	88	75453	9.20	PPBV	89
43) HEPTANE	11.422	43	282616	10.01	PPBV	87

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3373.D
Acq On : 9 May 2007 3:47 pm
Operator : PhilipB
Sample : BS (M148)
Misc : MS13535,MSQ184,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 11 09:42:38 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration

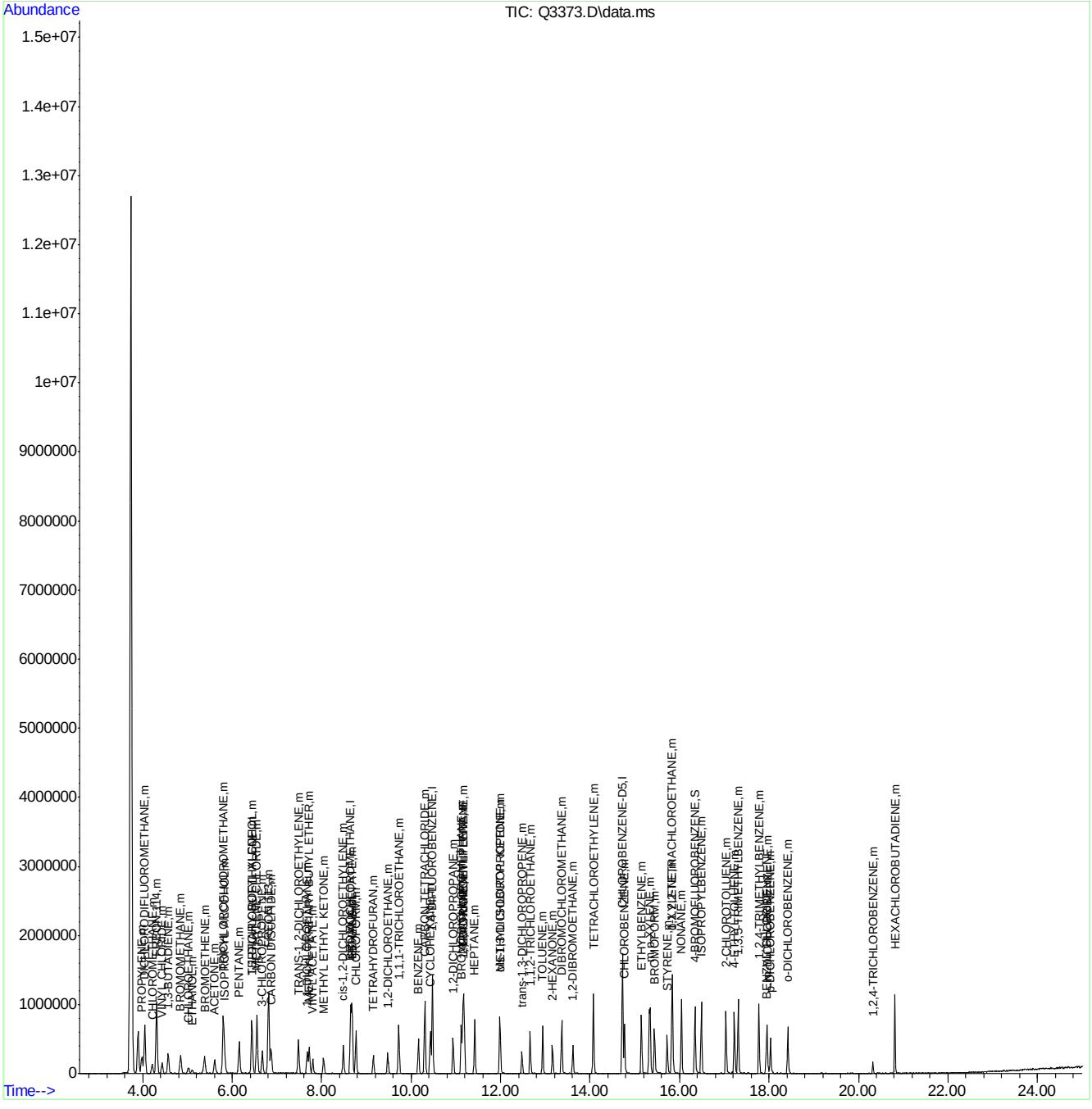
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.991	43	370147	9.88	PPBV	90
45) cis-1,3-DICHLOROPROPENE	11.975	75	194978	7.97	PPBV #	74
46) TOLUENE	12.939	92	231454	8.26	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.479	75	128459	8.40	PPBV	84
48) 1,1,2-TRICHLOROETHANE	12.660	83	143480	8.57	PPBV	97
50) 2-HEXANONE	13.157	43	272491	9.61	PPBV	88
51) TETRACHLOROETHYLENE	14.077	164	179763	8.68	PPBV #	86
52) DIBROMOCHLOROMETHANE	13.365	129	346266	8.43	PPBV	98
53) 1,2-DIBROMOETHANE	13.613	107	229109	7.73	PPBV	98
54) CHLOROBENZENE	14.767	112	325881	8.02	PPBV	96
55) ETHYLBENZENE	15.149	91	515843	8.31	PPBV	97
56) m,p-XYLENE	15.342	106	424535m	17.75	PPBV	
57) o-XYLENE	15.841	106	213102	8.96	PPBV	95
58) STYRENE	15.724	104	212218	8.77	PPBV	97
59) NONANE	16.043	43	402728	10.45	PPBV	89
60) BROMOFORM	15.441	173	262409	9.22	PPBV	98
62) 1,1,2,2-TETRACHLOROETHANE	15.830	83	380200	8.48	PPBV	98
63) ISOPROPYLBENZENE	16.487	105	590553	9.10	PPBV	97
64) 2-CHLOROTOLUENE	17.035	91	443081	9.12	PPBV	98
65) 4-ETHYLTOLUENE	17.225	105	464989	9.55	PPBV	97
66) 1,3,5-TRIMETHYLBENZENE	17.312	105	505128	9.16	PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.774	105	461297	9.60	PPBV	99
68) m-DICHLOROBENZENE	17.958	146	211763	7.26	PPBV	97
69) BENZYL CHLORIDE	17.935	91	186428	8.03	PPBV	98
70) p-DICHLOROBENZENE	18.029	146	178374	7.03	PPBV	92
71) o-DICHLOROBENZENE	18.421	146	216029	6.68	PPBV	98
72) HEXACHLOROBUTADIENE	20.814	225	113262	13.83	PPBV	98
73) 1,2,4-TRICHLOROBENZENE	20.324	180	29802	9.45	PPBV	91

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3373.D
Acq On : 9 May 2007 3:47 pm
Operator : PhilipB
Sample : BS (M148)
Misc : MS13535,MSQ184,,,,,1
ALS Vial : 3 Sample Multiplier: 1

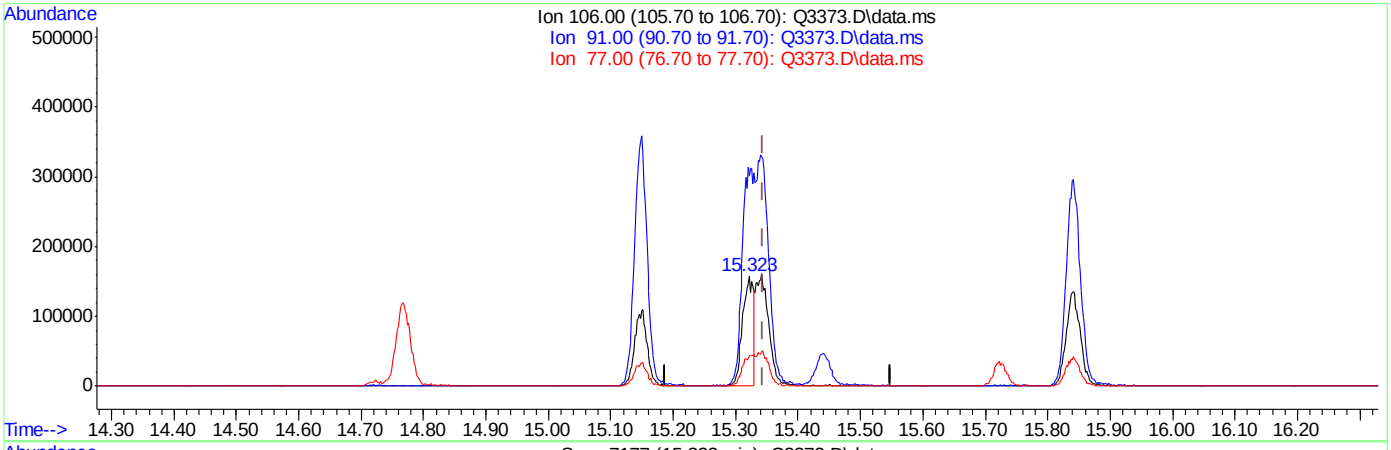
Quant Time: May 11 09:42:38 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration

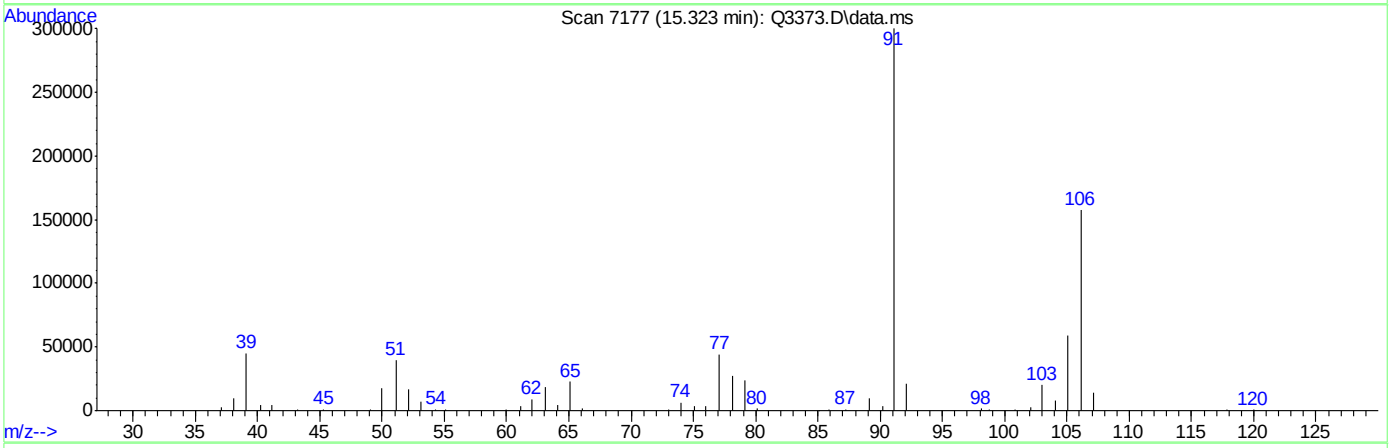


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3373.D
Acq On : 9 May 2007 3:47 pm
Operator : PhilipB
Sample : BS (M148)
Misc : MS13535,MSQ184,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 11 09:42:21 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration





TIC: Q3373.D\data.ms

(56) m,p-XYLENE (m)

15.323min (-0.021) 8.01PPBV

response 191541

Ion	Exp%	Act%
106.00	100	100
91.00	212.80	190.54
77.00	31.20	28.16
0.00	0.00	0.00

ACCUTEST Laboratories M64809

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3373.D
Acq On    :  9 May 2007   3:47 pm
Operator  : PhilipB
Sample    : BS (M148)
Misc      : MS13535,MSQ184,,,,,1
ALS Vial  : 3   Sample Multiplier: 1

Quant Time: May 11 09:42:21 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration
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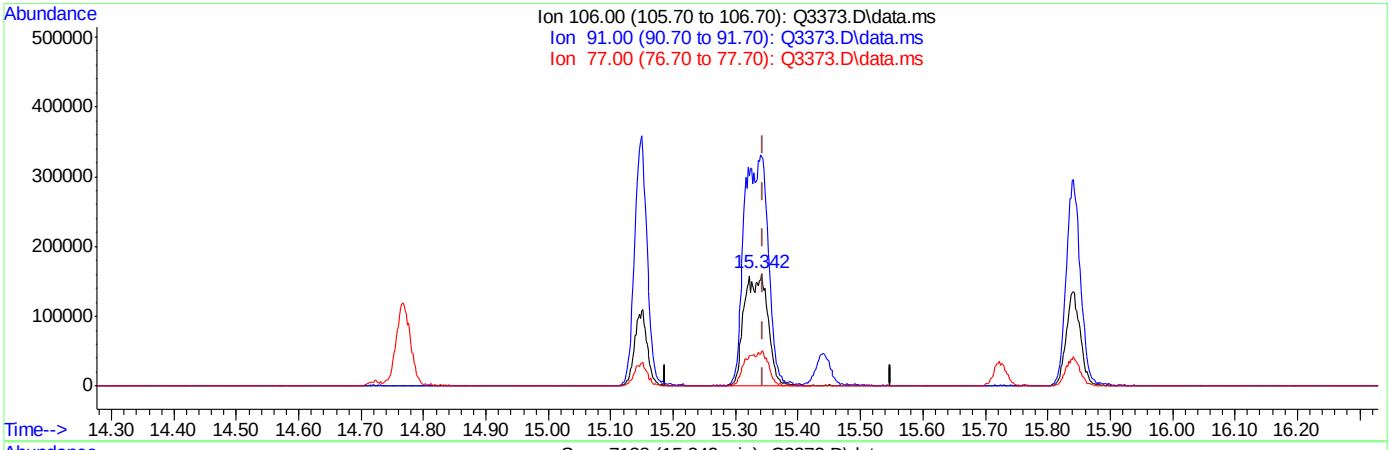
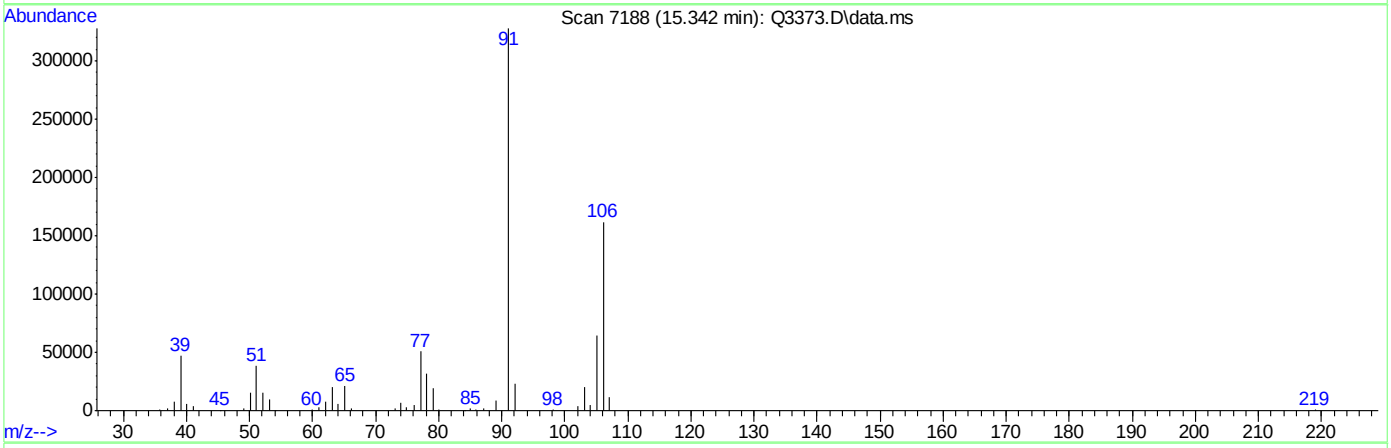




TIC: Q3373.D\data.ms

(56) m,p-XYLENE (m)

15.342min (-0.002) 17.75PPBV m

response 424535

Ion	Exp%	Act%
106.00	100	100
91.00	212.80	202.69
77.00	31.20	31.37
0.00	0.00	0.00

ACCUTEST Laboratories M64809

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10286B.D
Acq On : 10 May 2007 10:33 am
Operator : danat
Sample : BS (M054)
Misc : MS13434, MSJ533,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 10 11:10:20 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 10 11:09:51 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	413189	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.44	114	1835396	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.67	117	1640141	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.29	95	531829	5.53	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 110.60%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.07	85	1305850	8.99	PPBV	100
3) PROPYLENE	3.99	41	178641	10.76	PPBV #	87
4) FREON 114	4.32	85	1056037	8.62	PPBV	99
5) CHLOROMETHANE	4.23	50	247208	9.17	PPBV	97
6) VINYL CHLORIDE	4.45	62	301533	8.91	PPBV	100
7) 1,3-BUTADIENE	4.58	39	204602	10.02	PPBV	97
8) BROMOMETHANE	4.85	94	360144	8.79	PPBV	99
9) CHLOROETHANE	5.03	64	140741	10.21	PPBV	99
10) TRICHLOROFLUOROMETHANE	5.79	101	1263256	8.54	PPBV	100
11) ISOPROPYL ALCOHOL	5.92	45	301406	9.67	PPBV	97
12) ACETONE	5.65	43	283156	7.72	PPBV	99
13) PENTANE	6.13	42	238500	9.59	PPBV	98
14) 1,1-DICHLOROETHYLENE	6.43	96	321653	8.69	PPBV	96
15) CARBON DISULFIDE	6.85	76	924747	8.26	PPBV	99
16) ETHANOL	5.20	45	49752	10.19	PPBV	96
17) BROMOETHENE	5.38	106	346747	9.30	PPBV	100
18) METHYLENE CHLORIDE	6.54	84	285766	7.73	PPBV	97
19) 3-CHLOROPROPENE	6.66	39	219659	9.18	PPBV	96
20) FREON 113	6.79	151	717493	7.93	PPBV	99
21) TRANS-1,2-DICHLOROETHYLENE	7.46	96	317265	8.82	PPBV	98
22) TERTIARY BUTYL ALCOHOL	6.52	59	409671	9.61	PPBV	99
23) METHYL TERTIARY BUTYL ETHE	7.73	73	534027	8.16	PPBV	98
24) TETRAHYDROFURAN	9.17	42	153701	8.55	PPBV	98
25) HEXANE	8.63	57	300535	7.52	PPBV	97
26) VINYL ACETATE	7.80	43	322349	8.07	PPBV	98
27) 1,1-DICHLOROETHANE	7.66	63	492394	8.46	PPBV	100
28) METHYL ETHYL KETONE	8.07	43	304589	8.22	PPBV	94
29) cis-1,2-DICHLOROETHYLENE	8.46	96	285978	8.56	PPBV	97
30) ETHYL ACETATE	8.68	43	324353	7.81	PPBV	99
31) CHLOROFORM	8.74	83	712177	8.31	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.68	97	854284	8.59	PPBV	99
33) CARBON TETRACHLORIDE	10.26	117	1127397	8.62	PPBV	99
34) 1,2-DICHLOROETHANE	9.45	62	382396	8.09	PPBV	100
36) BENZENE	10.12	78	669804	8.55	PPBV	100
37) CYCLOHEXANE	10.37	84	353671	9.72	PPBV	99
38) TRICHLOROETHYLENE	11.12	95	389434	8.76	PPBV	97
39) 1,2-DICHLOROPROPANE	10.90	63	214272	8.13	PPBV	98
40) BROMODICHLOROMETHANE	11.08	83	655320	7.76	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.12	57	1187978	10.49	PPBV	98
42) 1,4-DIOXANE	11.16	88	122751	8.14	PPBV	95
43) HEPTANE	11.36	43	323287	9.70	PPBV	99

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10286B.D
Acq On : 10 May 2007 10:33 am
Operator : danat
Sample : BS (M054)
Misc : MS13434, MSJ533,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 10 11:10:20 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 10 11:09:51 2007
Response via : Initial Calibration

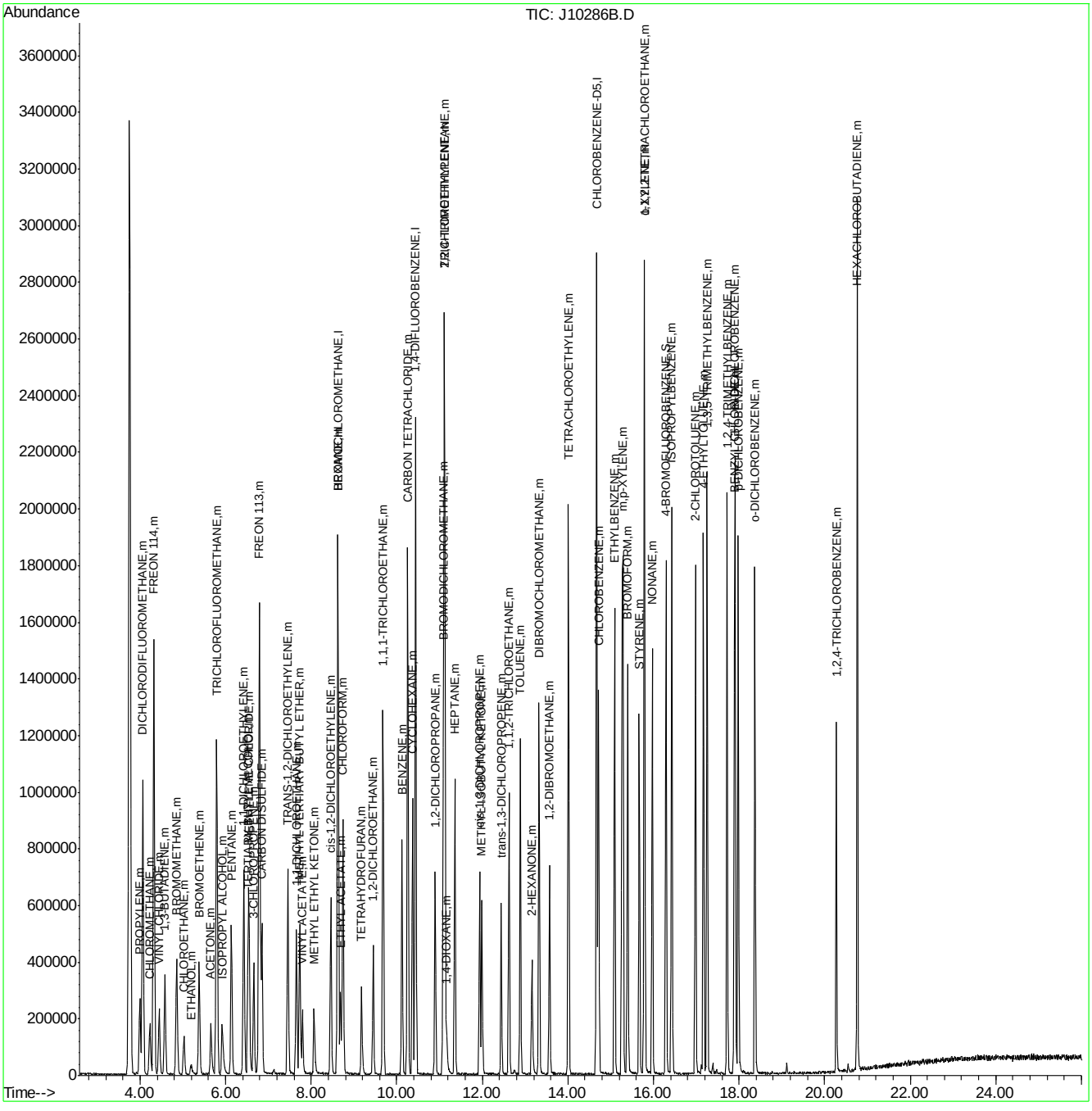
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.98	43	366654	8.87	PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.94	75	349534	9.62	PPBV	98
46) TOLUENE	12.89	92	462783	9.02	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.44	75	290402	7.07	PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.62	83	240426	8.02	PPBV	99
50) 2-HEXANONE	13.15	43	285755	7.38	PPBV	98
51) TETRACHLOROETHYLENE	14.01	164	445675	8.05	PPBV	99
52) DIBROMOCHLOROMETHANE	13.33	129	679264	7.62	PPBV	100
53) 1,2-DIBROMOETHANE	13.57	107	465149	8.46	PPBV	99
54) CHLOROBENZENE	14.71	112	714978	8.20	PPBV	98
55) ETHYLBENZENE	15.09	91	1072352	9.61	PPBV	99
56) m,p-XYLENE	15.28	106	907029	15.87	PPBV	100
57) o-XYLENE	15.78	106	461835	7.99	PPBV	100
58) STYRENE	15.67	104	610702	8.04	PPBV	100
59) NONANE	15.97	43	458405	9.71	PPBV	99
60) BROMOFORM	15.40	173	731566	8.07	PPBV	100
62) 1,1,2,2-TETRACHLOROETHANE	15.79	83	671390	8.73	PPBV	100
63) ISOPROPYLBENZENE	16.43	105	1349019	9.29	PPBV	99
64) 2-CHLOROTOLUENE	16.98	91	917142	9.59	PPBV	99
65) 4-ETHYLTOLUENE	17.17	105	1113566	7.77	PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.25	105	1099713	9.63	PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.72	105	998081	8.26	PPBV	99
68) m-DICHLOROBENZENE	17.91	146	797605	9.78	PPBV	99
69) BENZYL CHLORIDE	17.89	91	637252	9.90	PPBV	100
70) p-DICHLOROBENZENE	17.98	146	749201	10.05	PPBV	98
71) o-DICHLOROBENZENE	18.37	146	706204	9.72	PPBV	100
72) HEXACHLOROBUTADIENE	20.76	225	520415	11.87	PPBV	100
73) 1,2,4-TRICHLOROBENZENE	20.27	180	330262	13.97	PPBV	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10286B.D
Acq On : 10 May 2007 10:33 am
Operator : danat
Sample : BS (M054)
Misc : MS13434, MSJ533,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 10 11:10:20 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 10 11:09:51 2007
Response via : Initial Calibration



ACCUTEST Laboratories M64809

Manual Integrations
APPROVED
(compounds with "m" flag)
Doug Yargeau
05/16/07 12:59

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10391.D
Acq On : 16 May 2007 10:37 am
Operator : PhilipB
Sample : M64809-9dup
Misc : MS13551, MSJ537,,,,,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: May 16 11:14:41 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 10 11:09:51 2007
Response via : Initial Calibration

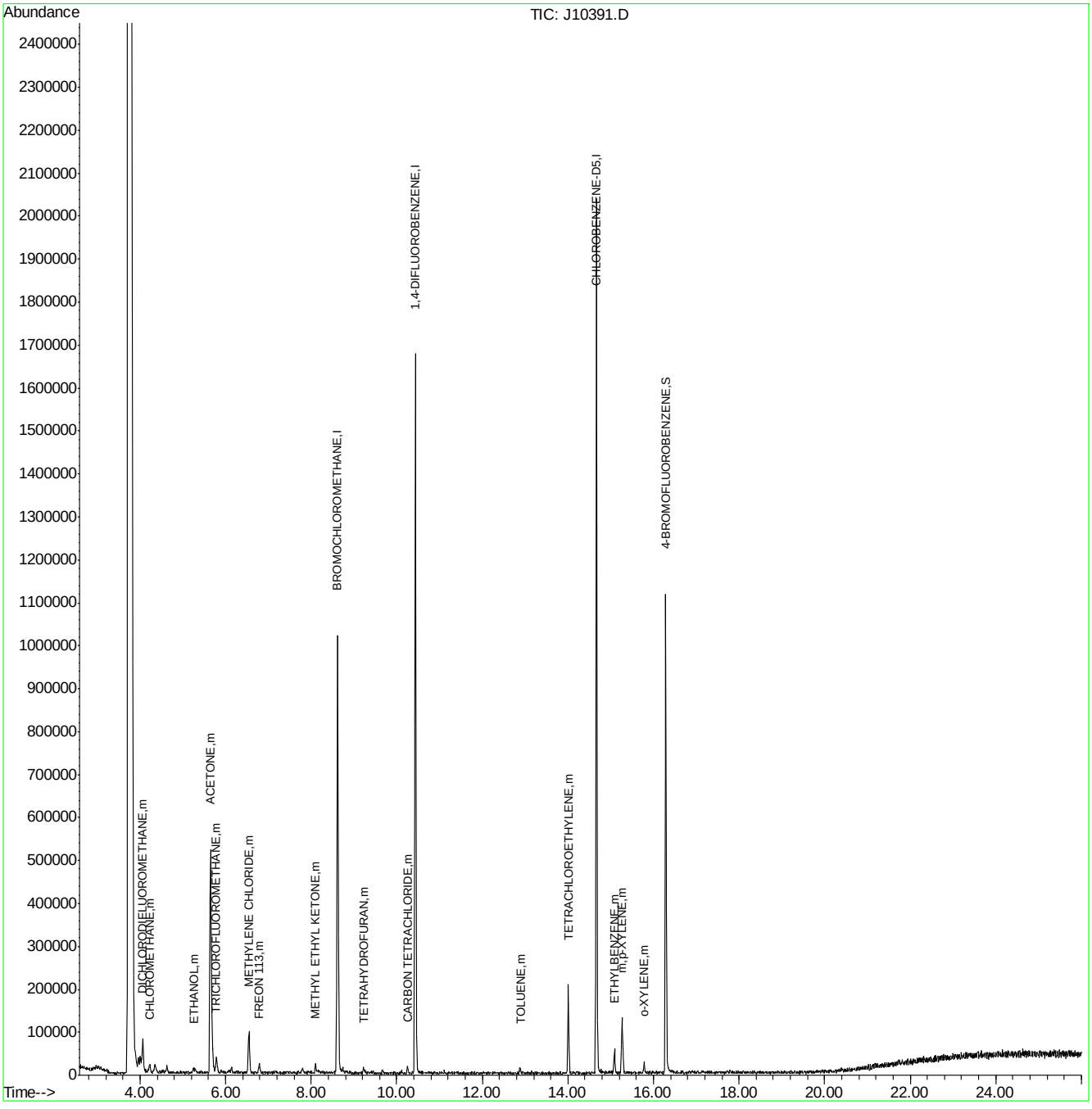
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	314752	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.43	114	1238982	10.00	PPBV	-0.01
49) CHLOROBENZENE-D5	14.67	117	1084482	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.29	95	309535	4.86	PPBV	0.00
Spiked Amount 5.000	Range 51 - 142		Recovery = 97.20%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.06	85	70275	0.64	PPBV	98
5) CHLOROMETHANE	4.23	50	13048m	0.64	PPBV	
10) TRICHLOROFLUOROMETHANE	5.79	101	35269	0.31	PPBV	97
12) ACETONE	5.64	43	810212	28.38	PPBV	99
16) ETHANOL	5.25	45	17864m	4.80	PPBV	
18) METHYLENE CHLORIDE	6.55	84	49759	1.00	PPBV	97
20) FREON 113	6.80	151	8919	0.13	PPBV	93
24) TETRAHYDROFURAN	9.23	42	6241m	0.46	PPBV	
28) METHYL ETHYL KETONE	8.09	43	25221	0.89	PPBV	82
33) CARBON TETRACHLORIDE	10.25	117	9760	0.10	PPBV	97
46) TOLUENE	12.89	92	4409	0.13	PPBV	92
51) TETRACHLOROETHYLENE	14.01	164	44340	1.21	PPBV	98
55) ETHYLBENZENE	15.09	91	31998	0.43	PPBV	91
56) m,p-XYLENE	15.27	106	45843	2.83	PPBV	93
57) o-XYLENE	15.77	106	7087	1.11	PPBV	91

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

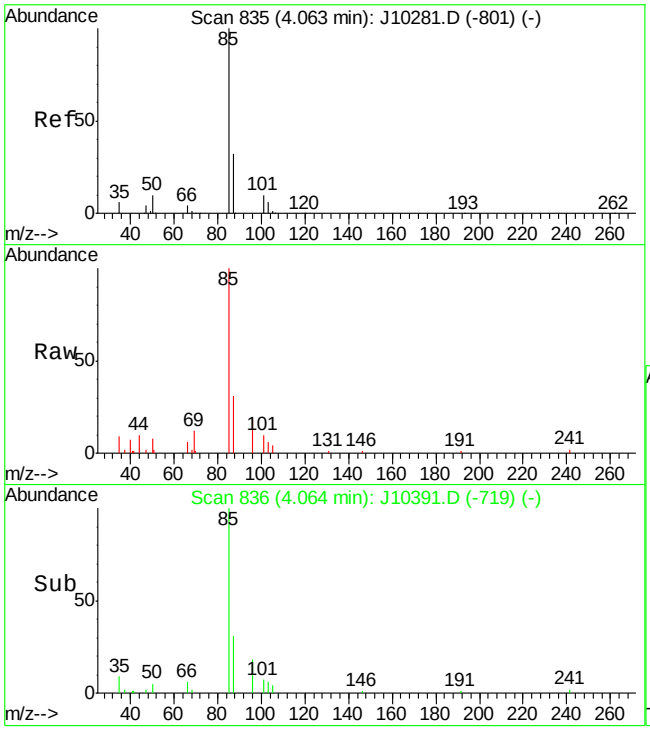
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10391.D
Acq On : 16 May 2007 10:37 am
Operator : PhilipB
Sample : M64809-9dup
Misc : MS13551, MSJ537,,,,,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: May 16 11:14:41 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 10 11:09:51 2007
Response via : Initial Calibration



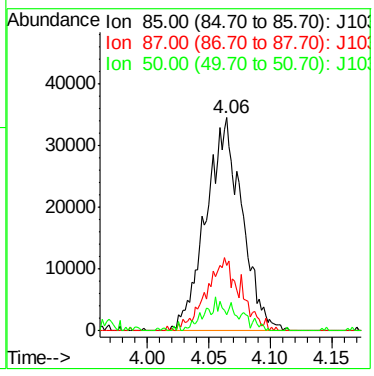
J050907T.M Wed May 16 11:14:52 2007 Page: 2

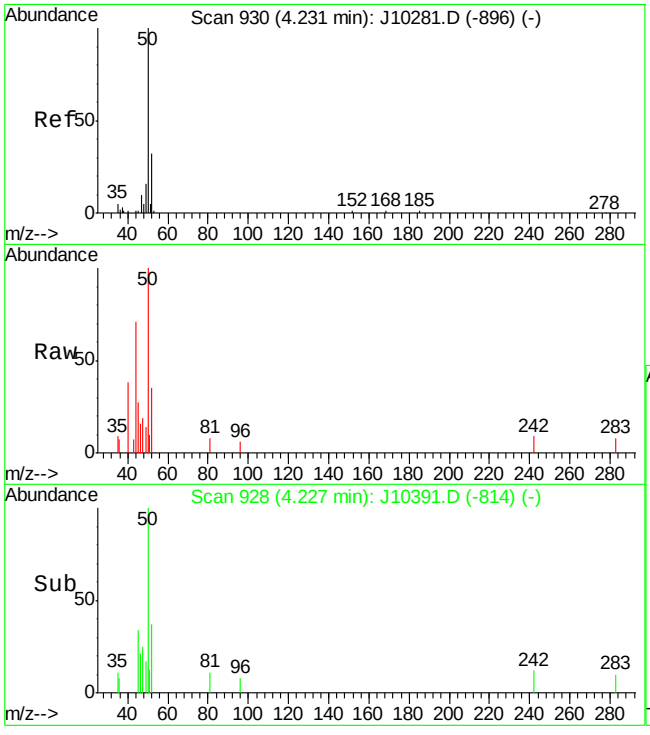


#2
DICHLORODIFLUOROMETHANE
Concen: 0.64 PPBV
RT: 4.06 min Scan# 836
Delta R.T. 0.00 min
Lab File: J10391.D
Acq: 16 May 2007 10:37 am

Tgt Ion: 85 Resp: 70275

Ion	Ratio	Lower	Upper
85	100		
87	32.6	12.7	52.7
50	13.4	0.0	31.0

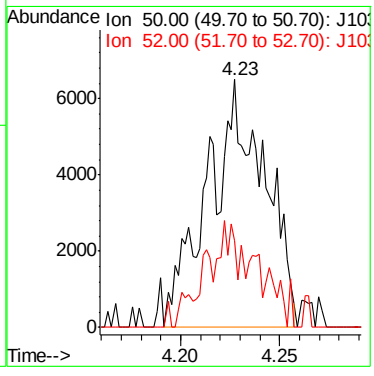


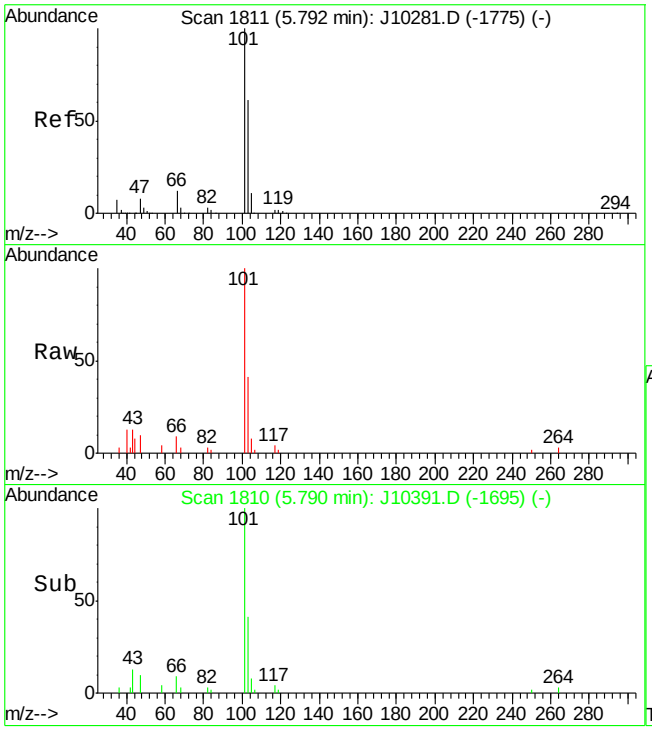


#5
CHLOROMETHANE
Concen: 0.64 PPBV m
RT: 4.23 min Scan# 928
Delta R.T. -0.00 min
Lab File: J10391.D
Acq: 16 May 2007 10:37 am

Tgt Ion: 50 Resp: 13048

Ion	Ratio	Lower	Upper
50	100		
52	35.2	12.6	52.6

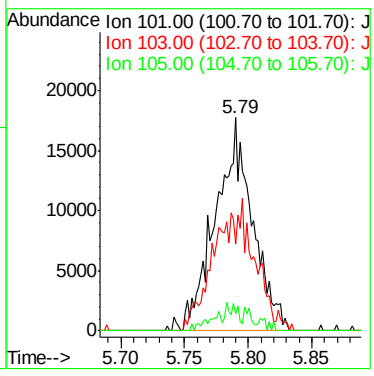


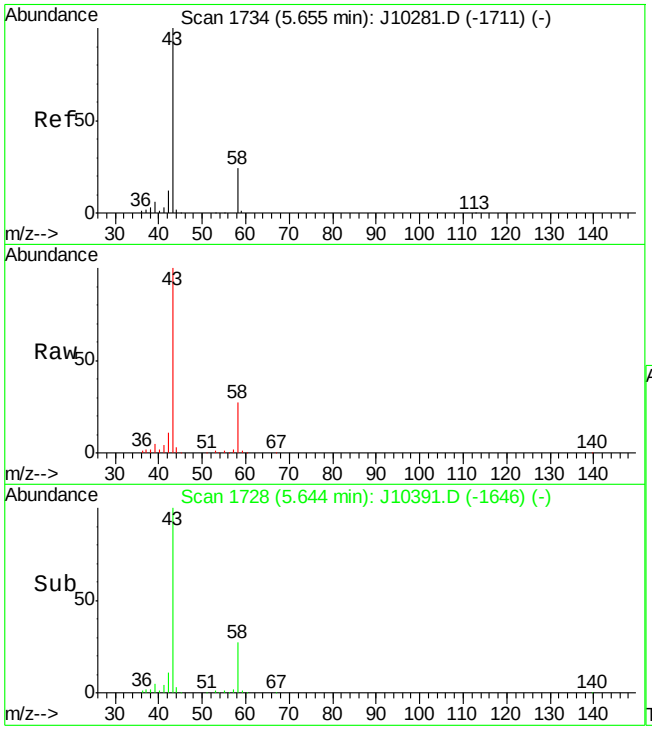


#10
TRICHLOROFLUOROMETHANE
Concen: 0.31 PPBV
RT: 5.79 min Scan# 1810
Delta R.T. -0.00 min
Lab File: J10391.D
Acq: 16 May 2007 10:37 am

Tgt Ion:101 Resp: 35269

Ion	Ratio	Lower	Upper
101	100		
103	67.0	44.8	84.8
105	9.6	0.0	30.5

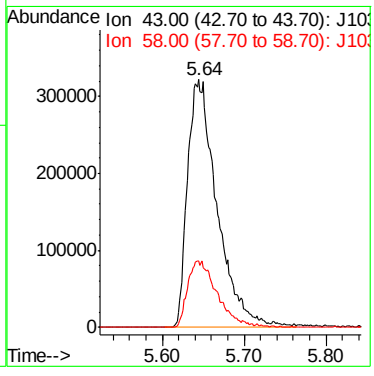


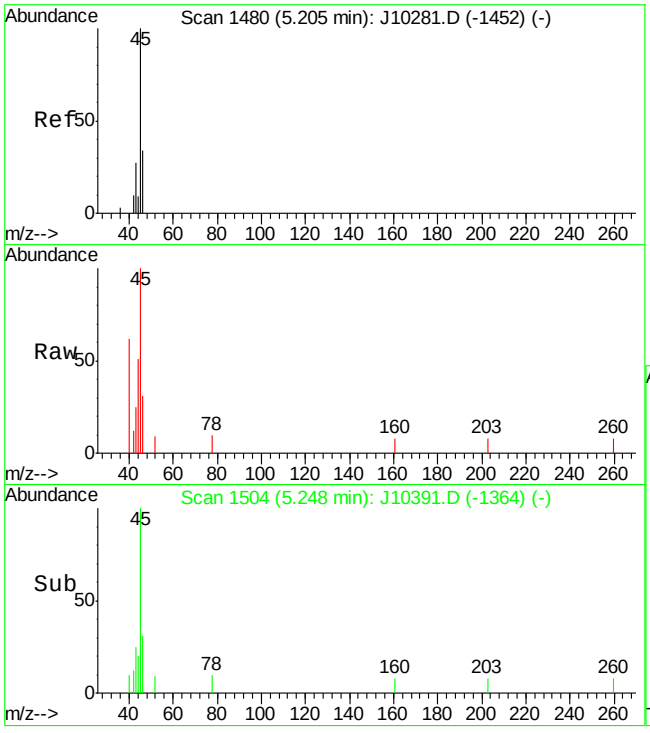


#12
ACETONE
Concen: 28.38 PPBV
RT: 5.64 min Scan# 1728
Delta R.T. -0.01 min
Lab File: J10391.D
Acq: 16 May 2007 10:37 am

Tgt Ion: 43 Resp: 810212

Ion	Ratio	Lower	Upper
43	100		
58	27.3	6.8	46.8

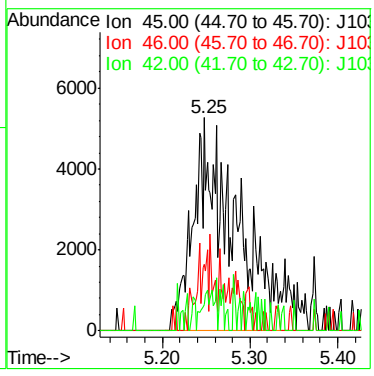


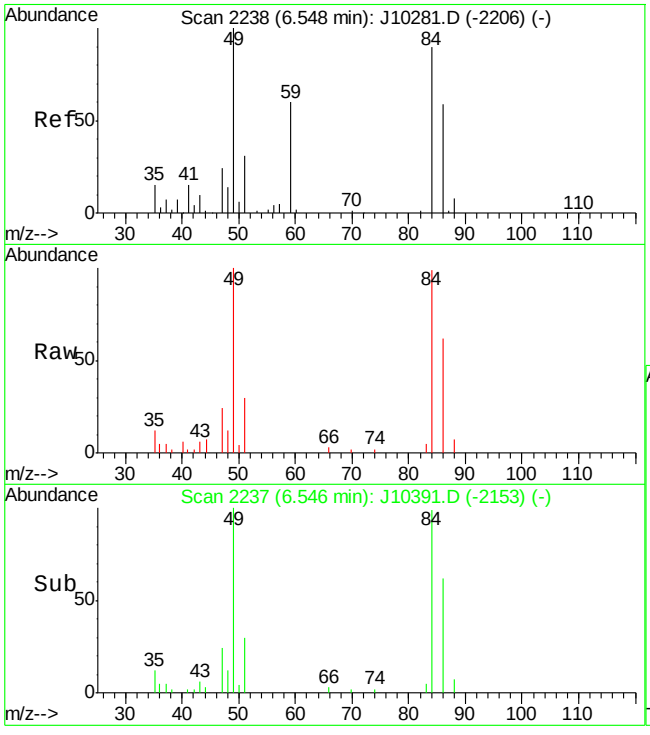


#16
ETHANOL
Concen: 4.80 PPBV m
RT: 5.25 min Scan# 1504
Delta R.T. 0.04 min
Lab File: J10391.D
Acq: 16 May 2007 10:37 am

Tgt Ion: 45 Resp: 17864

Ion	Ratio	Lower	Upper
45	100		
46	0.3	0.0	34.1
42	0.5	0.0	22.3

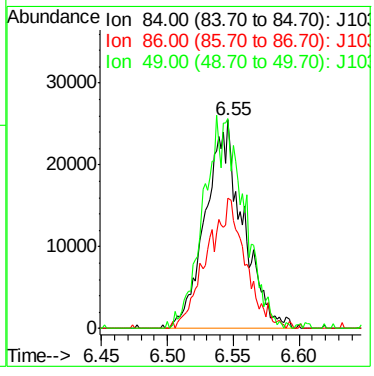


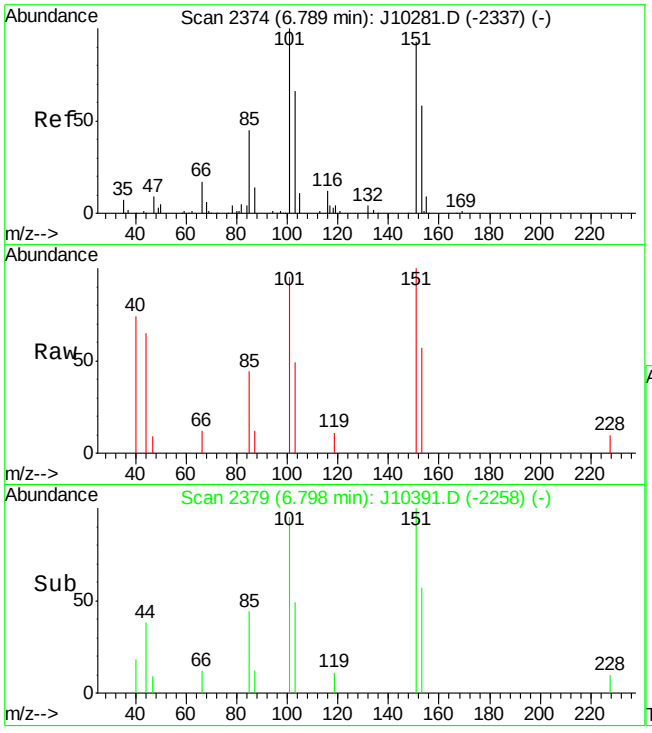


#18
METHYLENE CHLORIDE
Concen: 1.00 PPBV
RT: 6.55 min Scan# 2237
Delta R.T. -0.00 min
Lab File: J10391.D
Acq: 16 May 2007 10:37 am

Tgt Ion: 84 Resp: 49759

Ion	Ratio	Lower	Upper
84	100		
86	64.4	47.2	87.2
49	112.1	0.0	314.2

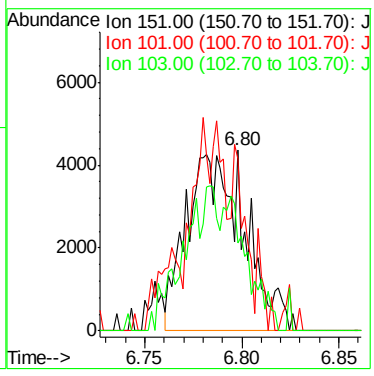


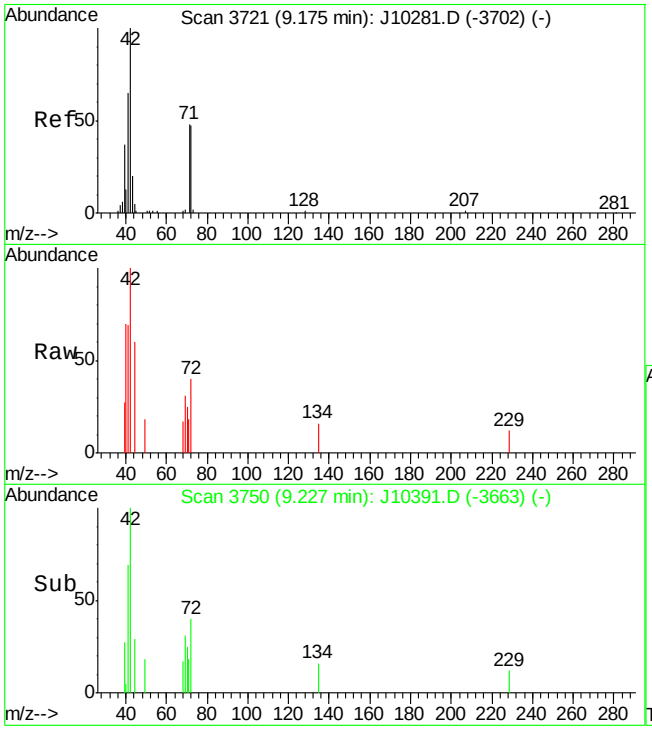


#20
FREON 113
Concen: 0.13 PPBV
RT: 6.80 min Scan# 2379
Delta R.T. 0.01 min
Lab File: J10391.D
Acq: 16 May 2007 10:37 am

Tgt Ion:151 Resp: 8919

Ion	Ratio	Lower	Upper
151	100		
101	107.8	91.2	131.2
103	81.4	51.5	91.5

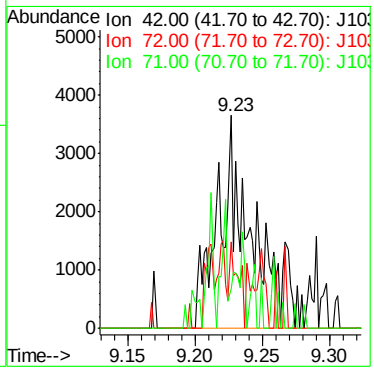


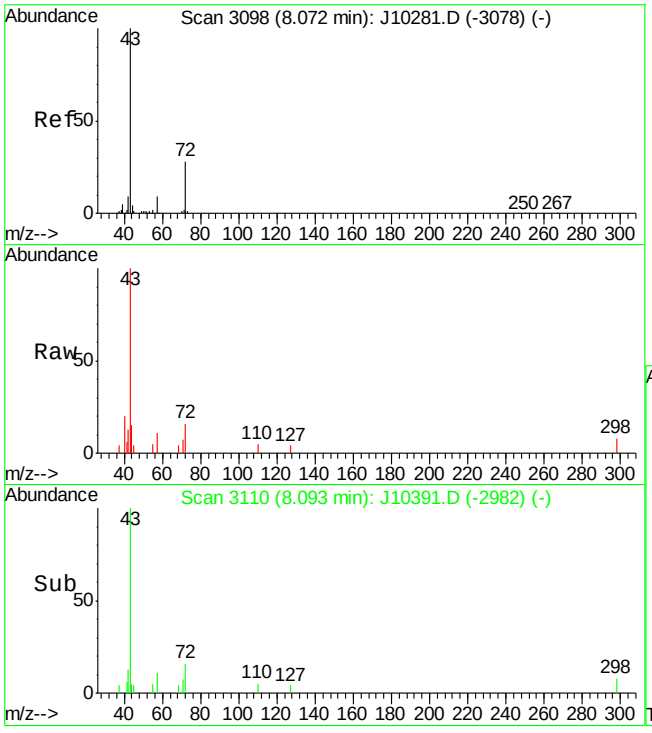


#24
TETRAHYDROFURAN
Concen: 0.46 PPBV m
RT: 9.23 min Scan# 3750
Delta R.T. 0.05 min
Lab File: J10391.D
Acq: 16 May 2007 10:37 am

Tgt Ion: 42 Resp: 6241

Ion	Ratio	Lower	Upper
42	100		
72	27.5	31.3	71.3#
71	23.8	32.5	72.5#

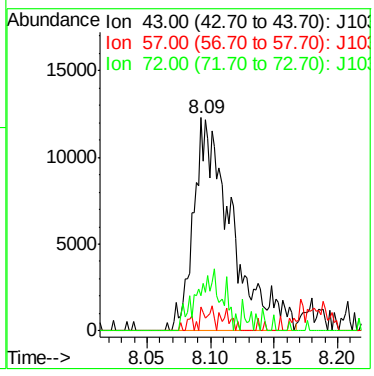


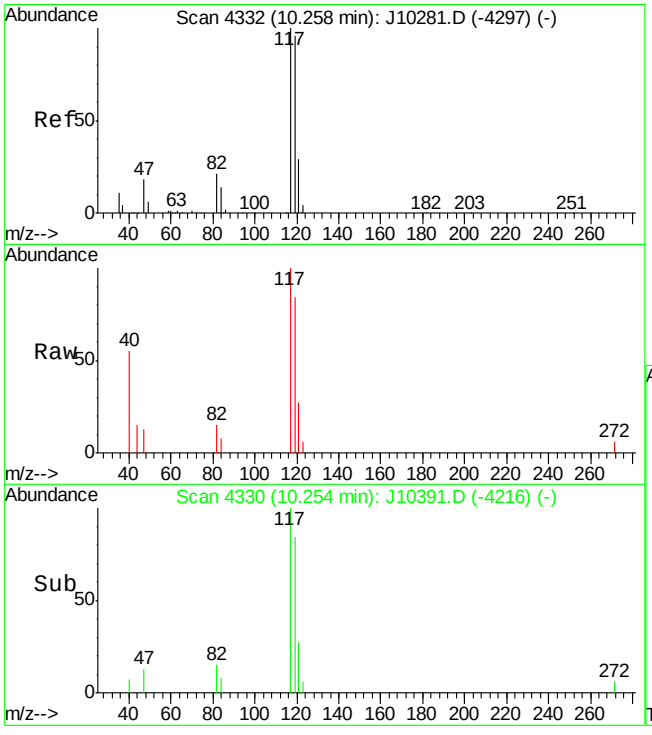


#28
METHYL ETHYL KETONE
Concen: 0.89 PPBV
RT: 8.09 min Scan# 3110
Delta R.T. 0.02 min
Lab File: J10391.D
Acq: 16 May 2007 10:37 am

Tgt Ion: 43 Resp: 25221

Ion	Ratio	Lower	Upper
43	100		
57	11.2	0.0	28.8
72	16.4	7.6	47.6

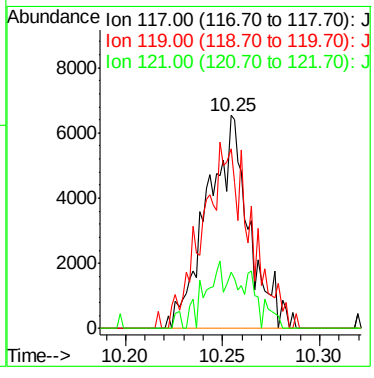


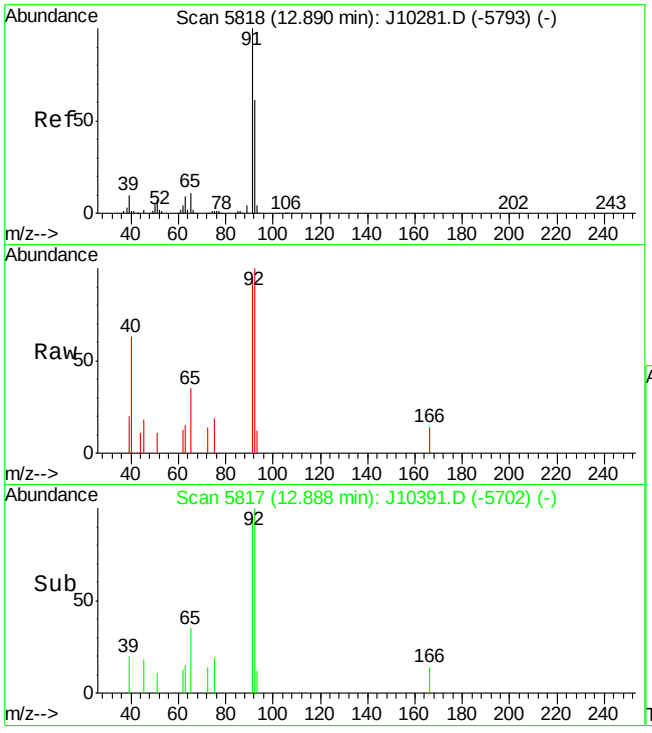


#33
CARBON TETRACHLORIDE
Concen: 0.10 PPBV
RT: 10.25 min Scan# 4330
Delta R.T. -0.00 min
Lab File: J10391.D
Acq: 16 May 2007 10:37 am

Tgt Ion:117 Resp: 9760

Ion	Ratio	Lower	Upper
117	100		
119	99.8	77.0	117.0
121	32.8	11.3	51.3

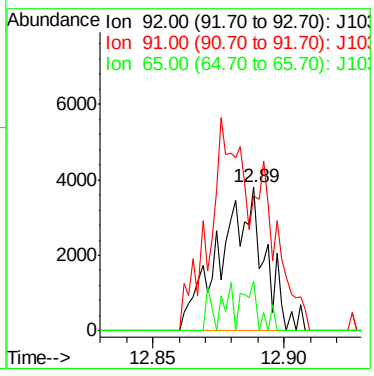


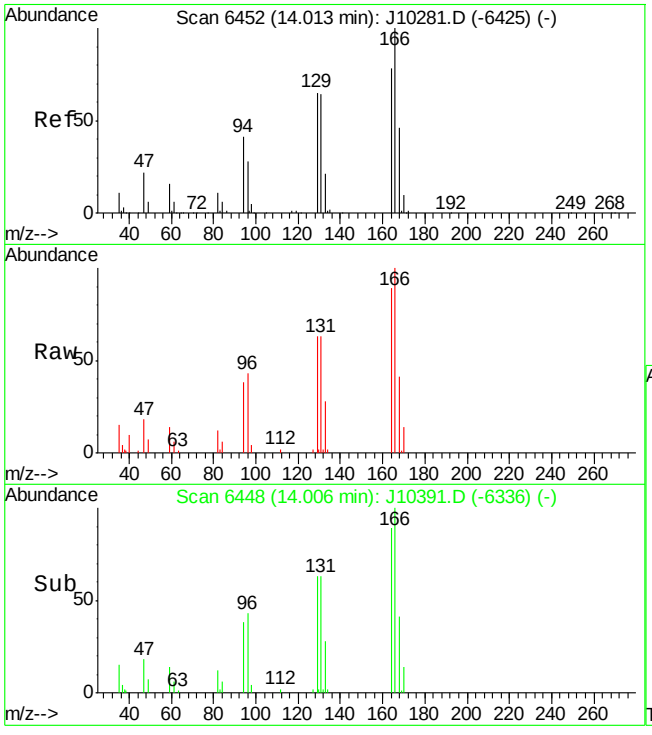


#46
TOLUENE
Concen: 0.13 PPBV
RT: 12.89 min Scan# 5817
Delta R.T. -0.00 min
Lab File: J10391.D
Acq: 16 May 2007 10:37 am

Tgt Ion: 92 Resp: 4409

Ion	Ratio	Lower	Upper
92	100		
91	176.2	146.0	186.0
65	22.0	0.0	38.6

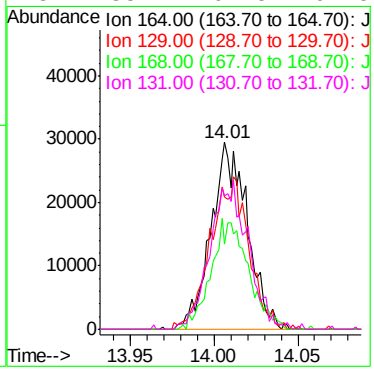


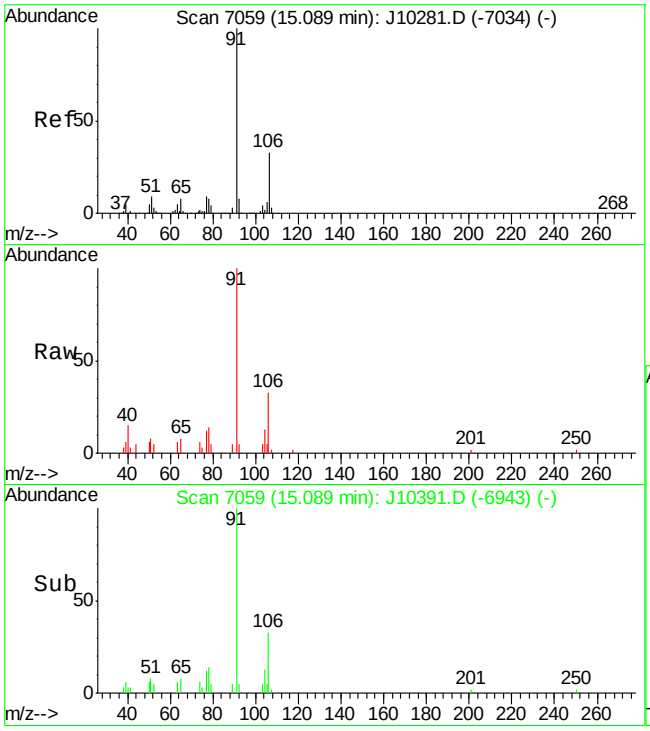


#51
TETRACHLOROETHYLENE
Concen: 1.21 PPBV
RT: 14.01 min Scan# 6448
Delta R.T. -0.01 min
Lab File: J10391.D
Acq: 16 May 2007 10:37 am

Tgt Ion:164 Resp: 44340

Ion	Ratio	Lower	Upper
164	100		
129	86.1	67.6	107.6
168	60.2	42.8	82.8
131	83.4	64.5	104.5

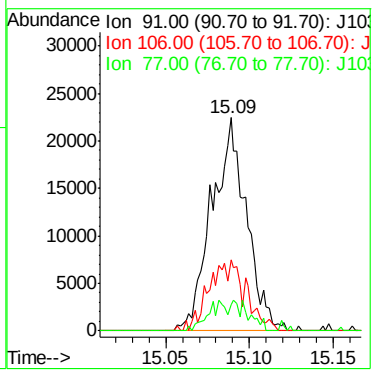


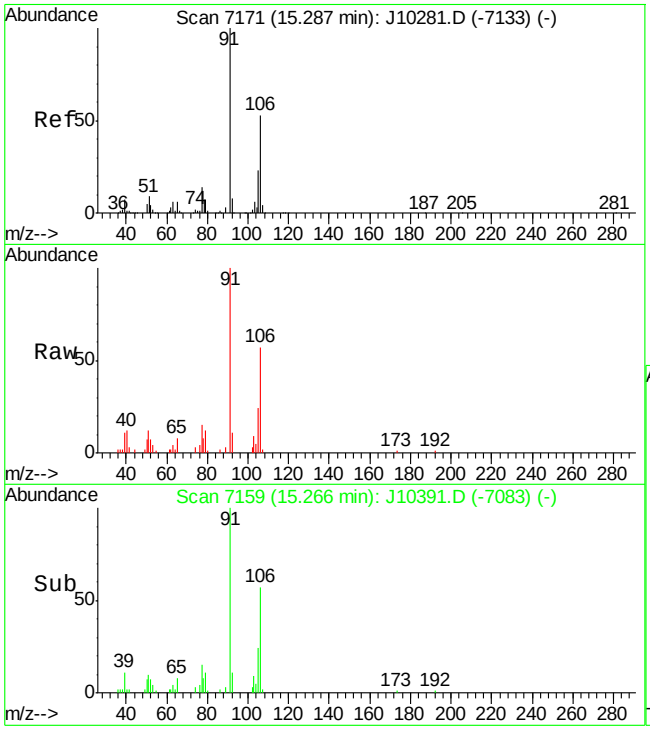


#55
ETHYLBENZENE
Concen: 0.43 PPBV
RT: 15.09 min Scan# 7059
Delta R.T. -0.00 min
Lab File: J10391.D
Acq: 16 May 2007 10:37 am

Tgt Ion: 91 Resp: 31998

Ion	Ratio	Lower	Upper
91	100		
106	35.6	12.0	52.0
77	14.9	0.0	29.2

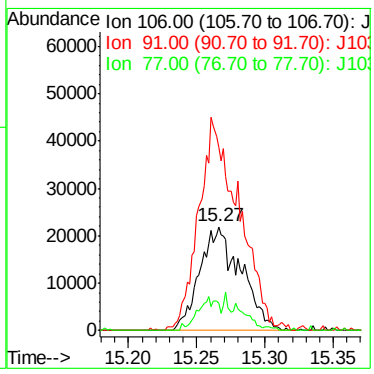


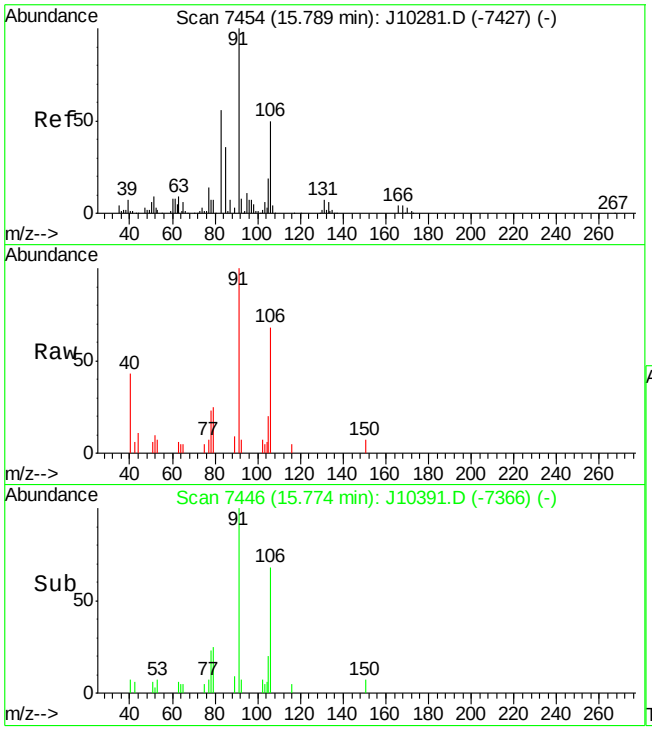


#56
m,p-XYLENE
Concen: 2.83 PPBV
RT: 15.27 min Scan# 7159
Delta R.T. -0.02 min
Lab File: J10391.D
Acq: 16 May 2007 10:37 am

Tgt Ion:106 Resp: 45843

Ion	Ratio	Lower	Upper
106	100		
91	175.8	149.9	224.9
77	26.5	21.0	31.4

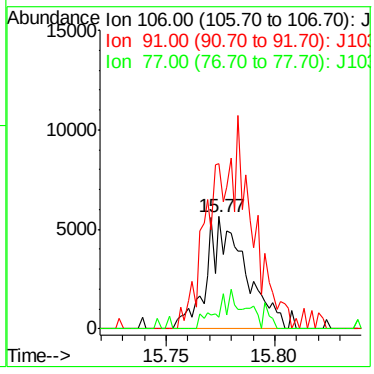




#57
o-XYLENE
Concen: 1.11 PPBV
RT: 15.77 min Scan# 7446
Delta R.T. -0.01 min
Lab File: J10391.D
Acq: 16 May 2007 10:37 am

Tgt Ion:106 Resp: 7087

Ion	Ratio	Lower	Upper
106	100		
91	190.6	185.0	225.0
77	27.3	6.2	46.2

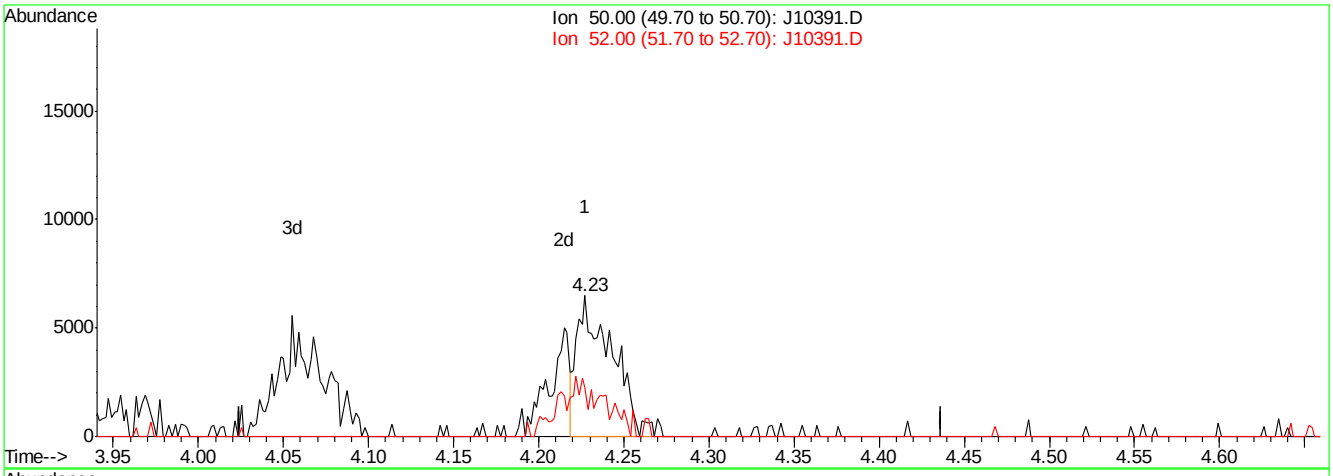


Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J10391.D Vial: 16
Acq On : 16 May 2007 10:37 am Operator: PhilipB
Sample : M64809-9dup Inst : MSJ
Misc : MS13551, MSJ537,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 16 11:05:03 2007 Results File: J050907T.RES

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 11:09:51 2007
Response via : Multiple Level Calibration



(5) CHLOROMETHANE (m)

4.23min 0.46PPBV

response 9465

Ion	Exp%	Act%
50.00	100	100
52.00	32.60	27.60
0.00	0.00	0.00
0.00	0.00	0.00

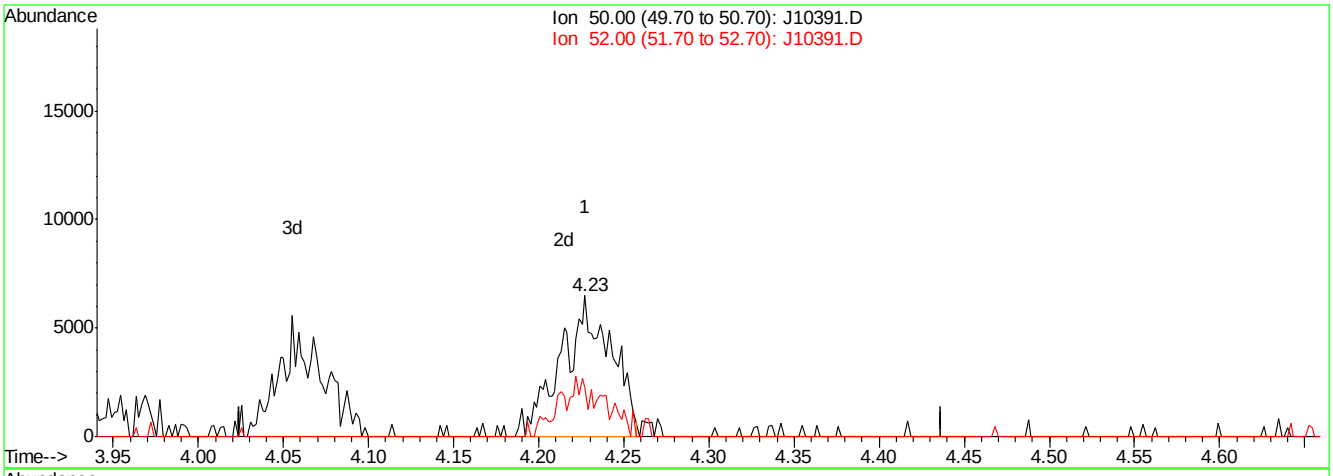
J10391.D J050907T.M Wed May 16 11:06:04 2007

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J10391.D Vial: 16
Acq On : 16 May 2007 10:37 am Operator: PhilipB
Sample : M64809-9dup Inst : MSJ
Misc : MS13551, MSJ537,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 16 11:05:03 2007 Results File: J050907T.RES

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 11:09:51 2007
Response via : Multiple Level Calibration



(5) CHLOROMETHANE (m)

4.23min 0.64PPBV m

response 13048

Ion	Exp%	Act%
50.00	100	100
52.00	32.60	35.22
0.00	0.00	0.00
0.00	0.00	0.00

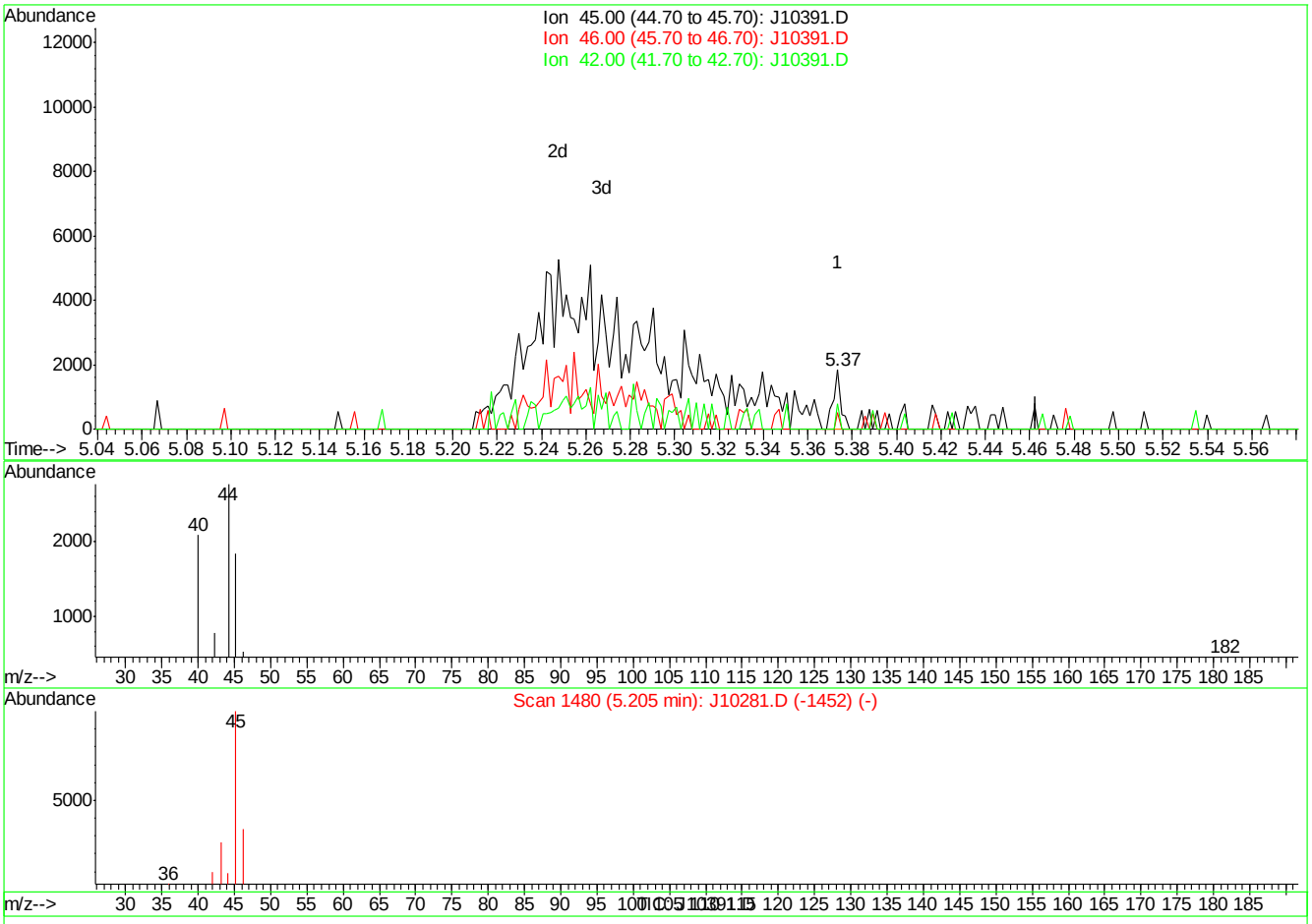
J10391.D J050907T.M Wed May 16 11:06:12 2007

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J10391.D Vial: 16
Acq On : 16 May 2007 10:37 am Operator: PhilipB
Sample : M64809-9dup Inst : MSJ
Misc : MS13551, MSJ537,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 16 11:05:03 2007 Results File: J050907T.RES

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 11:09:51 2007
Response via : Multiple Level Calibration



(16) ETHANOL (m)

5.37min 0.12PPBV

response 451

Ion	Exp%	Act%
45.00	100	100
46.00	14.10	12.42
42.00	2.30	18.18
0.00	0.00	0.00

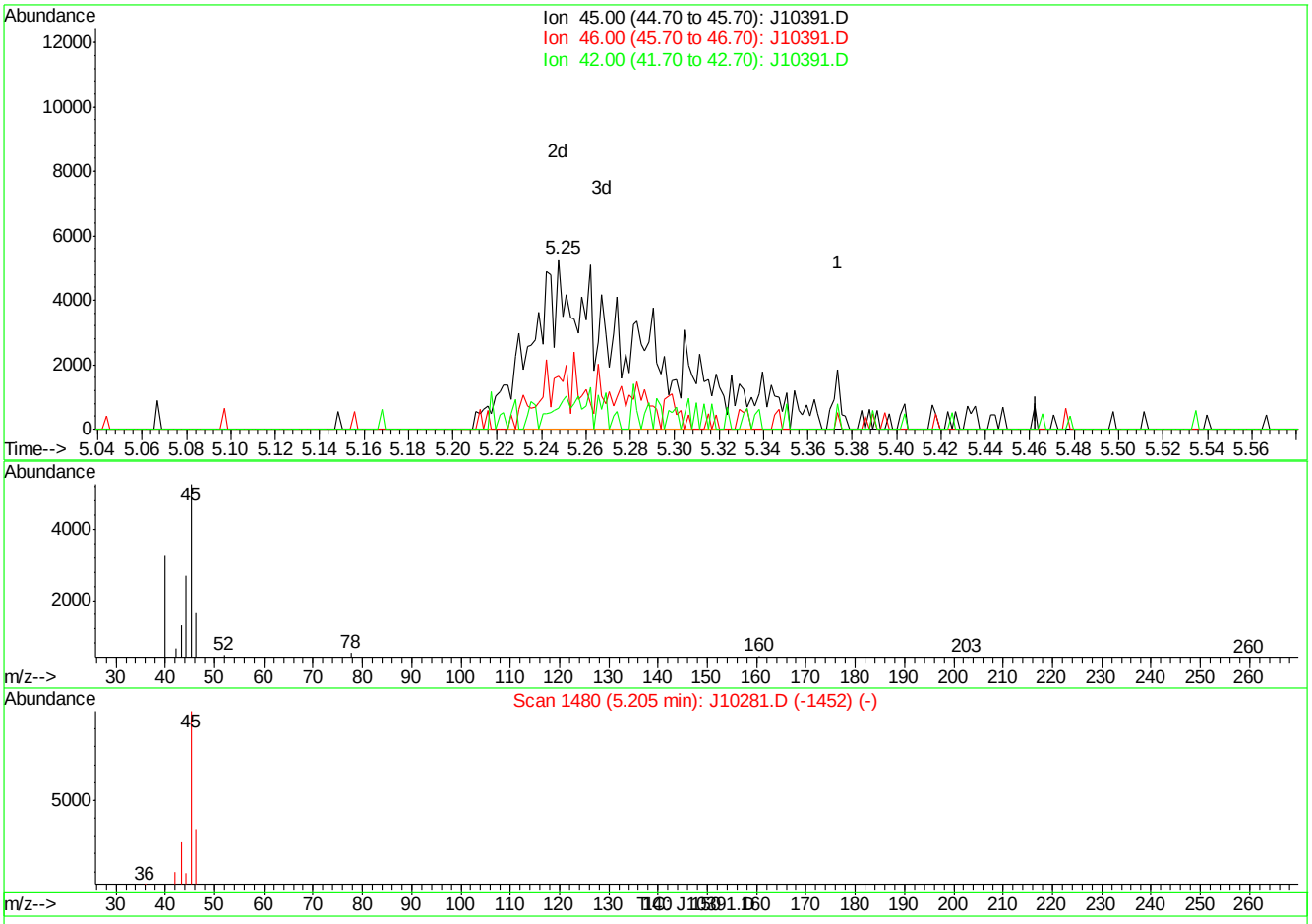
J10391.D J050907T.M Wed May 16 11:06:39 2007

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J10391.D Vial: 16
Acq On : 16 May 2007 10:37 am Operator: PhilipB
Sample : M64809-9dup Inst : MSJ
Misc : MS13551, MSJ537,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 16 11:05:03 2007 Results File: J050907T.RES

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 11:09:51 2007
Response via : Multiple Level Calibration



(16) ETHANOL (m)

5.25min 4.80PPBV m

response 17864

Ion	Exp%	Act%
45.00	100	100
46.00	14.10	0.31
42.00	2.30	0.46
0.00	0.00	0.00

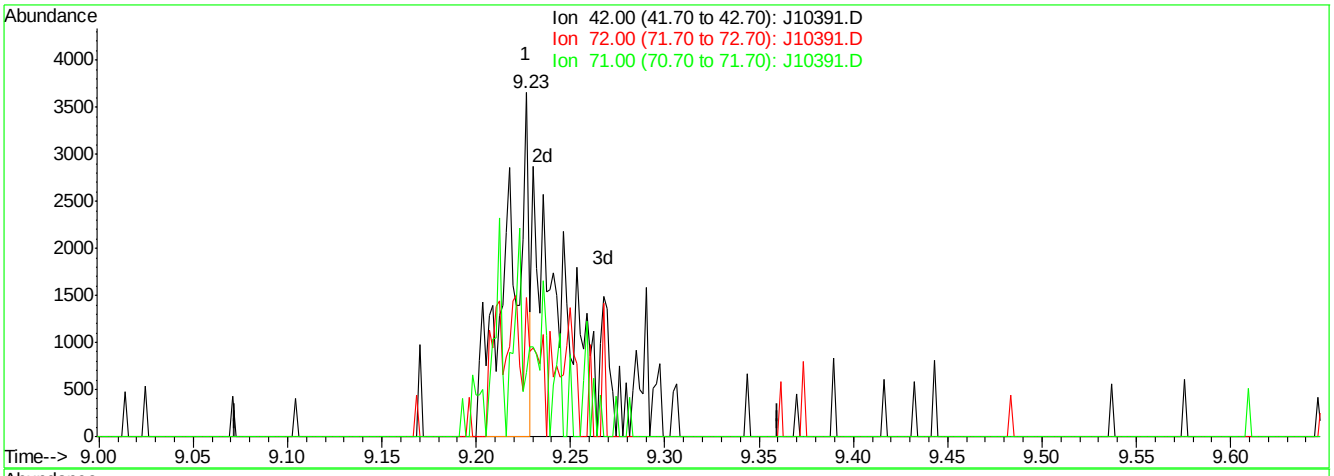
J10391.D J050907T.M Wed May 16 11:06:46 2007

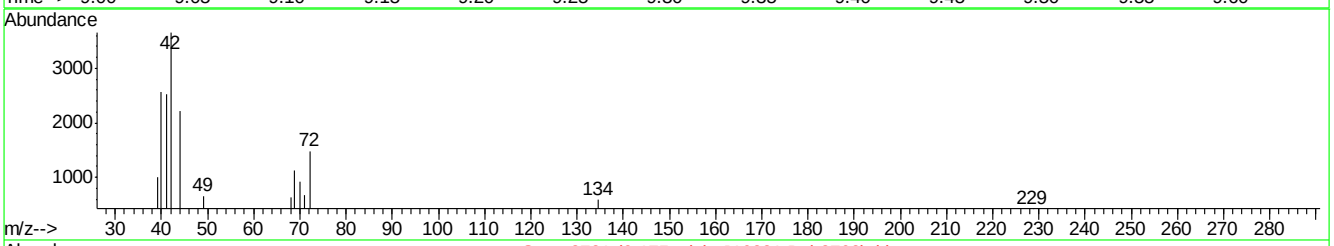
Quantitation Report (Qedit)

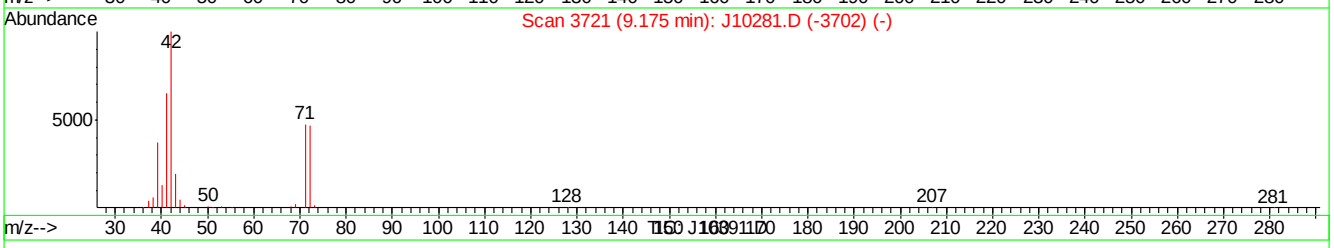
Data File : C:\MSDCHEM\1\DATA\J10391.D Vial: 16
Acq On : 16 May 2007 10:37 am Operator: PhilipB
Sample : M64809-9dup Inst : MSJ
Misc : MS13551, MSJ537,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 16 11:05:03 2007 Results File: J050907T.RES

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 11:09:51 2007
Response via : Multiple Level Calibration







(24) TETRAHYDROFURAN (m)

9.23min 0.20PPBV

response 2714

Ion	Exp%	Act%
42.00	100	100
72.00	51.30	63.26
71.00	52.50	54.79
0.00	0.00	0.00

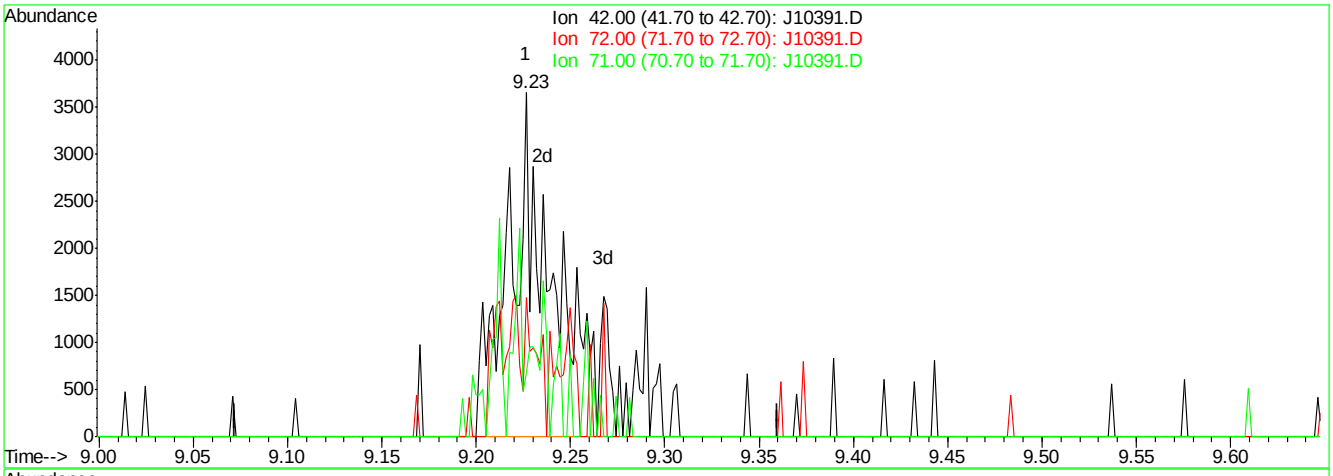
J10391.D J050907T.M Wed May 16 11:07:04 2007

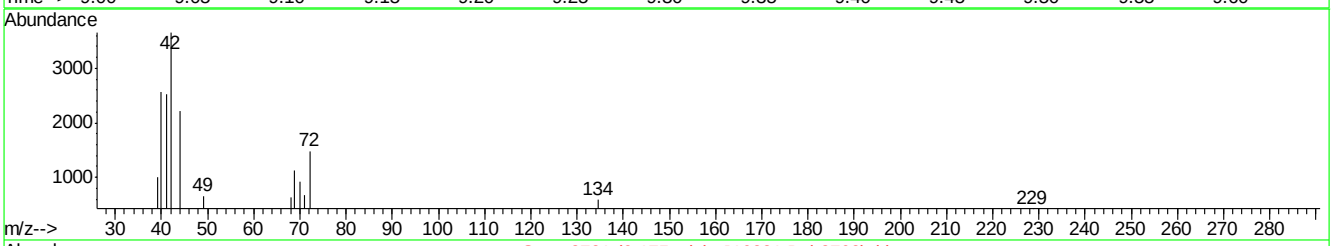
Quantitation Report (Qedit)

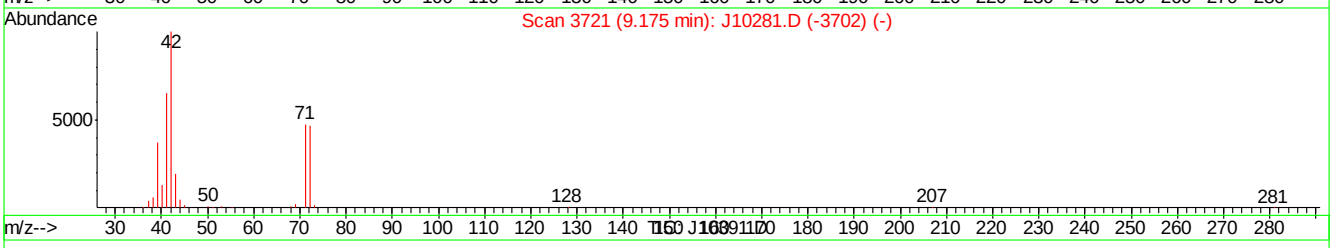
Data File : C:\MSDCHEM\1\DATA\J10391.D Vial: 16
Acq On : 16 May 2007 10:37 am Operator: PhilipB
Sample : M64809-9dup Inst : MSJ
Misc : MS13551, MSJ537,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 16 11:05:03 2007 Results File: J050907T.RES

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 11:09:51 2007
Response via : Multiple Level Calibration







(24) TETRAHYDROFURAN (m)

9.23min 0.46PPBV m

response 6241

Ion	Exp%	Act%
42.00	100	100
72.00	51.30	27.51#
71.00	52.50	23.83#
0.00	0.00	0.00

J10391.D J050907T.M Wed May 16 11:07:10 2007

Manual Integrations
APPROVED
(compounds with "m" flag)
Doug Yargeau
05/15/07 15:14

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\Snapshot\
Data File : Q3367A.D
Acq On : 8 May 2007 3:31 pm
Operator : PhilipB
Sample : M64240-9 (M112)
Misc : MS13508,MSQ183,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 09 13:49:59 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.635	128	170427	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.469	114	692126	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.721	117	540376	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.341	95	189535	4.51	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 90.20%

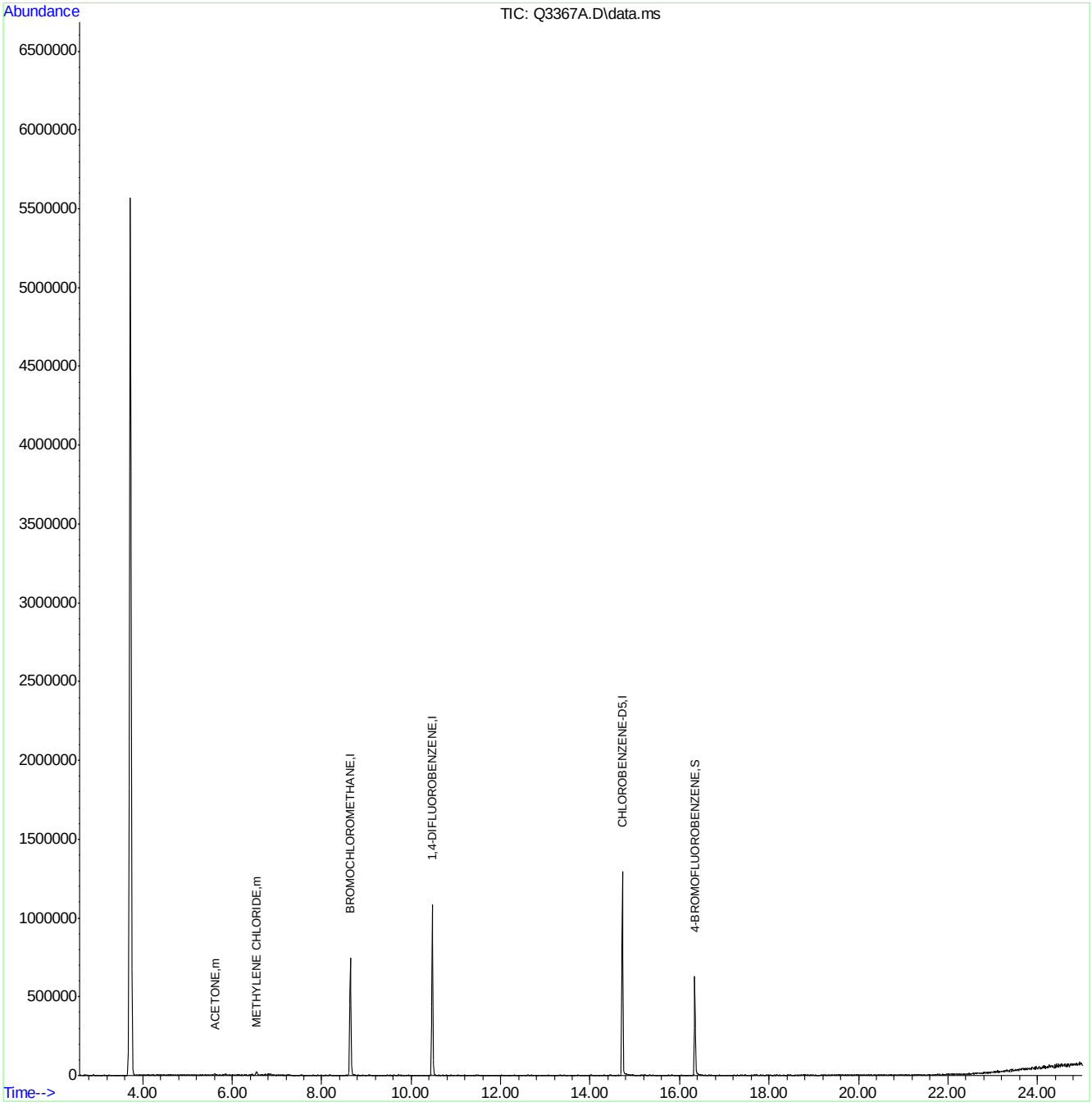
Target Compounds						Qvalue
12) ACETONE	5.606	43	8188	0.82	PPBV	64
18) METHYLENE CHLORIDE	6.552	84	8588m	0.33	PPBV	

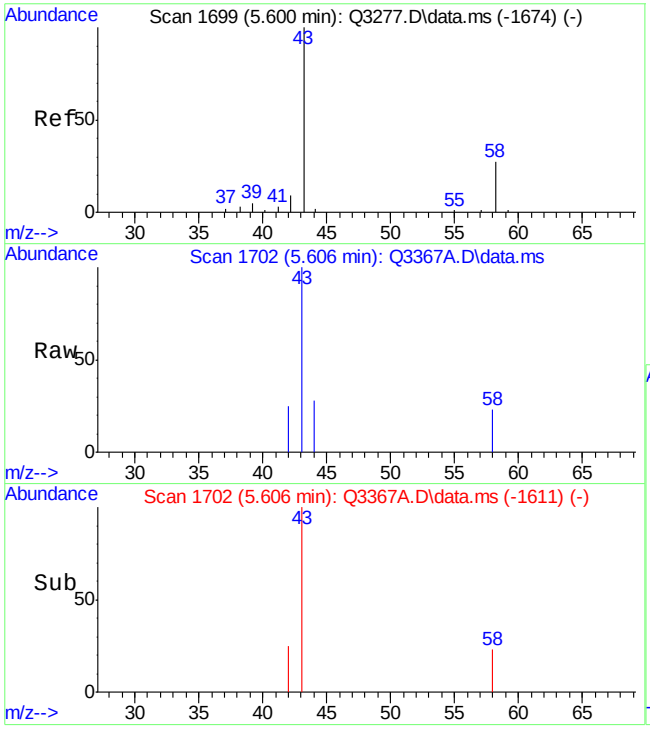
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\Snapshot\
Data File : Q3367A.D
Acq On : 8 May 2007 3:31 pm
Operator : PhilipB
Sample : M64240-9 (M112)
Misc : MS13508,MSQ183,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 09 13:49:59 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration

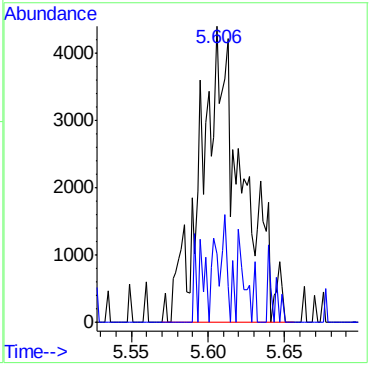


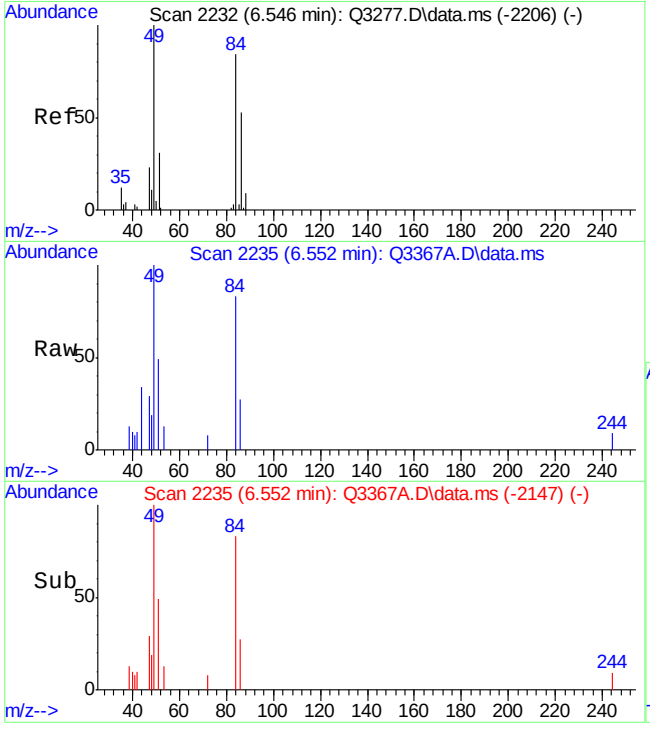


#12
ACETONE
Concen: 0.82 PPBV
RT: 5.606 min Scan# 1702
Delta R.T. 0.006 min
Lab File: Q3367A.D
Acq: 8 May 2007 3:31 pm

Tgt Ion: 43 Resp: 8188

Ion	Ratio	Lower	Upper
43	100		
58	7.2	5.4	45.4

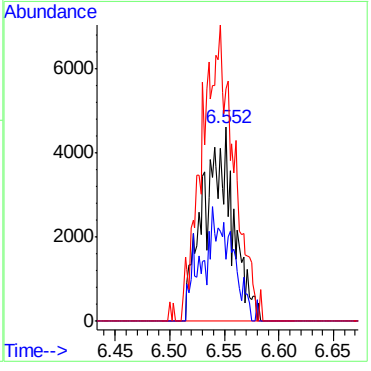




#18
METHYLENE CHLORIDE
Concen: 0.33 PPBV m
RT: 6.552 min Scan# 2235
Delta R.T. 0.006 min
Lab File: Q3367A.D
Acq: 8 May 2007 3:31 pm

Tgt Ion: 84 Resp: 8588

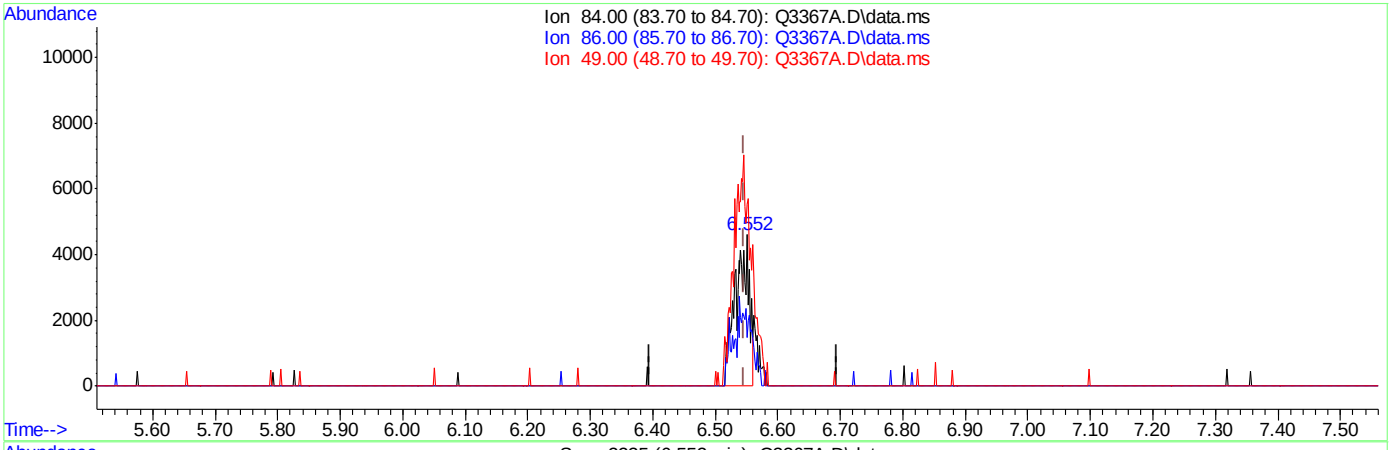
Ion	Ratio	Lower	Upper
84	100		
86	9.2	45.0	85.0#
49	166.2	0.0	318.8

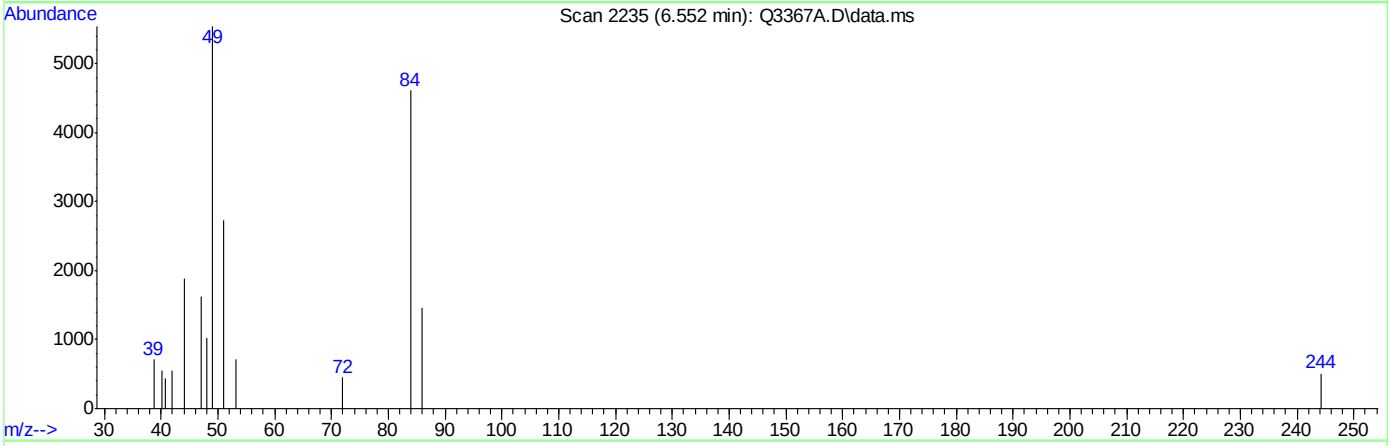


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\Snapshot\
Data File : Q3367A.D
Acq On : 8 May 2007 3:31 pm
Operator : PhilipB
Sample : M64240-9 (M112)
Misc : MS13508,MSQ183,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 09 13:49:04 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration





TIC: Q3367A.D\data.ms

(18) METHYLENE CHLORIDE (m)

6.552min (+0.006) 0.29PPBV

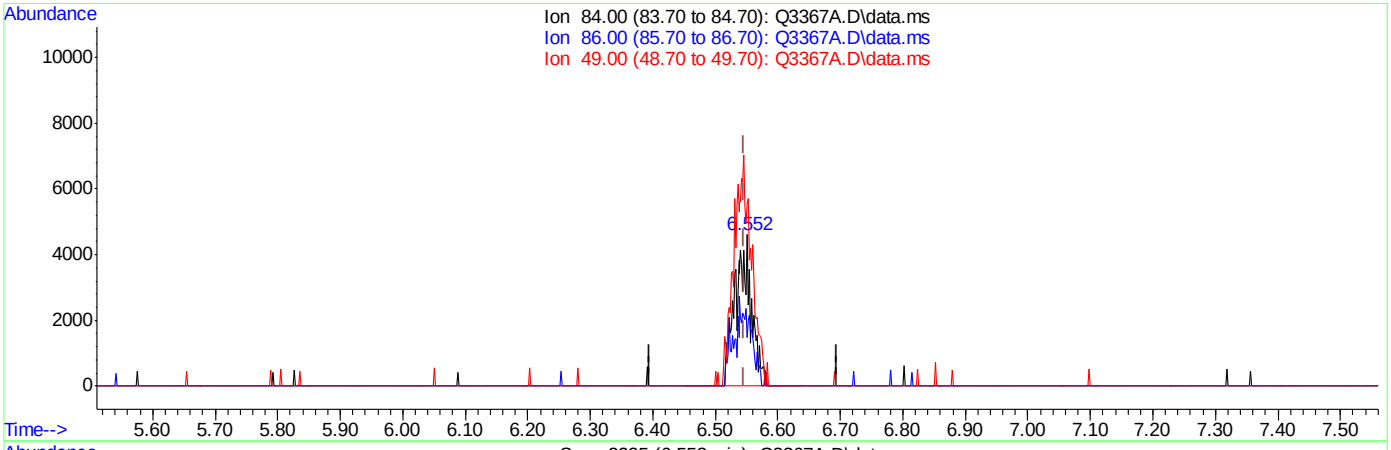
response 7397

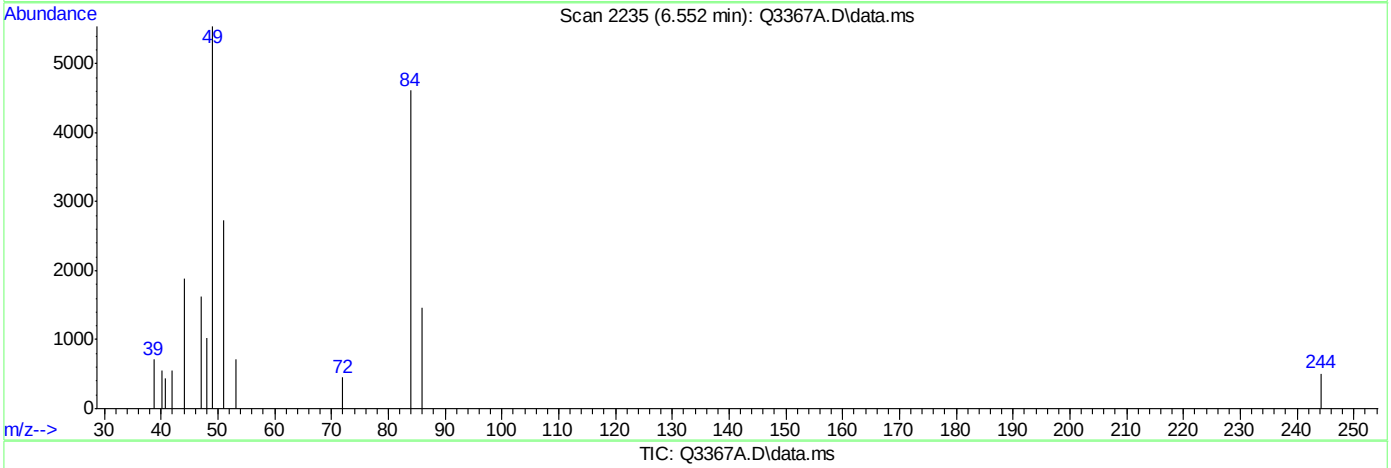
Ion	Exp%	Act%
84.00	100	100
86.00	65.00	10.73#
49.00	118.80	193.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\Snapshot\
Data File : Q3367A.D
Acq On : 8 May 2007 3:31 pm
Operator : PhilipB
Sample : M64240-9 (M112)
Misc : MS13508,MSQ183,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 09 13:49:04 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration





TIC: Q3367A.D\data.ms

(18) METHYLENE CHLORIDE (m)

6.552min (+0.006) 0.33PPBV m

response 8587

Ion	Exp%	Act%
84.00	100	100
86.00	65.00	9.25#
49.00	118.80	166.25
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3371A.D
Acq On : 9 May 2007 12:00 pm
Operator : PhilipB
Sample : CP410 (M032)
Misc : MS13508,MSQ183,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 09 14:01:06 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration

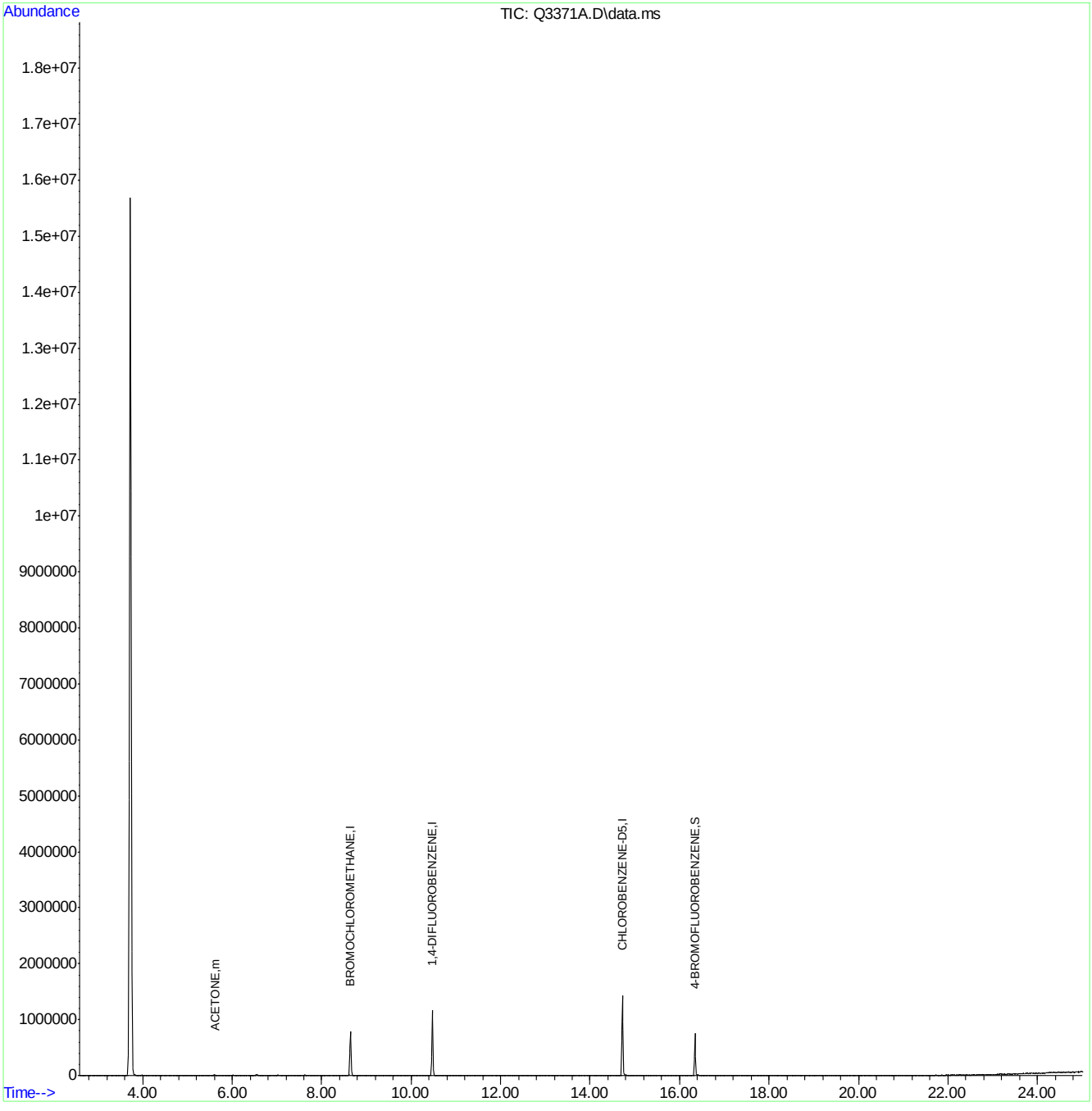
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.639	128	177946	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.469	114	755790	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.723	117	604849	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.343	95	204386	4.35	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 87.00%			
Target Compounds						Qvalue
12) ACETONE	5.615	43	11931	0.93	PPBV	68

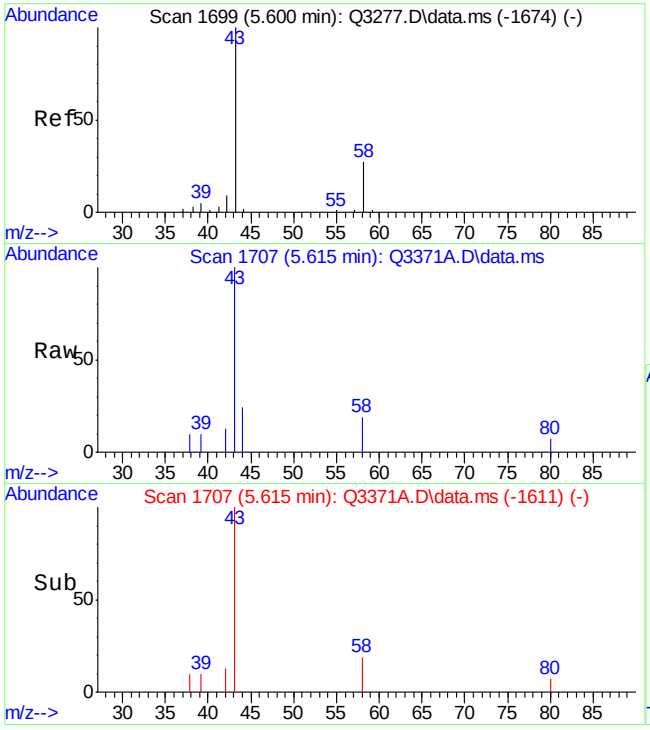
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3371A.D
Acq On : 9 May 2007 12:00 pm
Operator : PhilipB
Sample : CP410 (M032)
Misc : MS13508,MSQ183,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 09 14:01:06 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration

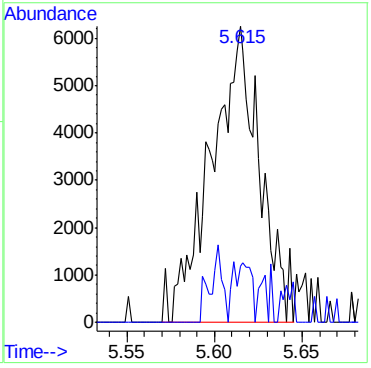




#12
ACETONE
Concen: 0.93 PPBV
RT: 5.615 min Scan# 1707
Delta R.T. 0.015 min
Lab File: Q3371A.D
Acq: 9 May 2007 12:00 pm

Tgt Ion: 43 Resp: 11931

Ion	Ratio	Lower	Upper
43	100		
58	9.2	5.4	45.4



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3375A.D
Acq On : 9 May 2007 6:03 pm
Operator : PhilipB
Sample : M64620-17 (M138)
Misc : MS135358,MSQ184,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 11 09:45:00 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.641	128	176384	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.474	114	717910	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.721	117	580312	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.345	95	183822	4.08	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 81.60%

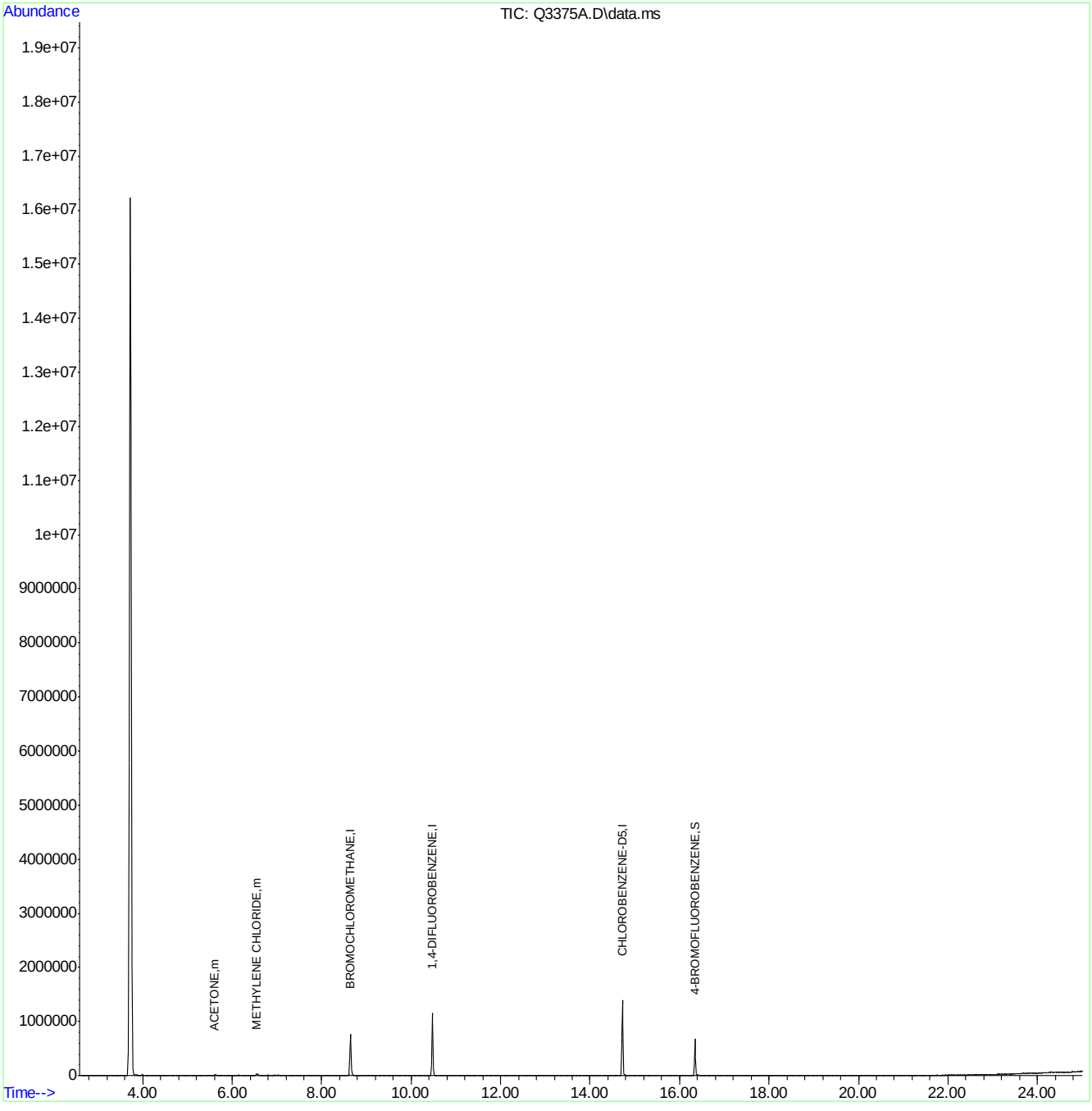
Target Compounds						Qvalue
12) ACETONE	5.607	43	12768	0.96	PPBV	70
18) METHYLENE CHLORIDE	6.545	84	11341	0.43	PPBV #	55

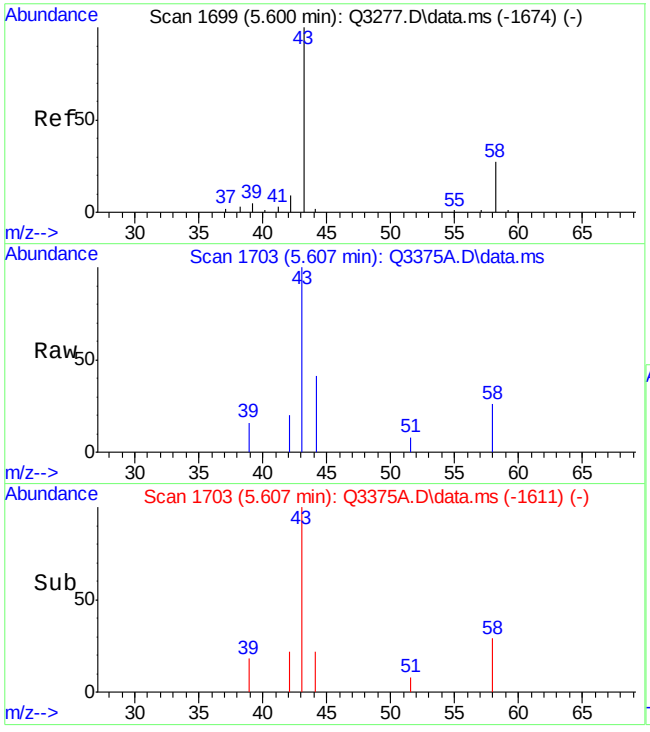
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3375A.D
Acq On : 9 May 2007 6:03 pm
Operator : PhilipB
Sample : M64620-17 (M138)
Misc : MS135358,MSQ184,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 11 09:45:00 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration

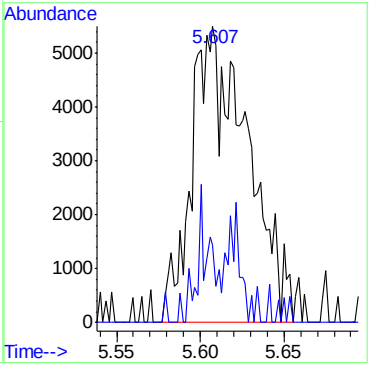


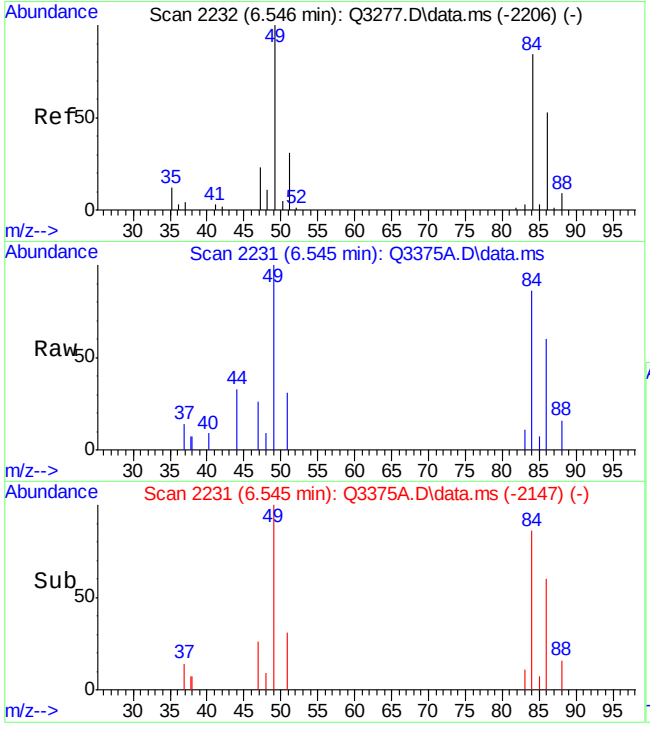


#12
ACETONE
Concen: 0.96 PPBV
RT: 5.607 min Scan# 1703
Delta R.T. 0.007 min
Lab File: Q3375A.D
Acq: 9 May 2007 6:03 pm

Tgt Ion: 43 Resp: 12768

Ion	Ratio	Lower	Upper
43	100		
58	10.3	5.4	45.4

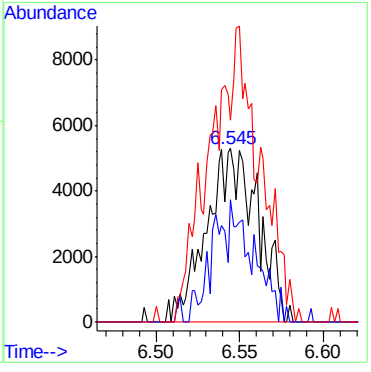




#18
METHYLENE CHLORIDE
Concen: 0.43 PPBV
RT: 6.545 min Scan# 2231
Delta R.T. -0.001 min
Lab File: Q3375A.D
Acq: 9 May 2007 6:03 pm

Tgt Ion: 84 Resp: 11341

Ion	Ratio	Lower	Upper
84	100		
86	23.2	45.0	85.0#
49	164.4	0.0	318.8



Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10288a.D
Acq On : 10 May 2007 12:14 pm
Operator : danat
Sample : M64240-11 (M009)
Misc : MS13434, MSJ533,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 10 14:41:18 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 10 11:09:51 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	381318	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.44	114	1690348	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.67	117	1515608	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.29	95	423304	4.76	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 95.20%

Target Compounds	Qvalue

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

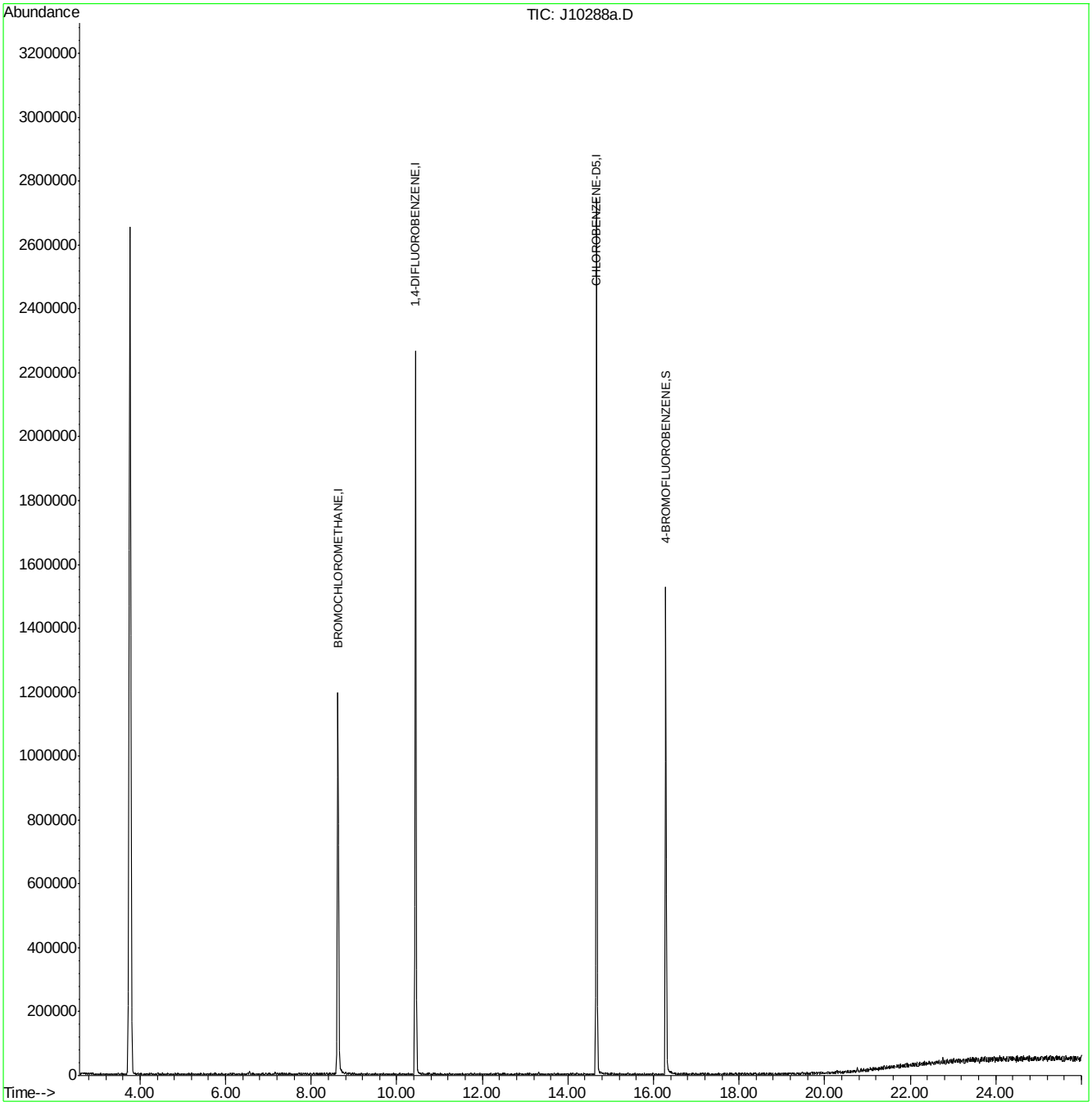
6.5.4

6

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10288a.D
Acq On : 10 May 2007 12:14 pm
Operator : danat
Sample : M64240-11 (M009)
Misc : MS13434, MSJ533,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 10 14:41:18 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 10 11:09:51 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10305.D
Acq On : 11 May 2007 2:21 am
Operator : danat
Sample : M64620-12 (M131)
Misc : MS13540, MSJ533,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 11 09:35:45 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 10 11:09:51 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	308699	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.43	114	1227895	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.67	117	1099290	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.29	95	282153	4.37	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 87.40%

Target Compounds	Qvalue

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

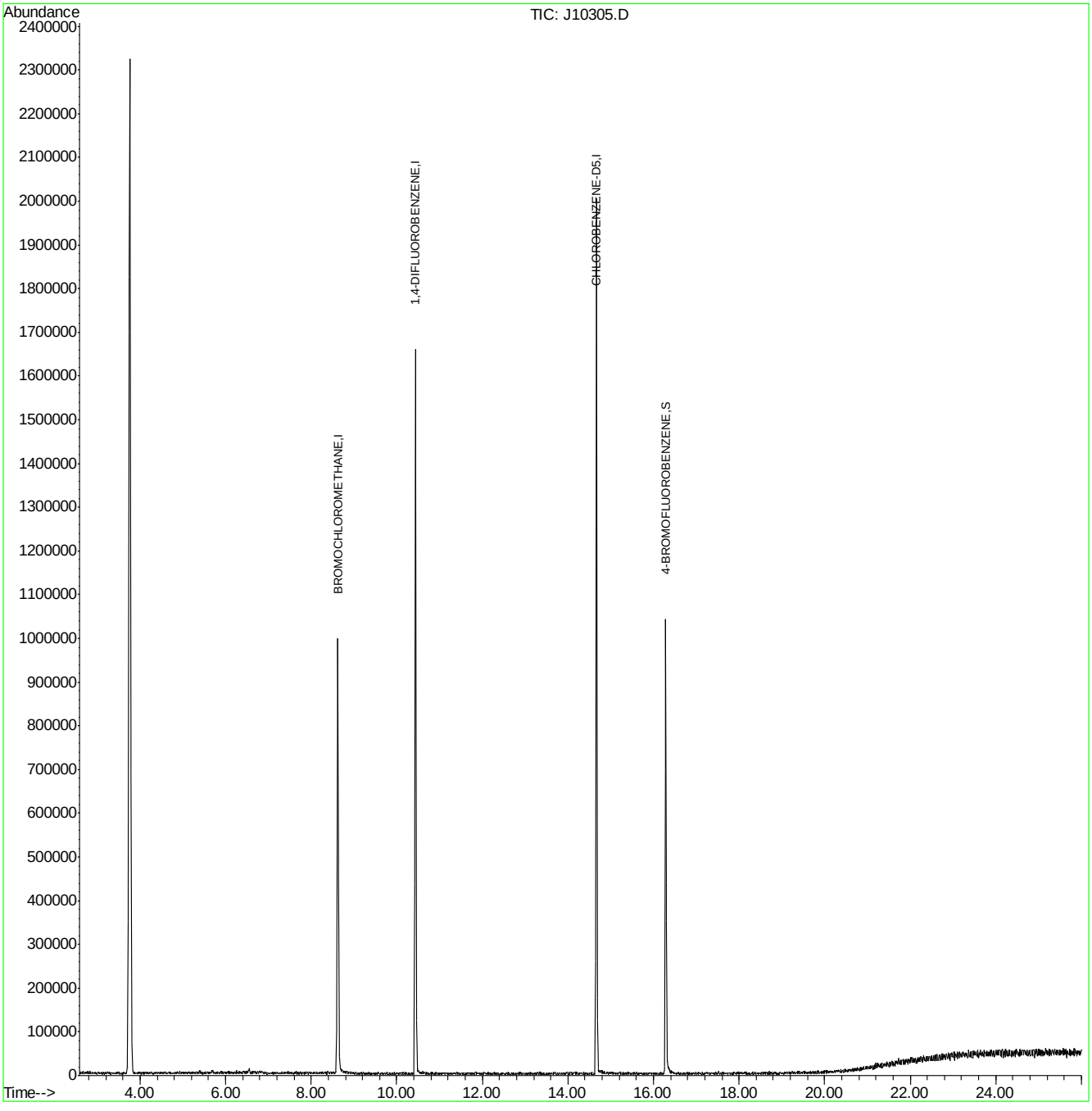
6.5.5

6

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10305.D
Acq On : 11 May 2007 2:21 am
Operator : danat
Sample : M64620-12 (M131)
Misc : MS13540, MSJ533,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 11 09:35:45 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 10 11:09:51 2007
Response via : Initial Calibration



J050907T.M Fri May 11 09:35:53 2007 Page: 2

Manual Integrations APPROVED (compounds with "m" flag)
Philip Bassignani
05/11/07 17:00

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10306.D
Acq On : 11 May 2007 3:06 am
Operator : danat
Sample : M64620-13 (M132)
Misc : MS13540, MSJ533,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 15 09:54:27 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 10 11:09:51 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	361981	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.44	114	1631570	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.67	117	1459024m	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.28	95	393477m	4.60	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 92.00%

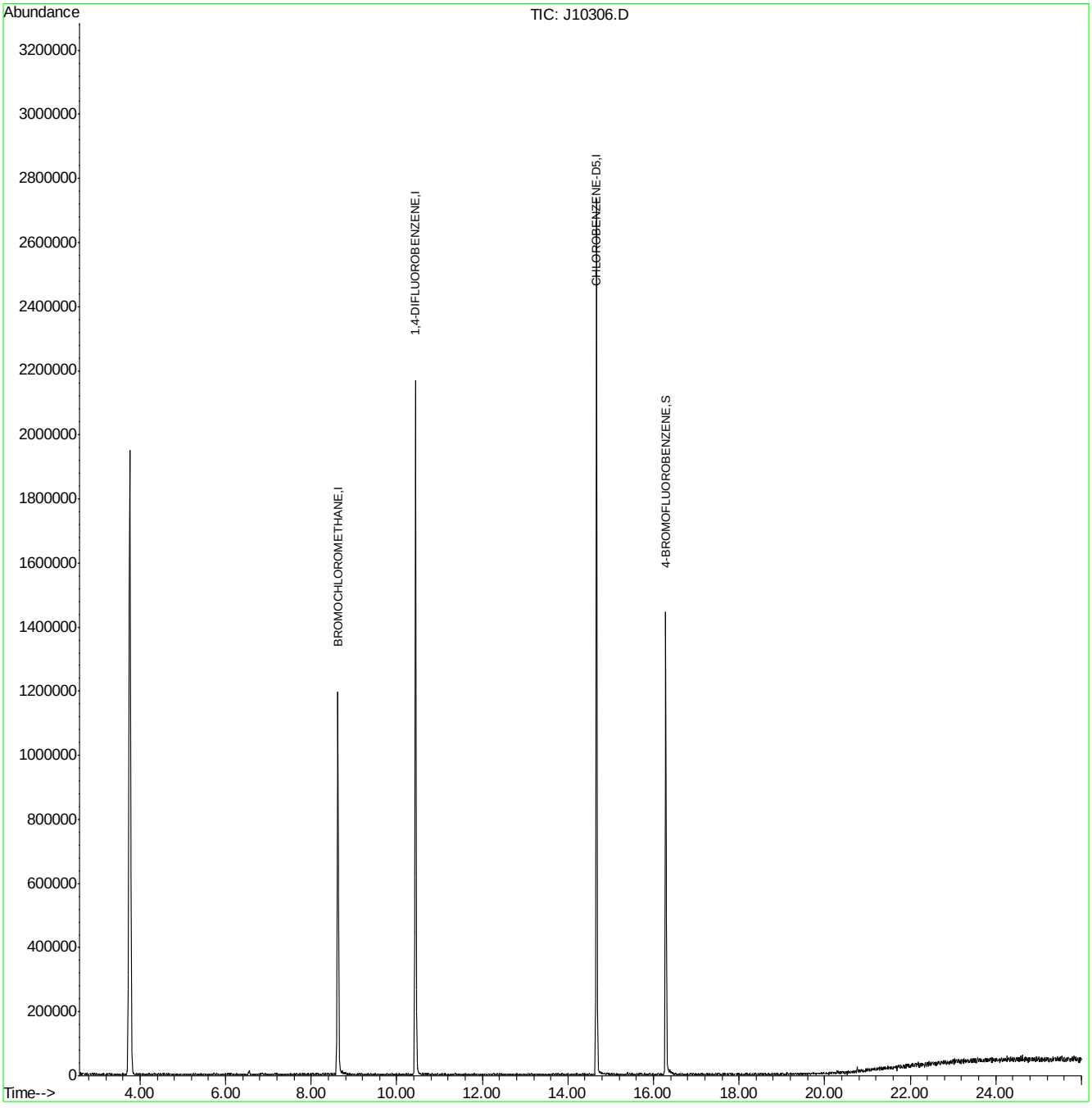
Target Compounds	Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10306.D
Acq On : 11 May 2007 3:06 am
Operator : danat
Sample : M64620-13 (M132)
Misc : MS13540, MSJ533,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 15 09:54:27 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 10 11:09:51 2007
Response via : Initial Calibration

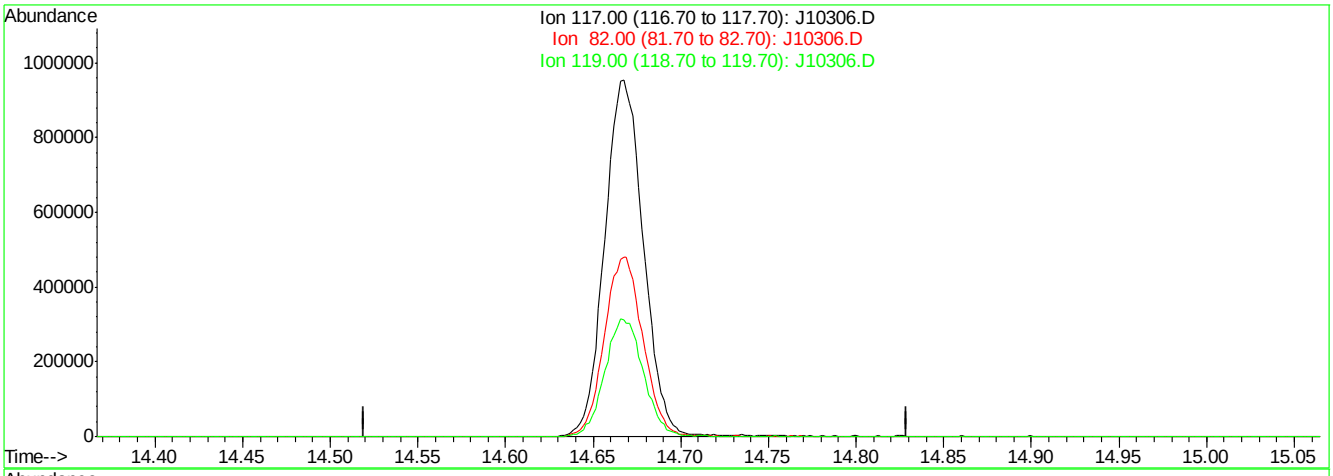


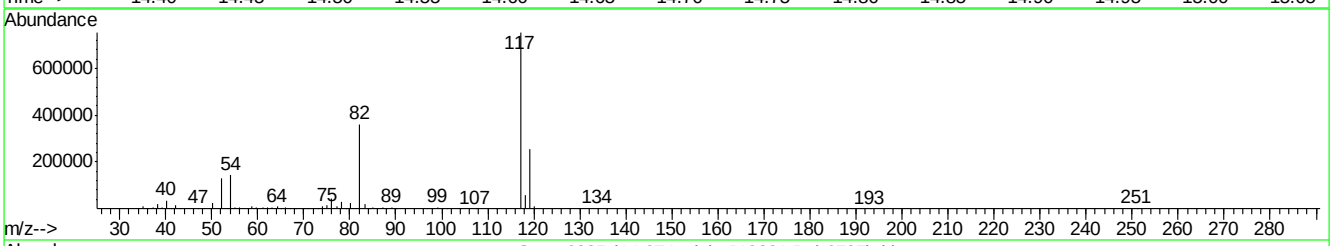
Quantitation Report (Qedit)

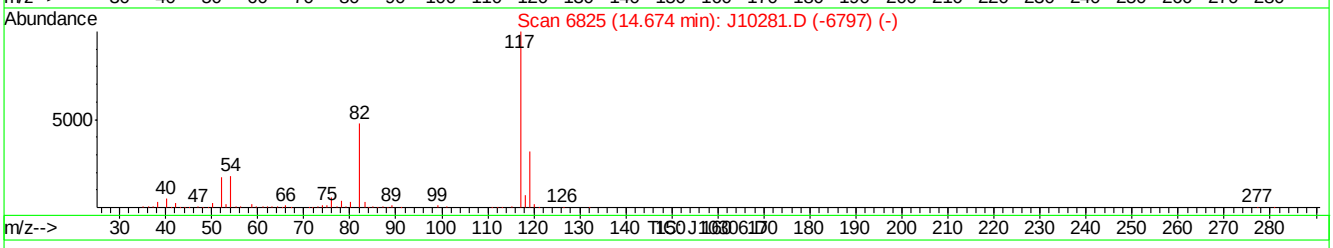
Data File : C:\MSDCHEM\1\DATA\J10306.D Vial: 3
Acq On : 11 May 2007 3:06 am Operator: danat
Sample : M64620-13 (M132) Inst : MSJ
Misc : MS13540, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 11 07:51:20 2007 Results File: J050907T.RES

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 11:09:51 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	49.70	0.00#
119.00	32.40	0.00#
0.00	0.00	0.00

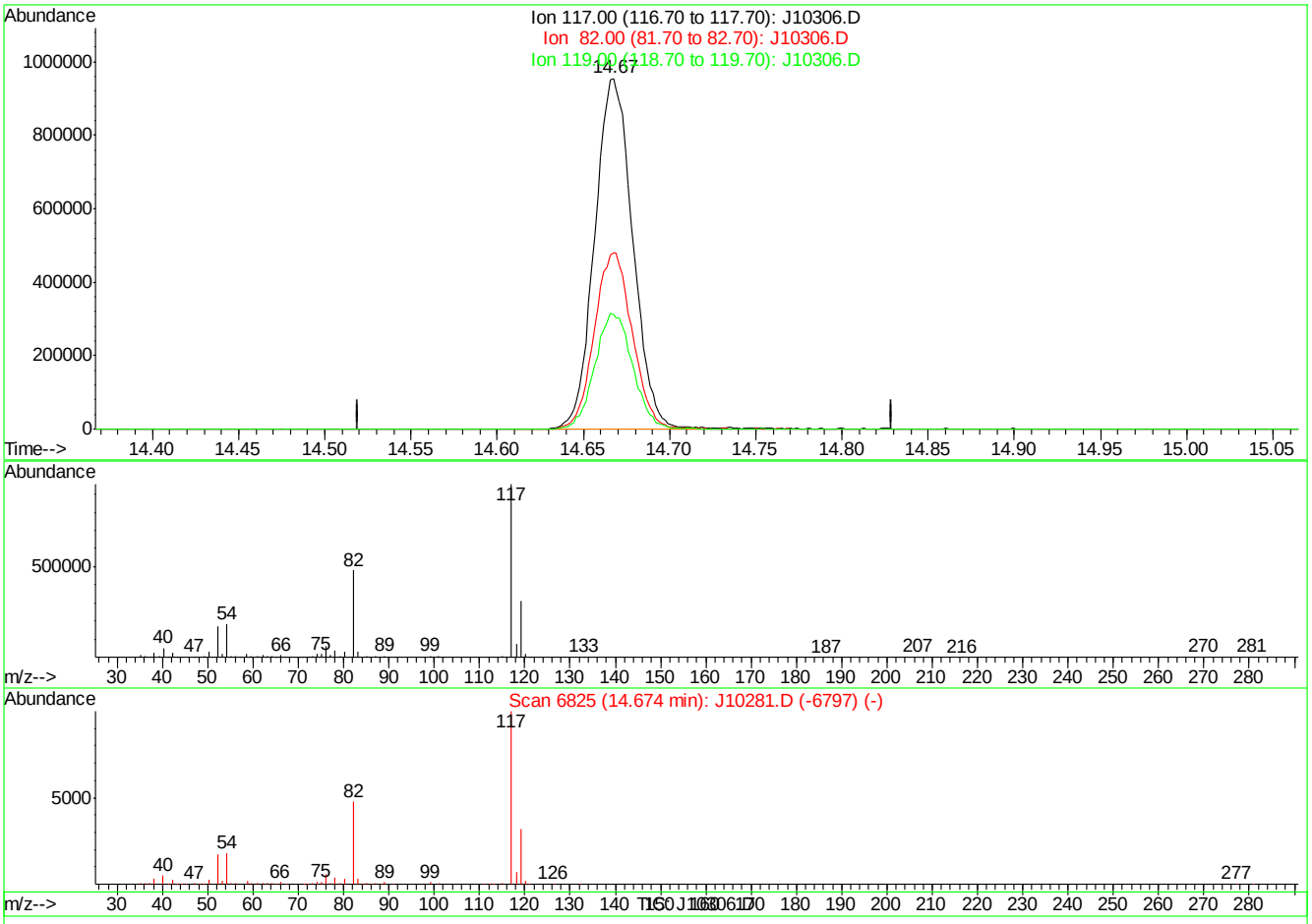
J10306.D J050907T.M Fri May 11 09:36:38 2007

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J10306.D Vial: 3
Acq On : 11 May 2007 3:06 am Operator: danat
Sample : M64620-13 (M132) Inst : MSJ
Misc : MS13540, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 11 07:51:20 2007 Results File: J050907T.RES

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 11:09:51 2007
Response via : Multiple Level Calibration



(49) CHLOROBENZENE-D5 (I)

14.67min 10.00PPBV m

response 1459024

Ion	Exp%	Act%
117.00	100	100
82.00	49.70	0.00#
119.00	32.40	0.00#
0.00	0.00	0.00

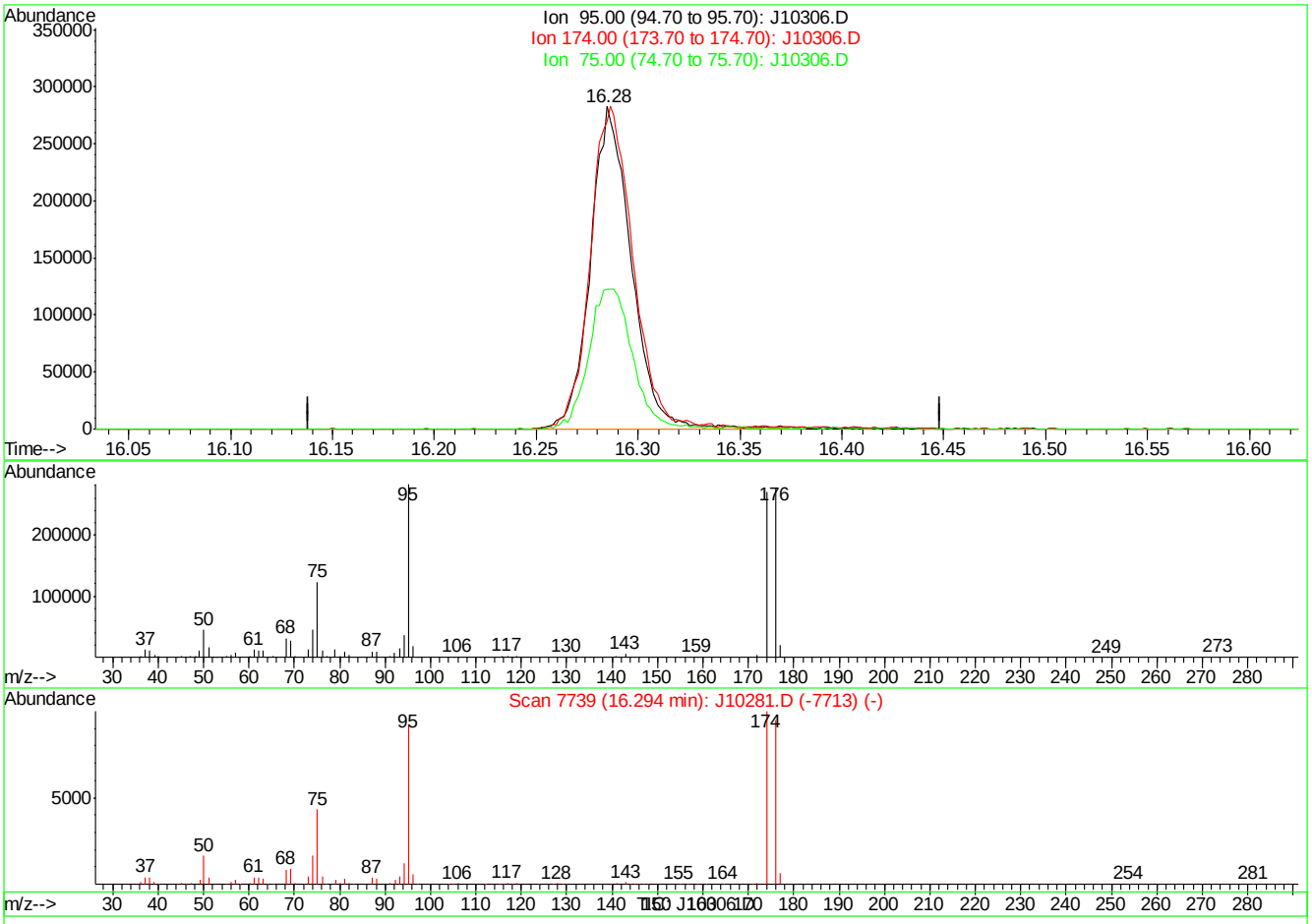
J10306.D J050907T.M Fri May 11 09:36:44 2007

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J10306.D Vial: 3
Acq On : 11 May 2007 3:06 am Operator: danat
Sample : M64620-13 (M132) Inst : MSJ
Misc : MS13540, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 11 07:51:20 2007 Results File: J050907T.RES

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 11:09:51 2007
Response via : Multiple Level Calibration



(61) 4-BROMOFLUOROBENZENE (S)

16.28min 4.63PPBV

response 396735

Ion	Exp%	Act%
95.00	100	100
174.00	106.20	104.53
75.00	47.60	46.53
0.00	0.00	0.00

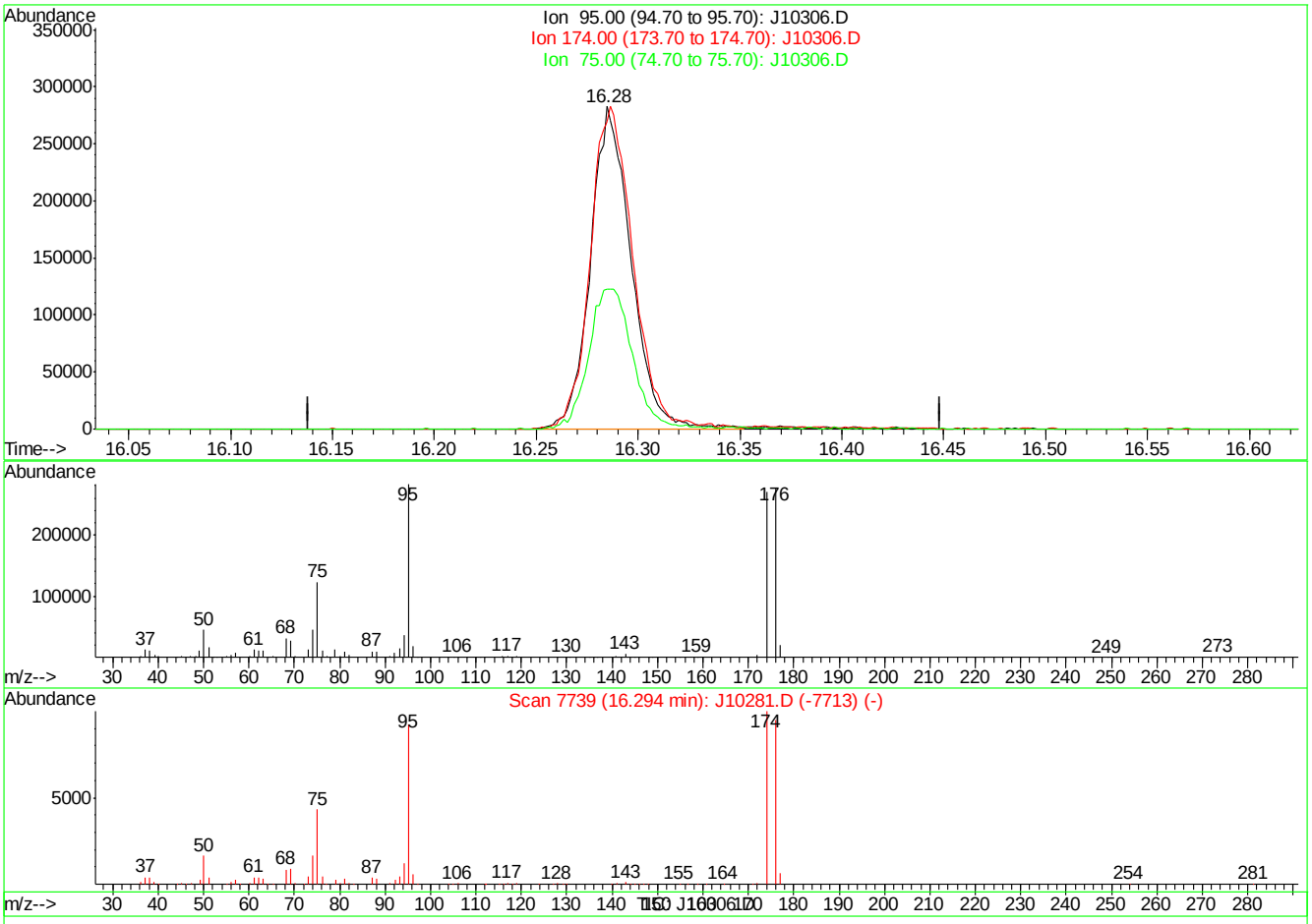
J10306.D J050907T.M Fri May 11 09:36:55 2007

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\J10306.D Vial: 3
Acq On : 11 May 2007 3:06 am Operator: danat
Sample : M64620-13 (M132) Inst : MSJ
Misc : MS13540, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 11 07:51:20 2007 Results File: J050907T.RES

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 11:09:51 2007
Response via : Multiple Level Calibration



(61) 4-BROMOFLUOROBENZENE (S)

16.28min 4.60PPBV m

response 393477

Ion	Exp%	Act%
95.00	100	100
174.00	106.20	105.39
75.00	47.60	46.91
0.00	0.00	0.00

J10306.D J050907T.M Fri May 11 09:37:00 2007

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10307.D
Acq On : 11 May 2007 3:50 am
Operator : danat
Sample : M64620-14 (M069)
Misc : MS13540, MSJ533,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 11 09:38:09 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 10 11:09:51 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	324340	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.44	114	1392533	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.67	117	1253669	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.28	95	328116	4.46	PPBV	-0.01

Spiked Amount 5.000 Range 51 - 142 Recovery = 89.20%

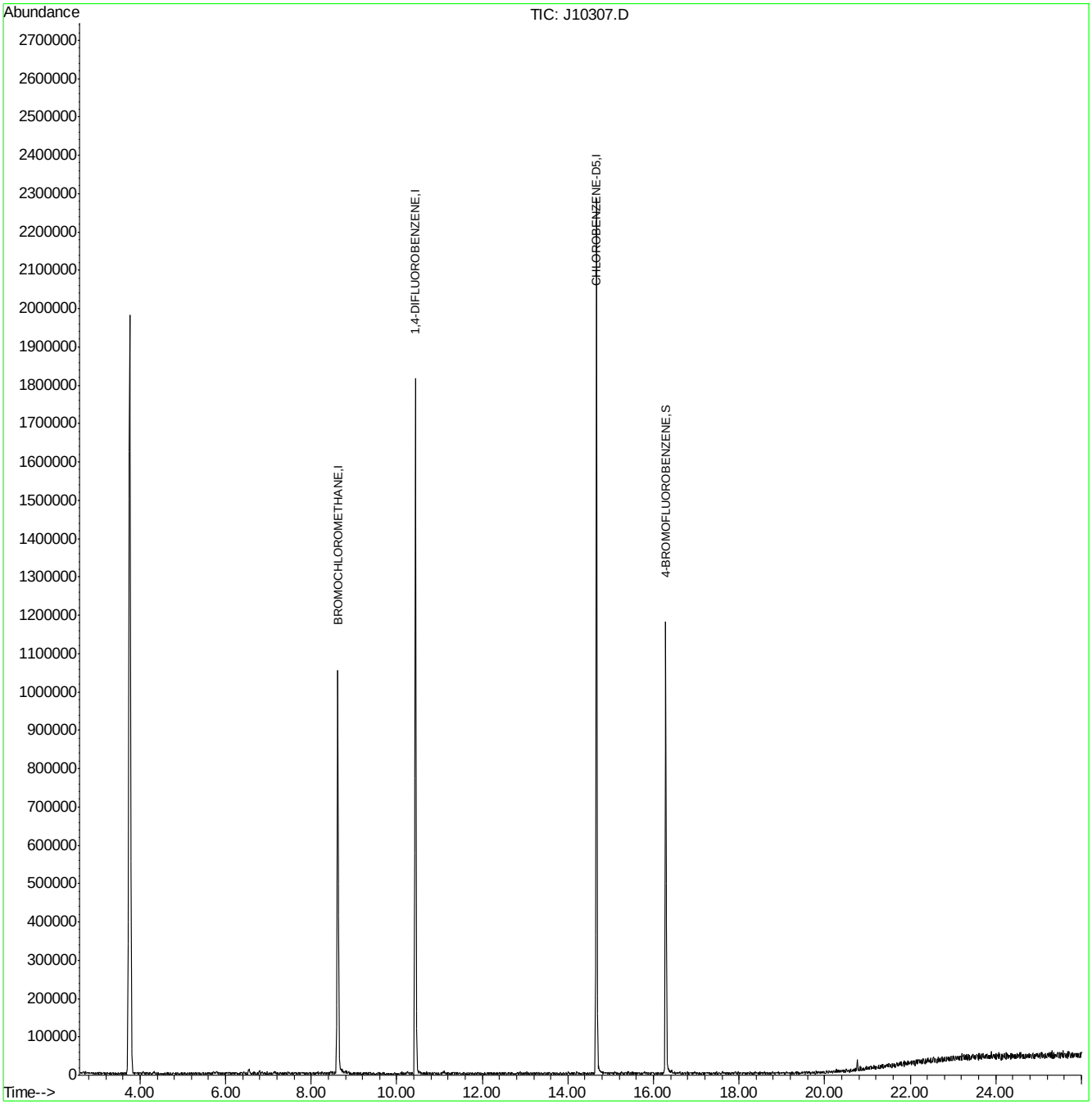
Target Compounds	Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10307.D
Acq On : 11 May 2007 3:50 am
Operator : danat
Sample : M64620-14 (M069)
Misc : MS13540, MSJ533,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 11 09:38:09 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 10 11:09:51 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10309.D
Acq On : 11 May 2007 8:22 am
Operator : danat
Sample : M64620-15 (M073)
Misc : MS13540, MSJ533,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 11 09:40:25 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 10 11:09:51 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	294181	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.44	114	1243989	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.67	117	1158956	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.29	95	300269	4.42	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 88.40%

Target Compounds	Qvalue

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

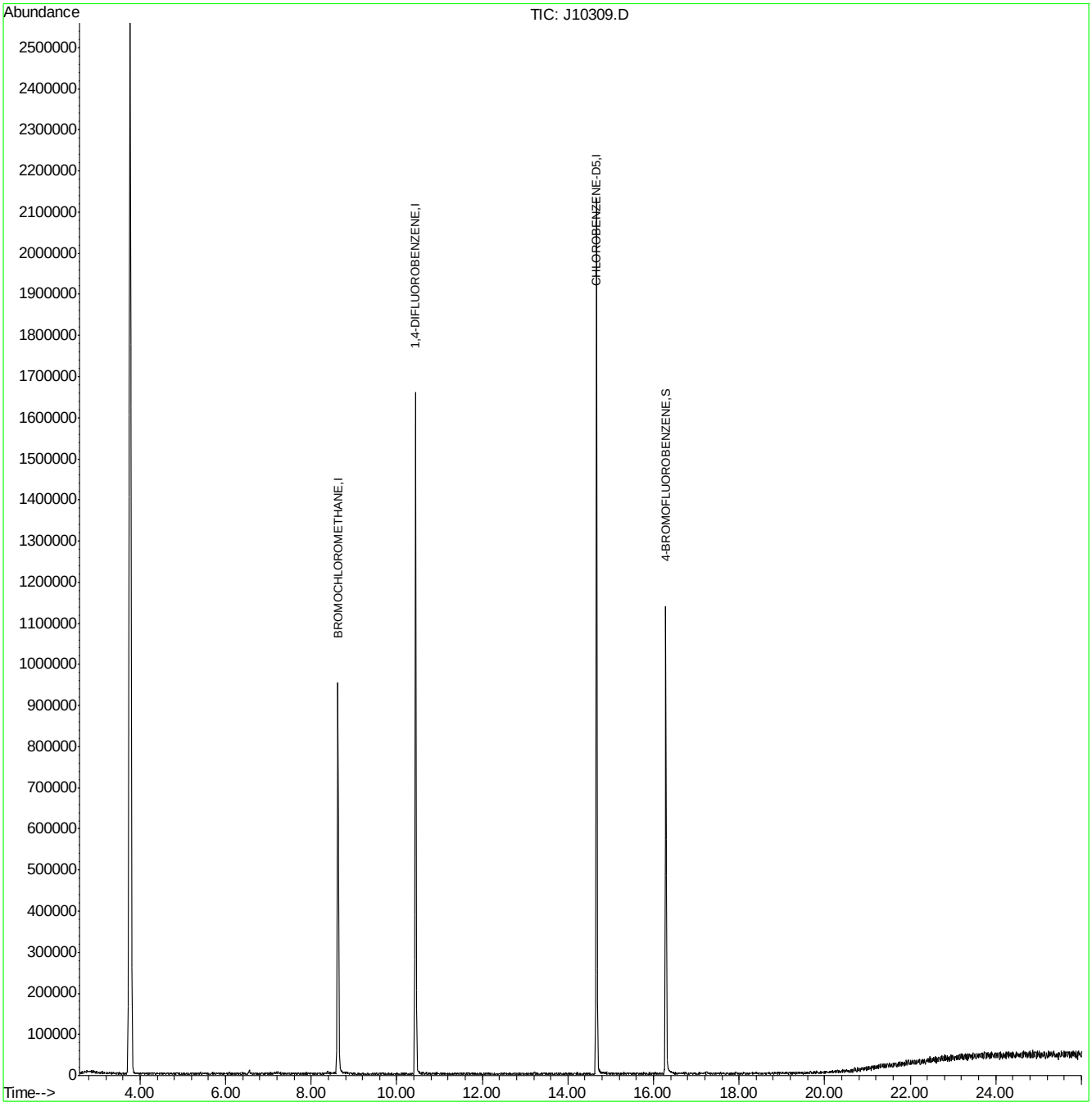
6.5.8

6

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10309.D
Acq On : 11 May 2007 8:22 am
Operator : danat
Sample : M64620-15 (M073)
Misc : MS13540, MSJ533,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 11 09:40:25 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 10 11:09:51 2007
Response via : Initial Calibration



J050907T.M Fri May 11 09:40:33 2007 Page: 2

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10310.D
Acq On : 11 May 2007 9:07 am
Operator : danat
Sample : M64620-16 (M089)
Misc : MS13540, MSJ533,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 11 09:41:18 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 10 11:09:51 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	314379	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.43	114	1255223	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.67	117	1149666	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.29	95	294356	4.36	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 87.20%

Target Compounds	Qvalue

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

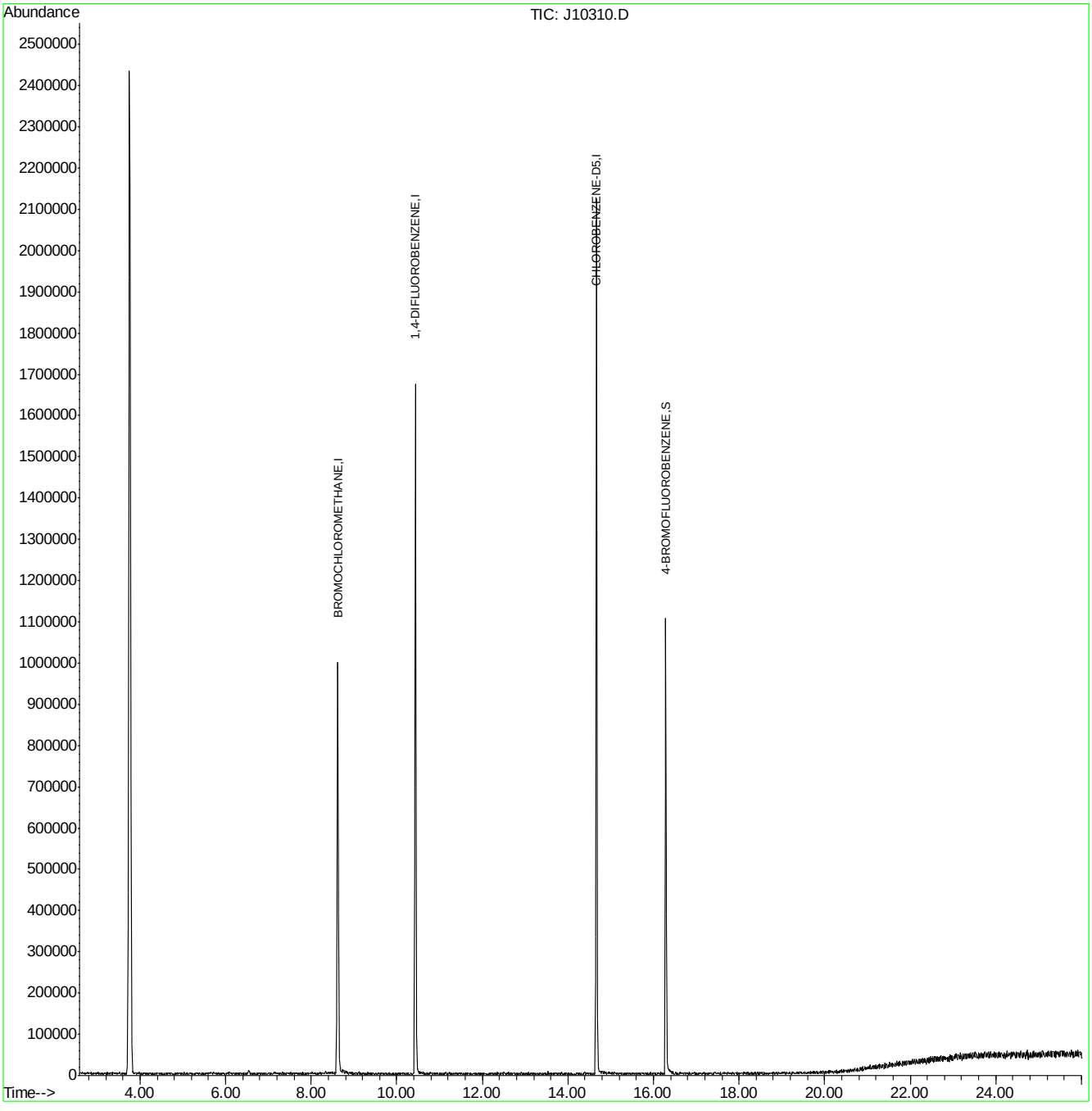
6.5.9

6

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10310.D
Acq On : 11 May 2007 9:07 am
Operator : danat
Sample : M64620-16 (M089)
Misc : MS13540, MSJ533,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 11 09:41:18 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 10 11:09:51 2007
Response via : Initial Calibration



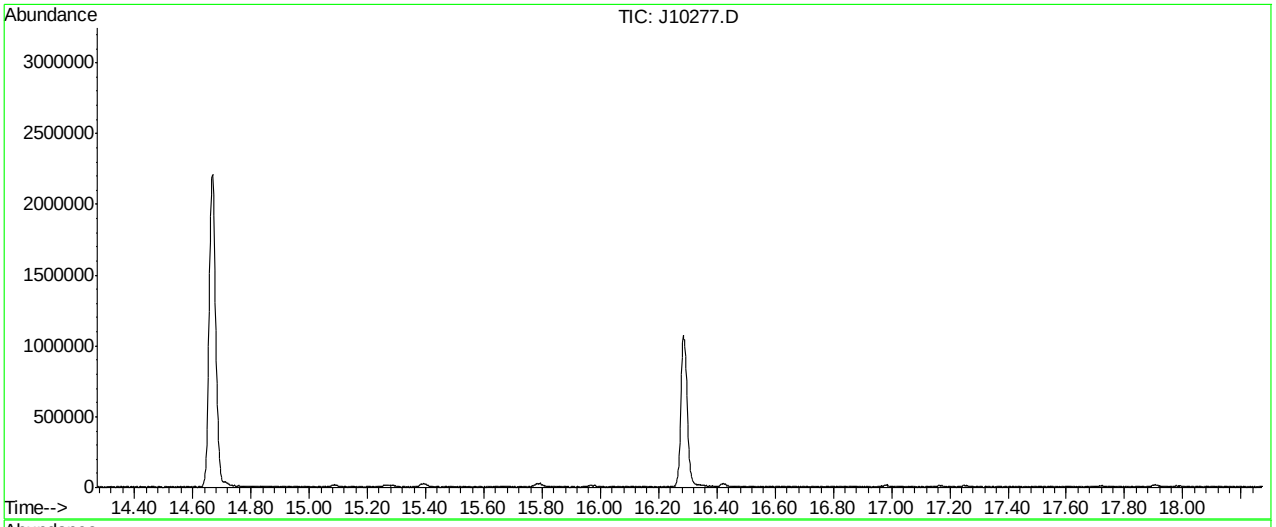
J050907T.M Fri May 11 09:41:26 2007 Page: 2

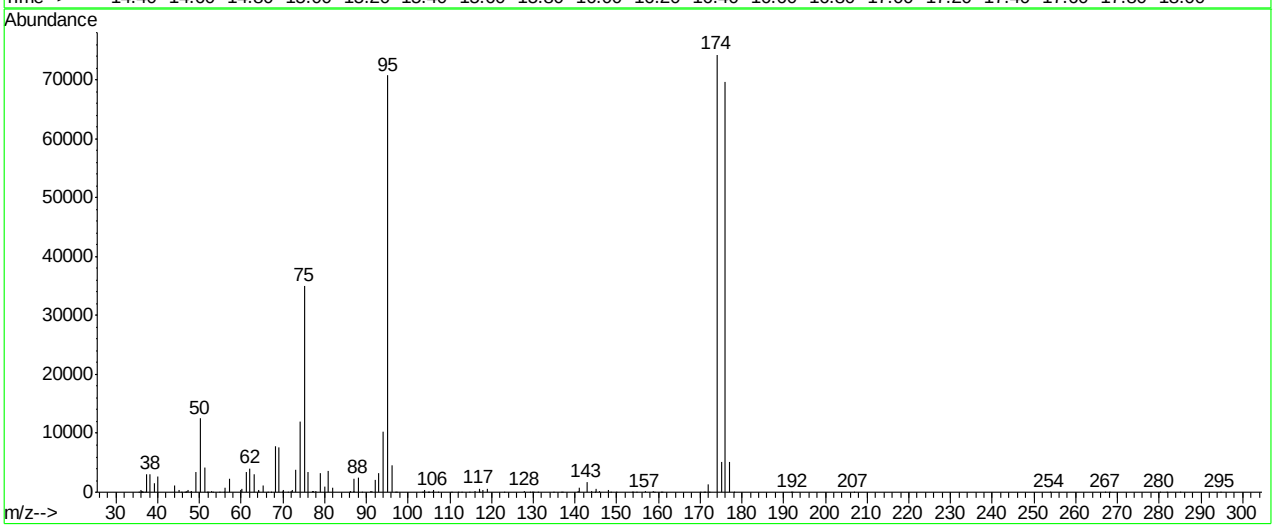
BFB

Data File : C:\MSDChem\1\data\J10277.D
Acq On : 9 May 2007 6:39 pm
Sample : IC533-0.2 (M058)
Misc : MS13434, MSJ533,,,,,1
MS Integration Params: LSCINT.P

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

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um





Spectrum Information: Average of 16.263 to 16.281 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	17.7	12561	PASS
75	95	30	66	49.5	35015	PASS
95	95	100	100	100.0	70793	PASS
96	95	5	9	6.6	4662	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	105.0	74325	PASS
175	174	4	9	6.9	5105	PASS
176	174	93	101	93.8	69706	PASS
177	176	5	9	7.3	5111	PASS

J10277.D J050907T.M Thu May 10 12:01:54 2007

Average of 16.263 to 16.281 min.: J10277.D
IC533-0.2 (M058)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.50	59	40.05	2707	50.15	12561	60.15	636
35.90	54	44.05	1187	51.15	4218	61.15	3432
36.00	73	45.20	443	51.90	42	62.10	4086
36.10	359	45.70	51	52.15	88	63.15	3087
36.20	106	46.40	41	52.85	131	64.05	186
36.30	86	46.80	38	53.20	55	64.25	367
36.50	76	46.95	237	54.90	37	65.15	1110
37.10	86	47.25	436	55.80	47	66.20	45
37.25	2989	47.80	83	56.10	787	67.10	37
38.15	3048	48.15	249	57.10	2251	68.10	7805
39.15	1478	49.15	3504	59.95	433	69.05	7535

Average of 16.263 to 16.281 min.: J10277.D
IC533-0.2 (M058)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
69.80	50	77.35	108	88.90	51	103.70	64
70.00	148	77.90	197	90.95	220	104.05	294
70.15	313	79.00	3245	91.20	107	104.80	44
71.10	52	80.10	925	92.05	2174	105.10	41
71.85	140	80.95	3533	93.05	3251	105.70	87
72.15	355	82.00	848	94.10	10204	106.00	297
73.10	3854	86.00	61	95.10	70793	107.20	43
74.15	11943	86.15	152	96.05	4662	110.30	67
75.10	35015	86.90	283	96.90	41	111.90	50
76.10	3357	87.05	2199	97.20	90	112.90	44
77.00	239	88.05	2442	103.30	48	114.80	80

Average of 16.263 to 16.281 min.: J10277.D
IC533-0.2 (M058)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
116.05	235	134.80	65	148.60	48	170.80	44
117.00	621	136.60	39	149.80	47	171.05	92
117.20	101	137.00	54	153.60	57	171.95	1392
117.90	296	140.75	197	153.90	55	172.30	103
118.95	524	140.95	721	154.80	84	174.00	74325
122.90	38	142.90	1780	156.85	159	175.05	5105
127.90	193	143.90	110	158.75	119	176.00	69706
129.20	45	144.90	88	159.00	36	176.95	5111
129.80	54	145.05	610	160.70	44	178.00	75
130.00	67	145.90	130	160.90	76	191.70	38
131.00	46	147.95	326	170.10	40	192.10	60

Average of 16.263 to 16.281 min.: J10277.D
IC533-0.2 (M058)

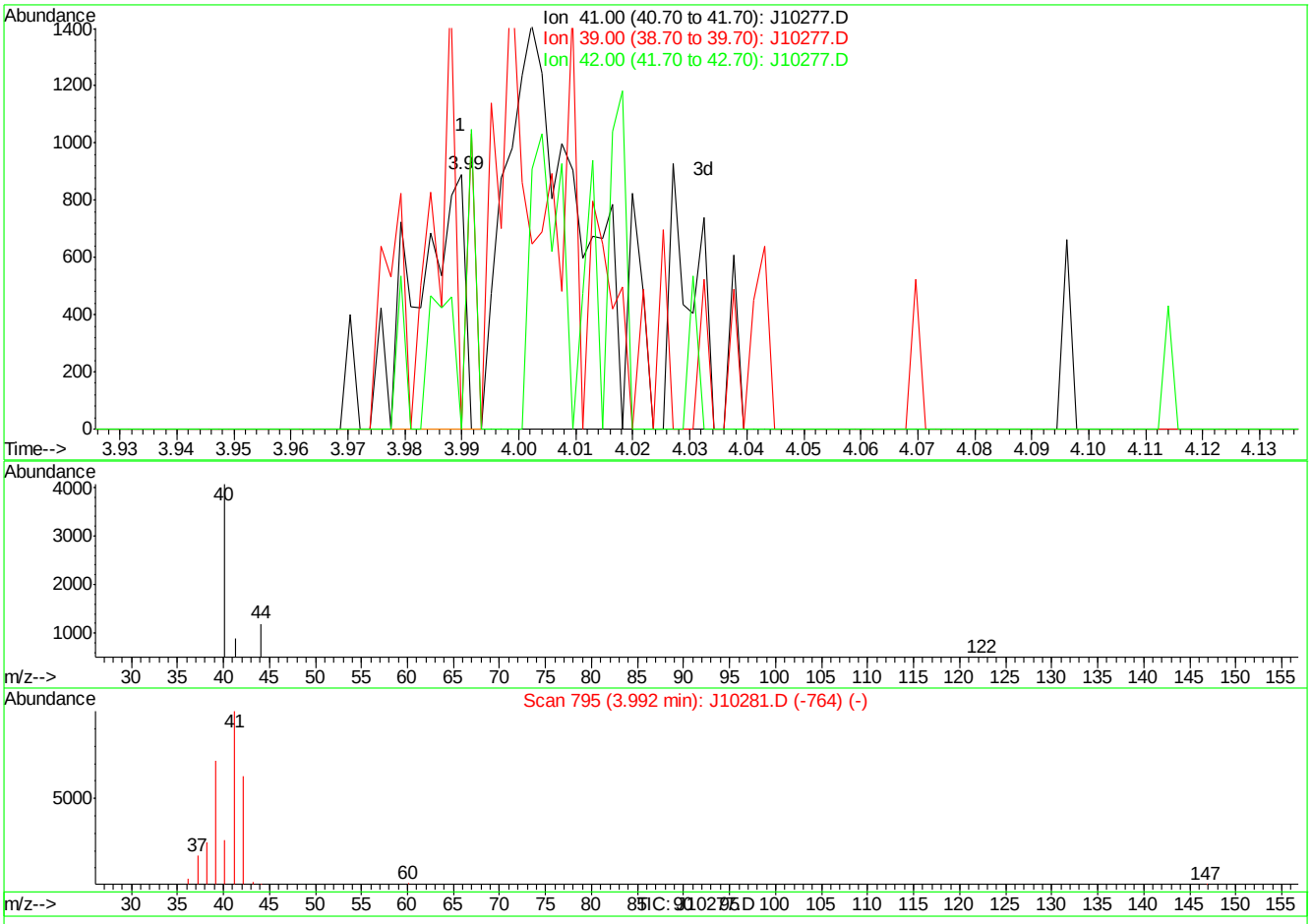
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
206.85	95						
253.80	41						
267.05	91						
268.10	52						
280.20	38						
281.80	38						
284.90	37						
294.70	36						

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10277.D Vial: 2
Acq On : 9 May 2007 6:39 pm Operator: danat
Sample : IC533-0.2 (M058) Inst : MSJ
Misc : MS13434, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 10 08:35:17 2007 Results File: J050907T.RES

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 08:35:02 2007
Response via : Multiple Level Calibration



(3) PROPYLENE (m)

3.99min 0.04PPBV

response 567

Ion	Exp%	Act%
41.00	100	100
39.00	71.40	0.00#
42.00	62.70	0.00#
0.00	0.00	0.00

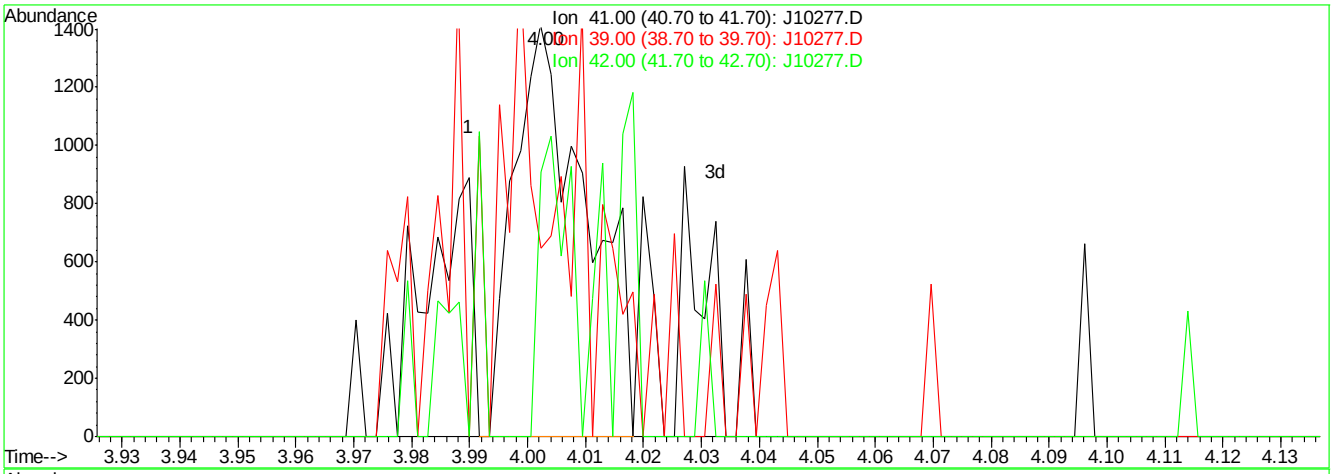
J10277.D J050907T.M Thu May 10 08:35:35 2007

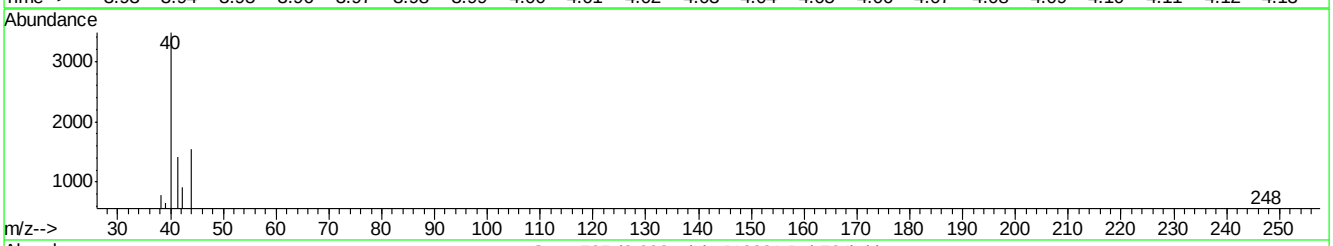
Quantitation Report (Qedit)

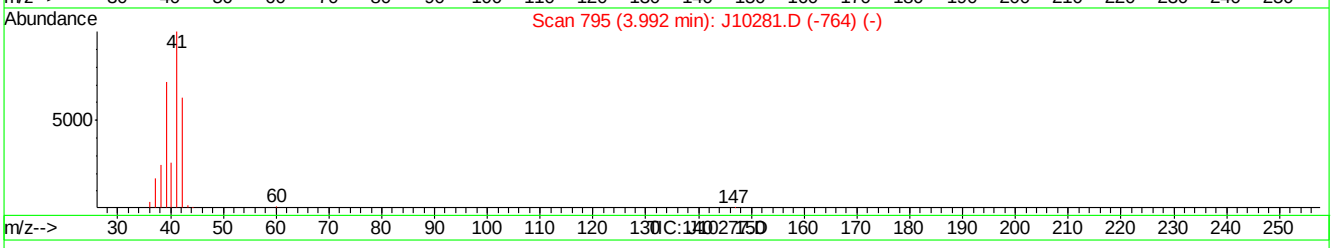
Data File : C:\MSDChem\1\data\J10277.D Vial: 2
Acq On : 9 May 2007 6:39 pm Operator: danat
Sample : IC533-0.2 (M058) Inst : MSJ
Misc : MS13434, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 10 08:35:17 2007 Results File: J050907T.RES

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 08:35:02 2007
Response via : Multiple Level Calibration







(3) PROPYLENE (m)

4.00min 0.09PPBV m

response 1240

Ion	Exp%	Act%
41.00	100	100
39.00	71.40	45.77#
42.00	62.70	64.25
0.00	0.00	0.00

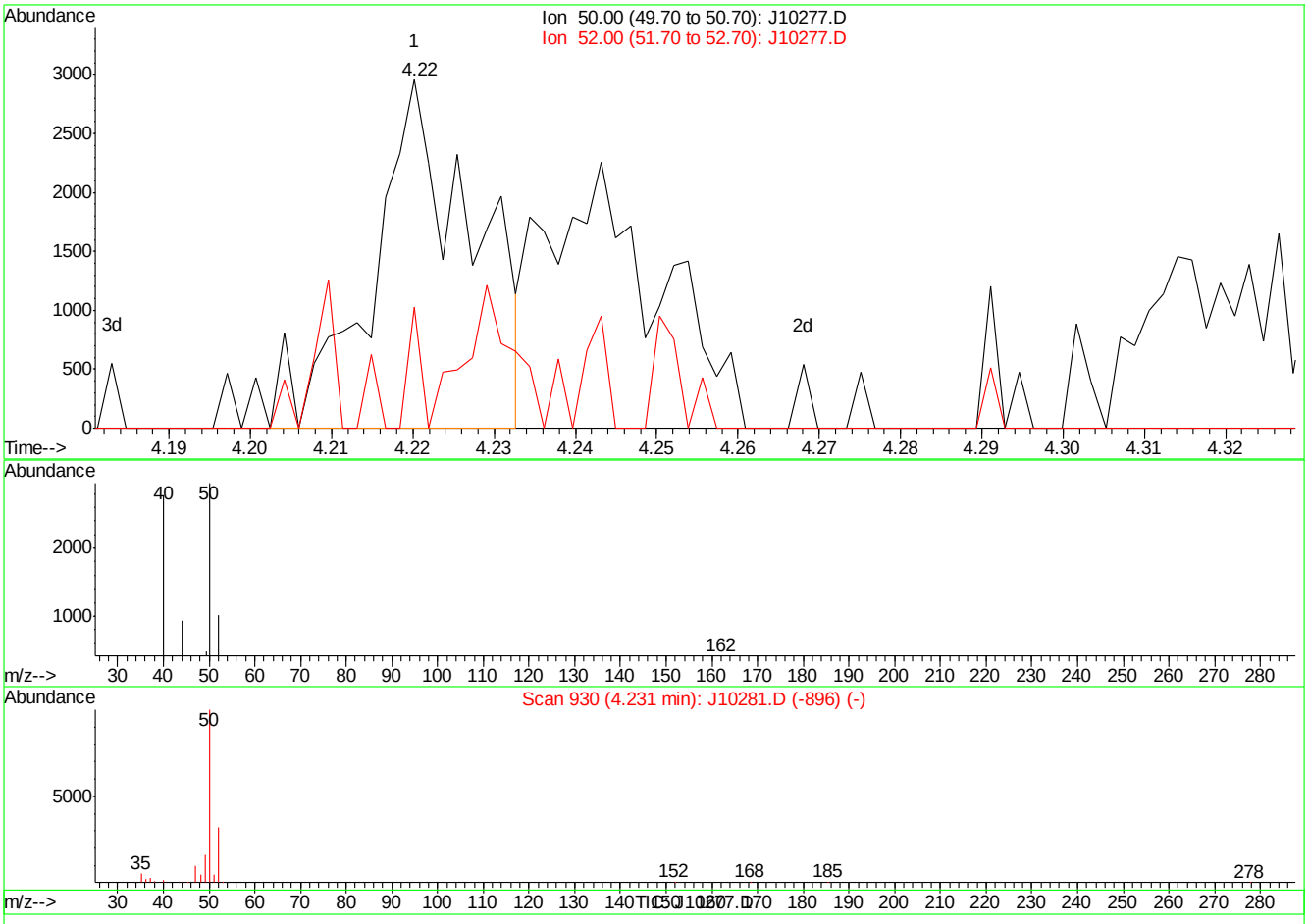
J10277.D J050907T.M Thu May 10 08:35:44 2007

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10277.D Vial: 2
Acq On : 9 May 2007 6:39 pm Operator: danat
Sample : IC533-0.2 (M058) Inst : MSJ
Misc : MS13434, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 10 08:35:17 2007 Results File: J050907T.RES

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 08:35:02 2007
Response via : Multiple Level Calibration



(5) CHLOROMETHANE (m)

4.22min 0.12PPBV

response 2652

Ion	Exp%	Act%
50.00	100	100
52.00	32.60	29.05
0.00	0.00	0.00
0.00	0.00	0.00

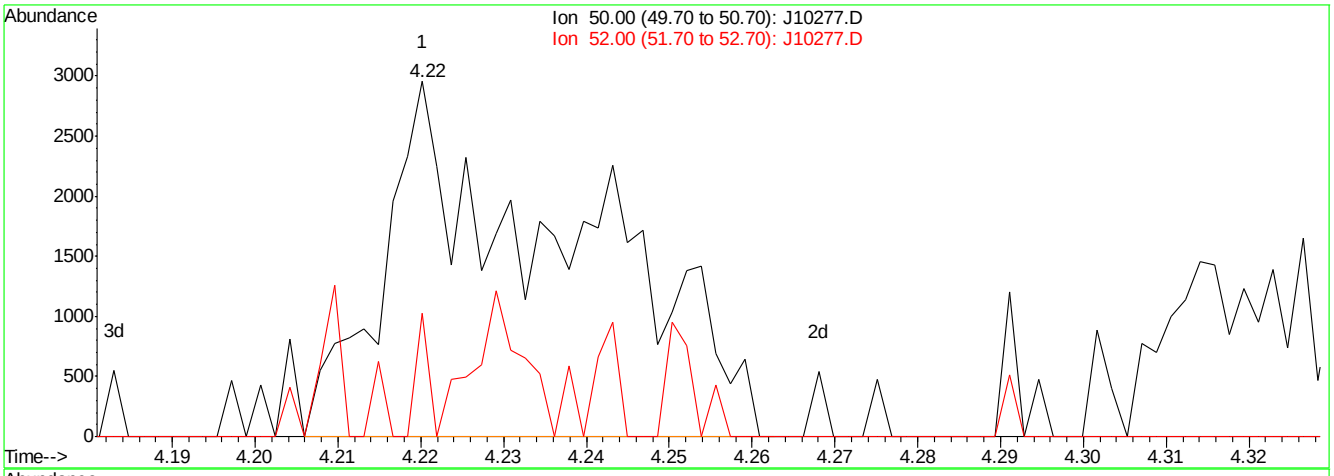
J10277.D J050907T.M Thu May 10 08:35:58 2007

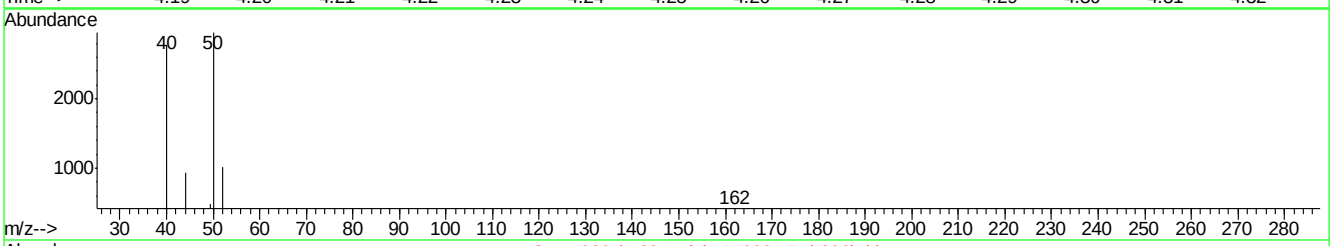
Quantitation Report (Qedit)

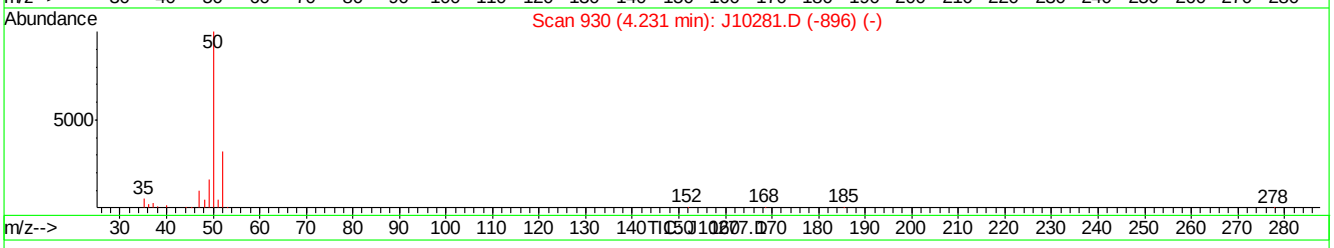
Data File : C:\MSDChem\1\data\J10277.D Vial: 2
Acq On : 9 May 2007 6:39 pm Operator: danat
Sample : IC533-0.2 (M058) Inst : MSJ
Misc : MS13434, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 10 08:35:17 2007 Results File: J050907T.RES

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 08:35:02 2007
Response via : Multiple Level Calibration







(5) CHLOROMETHANE (m)

4.22min 0.21PPBV m

response 4633

Ion	Exp%	Act%
50.00	100	100
52.00	32.60	34.59
0.00	0.00	0.00
0.00	0.00	0.00

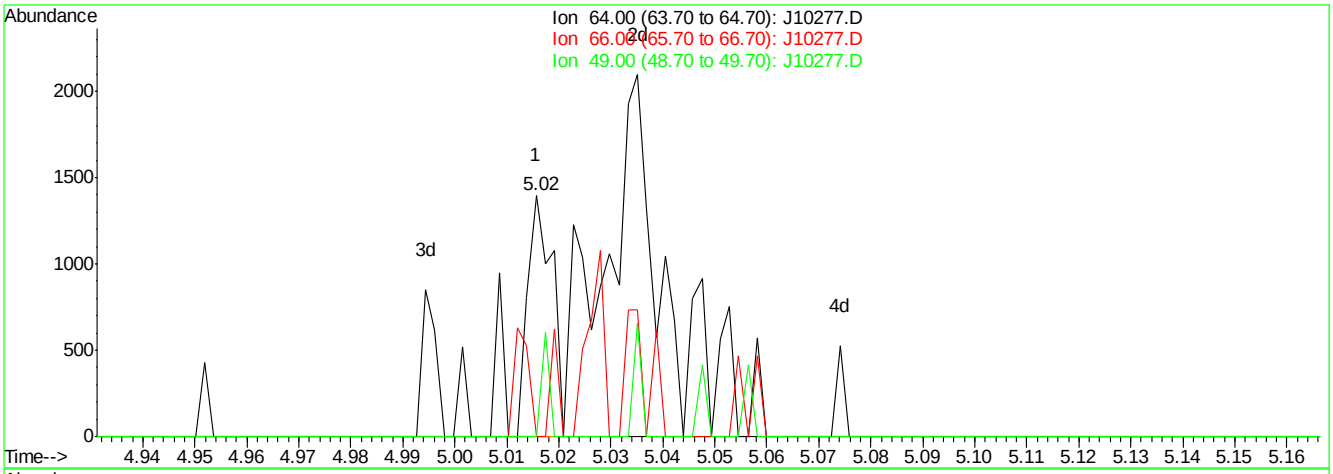
J10277.D J050907T.M Thu May 10 08:36:03 2007

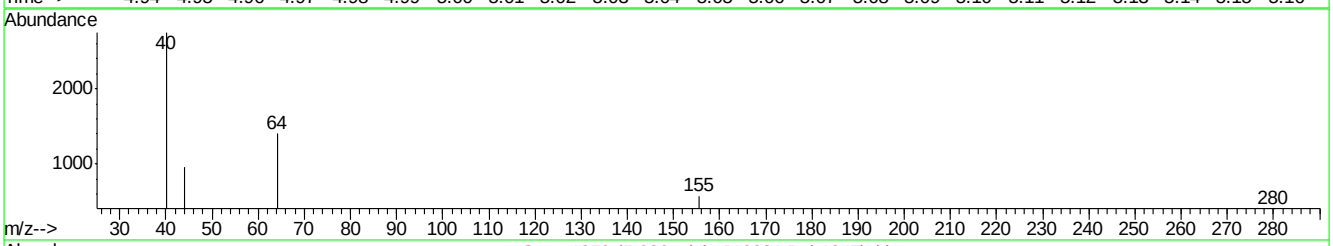
Quantitation Report (Qedit)

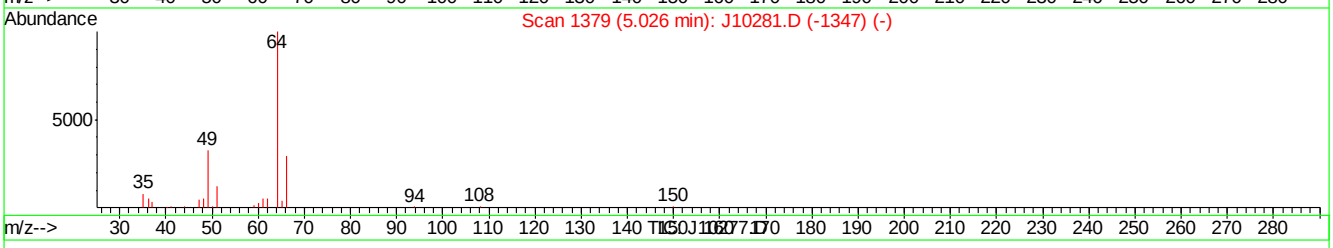
Data File : C:\MSDChem\1\data\J10277.D Vial: 2
Acq On : 9 May 2007 6:39 pm Operator: danat
Sample : IC533-0.2 (M058) Inst : MSJ
Misc : MS13434, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 10 08:35:17 2007 Results File: J050907T.RES

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 08:35:02 2007
Response via : Multiple Level Calibration







(9) CHLOROETHANE (m)

5.02min 0.05PPBV

response 557

Ion	Exp%	Act%
64.00	100	100
66.00	33.10	22.08
49.00	30.20	11.49
0.00	0.00	0.00

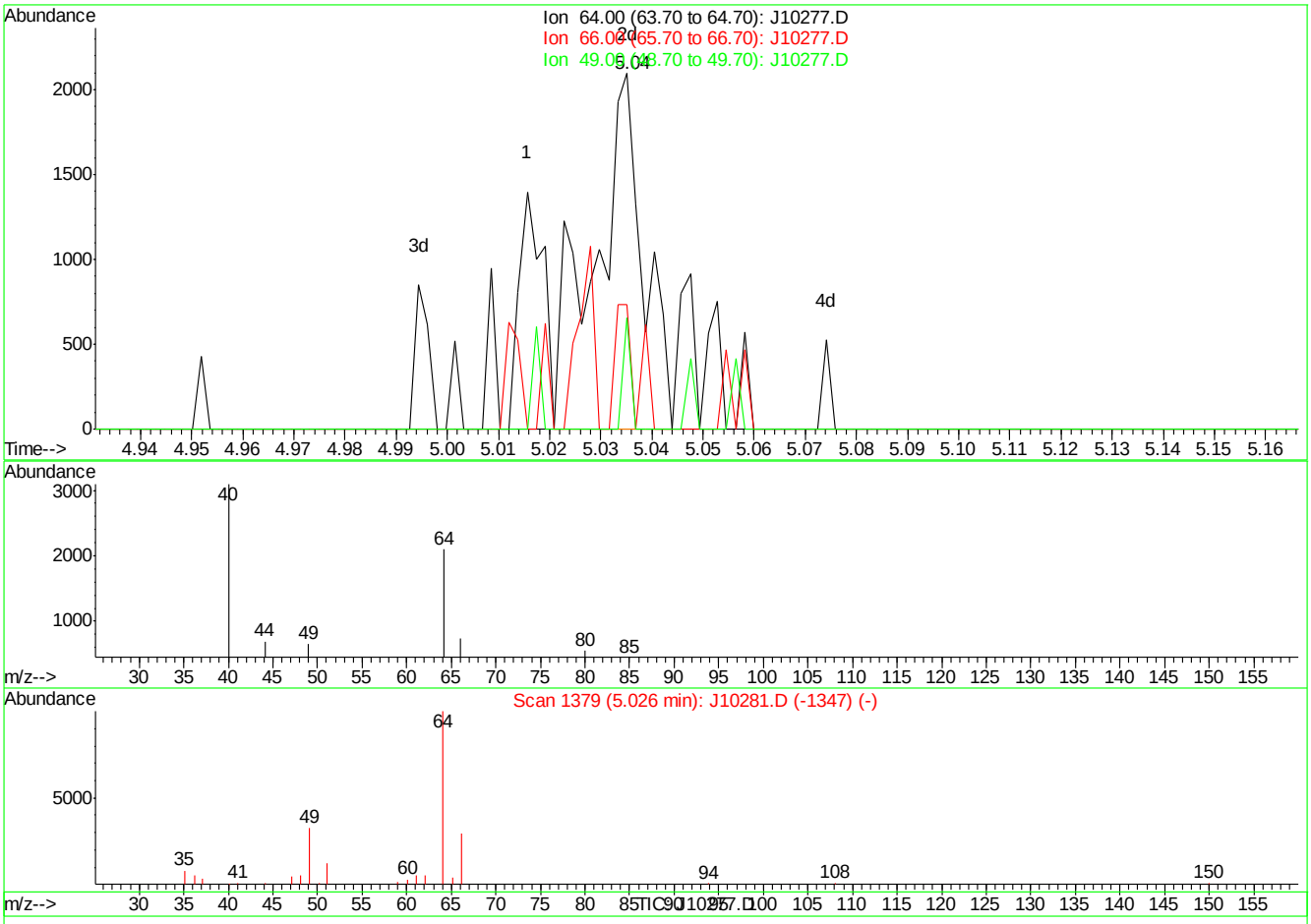
J10277.D J050907T.M Thu May 10 08:36:16 2007

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10277.D Vial: 2
Acq On : 9 May 2007 6:39 pm Operator: danat
Sample : IC533-0.2 (M058) Inst : MSJ
Misc : MS13434, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 10 08:35:17 2007 Results File: J050907T.RES

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 08:35:02 2007
Response via : Multiple Level Calibration



(9) CHLOROETHANE (m)

5.04min 0.12PPBV m

response 1417

Ion	Exp%	Act%
64.00	100	100
66.00	33.10	8.68#
49.00	30.20	4.52#
0.00	0.00	0.00

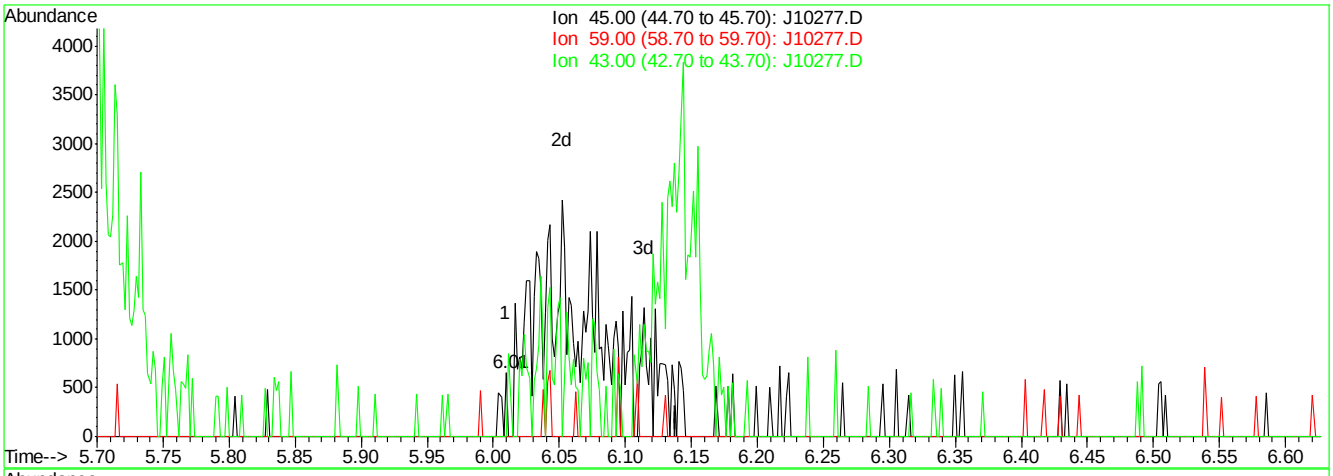
J10277.D J050907T.M Thu May 10 08:36:22 2007

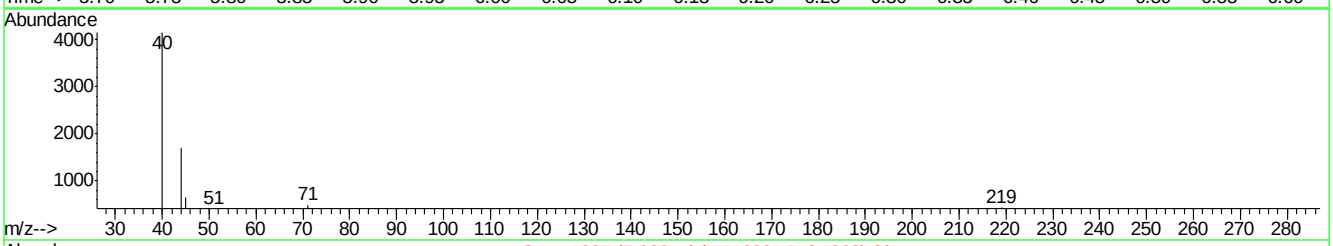
Quantitation Report (Qedit)

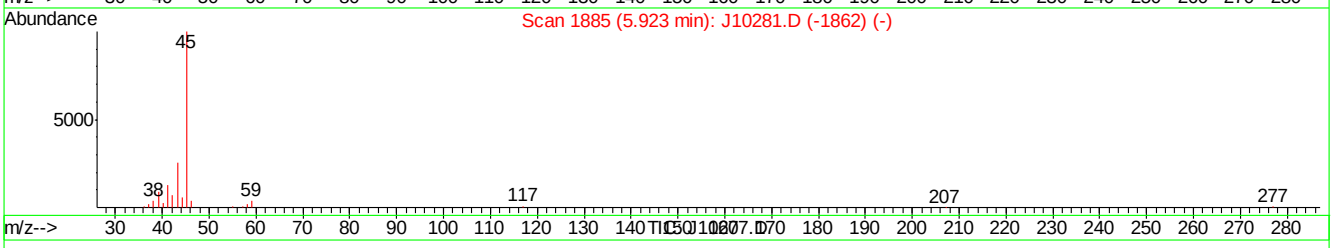
Data File : C:\MSDChem\1\data\J10277.D Vial: 2
Acq On : 9 May 2007 6:39 pm Operator: danat
Sample : IC533-0.2 (M058) Inst : MSJ
Misc : MS13434, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 10 08:35:17 2007 Results File: J050907T.RES

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 08:35:02 2007
Response via : Multiple Level Calibration







(11) ISOPROPYL ALCOHOL (m)

6.01min 0.01PPBV

response 160

Ion	Exp%	Act%
45.00	100	100
59.00	3.80	0.00
43.00	25.40	0.00#
0.00	0.00	0.00

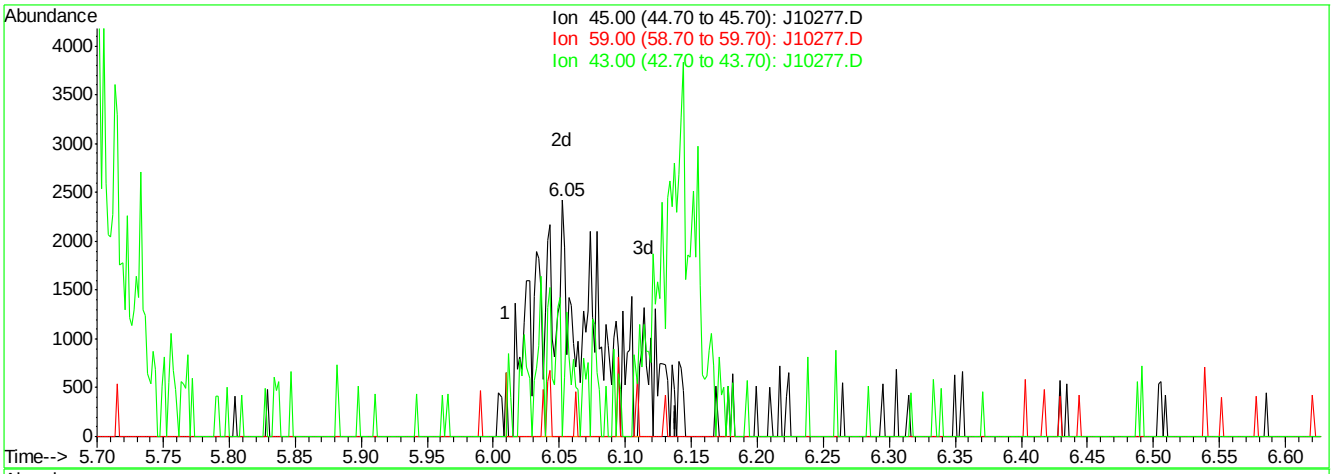
J10277.D J050907T.M Thu May 10 08:36:30 2007

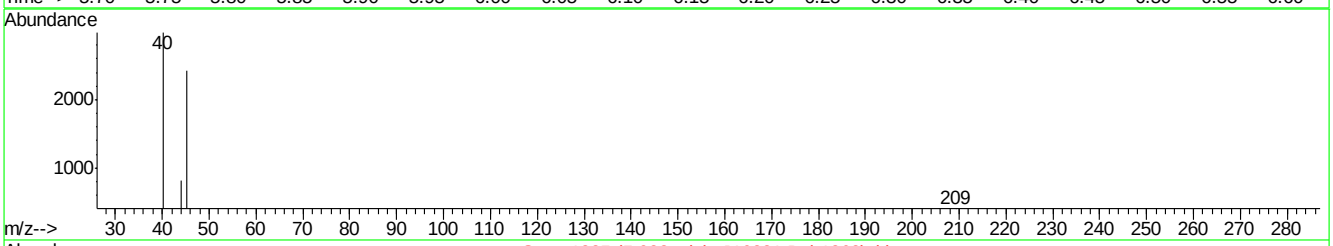
Quantitation Report (Qedit)

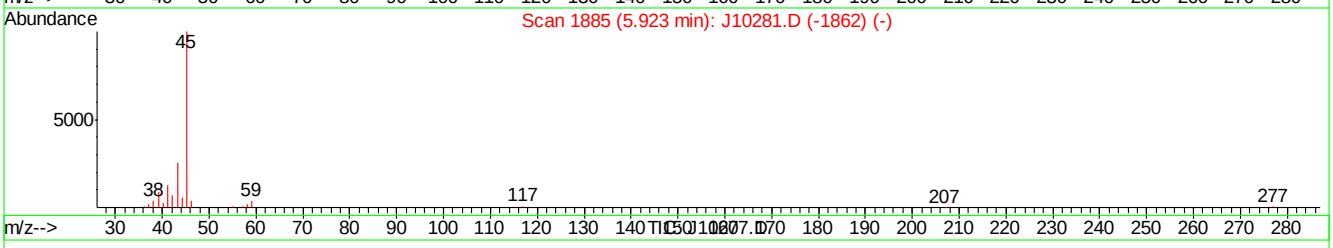
Data File : C:\MSDChem\1\data\J10277.D Vial: 2
Acq On : 9 May 2007 6:39 pm Operator: danat
Sample : IC533-0.2 (M058) Inst : MSJ
Misc : MS13434, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 10 08:35:17 2007 Results File: J050907T.RES

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 08:35:02 2007
Response via : Multiple Level Calibration







(11) ISOPROPYL ALCOHOL (m)

6.05min 0.28PPBV m

response 6895

Ion	Exp%	Act%
45.00	100	100
59.00	3.80	0.00
43.00	25.40	0.00#
0.00	0.00	0.00

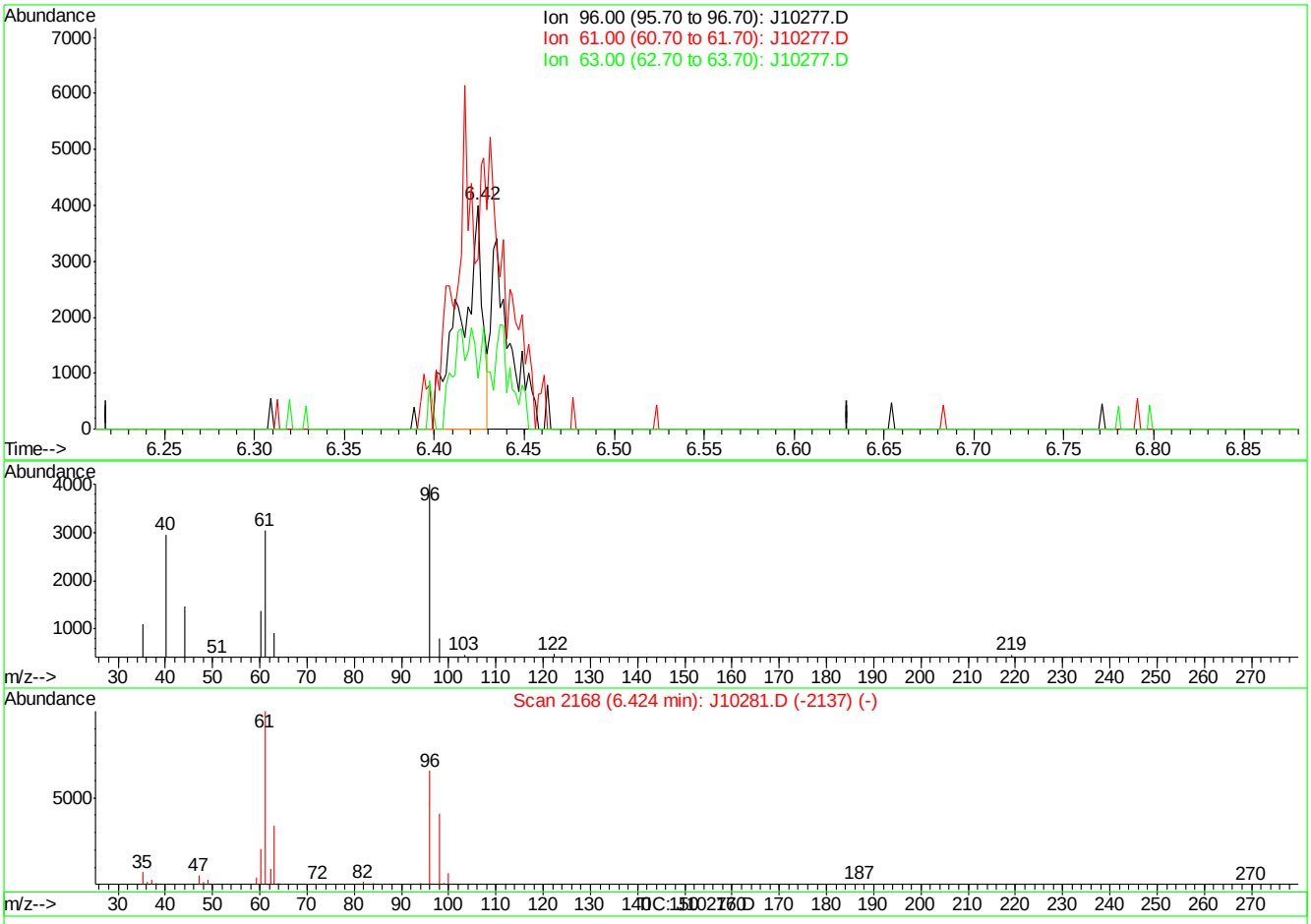
J10277.D J050907T.M Thu May 10 08:36:36 2007

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10277.D Vial: 2
Acq On : 9 May 2007 6:39 pm Operator: danat
Sample : IC533-0.2 (M058) Inst : MSJ
Misc : MS13434, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 10 08:35:17 2007 Results File: J050907T.RES

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 08:35:02 2007
Response via : Multiple Level Calibration



(14) 1,1-DICHLOROETHYLENE (m)

6.42min 0.11PPBV

response 3441

Ion	Exp%	Act%
96.00	100	100
61.00	157.70	284.42#
63.00	52.40	62.05
0.00	0.00	0.00

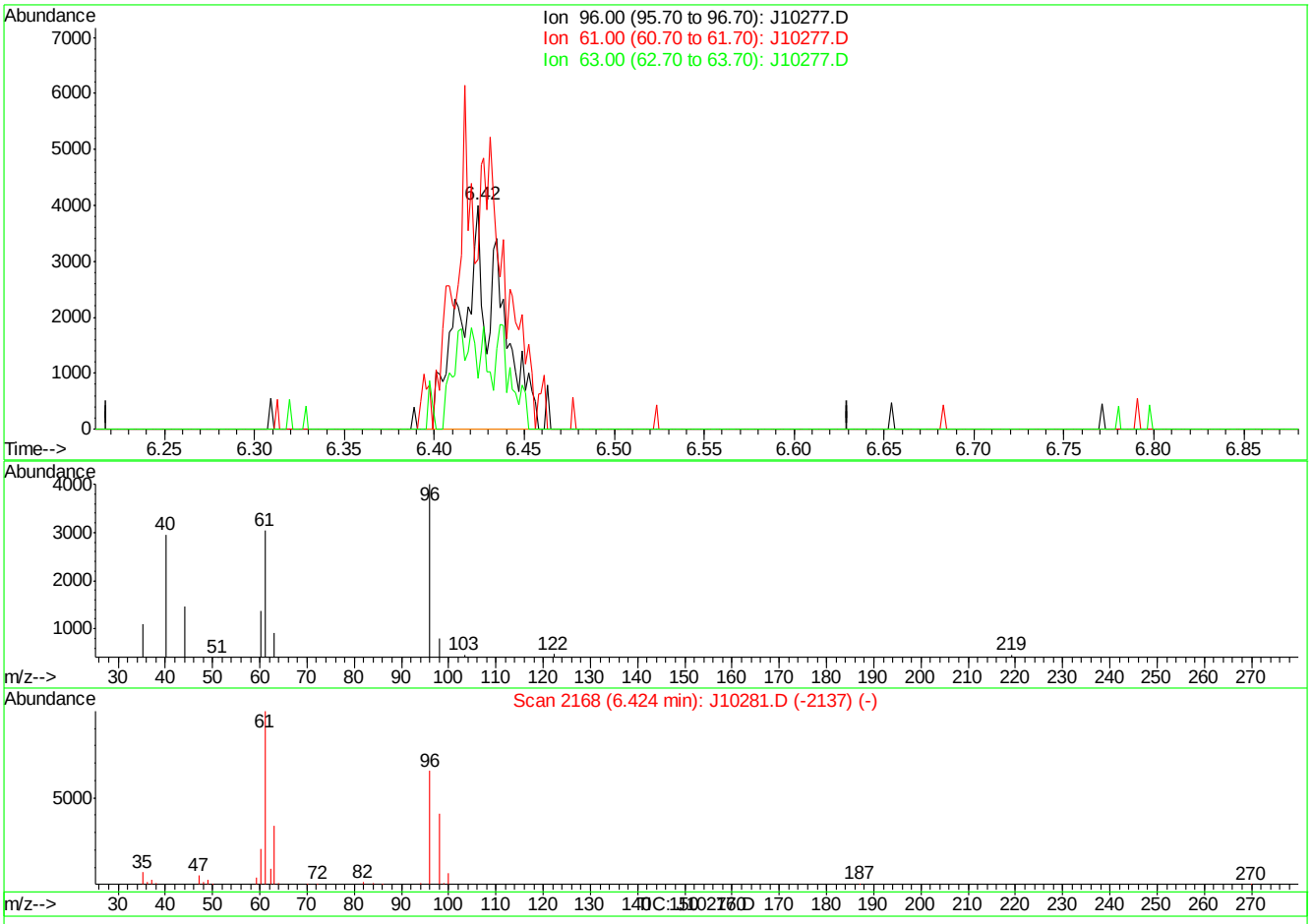
J10277.D J050907T.M Thu May 10 08:36:49 2007

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10277.D Vial: 2
Acq On : 9 May 2007 6:39 pm Operator: danat
Sample : IC533-0.2 (M058) Inst : MSJ
Misc : MS13434, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 10 08:35:17 2007 Results File: J050907T.RES

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 08:35:02 2007
Response via : Multiple Level Calibration



(14) 1,1-DICHLOROETHYLENE (m)

6.42min 0.19PPBV m

response 5906

Ion	Exp%	Act%
96.00	100	100
61.00	157.70	165.71
63.00	52.40	36.15
0.00	0.00	0.00

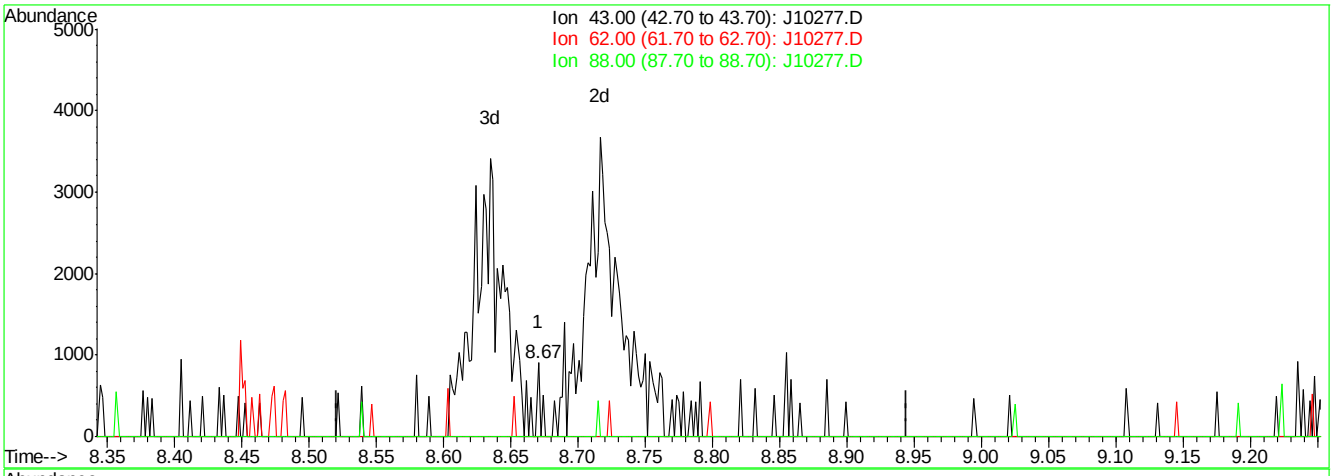
J10277.D J050907T.M Thu May 10 08:36:54 2007

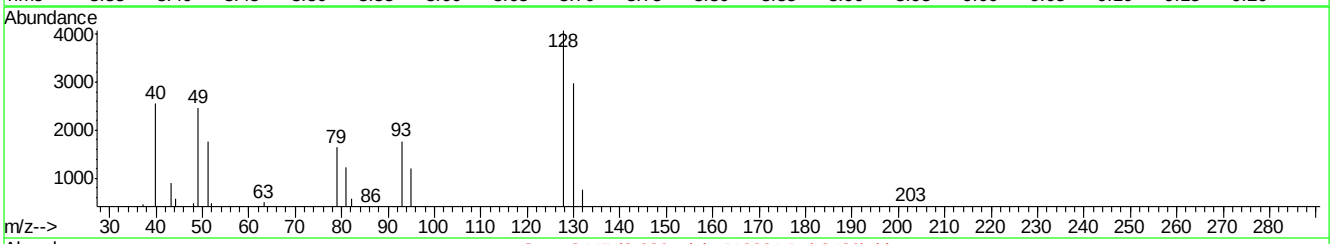
Quantitation Report (Qedit)

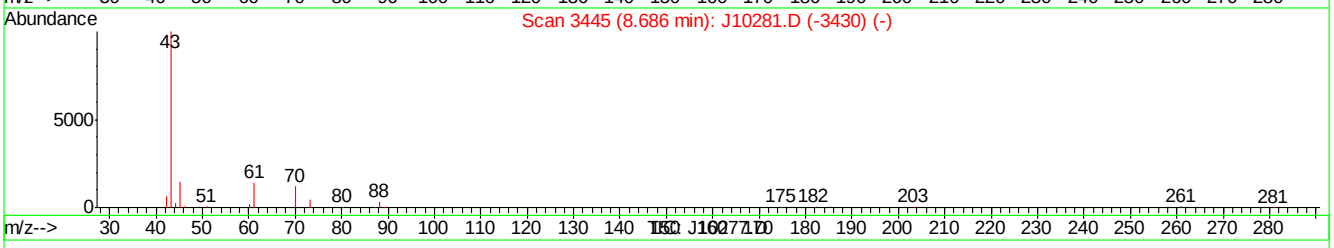
Data File : C:\MSDChem\1\data\J10277.D Vial: 2
Acq On : 9 May 2007 6:39 pm Operator: danat
Sample : IC533-0.2 (M058) Inst : MSJ
Misc : MS13434, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 10 08:35:17 2007 Results File: J050907T.RES

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 08:35:02 2007
Response via : Multiple Level Calibration







(30) ETHYL ACETATE (m)

8.67min 0.00PPBV

response 151

Ion	Exp%	Act%
43.00	100	100
62.00	0.30	34.44#
88.00	4.70	0.00
0.00	0.00	0.00

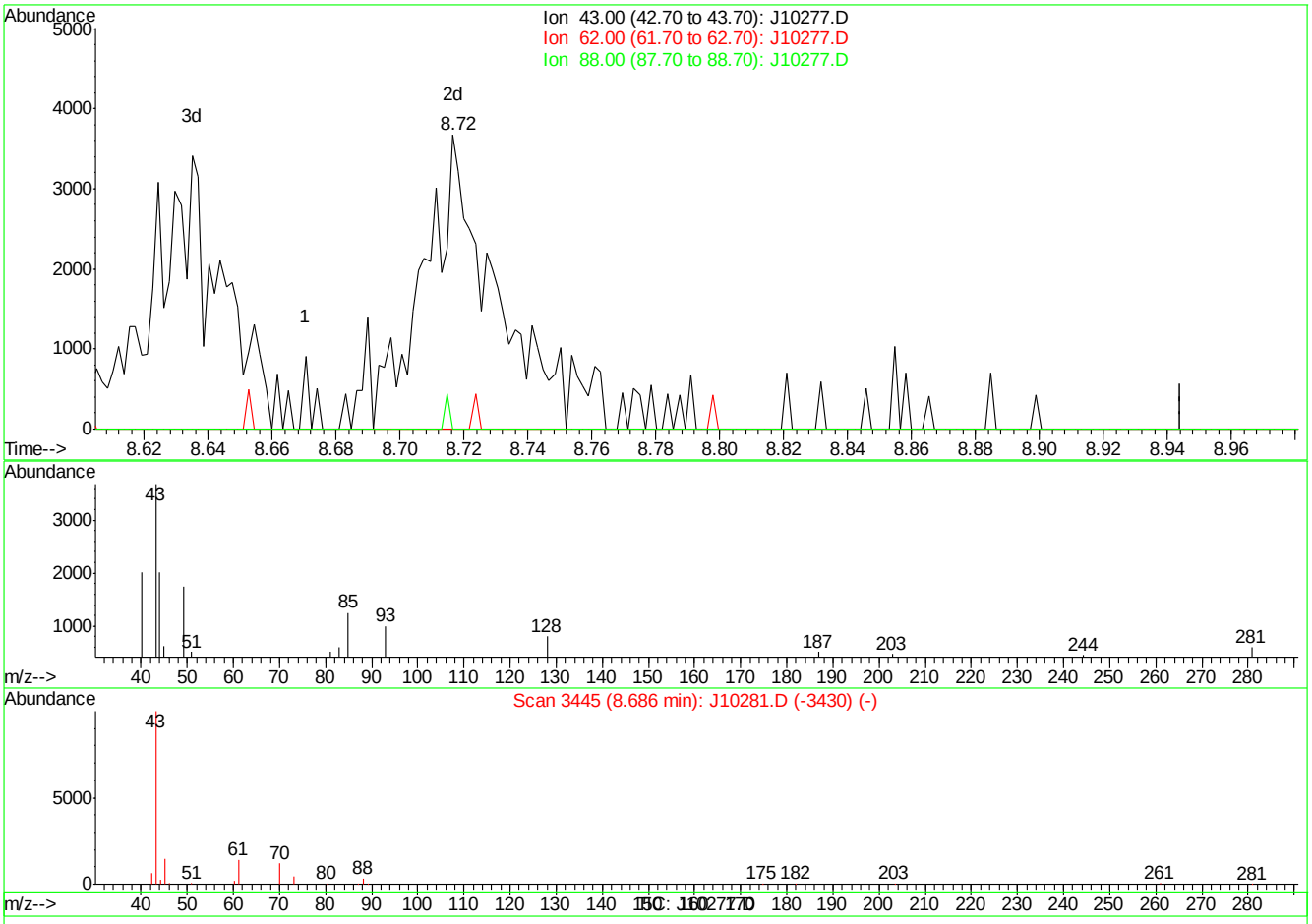
J10277.D J050907T.M Thu May 10 08:37:49 2007

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10277.D Vial: 2
Acq On : 9 May 2007 6:39 pm Operator: danat
Sample : IC533-0.2 (M058) Inst : MSJ
Misc : MS13434, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 10 08:35:17 2007 Results File: J050907T.RES

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 08:35:02 2007
Response via : Multiple Level Calibration



(30) ETHYL ACETATE (m)

8.72min 0.16PPBV m

response 5570

Ion	Exp%	Act%
43.00	100	100
62.00	0.30	0.93
88.00	4.70	0.00
0.00	0.00	0.00

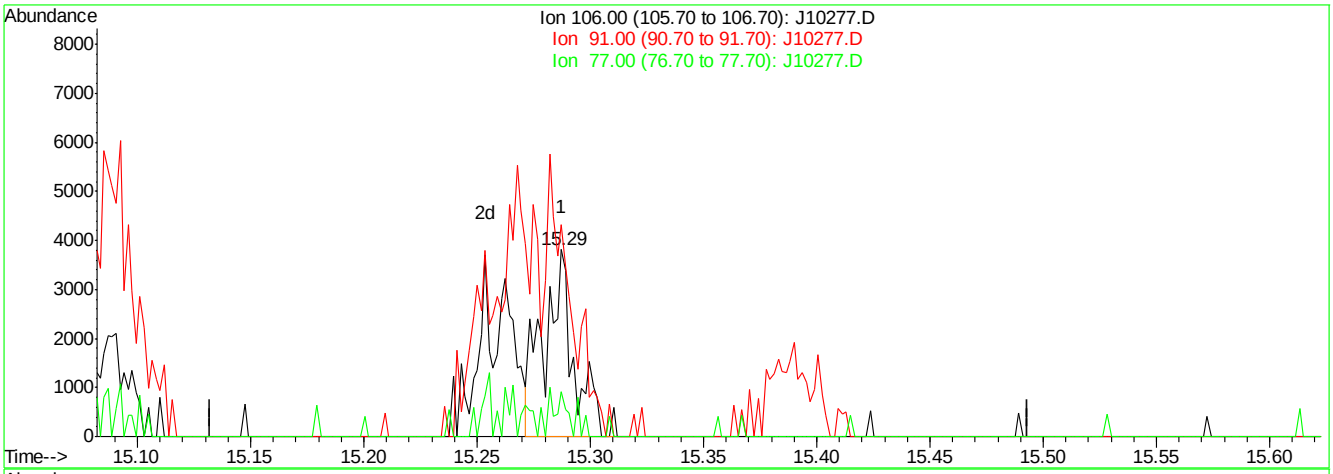
J10277.D J050907T.M Thu May 10 08:38:02 2007

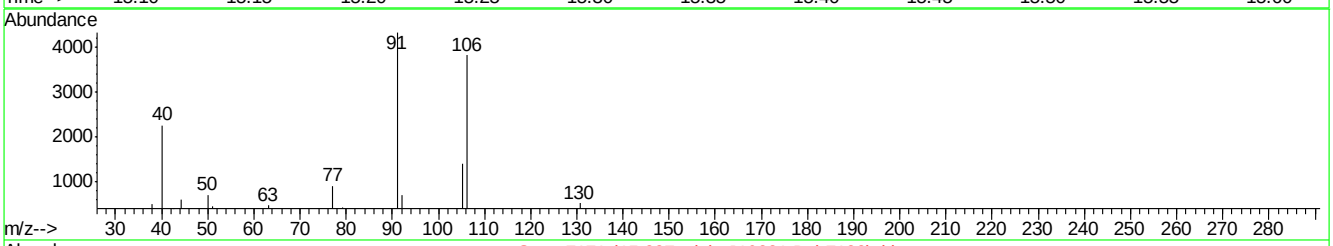
Quantitation Report (Qedit)

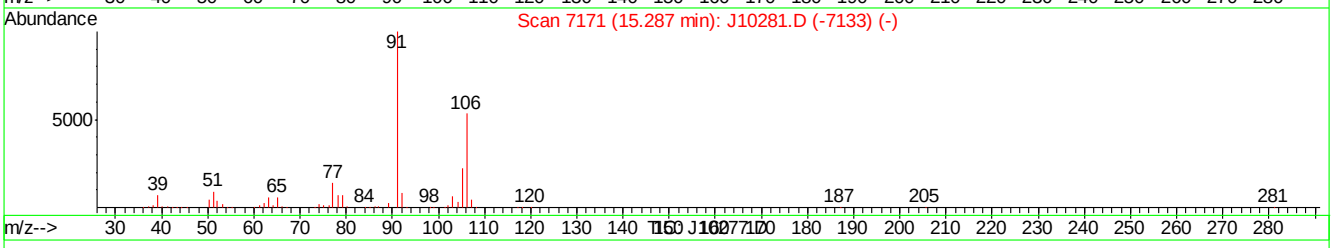
Data File : C:\MSDChem\1\data\J10277.D Vial: 2
Acq On : 9 May 2007 6:39 pm Operator: danat
Sample : IC533-0.2 (M058) Inst : MSJ
Misc : MS13434, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 10 08:35:17 2007 Results File: J050907T.RES

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 08:35:02 2007
Response via : Multiple Level Calibration







(56) m,p-XYLENE (m)

15.29min 0.10PPBV

response 3552

Ion	Exp%	Act%
106.00	100	100
91.00	187.40	113.31#
77.00	26.20	23.79
0.00	0.00	0.00

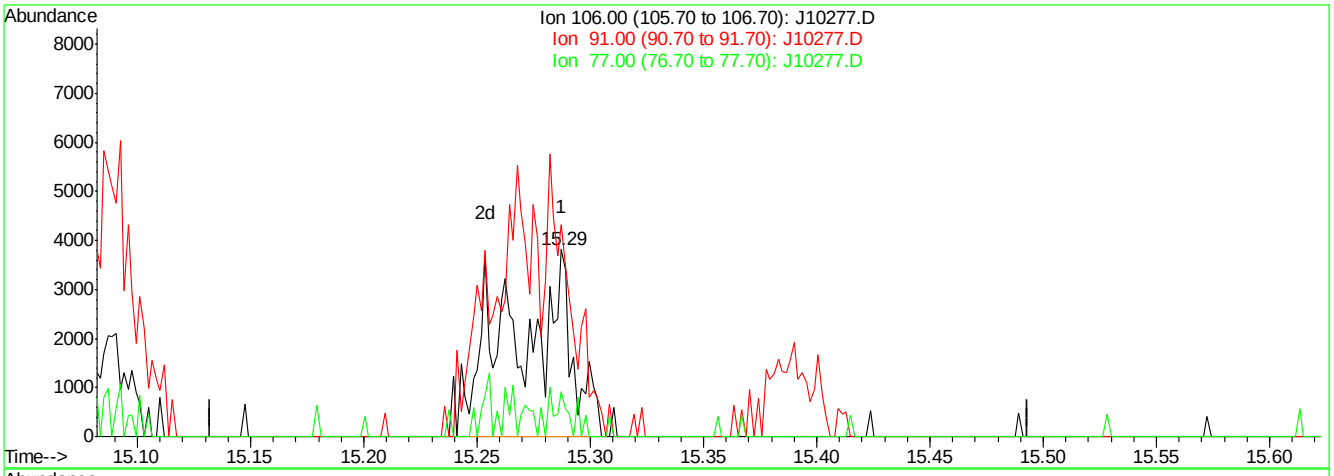
J10277.D J050907T.M Thu May 10 08:39:14 2007

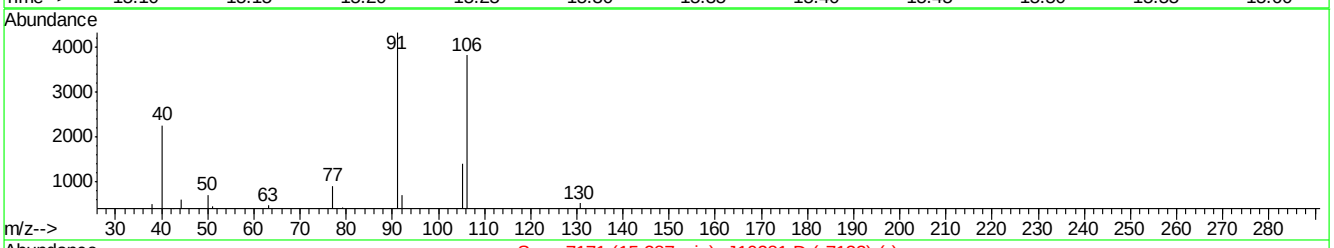
Quantitation Report (Qedit)

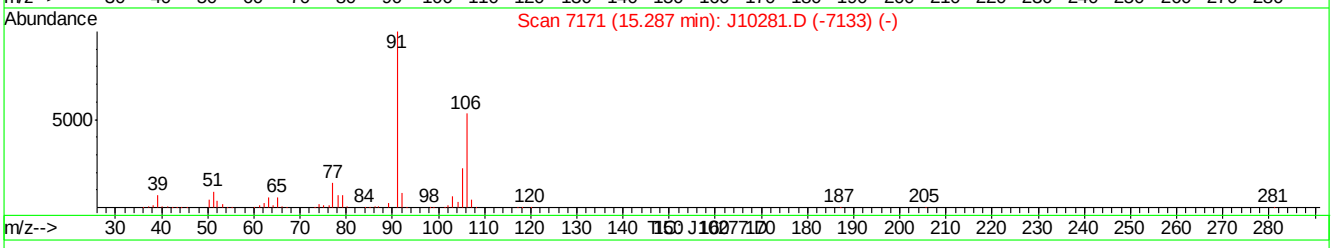
Data File : C:\MSDChem\1\data\J10277.D Vial: 2
Acq On : 9 May 2007 6:39 pm Operator: danat
Sample : IC533-0.2 (M058) Inst : MSJ
Misc : MS13434, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 10 08:35:17 2007 Results File: J050907T.RES

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 08:35:02 2007
Response via : Multiple Level Calibration







(56) m,p-XYLENE (m)

15.29min 0.18PPBV m

response 6881

Ion	Exp%	Act%
106.00	100	100
91.00	187.40	113.31#
77.00	26.20	23.79
0.00	0.00	0.00

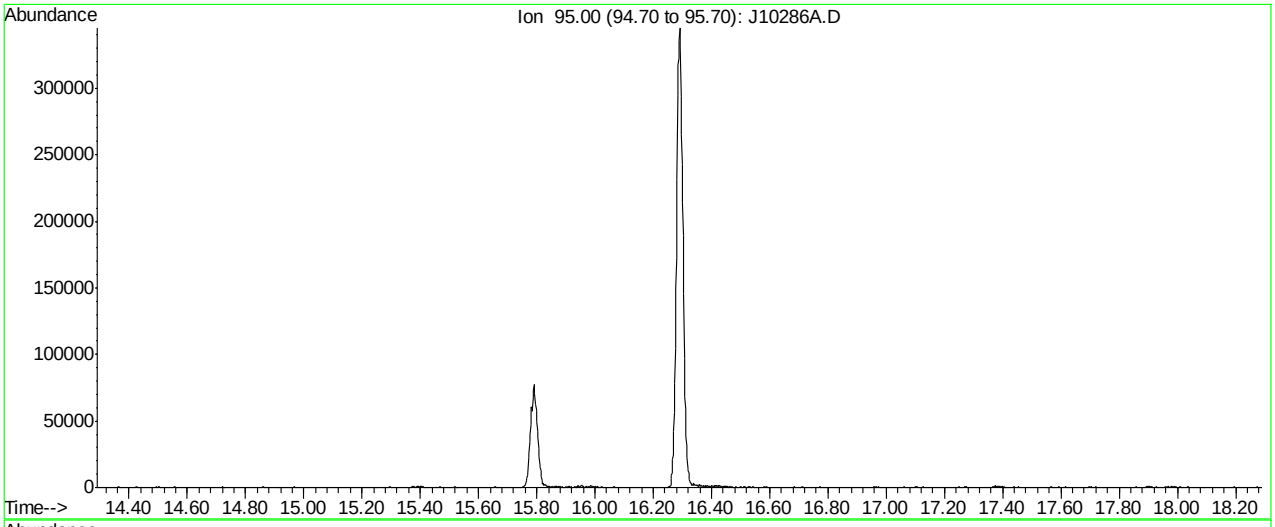
J10277.D J050907T.M Thu May 10 08:39:20 2007

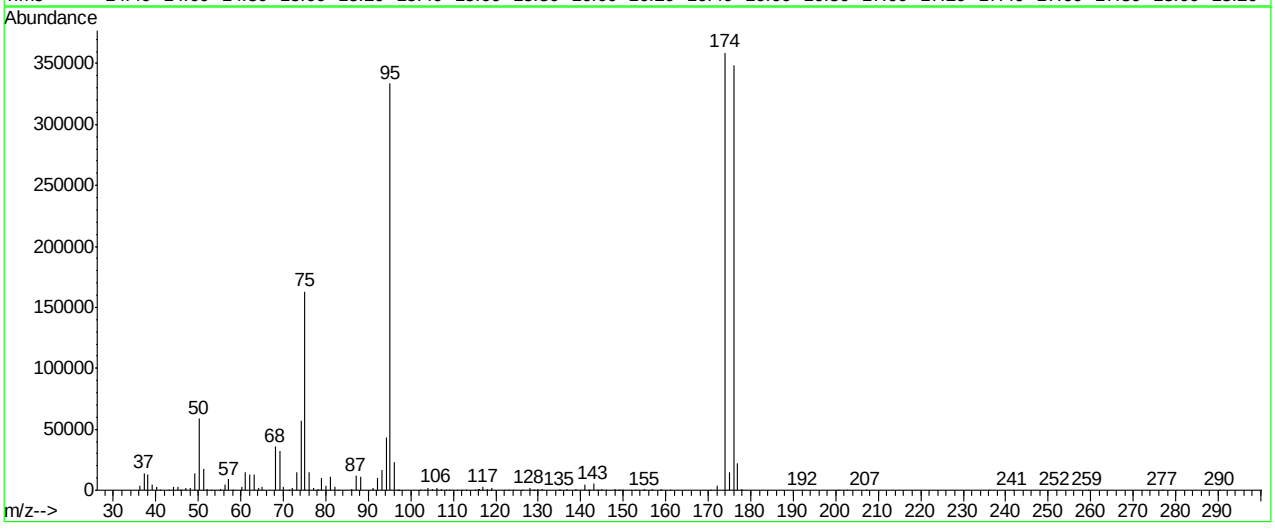
BFB

Data File : C:\MSDChem\1\data\J10286A.D
Acq On : 10 May 2007 10:33 am
Sample : CC533-10 (M054)
Misc : MS13434, MSJ533,,,,,1
MS Integration Params: LSCINT.P

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

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um





Spectrum Information: Average of 16.288 to 16.293 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	17.6	58752	PASS
75	95	30	66	48.9	163184	PASS
95	95	100	100	100.0	333840	PASS
96	95	5	9	6.9	23018	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	107.6	359152	PASS
175	174	4	9	4.2	15166	PASS
176	174	93	101	97.1	348720	PASS
177	176	5	9	6.2	21654	PASS

J10286A.D J050907T.M Thu May 10 14:38:50 2007

Average of 16.288 to 16.293 min.: J10286A.D
ICV533-10 (M054)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.20	3491	47.15	2284	60.15	3179	73.15	15163
37.15	13954	48.15	2073	61.10	14780	74.15	57210
38.15	12524	49.20	13885	62.15	13302	75.10	163184
39.10	4889	50.15	58752	63.15	12600	76.10	15193
40.05	2916	51.15	17862	64.15	1730	77.05	1904
41.00	170	52.10	1231	65.10	2439	78.15	1231
43.20	112	53.15	211	68.10	35584	79.00	9849
44.10	3082	55.10	1094	69.10	31824	80.05	3326
45.15	2603	56.15	5036	70.05	2813	81.05	11335
45.80	108	57.15	9032	71.20	116	82.00	2878
46.05	279	58.10	164	72.20	2264	83.00	124

Average of 16.288 to 16.293 min.: J10286A.D
ICV533-10 (M054)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
86.00	649	102.10	100	113.10	146	126.10	190
87.05	11920	103.30	276	115.00	134	127.95	1534
88.10	11211	104.00	1596	115.90	800	128.80	136
91.05	1552	105.05	681	116.05	863	128.95	486
92.10	10183	106.00	1918	117.00	2454	129.95	1221
93.10	16963	107.05	547	117.95	1349	131.00	751
94.15	43468	108.20	137	118.70	187	134.85	468
95.10	333840	109.00	109	118.95	1608	135.10	215
96.10	23018	109.90	117	122.00	180	136.85	563
97.00	147	111.00	126	122.90	103	138.95	501
97.20	162	112.05	266	124.00	127	140.00	105

Average of 16.288 to 16.293 min.: J10286A.D
ICV533-10 (M054)

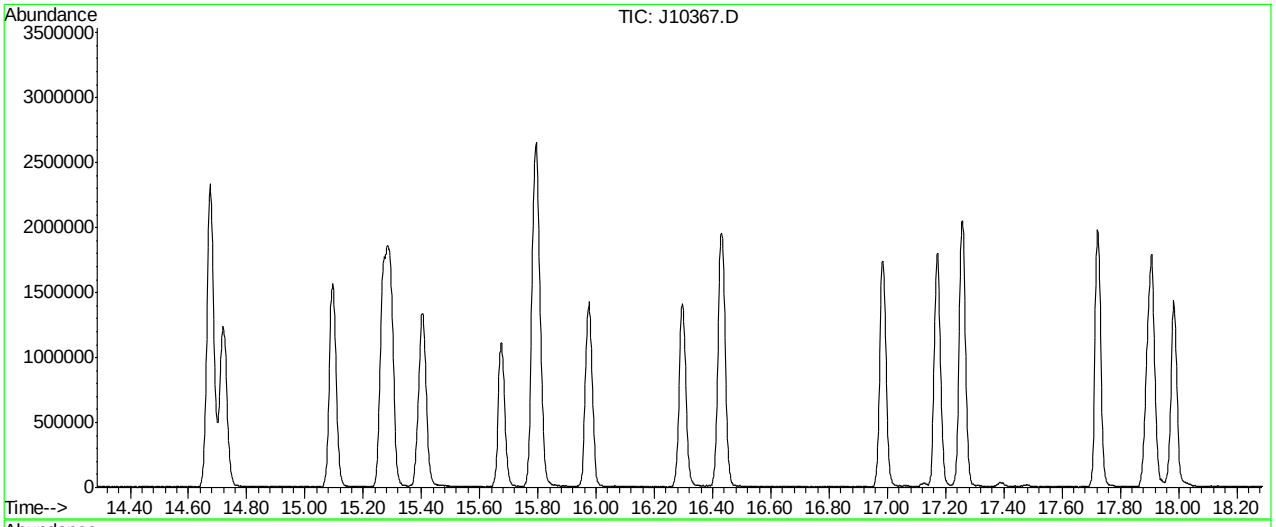
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
141.00	4418	150.05	366	174.00	359152	251.75	314
141.80	323	151.75	293	175.10	15166	259.40	141
142.00	322	152.95	309	176.00	348720	276.90	116
143.00	5192	153.70	118	176.95	21654	290.30	157
143.90	103	154.80	146	177.90	794		
144.10	281	155.00	675	192.20	187		
144.95	865	156.85	604	200.70	102		
145.85	299	158.90	528	202.80	105		
147.95	1139	160.95	470	207.10	273		
148.80	246	170.40	107	235.80	124		
149.10	101	171.95	3601	241.60	135		

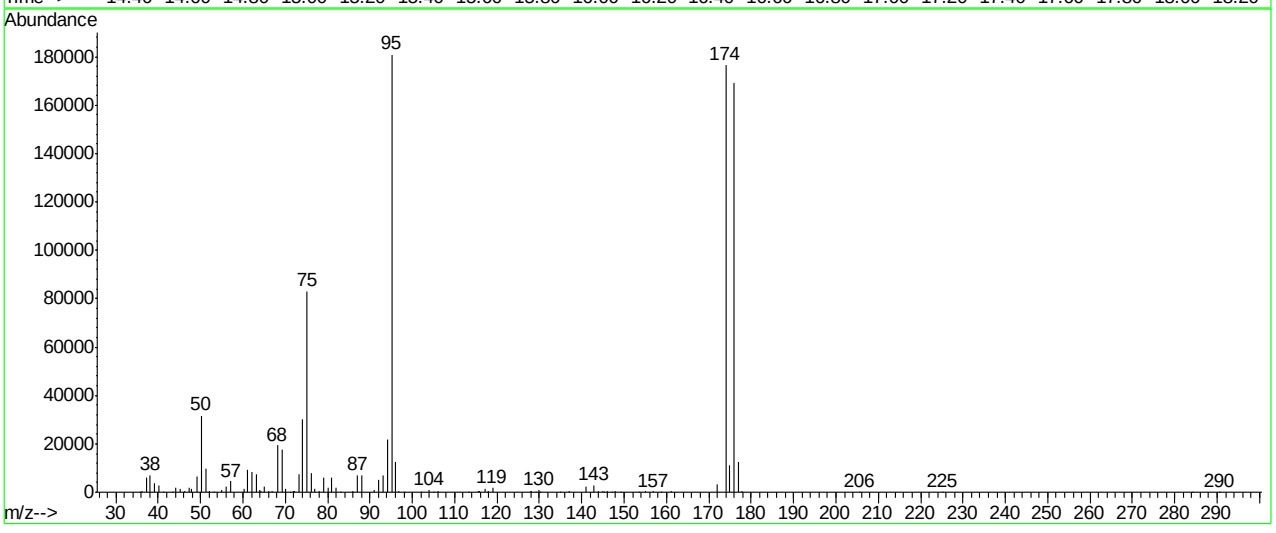
BFB

Data File : C:\MSDChem\1\data\J10367.D
Acq On : 15 May 2007 12:03 pm
Sample : CC533-10 (M054)
Misc : MS13540, MSJ537,,,,,1
MS Integration Params: LSCINT.P

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

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um





Spectrum Information: Average of 16.285 to 16.288 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	17.5	31576	PASS
75	95	30	66	45.9	83005	PASS
95	95	100	100	100.0	180949	PASS
96	95	5	9	6.8	12359	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	97.7	176768	PASS
175	174	4	9	6.4	11238	PASS
176	174	93	101	95.6	168960	PASS
177	176	5	9	7.5	12656	PASS

J10367.D J050907T.M Tue May 15 18:25:53 2007

Average of 16.285 to 16.288 min.: J10367.D
CC533-10 (M054)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.60	191	47.20	1880	61.15	9124	71.10	147
36.15	673	47.95	1177	62.15	8215	72.00	351
37.15	5851	49.15	6605	63.15	7566	72.20	611
38.15	7180	50.15	31576	64.00	742	73.15	7417
39.20	3862	51.15	9626	64.20	622	74.15	29944
40.10	2582	52.00	338	65.05	2345	75.10	83005
41.20	156	53.10	216	66.05	331	76.10	8080
43.30	168	55.05	938	67.00	406	77.05	1297
44.10	1674	56.05	2540	68.10	19314	77.90	251
45.15	1202	57.10	4483	69.15	17672	79.00	5930
46.15	407	60.20	1395	70.10	1565	80.05	1975

Average of 16.285 to 16.288 min.: J10367.D
CC533-10 (M054)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
81.00	6228	96.10	12359	117.70	221	142.95	2831
82.05	1750	96.90	358	117.95	485	143.95	402
83.00	158	98.10	171	119.00	1667	144.90	454
85.90	276	102.10	134	127.90	374	145.10	149
87.05	7095	103.95	913	128.05	699	145.90	368
88.05	6841	105.00	142	129.00	135	147.10	231
90.95	1043	105.95	604	129.90	727	147.90	633
92.05	5272	113.10	135	130.10	227	149.30	154
93.15	6826	115.60	264	134.90	237	153.50	151
94.15	21781	115.95	524	136.95	377	154.95	393
95.10	180949	117.05	1248	140.95	2490	156.95	429

Average of 16.285 to 16.288 min.: J10367.D
CC533-10 (M054)

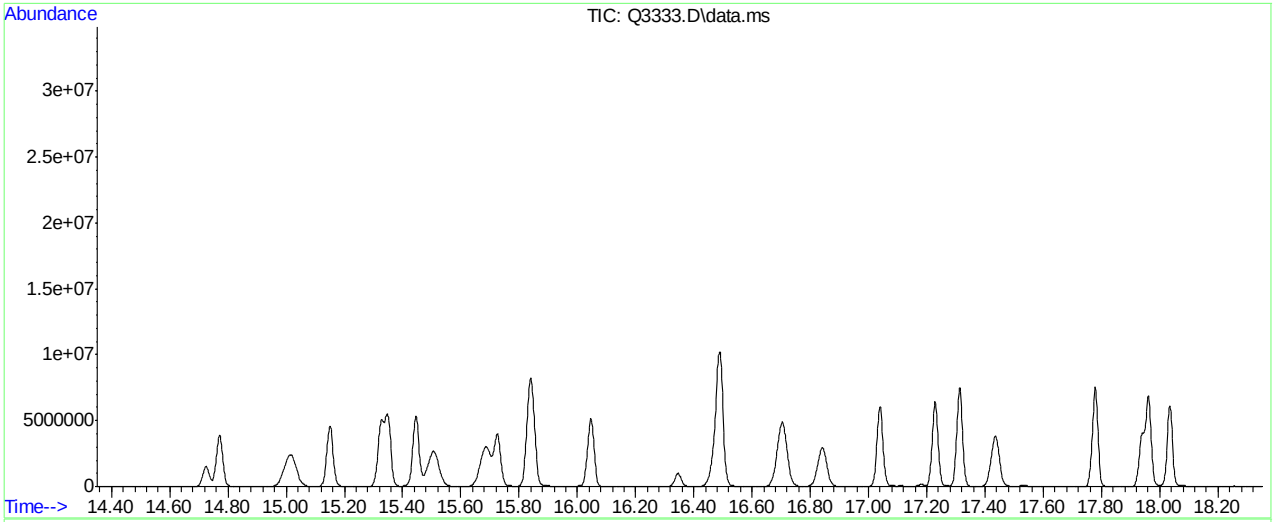
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
158.80	206	290.60	171				
161.00	360						
171.95	3280						
174.00	176768						
175.00	11238						
176.00	168960						
177.00	12656						
177.85	591						
205.70	193						
225.20	172						
284.10	165						

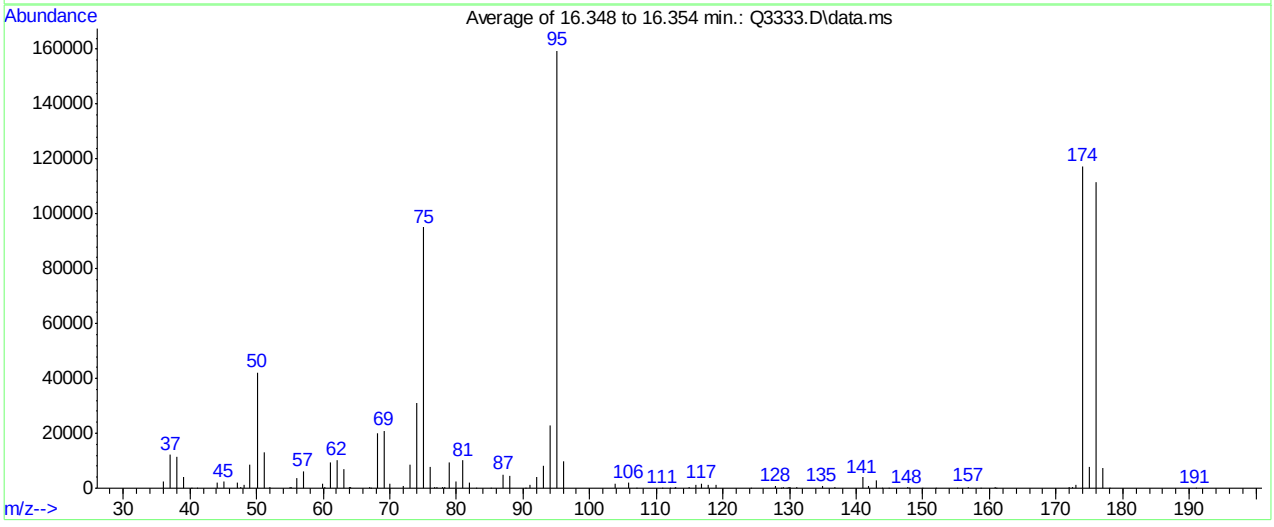
BFB

Data File : C:\msdchem\1\DATA\Q3333.D
Acq On : 3 May 2007 5:52 pm
Sample : IC180-40 (M105)
Misc : MS13469,MSQ180,,,,,1
MS Integration Params: LSCINT.P

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

Method : C:\msdchem\1\METHODS\Q050307T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um





Spectrum Information: Average of 16.348 to 16.354 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	26.5	42294	PASS
75	95	30	66	59.6	95074	PASS
95	95	100	100	100.0	159520	PASS
96	95	5	9	6.3	9974	PASS
173	174	0.00	2	1.1	1288	PASS
174	95	50	120	73.6	117362	PASS
175	174	4	9	6.7	7854	PASS
176	174	93	101	95.2	111676	PASS
177	176	5	9	6.6	7381	PASS

Q3333.D Q050307T.m Fri May 04 14:43:53 2007 RPT1

Average of 16.348 to 16.354 min.: Q3333.D\data.ms
IC180-40 (M105)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.10	2634	49.05	8525	62.05	10276	74.10	31018
37.10	12087	50.10	42294	63.05	7095	75.10	95074
38.10	11550	51.10	13082	64.00	303	76.05	7815
39.10	4217	51.95	557	64.20	229	76.80	493
40.20	153	54.95	572	67.00	325	77.15	585
41.00	102	55.20	345	67.20	209	77.90	630
44.05	2099	56.05	3895	68.10	19969	78.20	424
45.05	2370	57.05	6149	69.10	20916	78.95	9213
47.05	2211	59.95	1529	70.00	1767	79.95	2653
47.70	240	60.20	392	72.05	774	81.00	10134
48.10	1329	61.05	9217	73.05	8394	81.95	2119

Average of 16.348 to 16.354 min.: Q3333.D\data.ms
IC180-40 (M105)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
83.00	134	103.85	1752	118.90	1159	136.85	502
85.20	180	105.85	1887	124.10	120	140.95	4083
87.05	4909	107.00	154	127.80	253	141.90	694
88.00	4631	110.90	166	127.95	668	142.95	2777
90.30	126	112.00	109	128.80	214	143.90	141
91.00	1295	112.70	188	129.05	357	144.90	189
92.10	4285	112.95	360	129.60	122	147.65	326
93.05	8006	114.90	247	129.90	577	147.90	181
94.05	22994	115.90	1046	130.10	268	150.00	157
95.10	159520	116.85	1767	131.00	454	151.90	104
96.10	9974	117.85	1248	134.95	766	155.20	196

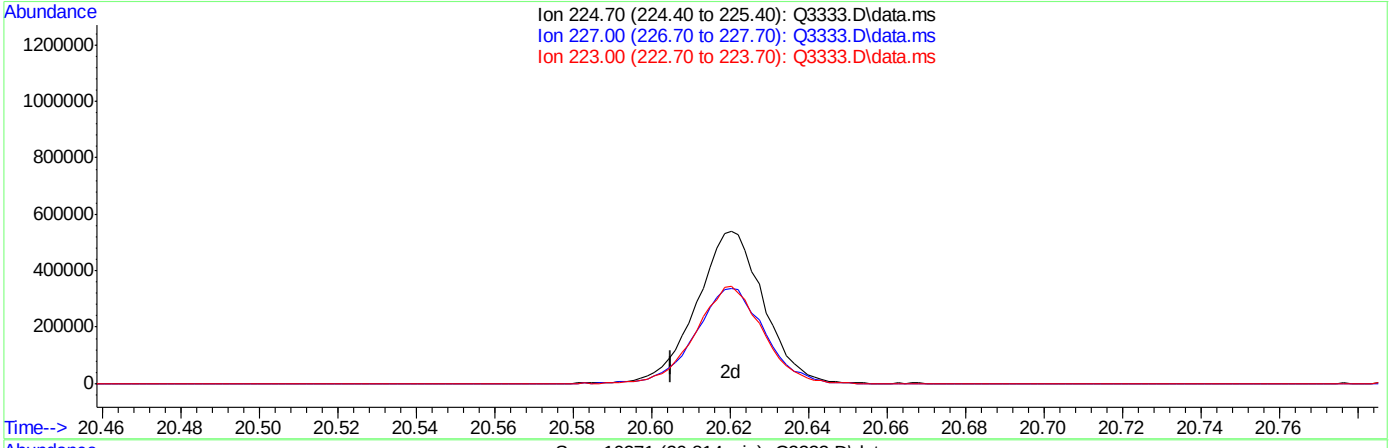
Average of 16.348 to 16.354 min.: Q3333.D\data.ms
IC180-40 (M105)

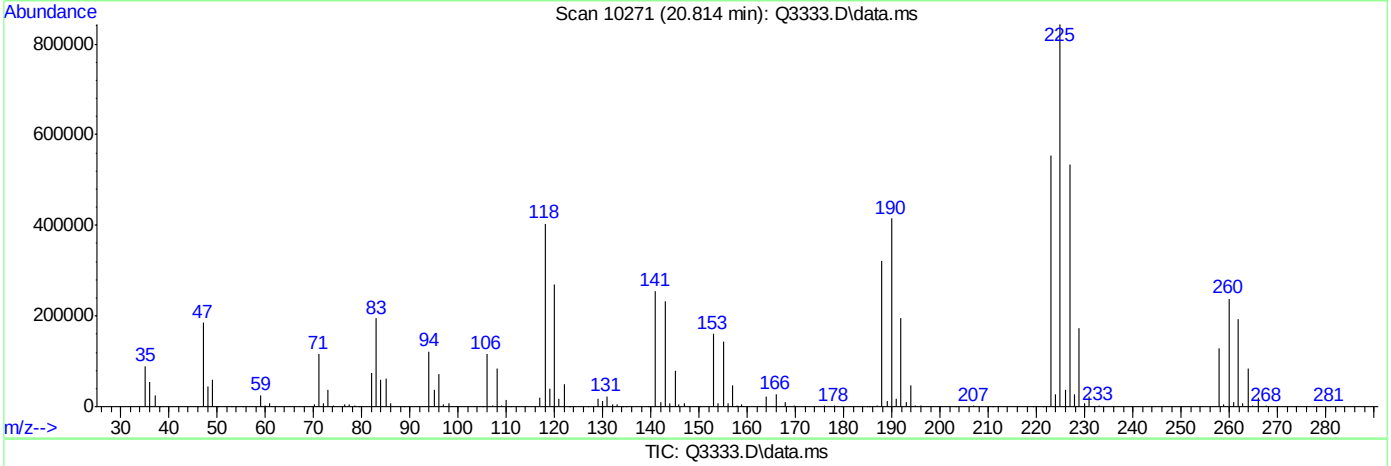
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
156.85	419	178.00	115				
158.70	128	190.90	109				
160.90	284						
161.10	116						
172.00	299						
172.50	281						
172.95	1288						
174.00	117362						
174.95	7854						
176.00	111676						
177.00	7381						

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3333.D
Acq On : 3 May 2007 5:52 pm
Operator : PhilipB
Sample : IC180-40 (M105)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 04 09:22:57 2007
Quant Method : C:\msdchem\1\METHODS\Q042607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 03 16:43:37 2007
Response via : Initial Calibration





(72) HEXACHLOROBUTADIENE (m)

20.814min (+0.003) 66.65PPBV

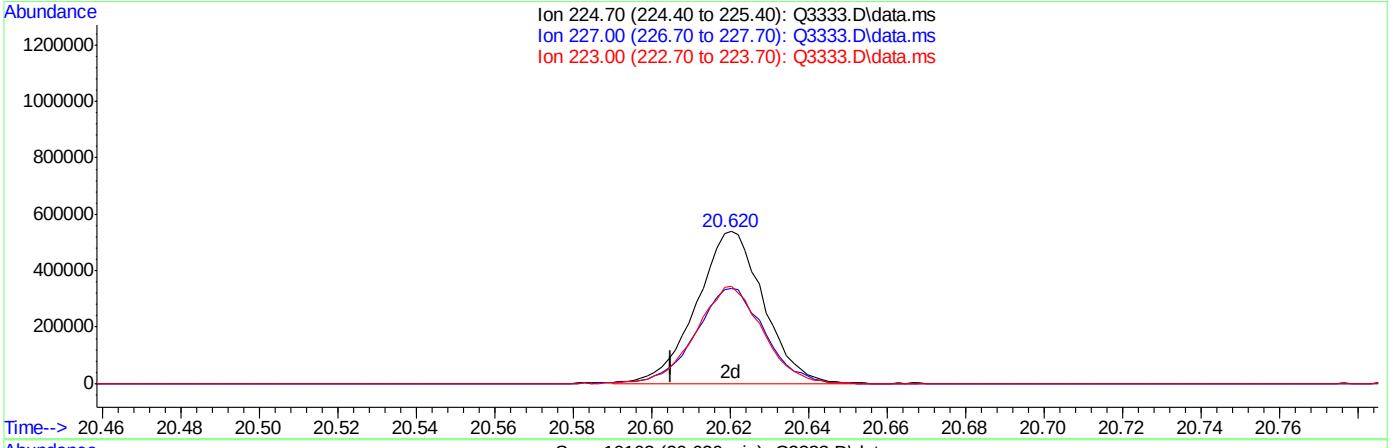
response 900765

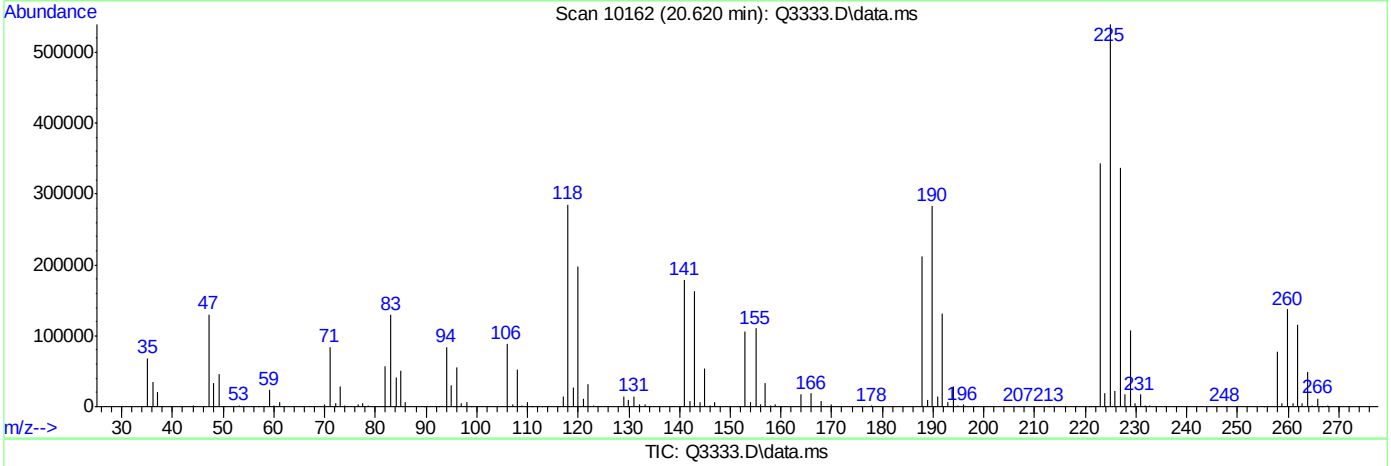
Ion	Exp%	Act%
224.70	100	100
227.00	64.20	64.88
223.00	62.30	64.16
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3333.D
Acq On : 3 May 2007 5:52 pm
Operator : PhilipB
Sample : IC180-40 (M105)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 04 09:22:57 2007
Quant Method : C:\msdchem\1\METHODS\Q042607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 03 16:43:37 2007
Response via : Initial Calibration





TIC: Q3333.D\data.ms

(72) HEXACHLOROBUTADIENE (m)

20.620min (-0.191) 47.47PPBV m

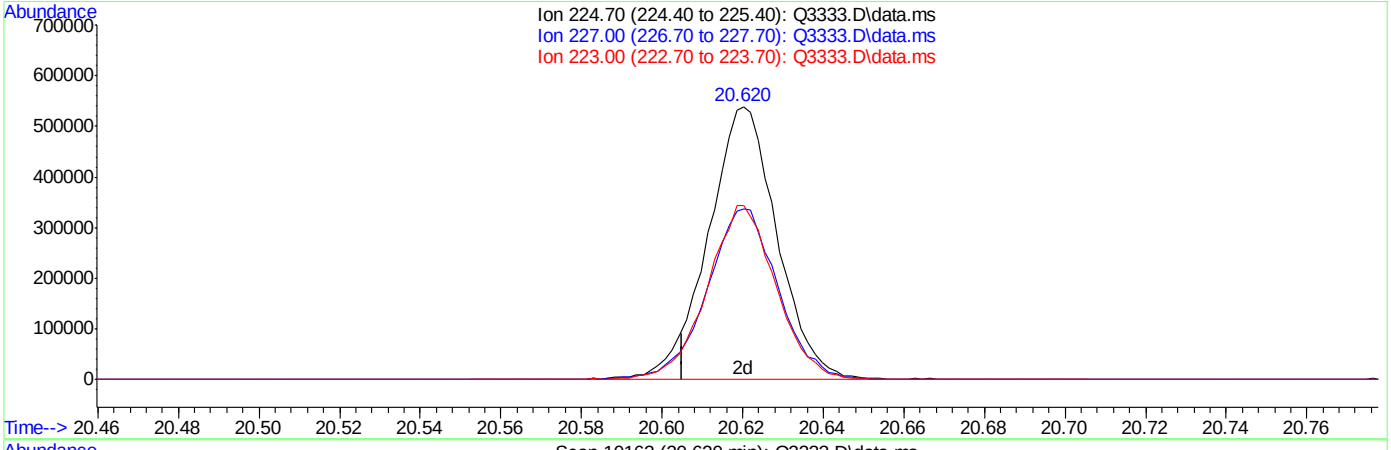
response 641593

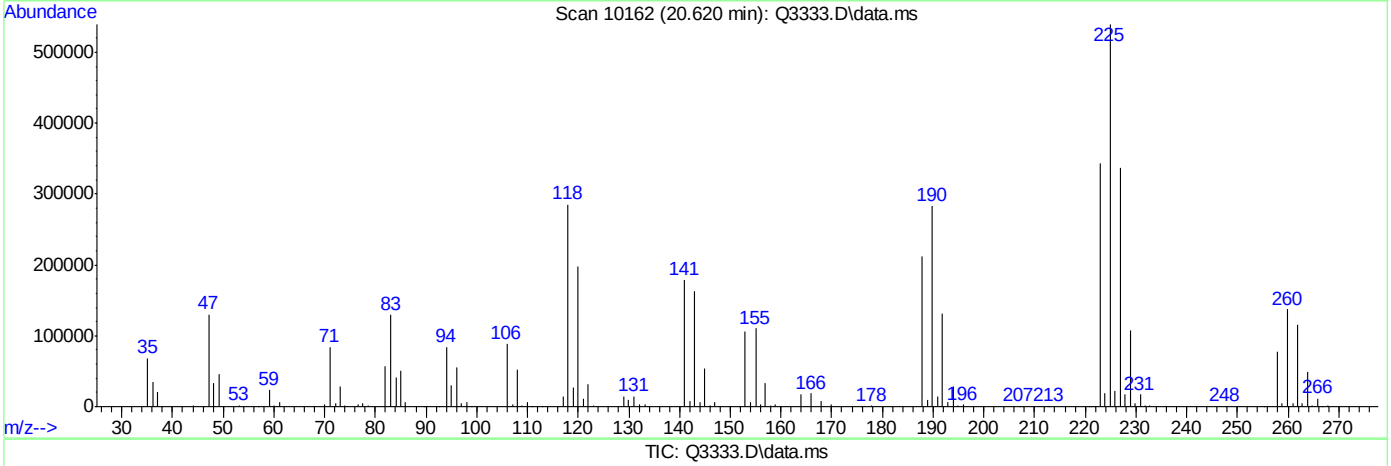
Ion	Exp%	Act%
224.70	100	100
227.00	64.20	91.10#
223.00	62.30	90.08#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3333.D
Acq On : 3 May 2007 5:52 pm
Operator : PhilipB
Sample : IC180-40 (M105)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 04 14:39:50 2007
Quant Method : C:\msdchem\1\METHODS\Q042607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 03 16:43:37 2007
Response via : Initial Calibration





(72) HEXACHLOROBUTADIENE (m)

20.620min (-0.191) 47.68PPBV m

response 644343

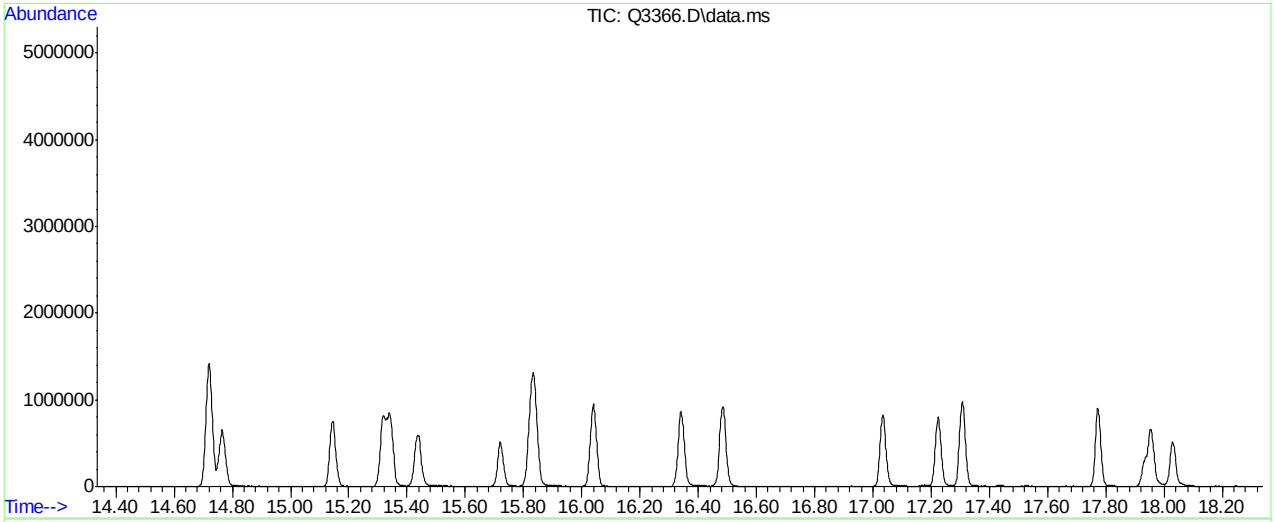
Ion	Exp%	Act%
224.70	100	100
227.00	64.20	90.71#
223.00	62.30	89.69#
0.00	0.00	0.00

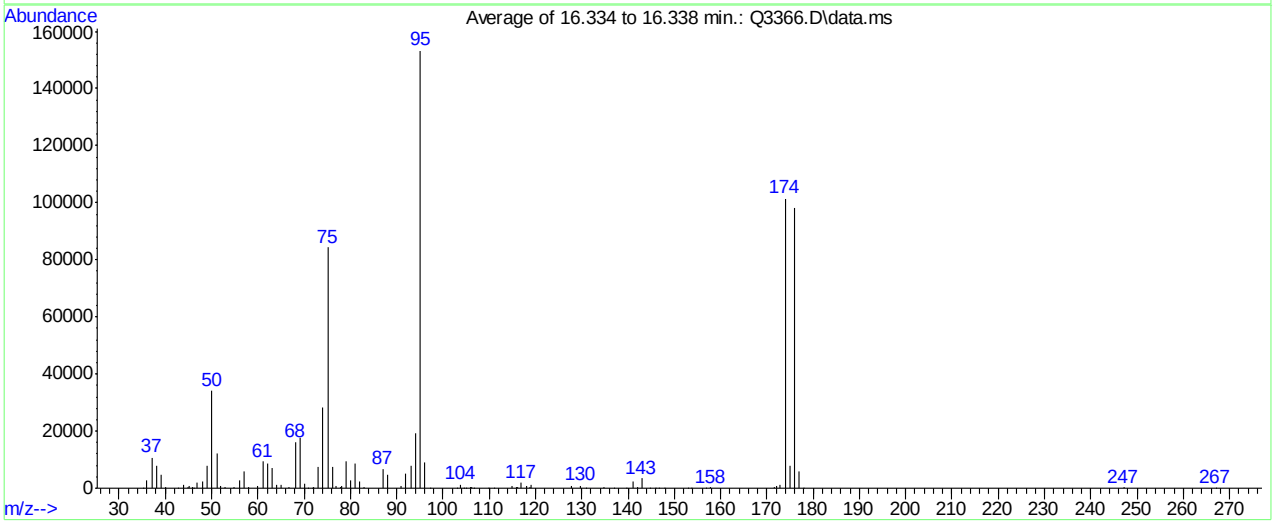
BFB

Data File : C:\msdchem\1\DATA\Q3366.D
Acq On : 8 May 2007 12:16 pm
Sample : CC180-10 (M148)
Misc : MS13508,MSQ183,,,,,1
MS Integration Params: LSCINT.P

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

Method : C:\msdchem\1\METHODS\Q050307T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um





Spectrum Information: Average of 16.334 to 16.338 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	22.3	34157	PASS
75	95	30	66	55.0	84365	PASS
95	95	100	100	100.0	153322	PASS
96	95	5	9	5.9	8986	PASS
173	174	0.00	2	1.3	1350	PASS
174	95	50	120	66.2	101493	PASS
175	174	4	9	7.7	7859	PASS
176	174	93	101	96.9	98341	PASS
177	176	5	9	5.9	5825	PASS

Q3366.D Q050307T.m Wed May 09 13:45:42 2007 RPT1

Average of 16.334 to 16.338 min.: Q3366.D\data.ms
CC180-10 (M148)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.30	196	46.10	186	58.00	219	70.80	142
35.95	2741	46.90	1859	59.95	996	71.90	152
37.10	10797	47.95	2396	61.10	9262	72.15	517
38.10	7943	49.05	7767	62.05	8560	73.05	7280
39.15	4799	50.10	34157	63.05	6981	74.10	28144
40.00	436	51.10	12076	63.95	1273	75.10	84365
42.70	151	51.95	714	64.95	1376	76.05	7612
43.95	1365	52.90	465	66.80	248	76.85	684
44.90	343	54.90	280	68.05	16150	77.90	327
45.15	916	56.05	2624	69.05	17815	78.10	689
45.90	289	57.05	5928	70.05	1596	79.00	9440

Average of 16.334 to 16.338 min.: Q3366.D\data.ms
CC180-10 (M148)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
80.05	2760	96.05	8986	114.85	626	137.00	172
81.05	8474	97.20	162	115.80	342	139.70	140
81.95	2522	103.00	148	116.05	432	141.00	2417
82.90	221	103.85	1334	116.90	1808	142.05	473
87.05	6702	104.60	211	118.00	933	142.95	3503
87.95	4581	104.90	165	118.70	270	144.70	150
90.90	968	105.85	551	119.00	1057	146.00	157
92.00	5112	106.20	300	127.85	651	146.70	153
93.15	7693	106.80	155	129.80	825	147.80	161
94.10	19368	109.80	204	130.90	133	152.90	139
95.10	153322	111.00	208	134.90	456	153.70	137

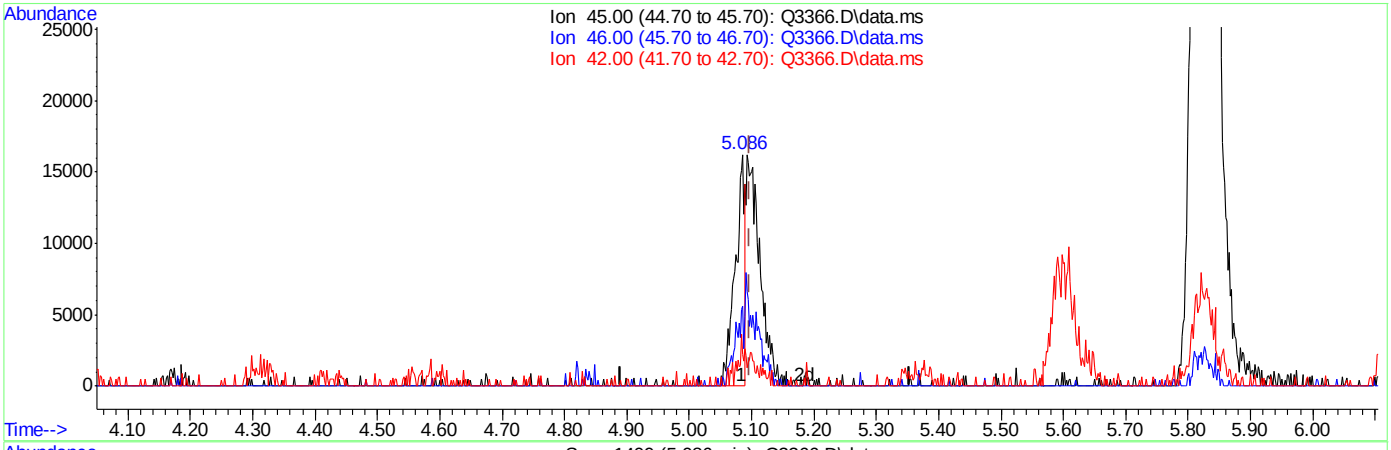
Average of 16.334 to 16.338 min.: Q3366.D\data.ms
CC180-10 (M148)

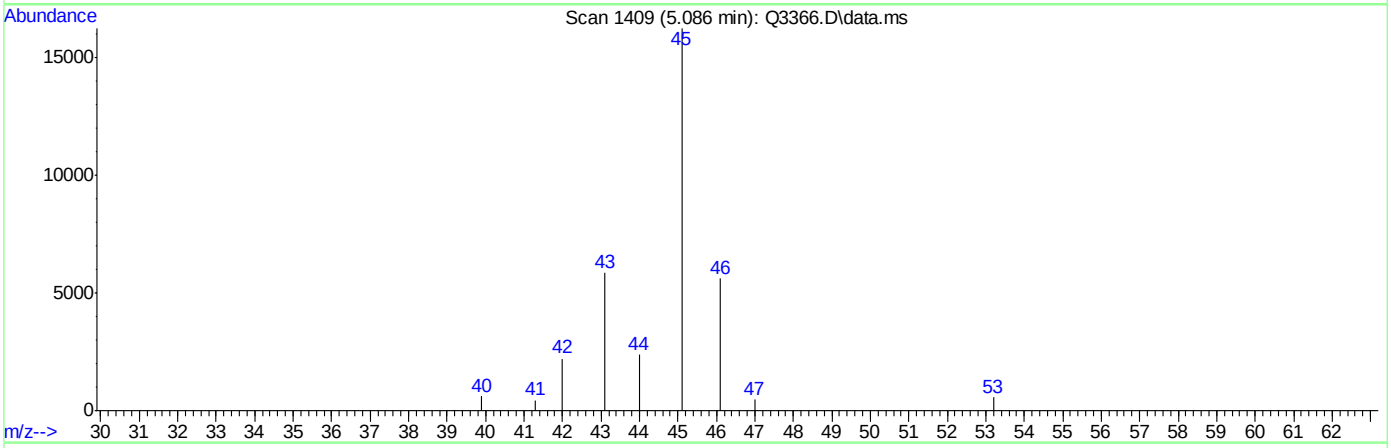
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
156.90	135	267.00	133				
157.90	222						
171.50	270						
172.05	971						
172.85	1350						
174.00	101493						
174.95	7859						
176.00	98341						
176.90	5825						
177.90	181						
247.20	250						

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3366.D
Acq On : 8 May 2007 12:16 pm
Operator : PhilipB
Sample : CC180-10 (M148)
Misc : MS13508,MSQ183,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 09 13:44:42 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration





TIC: Q3366.D\data.ms

(16) ETHANOL (m)

5.086min (-0.011) 3.85PPBV

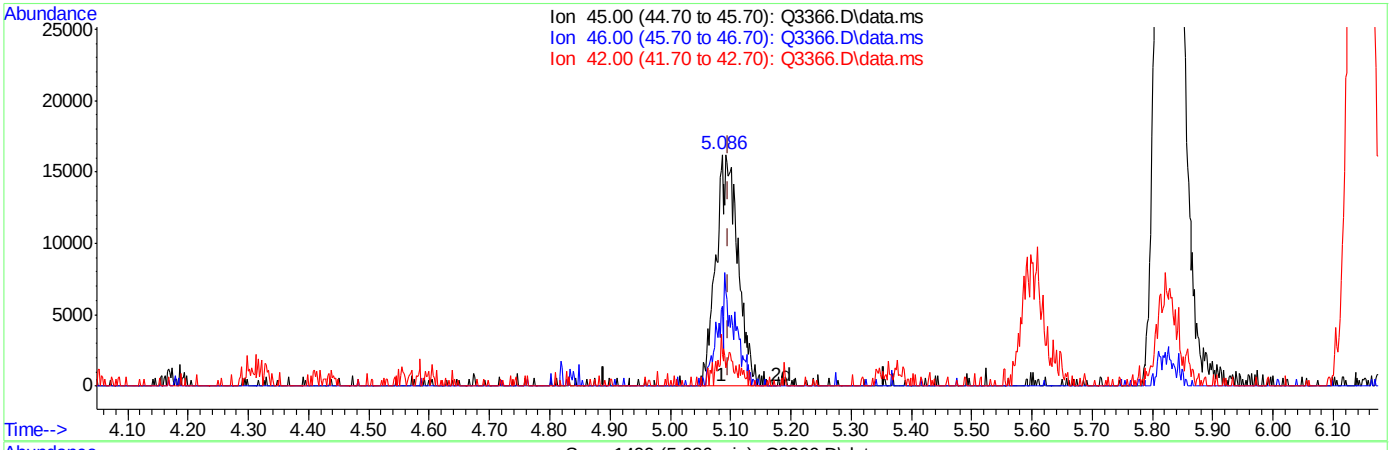
response 16677

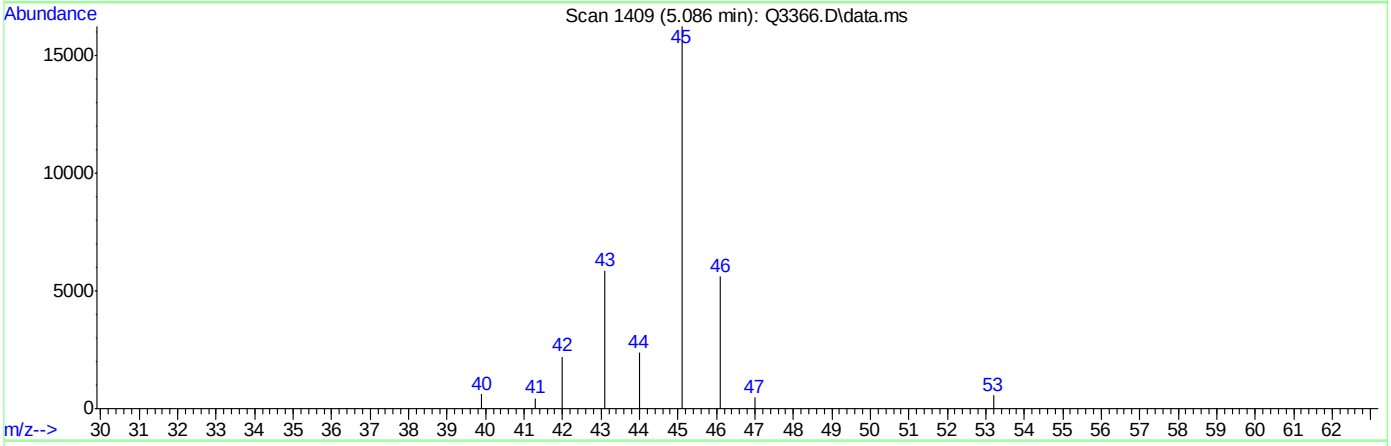
Ion	Exp%	Act%
45.00	100	100
46.00	30.60	56.05#
42.00	4.60	16.51
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3366.D
Acq On : 8 May 2007 12:16 pm
Operator : PhilipB
Sample : CC180-10 (M148)
Misc : MS13508,MSQ183,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 09 13:44:42 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration





TIC: Q3366.D\data.ms

(16) ETHANOL (m)

5.086min (-0.011) 9.16PPBV m

response 41557

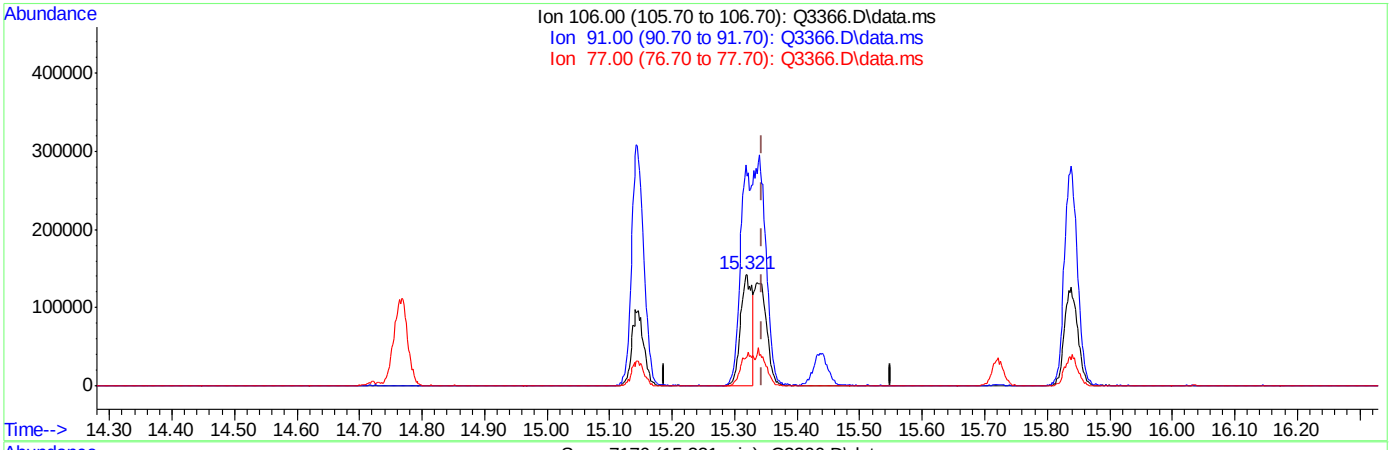
Ion	Exp%	Act%
45.00	100	100
46.00	30.60	22.49
42.00	4.60	6.63
0.00	0.00	0.00

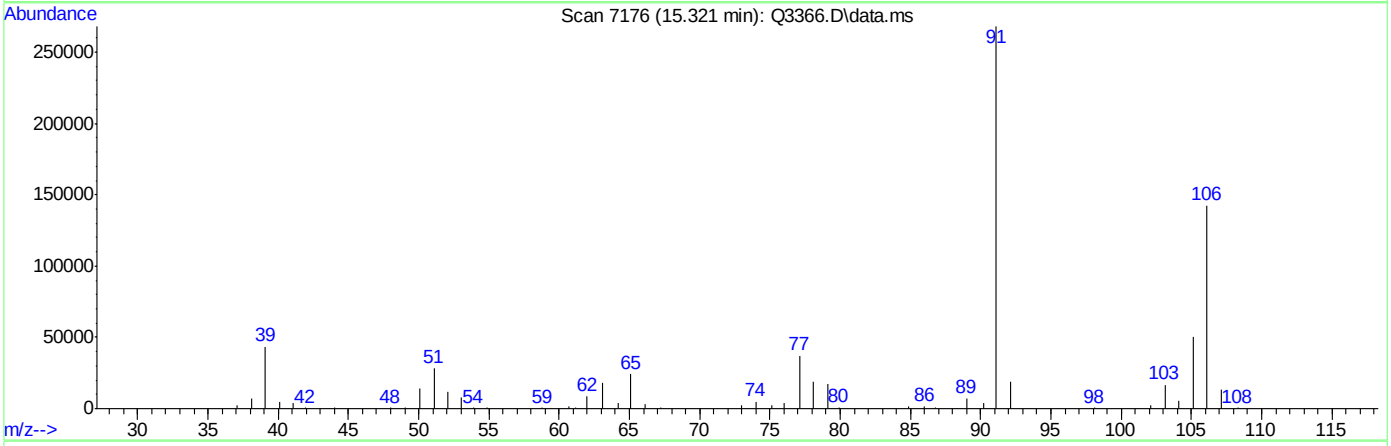
ACCUTEST Laboratories M64809

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3366.D
Acq On : 8 May 2007 12:16 pm
Operator : PhilipB
Sample : CC180-10 (M148)
Misc : MS13508,MSQ183,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 09 13:44:42 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration





TIC: Q3366.D\data.ms

(56) m,p-XYLENE (m)

15.321min (-0.023) 9.82PPBV

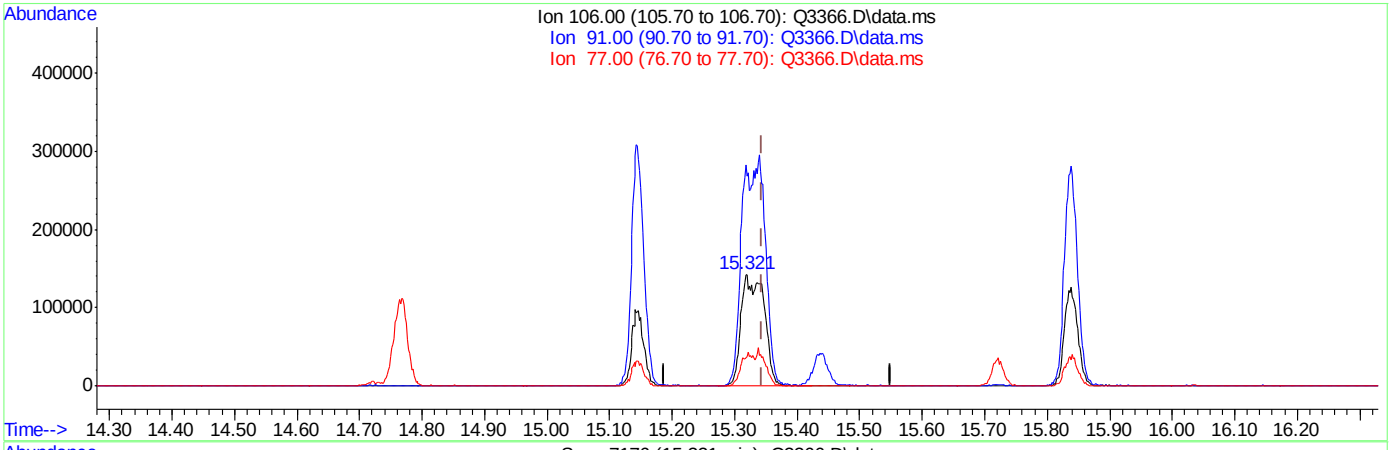
response 185479

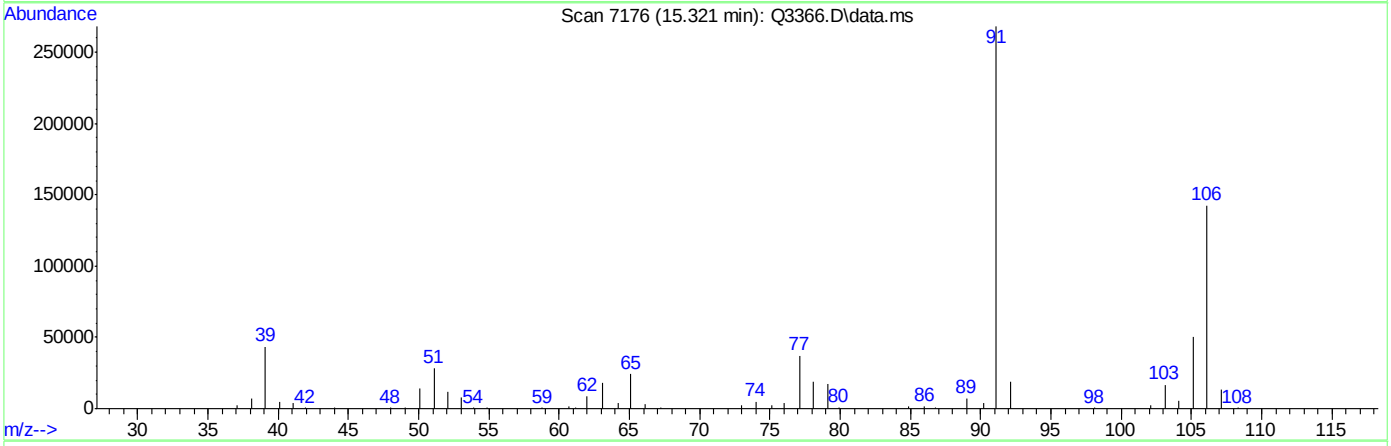
Ion	Exp%	Act%
106.00	100	100
91.00	212.80	188.02
77.00	31.20	25.96
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3366.D
Acq On : 8 May 2007 12:16 pm
Operator : PhilipB
Sample : CC180-10 (M148)
Misc : MS13508,MSQ183,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 09 13:44:42 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration





TIC: Q3366.D\data.ms

(56) m,p-XYLENE (m)

15.321min (-0.023) 19.61PPBV m

response 370324

Ion	Exp%	Act%
106.00	100	100
91.00	212.80	188.02
77.00	31.20	25.96
0.00	0.00	0.00

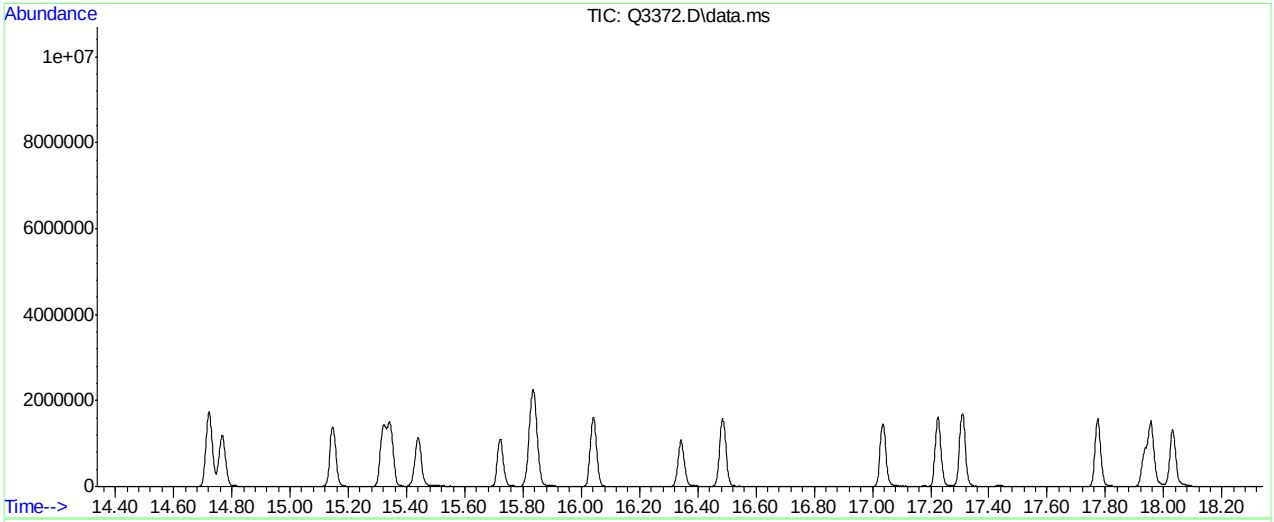
ACCUTEST Laboratories M64809

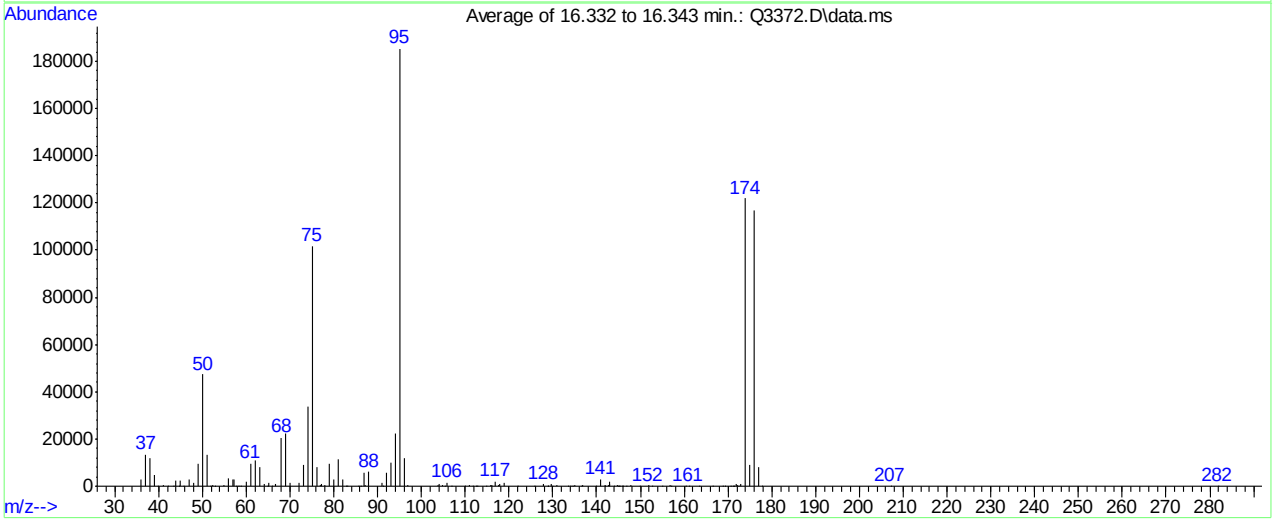
BFB

Data File : C:\msdchem\1\DATA\Q3372.D
Acq On : 9 May 2007 1:11 pm
Sample : CC180-10 (M148)
Misc : MS13535,MSQ184,,,,,1
MS Integration Params: LSCINT.P

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

Method : C:\msdchem\1\METHODS\Q050307T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um





Spectrum Information: Average of 16.332 to 16.343 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	25.5	47366	PASS
75	95	30	66	54.9	101754	PASS
95	95	100	100	100.0	185450	PASS
96	95	5	9	6.3	11758	PASS
173	174	0.00	2	0.9	1130	PASS
174	95	50	120	65.7	121926	PASS
175	174	4	9	7.4	9004	PASS
176	174	93	101	95.8	116765	PASS
177	176	5	9	6.8	7893	PASS

Q3372.D Q050307T.m Fri May 11 09:41:20 2007 RPT1

Average of 16.332 to 16.343 min.: Q3372.D\data.ms
CC180-10 (M148)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	2920	45.70	142	57.00	2966	65.05	1340
37.05	13512	47.05	2640	57.15	3063	65.85	249
38.10	11983	47.90	1528	57.80	69	66.80	761
39.05	4658	49.05	9686	58.20	60	68.05	20447
39.90	223	50.10	47366	58.70	68	69.05	22362
41.00	305	51.05	13504	60.05	2109	70.00	1674
42.00	119	51.85	210	61.05	9701	72.10	1342
43.40	64	52.25	514	62.05	10790	73.05	9272
44.00	2484	52.90	92	63.05	8016	74.05	33541
44.80	152	55.00	627	64.10	1155	75.10	101754
45.00	2201	56.05	3445	64.80	86	76.10	8129

Average of 16.332 to 16.343 min.: Q3372.D\data.ms
CC180-10 (M148)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
76.85	494	86.95	5848	103.75	376	114.70	90
77.25	1137	87.20	428	103.95	943	115.85	444
77.85	468	87.95	6087	104.90	371	116.05	354
78.95	9674	90.95	1343	105.20	129	116.90	1959
79.95	2967	91.30	144	105.90	1475	117.70	259
81.00	11400	92.05	5901	106.90	75	117.85	881
82.00	3047	93.05	9763	109.90	92	118.95	1502
82.90	139	94.05	22345	110.90	302	121.90	59
83.10	81	95.05	185450	111.85	175	125.85	205
85.70	70	96.05	11758	112.50	85	127.90	881
86.10	146	96.95	277	112.85	170	128.80	179

Average of 16.332 to 16.343 min.: Q3372.D\data.ms
CC180-10 (M148)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
128.95	224	141.00	2974	145.70	181	161.00	93
129.75	755	141.90	325	145.90	87	163.50	57
130.00	97	142.05	143	146.70	110	166.60	69
130.90	286	142.80	702	147.80	454	168.90	63
133.50	111	142.90	2003	149.90	58	169.20	58
134.00	58	143.05	975	151.80	285	170.50	64
134.60	58	143.85	137	152.70	70	171.00	78
134.95	259	144.85	340	154.90	177	171.40	63
136.45	132	144.90	58	156.70	256	171.85	916
136.90	593	145.00	65	157.00	180	172.05	492
139.80	61	145.20	61	160.40	65	172.50	160

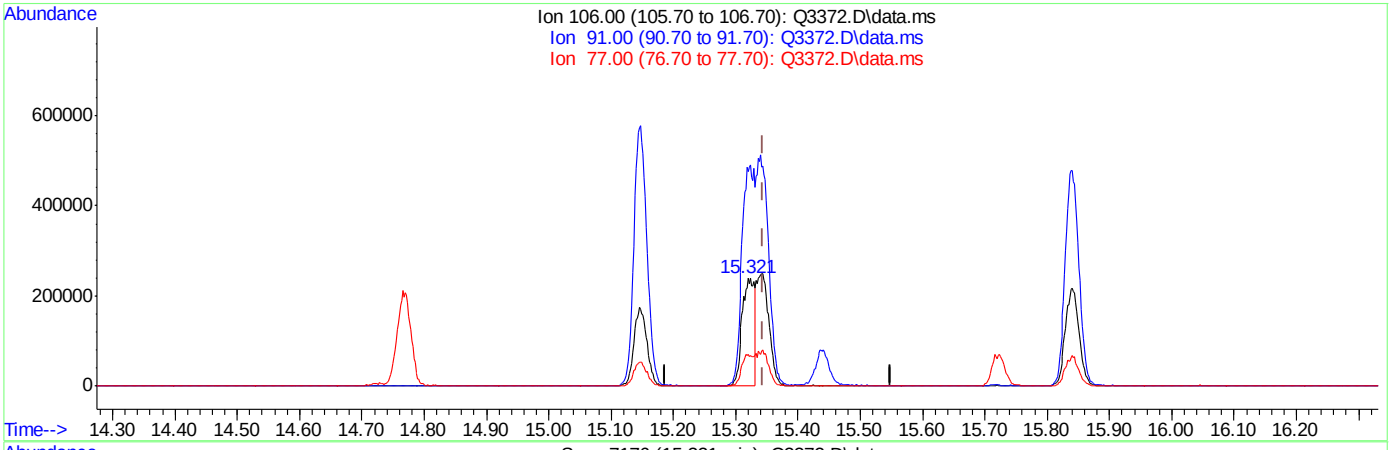
Average of 16.332 to 16.343 min.: Q3372.D\data.ms
CC180-10 (M148)

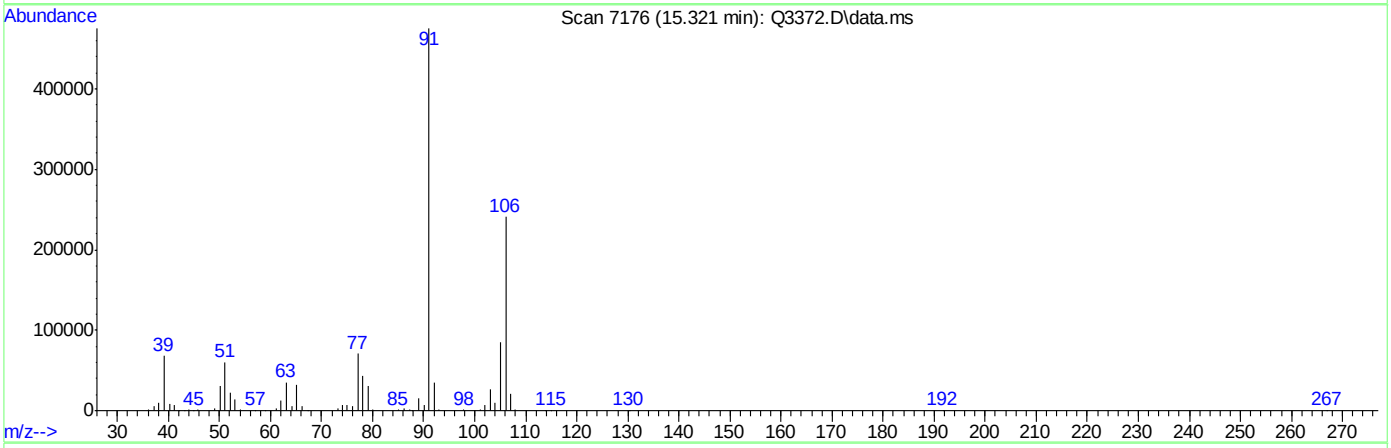
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
172.95	1130						
173.95	121926						
175.00	9004						
175.95	116765						
176.90	7893						
177.80	80						
207.10	70						
281.90	63						

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3372.D
Acq On : 9 May 2007 1:11 pm
Operator : PhilipB
Sample : CC180-10 (M148)
Misc : MS13535,MSQ184,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 11 09:39:48 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration





TIC: Q3372.D\data.ms

(56) m,p-XYLENE (m)

15.321min (-0.023) 14.45PPBV

response 335714

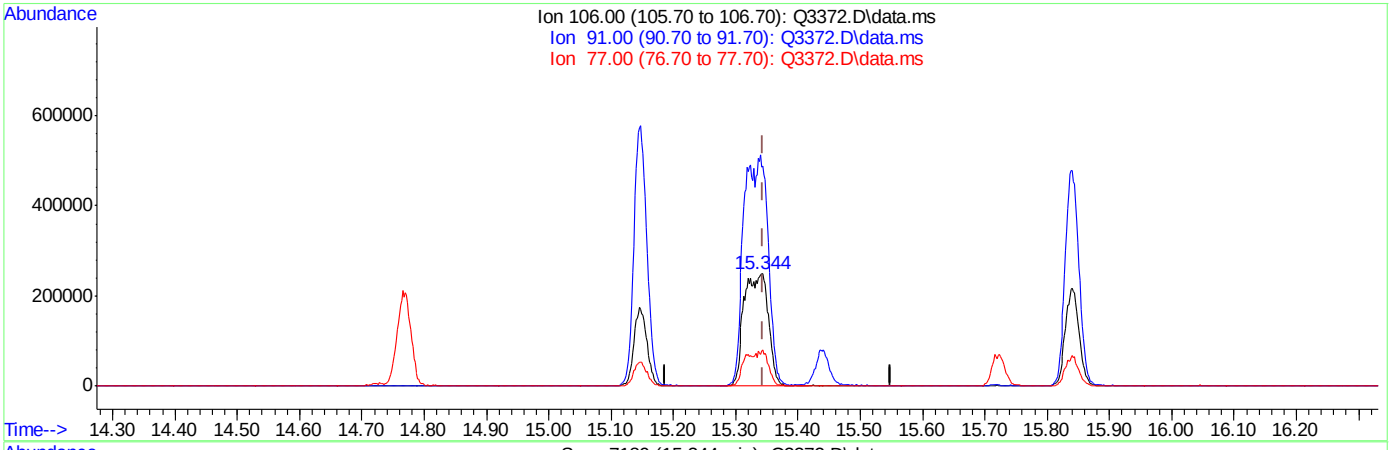
Ion	Exp%	Act%
106.00	100	100
91.00	212.80	197.45
77.00	31.20	29.36
0.00	0.00	0.00

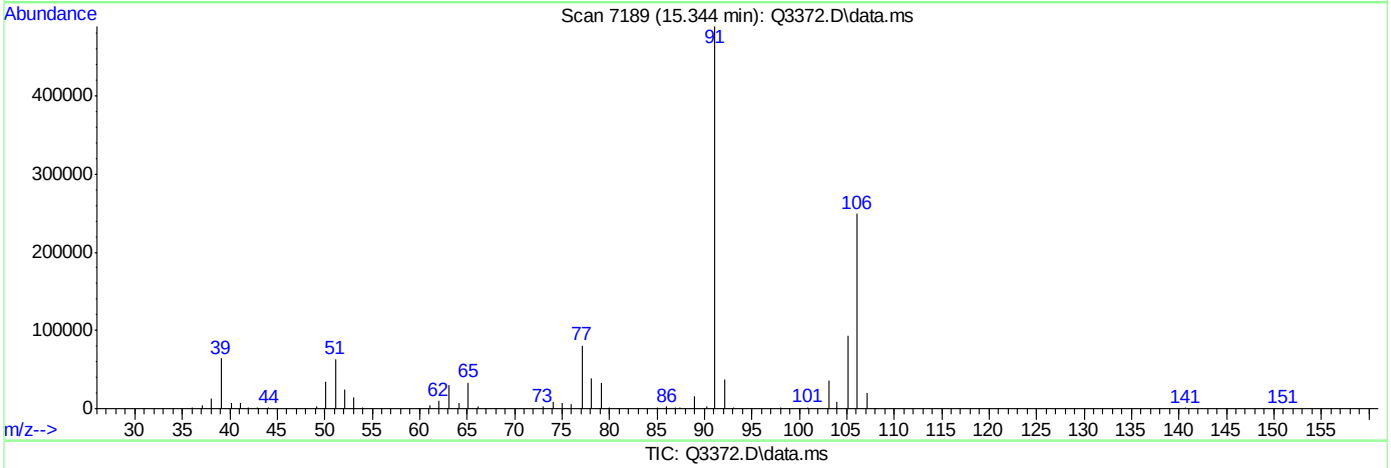
ACCUTEST Laboratories M64809

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3372.D
Acq On : 9 May 2007 1:11 pm
Operator : PhilipB
Sample : CC180-10 (M148)
Misc : MS13535,MSQ184,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 11 09:39:48 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration





TIC: Q3372.D\data.ms

(56) m,p-XYLENE (m)

15.344min (+0.000) 29.33PPBV m

response 681599

Ion	Exp%	Act%
106.00	100	100
91.00	212.80	196.27
77.00	31.20	32.52
0.00	0.00	0.00

ACCUTEST Laboratories M64809

Manual Integrations APPROVED (compounds with "m" flag)
Philip Bassignani
05/11/07 16:37

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10277.D
Acq On : 9 May 2007 6:39 pm
Operator : danat
Sample : IC533-0.2 (M058)
Misc : MS13434, MSJ533,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 10 08:40:19 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 10 08:35:02 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	344690	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.43	114	1460896	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.67	117	1214337	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.29	95	295885	4.04	PPBV	0.00
Spiked Amount 5.000	Range 51 - 142		Recovery = 80.80%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.07	85	26123	0.22	PPBV #	52
3) PROPYLENE	4.00	41	1240m	0.09	PPBV	
4) FREON 114	4.32	85	22207	0.22	PPBV	98
5) CHLOROMETHANE	4.22	50	4633m	0.21	PPBV	
6) VINYL CHLORIDE	4.46	62	5596	0.20	PPBV #	66
7) 1,3-BUTADIENE	4.59	39	2028	0.11	PPBV	91
8) BROMOMETHANE	4.85	94	6867	0.20	PPBV #	70
9) CHLOROETHANE	5.04	64	1417m	0.12	PPBV	
10) TRICHLOROFLUOROMETHANE	5.79	101	27025	0.22	PPBV	96
11) ISOPROPYL ALCOHOL	6.05	45	6895m	0.28	PPBV	
12) ACETONE	5.68	43	14047	0.43	PPBV	97
13) PENTANE	6.14	42	3329	0.16	PPBV #	60
14) 1,1-DICHLOROETHYLENE	6.42	96	5906m	0.19	PPBV	
15) CARBON DISULFIDE	6.85	76	20235	0.22	PPBV #	77
17) BROMOETHENE	5.38	106	5175	0.16	PPBV #	94
19) 3-CHLOROPROPENE	6.66	39	3960	0.20	PPBV #	58
20) FREON 113	6.79	151	17449	0.24	PPBV	92
21) TRANS-1,2-DICHLOROETHYLENE	7.46	96	5737	0.19	PPBV	95
23) METHYL TERTIARY BUTYL ETHE	7.76	73	7657	0.13	PPBV	86
25) HEXANE	8.63	57	8678	0.27	PPBV	96
27) 1,1-DICHLOROETHANE	7.66	63	9424	0.19	PPBV	97
28) METHYL ETHYL KETONE	8.11	43	5063	0.16	PPBV #	54
29) cis-1,2-DICHLOROETHYLENE	8.46	96	4723	0.17	PPBV	94
30) ETHYL ACETATE	8.72	43	5570m	0.16	PPBV	
31) CHLOROFORM	8.75	83	14593	0.20	PPBV	95
32) 1,1,1-TRICHLOROETHANE	9.68	97	16547	0.20	PPBV	100
33) CARBON TETRACHLORIDE	10.25	117	22639	0.21	PPBV	99
34) 1,2-DICHLOROETHANE	9.45	62	7449	0.19	PPBV #	67
36) BENZENE	10.12	78	10499	0.16	PPBV	77
37) CYCLOHEXANE	10.37	84	3863	0.13	PPBV	92
38) TRICHLOROETHYLENE	11.12	95	5440	0.15	PPBV	96
39) 1,2-DICHLOROPROPANE	10.90	63	3567	0.17	PPBV	87
40) BROMODICHLOROMETHANE	11.08	83	13502	0.20	PPBV	100
41) 2,2,4-TRIMETHYLPENTANE	11.12	57	10934	0.11	PPBV	74
43) HEPTANE	11.36	43	2910	0.10	PPBV #	72
45) cis-1,3-DICHLOROPROPENE	11.94	75	3432	0.11	PPBV	90
46) TOLUENE	12.88	92	4977	0.11	PPBV #	74
47) trans-1,3-DICHLOROPROPENE	12.43	75	2652	0.09	PPBV #	66
48) 1,1,2-TRICHLOROETHANE	12.62	83	4402	0.18	PPBV	97
51) TETRACHLOROETHYLENE	14.01	164	7177	0.17	PPBV	96
52) DIBROMOCHLOROMETHANE	13.32	129	12097	0.18	PPBV	99

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10277.D
Acq On : 9 May 2007 6:39 pm
Operator : danat
Sample : IC533-0.2 (M058)
Misc : MS13434, MSJ533,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 10 08:40:19 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 10 08:35:02 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
53) 1,2-DIBROMOETHANE	13.57	107	6198	0.15	PPBV	90
54) CHLOROBENZENE	14.71	112	10764	0.16	PPBV	82
55) ETHYLBENZENE	15.09	91	8563	0.10	PPBV	92
56) m,p-XYLENE	15.29	106	6881m	0.18	PPBV	
57) o-XYLENE	15.78	106	3329	0.09	PPBV	91
60) BROMOFORM	15.39	173	12175	0.18	PPBV	92
62) 1,1,2,2-TETRACHLOROETHANE	15.79	83	8853	0.15	PPBV	96

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

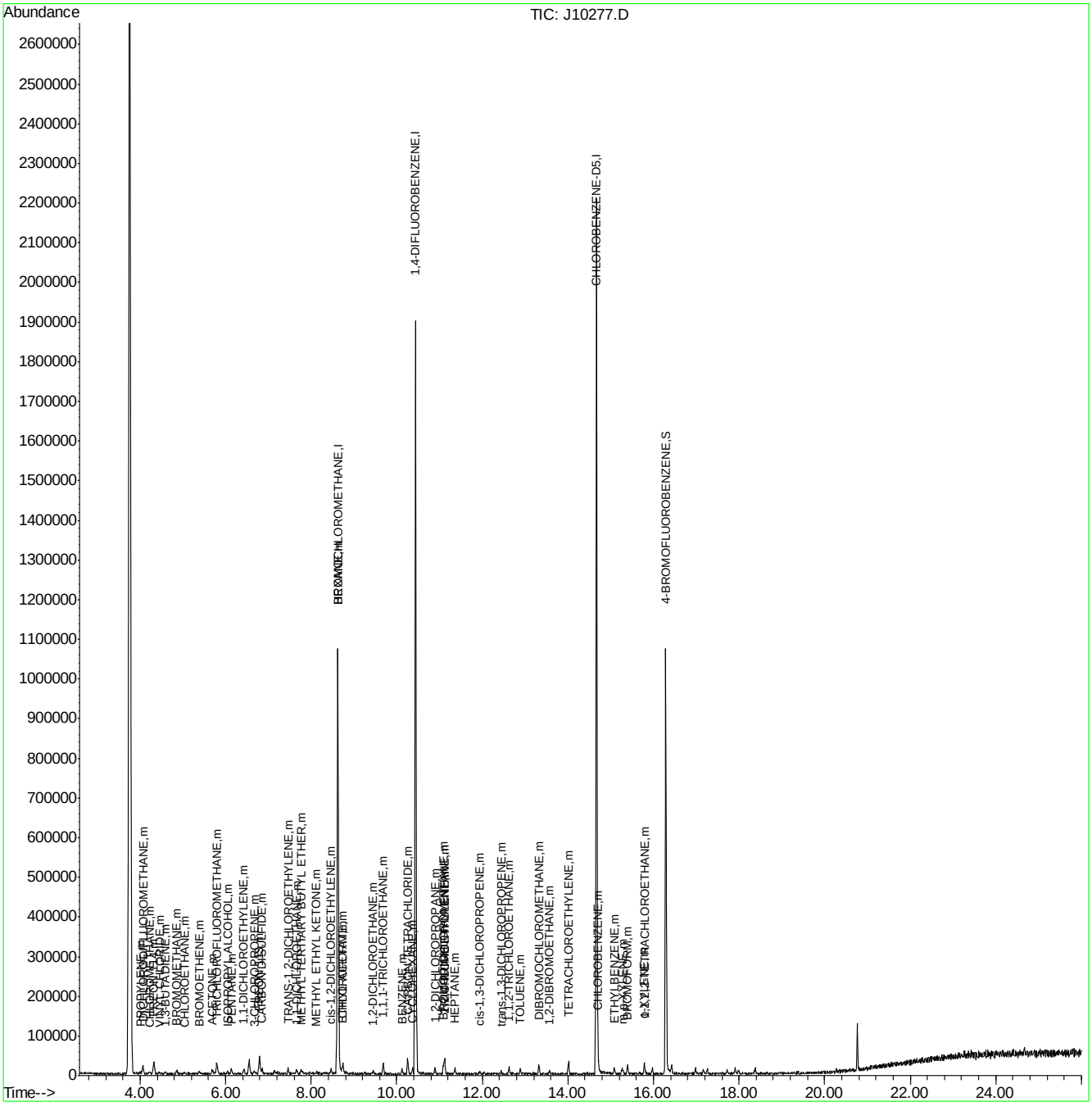
6.7.1

6

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10277.D
Acq On : 9 May 2007 6:39 pm
Operator : danat
Sample : IC533-0.2 (M058)
Misc : MS13434, MSJ533,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 10 08:40:19 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 10 08:35:02 2007
Response via : Initial Calibration

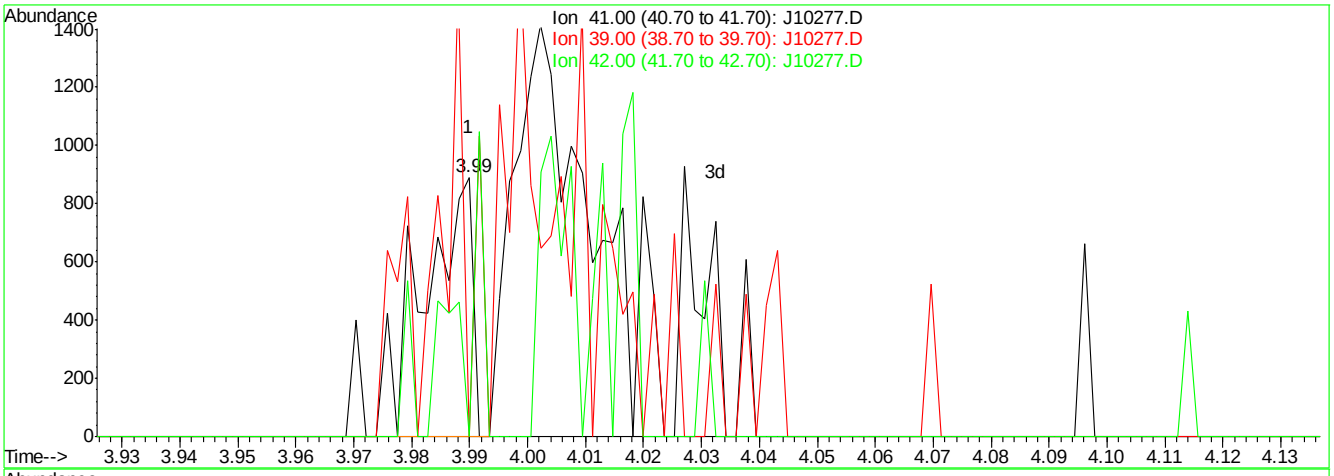


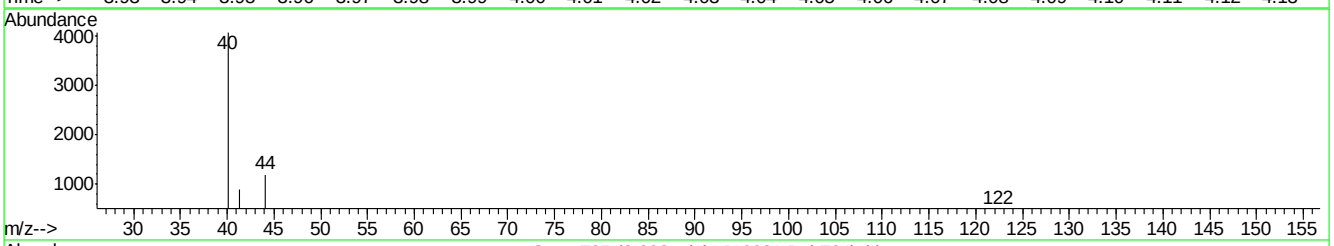
Quantitation Report (Qedit)

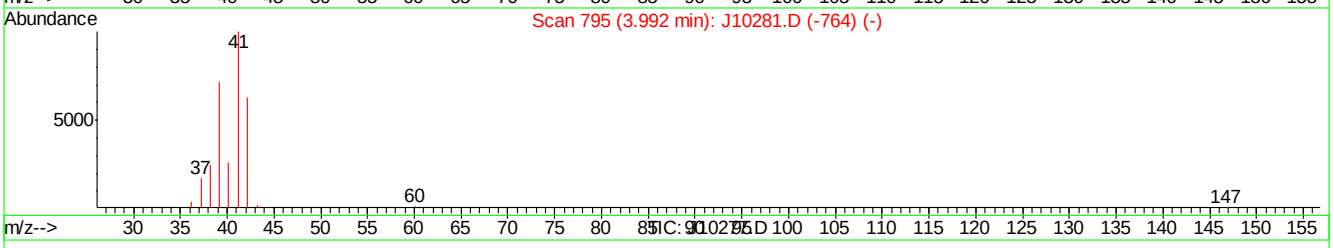
Data File : C:\MSDChem\1\data\J10277.D Vial: 2
Acq On : 9 May 2007 6:39 pm Operator: danat
Sample : IC533-0.2 (M058) Inst : MSJ
Misc : MS13434, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 10 08:35:17 2007 Results File: J050907T.RES

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 08:35:02 2007
Response via : Multiple Level Calibration







(3) PROPYLENE (m)

3.99min 0.04PPBV

response 567

Ion	Exp%	Act%
41.00	100	100
39.00	71.40	0.00#
42.00	62.70	0.00#
0.00	0.00	0.00

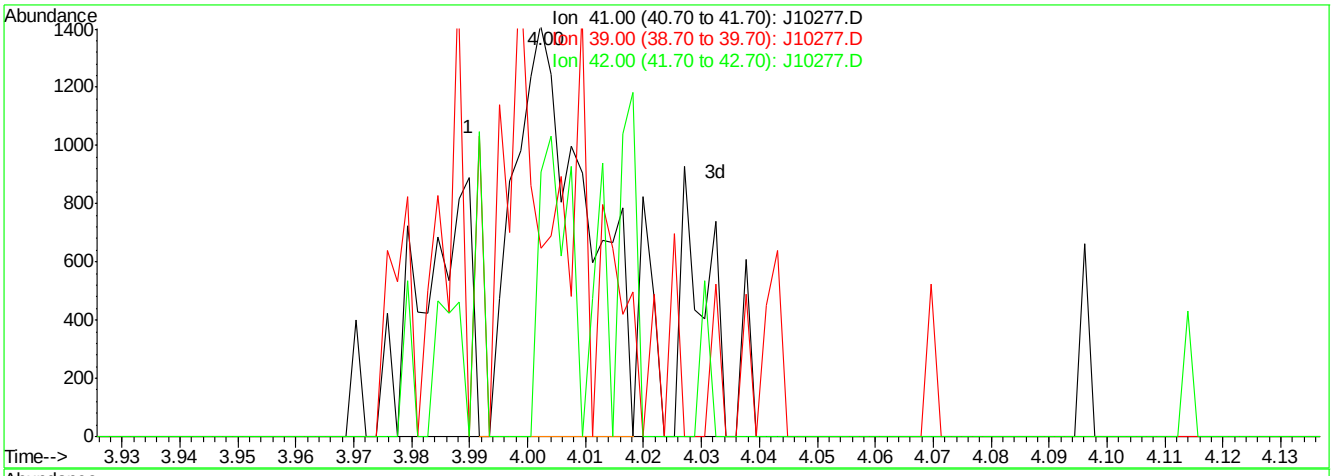
J10277.D J050907T.M Thu May 10 08:35:35 2007

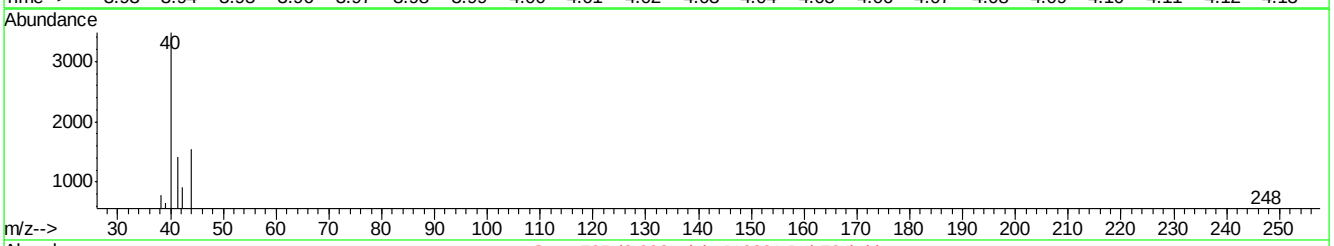
Quantitation Report (Qedit)

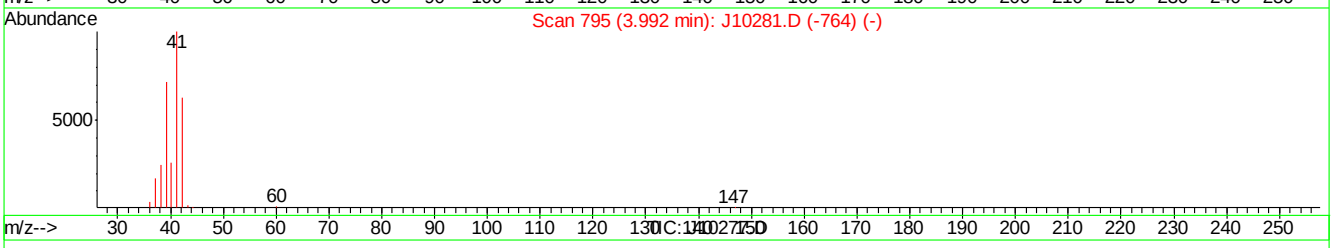
Data File : C:\MSDChem\1\data\J10277.D Vial: 2
Acq On : 9 May 2007 6:39 pm Operator: danat
Sample : IC533-0.2 (M058) Inst : MSJ
Misc : MS13434, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 10 08:35:17 2007 Results File: J050907T.RES

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 08:35:02 2007
Response via : Multiple Level Calibration







(3) PROPYLENE (m)

4.00min 0.09PPBV m

response 1240

Ion	Exp%	Act%
41.00	100	100
39.00	71.40	45.77#
42.00	62.70	64.25
0.00	0.00	0.00

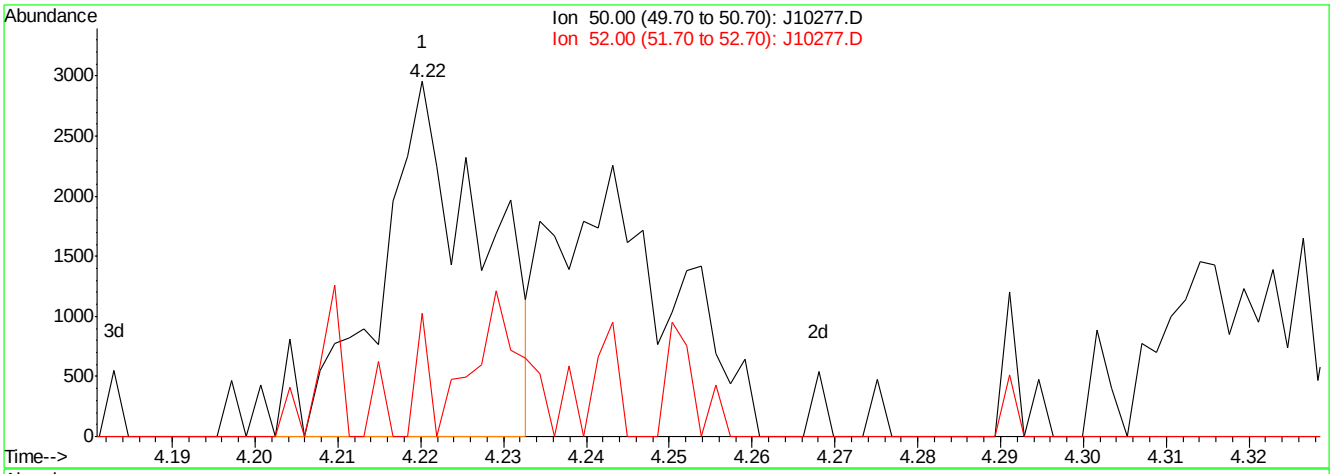
J10277.D J050907T.M Thu May 10 08:35:44 2007

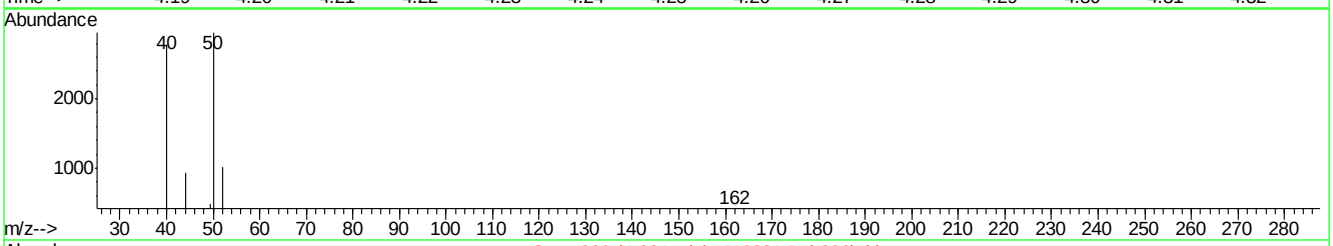
Quantitation Report (Qedit)

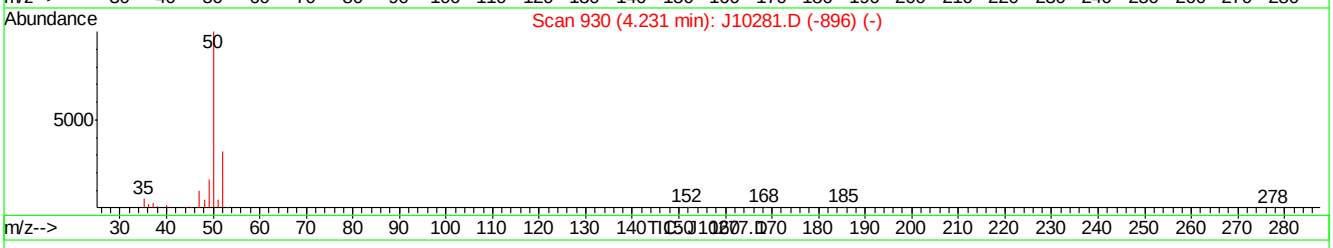
Data File : C:\MSDChem\1\data\J10277.D Vial: 2
Acq On : 9 May 2007 6:39 pm Operator: danat
Sample : IC533-0.2 (M058) Inst : MSJ
Misc : MS13434, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 10 08:35:17 2007 Results File: J050907T.RES

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 08:35:02 2007
Response via : Multiple Level Calibration







(5) CHLOROMETHANE (m)

4.22min 0.12PPBV

response 2652

Ion	Exp%	Act%
50.00	100	100
52.00	32.60	29.05
0.00	0.00	0.00
0.00	0.00	0.00

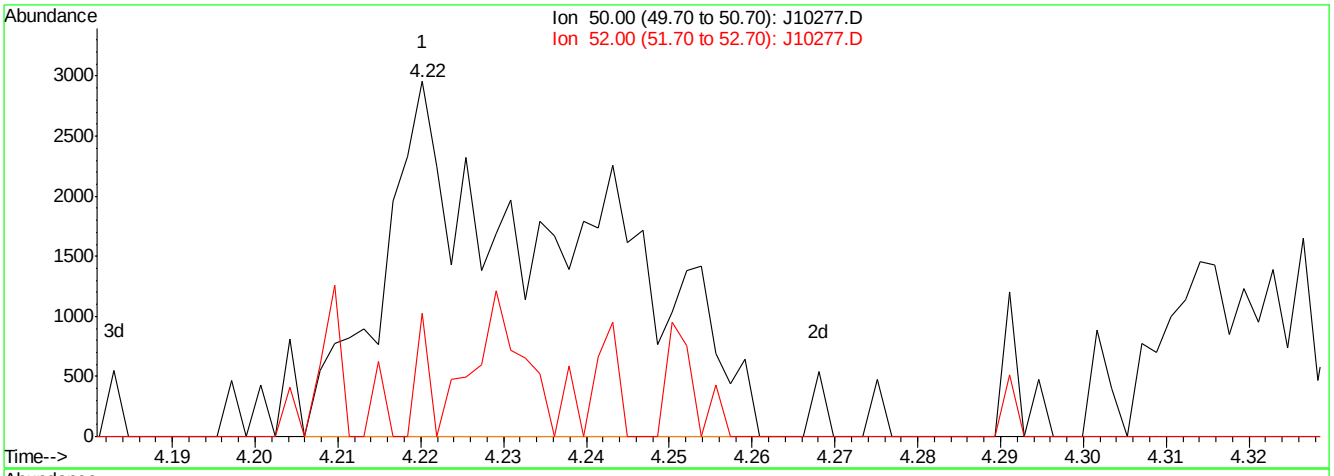
J10277.D J050907T.M Thu May 10 08:35:58 2007

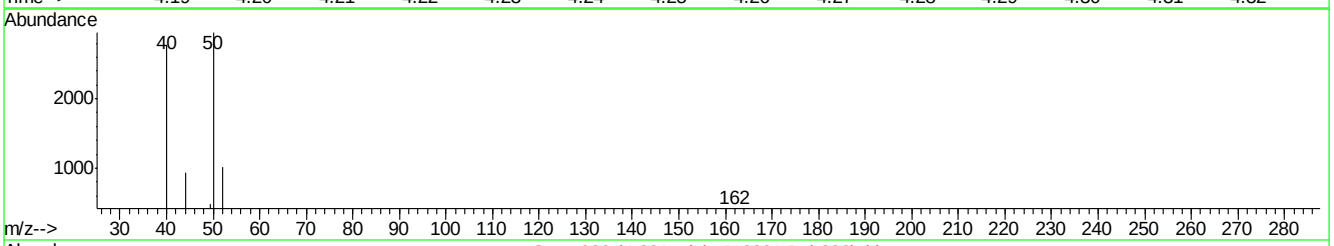
Quantitation Report (Qedit)

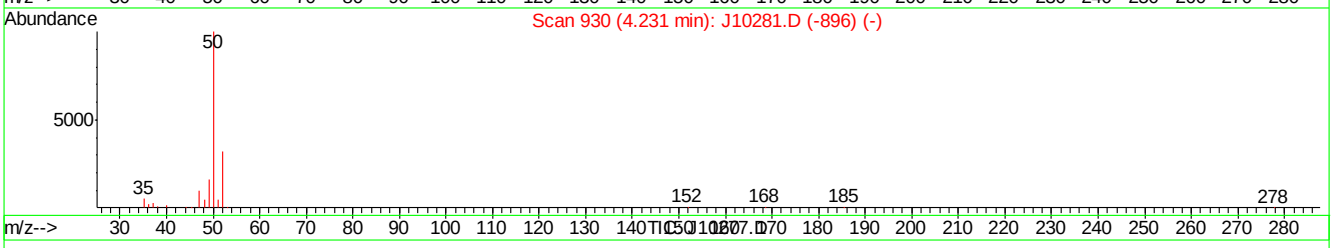
Data File : C:\MSDChem\1\data\J10277.D Vial: 2
Acq On : 9 May 2007 6:39 pm Operator: danat
Sample : IC533-0.2 (M058) Inst : MSJ
Misc : MS13434, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 10 08:35:17 2007 Results File: J050907T.RES

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 08:35:02 2007
Response via : Multiple Level Calibration







(5) CHLOROMETHANE (m)

4.22min 0.21PPBV m

response 4633

Ion	Exp%	Act%
50.00	100	100
52.00	32.60	34.59
0.00	0.00	0.00
0.00	0.00	0.00

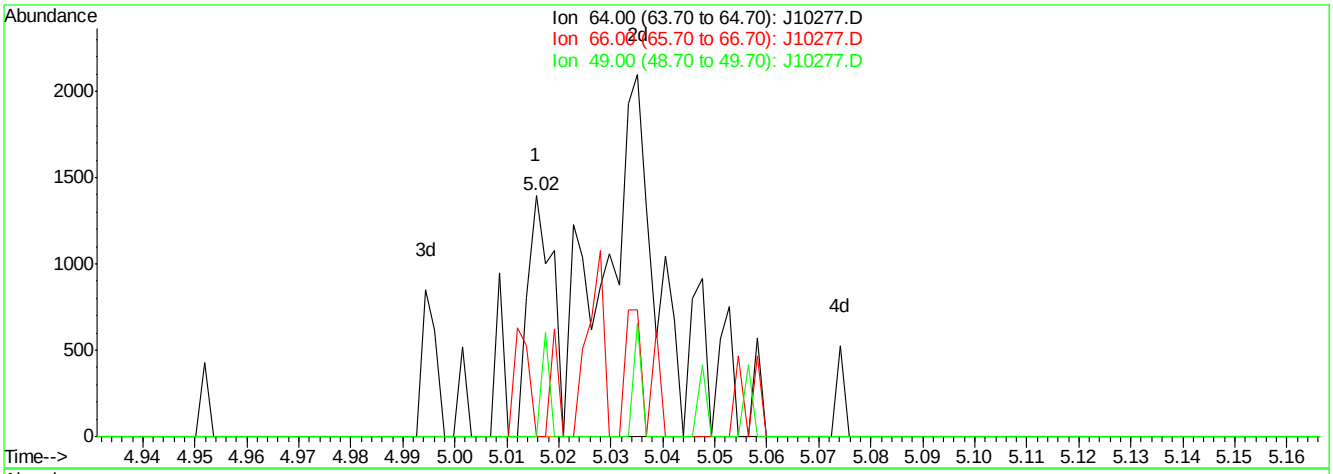
J10277.D J050907T.M Thu May 10 08:36:03 2007

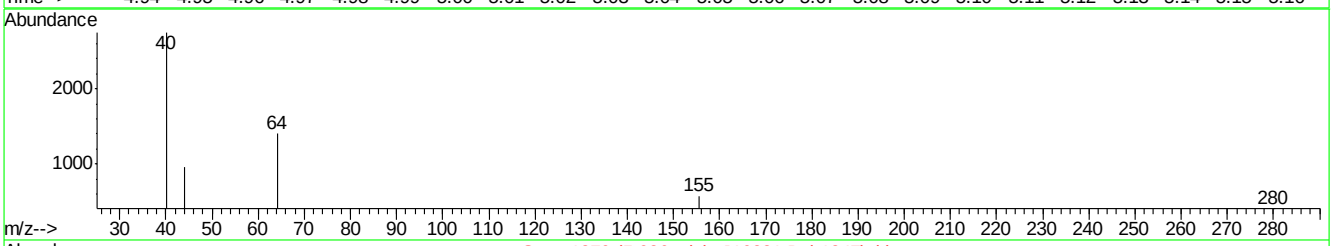
Quantitation Report (Qedit)

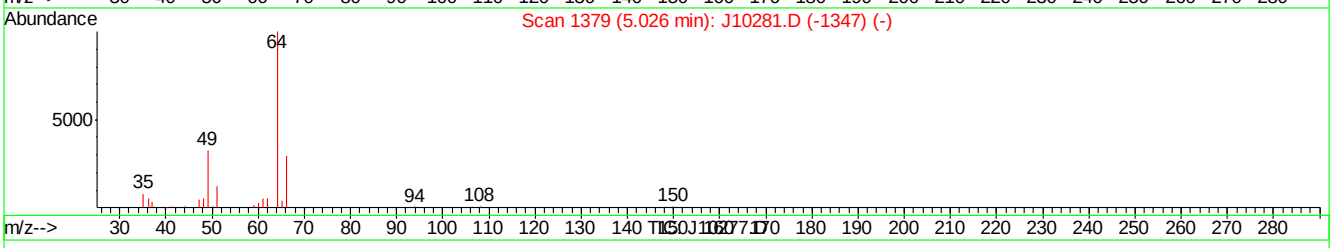
Data File : C:\MSDChem\1\data\J10277.D Vial: 2
Acq On : 9 May 2007 6:39 pm Operator: danat
Sample : IC533-0.2 (M058) Inst : MSJ
Misc : MS13434, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 10 08:35:17 2007 Results File: J050907T.RES

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 08:35:02 2007
Response via : Multiple Level Calibration







(9) CHLOROETHANE (m)

5.02min 0.05PPBV

response 557

Ion	Exp%	Act%
64.00	100	100
66.00	33.10	22.08
49.00	30.20	11.49
0.00	0.00	0.00

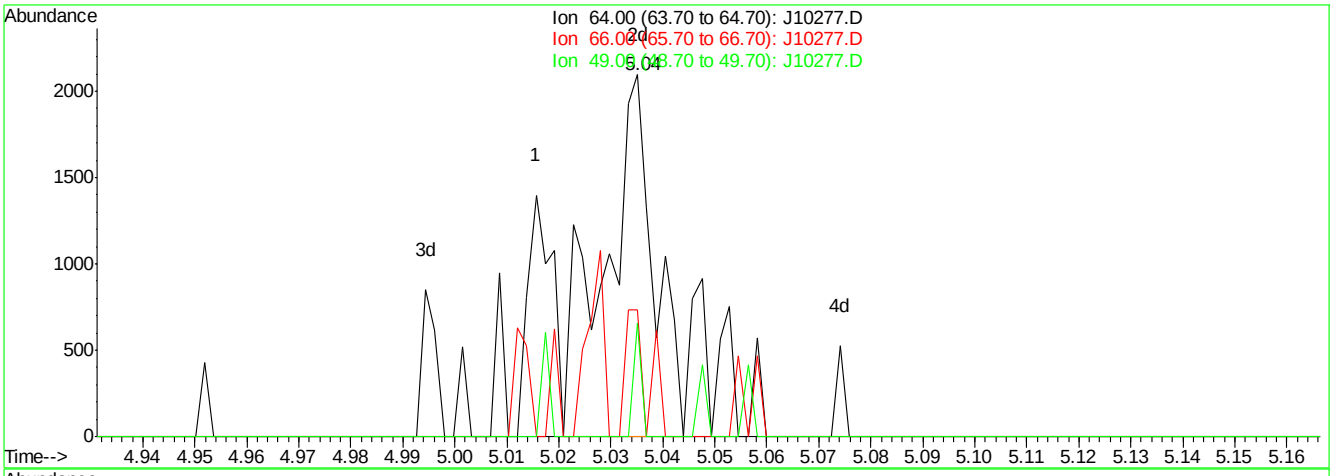
J10277.D J050907T.M Thu May 10 08:36:16 2007

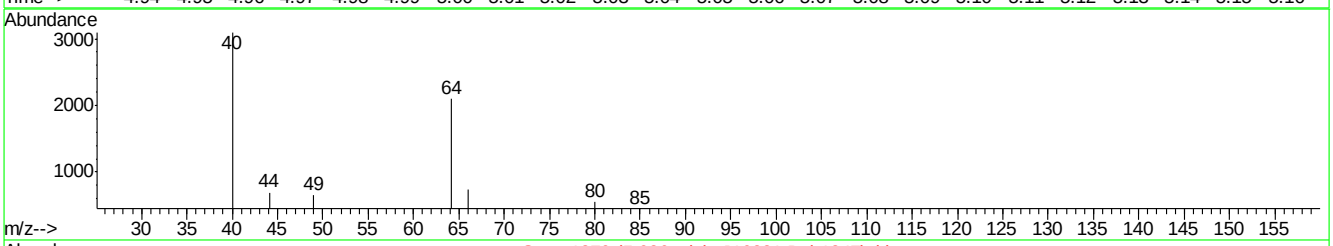
Quantitation Report (Qedit)

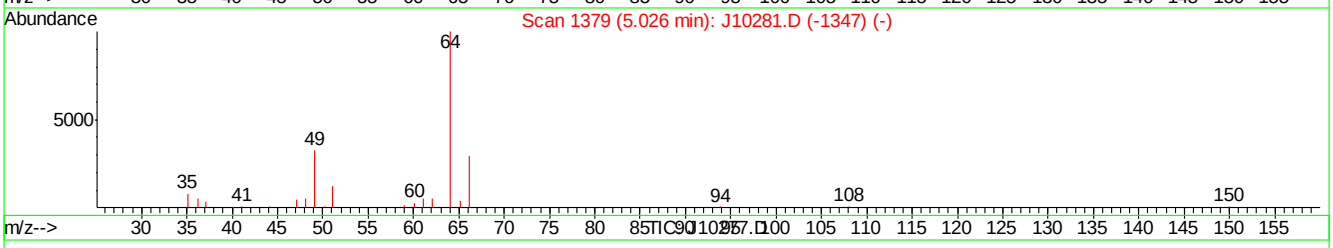
Data File : C:\MSDChem\1\data\J10277.D Vial: 2
Acq On : 9 May 2007 6:39 pm Operator: danat
Sample : IC533-0.2 (M058) Inst : MSJ
Misc : MS13434, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 10 08:35:17 2007 Results File: J050907T.RES

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 08:35:02 2007
Response via : Multiple Level Calibration







(9) CHLOROETHANE (m)

5.04min 0.12PPBV m

response 1417

Ion	Exp%	Act%
64.00	100	100
66.00	33.10	8.68#
49.00	30.20	4.52#
0.00	0.00	0.00

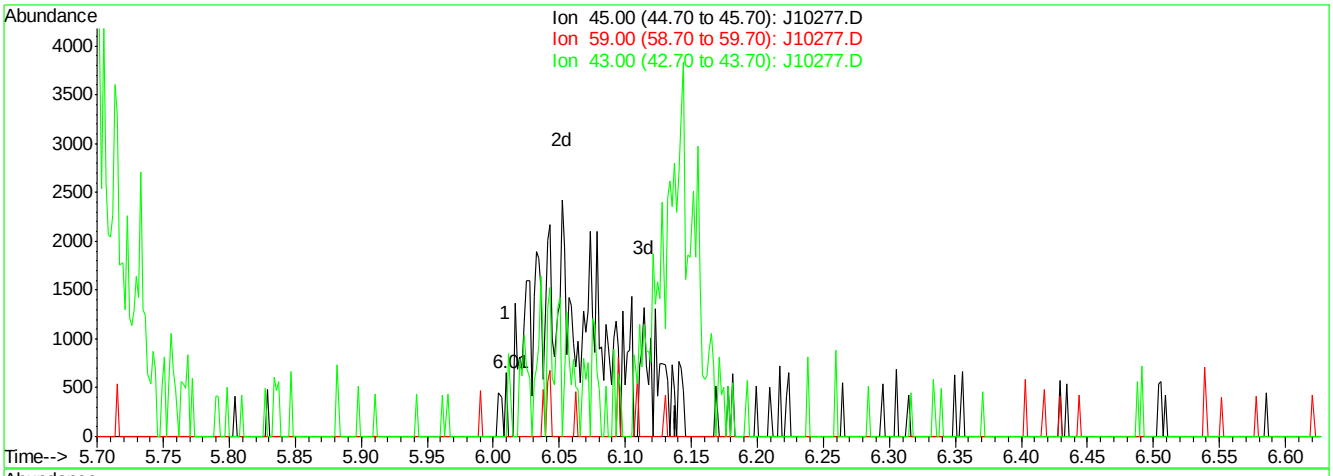
J10277.D J050907T.M Thu May 10 08:36:22 2007

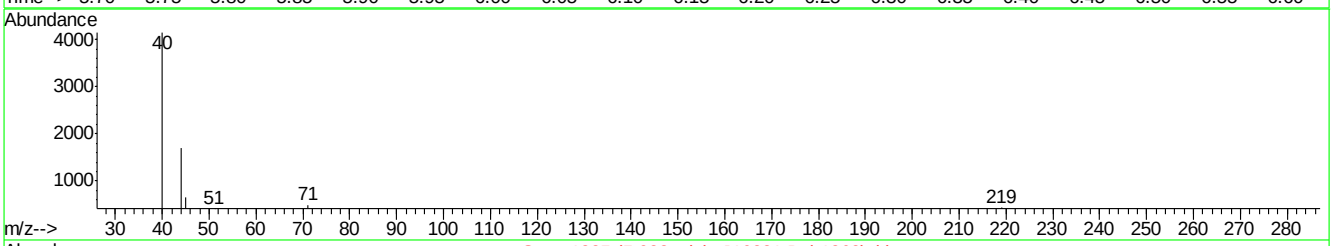
Quantitation Report (Qedit)

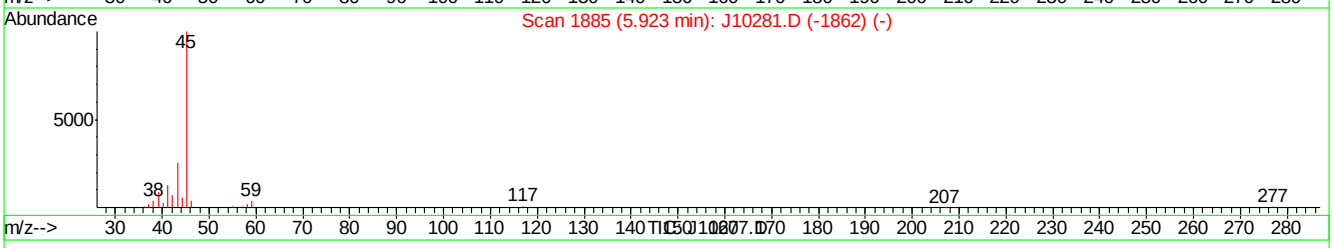
Data File : C:\MSDChem\1\data\J10277.D Vial: 2
Acq On : 9 May 2007 6:39 pm Operator: danat
Sample : IC533-0.2 (M058) Inst : MSJ
Misc : MS13434, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 10 08:35:17 2007 Results File: J050907T.RES

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 08:35:02 2007
Response via : Multiple Level Calibration







(11) ISOPROPYL ALCOHOL (m)

6.01min 0.01PPBV

response 160

Ion	Exp%	Act%
45.00	100	100
59.00	3.80	0.00
43.00	25.40	0.00#
0.00	0.00	0.00

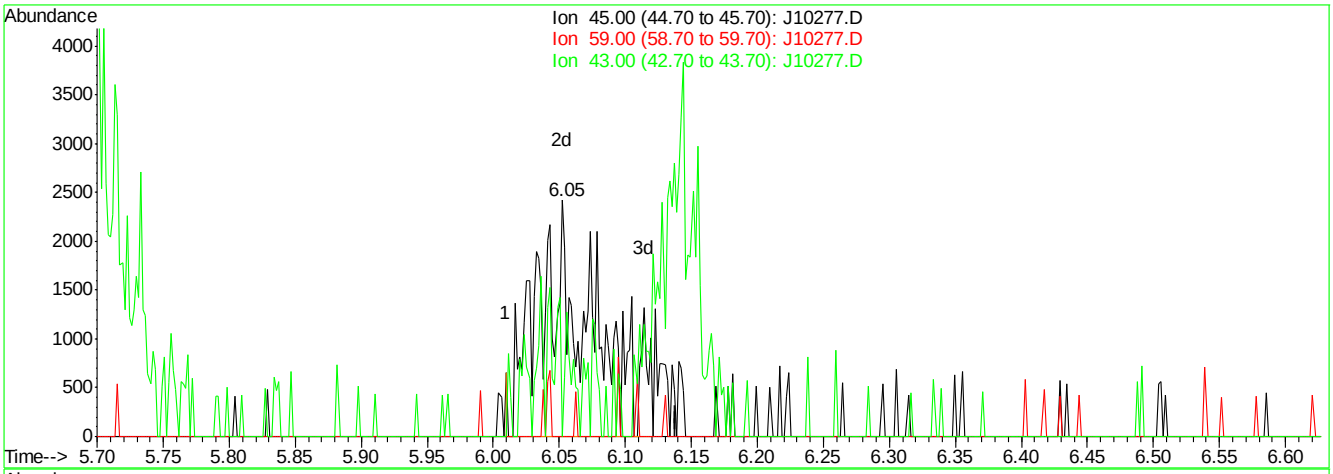
J10277.D J050907T.M Thu May 10 08:36:30 2007

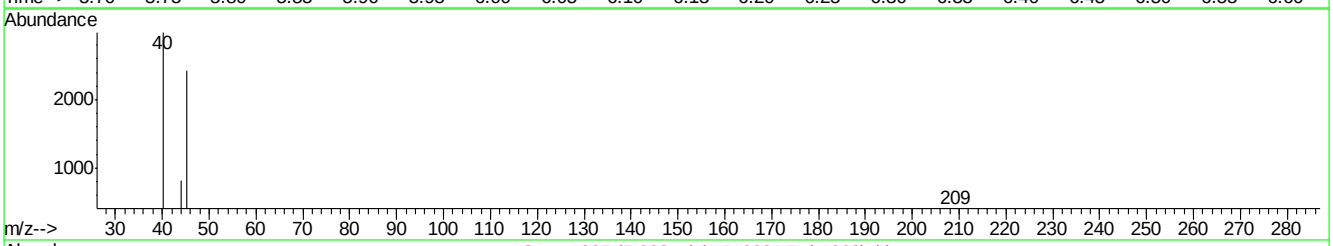
Quantitation Report (Qedit)

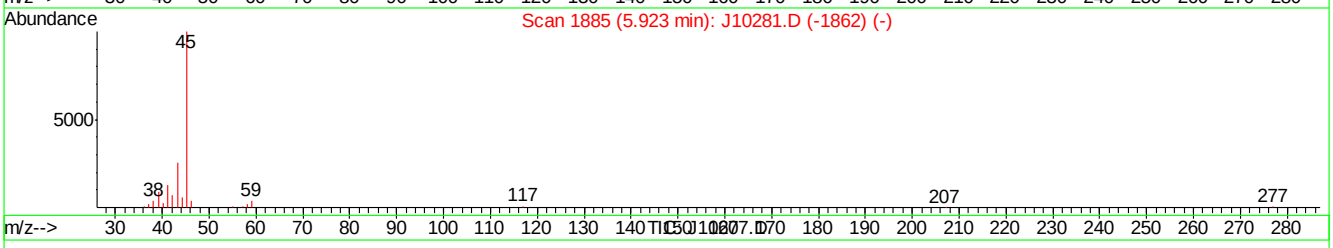
Data File : C:\MSDChem\1\data\J10277.D Vial: 2
Acq On : 9 May 2007 6:39 pm Operator: danat
Sample : IC533-0.2 (M058) Inst : MSJ
Misc : MS13434, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 10 08:35:17 2007 Results File: J050907T.RES

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 08:35:02 2007
Response via : Multiple Level Calibration







(11) ISOPROPYL ALCOHOL (m)

6.05min 0.28PPBV m

response 6895

Ion	Exp%	Act%
45.00	100	100
59.00	3.80	0.00
43.00	25.40	0.00#
0.00	0.00	0.00

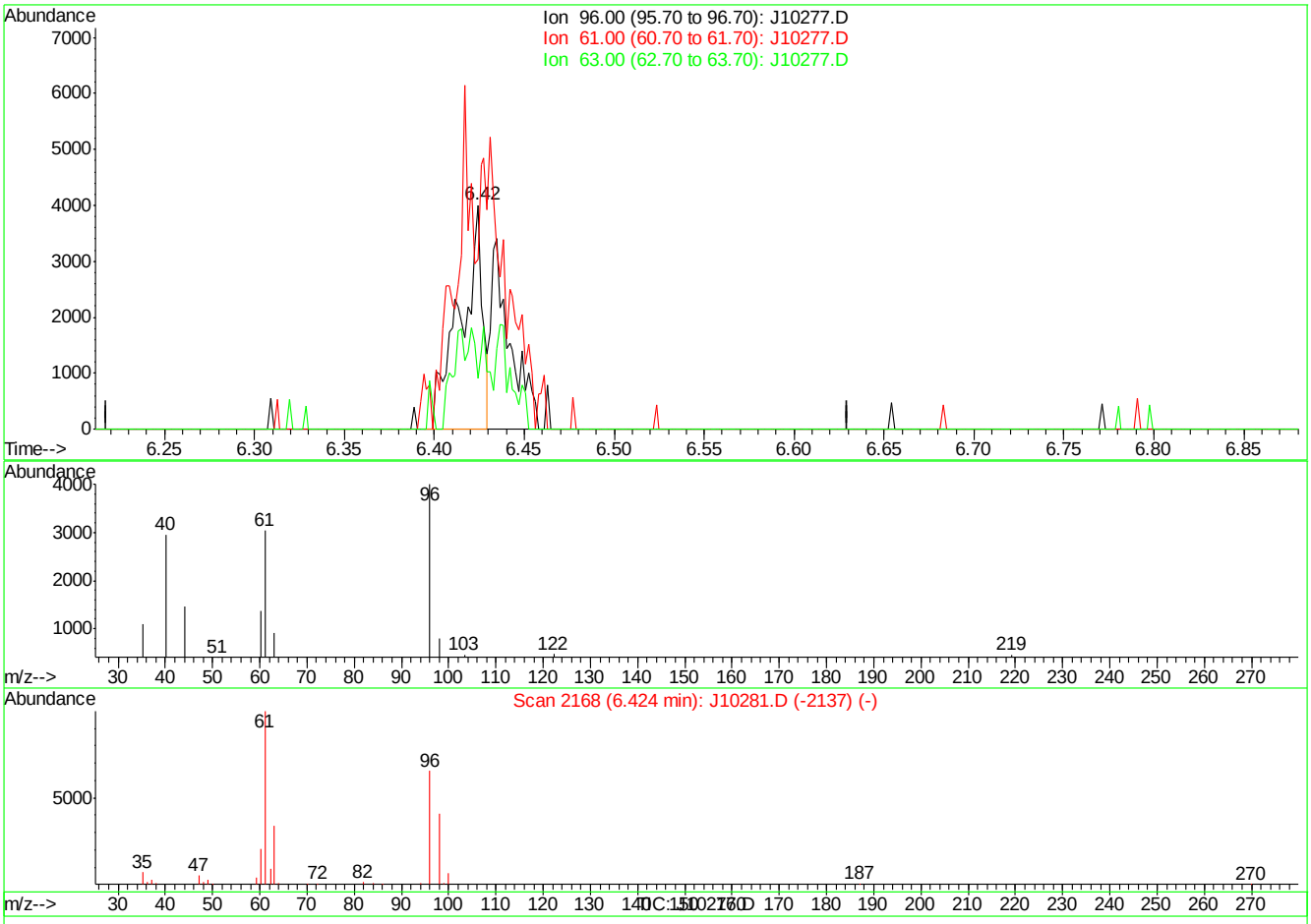
J10277.D J050907T.M Thu May 10 08:36:36 2007

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10277.D Vial: 2
Acq On : 9 May 2007 6:39 pm Operator: danat
Sample : IC533-0.2 (M058) Inst : MSJ
Misc : MS13434, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 10 08:35:17 2007 Results File: J050907T.RES

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 08:35:02 2007
Response via : Multiple Level Calibration



(14) 1,1-DICHLOROETHYLENE (m)

6.42min 0.11PPBV

response 3441

Ion	Exp%	Act%
96.00	100	100
61.00	157.70	284.42#
63.00	52.40	62.05
0.00	0.00	0.00

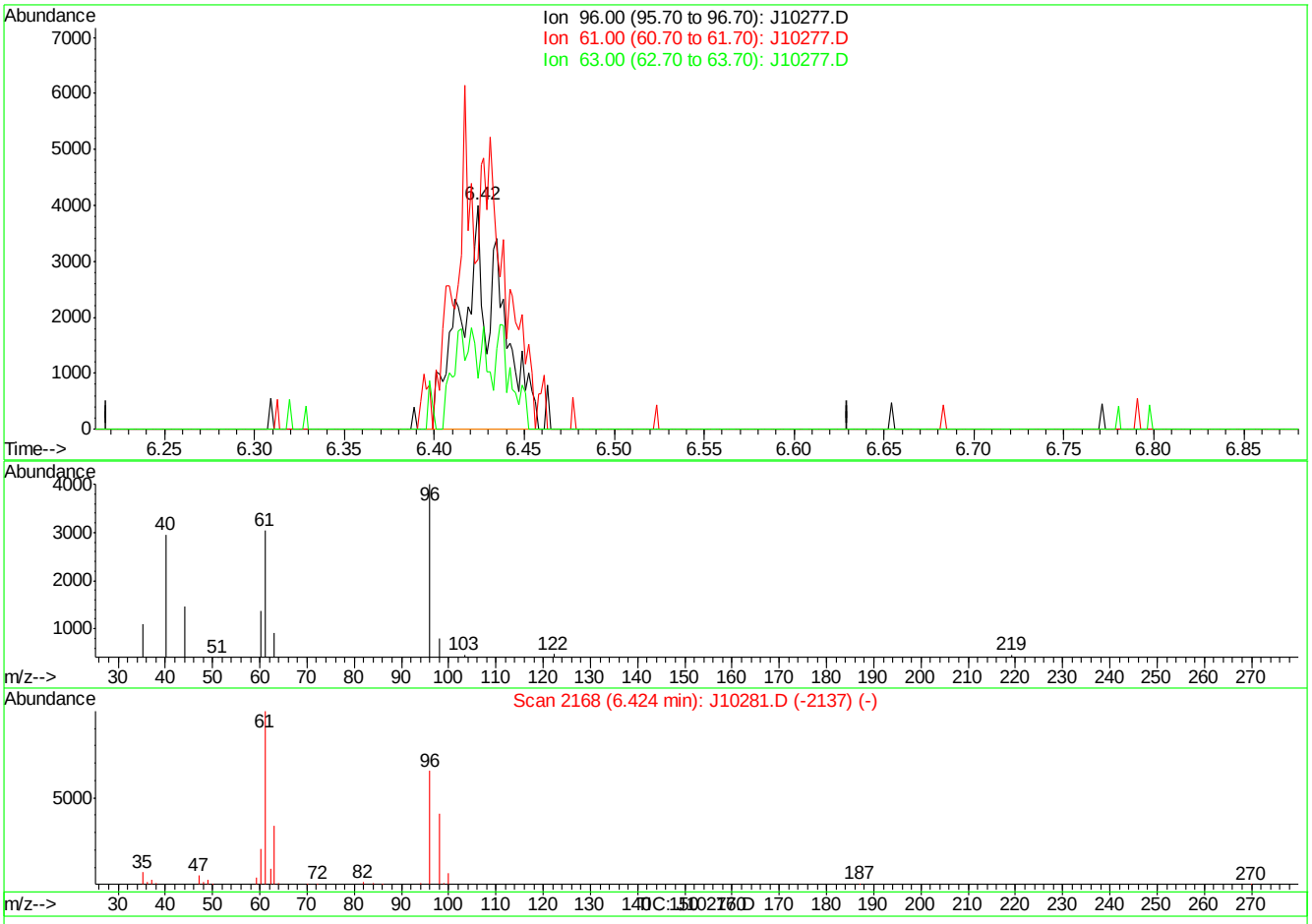
J10277.D J050907T.M Thu May 10 08:36:49 2007

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10277.D Vial: 2
Acq On : 9 May 2007 6:39 pm Operator: danat
Sample : IC533-0.2 (M058) Inst : MSJ
Misc : MS13434, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 10 08:35:17 2007 Results File: J050907T.RES

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 08:35:02 2007
Response via : Multiple Level Calibration



(14) 1,1-DICHLOROETHYLENE (m)

6.42min 0.19PPBV m

response 5906

Ion	Exp%	Act%
96.00	100	100
61.00	157.70	165.71
63.00	52.40	36.15
0.00	0.00	0.00

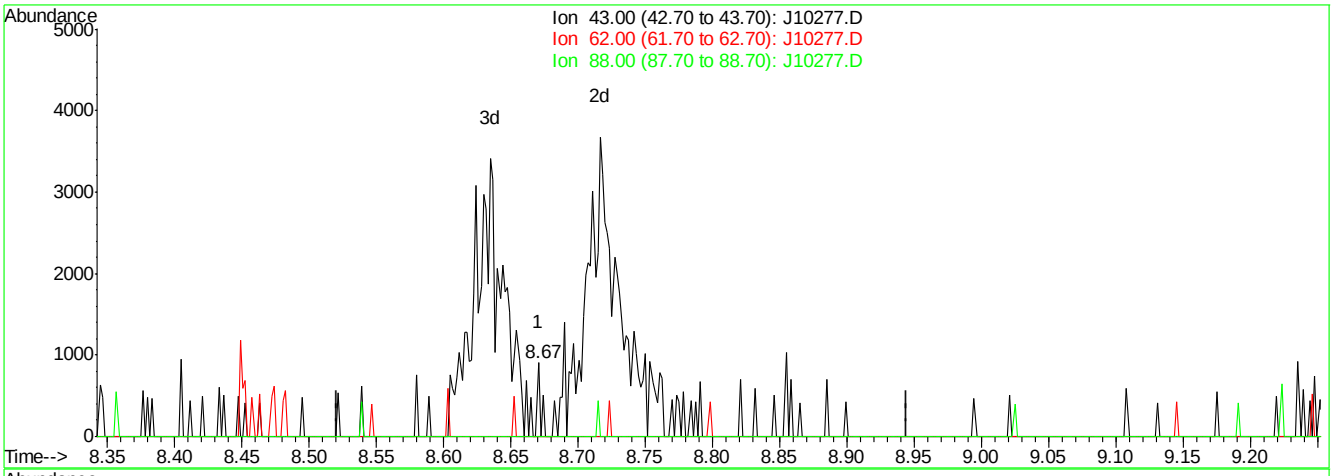
J10277.D J050907T.M Thu May 10 08:36:54 2007

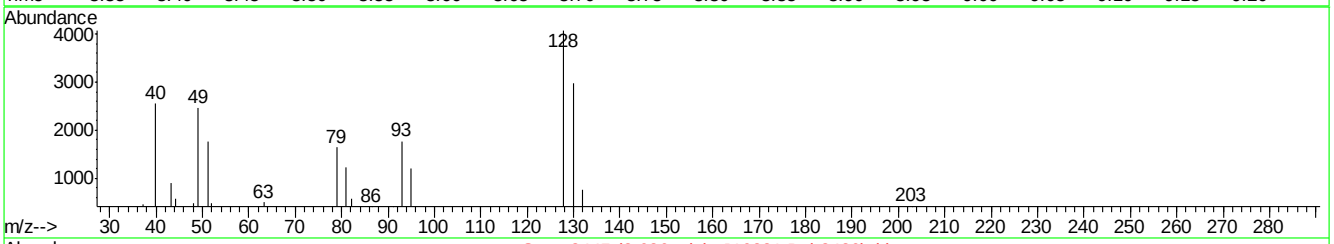
Quantitation Report (Qedit)

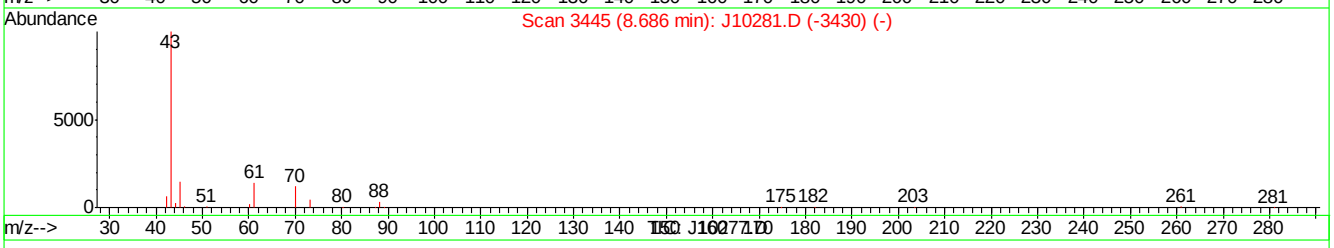
Data File : C:\MSDChem\1\data\J10277.D Vial: 2
Acq On : 9 May 2007 6:39 pm Operator: danat
Sample : IC533-0.2 (M058) Inst : MSJ
Misc : MS13434, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 10 08:35:17 2007 Results File: J050907T.RES

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 08:35:02 2007
Response via : Multiple Level Calibration







(30) ETHYL ACETATE (m)

8.67min 0.00PPBV

response 151

Ion	Exp%	Act%
43.00	100	100
62.00	0.30	34.44#
88.00	4.70	0.00
0.00	0.00	0.00

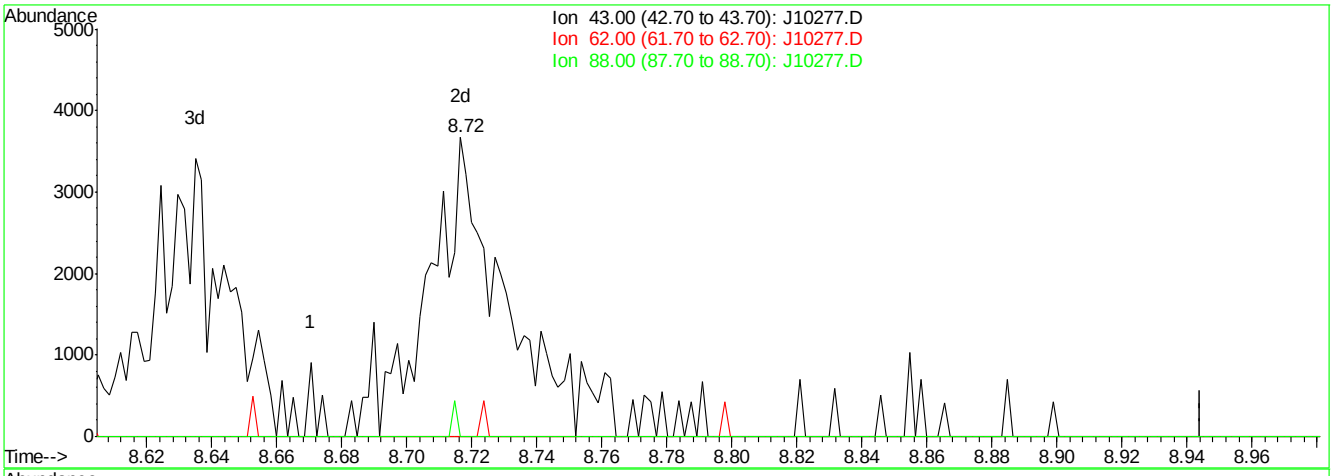
J10277.D J050907T.M Thu May 10 08:37:49 2007

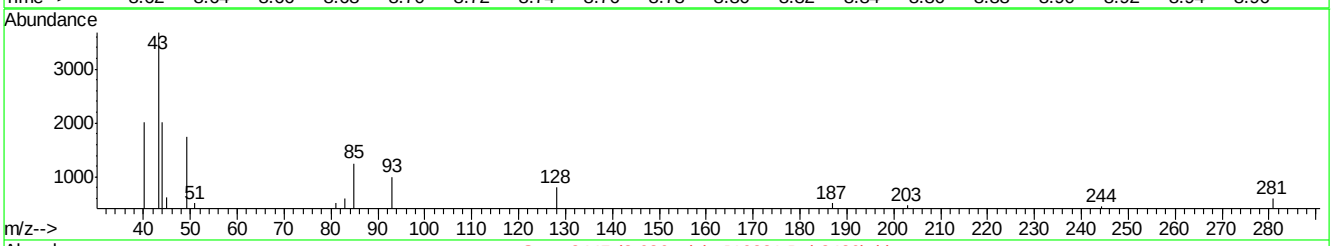
Quantitation Report (Qedit)

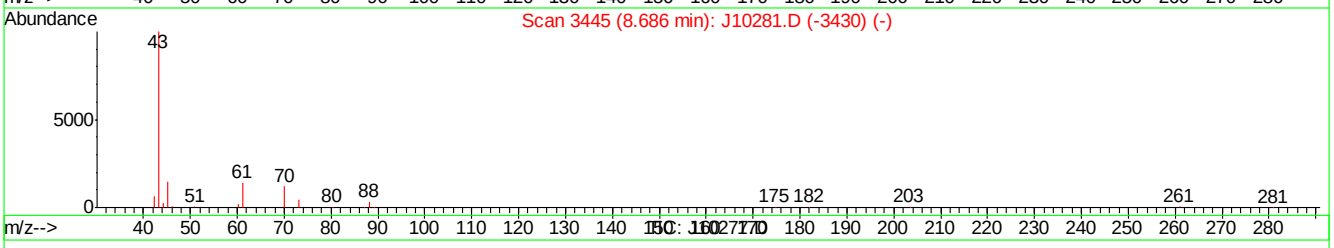
Data File : C:\MSDChem\1\data\J10277.D Vial: 2
Acq On : 9 May 2007 6:39 pm Operator: danat
Sample : IC533-0.2 (M058) Inst : MSJ
Misc : MS13434, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 10 08:35:17 2007 Results File: J050907T.RES

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 08:35:02 2007
Response via : Multiple Level Calibration







(30) ETHYL ACETATE (m)

8.72min 0.16PPBV m

response 5570

Ion	Exp%	Act%
43.00	100	100
62.00	0.30	0.93
88.00	4.70	0.00
0.00	0.00	0.00

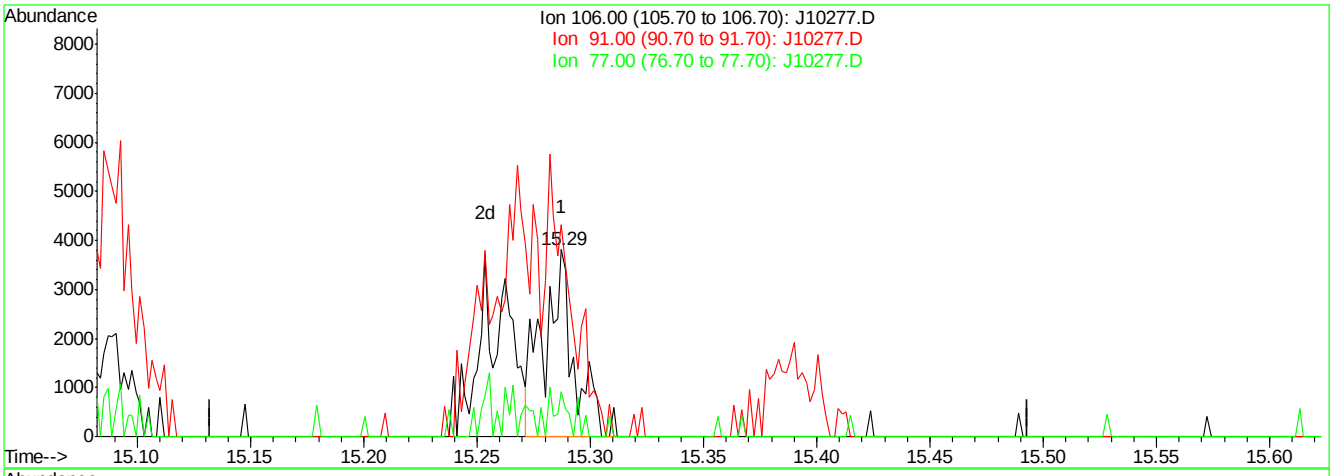
J10277.D J050907T.M Thu May 10 08:38:02 2007

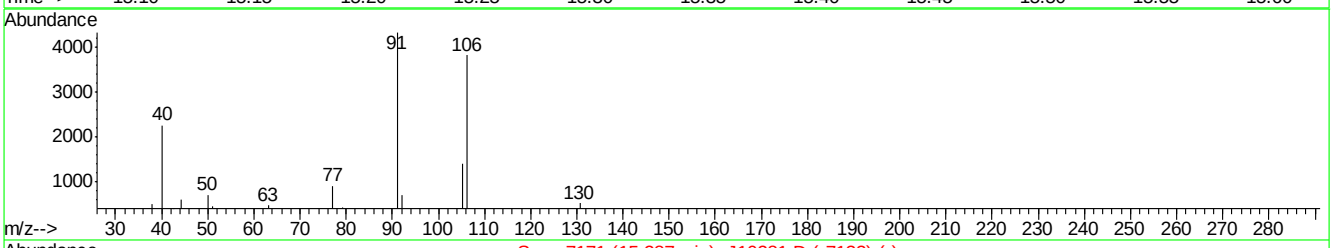
Quantitation Report (Qedit)

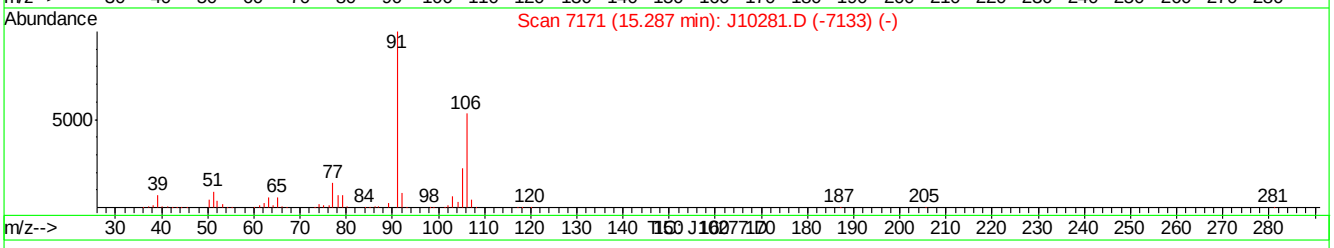
Data File : C:\MSDChem\1\data\J10277.D Vial: 2
Acq On : 9 May 2007 6:39 pm Operator: danat
Sample : IC533-0.2 (M058) Inst : MSJ
Misc : MS13434, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 10 08:35:17 2007 Results File: J050907T.RES

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 08:35:02 2007
Response via : Multiple Level Calibration







(56) m,p-XYLENE (m)

15.29min 0.10PPBV

response 3552

Ion	Exp%	Act%
106.00	100	100
91.00	187.40	113.31#
77.00	26.20	23.79
0.00	0.00	0.00

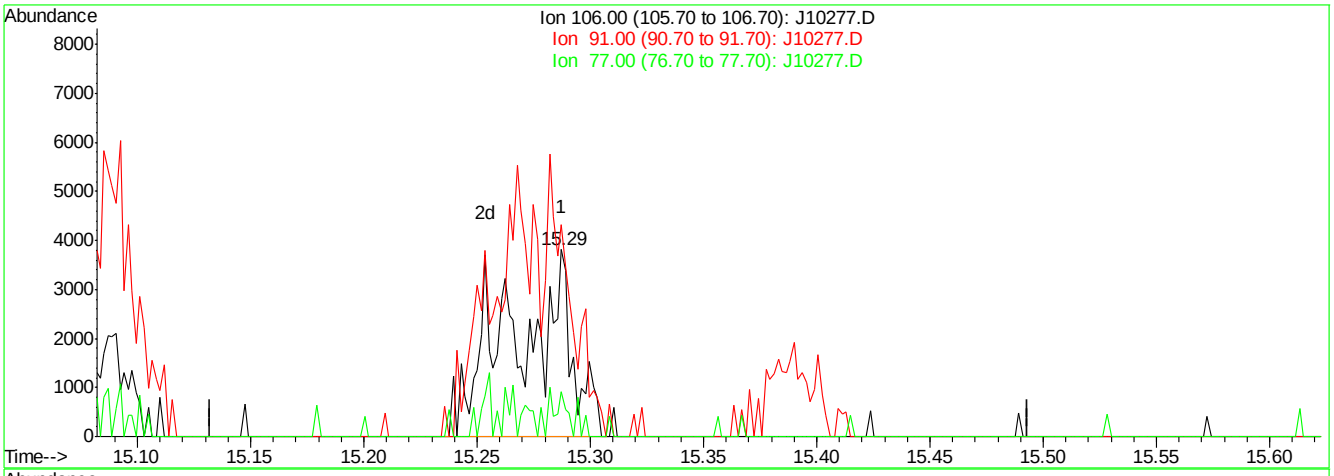
J10277.D J050907T.M Thu May 10 08:39:14 2007

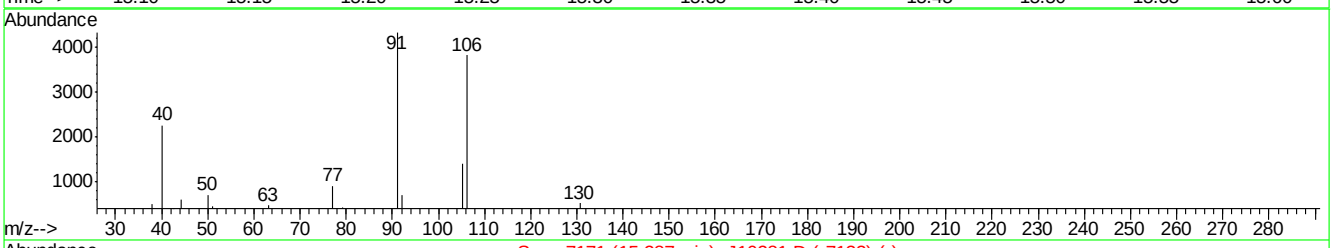
Quantitation Report (Qedit)

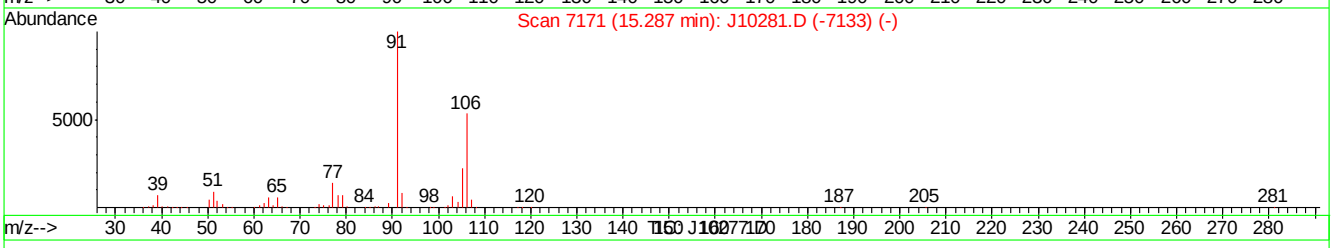
Data File : C:\MSDChem\1\data\J10277.D Vial: 2
Acq On : 9 May 2007 6:39 pm Operator: danat
Sample : IC533-0.2 (M058) Inst : MSJ
Misc : MS13434, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 10 08:35:17 2007 Results File: J050907T.RES

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 08:35:02 2007
Response via : Multiple Level Calibration







(56) m,p-XYLENE (m)

15.29min 0.18PPBV m

response 6881

Ion	Exp%	Act%
106.00	100	100
91.00	187.40	113.31#
77.00	26.20	23.79
0.00	0.00	0.00

J10277.D J050907T.M Thu May 10 08:39:20 2007

Manual Integrations APPROVED (compounds with "m" flag)
Philip Bassignani
05/11/07 16:35

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10278.D
Acq On : 9 May 2007 7:29 pm
Operator : danat
Sample : IC533-0.5 (M058)
Misc : MS13434, MSJ533,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 10 08:34:15 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 10 08:30:48 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	303253	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.44	114	1271837	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.67	117	1022579	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.29	95	248904	3.88	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 77.60%

Target Compounds							Qvalue
2) DICHLORODIFLUOROMETHANE	4.06	85	59841	0.59	PPBV		99
3) PROPYLENE	3.99	41	3304	0.25	PPBV	#	64
4) FREON 114	4.32	85	49964	0.58	PPBV		100
5) CHLOROMETHANE	4.22	50	10199	0.52	PPBV		72
6) VINYL CHLORIDE	4.44	62	14859	0.62	PPBV		92
7) 1,3-BUTADIENE	4.59	39	7393	0.46	PPBV	#	58
8) BROMOMETHANE	4.86	94	16476	0.56	PPBV	#	14
9) CHLOROETHANE	5.03	64	5817	0.55	PPBV	#	64
10) TRICHLOROFLUOROMETHANE	5.80	101	64408	0.63	PPBV		94
11) ISOPROPYL ALCOHOL	5.98	45	8617	0.38	PPBV		71
12) ACETONE	5.67	43	20402	0.79	PPBV		90
13) PENTANE	6.14	42	10013	0.54	PPBV		96
14) 1,1-DICHLOROETHYLENE	6.42	96	12550	0.45	PPBV	#	82
15) CARBON DISULFIDE	6.84	76	46974	0.60	PPBV		96
16) ETHANOL	5.23	45	1054	0.27	PPBV		88
17) BROMOETHENE	5.38	106	12685	0.44	PPBV		99
18) METHYLENE CHLORIDE	6.55	84	101487	4.11	PPBV		96
19) 3-CHLOROPROPENE	6.65	39	10064	0.59	PPBV	#	11
20) FREON 113	6.79	151	38798	0.62	PPBV		98
21) TRANS-1,2-DICHLOROETHYLENE	7.45	96	14508	0.56	PPBV		97
22) TERTIARY BUTYL ALCOHOL	6.60	59	9940	0.30	PPBV		76
23) METHYL TERTIARY BUTYL ETHE	7.74	73	25551	0.51	PPBV		80
24) TETRAHYDROFURAN	9.23	42	4448m	0.32	PPBV		
25) HEXANE	8.63	57	18242	0.70	PPBV		91
26) VINYL ACETATE	7.79	43	12990	0.43	PPBV		86
27) 1,1-DICHLOROETHANE	7.66	63	25680	0.62	PPBV		98
28) METHYL ETHYL KETONE	8.08	43	13917	0.50	PPBV		66
29) cis-1,2-DICHLOROETHYLENE	8.46	96	13138	0.53	PPBV		98
30) ETHYL ACETATE	8.70	43	16867	0.54	PPBV		95
31) CHLOROFORM	8.74	83	37104	0.61	PPBV		99
32) 1,1,1-TRICHLOROETHANE	9.68	97	41748	0.59	PPBV		99
33) CARBON TETRACHLORIDE	10.26	117	55167	0.60	PPBV		96
34) 1,2-DICHLOROETHANE	9.45	62	19616	0.57	PPBV		94
36) BENZENE	10.12	78	28276	0.51	PPBV		98
37) CYCLOHEXANE	10.37	84	10724	0.39	PPBV		95
38) TRICHLOROETHYLENE	11.11	95	16450	0.52	PPBV		96
39) 1,2-DICHLOROPROPANE	10.89	63	10804	0.60	PPBV	#	85
40) BROMODICHLOROMETHANE	11.09	83	35777	0.64	PPBV		99
41) 2,2,4-TRIMETHYLPENTANE	11.12	57	33493	0.39	PPBV		89
42) 1,4-DIOXANE	11.24	88	808m	0.09	PPBV		
43) HEPTANE	11.36	43	9865	0.38	PPBV		94

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10278.D
Acq On : 9 May 2007 7:29 pm
Operator : danat
Sample : IC533-0.5 (M058)
Misc : MS13434, MSJ533,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 10 08:34:15 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 10 08:30:48 2007
Response via : Initial Calibration

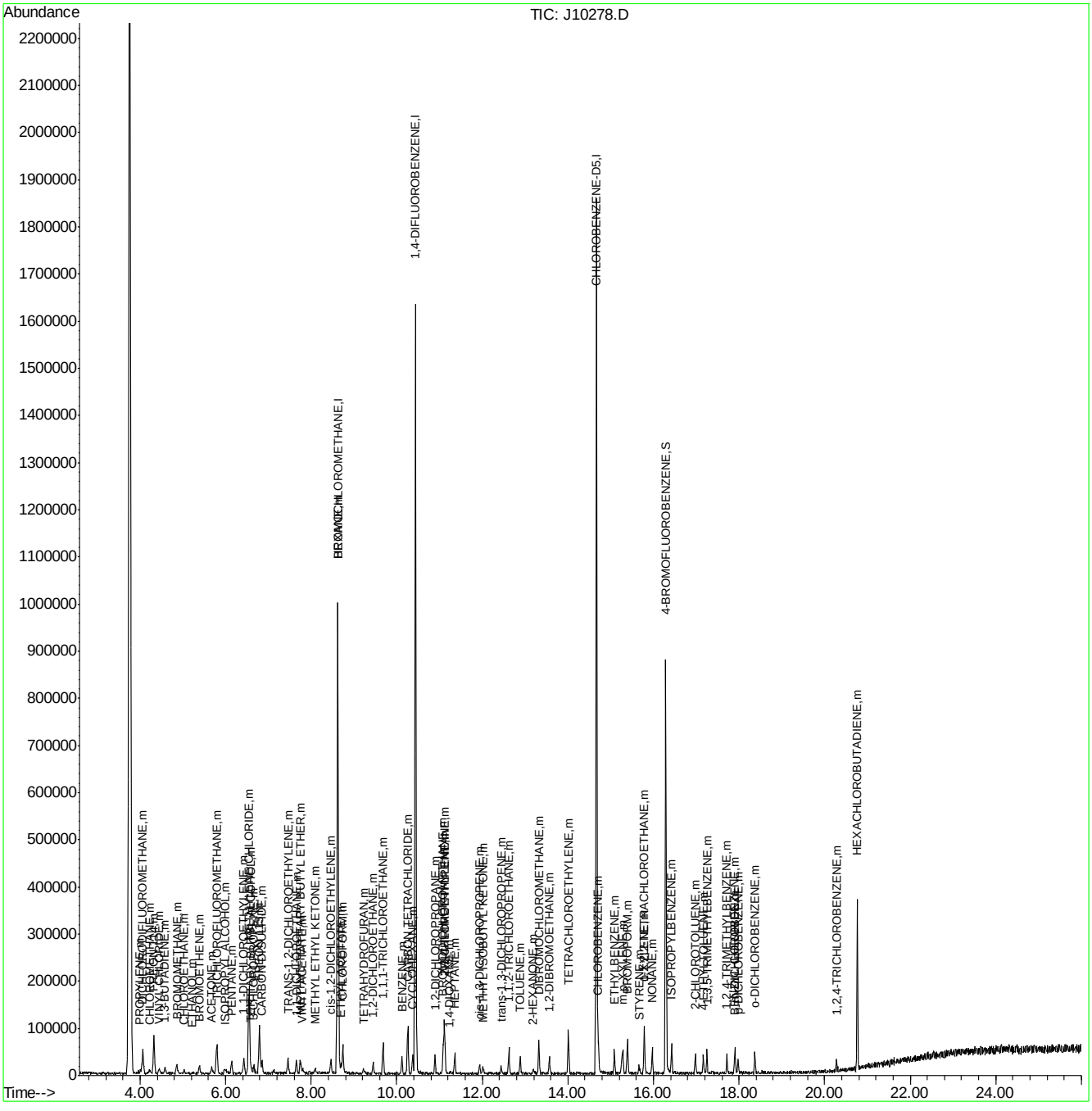
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) METHYL ISOBUTYL KETONE	12.01	43	9402	0.31	PPBV		83
45) cis-1,3-DICHLOROPROPENE	11.94	75	10454	0.37	PPBV		94
46) TOLUENE	12.89	92	14159	0.36	PPBV		91
47) trans-1,3-DICHLOROPROPENE	12.44	75	7429	0.27	PPBV		94
48) 1,1,2-TRICHLOROETHANE	12.62	83	11654	0.57	PPBV		91
50) 2-HEXANONE	13.20	43	5962m	0.26	PPBV		
51) TETRACHLOROETHYLENE	14.01	164	21493	0.64	PPBV		96
52) DIBROMOCHLOROMETHANE	13.32	129	36088	0.68	PPBV		94
53) 1,2-DIBROMOETHANE	13.57	107	18069	0.51	PPBV		95
54) CHLOROBENZENE	14.71	112	30195	0.55	PPBV		98
55) ETHYLBENZENE	15.09	91	26982	0.34	PPBV		96
56) m,p-XYLENE	15.27	106	20949	0.63	PPBV	#	56
57) o-XYLENE	15.77	106	10835	0.32	PPBV		98
58) STYRENE	15.66	104	8882	0.21	PPBV		96
59) NONANE	15.97	43	10837	0.35	PPBV		93
60) BROMOFORM	15.39	173	33030	0.59	PPBV		95
62) 1,1,2,2-TETRACHLOROETHANE	15.79	83	30492	0.64	PPBV		98
63) ISOPROPYLBENZENE	16.43	105	32943	0.35	PPBV		98
64) 2-CHLOROTOLUENE	16.97	91	21360	0.34	PPBV		99
65) 4-ETHYLTOLUENE	17.17	105	20980	0.25	PPBV		98
66) 1,3,5-TRIMETHYLBENZENE	17.25	105	23503	0.31	PPBV		97
67) 1,2,4-TRIMETHYLBENZENE	17.72	105	17132	0.25	PPBV		97
68) m-DICHLOROBENZENE	17.90	146	18344	0.34	PPBV		95
69) BENZYL CHLORIDE	17.88	91	11159	0.27	PPBV		86
70) p-DICHLOROBENZENE	17.98	146	15394	0.31	PPBV		93
71) o-DICHLOROBENZENE	18.37	146	19372	0.42	PPBV		97
72) HEXACHLOROBUTADIENE	20.77	225	57566	1.98	PPBV		97
73) 1,2,4-TRICHLOROBENZENE	20.28	180	7369	0.50	PPBV		98

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10278.D
Acq On : 9 May 2007 7:29 pm
Operator : danat
Sample : IC533-0.5 (M058)
Misc : MS13434, MSJ533,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 10 08:34:15 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 10 08:30:48 2007
Response via : Initial Calibration

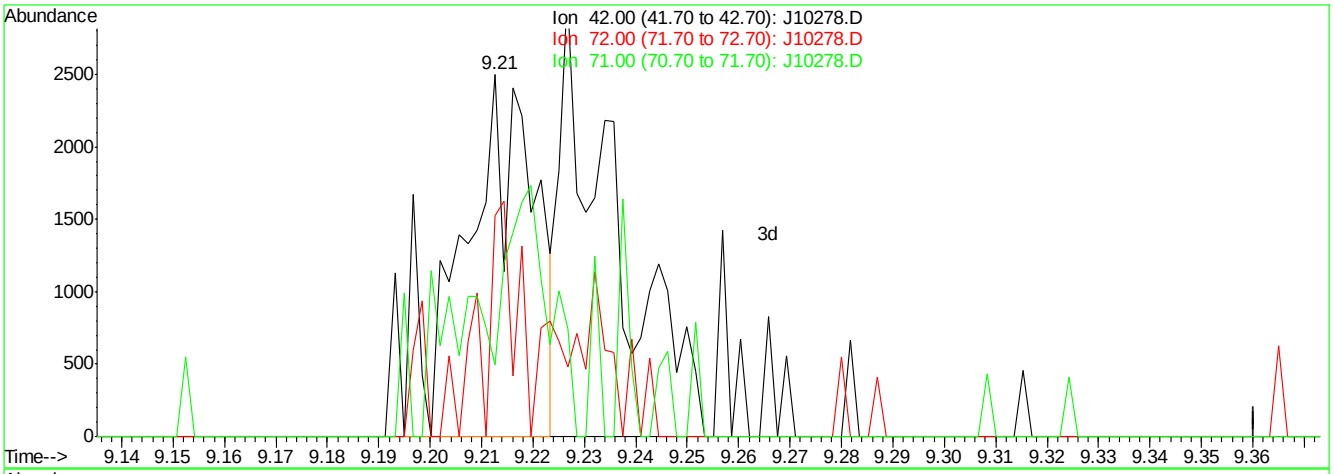


Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10278.D Vial: 2
Acq On : 9 May 2007 7:29 pm Operator: danat
Sample : IC533-0.5 (M058) Inst : MSJ
Misc : MS13434, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 10 08:31:42 2007 Results File: J050907T.RES

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 08:30:48 2007
Response via : Multiple Level Calibration



(24) TETRAHYDROFURAN (m)

9.21min 0.18PPBV

response 2563

Ion	Exp%	Act%
42.00	100	100
72.00	51.30	27.08#
71.00	52.50	65.90
0.00	0.00	0.00

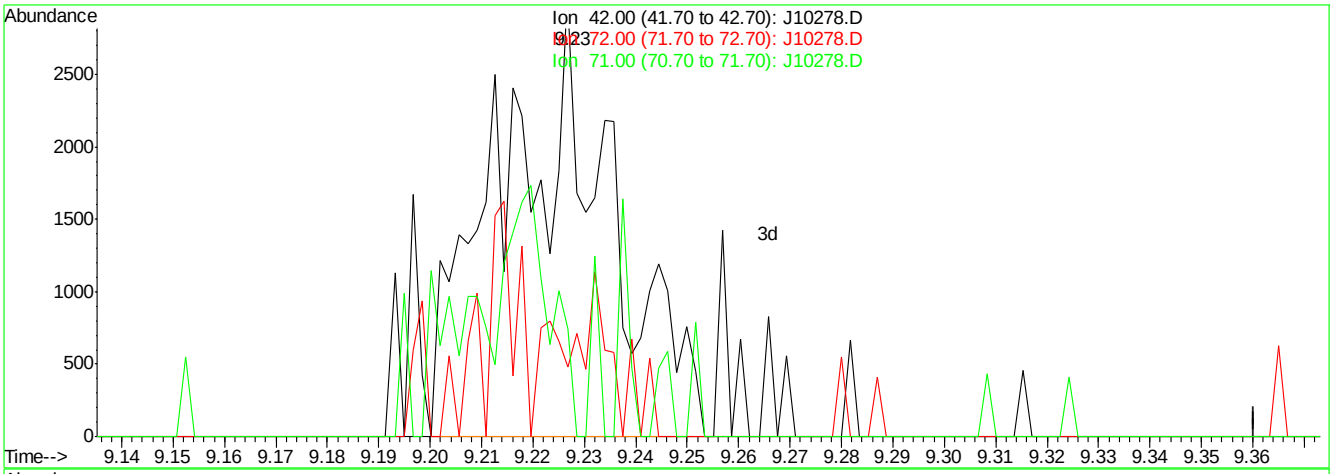
J10278.D J050907T.M Thu May 10 08:32:39 2007

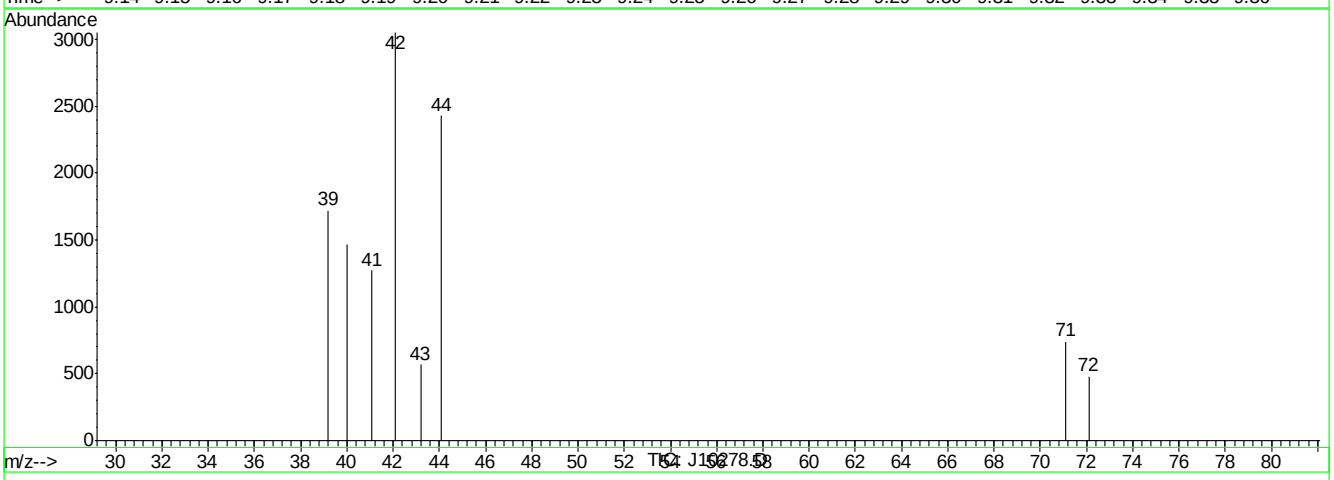
Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10278.D Vial: 2
Acq On : 9 May 2007 7:29 pm Operator: danat
Sample : IC533-0.5 (M058) Inst : MSJ
Misc : MS13434, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 10 08:31:42 2007 Results File: J050907T.RES

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 08:30:48 2007
Response via : Multiple Level Calibration





(24) TETRAHYDROFURAN (m)

9.23min 0.32PPBV m

response 4448

Ion	Exp%	Act%
42.00	100	100
72.00	51.30	15.60#
71.00	52.50	37.97
0.00	0.00	0.00

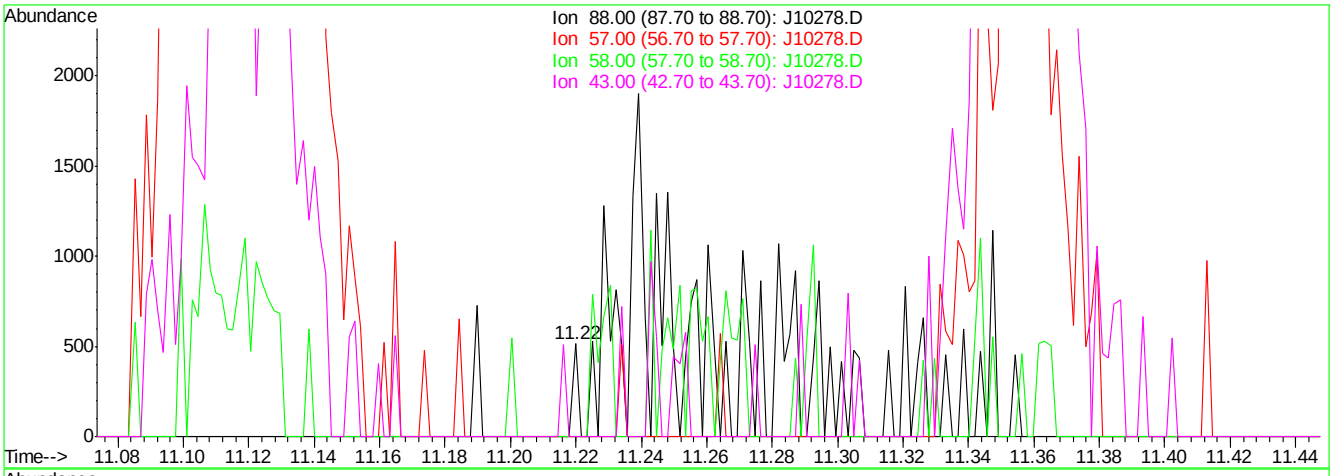
J10278.D J050907T.M Thu May 10 08:32:46 2007

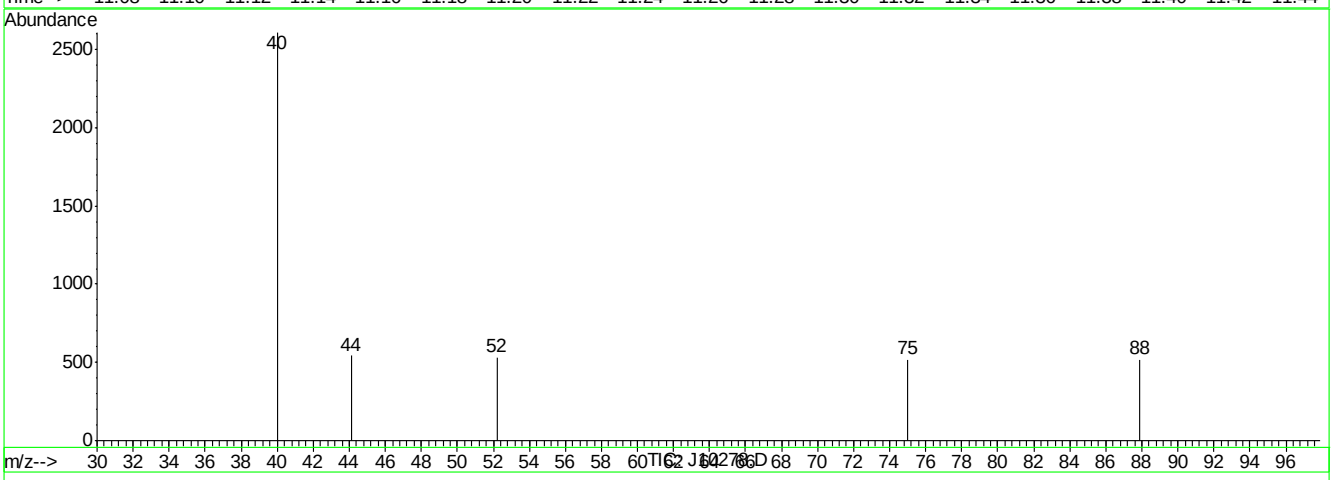
Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10278.D Vial: 2
Acq On : 9 May 2007 7:29 pm Operator: danat
Sample : IC533-0.5 (M058) Inst : MSJ
Misc : MS13434, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 10 08:31:42 2007 Results File: J050907T.RES

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 08:30:48 2007
Response via : Multiple Level Calibration





(42) 1,4-DIOXANE (m)

11.22min 0.01PPBV

response 55

Ion	Exp%	Act%
88.00	100	100
57.00	26.70	0.00#
58.00	51.70	0.00#
43.00	24.80	0.00#

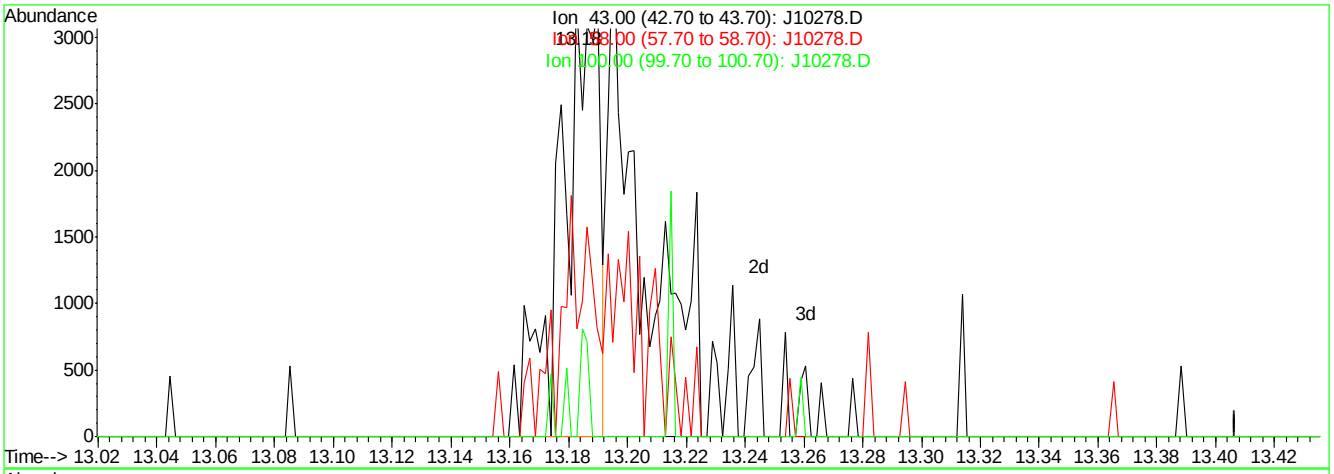
J10278.D J050907T.M Thu May 10 08:33:15 2007

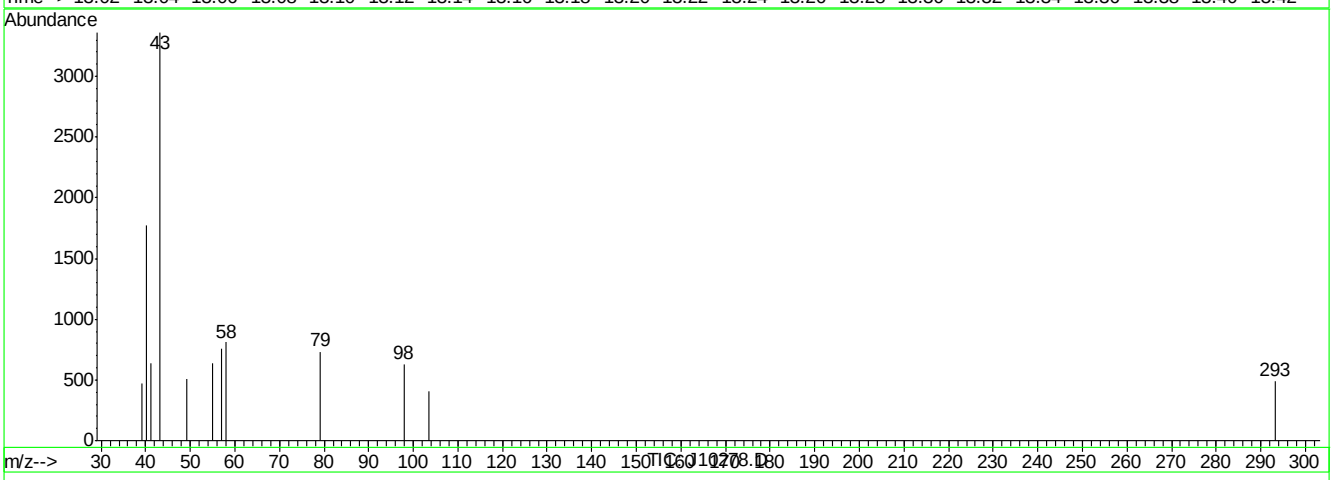
Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10278.D Vial: 2
Acq On : 9 May 2007 7:29 pm Operator: danat
Sample : IC533-0.5 (M058) Inst : MSJ
Misc : MS13434, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 10 08:31:42 2007 Results File: J050907T.RES

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 08:30:48 2007
Response via : Multiple Level Calibration





(50) 2-HEXANONE (m)

13.18min 0.13PPBV

response 2999

Ion	Exp%	Act%
43.00	100	100
58.00	52.90	72.66
100.00	11.70	5.40
0.00	0.00	0.00

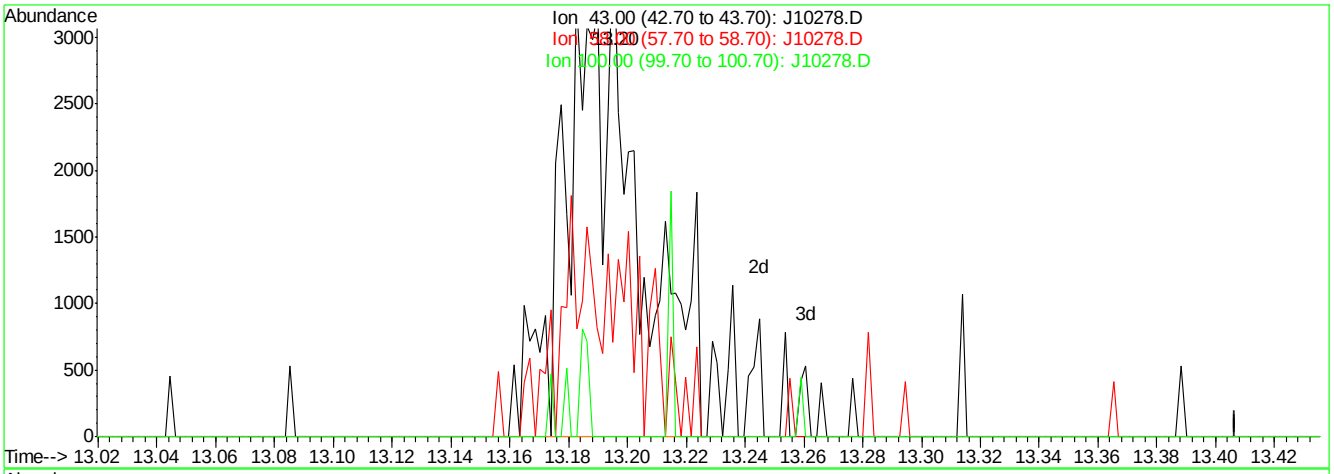
J10278.D J050907T.M Thu May 10 08:33:47 2007

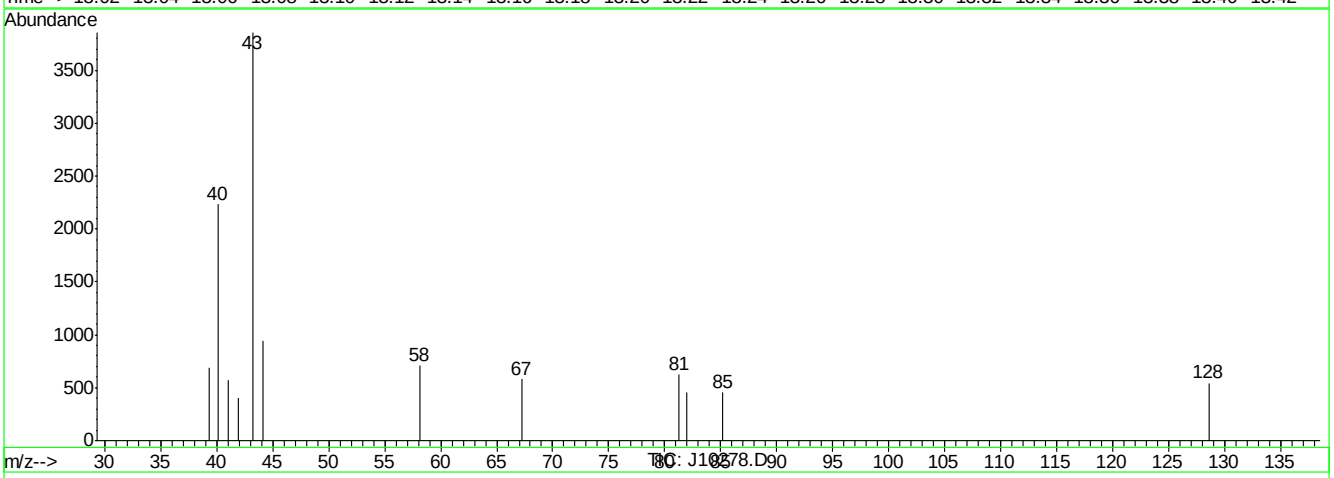
Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10278.D Vial: 2
Acq On : 9 May 2007 7:29 pm Operator: danat
Sample : IC533-0.5 (M058) Inst : MSJ
Misc : MS13434, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 10 08:31:42 2007 Results File: J050907T.RES

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 08:30:48 2007
Response via : Multiple Level Calibration





(50) 2-HEXANONE (m)

13.20min 0.26PPBV m

response 5962

Ion	Exp%	Act%
43.00	100	100
58.00	52.90	36.55
100.00	11.70	2.72
0.00	0.00	0.00

J10278.D J050907T.M Thu May 10 08:33:53 2007

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10279.D
Acq On : 9 May 2007 8:18 pm
Operator : danat
Sample : IC533-40 (M079)
Misc : MS13434, MSJ533,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 10 08:26:33 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 10 08:25:12 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.63	128	404357	10.00	PPBV	0.01
35) 1,4-DIFLUOROBENZENE	10.45	114	1793963	10.00	PPBV	0.01
49) CHLOROBENZENE-D5	14.68	117	1690369	10.00	PPBV	0.01

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.31	95	598108	5.36	PPBV	0.02

Spiked Amount 5.000 Range 51 - 142 Recovery = 107.20%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.06	85	5045782	38.33	PPBV	100
3) PROPYLENE	3.99	41	713566	38.59	PPBV	89
4) FREON 114	4.32	85	4377290	39.66	PPBV	99
5) CHLOROMETHANE	4.23	50	974089	38.95	PPBV	96
6) VINYL CHLORIDE	4.45	62	1234612	38.44	PPBV	98
7) 1,3-BUTADIENE	4.58	39	893531	41.12	PPBV	98
8) BROMOMETHANE	4.86	94	1506649	39.48	PPBV	99
9) CHLOROETHANE	5.02	64	594297	40.67	PPBV	100
10) TRICHLOROFLUOROMETHANE	5.80	101	5287371	40.57	PPBV	100
11) ISOPROPYL ALCOHOL	5.97	45	1378514	40.51	PPBV	98
12) ACETONE	5.65	43	1478585	42.51	PPBV	99
13) PENTANE	6.14	42	973868	40.12	PPBV	98
14) 1,1-DICHLOROETHYLENE	6.43	96	1508099	40.21	PPBV	97
15) CARBON DISULFIDE	6.85	76	3991509	39.44	PPBV	99
16) ETHANOL	5.20	45	232995	42.55	PPBV #	57
17) BROMOETHENE	5.38	106	1567714	40.51	PPBV	100
18) METHYLENE CHLORIDE	6.55	84	1330636	41.19	PPBV	99
19) 3-CHLOROPROPENE	6.66	39	1065920	46.84	PPBV	97
20) FREON 113	6.79	151	3304804	41.16	PPBV	99
21) TRANS-1,2-DICHLOROETHYLENE	7.46	96	1468282	42.02	PPBV	98
22) TERTIARY BUTYL ALCOHOL	6.57	59	2031691	41.97	PPBV	94
23) METHYL TERTIARY BUTYL ETHE	7.73	73	2972098	43.06	PPBV	100
24) TETRAHYDROFURAN	9.18	42	887741	44.28	PPBV	99
25) HEXANE	8.63	57	1482683	43.06	PPBV	97
26) VINYL ACETATE	7.81	43	1907349	45.21	PPBV	98
27) 1,1-DICHLOROETHANE	7.66	63	2350712	43.53	PPBV	100
28) METHYL ETHYL KETONE	8.08	43	1636032	42.50	PPBV	97
29) cis-1,2-DICHLOROETHYLENE	8.47	96	1467409	44.74	PPBV	99
30) ETHYL ACETATE	8.70	43	1831614	42.86	PPBV	99
31) CHLOROFORM	8.76	83	3420136	43.96	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.69	97	4199585	45.18	PPBV	99
33) CARBON TETRACHLORIDE	10.26	117	5183665	43.27	PPBV	100
34) 1,2-DICHLOROETHANE	9.47	62	2052096	46.44	PPBV	99
36) BENZENE	10.13	78	3765517	47.71	PPBV	100
37) CYCLOHEXANE	10.38	84	1728156	43.53	PPBV	100
38) TRICHLOROETHYLENE	11.13	95	1979928	45.92	PPBV	97
39) 1,2-DICHLOROPROPANE	10.91	63	1215349	48.02	PPBV	99
40) BROMODICHLOROMETHANE	11.11	83	3527334	46.31	PPBV	100
41) 2,2,4-TRIMETHYLPENTANE	11.13	57	5658069	44.13	PPBV	100
42) 1,4-DIOXANE	11.18	88	699433	46.50	PPBV	98
43) HEPTANE	11.37	43	1725520	46.42	PPBV	98

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10279.D
Acq On : 9 May 2007 8:18 pm
Operator : danat
Sample : IC533-40 (M079)
Misc : MS13434, MSJ533,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 10 08:26:33 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 10 08:25:12 2007
Response via : Initial Calibration

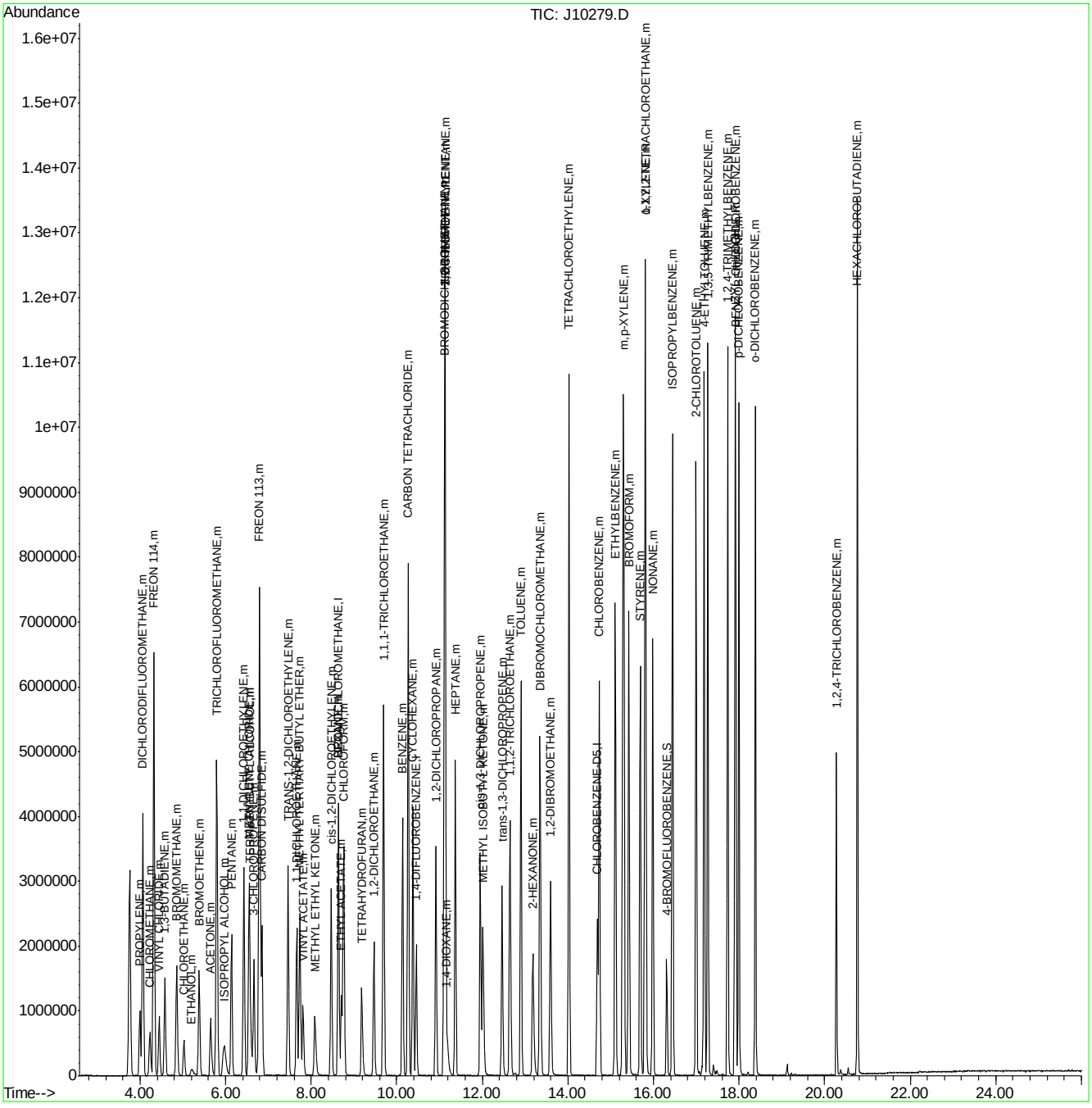
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.01	43	2181947	47.85	PPBV	100
45) cis-1,3-DICHLOROPROPENE	11.95	75	2021787	48.53	PPBV	99
46) TOLUENE	12.90	92	2853663	49.13	PPBV	100
47) trans-1,3-DICHLOROPROPENE	12.46	75	2009963	49.38	PPBV	100
48) 1,1,2-TRICHLOROETHANE	12.65	83	1349208	47.18	PPBV	100
50) 2-HEXANONE	13.18	43	1955501	48.86	PPBV	98
51) TETRACHLOROETHYLENE	14.02	164	2604938	48.09	PPBV	98
52) DIBROMOCHLOROMETHANE	13.35	129	3875669	45.99	PPBV	100
53) 1,2-DIBROMOETHANE	13.59	107	2742121	47.00	PPBV	99
54) CHLOROBENZENE	14.73	112	4037572	45.72	PPBV	100
55) ETHYLBENZENE	15.11	91	6386800	46.94	PPBV	99
56) m,p-XYLENE	15.29	106	5293566	93.91	PPBV	98
57) o-XYLENE	15.80	106	2702230	47.71	PPBV	99
58) STYRENE	15.69	104	3892158	50.18	PPBV	99
59) NONANE	15.99	43	2462505	46.64	PPBV	98
60) BROMOFORM	15.42	173	4304858	47.41	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.82	83	3627252	46.66	PPBV	99
63) ISOPROPYLBENZENE	16.44	105	7832569	47.78	PPBV	99
64) 2-CHLOROTOLUENE	17.00	91	5399300	49.15	PPBV	99
65) 4-ETHYLTOLUENE	17.18	105	7335819	50.40	PPBV	97
66) 1,3,5-TRIMETHYLBENZENE	17.27	105	6548425	49.39	PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.73	105	6245441	52.23	PPBV	99
68) m-DICHLOROBENZENE	17.92	146	4624539	52.96	PPBV	98
69) BENZYL CHLORIDE	17.90	91	3959343	55.29	PPBV	99
70) p-DICHLOROBENZENE	17.99	146	4326368	52.50	PPBV	100
71) o-DICHLOROBENZENE	18.38	146	4142730	53.59	PPBV	99
72) HEXACHLOROBUTADIENE	20.76	225	2354646	50.90	PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.27	180	1390577	53.70	PPBV	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10279.D
Acq On : 9 May 2007 8:18 pm
Operator : danat
Sample : IC533-40 (M079)
Misc : MS13434, MSJ533,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 10 08:26:33 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 10 08:25:12 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10280.D
Acq On : 9 May 2007 9:05 pm
Operator : danat
Sample : IC533-20 (M079)
Misc : MS13434, MSJ533,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 10 08:25:03 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 10 08:23:49 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.63	128	404934	10.00	PPBV	0.01
35) 1,4-DIFLUOROBENZENE	10.45	114	1815477	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.68	117	1676330	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.30	95	561983	5.17	PPBV	0.00
Spiked Amount 5.000	Range 51 - 142		Recovery = 103.40%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.07	85	2650639	20.22	PPBV	99
3) PROPYLENE	3.99	41	376167	20.64	PPBV	93
4) FREON 114	4.33	85	2252269	20.77	PPBV	100
5) CHLOROMETHANE	4.23	50	512360	20.94	PPBV	100
6) VINYL CHLORIDE	4.45	62	657359	20.90	PPBV	99
7) 1,3-BUTADIENE	4.59	39	452627	21.67	PPBV	99
8) BROMOMETHANE	4.86	94	786147	21.17	PPBV	99
9) CHLOROETHANE	5.03	64	301582	21.26	PPBV	99
10) TRICHLOROFLUOROMETHANE	5.79	101	2644990	20.54	PPBV	99
11) ISOPROPYL ALCOHOL	5.94	45	730444	23.09	PPBV	99
12) ACETONE	5.65	43	734728	22.31	PPBV	99
13) PENTANE	6.14	42	491846	20.47	PPBV	99
14) 1,1-DICHLOROETHYLENE	6.43	96	771388	21.10	PPBV	99
15) CARBON DISULFIDE	6.85	76	2068017	20.83	PPBV	99
16) ETHANOL	5.20	45	118793	23.62	PPBV #	54
17) BROMOETHENE	5.39	106	806417	21.69	PPBV	99
18) METHYLENE CHLORIDE	6.55	84	668158	21.36	PPBV	98
19) 3-CHLOROPROPENE	6.66	39	480167	22.26	PPBV	98
20) FREON 113	6.79	151	1652492	21.13	PPBV	99
21) TRANS-1,2-DICHLOROETHYLENE	7.46	96	731482	21.90	PPBV	99
22) TERTIARY BUTYL ALCOHOL	6.54	59	1052857	23.77	PPBV	95
23) METHYL TERTIARY BUTYL ETHE	7.73	73	1480582	23.06	PPBV	100
24) TETRAHYDROFURAN	9.17	42	435946	23.75	PPBV	98
25) HEXANE	8.64	57	708987	21.16	PPBV	98
26) VINYL ACETATE	7.80	43	917657	23.76	PPBV	98
27) 1,1-DICHLOROETHANE	7.66	63	1114776	21.27	PPBV	100
28) METHYL ETHYL KETONE	8.07	43	825016	23.01	PPBV	94
29) cis-1,2-DICHLOROETHYLENE	8.46	96	685038	21.79	PPBV	99
30) ETHYL ACETATE	8.69	43	911778	22.80	PPBV #	87
31) CHLOROFORM	8.75	83	1604838	21.23	PPBV	100
32) 1,1,1-TRICHLOROETHANE	9.69	97	1946543	21.91	PPBV	99
33) CARBON TETRACHLORIDE	10.26	117	2458241	21.01	PPBV	100
34) 1,2-DICHLOROETHANE	9.46	62	937386	22.52	PPBV	100
36) BENZENE	10.13	78	1689378	22.44	PPBV	100
37) CYCLOHEXANE	10.37	84	830372	21.38	PPBV	100
38) TRICHLOROETHYLENE	11.12	95	912002	21.88	PPBV	99
39) 1,2-DICHLOROPROPANE	10.90	63	539801	22.27	PPBV	99
40) BROMODICHLOROMETHANE	11.09	83	1611690	21.90	PPBV	100
41) 2,2,4-TRIMETHYLPENTANE	11.12	57	2706384	21.79	PPBV	100
42) 1,4-DIOXANE	11.17	88	334145	24.33	PPBV	97
43) HEPTANE	11.37	43	792620	22.26	PPBV	99

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10280.D
Acq On : 9 May 2007 9:05 pm
Operator : danat
Sample : IC533-20 (M079)
Misc : MS13434, MSJ533,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 10 08:25:03 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 10 08:23:49 2007
Response via : Initial Calibration

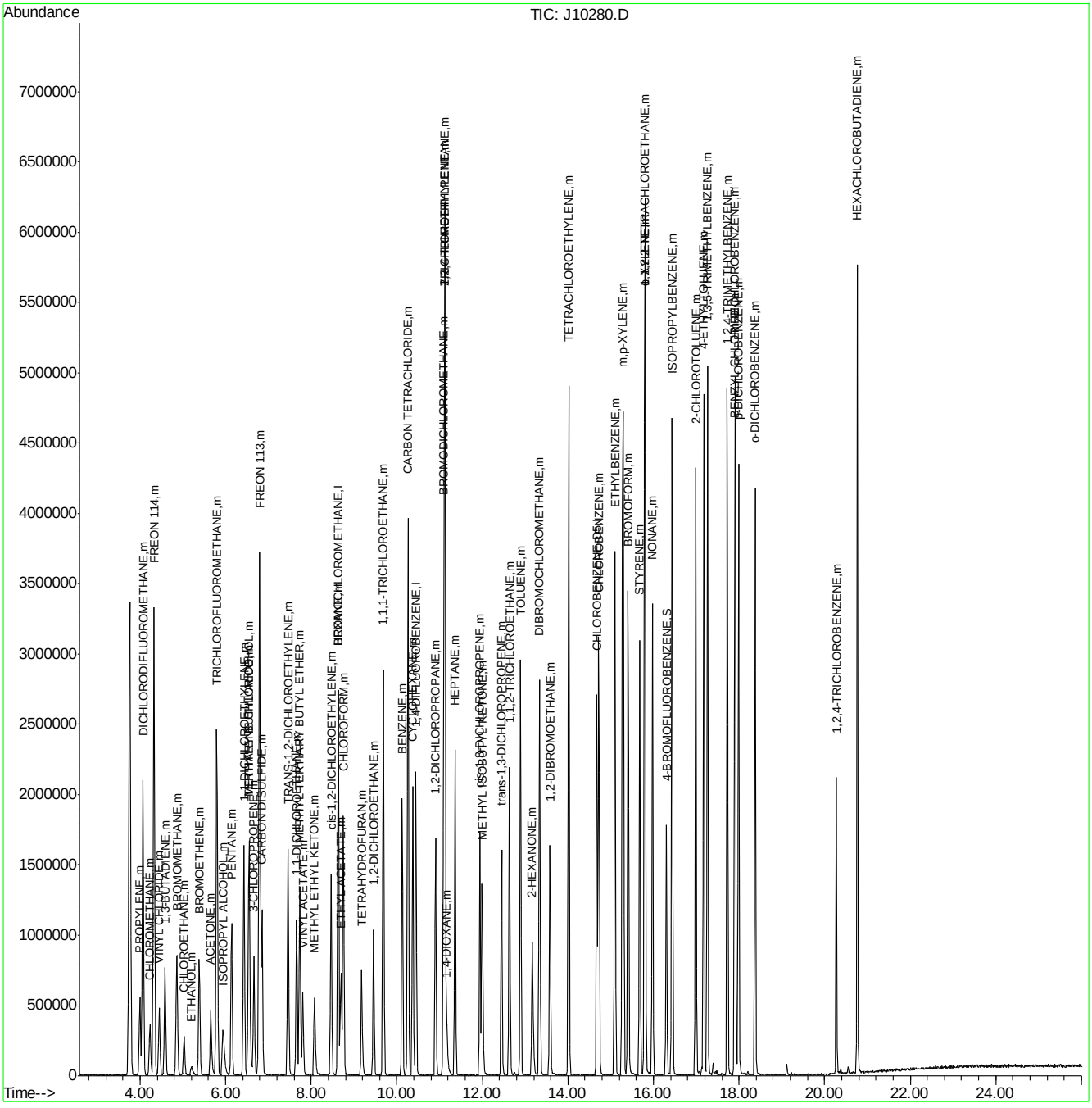
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.99	43	998239	23.56	PPBV	99
45) cis-1,3-DICHLOROPROPENE	11.94	75	916926	23.83	PPBV	99
46) TOLUENE	12.89	92	1270141	23.50	PPBV	100
47) trans-1,3-DICHLOROPROPENE	12.45	75	906659	24.47	PPBV	100
48) 1,1,2-TRICHLOROETHANE	12.63	83	613035	22.52	PPBV	99
50) 2-HEXANONE	13.16	43	863718	23.87	PPBV	99
51) TETRACHLOROETHYLENE	14.02	164	1140031	22.61	PPBV	98
52) DIBROMOCHLOROMETHANE	13.33	129	1748302	21.93	PPBV	100
53) 1,2-DIBROMOETHANE	13.58	107	1236020	22.93	PPBV	100
54) CHLOROBENZENE	14.72	112	1854324	22.50	PPBV	99
55) ETHYLBENZENE	15.10	91	2884297	22.96	PPBV	99
56) m,p-XYLENE	15.29	106	2360655	44.73	PPBV	95
57) o-XYLENE	15.79	106	1187661	22.43	PPBV	99
58) STYRENE	15.68	104	1691471	24.42	PPBV	99
59) NONANE	15.98	43	1099191	22.09	PPBV	98
60) BROMOFORM	15.41	173	1913327	22.66	PPBV	100
62) 1,1,2,2-TETRACHLOROETHANE	15.80	83	1633305	22.53	PPBV	100
63) ISOPROPYLBENZENE	16.43	105	3466671	22.84	PPBV	100
64) 2-CHLOROTOLUENE	16.99	91	2358153	23.58	PPBV	99
65) 4-ETHYLTOLUENE	17.18	105	3154305	24.09	PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.26	105	2843131	23.53	PPBV	100
67) 1,2,4-TRIMETHYLBENZENE	17.73	105	2612283	24.52	PPBV	99
68) m-DICHLOROBENZENE	17.91	146	1901266	24.34	PPBV	98
69) BENZYL CHLORIDE	17.89	91	1575414	24.90	PPBV	100
70) p-DICHLOROBENZENE	17.99	146	1791624	24.26	PPBV	100
71) o-DICHLOROBENZENE	18.38	146	1681726	24.29	PPBV	100
72) HEXACHLOROBUTADIENE	20.77	225	977770	22.81	PPBV	98
73) 1,2,4-TRICHLOROBENZENE	20.27	180	573837	25.31	PPBV	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10280.D
Acq On : 9 May 2007 9:05 pm
Operator : danat
Sample : IC533-20 (M079)
Misc : MS13434, MSJ533,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 10 08:25:03 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 10 08:23:49 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10281.D
Acq On : 9 May 2007 9:52 pm
Operator : danat
Sample : ICc533-10 (M079)
Misc : MS13434, MSJ533,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 10 08:23:23 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 09 17:38:43 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	412358	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.44	114	1821050	10.00	PPBV	0.01
49) CHLOROBENZENE-D5	14.67	117	1621470	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.29	95	525842	5.13	PPBV	0.00
Spiked Amount 5.000	Range 51 - 142		Recovery	=	102.60%	
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.06	85	1335034	9.08	PPBV	99
3) PROPYLENE	3.99	41	185611	9.31	PPBV	97
4) FREON 114	4.32	85	1104094	8.84	PPBV	100
5) CHLOROMETHANE	4.23	50	249129	8.69	PPBV	97
6) VINYL CHLORIDE	4.45	62	320310	8.89	PPBV #	89
7) 1,3-BUTADIENE	4.58	39	212715	9.09	PPBV	100
8) BROMOMETHANE	4.86	94	378088	8.86	PPBV	100
9) CHLOROETHANE	5.03	64	144488	8.85	PPBV	98
10) TRICHLOROFLUOROMETHANE	5.79	101	1311549	9.02	PPBV	99
11) ISOPROPYL ALCOHOL	5.92	45	322164	9.12	PPBV	97
12) ACETONE	5.66	43	335368	8.76	PPBV	99
13) PENTANE	6.14	42	244642	9.20	PPBV	99
14) 1,1-DICHLOROETHYLENE	6.42	96	372254	9.11	PPBV	99
15) CARBON DISULFIDE	6.85	76	1011086	8.74	PPBV	99
16) ETHANOL	5.21	45	51209	10.38	PPBV	75
17) BROMOETHENE	5.38	106	378606	9.00	PPBV	99
18) METHYLENE CHLORIDE	6.55	84	318607	8.17	PPBV	97
19) 3-CHLOROPROPENE	6.66	39	219616	8.54	PPBV	99
20) FREON 113	6.79	151	796267	8.81	PPBV	99
21) TRANS-1,2-DICHLOROETHYLENE	7.45	96	340162	8.61	PPBV	99
22) TERTIARY BUTYL ALCOHOL	6.53	59	451125	9.09	PPBV	99
23) METHYL TERTIARY BUTYL ETHE	7.73	73	653883	9.01	PPBV	99
24) TETRAHYDROFURAN	9.18	42	186932	8.98	PPBV	98
25) HEXANE	8.63	57	341232	8.84	PPBV	98
26) VINYL ACETATE	7.80	43	393252	8.94	PPBV	99
27) 1,1-DICHLOROETHANE	7.66	63	533713	8.80	PPBV	100
28) METHYL ETHYL KETONE	8.07	43	365150	8.93	PPBV	98
29) cis-1,2-DICHLOROETHYLENE	8.46	96	320213	8.58	PPBV	99
30) ETHYL ACETATE	8.69	43	407296	8.95	PPBV	100
31) CHLOROFORM	8.74	83	769763	8.75	PPBV	100
32) 1,1,1-TRICHLOROETHANE	9.68	97	904749	8.63	PPBV	99
33) CARBON TETRACHLORIDE	10.26	117	1191513	8.88	PPBV	99
34) 1,2-DICHLOROETHANE	9.45	62	423903	8.57	PPBV	100
36) BENZENE	10.12	78	755065	8.40	PPBV	99
37) CYCLOHEXANE	10.37	84	389500	8.84	PPBV	99
38) TRICHLOROETHYLENE	11.12	95	418019	8.34	PPBV	99
39) 1,2-DICHLOROPROPANE	10.90	63	243106	8.40	PPBV	99
40) BROMODICHLOROMETHANE	11.09	83	738122	8.49	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.12	57	1245861	8.95	PPBV	99
42) 1,4-DIOXANE	11.17	88	137760	8.54	PPBV	95
43) HEPTANE	11.36	43	357154	8.77	PPBV	98

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10281.D
Acq On : 9 May 2007 9:52 pm
Operator : danat
Sample : ICc533-10 (M079)
Misc : MS13434, MSJ533,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 10 08:23:23 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 09 17:38:43 2007
Response via : Initial Calibration

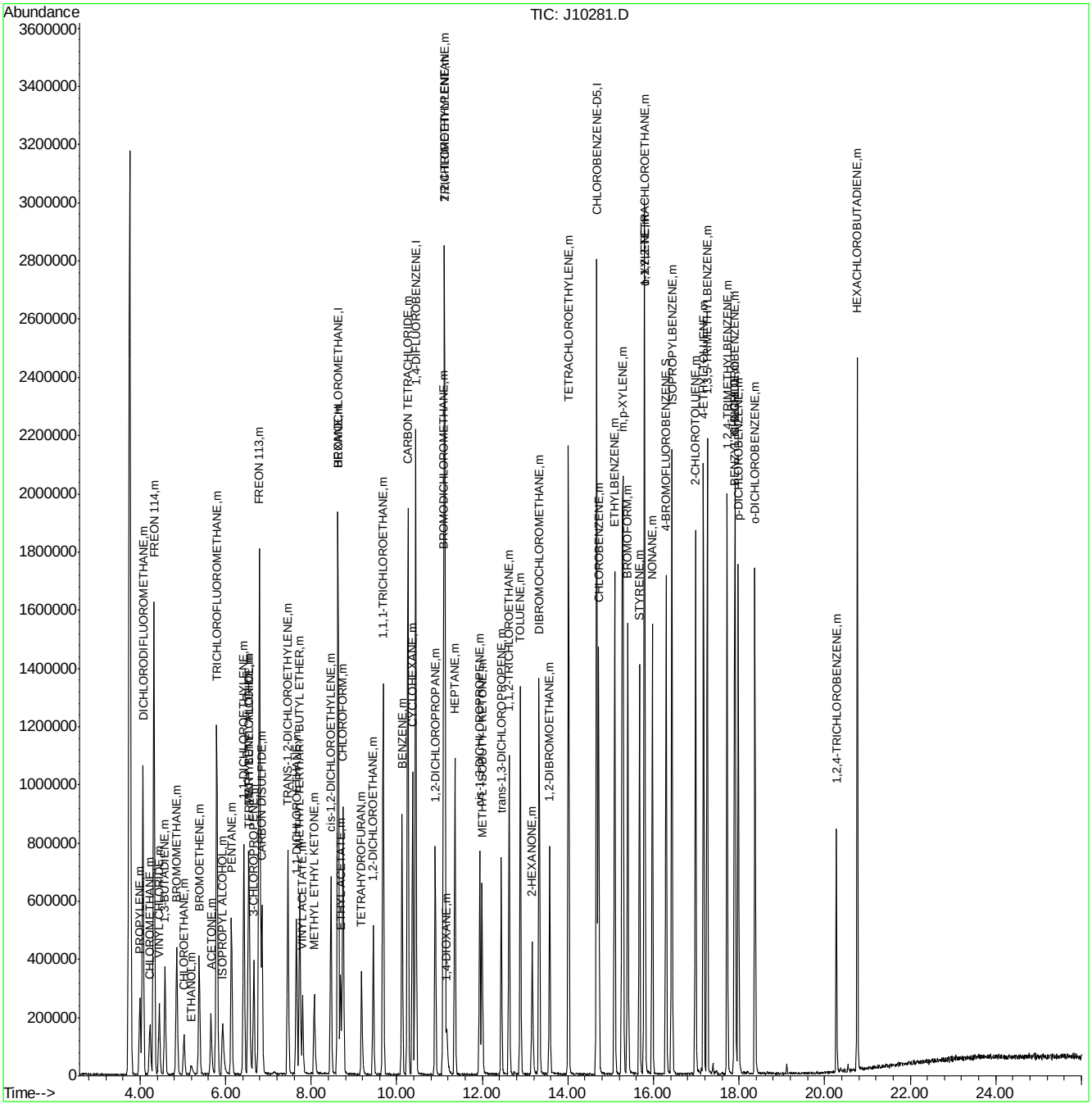
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.99	43	425071	8.67	PPBV	100
45) cis-1,3-DICHLOROPROPENE	11.94	75	385895	8.76	PPBV	100
46) TOLUENE	12.89	92	542169	8.61	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.44	75	371618	8.76	PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.62	83	273074	8.42	PPBV	98
50) 2-HEXANONE	13.16	43	350058	8.42	PPBV	100
51) TETRACHLOROETHYLENE	14.01	164	487777	8.31	PPBV	99
52) DIBROMOCHLOROMETHANE	13.33	129	771223	8.59	PPBV	100
53) 1,2-DIBROMOETHANE	13.57	107	521511	8.51	PPBV	100
54) CHLOROBENZENE	14.72	112	797302	8.58	PPBV	99
55) ETHYLBENZENE	15.09	91	1215370	8.87	PPBV	100
56) m,p-XYLENE	15.29	106	1021055	17.90	PPBV	94
57) o-XYLENE	15.79	106	512115	8.99	PPBV	99
58) STYRENE	15.67	104	670103	9.09	PPBV	99
59) NONANE	15.97	43	481225	9.03	PPBV	99
60) BROMOFORM	15.40	173	816576	8.47	PPBV	100
62) 1,1,2,2-TETRACHLOROETHANE	15.79	83	701321	8.41	PPBV	100
63) ISOPROPYLBENZENE	16.43	105	1468071	8.91	PPBV	100
64) 2-CHLOROTOLUENE	16.98	91	967207	8.90	PPBV	99
65) 4-ETHYLTOLUENE	17.17	105	1266694	8.82	PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.26	105	1168837	8.75	PPBV	100
67) 1,2,4-TRIMETHYLBENZENE	17.72	105	1030474	8.66	PPBV	99
68) m-DICHLOROBENZENE	17.91	146	755613	8.19	PPBV	99
69) BENZYL CHLORIDE	17.89	91	611993	8.55	PPBV	99
70) p-DICHLOROBENZENE	17.98	146	714462	8.36	PPBV	99
71) o-DICHLOROBENZENE	18.37	146	669831	8.13	PPBV	99
72) HEXACHLOROBUTADIENE	20.76	225	414611	5.84	PPBV	98
73) 1,2,4-TRICHLOROBENZENE	20.27	180	219261	7.02	PPBV	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10281.D
Acq On : 9 May 2007 9:52 pm
Operator : danat
Sample : ICc533-10 (M079)
Misc : MS13434, MSJ533,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 10 08:23:23 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 09 17:38:43 2007
Response via : Initial Calibration



ACCUTEST Laboratories M64809

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10282.D
Acq On : 9 May 2007 10:40 pm
Operator : danat
Sample : IC533-5 (M079)
Misc : MS13434, MSJ533,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 10 08:28:02 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 10 08:26:43 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	366773	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.44	114	1563527	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.67	117	1351983	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.29	95	381322	4.17	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 83.40%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.07	85	659515	5.60	PPBV	100
3) PROPYLENE	4.00	41	83889	5.06	PPBV	89
4) FREON 114	4.33	85	503560	5.04	PPBV	98
5) CHLOROMETHANE	4.24	50	119629	5.32	PPBV	99
6) VINYL CHLORIDE	4.45	62	141719	4.93	PPBV	97
7) 1,3-BUTADIENE	4.58	39	94862	4.77	PPBV	97
8) BROMOMETHANE	4.86	94	173852	5.04	PPBV	98
9) CHLOROETHANE	5.03	64	61935	4.65	PPBV	100
10) TRICHLOROFLUOROMETHANE	5.80	101	596208	5.02	PPBV	99
11) ISOPROPYL ALCOHOL	5.93	45	124059	4.00	PPBV	97
12) ACETONE	5.66	43	145315	4.51	PPBV	98
13) PENTANE	6.14	42	108338	4.92	PPBV	99
14) 1,1-DICHLOROETHYLENE	6.43	96	158133	4.64	PPBV	97
15) CARBON DISULFIDE	6.85	76	467845	5.12	PPBV	100
16) ETHANOL	5.20	45	20144	3.97	PPBV	77
17) BROMOETHENE	5.39	106	163524	4.64	PPBV	99
18) METHYLENE CHLORIDE	6.55	84	144762	4.89	PPBV	98
19) 3-CHLOROPROPENE	6.66	39	91378	4.19	PPBV	99
20) FREON 113	6.79	151	365624	4.97	PPBV	100
21) TRANS-1,2-DICHLOROETHYLENE	7.46	96	148077	4.59	PPBV	99
22) TERTIARY BUTYL ALCOHOL	6.53	59	185663	4.16	PPBV	98
23) METHYL TERTIARY BUTYL ETHE	7.73	73	275497	4.29	PPBV	99
24) TETRAHYDROFURAN	9.18	42	73632	3.91	PPBV	97
25) HEXANE	8.63	57	148311	4.63	PPBV	96
26) VINYL ACETATE	7.80	43	159621	4.00	PPBV	97
27) 1,1-DICHLOROETHANE	7.65	63	230505	4.57	PPBV	100
28) METHYL ETHYL KETONE	8.07	43	151968	4.26	PPBV	97
29) cis-1,2-DICHLOROETHYLENE	8.46	96	134707	4.36	PPBV	99
30) ETHYL ACETATE	8.69	43	165297	4.17	PPBV	99
31) CHLOROFORM	8.74	83	337126	4.62	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.68	97	389206	4.43	PPBV	99
33) CARBON TETRACHLORIDE	10.26	117	538078	4.82	PPBV	100
34) 1,2-DICHLOROETHANE	9.45	62	182824	4.33	PPBV	99
36) BENZENE	10.12	78	304284	4.16	PPBV	99
37) CYCLOHEXANE	10.37	84	165185	4.64	PPBV	98
38) TRICHLOROETHYLENE	11.12	95	183986	4.67	PPBV	99
39) 1,2-DICHLOROPROPANE	10.90	63	102207	4.34	PPBV	97
40) BROMODICHLOROMETHANE	11.08	83	319064	4.57	PPBV	100
41) 2,2,4-TRIMETHYLPENTANE	11.12	57	494974	4.28	PPBV	97
42) 1,4-DIOXANE	11.18	88	47550	3.44	PPBV	90
43) HEPTANE	11.36	43	143860	4.21	PPBV	98

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10282.D
Acq On : 9 May 2007 10:40 pm
Operator : danat
Sample : IC533-5 (M079)
Misc : MS13434, MSJ533,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 10 08:28:02 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 10 08:26:43 2007
Response via : Initial Calibration

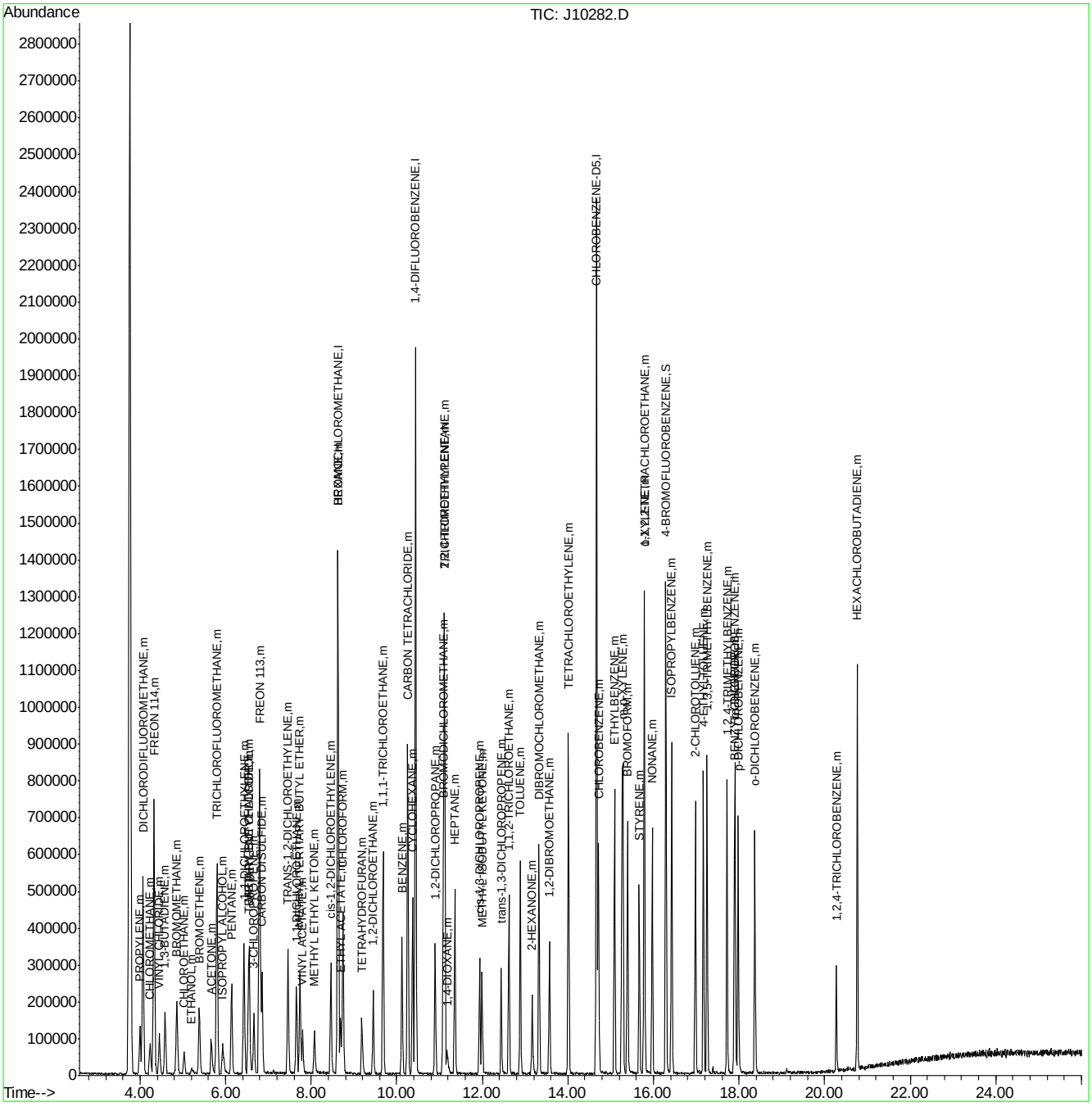
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.99	43	163941	3.87	PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.94	75	147966	3.80	PPBV	97
46) TOLUENE	12.88	92	213818	3.93	PPBV	97
47) trans-1,3-DICHLOROPROPENE	12.44	75	138222	3.61	PPBV	98
48) 1,1,2-TRICHLOROETHANE	12.62	83	115078	4.36	PPBV	98
50) 2-HEXANONE	13.16	43	133852	3.89	PPBV	97
51) TETRACHLOROETHYLENE	14.01	164	204474	4.42	PPBV	99
52) DIBROMOCHLOROMETHANE	13.32	129	331347	4.68	PPBV	100
53) 1,2-DIBROMOETHANE	13.57	107	212135	4.30	PPBV	99
54) CHLOROBENZENE	14.72	112	333880	4.51	PPBV	99
55) ETHYLBENZENE	15.09	91	480853	4.18	PPBV	99
56) m,p-XYLENE	15.27	106	406843	8.53	PPBV	97
57) o-XYLENE	15.78	106	203652	4.22	PPBV	99
58) STYRENE	15.66	104	228166	3.39	PPBV	99
59) NONANE	15.97	43	186332	4.18	PPBV	100
60) BROMOFORM	15.39	173	330866	4.29	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.79	83	289837	4.42	PPBV	99
63) ISOPROPYLBENZENE	16.42	105	561060	4.02	PPBV	99
64) 2-CHLOROTOLUENE	16.98	91	354631	3.75	PPBV	99
65) 4-ETHYLTOLUENE	17.17	105	458887	3.63	PPBV #	45
66) 1,3,5-TRIMETHYLBENZENE	17.25	105	427329	3.74	PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.72	105	377565	3.58	PPBV	99
68) m-DICHLOROBENZENE	17.90	146	307821	3.98	PPBV	99
69) BENZYL CHLORIDE	17.89	91	224322	3.47	PPBV	98
70) p-DICHLOROBENZENE	17.98	146	290086	3.99	PPBV	98
71) o-DICHLOROBENZENE	18.37	146	259799	3.77	PPBV	98
72) HEXACHLOROBUTADIENE	20.76	225	180506	4.47	PPBV	98
73) 1,2,4-TRICHLOROBENZENE	20.27	180	80284	3.48	PPBV	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10282.D
Acq On : 9 May 2007 10:40 pm
Operator : danat
Sample : IC533-5 (M079)
Misc : MS13434, MSJ533,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 10 08:28:02 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 10 08:26:43 2007
Response via : Initial Calibration



J10283.D

Manual Integrations APPROVED (compounds with "m" flag)

Philip Bassignani 05/11/07 16:35

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10283.D
Acq On : 9 May 2007 11:27 pm
Operator : danat
Sample : IC533-2 (M079)
Misc : MS13434, MSJ533,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 10 08:30:24 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 10 08:28:13 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	364997	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.44	114	1696449	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.67	117	1441208	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.29	95	390695	4.19	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 83.80%

Target Compounds							Qvalue
2) DICHLORODIFLUOROMETHANE	4.07	85	265326	2.20	PPBV		99
3) PROPYLENE	3.99	41	27646	1.67	PPBV	#	77
4) FREON 114	4.32	85	242119	2.43	PPBV		99
5) CHLOROMETHANE	4.23	50	53357	2.35	PPBV		94
6) VINYL CHLORIDE	4.44	62	59590	2.09	PPBV	#	51
7) 1,3-BUTADIENE	4.59	39	38962	1.99	PPBV		96
8) BROMOMETHANE	4.86	94	79695	2.32	PPBV		99
9) CHLOROETHANE	5.03	64	23246	1.78	PPBV		99
10) TRICHLOROFLUOROMETHANE	5.80	101	285851	2.42	PPBV		98
11) ISOPROPYL ALCOHOL	5.95	45	36541	1.25	PPBV		82
12) ACETONE	5.67	43	62104	1.99	PPBV		66
13) PENTANE	6.14	42	49414	2.26	PPBV		98
14) 1,1-DICHLOROETHYLENE	6.42	96	68145	2.05	PPBV		96
15) CARBON DISULFIDE	6.85	76	212409	2.32	PPBV		95
16) ETHANOL	5.22	45	8373m	1.75	PPBV		
17) BROMOETHENE	5.38	106	69624	2.02	PPBV		99
18) METHYLENE CHLORIDE	6.55	84	62738	2.14	PPBV		96
19) 3-CHLOROPROPENE	6.67	39	38776	1.86	PPBV		93
20) FREON 113	6.80	151	163182	2.23	PPBV		99
21) TRANS-1,2-DICHLOROETHYLENE	7.46	96	62673	1.99	PPBV		99
22) TERTIARY BUTYL ALCOHOL	6.56	59	63841	1.50	PPBV		96
23) METHYL TERTIARY BUTYL ETHE	7.74	73	112307	1.82	PPBV		98
24) TETRAHYDROFURAN	9.20	42	27340	1.54	PPBV		89
25) HEXANE	8.63	57	64000	2.05	PPBV		92
26) VINYL ACETATE	7.81	43	59142	1.57	PPBV		95
27) 1,1-DICHLOROETHANE	7.65	63	103936	2.12	PPBV		99
28) METHYL ETHYL KETONE	8.08	43	64492	1.89	PPBV		95
29) cis-1,2-DICHLOROETHYLENE	8.46	96	61795	2.07	PPBV		99
30) ETHYL ACETATE	8.70	43	70793	1.87	PPBV	#	98
31) CHLOROFORM	8.74	83	157428	2.21	PPBV		98
32) 1,1,1-TRICHLOROETHANE	9.68	97	173991	2.05	PPBV		99
33) CARBON TETRACHLORIDE	10.26	117	231505	2.10	PPBV		99
34) 1,2-DICHLOROETHANE	9.45	62	86021	2.12	PPBV		100
36) BENZENE	10.12	78	131797	1.73	PPBV		98
37) CYCLOHEXANE	10.37	84	65341	1.72	PPBV		99
38) TRICHLOROETHYLENE	11.11	95	87630	2.08	PPBV		100
39) 1,2-DICHLOROPROPANE	10.90	63	44533	1.80	PPBV		90
40) BROMODICHLOROMETHANE	11.08	83	152058	2.05	PPBV		99
41) 2,2,4-TRIMETHYLPENTANE	11.12	57	192800	1.59	PPBV		95
42) 1,4-DIOXANE	11.20	88	13702m	0.99	PPBV		
43) HEPTANE	11.36	43	60293	1.69	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10283.D
Acq On : 9 May 2007 11:27 pm
Operator : danat
Sample : IC533-2 (M079)
Misc : MS13434, MSJ533,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 10 08:30:24 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 10 08:28:13 2007
Response via : Initial Calibration

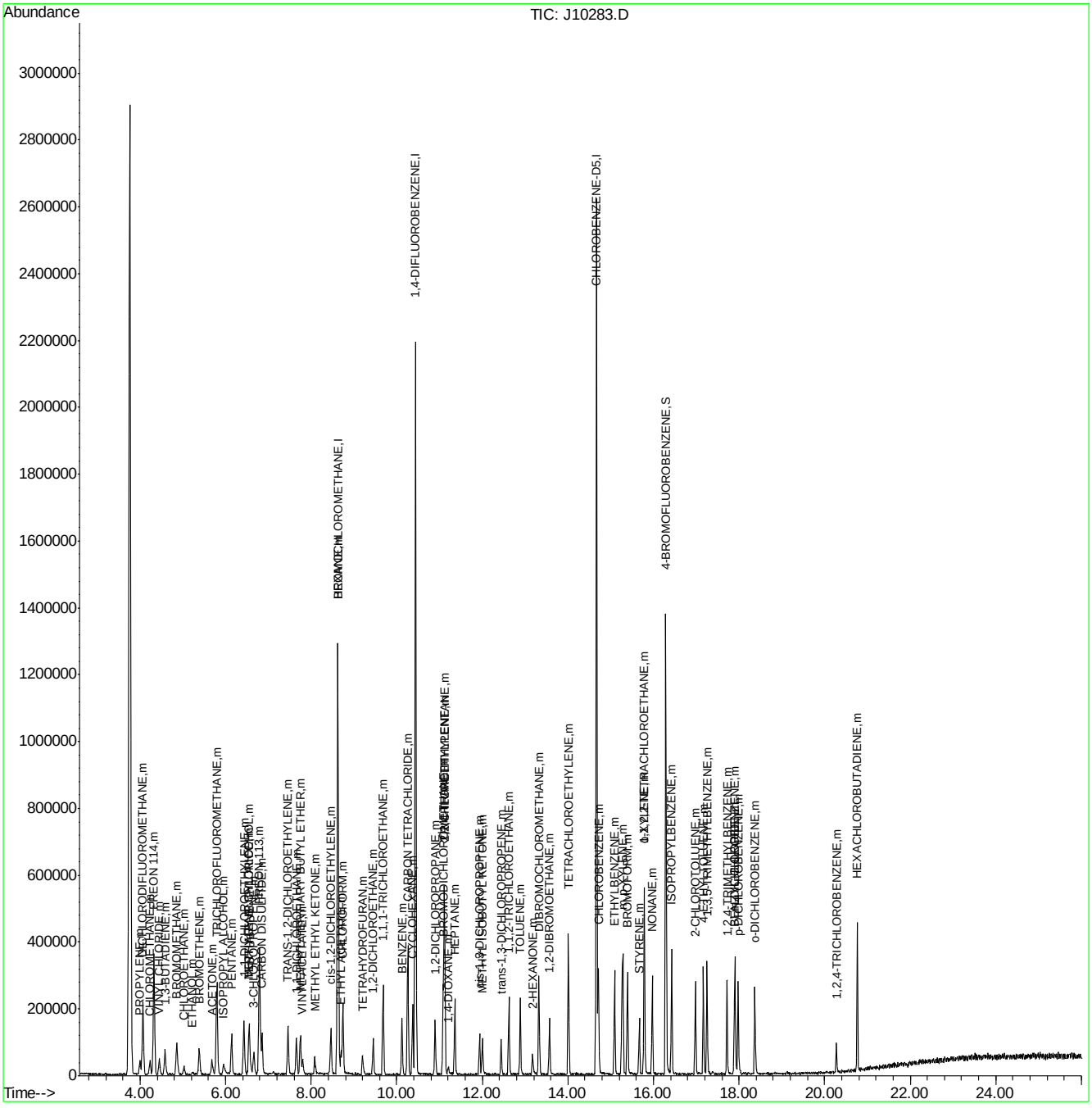
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.00	43	61589	1.42	PPBV	93
45) cis-1,3-DICHLOROPROPENE	11.93	75	57253	1.44	PPBV	97
46) TOLUENE	12.89	92	83319	1.49	PPBV	93
47) trans-1,3-DICHLOROPROPENE	12.44	75	53056	1.37	PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.62	83	52926	1.91	PPBV	96
50) 2-HEXANONE	13.18	43	42072	1.22	PPBV	92
51) TETRACHLOROETHYLENE	14.01	164	92176	1.93	PPBV	99
52) DIBROMOCHLOROMETHANE	13.32	129	156054	2.10	PPBV	99
53) 1,2-DIBROMOETHANE	13.57	107	94616	1.86	PPBV	99
54) CHLOROBENZENE	14.72	112	158458	2.06	PPBV	98
55) ETHYLBENZENE	15.09	91	177378	1.51	PPBV	99
56) m,p-XYLENE	15.28	106	158064m	3.23	PPBV	
57) o-XYLENE	15.78	106	76083	1.54	PPBV	96
58) STYRENE	15.67	104	73413	1.11	PPBV	98
59) NONANE	15.97	43	72444	1.59	PPBV	99
60) BROMOFORM	15.39	173	150352	1.90	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.79	83	125824	1.85	PPBV	99
63) ISOPROPYLBENZENE	16.42	105	213050	1.51	PPBV	99
64) 2-CHLOROTOLUENE	16.98	91	131457	1.39	PPBV	98
65) 4-ETHYLTOLUENE	17.17	105	162932	1.30	PPBV	98
66) 1,3,5-TRIMETHYLBENZENE	17.25	105	158041	1.38	PPBV	97
67) 1,2,4-TRIMETHYLBENZENE	17.72	105	129200	1.24	PPBV	99
68) m-DICHLOROBENZENE	17.90	146	130244	1.66	PPBV	97
69) BENZYL CHLORIDE	17.89	91	72946	1.15	PPBV	100
70) p-DICHLOROBENZENE	17.98	146	110415	1.50	PPBV	98
71) o-DICHLOROBENZENE	18.37	146	105939	1.54	PPBV	97
72) HEXACHLOROBUTADIENE	20.76	225	74693	1.78	PPBV	96
73) 1,2,4-TRICHLOROBENZENE	20.27	180	25976	1.14	PPBV	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10283.D
Acq On : 9 May 2007 11:27 pm
Operator : danat
Sample : IC533-2 (M079)
Misc : MS13434, MSJ533,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 10 08:30:24 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 10 08:28:13 2007
Response via : Initial Calibration

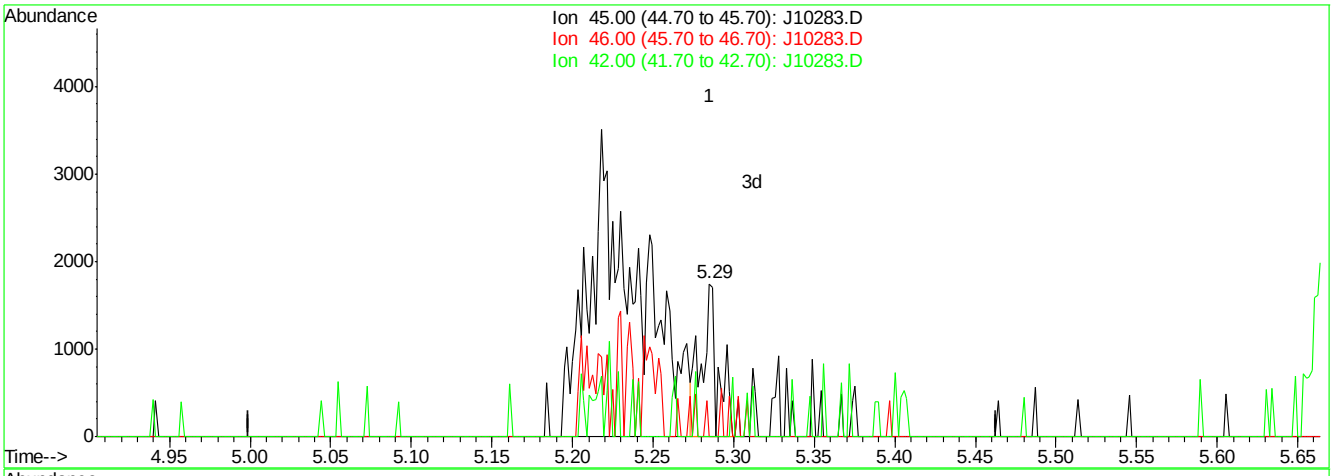


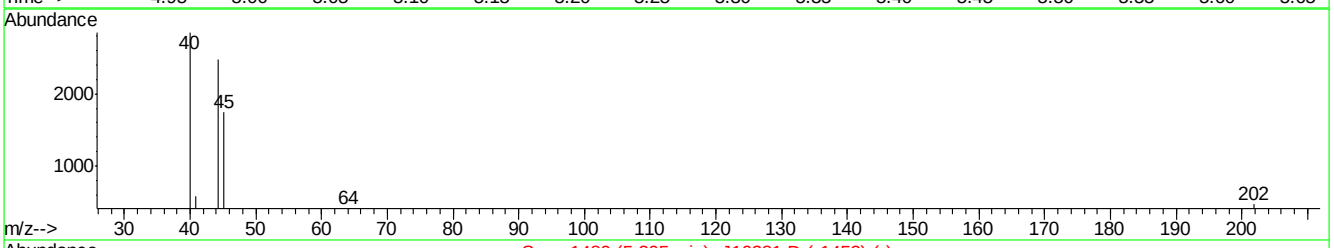
Quantitation Report (Qedit)

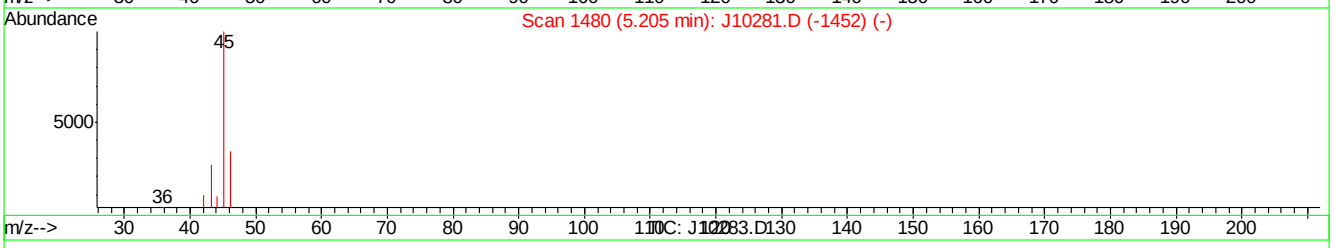
Data File : C:\MSDChem\1\data\J10283.D Vial: 3
Acq On : 9 May 2007 11:27 pm Operator: danat
Sample : IC533-2 (M079) Inst : MSJ
Misc : MS13434, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 10 08:28:50 2007 Results File: J050907T.RES

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 08:28:13 2007
Response via : Multiple Level Calibration







(16) ETHANOL (m)

5.29min 0.27PPBV

response 1281

Ion	Exp%	Act%
45.00	100	100
46.00	14.10	14.99
42.00	2.30	6.17
0.00	0.00	0.00

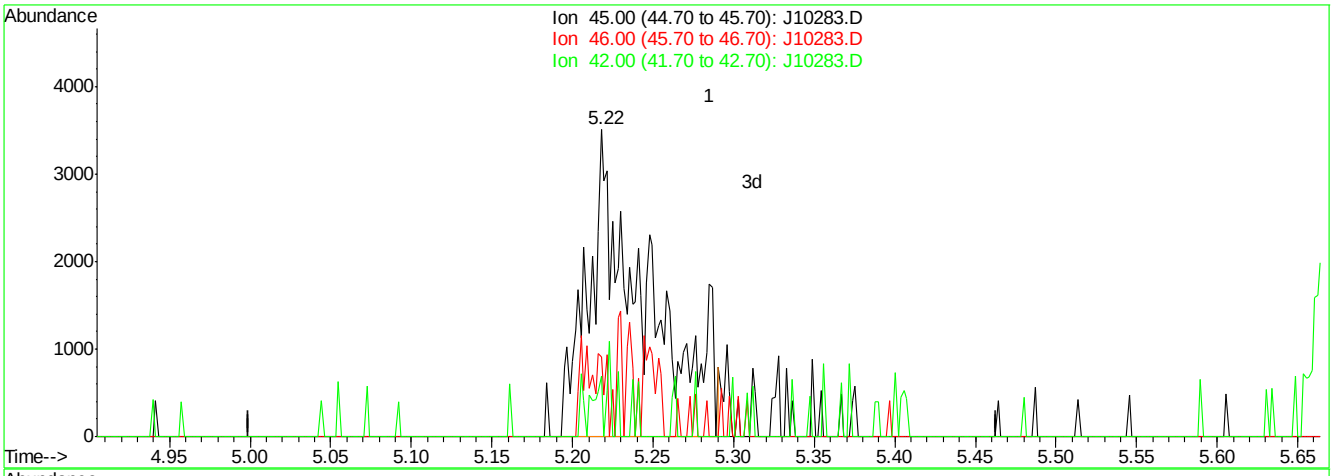
J10283.D J050907T.M Thu May 10 08:29:19 2007

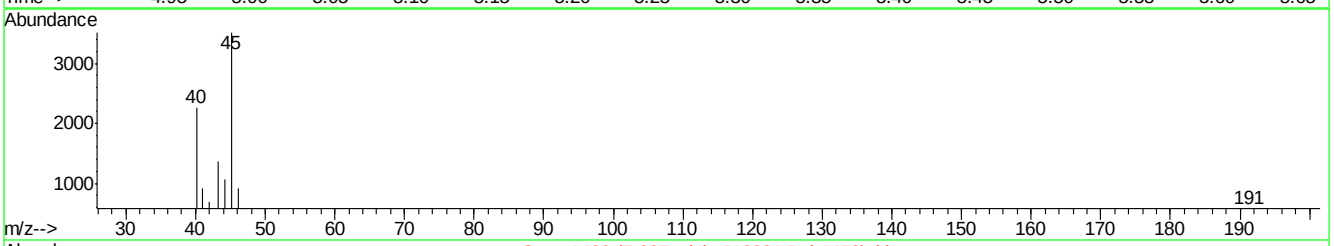
Quantitation Report (Qedit)

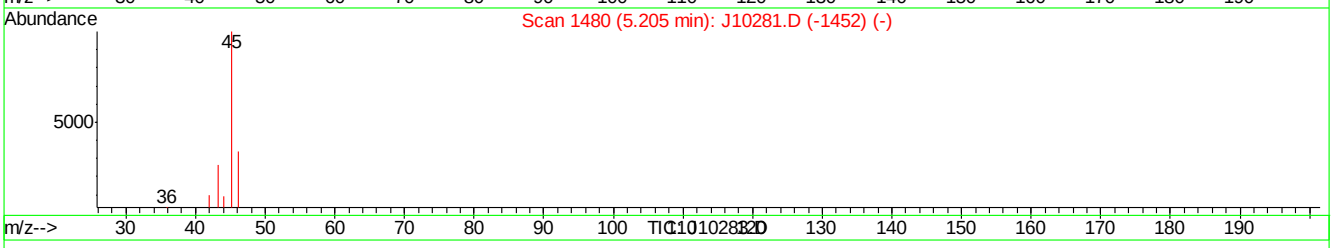
Data File : C:\MSDChem\1\data\J10283.D Vial: 3
Acq On : 9 May 2007 11:27 pm Operator: danat
Sample : IC533-2 (M079) Inst : MSJ
Misc : MS13434, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 10 08:28:50 2007 Results File: J050907T.RES

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 08:28:13 2007
Response via : Multiple Level Calibration







(16) ETHANOL (m)

5.22min 1.75PPBV m

response 8373

Ion	Exp%	Act%
45.00	100	100
46.00	14.10	2.29
42.00	2.30	0.94
0.00	0.00	0.00

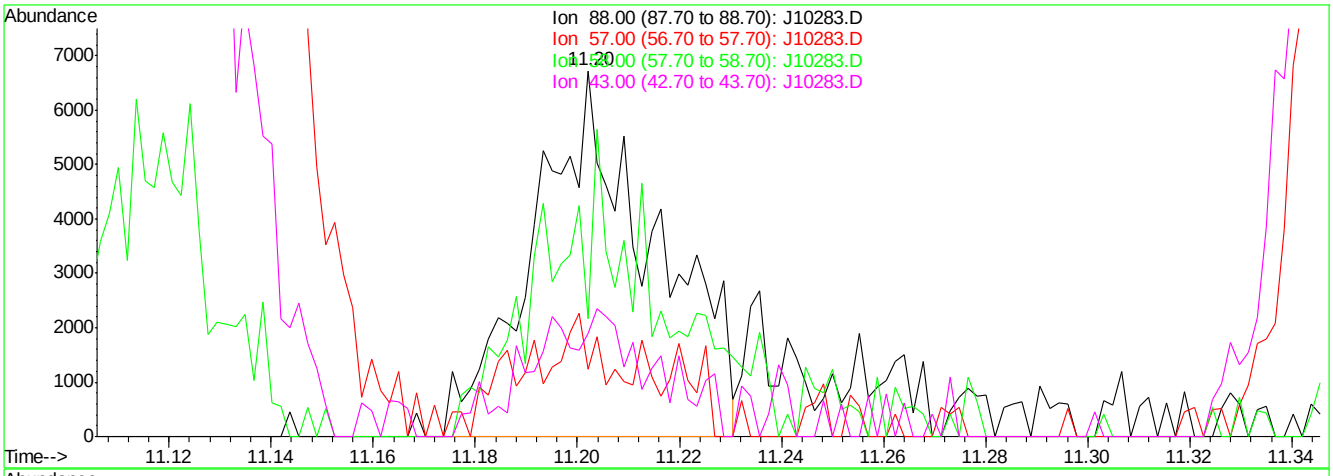
J10283.D J050907T.M Thu May 10 08:29:28 2007

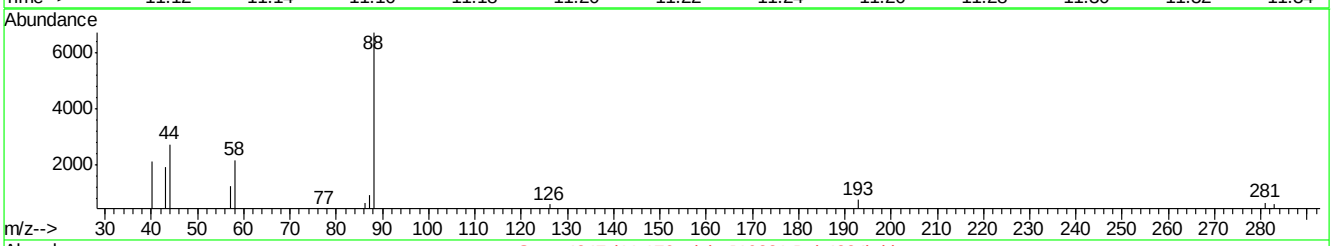
Quantitation Report (Qedit)

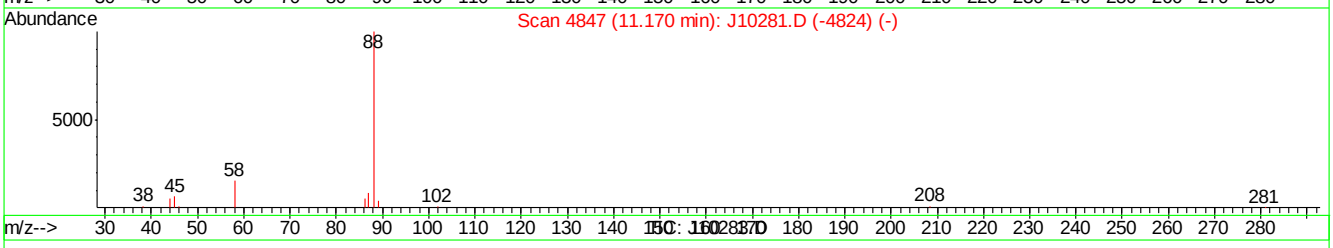
Data File : C:\MSDChem\1\data\J10283.D Vial: 3
Acq On : 9 May 2007 11:27 pm Operator: danat
Sample : IC533-2 (M079) Inst : MSJ
Misc : MS13434, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 10 08:28:50 2007 Results File: J050907T.RES

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 08:28:13 2007
Response via : Multiple Level Calibration







(42) 1,4-DIOXANE (m)

11.20min 0.80PPBV

response 11007

Ion	Exp%	Act%
88.00	100	100
57.00	26.70	18.48
58.00	51.70	32.19
43.00	24.80	28.34

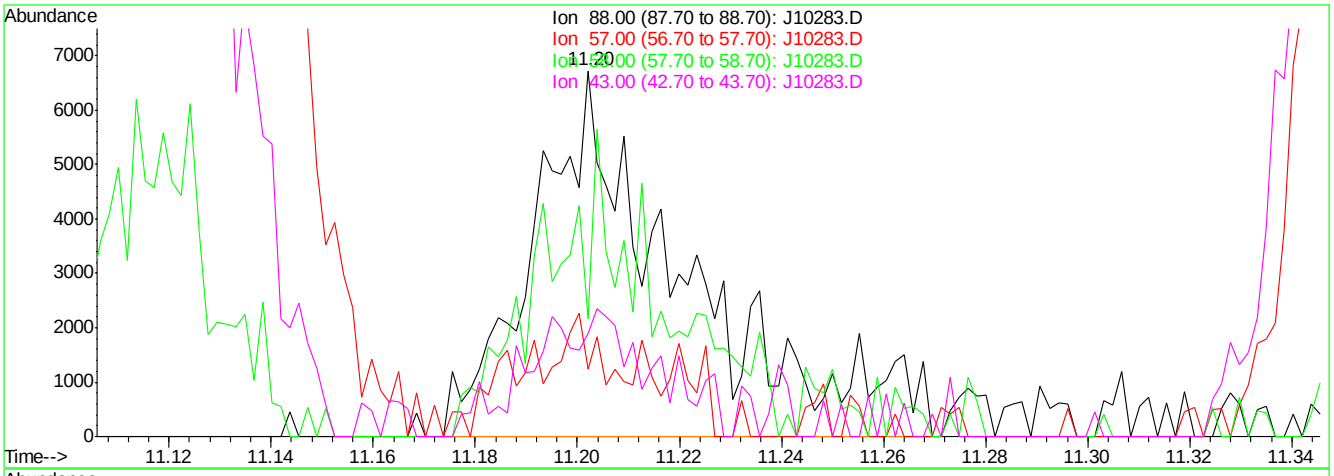
J10283.D J050907T.M Thu May 10 08:29:58 2007

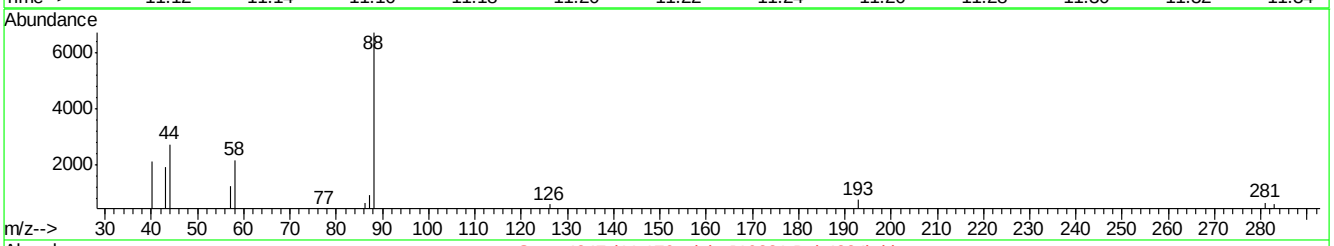
Quantitation Report (Qedit)

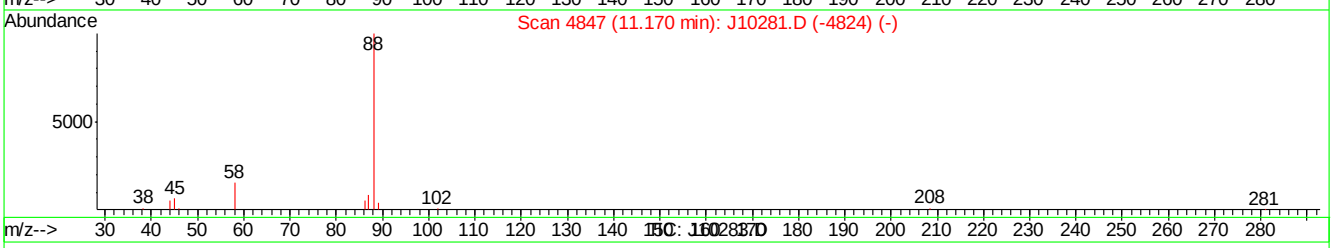
Data File : C:\MSDChem\1\data\J10283.D Vial: 3
Acq On : 9 May 2007 11:27 pm Operator: danat
Sample : IC533-2 (M079) Inst : MSJ
Misc : MS13434, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 10 08:28:50 2007 Results File: J050907T.RES

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 08:28:13 2007
Response via : Multiple Level Calibration







(42) 1,4-DIOXANE (m)

11.20min 0.99PPBV m

response 13702

Ion	Exp%	Act%
88.00	100	100
57.00	26.70	18.48
58.00	51.70	32.19
43.00	24.80	28.34

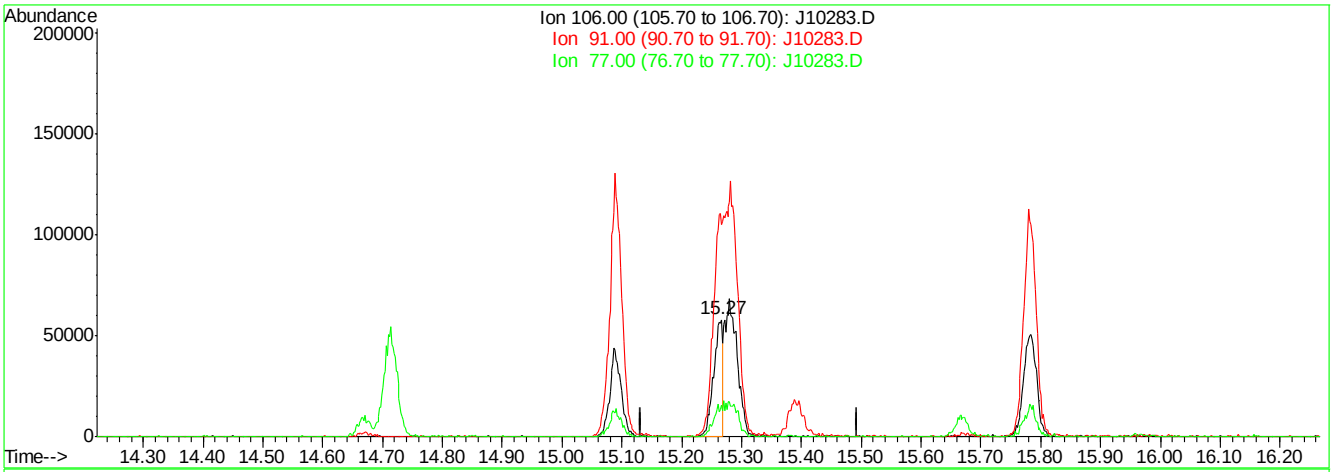
J10283.D J050907T.M Thu May 10 08:30:04 2007

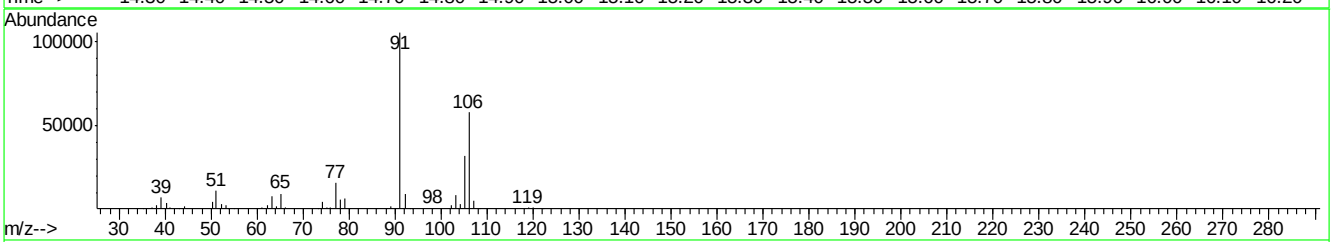
Quantitation Report (Qedit)

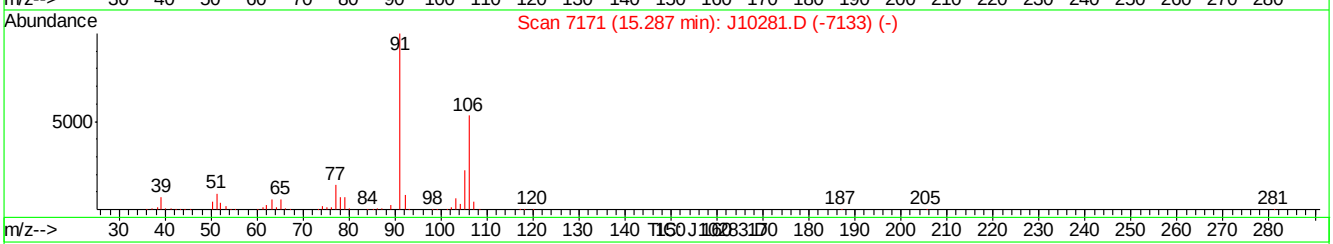
Data File : C:\MSDChem\1\data\J10283.D Vial: 3
Acq On : 9 May 2007 11:27 pm Operator: danat
Sample : IC533-2 (M079) Inst : MSJ
Misc : MS13434, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 10 08:28:50 2007 Results File: J050907T.RES

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 08:28:13 2007
Response via : Multiple Level Calibration







(56) m,p-XYLENE (m)

15.27min 1.17PPBV

response 57465

Ion	Exp%	Act%
106.00	100	100
91.00	187.40	182.02
77.00	26.20	27.08
0.00	0.00	0.00

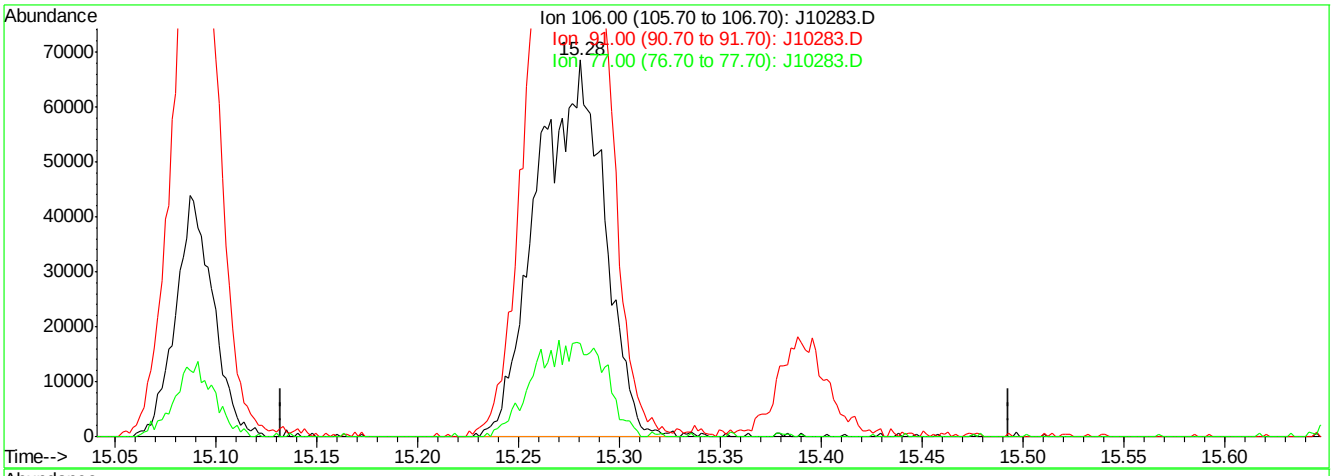
J10283.D J050907T.M Thu May 10 08:30:21 2007

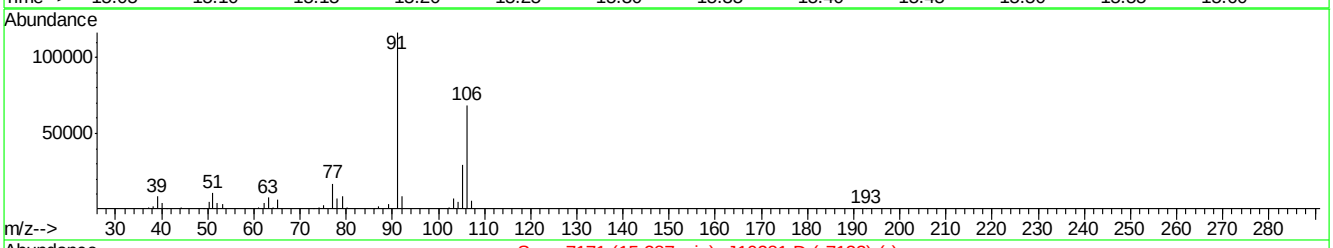
Quantitation Report (Qedit)

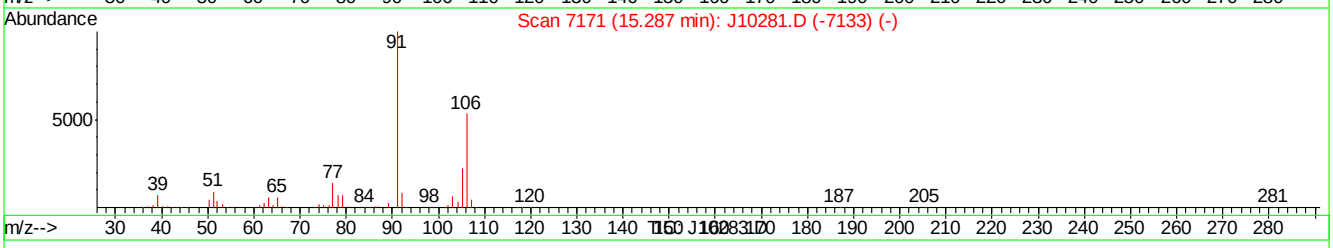
Data File : C:\MSDChem\1\data\J10283.D Vial: 3
Acq On : 9 May 2007 11:27 pm Operator: danat
Sample : IC533-2 (M079) Inst : MSJ
Misc : MS13434, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 10 08:28:50 2007 Results File: J050907T.RES

Method : C:\MSDCHEM\1\METHODS\J050907T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu May 10 08:28:13 2007
Response via : Multiple Level Calibration







(56) m,p-XYLENE (m)

15.28min 3.23PPBV m

response 158064

Ion	Exp%	Act%
106.00	100	100
91.00	187.40	169.79
77.00	26.20	24.82
0.00	0.00	0.00

J10283.D J050907T.M Thu May 10 08:30:26 2007

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10286A.D
Acq On : 10 May 2007 10:33 am
Operator : danat
Sample : CC533-10 (M054)
Misc : MS13434, MSJ533,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 10 11:10:20 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 10 11:09:51 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	413189	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.44	114	1835396	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.67	117	1640141	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.29	95	531829	5.53	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 110.60%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.07	85	1305850	8.99	PPBV	100
3) PROPYLENE	3.99	41	178641	10.76	PPBV #	87
4) FREON 114	4.32	85	1056037	8.62	PPBV	99
5) CHLOROMETHANE	4.23	50	247208	9.17	PPBV	97
6) VINYL CHLORIDE	4.45	62	301533	8.91	PPBV	100
7) 1,3-BUTADIENE	4.58	39	204602	10.02	PPBV	97
8) BROMOMETHANE	4.85	94	360144	8.79	PPBV	99
9) CHLOROETHANE	5.03	64	140741	10.21	PPBV	99
10) TRICHLOROFLUOROMETHANE	5.79	101	1263256	8.54	PPBV	100
11) ISOPROPYL ALCOHOL	5.92	45	301406	9.67	PPBV	97
12) ACETONE	5.65	43	283156	7.72	PPBV	99
13) PENTANE	6.13	42	238500	9.59	PPBV	98
14) 1,1-DICHLOROETHYLENE	6.43	96	321653	8.69	PPBV	96
15) CARBON DISULFIDE	6.85	76	924747	8.26	PPBV	99
16) ETHANOL	5.20	45	49752	10.19	PPBV	96
17) BROMOETHENE	5.38	106	346747	9.30	PPBV	100
18) METHYLENE CHLORIDE	6.54	84	285766	7.73	PPBV	97
19) 3-CHLOROPROPENE	6.66	39	219659	9.18	PPBV	96
20) FREON 113	6.79	151	717493	7.93	PPBV	99
21) TRANS-1,2-DICHLOROETHYLENE	7.46	96	317265	8.82	PPBV	98
22) TERTIARY BUTYL ALCOHOL	6.52	59	409671	9.61	PPBV	99
23) METHYL TERTIARY BUTYL ETHE	7.73	73	534027	8.16	PPBV	98
24) TETRAHYDROFURAN	9.17	42	153701	8.55	PPBV	98
25) HEXANE	8.63	57	300535	7.52	PPBV	97
26) VINYL ACETATE	7.80	43	322349	8.07	PPBV	98
27) 1,1-DICHLOROETHANE	7.66	63	492394	8.46	PPBV	100
28) METHYL ETHYL KETONE	8.07	43	304589	8.22	PPBV	94
29) cis-1,2-DICHLOROETHYLENE	8.46	96	285978	8.56	PPBV	97
30) ETHYL ACETATE	8.68	43	324353	7.81	PPBV	99
31) CHLOROFORM	8.74	83	712177	8.31	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.68	97	854284	8.59	PPBV	99
33) CARBON TETRACHLORIDE	10.26	117	1127397	8.62	PPBV	99
34) 1,2-DICHLOROETHANE	9.45	62	382396	8.09	PPBV	100
36) BENZENE	10.12	78	669804	8.55	PPBV	100
37) CYCLOHEXANE	10.37	84	353671	9.72	PPBV	99
38) TRICHLOROETHYLENE	11.12	95	389434	8.76	PPBV	97
39) 1,2-DICHLOROPROPANE	10.90	63	214272	8.13	PPBV	98
40) BROMODICHLOROMETHANE	11.08	83	655320	7.76	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.12	57	1187978	10.49	PPBV	98
42) 1,4-DIOXANE	11.16	88	122751	8.14	PPBV	95
43) HEPTANE	11.36	43	323287	9.70	PPBV	99

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10286A.D
Acq On : 10 May 2007 10:33 am
Operator : danat
Sample : CC533-10 (M054)
Misc : MS13434, MSJ533,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 10 11:10:20 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 10 11:09:51 2007
Response via : Initial Calibration

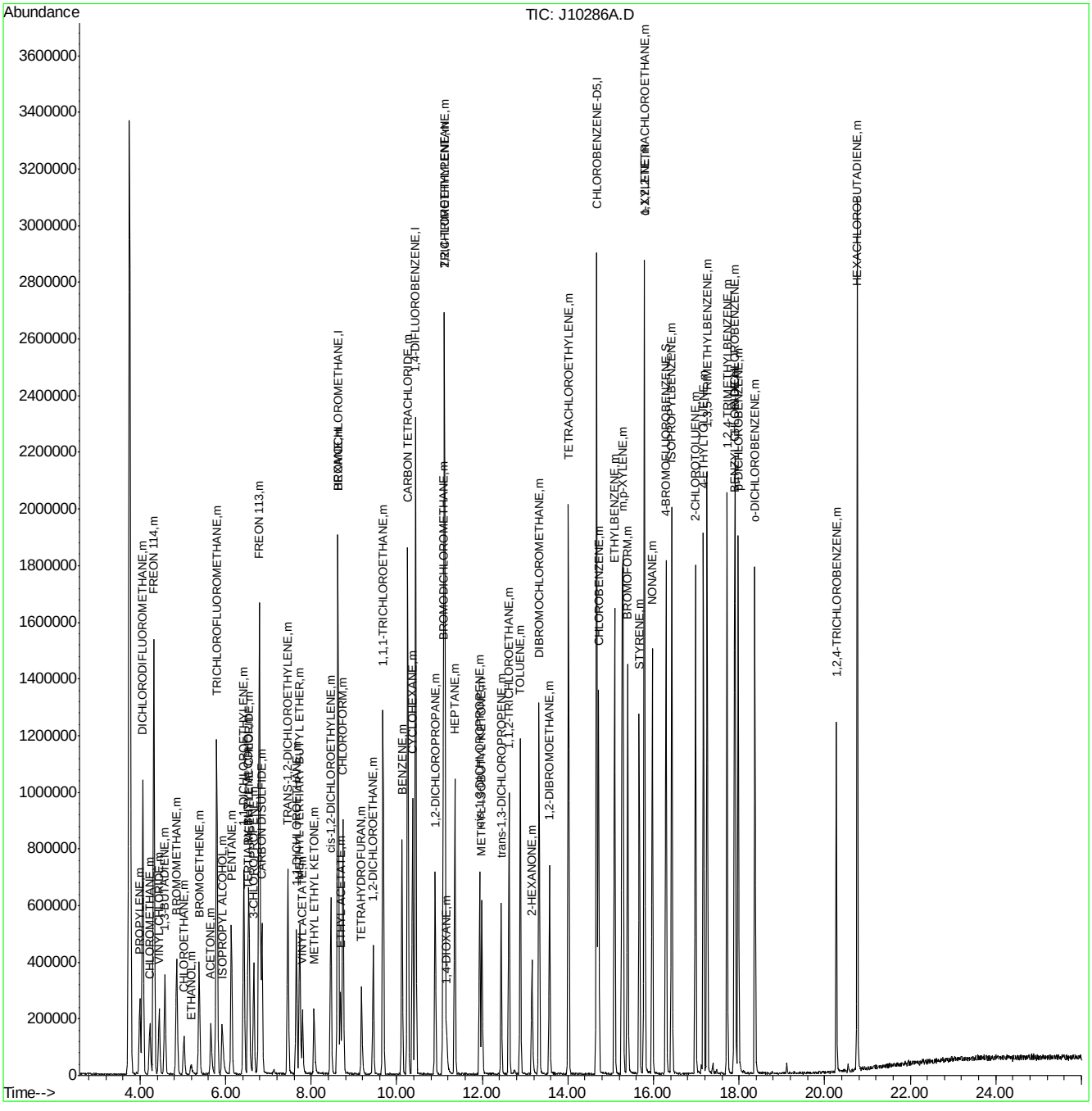
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.98	43	366654	8.87	PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.94	75	349534	9.62	PPBV	98
46) TOLUENE	12.89	92	462783	9.02	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.44	75	290402	7.07	PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.62	83	240426	8.02	PPBV	99
50) 2-HEXANONE	13.15	43	285755	7.38	PPBV	98
51) TETRACHLOROETHYLENE	14.01	164	445675	8.05	PPBV	99
52) DIBROMOCHLOROMETHANE	13.33	129	679264	7.62	PPBV	100
53) 1,2-DIBROMOETHANE	13.57	107	465149	8.46	PPBV	99
54) CHLOROBENZENE	14.71	112	714978	8.20	PPBV	98
55) ETHYLBENZENE	15.09	91	1072352	9.61	PPBV	99
56) m,p-XYLENE	15.28	106	907029	15.87	PPBV	100
57) o-XYLENE	15.78	106	461835	7.99	PPBV	100
58) STYRENE	15.67	104	610702	8.04	PPBV	100
59) NONANE	15.97	43	458405	9.71	PPBV	99
60) BROMOFORM	15.40	173	731566	8.07	PPBV	100
62) 1,1,2,2-TETRACHLOROETHANE	15.79	83	671390	8.73	PPBV	100
63) ISOPROPYLBENZENE	16.43	105	1349019	9.29	PPBV	99
64) 2-CHLOROTOLUENE	16.98	91	917142	9.59	PPBV	99
65) 4-ETHYLTOLUENE	17.17	105	1113566	7.77	PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.25	105	1099713	9.63	PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.72	105	998081	8.26	PPBV	99
68) m-DICHLOROBENZENE	17.91	146	797605	9.78	PPBV	99
69) BENZYL CHLORIDE	17.89	91	637252	9.90	PPBV	100
70) p-DICHLOROBENZENE	17.98	146	749201	10.05	PPBV	98
71) o-DICHLOROBENZENE	18.37	146	706204	9.72	PPBV	100
72) HEXACHLOROBUTADIENE	20.76	225	520415	11.87	PPBV	100
73) 1,2,4-TRICHLOROBENZENE	20.27	180	330262	13.97	PPBV	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10286A.D
Acq On : 10 May 2007 10:33 am
Operator : danat
Sample : CC533-10 (M054)
Misc : MS13434, MSJ533,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 10 11:10:20 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 10 11:09:51 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10286.D
Acq On : 10 May 2007 10:33 am
Operator : danat
Sample : ICV533-10 (M054)
Misc : MS13434, MSJ533,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 10 11:10:20 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 10 11:09:51 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	413189	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.44	114	1835396	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.67	117	1640141	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.29	95	531829	5.53	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 110.60%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.07	85	1305850	8.99	PPBV	100
3) PROPYLENE	3.99	41	178641	10.76	PPBV #	87
4) FREON 114	4.32	85	1056037	8.62	PPBV	99
5) CHLOROMETHANE	4.23	50	247208	9.17	PPBV	97
6) VINYL CHLORIDE	4.45	62	301533	8.91	PPBV	100
7) 1,3-BUTADIENE	4.58	39	204602	10.02	PPBV	97
8) BROMOMETHANE	4.85	94	360144	8.79	PPBV	99
9) CHLOROETHANE	5.03	64	140741	10.21	PPBV	99
10) TRICHLOROFLUOROMETHANE	5.79	101	1263256	8.54	PPBV	100
11) ISOPROPYL ALCOHOL	5.92	45	301406	9.67	PPBV	97
12) ACETONE	5.65	43	283156	7.72	PPBV	99
13) PENTANE	6.13	42	238500	9.59	PPBV	98
14) 1,1-DICHLOROETHYLENE	6.43	96	321653	8.69	PPBV	96
15) CARBON DISULFIDE	6.85	76	924747	8.26	PPBV	99
16) ETHANOL	5.20	45	49752	10.19	PPBV	96
17) BROMOETHENE	5.38	106	346747	9.30	PPBV	100
18) METHYLENE CHLORIDE	6.54	84	285766	7.73	PPBV	97
19) 3-CHLOROPROPENE	6.66	39	219659	9.18	PPBV	96
20) FREON 113	6.79	151	717493	7.93	PPBV	99
21) TRANS-1,2-DICHLOROETHYLENE	7.46	96	317265	8.82	PPBV	98
22) TERTIARY BUTYL ALCOHOL	6.52	59	409671	9.61	PPBV	99
23) METHYL TERTIARY BUTYL ETHE	7.73	73	534027	8.16	PPBV	98
24) TETRAHYDROFURAN	9.17	42	153701	8.55	PPBV	98
25) HEXANE	8.63	57	300535	7.52	PPBV	97
26) VINYL ACETATE	7.80	43	322349	8.07	PPBV	98
27) 1,1-DICHLOROETHANE	7.66	63	492394	8.46	PPBV	100
28) METHYL ETHYL KETONE	8.07	43	304589	8.22	PPBV	94
29) cis-1,2-DICHLOROETHYLENE	8.46	96	285978	8.56	PPBV	97
30) ETHYL ACETATE	8.68	43	324353	7.81	PPBV	99
31) CHLOROFORM	8.74	83	712177	8.31	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.68	97	854284	8.59	PPBV	99
33) CARBON TETRACHLORIDE	10.26	117	1127397	8.62	PPBV	99
34) 1,2-DICHLOROETHANE	9.45	62	382396	8.09	PPBV	100
36) BENZENE	10.12	78	669804	8.55	PPBV	100
37) CYCLOHEXANE	10.37	84	353671	9.72	PPBV	99
38) TRICHLOROETHYLENE	11.12	95	389434	8.76	PPBV	97
39) 1,2-DICHLOROPROPANE	10.90	63	214272	8.13	PPBV	98
40) BROMODICHLOROMETHANE	11.08	83	655320	7.76	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.12	57	1187978	10.49	PPBV	98
42) 1,4-DIOXANE	11.16	88	122751	8.14	PPBV	95
43) HEPTANE	11.36	43	323287	9.70	PPBV	99

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10286.D
Acq On : 10 May 2007 10:33 am
Operator : danat
Sample : ICV533-10 (M054)
Misc : MS13434, MSJ533,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 10 11:10:20 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 10 11:09:51 2007
Response via : Initial Calibration

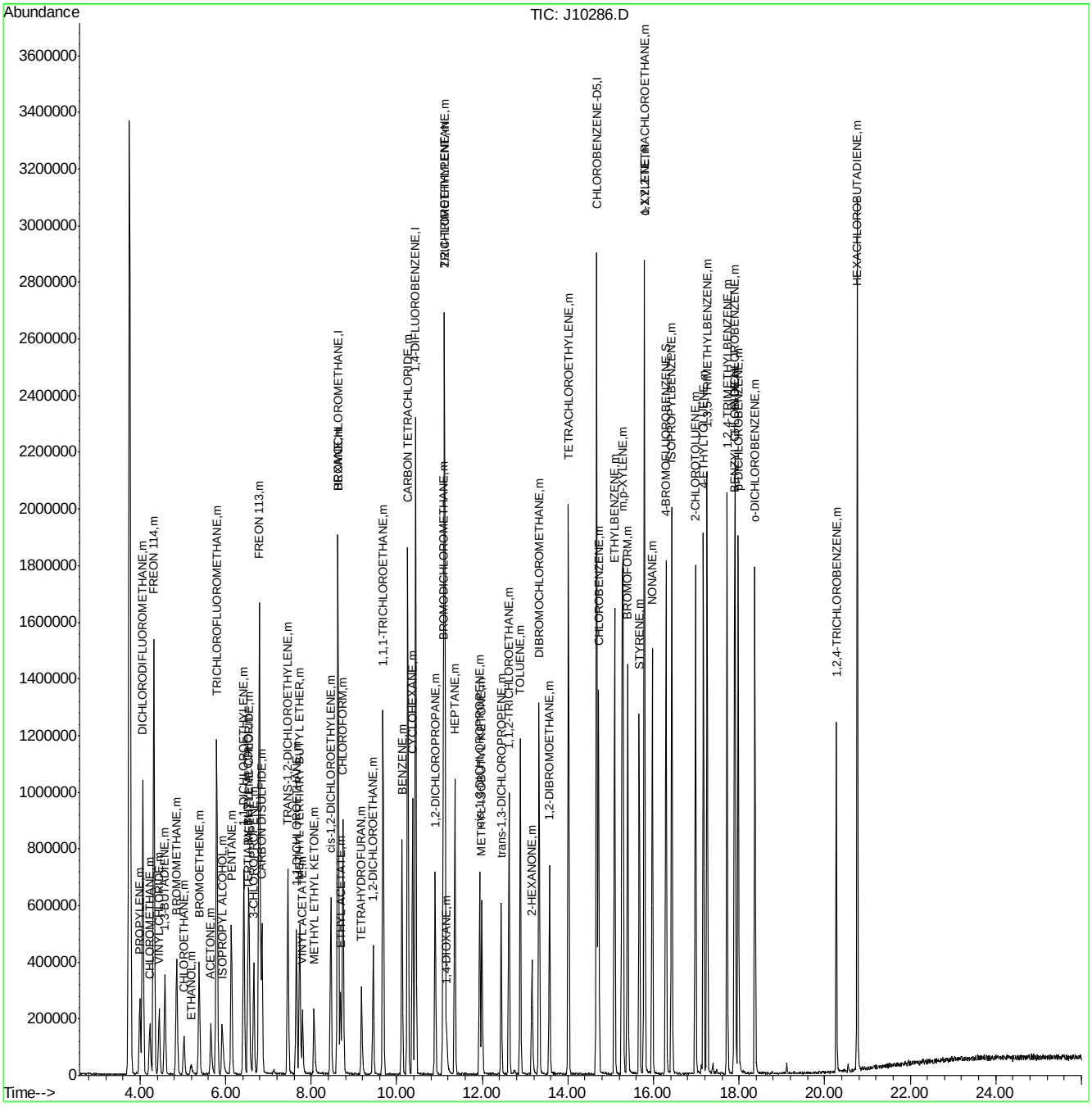
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.98	43	366654	8.87	PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.94	75	349534	9.62	PPBV	98
46) TOLUENE	12.89	92	462783	9.02	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.44	75	290402	7.07	PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.62	83	240426	8.02	PPBV	99
50) 2-HEXANONE	13.15	43	285755	7.38	PPBV	98
51) TETRACHLOROETHYLENE	14.01	164	445675	8.05	PPBV	99
52) DIBROMOCHLOROMETHANE	13.33	129	679264	7.62	PPBV	100
53) 1,2-DIBROMOETHANE	13.57	107	465149	8.46	PPBV	99
54) CHLOROBENZENE	14.71	112	714978	8.20	PPBV	98
55) ETHYLBENZENE	15.09	91	1072352	9.61	PPBV	99
56) m,p-XYLENE	15.28	106	907029	15.87	PPBV	100
57) o-XYLENE	15.78	106	461835	7.99	PPBV	100
58) STYRENE	15.67	104	610702	8.04	PPBV	100
59) NONANE	15.97	43	458405	9.71	PPBV	99
60) BROMOFORM	15.40	173	731566	8.07	PPBV	100
62) 1,1,2,2-TETRACHLOROETHANE	15.79	83	671390	8.73	PPBV	100
63) ISOPROPYLBENZENE	16.43	105	1349019	9.29	PPBV	99
64) 2-CHLOROTOLUENE	16.98	91	917142	9.59	PPBV	99
65) 4-ETHYLTOLUENE	17.17	105	1113566	7.77	PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.25	105	1099713	9.63	PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.72	105	998081	8.26	PPBV	99
68) m-DICHLOROBENZENE	17.91	146	797605	9.78	PPBV	99
69) BENZYL CHLORIDE	17.89	91	637252	9.90	PPBV	100
70) p-DICHLOROBENZENE	17.98	146	749201	10.05	PPBV	98
71) o-DICHLOROBENZENE	18.37	146	706204	9.72	PPBV	100
72) HEXACHLOROBUTADIENE	20.76	225	520415	11.87	PPBV	100
73) 1,2,4-TRICHLOROBENZENE	20.27	180	330262	13.97	PPBV	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10286.D
Acq On : 10 May 2007 10:33 am
Operator : danat
Sample : ICV533-10 (M054)
Misc : MS13434, MSJ533,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 10 11:10:20 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 10 11:09:51 2007
Response via : Initial Calibration



ACCUTEST Laboratories M64809

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10367.D
Acq On : 15 May 2007 12:03 pm
Operator : PhilipB
Sample : CC533-10 (M054)
Misc : MS13540, MSJ537,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 15 18:25:12 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 10 11:09:51 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.63	128	341470	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.44	114	1493501	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.67	117	1358713	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.30	95	431341	5.41	PPBV	0.00
Spiked Amount 5.000	Range 51 - 142		Recovery = 108.20%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.06	85	1238738	10.32	PPBV	100
3) PROPYLENE	3.99	41	170491	12.43	PPBV	92
4) FREON 114	4.32	85	980623	9.69	PPBV	99
5) CHLOROMETHANE	4.23	50	228305	10.25	PPBV	97
6) VINYL CHLORIDE	4.45	62	281504	10.07	PPBV	100
7) 1,3-BUTADIENE	4.58	39	186525	11.05	PPBV	100
8) BROMOMETHANE	4.85	94	344744	10.18	PPBV	99
9) CHLOROETHANE	5.03	64	138401	12.15	PPBV	97
10) TRICHLOROFLUOROMETHANE	5.79	101	1187391	9.72	PPBV	100
11) ISOPROPYL ALCOHOL	5.95	45	292530	11.36	PPBV	98
12) ACETONE	5.66	43	287197	9.43	PPBV	97
13) PENTANE	6.13	42	229505	11.17	PPBV	98
14) 1,1-DICHLOROETHYLENE	6.42	96	306486	10.02	PPBV	97
15) CARBON DISULFIDE	6.85	76	887748	9.59	PPBV	100
16) ETHANOL	5.22	45	49521	12.27	PPBV	72
17) BROMOETHENE	5.38	106	343324	11.14	PPBV	99
18) METHYLENE CHLORIDE	6.55	84	287708	9.64	PPBV	98
19) 3-CHLOROPROPENE	6.66	39	208738	10.56	PPBV	98
20) FREON 113	6.79	151	708328	9.47	PPBV	99
21) TRANS-1,2-DICHLOROETHYLENE	7.45	96	305733	10.29	PPBV	98
22) TERTIARY BUTYL ALCOHOL	6.55	59	404582	11.48	PPBV	99
23) METHYL TERTIARY BUTYL ETHE	7.73	73	559839	10.35	PPBV	99
24) TETRAHYDROFURAN	9.18	42	163445	11.00	PPBV	97
25) HEXANE	8.63	57	298962	9.06	PPBV	98
26) VINYL ACETATE	7.80	43	283889	8.60	PPBV	99
27) 1,1-DICHLOROETHANE	7.65	63	481097	10.00	PPBV	99
28) METHYL ETHYL KETONE	8.08	43	309337	10.10	PPBV	98
29) cis-1,2-DICHLOROETHYLENE	8.46	96	272135	9.85	PPBV	98
30) ETHYL ACETATE	8.69	43	329166	9.59	PPBV	100
31) CHLOROFORM	8.74	83	691603	9.76	PPBV	100
32) 1,1,1-TRICHLOROETHANE	9.68	97	825173	10.04	PPBV	99
33) CARBON TETRACHLORIDE	10.26	117	1129553	10.45	PPBV	98
34) 1,2-DICHLOROETHANE	9.45	62	376290	9.64	PPBV	99
36) BENZENE	10.13	78	663703	10.42	PPBV	99
37) CYCLOHEXANE	10.37	84	359750	12.15	PPBV	99
38) TRICHLOROETHYLENE	11.12	95	386326	10.68	PPBV	99
39) 1,2-DICHLOROPROPANE	10.90	63	215189	10.03	PPBV	98
40) BROMODICHLOROMETHANE	11.09	83	645623	9.39	PPBV	100
41) 2,2,4-TRIMETHYLPENTANE	11.12	57	1146628	12.44	PPBV	99
42) 1,4-DIOXANE	11.18	88	113188	9.02	PPBV	93
43) HEPTANE	11.36	43	326480	12.04	PPBV	99

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10367.D
Acq On : 15 May 2007 12:03 pm
Operator : PhilipB
Sample : CC533-10 (M054)
Misc : MS13540, MSJ537,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 15 18:25:12 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 10 11:09:51 2007
Response via : Initial Calibration

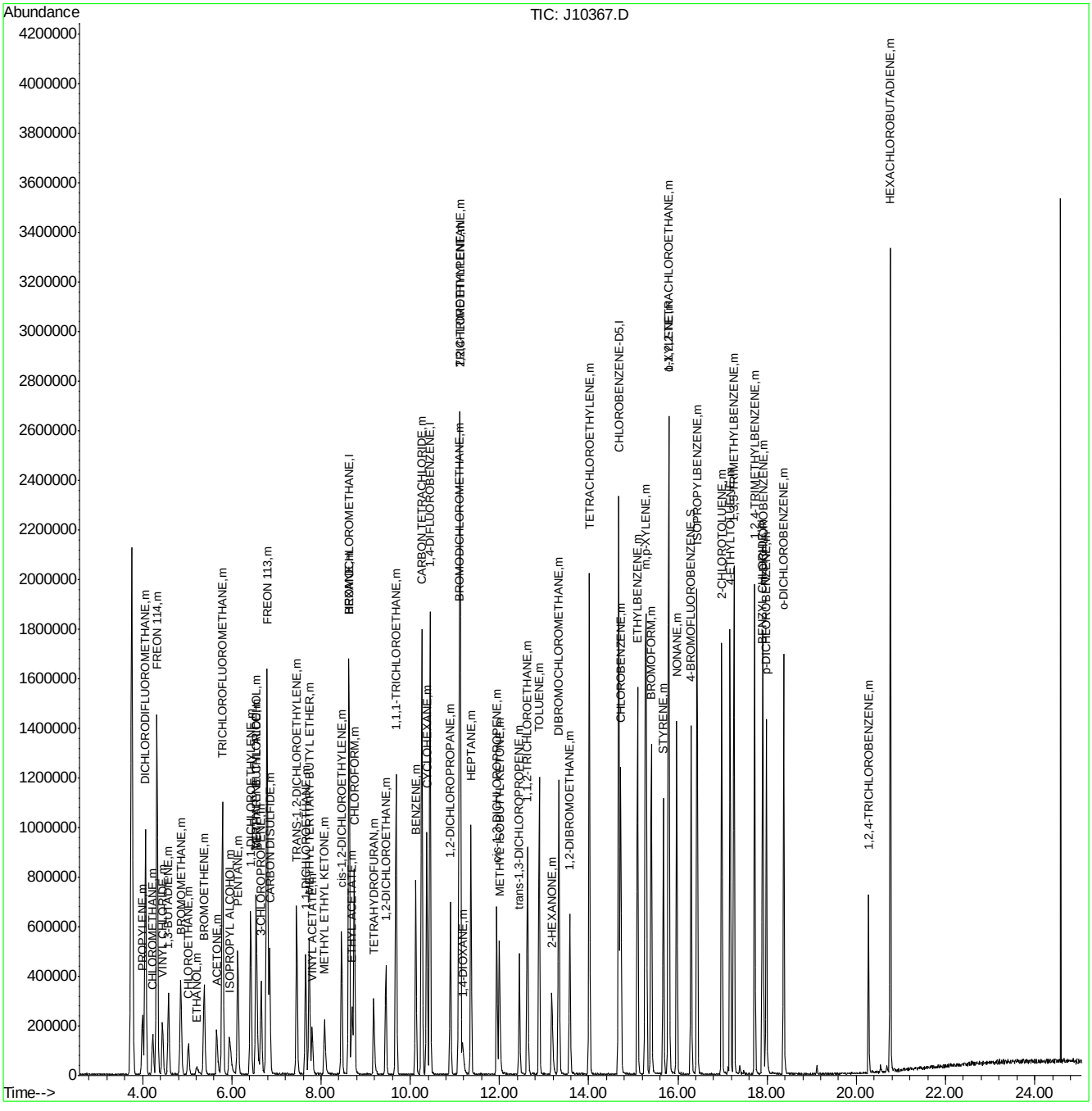
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.99	43	375285	11.16	PPBV	99
45) cis-1,3-DICHLOROPROPENE	11.94	75	340086	11.50	PPBV	99
46) TOLUENE	12.89	92	482205	11.55	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.45	75	251847	7.44	PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.62	83	251776	10.32	PPBV	98
50) 2-HEXANONE	13.17	43	278061	8.42	PPBV	98
51) TETRACHLOROETHYLENE	14.02	164	454726	9.91	PPBV	99
52) DIBROMOCHLOROMETHANE	13.33	129	691076	9.36	PPBV	99
53) 1,2-DIBROMOETHANE	13.57	107	447086	9.82	PPBV	99
54) CHLOROBENZENE	14.72	112	705301	9.77	PPBV	99
55) ETHYLBENZENE	15.10	91	1095980	11.86	PPBV	100
56) m,p-XYLENE	15.28	106	935041	19.32	PPBV	96
57) o-XYLENE	15.79	106	470435	9.61	PPBV	99
58) STYRENE	15.67	104	540643	8.48	PPBV	100
59) NONANE	15.98	43	453638	11.59	PPBV	99
60) BROMOFORM	15.41	173	711888	9.48	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.80	83	673559	10.57	PPBV	100
63) ISOPROPYLBENZENE	16.43	105	1386132	11.52	PPBV	100
64) 2-CHLOROTOLUENE	16.98	91	913039	11.53	PPBV	99
65) 4-ETHYLTOLUENE	17.17	105	1091200	8.90	PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.26	105	1112443	11.76	PPBV	100
67) 1,2,4-TRIMETHYLBENZENE	17.72	105	991571	9.55	PPBV	100
68) m-DICHLOROBENZENE	17.91	146	664163	9.83	PPBV	99
69) BENZYL CHLORIDE	17.89	91	446533	8.60	PPBV	99
70) p-DICHLOROBENZENE	17.98	146	585889	9.48	PPBV	99
71) o-DICHLOROBENZENE	18.37	146	641880	10.66	PPBV	100
72) HEXACHLOROBUTADIENE	20.76	225	560754	15.08	PPBV	100
73) 1,2,4-TRICHLOROBENZENE	20.27	180	193154	9.86	PPBV	96

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10367.D
Acq On : 15 May 2007 12:03 pm
Operator : PhilipB
Sample : CC533-10 (M054)
Misc : MS13540, MSJ537,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 15 18:25:12 2007
Quant Method : C:\MSDCHEM\1\METHODS\J050907T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 10 11:09:51 2007
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
05/21/07 17:26

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3333.D
Acq On : 3 May 2007 5:52 pm
Operator : PhilipB
Sample : IC180-40 (M105)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 04 14:41:05 2007
Quant Method : C:\msdchem\1\METHODS\Q042607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 03 16:43:37 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.646	128	162299	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.479	114	778867	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.723	117	670528	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.345	95	310658	6.05	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 121.00%

Target Compounds							Qvalue
2) DICHLORODIFLUOROMETHANE	4.040	85	2599553	40.21	PPBV		96
3) PROPYLENE	3.966	41	472042	36.34	PPBV		97
4) FREON 114	4.308	85	2302064	40.76	PPBV		97
5) CHLOROMETHANE	4.202	50	550836	38.99	PPBV		100
6) VINYL CHLORIDE	4.427	62	611372	41.29	PPBV		97
7) 1,3-BUTADIENE	4.564	39	661650	43.87	PPBV	#	77
8) BROMOMETHANE	4.844	94	692288	41.42	PPBV		98
9) CHLOROETHANE	5.016	64	267190	46.79	PPBV		87
10) TRICHLOROFLUOROMETHANE	5.803	101	3477492	44.74	PPBV		99
11) ISOPROPYL ALCOHOL	5.838	45	1252834	43.64	PPBV		94
12) ACETONE	5.602	43	1213931	43.39	PPBV		86
13) PENTANE	6.158	42	729580	42.64	PPBV		92
14) 1,1-DICHLOROETHYLENE	6.442	96	707732	48.11	PPBV	#	73
15) CARBON DISULFIDE	6.869	76	1975772	44.12	PPBV		83
16) ETHANOL	5.105	45	189116	39.07	PPBV		93
17) BROMOETHENE	5.382	106	722204	45.27	PPBV	#	93
18) METHYLENE CHLORIDE	6.552	84	706349	44.70	PPBV		67
19) 3-CHLOROPROPENE	6.672	39	979677	54.63	PPBV	#	79
20) FREON 113	6.814	151	1695333	57.34	PPBV		99
21) TRANS-1,2-DICHLOROETHY...	7.482	96	610406	46.89	PPBV	#	79
22) TERTIARY BUTYL ALCOHOL	6.440	59	1551707	52.73	PPBV		87
23) METHYL TERTIARY BUTYL ...	7.719	73	1414107	50.80	PPBV		82
24) TETRAHYDROFURAN	9.145	42	624340	52.88	PPBV		86
25) HEXANE	8.683	57	920942	52.00	PPBV	#	81
26) VINYL ACETATE	7.803	43	1503386	56.12	PPBV		93
27) 1,1-DICHLOROETHANE	7.679	63	1206160	51.94	PPBV		99
28) METHYL ETHYL KETONE	8.042	43	1248802	50.59	PPBV		92
29) cis-1,2-DICHLOROETHYLENE	8.486	96	621811	52.86	PPBV		97
30) ETHYL ACETATE	8.678	43	2252020	55.30	PPBV		98
31) CHLOROFORM	8.768	83	1833908	55.87	PPBV		95
32) 1,1,1-TRICHLOROETHANE	9.723	97	2054681	59.20	PPBV		98
33) CARBON TETRACHLORIDE	10.305	117	2548077	58.80	PPBV		95
34) 1,2-DICHLOROETHANE	9.480	62	1153039	57.97	PPBV		99
36) BENZENE	10.167	78	1673485	49.23	PPBV		97
37) CYCLOHEXANE	10.433	84	654147	44.14	PPBV		95
38) TRICHLOROETHYLENE	11.163	95	1112291	58.01	PPBV		95
39) 1,2-DICHLOROPROPANE	10.941	63	618161	50.21	PPBV		93
40) BROMODICHLOROMETHANE	11.125	83	1932605	57.68	PPBV		98
41) 2,2,4-TRIMETHYLPENTANE	11.187	57	3115507	53.73	PPBV		99
42) 1,4-DIOXANE	11.145	88	327898	51.47	PPBV	#	79
43) HEPTANE	11.425	43	1290035	57.34	PPBV		86

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3333.D
Acq On : 3 May 2007 5:52 pm
Operator : PhilipB
Sample : IC180-40 (M105)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 04 14:41:05 2007
Quant Method : C:\msdchem\1\METHODS\Q042607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 03 16:43:37 2007
Response via : Initial Calibration

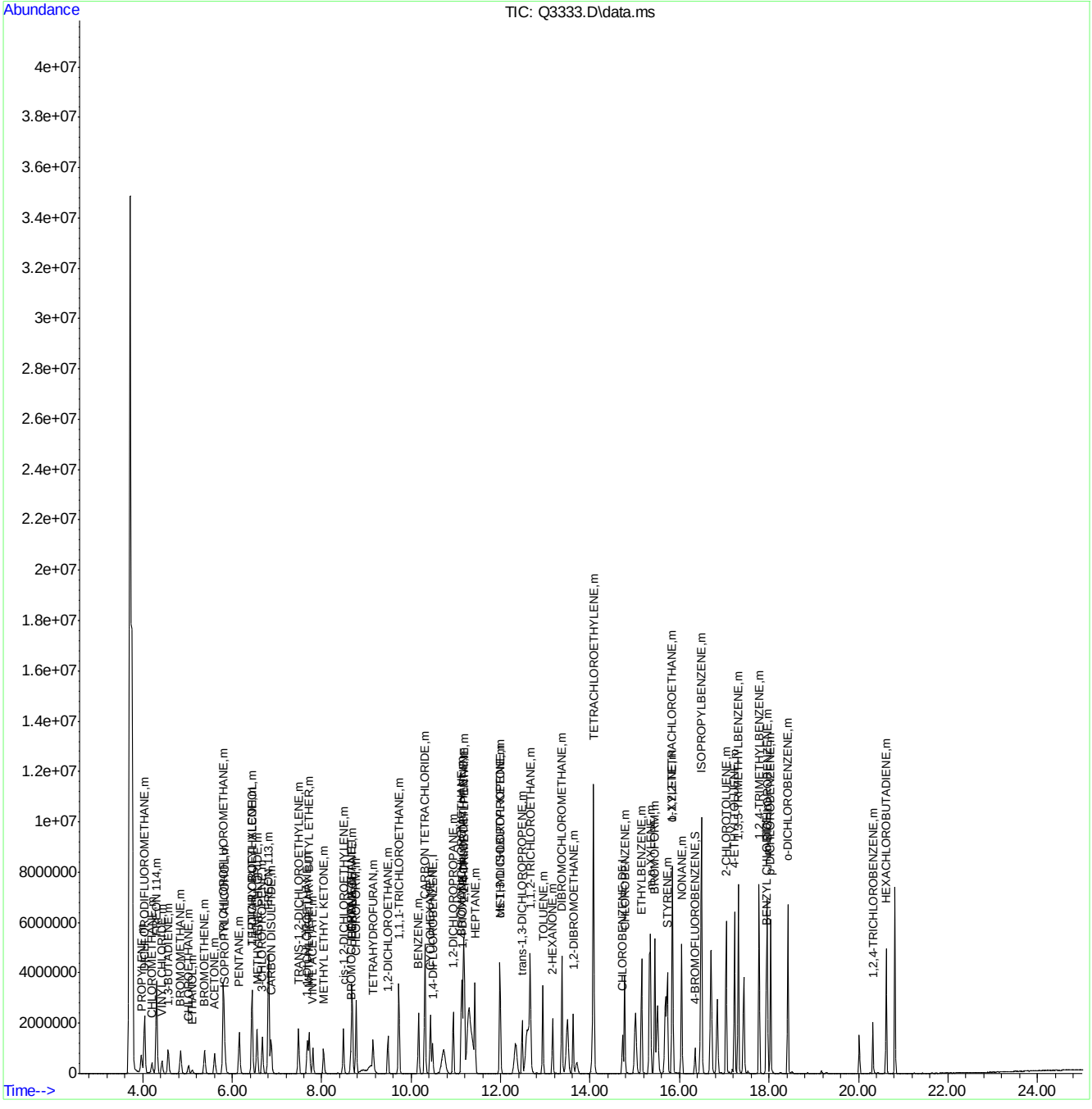
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) METHYL ISOBUTYL KETONE	11.993	43	1716235	56.27	PPBV		90
45) cis-1,3-DICHLOROPROPENE	11.981	75	1098481	58.46	PPBV	#	72
46) TOLUENE	12.943	92	1183957	54.01	PPBV		98
47) trans-1,3-DICHLOROPROPENE	12.479	75	918672	63.77	PPBV		85
48) 1,1,2-TRICHLOROETHANE	12.660	83	2432564	190.31	PPBV	#	58
50) 2-HEXANONE	13.164	43	1509058	59.98	PPBV		89
51) TETRACHLOROETHYLENE	14.077	164	1399793	80.97	PPBV		95
52) DIBROMOCHLOROMETHANE	13.370	129	2049712	61.99	PPBV		98
53) 1,2-DIBROMOETHANE	13.621	107	1327062	54.54	PPBV		97
54) CHLOROBENZENE	14.771	112	1637392	50.16	PPBV		97
55) ETHYLBENZENE	15.152	91	2910996	56.70	PPBV		99
56) m,p-XYLENE	15.347	106	2243323	109.15	PPBV		98
57) o-XYLENE	15.846	106	1160876	57.44	PPBV		98
58) STYRENE	15.725	104	1528125	61.89	PPBV		92
59) NONANE	16.047	43	1895855	57.80	PPBV		92
60) BROMOFORM	15.445	173	2082741	74.36	PPBV		98
62) 1,1,2,2-TETRACHLOROETHANE	15.835	83	1877868	55.72	PPBV		99
63) ISOPROPYLBENZENE	16.490	105	7045665	118.03	PPBV		89
64) 2-CHLOROTOLUENE	17.039	91	2895515	67.06	PPBV		97
65) 4-ETHYLTOLUENE	17.227	105	3367318	68.94	PPBV		98
66) 1,3,5-TRIMETHYLBENZENE	17.312	105	3440904	68.90	PPBV		99
67) 1,2,4-TRIMETHYLBENZENE	17.779	105	3444170	73.57	PPBV		99
68) m-DICHLOROBENZENE	17.962	146	2148310	74.45	PPBV		99
69) BENZYL CHLORIDE	17.937	91	2156829	82.89	PPBV		100
70) p-DICHLOROBENZENE	18.034	146	1933473	74.39	PPBV		99
71) o-DICHLOROBENZENE	18.421	146	2096558	74.16	PPBV		99
72) HEXACHLOROBUTADIENE	20.620	225	644343m	47.68	PPBV		
73) 1,2,4-TRICHLOROBENZENE	20.322	180	426942	58.23	PPBV		97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3333.D
Acq On : 3 May 2007 5:52 pm
Operator : PhilipB
Sample : IC180-40 (M105)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 04 14:41:05 2007
Quant Method : C:\msdchem\1\METHODS\Q042607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 03 16:43:37 2007
Response via : Initial Calibration



Quantitation Report (Qedit)

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Data Path : C:\msdchem\1\DATA\
Data File : Q3333.D
Acq On    :  3 May 2007   5:52 pm
Operator  : PhilipB
Sample    : IC180-40 (M105)
Misc      : MS13469,MSQ180,,,,,1
ALS Vial  : 1   Sample Multiplier: 1

Quant Time: May 04 09:22:57 2007
Quant Method : C:\msdchem\1\METHODS\Q042607T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 03 16:43:37 2007
Response via : Initial Calibration
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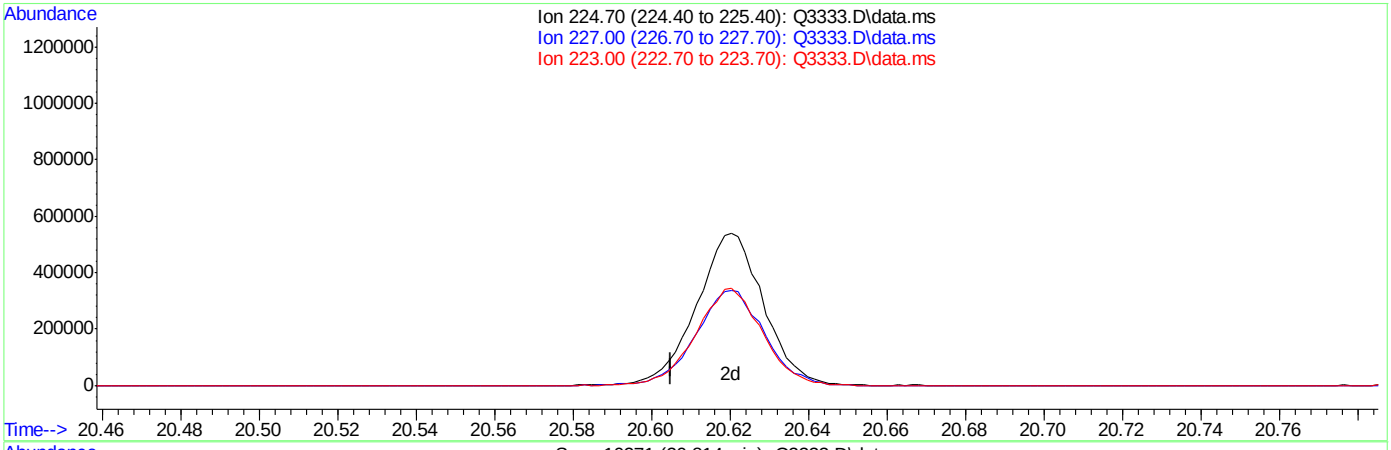

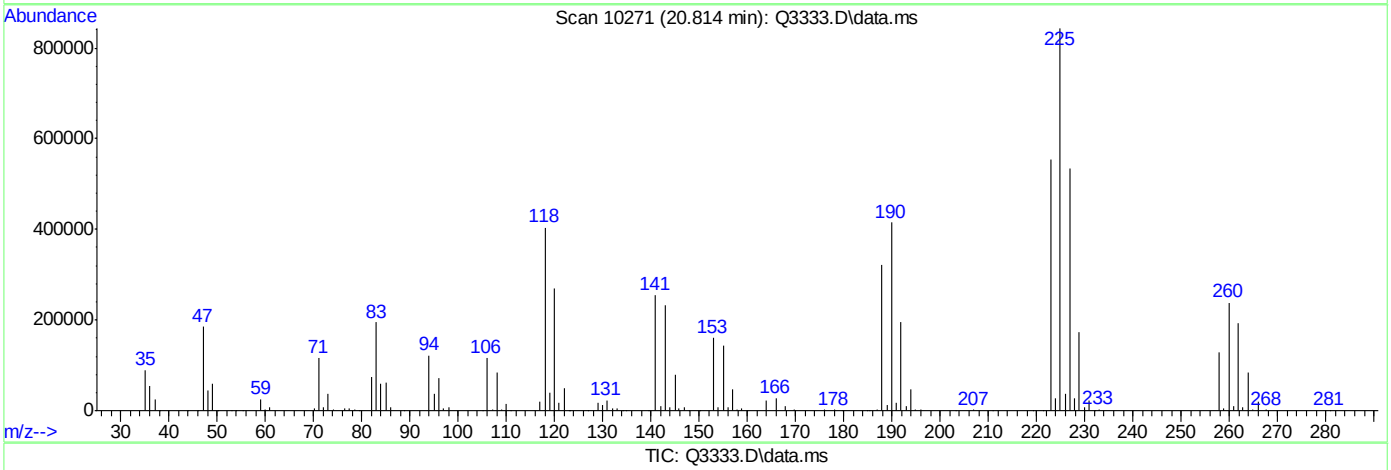

(72) HEXACHLOROBUTADIENE (m)

20.814min (+0.003) 66.65PPBV

response 900765

Ion	Exp%	Act%
224.70	100	100
227.00	64.20	64.88
223.00	62.30	64.16
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3333.D
Acq On    :  3 May 2007   5:52 pm
Operator  : PhilipB
Sample    : IC180-40 (M105)
Misc      : MS13469,MSQ180,,,,,1
ALS Vial  : 1   Sample Multiplier: 1

Quant Time: May 04 09:22:57 2007
Quant Method : C:\msdchem\1\METHODS\Q042607T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 03 16:43:37 2007
Response via : Initial Calibration
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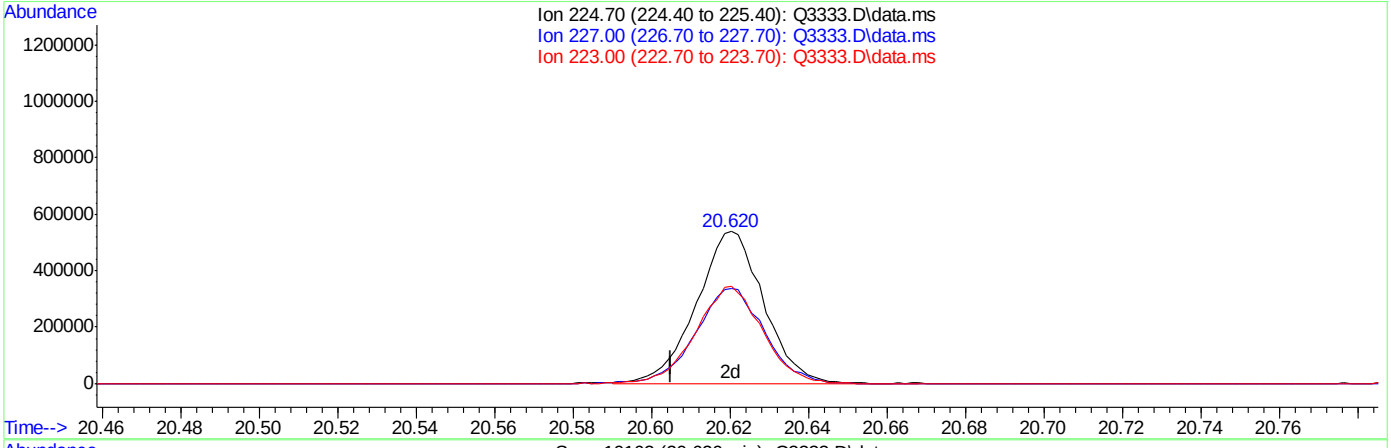
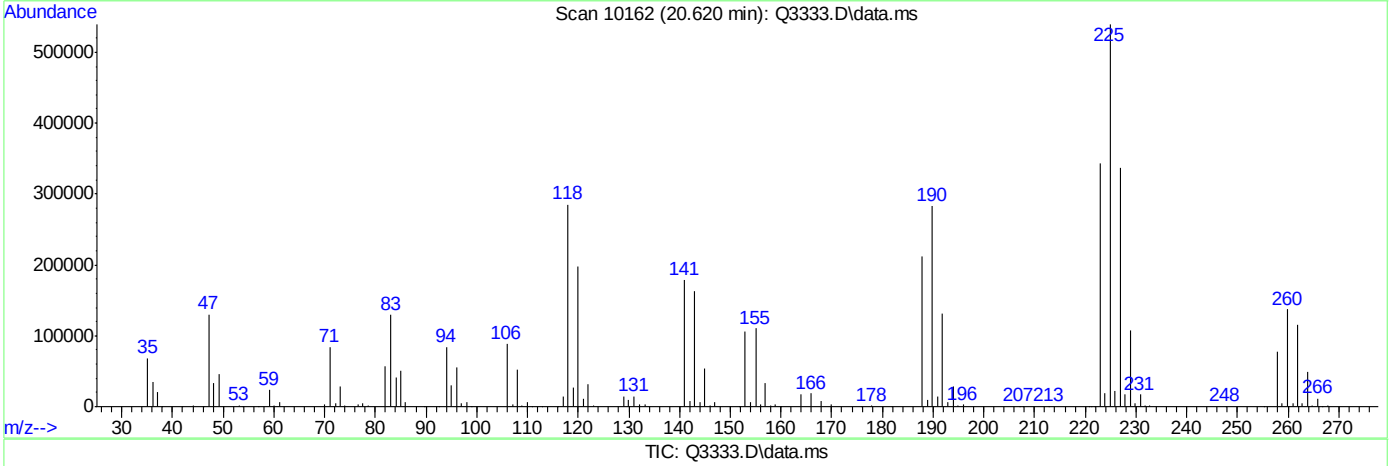




(72) HEXACHLOROBUTADIENE (m)

20.620min (-0.191) 47.47PPBV m

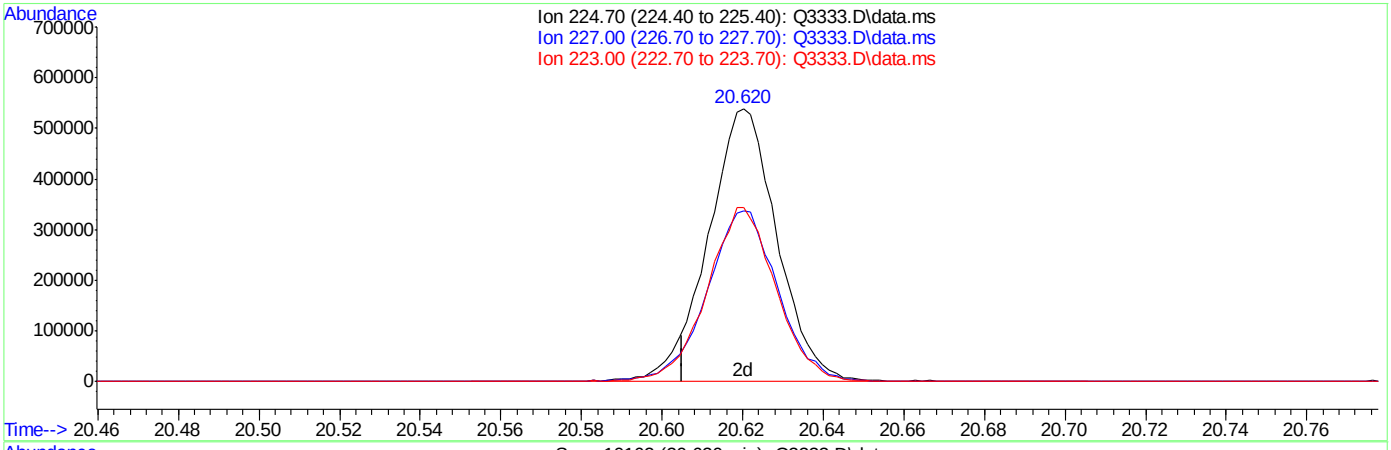
response 641593

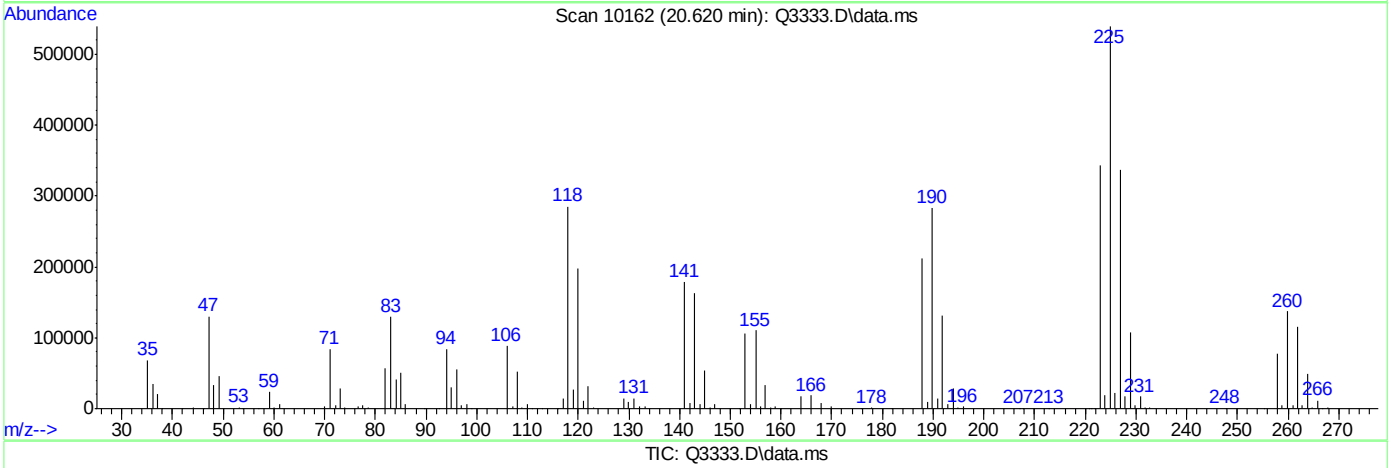
Ion	Exp%	Act%
224.70	100	100
227.00	64.20	91.10#
223.00	62.30	90.08#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3333.D
Acq On : 3 May 2007 5:52 pm
Operator : PhilipB
Sample : IC180-40 (M105)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 04 14:39:50 2007
Quant Method : C:\msdchem\1\METHODS\Q042607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu May 03 16:43:37 2007
Response via : Initial Calibration





(72) HEXACHLOROBUTADIENE (m)

20.620min (-0.191) 47.68PPBV m

response 644343

Ion	Exp%	Act%
224.70	100	100
227.00	64.20	90.71#
223.00	62.30	89.69#
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
05/21/07 17:26

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3334.D
Acq On : 4 May 2007 9:46 am
Operator : PhilipB
Sample : IC180-20 (M105)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 04 10:10:02 2007
Quant Method : C:\msdchem\1\METHODS\Q042607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 09:23:19 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.644	128	162679	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.474	114	808573	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.719	117	666530	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.343	95	272645	5.26	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 105.20%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.049	85	1759841	26.25	PPBV	98
3) PROPYLENE	3.971	41	309989	23.18	PPBV	87
4) FREON 114	4.312	85	1400066	23.87	PPBV	90
5) CHLOROMETHANE	4.209	50	323413	22.33	PPBV	98
6) VINYL CHLORIDE	4.431	62	353407	23.10	PPBV	99
7) 1,3-BUTADIENE	4.573	39	361258	23.06	PPBV #	77
8) BROMOMETHANE	4.850	94	392229	22.76	PPBV	100
9) CHLOROETHANE	5.022	64	134352	22.80	PPBV	85
10) TRICHLOROFLUOROMETHANE	5.804	101	1597283	19.64	PPBV	99
11) ISOPROPYL ALCOHOL	5.835	45	484739	16.07	PPBV	96
12) ACETONE	5.607	43	531629	17.98	PPBV	86
13) PENTANE	6.163	42	285807	16.01	PPBV	88
14) 1,1-DICHLOROETHYLENE	6.441	96	283081	18.45	PPBV #	64
15) CARBON DISULFIDE	6.873	76	797700	16.93	PPBV	80
16) ETHANOL	5.105	45	88279	17.65	PPBV	94
17) BROMOETHENE	5.382	106	353130	21.30	PPBV #	93
18) METHYLENE CHLORIDE	6.552	84	514911	30.72	PPBV	68
19) 3-CHLOROPROPENE	6.674	39	393926	20.36	PPBV #	77
20) FREON 113	6.818	151	690602	21.23	PPBV	97
21) TRANS-1,2-DICHLOROETHY...	7.481	96	258705	19.11	PPBV #	80
22) TERTIARY BUTYL ALCOHOL	6.434	59	561587	16.54	PPBV	88
23) METHYL TERTIARY BUTYL ...	7.719	73	590018	20.11	PPBV	84
24) TETRAHYDROFURAN	9.148	42	254682	20.34	PPBV	88
25) HEXANE	8.679	57	450777	23.99	PPBV #	84
26) VINYL ACETATE	7.797	43	619304	21.70	PPBV	94
27) 1,1-DICHLOROETHANE	7.682	63	506030	20.91	PPBV	99
28) METHYL ETHYL KETONE	8.037	43	518023	19.93	PPBV	91
29) cis-1,2-DICHLOROETHYLENE	8.486	96	251990	20.50	PPBV	95
30) ETHYL ACETATE	8.671	43	935250	21.52	PPBV	98
31) CHLOROFORM	8.765	83	733133	21.32	PPBV	95
32) 1,1,1-TRICHLOROETHANE	9.725	97	801482	22.02	PPBV	97
33) CARBON TETRACHLORIDE	10.305	117	961451	21.18	PPBV	95
34) 1,2-DICHLOROETHANE	9.476	62	467805	22.30	PPBV	99
36) BENZENE	10.161	78	679545	18.54	PPBV	98
37) CYCLOHEXANE	10.428	84	291914	18.49	PPBV	99
38) TRICHLOROETHYLENE	11.159	95	399316	19.23	PPBV	94
39) 1,2-DICHLOROPROPANE	10.935	63	233210	17.33	PPBV	93
40) BROMODICHLOROMETHANE	11.120	83	689027	18.90	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.182	57	1203227	19.15	PPBV	98
42) 1,4-DIOXANE	11.138	88	124727	18.09	PPBV #	78
43) HEPTANE	11.420	43	492817	20.06	PPBV	88

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3334.D
Acq On : 4 May 2007 9:46 am
Operator : PhilipB
Sample : IC180-20 (M105)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 04 10:10:02 2007
Quant Method : C:\msdchem\1\METHODS\Q042607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 09:23:19 2007
Response via : Initial Calibration

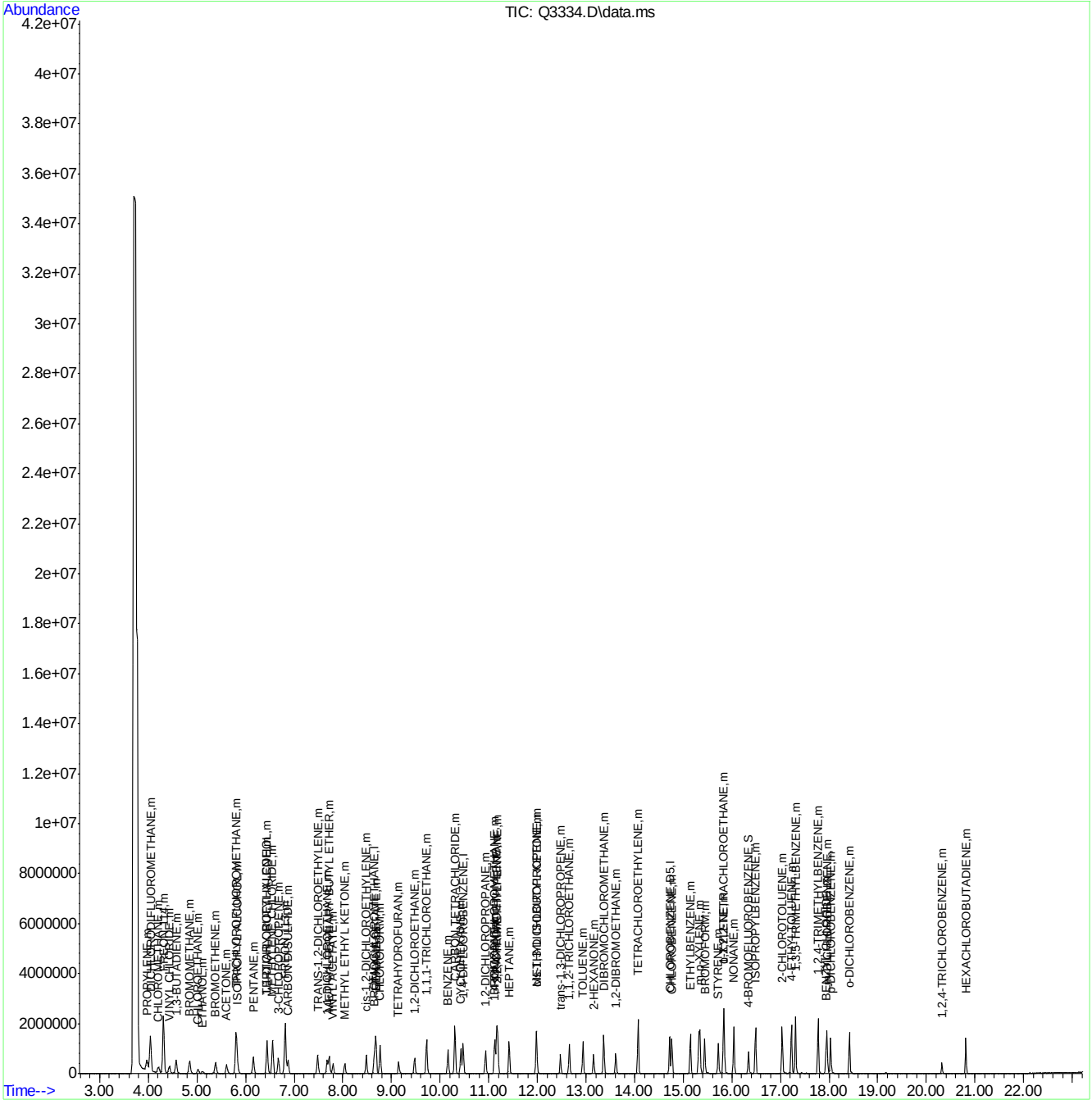
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.986	43	660698	19.96 PPBV	91
45) cis-1,3-DICHLOROPROPENE	11.975	75	399267	19.30 PPBV #	73
46) TOLUENE	12.937	92	452462	18.81 PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.474	75	306928	18.99 PPBV	84
48) 1,1,2-TRICHLOROETHANE	12.659	83	259580	12.73 PPBV	99
50) 2-HEXANONE	13.154	43	519097	19.51 PPBV	91
51) TETRACHLOROETHYLENE	14.071	164	333585	17.43 PPBV #	86
52) DIBROMOCHLOROMETHANE	13.367	129	701064	19.97 PPBV	99
53) 1,2-DIBROMOETHANE	13.615	107	467370	18.14 PPBV	99
54) CHLOROBENZENE	14.765	112	618254	18.13 PPBV	99
55) ETHYLBENZENE	15.145	91	1005168	18.52 PPBV	98
56) m,p-XYLENE	15.344	106	749647m	34.66 PPBV	
57) o-XYLENE	15.841	106	369317	17.15 PPBV	97
58) STYRENE	15.720	104	487120	18.45 PPBV	97
59) NONANE	16.041	43	678049	19.52 PPBV	91
60) BROMOFORM	15.440	173	542122	17.77 PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.830	83	623427	17.61 PPBV	98
63) ISOPROPYLBENZENE	16.488	105	1099457	13.97 PPBV	97
64) 2-CHLOROTOLUENE	17.035	91	915681	19.31 PPBV	96
65) 4-ETHYLTOLUENE	17.225	105	1037856	19.32 PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.310	105	1055972	19.22 PPBV	97
67) 1,2,4-TRIMETHYLBENZENE	17.775	105	978695	18.69 PPBV	99
68) m-DICHLOROBENZENE	17.956	146	512171	15.68 PPBV	96
69) BENZYL CHLORIDE	17.935	91	540576	18.14 PPBV	99
70) p-DICHLOROBENZENE	18.031	146	453413	15.39 PPBV	96
71) o-DICHLOROBENZENE	18.419	146	490239	15.10 PPBV	98
72) HEXACHLOROBUTADIENE	20.814	225	145141	8.81 PPBV	98
73) 1,2,4-TRICHLOROBENZENE	20.322	180	83836	9.75 PPBV	96

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3334.D
Acq On : 4 May 2007 9:46 am
Operator : PhilipB
Sample : IC180-20 (M105)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 1 Sample Multiplier: 1

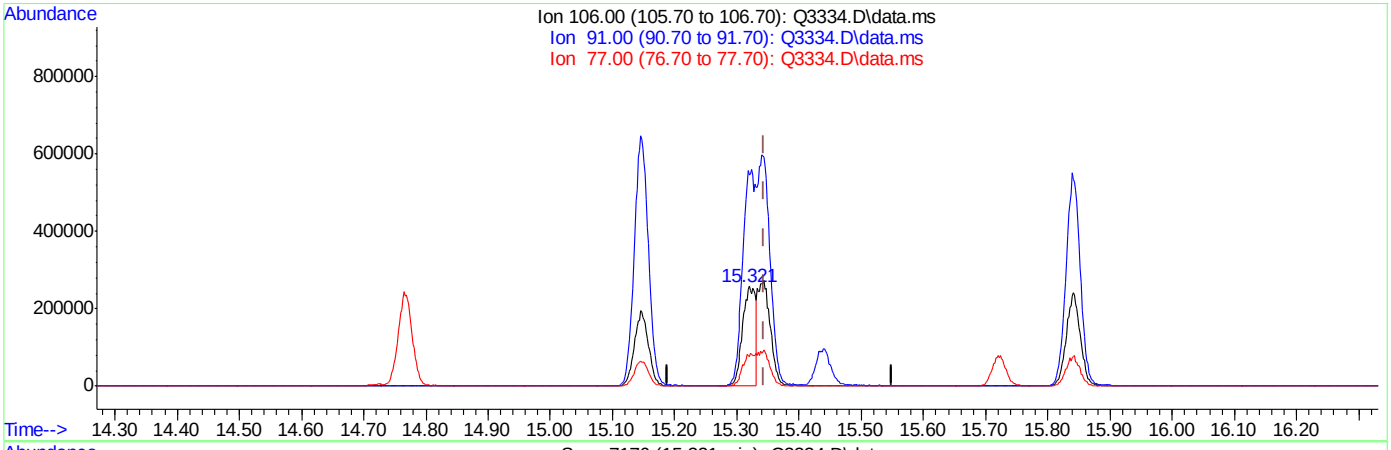
Quant Time: May 04 10:10:02 2007
Quant Method : C:\msdchem\1\METHODS\Q042607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 09:23:19 2007
Response via : Initial Calibration

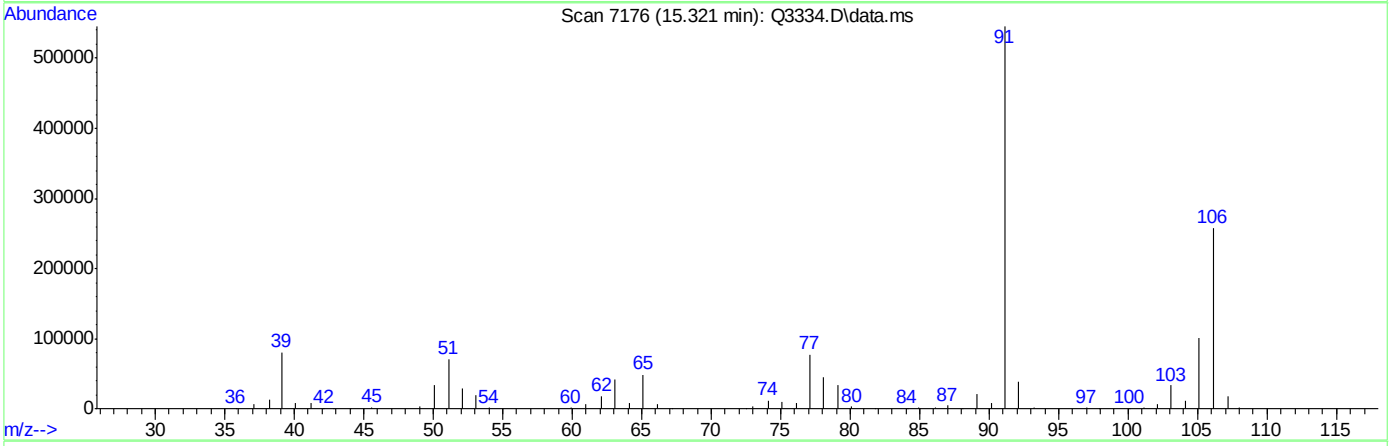


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3334.D
Acq On : 4 May 2007 9:46 am
Operator : PhilipB
Sample : IC180-20 (M105)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 04 10:09:37 2007
Quant Method : C:\msdchem\1\METHODS\Q042607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 09:23:19 2007
Response via : Initial Calibration





TIC: Q3334.D\data.ms

(56) m,p-XYLENE (m)

15.321min (-0.023) 17.14PPBV

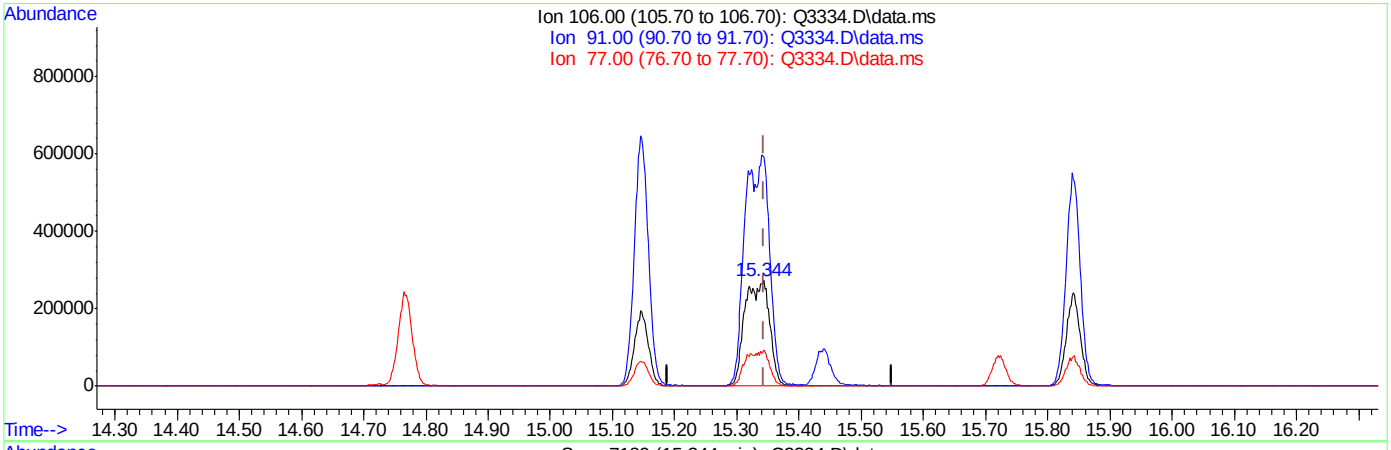
response 370677

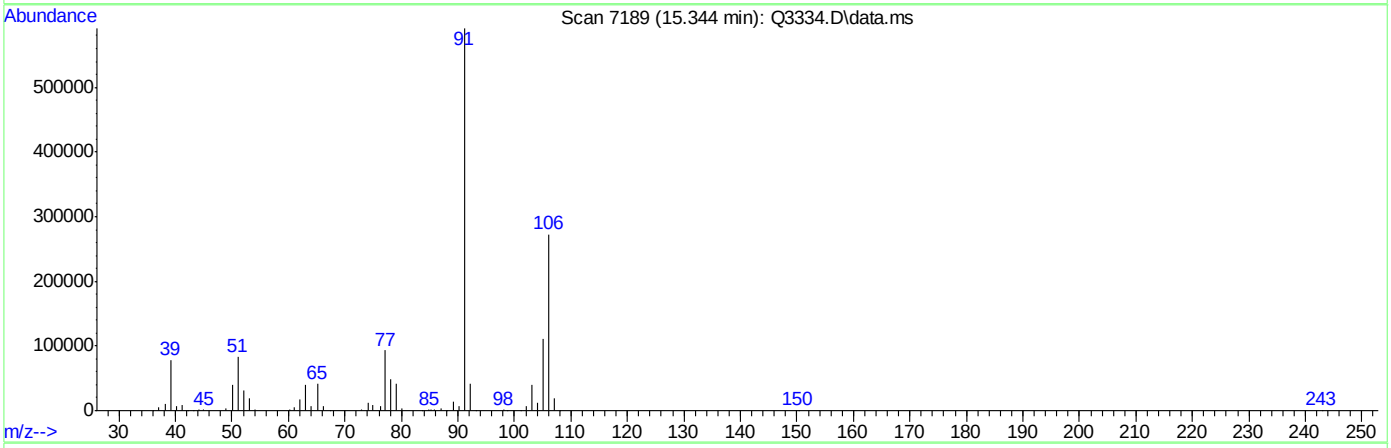
Ion	Exp%	Act%
106.00	100	100
91.00	212.80	211.30
77.00	31.20	29.96
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3334.D
Acq On    :  4 May 2007   9:46 am
Operator  : PhilipB
Sample    : IC180-20 (M105)
Misc      : MS13469,MSQ180,,,,,1
ALS Vial  : 1   Sample Multiplier: 1

Quant Time: May 04 10:09:37 2007
Quant Method : C:\msdchem\1\METHODS\Q042607T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 09:23:19 2007
Response via : Initial Calibration
```



(56) m,p-XYLENE (m)

15.344min (0.000) 34.66PPBV m

response 749647

Ion	Exp%	Act%
106.00	100	100
91.00	212.80	216.78
77.00	31.20	34.28
0.00	0.00	0.00

ACCUTEST Laboratories M64809

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
05/21/07 17:26

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3335.D
Acq On : 4 May 2007 10:27 am
Operator : PhilipB
Sample : ICC180-10 (M105)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 04 10:50:12 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 10:13:47 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.641	128	171906	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.474	114	752712	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.721	117	644263	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.343	95	249280	4.44	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 88.80%

Target Compounds							Qvalue
2) DICHLORODIFLUOROMETHANE	4.039	85	644779	7.97	PPBV		97
3) PROPYLENE	3.969	41	113218	7.84	PPBV		83
4) FREON 114	4.303	85	593340	8.79	PPBV		99
5) CHLOROMETHANE	4.205	50	154295	9.74	PPBV		94
6) VINYL CHLORIDE	4.426	62	162242	9.31	PPBV		97
7) 1,3-BUTADIENE	4.562	39	170608	9.32	PPBV	#	77
8) BROMOMETHANE	4.839	94	174057	8.91	PPBV		99
9) CHLOROETHANE	5.013	64	64045	9.04	PPBV		87
10) TRICHLOROFLUOROMETHANE	5.794	101	786683	8.92	PPBV		98
11) ISOPROPYL ALCOHOL	5.835	45	252489	8.59	PPBV		92
12) ACETONE	5.600	43	269943	8.96	PPBV		84
13) PENTANE	6.152	42	154556	8.98	PPBV		89
14) 1,1-DICHLOROETHYLENE	6.435	96	146433	8.69	PPBV	#	66
15) CARBON DISULFIDE	6.868	76	434967	9.21	PPBV		81
16) ETHANOL	5.098	45	45183	9.34	PPBV		91
17) BROMOETHENE	5.373	106	166751	8.83	PPBV	#	93
18) METHYLENE CHLORIDE	6.550	84	260585	11.35	PPBV		68
19) 3-CHLOROPROPENE	6.671	39	190315	8.14	PPBV	#	79
20) FREON 113	6.806	151	328721	8.08	PPBV		95
21) TRANS-1,2-DICHLOROETHY...	7.475	96	146824	9.84	PPBV	#	82
22) TERTIARY BUTYL ALCOHOL	6.438	59	311659	8.81	PPBV		86
23) METHYL TERTIARY BUTYL ...	7.718	73	336349	9.80	PPBV		83
24) TETRAHYDROFURAN	9.148	42	121403	8.10	PPBV		91
25) HEXANE	8.674	57	228435	9.48	PPBV		89
26) VINYL ACETATE	7.796	43	306766	8.46	PPBV		90
27) 1,1-DICHLOROETHANE	7.673	63	274495	9.36	PPBV		98
28) METHYL ETHYL KETONE	8.037	43	250520	8.29	PPBV		90
29) cis-1,2-DICHLOROETHYLENE	8.479	96	136248	9.15	PPBV		95
30) ETHYL ACETATE	8.671	43	457842	8.40	PPBV		97
31) CHLOROFORM	8.761	83	349357	8.00	PPBV		96
32) 1,1,1-TRICHLOROETHANE	9.721	97	354339	7.32	PPBV		100
33) CARBON TETRACHLORIDE	10.304	117	430196	7.27	PPBV		95
34) 1,2-DICHLOROETHANE	9.473	62	195239	7.07	PPBV		99
36) BENZENE	10.162	78	317896	8.82	PPBV		98
37) CYCLOHEXANE	10.428	84	147025	10.00	PPBV		97
38) TRICHLOROETHYLENE	11.159	95	187700	8.26	PPBV		98
39) 1,2-DICHLOROPROPANE	10.935	63	123376	9.57	PPBV		96
40) BROMODICHLOROMETHANE	11.122	83	312049	7.92	PPBV		99
41) 2,2,4-TRIMETHYLPENTANE	11.180	57	567514	8.65	PPBV		98
42) 1,4-DIOXANE	11.148	88	65510	9.54	PPBV		97
43) HEPTANE	11.418	43	221797	8.20	PPBV		90

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3335.D
Acq On : 4 May 2007 10:27 am
Operator : PhilipB
Sample : ICC180-10 (M105)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 04 10:50:12 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 10:13:47 2007
Response via : Initial Calibration

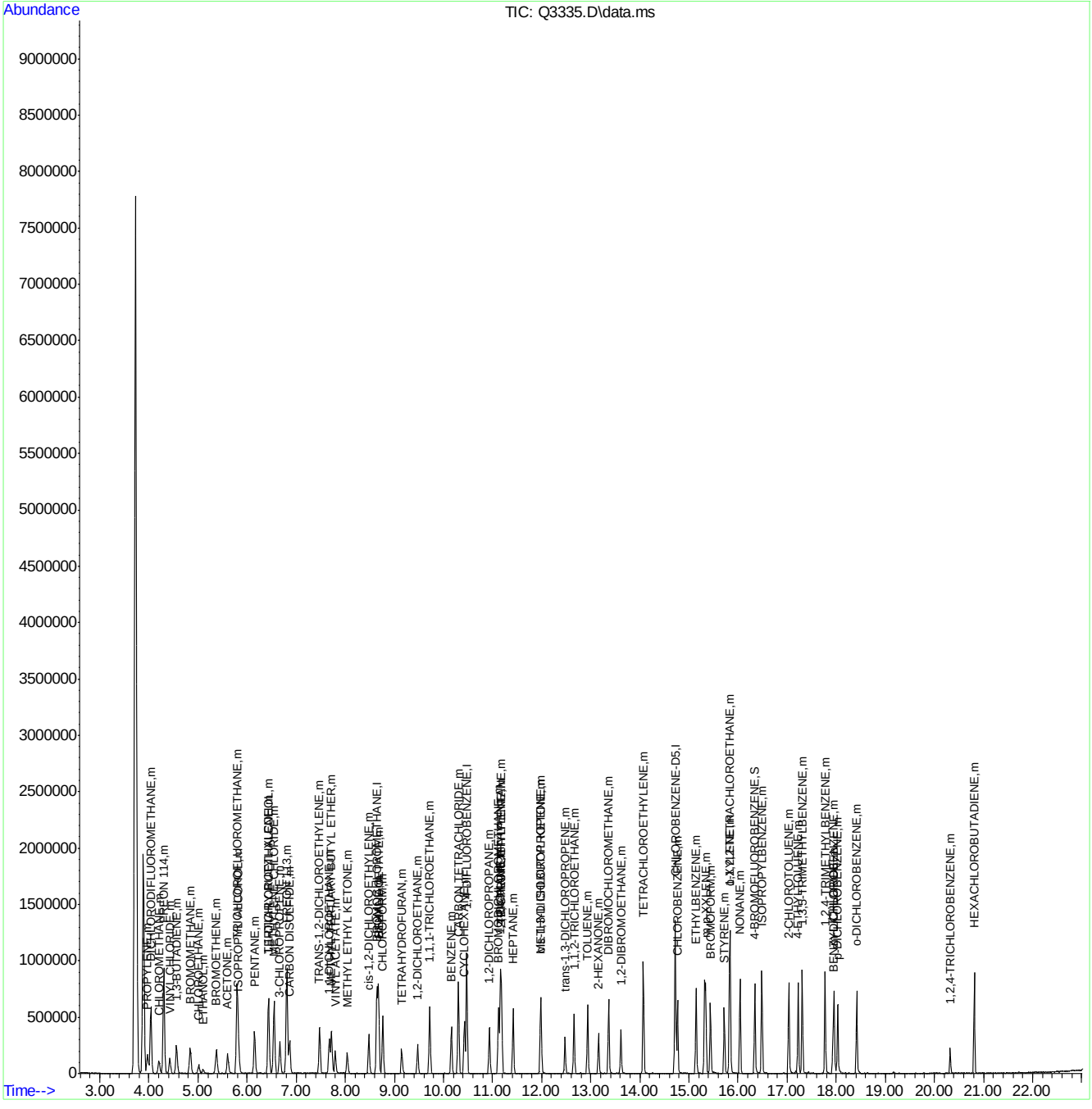
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.991	43	295066	8.17	PPBV	93
45) cis-1,3-DICHLOROPROPENE	11.975	75	183643	8.14	PPBV	85
46) TOLUENE	12.937	92	219445	8.84	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.478	75	140567	7.71	PPBV	90
48) 1,1,2-TRICHLOROETHANE	12.657	83	129348	3.65	PPBV	98
50) 2-HEXANONE	13.157	43	241826	7.89	PPBV	93
51) TETRACHLOROETHYLENE	14.071	164	167922	6.75	PPBV	89
52) DIBROMOCHLOROMETHANE	13.367	129	308942	7.43	PPBV	99
53) 1,2-DIBROMOETHANE	13.619	107	230152	8.45	PPBV	98
54) CHLOROBENZENE	14.769	112	304595	8.80	PPBV	95
55) ETHYLBENZENE	15.145	91	501257	8.46	PPBV	96
56) m,p-XYLENE	15.337	106	386703m	17.16	PPBV	
57) o-XYLENE	15.841	106	197326	8.63	PPBV	90
58) STYRENE	15.720	104	246053	8.17	PPBV	98
59) NONANE	16.040	43	314454	8.03	PPBV	92
60) BROMOFORM	15.440	173	251209	6.59	PPBV	97
62) 1,1,2,2-TETRACHLOROETHANE	15.828	83	328320	8.73	PPBV	99
63) ISOPROPYLBENZENE	16.485	105	542949	4.88	PPBV	98
64) 2-CHLOROTOLUENE	17.035	91	401983	7.06	PPBV	96
65) 4-ETHYLTOLUENE	17.227	105	442269	6.75	PPBV	96
66) 1,3,5-TRIMETHYLBENZENE	17.307	105	451623	6.76	PPBV	98
67) 1,2,4-TRIMETHYLBENZENE	17.774	105	419950	6.46	PPBV	96
68) m-DICHLOROBENZENE	17.956	146	234519	6.14	PPBV	97
69) BENZYL CHLORIDE	17.937	91	222767	5.72	PPBV	99
70) p-DICHLOROBENZENE	18.029	146	193220	5.65	PPBV	98
71) o-DICHLOROBENZENE	18.421	146	230849	6.23	PPBV	99
72) HEXACHLOROBUTADIENE	20.812	225	97983	6.84	PPBV	100
73) 1,2,4-TRICHLOROBENZENE	20.322	180	46924	6.56	PPBV	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3335.D
Acq On : 4 May 2007 10:27 am
Operator : PhilipB
Sample : ICC180-10 (M105)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 1 Sample Multiplier: 1

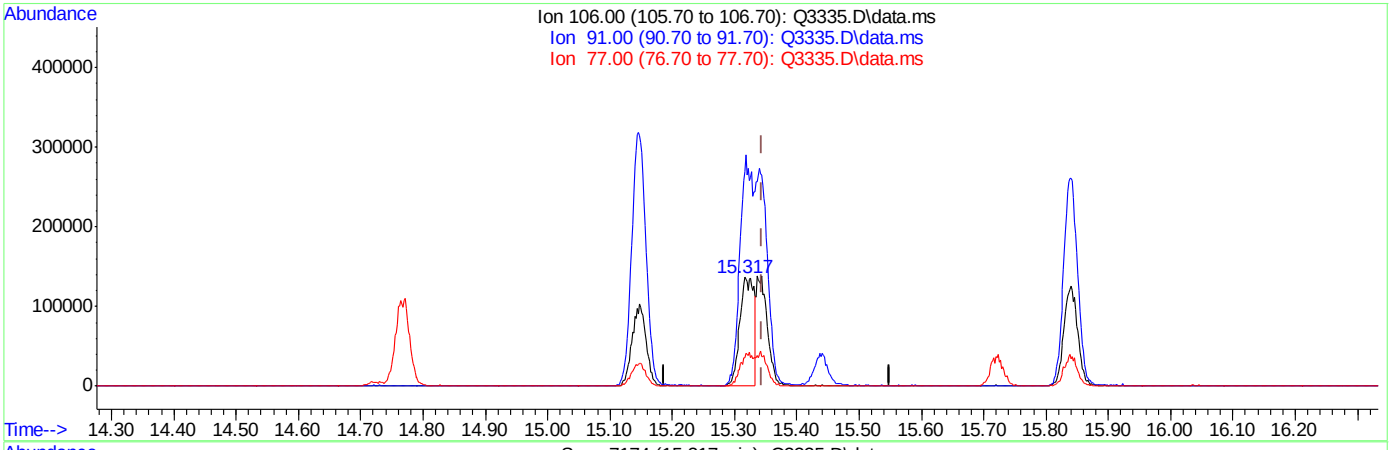
Quant Time: May 04 10:50:12 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 10:13:47 2007
Response via : Initial Calibration

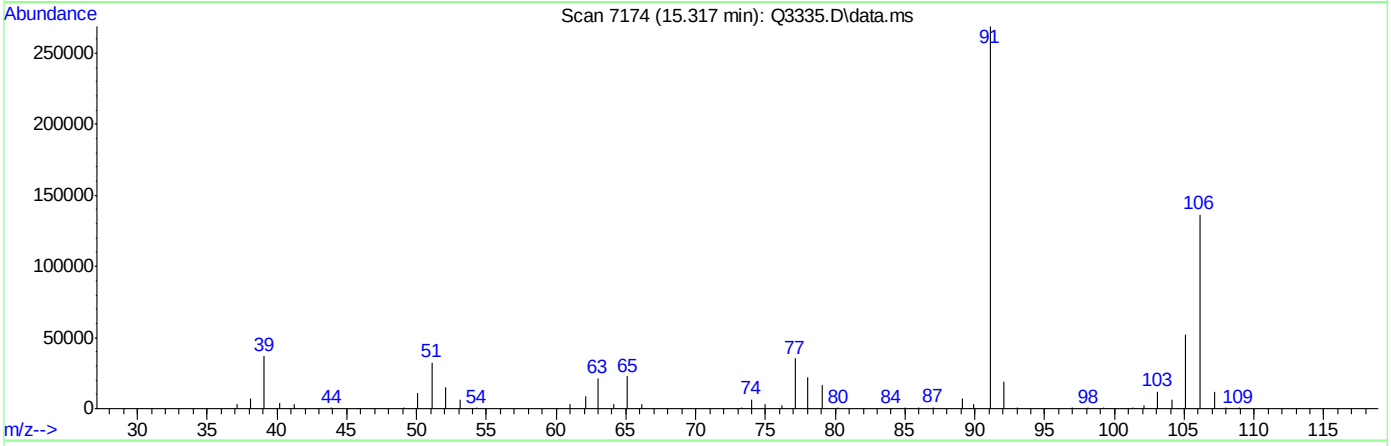


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3335.D
Acq On : 4 May 2007 10:27 am
Operator : PhilipB
Sample : ICC180-10 (M105)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 04 10:49:51 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 10:13:47 2007
Response via : Initial Calibration





(56) m,p-XYLENE (m)

15.317min (-0.026) 9.64PPBV

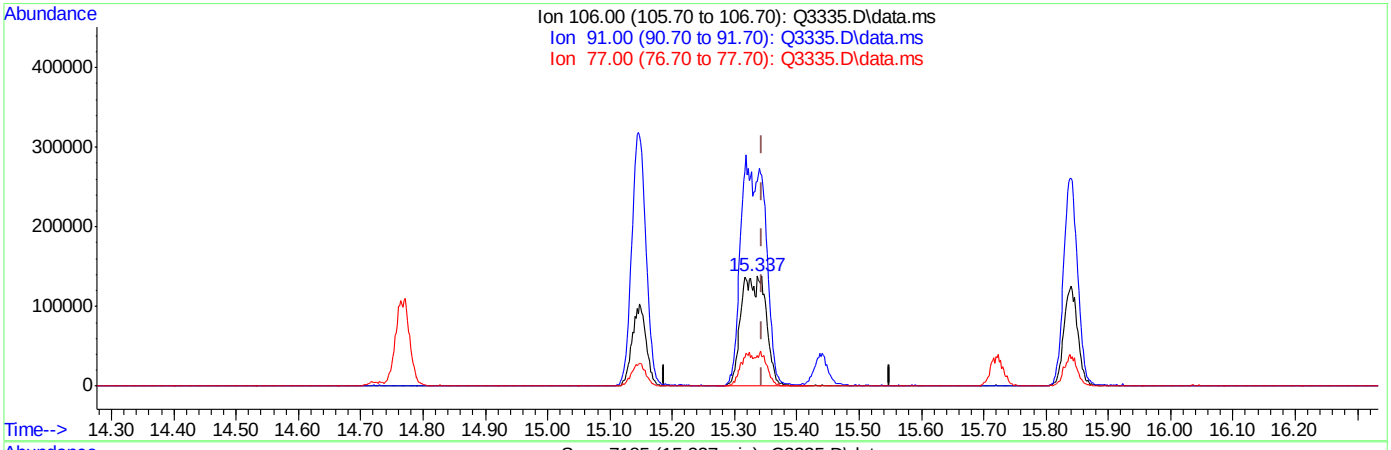
response 217113

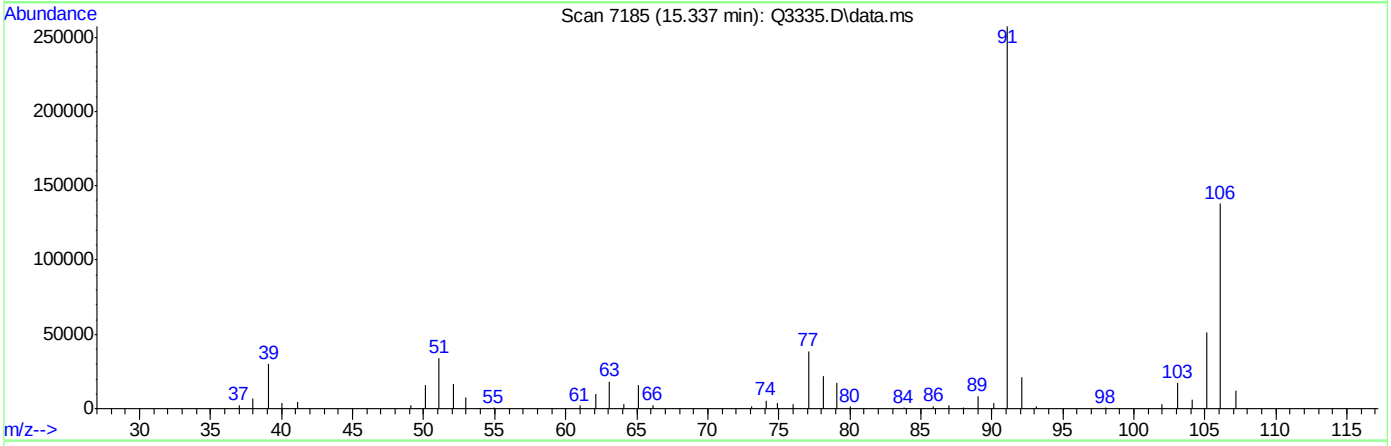
Ion	Exp%	Act%
106.00	100	100
91.00	212.80	197.00
77.00	31.20	25.80
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3335.D
Acq On : 4 May 2007 10:27 am
Operator : PhilipB
Sample : ICC180-10 (M105)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 04 10:49:51 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 10:13:47 2007
Response via : Initial Calibration





TIC: Q3335.D\data.ms

(56) m,p-XYLENE (m)

15.337min (-0.007) 17.16PPBV m

response 386703

Ion	Exp%	Act%
106.00	100	100
91.00	212.80	186.46
77.00	31.20	28.07
0.00	0.00	0.00

ACCUTEST Laboratories M64809

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
05/21/07 17:26

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3336.D
Acq On : 4 May 2007 11:06 am
Operator : PhilipB
Sample : IC180-5 (M105)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 04 11:33:02 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 10:50:34 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.644	128	169088	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.472	114	758871	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.723	117	600276	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.339	95	239329	4.75	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 95.00%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.035	85	342828	4.62	PPBV	97
3) PROPYLENE	3.969	41	73818	5.60	PPBV	90
4) FREON 114	4.299	85	282840	4.44	PPBV	99
5) CHLOROMETHANE	4.202	50	75020	4.86	PPBV	96
6) VINYL CHLORIDE	4.424	62	74629	4.46	PPBV #	69
7) 1,3-BUTADIENE	4.566	39	71174	4.04	PPBV #	78
8) BROMOMETHANE	4.839	94	80774	4.36	PPBV	99
9) CHLOROETHANE	5.024	64	25417m	3.77	PPBV	
10) TRICHLOROFLUOROMETHANE	5.797	101	349504	4.18	PPBV	97
11) ISOPROPYL ALCOHOL	5.831	45	113089	4.10	PPBV	91
12) ACETONE	5.606	43	119460	4.18	PPBV	86
13) PENTANE	6.156	42	71620	4.38	PPBV	91
14) 1,1-DICHLOROETHYLENE	6.436	96	62428	3.94	PPBV #	59
15) CARBON DISULFIDE	6.869	76	217366	4.81	PPBV	97
16) ETHANOL	5.116	45	20607	4.43	PPBV #	50
17) BROMOETHENE	5.375	106	76906	4.31	PPBV #	57
18) METHYLENE CHLORIDE	6.550	84	109459	4.64	PPBV	62
19) 3-CHLOROPROPENE	6.670	39	79887	3.70	PPBV #	81
20) FREON 113	6.814	151	138050	3.69	PPBV	91
21) TRANS-1,2-DICHLOROETHY...	7.482	96	62524	4.28	PPBV #	77
22) TERTIARY BUTYL ALCOHOL	6.438	59	128452	3.84	PPBV	82
23) METHYL TERTIARY BUTYL ...	7.716	73	147061	4.39	PPBV	81
24) TETRAHYDROFURAN	9.153	42	58818	4.26	PPBV	91
25) HEXANE	8.683	57	111907	4.80	PPBV	97
26) VINYL ACETATE	7.796	43	132892	3.93	PPBV	88
27) 1,1-DICHLOROETHANE	7.673	63	114486	4.05	PPBV	99
28) METHYL ETHYL KETONE	8.042	43	113098	4.03	PPBV	90
29) cis-1,2-DICHLOROETHYLENE	8.481	96	58860	4.14	PPBV	92
30) ETHYL ACETATE	8.678	43	209023	4.12	PPBV	98
31) CHLOROFORM	8.761	83	158921	3.97	PPBV	96
32) 1,1,1-TRICHLOROETHANE	9.718	97	154971	3.58	PPBV	97
33) CARBON TETRACHLORIDE	10.303	117	186239	3.52	PPBV	93
34) 1,2-DICHLOROETHANE	9.473	62	90262	3.68	PPBV	98
36) BENZENE	10.165	78	143446	4.11	PPBV	100
37) CYCLOHEXANE	10.428	84	71670	4.84	PPBV	95
38) TRICHLOROETHYLENE	11.161	95	85532	3.96	PPBV	98
39) 1,2-DICHLOROPROPANE	10.939	63	57987	4.53	PPBV	96
40) BROMODICHLOROMETHANE	11.118	83	140616	3.80	PPBV	98
41) 2,2,4-TRIMETHYLPENTANE	11.178	57	251105	3.97	PPBV #	90
42) 1,4-DIOXANE	11.145	88	30863	4.53	PPBV	88
43) HEPTANE	11.418	43	97983	3.82	PPBV	93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3336.D
Acq On : 4 May 2007 11:06 am
Operator : PhilipB
Sample : IC180-5 (M105)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 04 11:33:02 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 10:50:34 2007
Response via : Initial Calibration

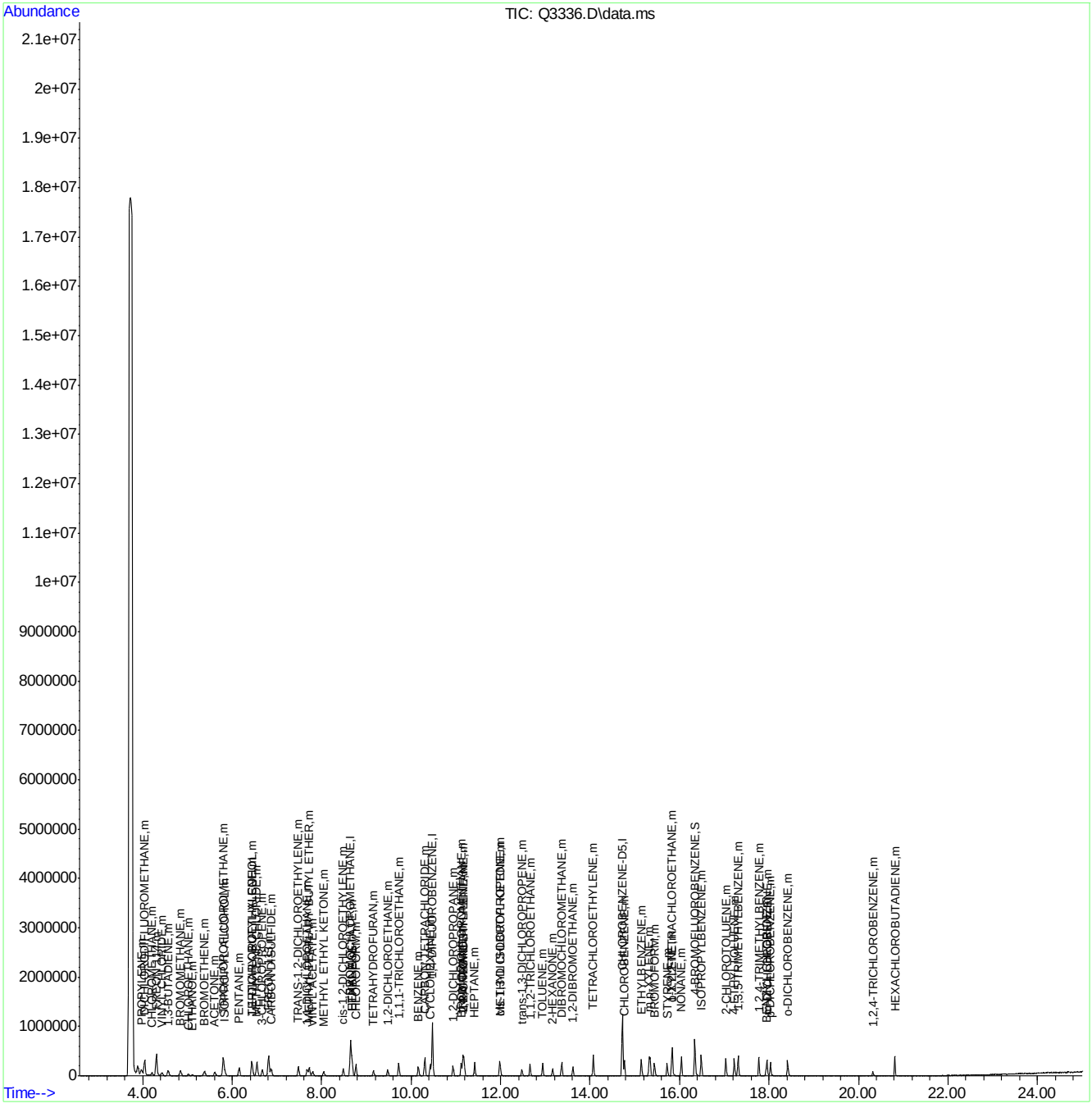
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.988	43	130757	3.82	PPBV	94
45) cis-1,3-DICHLOROPROPENE	11.972	75	81643	3.83	PPBV	85
46) TOLUENE	12.941	92	95062	3.95	PPBV	100
47) trans-1,3-DICHLOROPROPENE	12.476	75	57476	3.38	PPBV	90
48) 1,1,2-TRICHLOROETHANE	12.660	83	57043	2.03	PPBV	98
50) 2-HEXANONE	13.157	43	99685	3.75	PPBV	91
51) TETRACHLOROETHYLENE	14.073	164	68415	3.31	PPBV	90
52) DIBROMOCHLOROMETHANE	13.367	129	130367	3.68	PPBV	99
53) 1,2-DIBROMOETHANE	13.615	107	100200	4.16	PPBV	96
54) CHLOROBENZENE	14.765	112	139187	4.50	PPBV	93
55) ETHYLBENZENE	15.147	91	217959	4.16	PPBV	95
56) m,p-XYLENE	15.323	106	179882	8.99	PPBV	80
57) o-XYLENE	15.839	106	91304	4.49	PPBV	90
58) STYRENE	15.724	104	106023	4.02	PPBV	98
59) NONANE	16.041	43	142386	4.18	PPBV	93
60) BROMOFORM	15.438	173	101320	3.22	PPBV	98
62) 1,1,2,2-TETRACHLOROETHANE	15.827	83	152256	4.54	PPBV	99
63) ISOPROPYLBENZENE	16.485	105	248411	2.89	PPBV	98
64) 2-CHLOROTOLUENE	17.033	91	172979	3.62	PPBV	97
65) 4-ETHYLTOLUENE	17.223	105	183848	3.38	PPBV	94
66) 1,3,5-TRIMETHYLBENZENE	17.308	105	194473	3.50	PPBV	96
67) 1,2,4-TRIMETHYLBENZENE	17.772	105	177991	3.33	PPBV	95
68) m-DICHLOROBENZENE	17.956	146	104397	3.37	PPBV	97
69) BENZYL CHLORIDE	17.931	91	81386	2.61	PPBV	97
70) p-DICHLOROBENZENE	18.034	146	100302m	3.68	PPBV	
71) o-DICHLOROBENZENE	18.416	146	106020	3.51	PPBV	96
72) HEXACHLOROBUTADIENE	20.812	225	39801	3.33	PPBV	94
73) 1,2,4-TRICHLOROBENZENE	20.320	180	19229	3.26	PPBV	91

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3336.D
Acq On : 4 May 2007 11:06 am
Operator : PhilipB
Sample : IC180-5 (M105)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 1 Sample Multiplier: 1

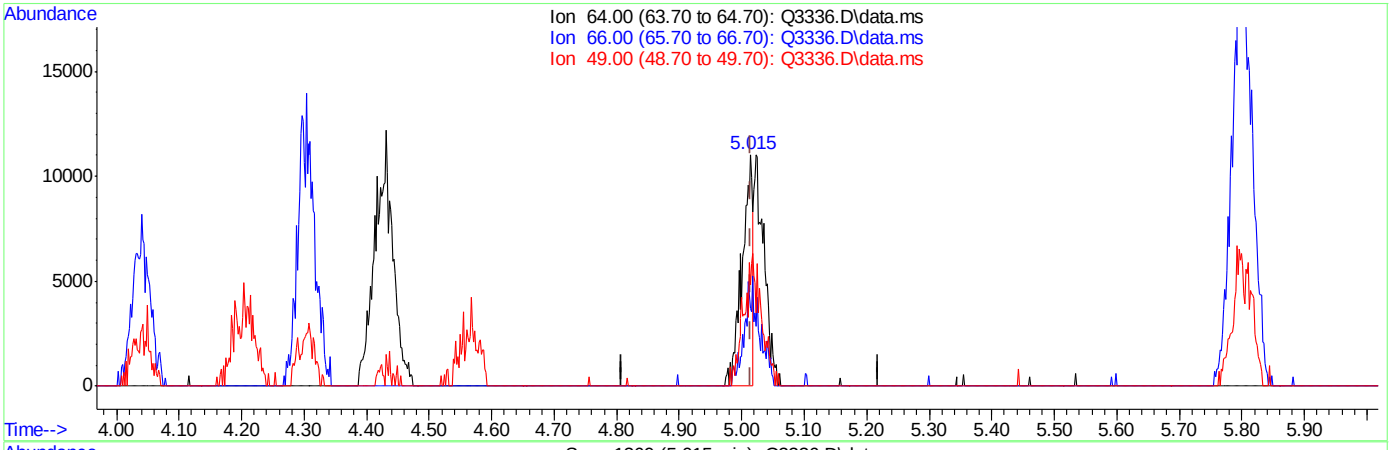
Quant Time: May 04 11:33:02 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 10:50:34 2007
Response via : Initial Calibration

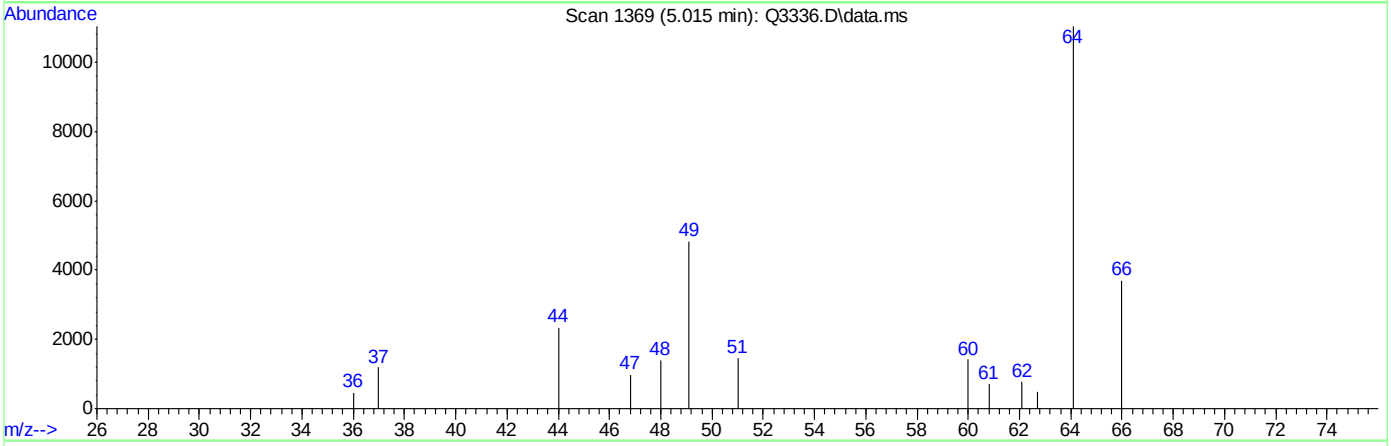


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3336.D
Acq On : 4 May 2007 11:06 am
Operator : PhilipB
Sample : IC180-5 (M105)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 04 11:32:15 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 10:50:34 2007
Response via : Initial Calibration





(9) CHLOROETHANE (m)

5.015min (+0.001) 1.92PPBV

response 12928

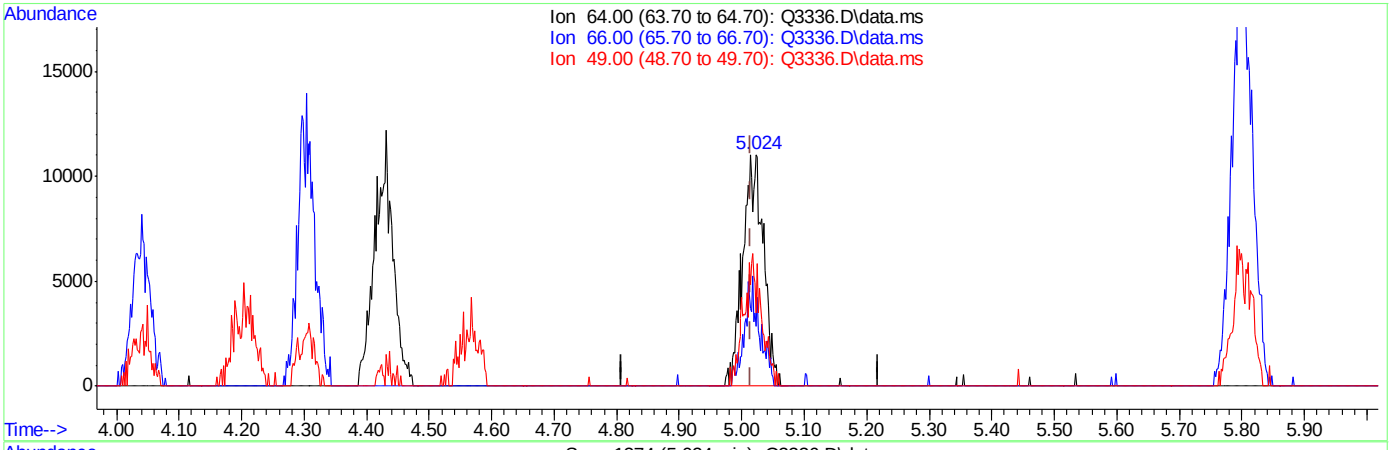
Ion	Exp%	Act%
64.00	100	100
66.00	33.60	67.60#
49.00	30.70	63.00#
0.00	0.00	0.00

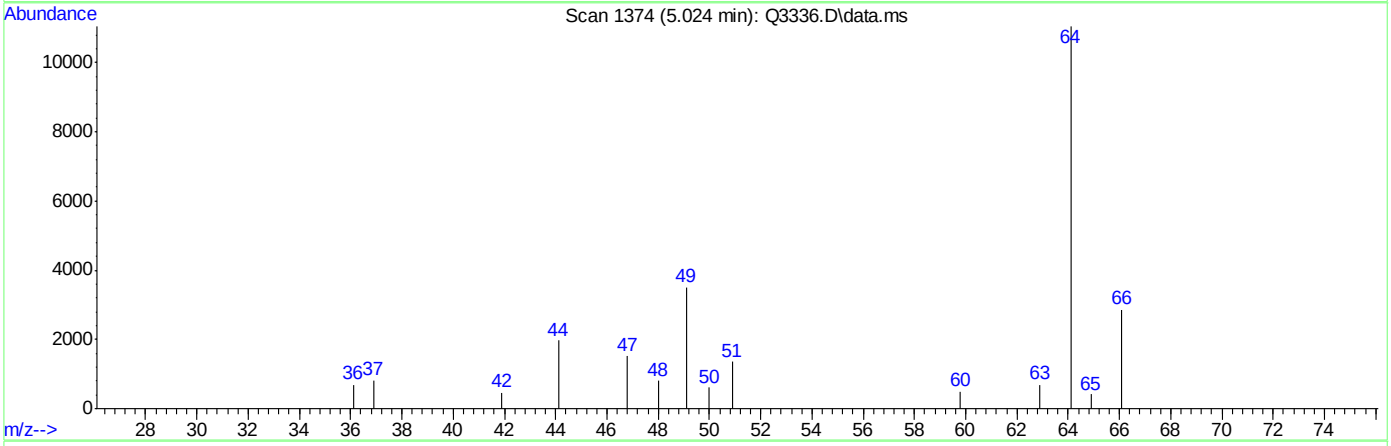
ACCUTEST Laboratories M64809

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3336.D
Acq On : 4 May 2007 11:06 am
Operator : PhilipB
Sample : IC180-5 (M105)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 04 11:32:15 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 10:50:34 2007
Response via : Initial Calibration





TIC: Q3336.D\data.ms

(9) CHLOROETHANE (m)

5.024min (+0.010) 3.77PPBV m

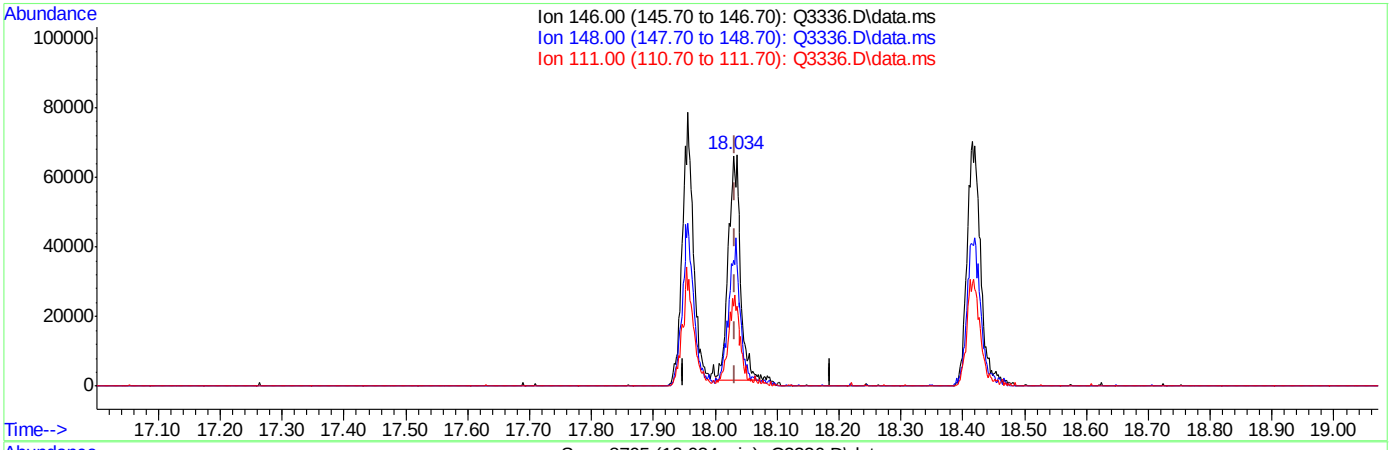
response 25417

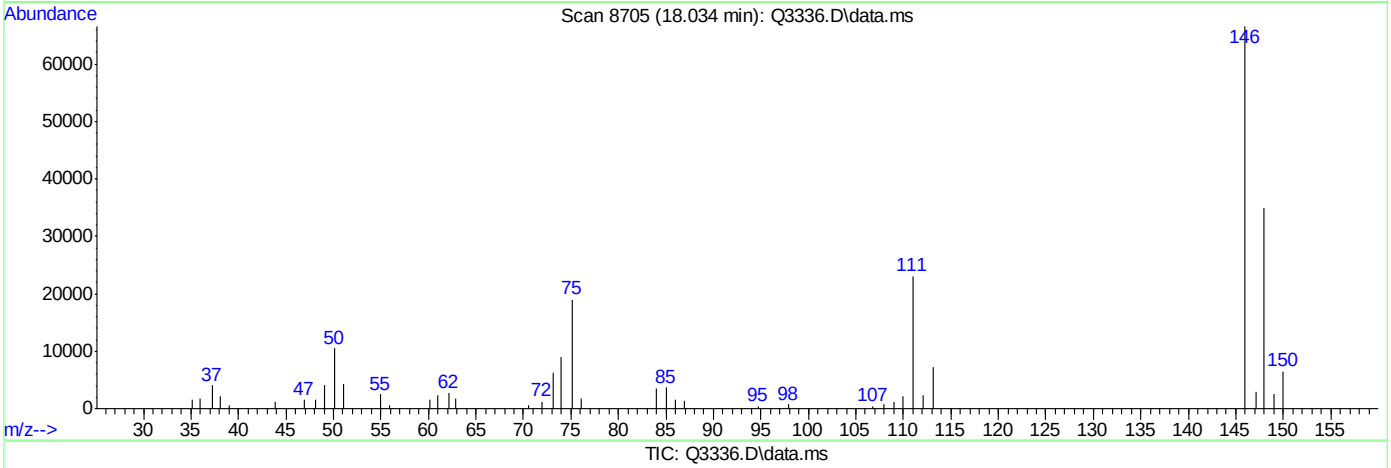
Ion	Exp%	Act%
64.00	100	100
66.00	33.60	34.38
49.00	30.70	32.04
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3336.D
Acq On : 4 May 2007 11:06 am
Operator : PhilipB
Sample : IC180-5 (M105)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 04 11:32:15 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 10:50:34 2007
Response via : Initial Calibration





TIC: Q3336.D\data.ms

(70) p-DICHLOROBENZENE (m)

18.034min (+0.002) 3.31PPBV

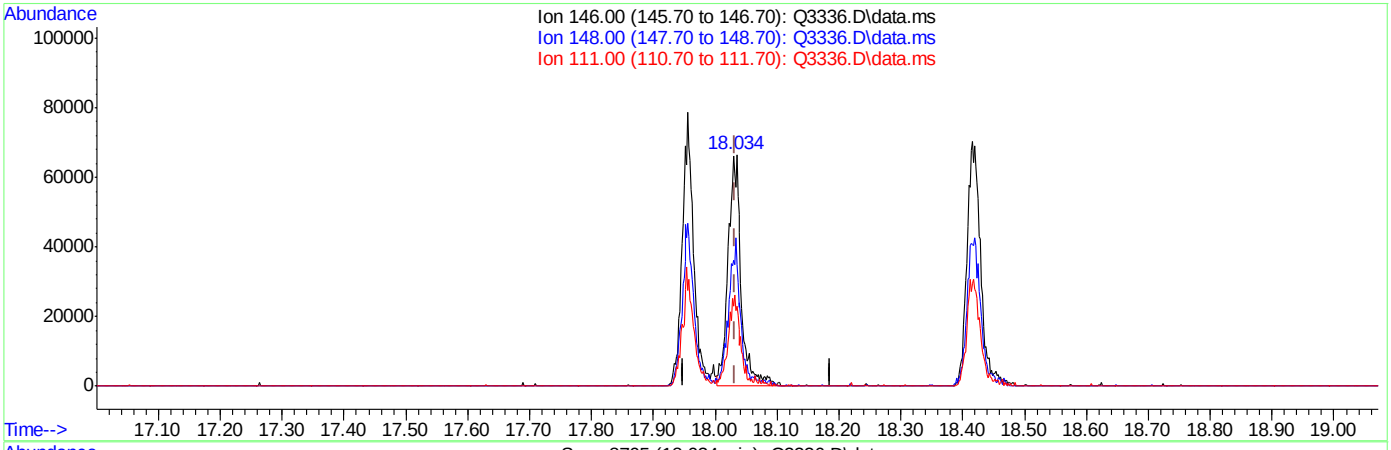
response 90240

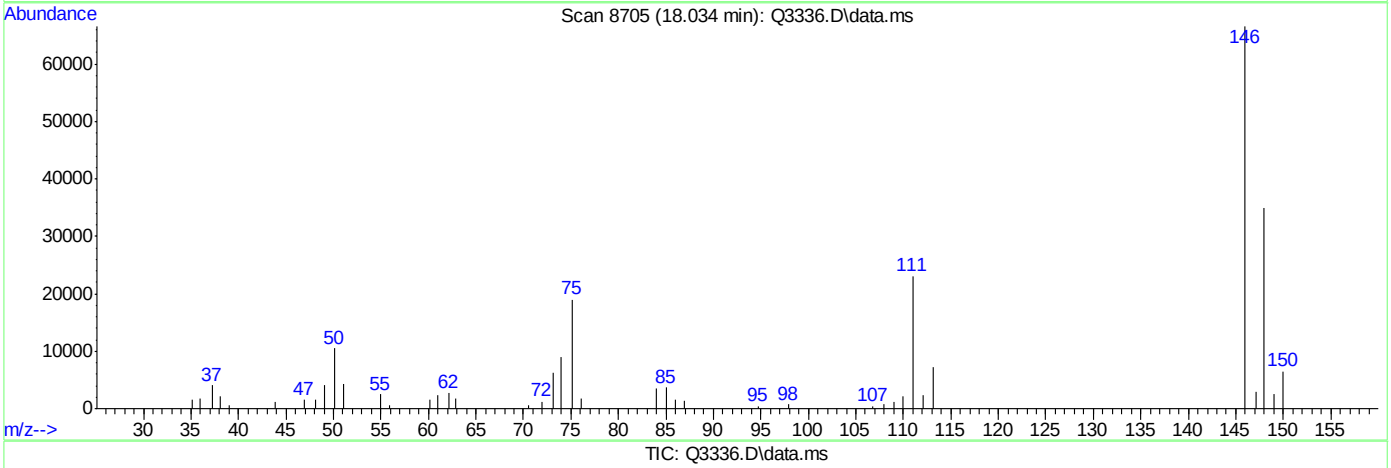
Ion	Exp%	Act%
146.00	100	100
148.00	64.00	54.67
111.00	39.20	37.15
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3336.D
Acq On : 4 May 2007 11:06 am
Operator : PhilipB
Sample : IC180-5 (M105)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 04 11:32:15 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 10:50:34 2007
Response via : Initial Calibration





TIC: Q3336.D\data.ms

(70) p-DICHLOROBENZENE (m)

18.034min (+0.002) 3.68PPBV m

response 100302

Ion	Exp%	Act%
146.00	100	100
148.00	64.00	49.18
111.00	39.20	33.42
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 05/21/07 17:26

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3337.D
Acq On : 4 May 2007 12:03 pm
Operator : PhilipB
Sample : IC180-2 (M105)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 04 12:28:15 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 11:33:12 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.641	128	224559	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.470	114	1068771	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.719	117	858732	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.339	95	322638	4.53	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 90.60%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.042	85	141527	1.46	PPBV	97
3) PROPYLENE	3.966	41	30195	1.67	PPBV	96
4) FREON 114	4.303	85	126039	1.53	PPBV	99
5) CHLOROMETHANE	4.204	50	34116	1.68	PPBV	93
6) VINYL CHLORIDE	4.427	62	35345m	1.63	PPBV	
7) 1,3-BUTADIENE	4.564	39	35069	1.58	PPBV #	65
8) BROMOMETHANE	4.844	94	37733	1.59	PPBV	97
9) CHLOROETHANE	5.016	64	14126	1.68	PPBV	76
10) TRICHLOROFLUOROMETHANE	5.799	101	152966	1.44	PPBV	96
11) ISOPROPYL ALCOHOL	5.836	45	61161	1.75	PPBV	84
12) ACETONE	5.606	43	74285	2.04	PPBV	65
13) PENTANE	6.145	42	37222	1.77	PPBV	97
14) 1,1-DICHLOROETHYLENE	6.438	96	33219	1.67	PPBV #	86
15) CARBON DISULFIDE	6.866	76	99940	1.68	PPBV	84
16) ETHANOL	5.102	45	12222	2.04	PPBV #	61
17) BROMOETHENE	5.375	106	37250	1.63	PPBV #	90
18) METHYLENE CHLORIDE	6.553	84	67760m	2.20	PPBV	
19) 3-CHLOROPROPENE	6.667	39	34373	1.28	PPBV	91
20) FREON 113	6.814	151	63027	1.36	PPBV #	81
21) TRANS-1,2-DICHLOROETHY...	7.482	96	31690	1.70	PPBV	89
22) TERTIARY BUTYL ALCOHOL	6.445	59	55868	1.34	PPBV	81
23) METHYL TERTIARY BUTYL ...	7.716	73	73438	1.70	PPBV	85
24) TETRAHYDROFURAN	9.152	42	30610	1.73	PPBV	89
25) HEXANE	8.681	57	55752	1.82	PPBV	87
26) VINYL ACETATE	7.796	43	71086	1.67	PPBV	89
27) 1,1-DICHLOROETHANE	7.673	63	62103	1.74	PPBV	97
28) METHYL ETHYL KETONE	8.037	43	62348	1.76	PPBV	99
29) cis-1,2-DICHLOROETHYLENE	8.481	96	30251	1.67	PPBV	94
30) ETHYL ACETATE	8.671	43	114080	1.77	PPBV	97
31) CHLOROFORM	8.756	83	85812	1.70	PPBV	96
32) 1,1,1-TRICHLOROETHANE	9.716	97	92470	1.73	PPBV	96
33) CARBON TETRACHLORIDE	10.303	117	106832	1.64	PPBV	94
34) 1,2-DICHLOROETHANE	9.471	62	58157	1.91	PPBV	98
36) BENZENE	10.163	78	85248	1.82	PPBV	98
37) CYCLOHEXANE	10.426	84	35425	1.71	PPBV	85
38) TRICHLOROETHYLENE	11.157	95	48027	1.67	PPBV	97
39) 1,2-DICHLOROPROPANE	10.934	63	31585	1.79	PPBV	95
40) BROMODICHLOROMETHANE	11.118	83	81324	1.66	PPBV	94
41) 2,2,4-TRIMETHYLPENTANE	11.182	57	136700	1.62	PPBV	96
42) 1,4-DIOXANE	11.148	88	15655	1.67	PPBV	80
43) HEPTANE	11.422	43	52027	1.53	PPBV	90

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3337.D
Acq On : 4 May 2007 12:03 pm
Operator : PhilipB
Sample : IC180-2 (M105)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 04 12:28:15 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 11:33:12 2007
Response via : Initial Calibration

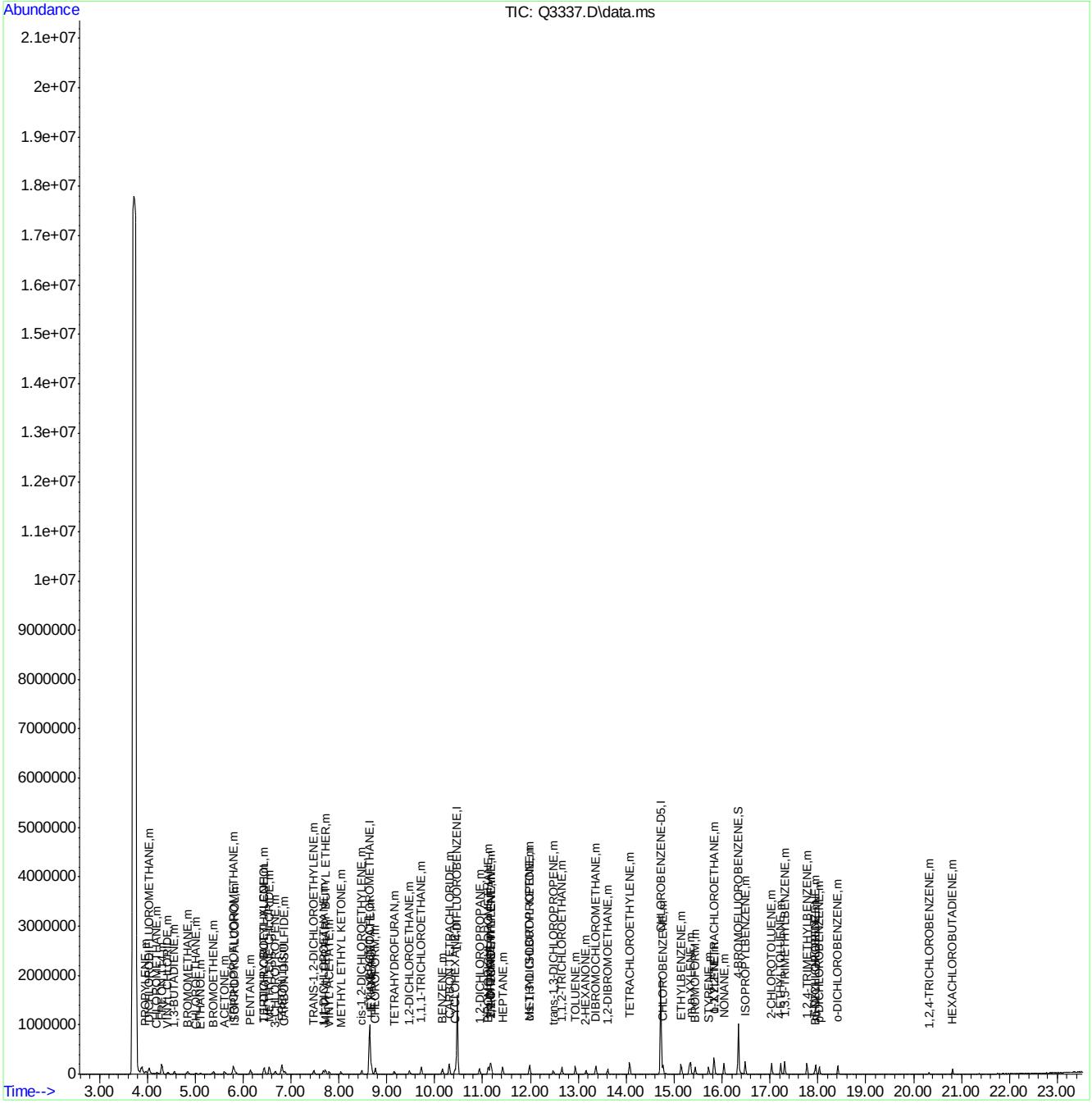
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.990	43	73494	1.62 PPBV	92
45) cis-1,3-DICHLOROPROPENE	11.972	75	47384	1.68 PPBV #	82
46) TOLUENE	12.934	92	56216	1.75 PPBV	100
47) trans-1,3-DICHLOROPROPENE	12.476	75	35292	1.61 PPBV	89
48) 1,1,2-TRICHLOROETHANE	12.657	83	34241	1.01 PPBV	98
50) 2-HEXANONE	13.157	43	55939	1.57 PPBV	92
51) TETRACHLOROETHYLENE	14.075	164	39845	1.47 PPBV	86
52) DIBROMOCHLOROMETHANE	13.365	129	80569	1.70 PPBV	98
53) 1,2-DIBROMOETHANE	13.613	107	59495	1.80 PPBV	96
54) CHLOROBENZENE	14.769	112	82076	1.90 PPBV	96
55) ETHYLBENZENE	15.143	91	126472	1.76 PPBV	97
56) m,p-XYLENE	15.333	106	103162m	3.70 PPBV	
57) o-XYLENE	15.839	106	51191	1.81 PPBV	94
58) STYRENE	15.722	104	57833	1.61 PPBV	99
59) NONANE	16.041	43	78618	1.68 PPBV	96
60) BROMOFORM	15.436	173	60185	1.47 PPBV	98
62) 1,1,2,2-TETRACHLOROETHANE	15.825	83	84274	1.80 PPBV	99
63) ISOPROPYLBENZENE	16.485	105	144940	1.32 PPBV	97
64) 2-CHLOROTOLUENE	17.037	91	106297	1.67 PPBV	96
65) 4-ETHYLTOLUENE	17.225	105	114982	1.61 PPBV	95
66) 1,3,5-TRIMETHYLBENZENE	17.310	105	118979	1.62 PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.772	105	103425	1.48 PPBV	94
68) m-DICHLOROBENZENE	17.955	146	57105	1.40 PPBV	98
69) BENZYL CHLORIDE	17.930	91	42478	1.08 PPBV	98
70) p-DICHLOROBENZENE	18.034	146	52384	1.44 PPBV	98
71) o-DICHLOROBENZENE	18.414	146	56793	1.42 PPBV	97
72) HEXACHLOROBUTADIENE	20.812	225	11818	0.75 PPBV	95
73) 1,2,4-TRICHLOROBENZENE	20.326	180	5692	0.74 PPBV	88

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3337.D
Acq On : 4 May 2007 12:03 pm
Operator : PhilipB
Sample : IC180-2 (M105)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 1 Sample Multiplier: 1

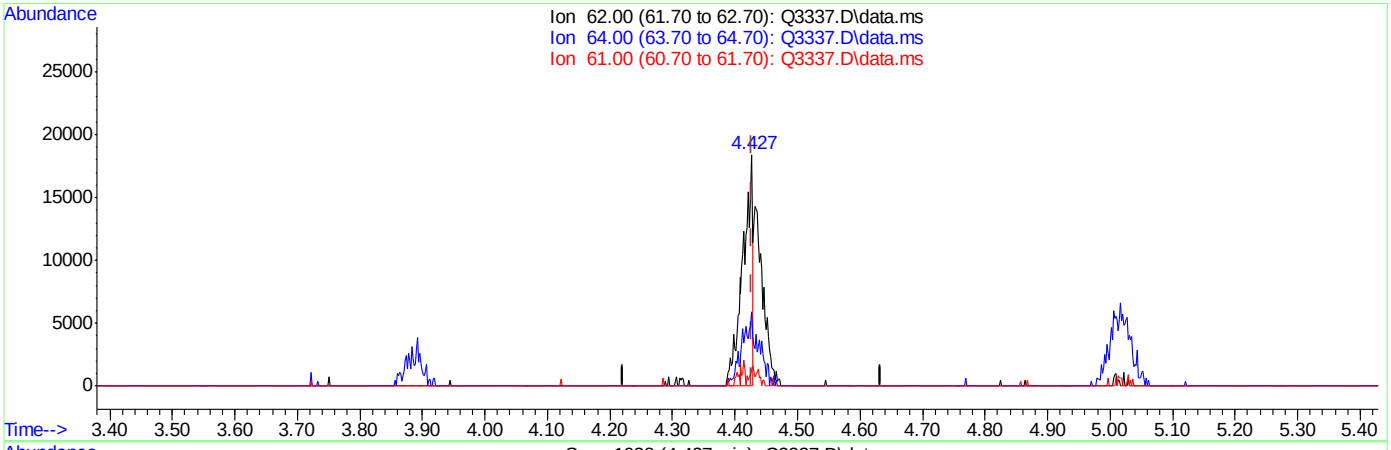
Quant Time: May 04 12:28:15 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 11:33:12 2007
Response via : Initial Calibration

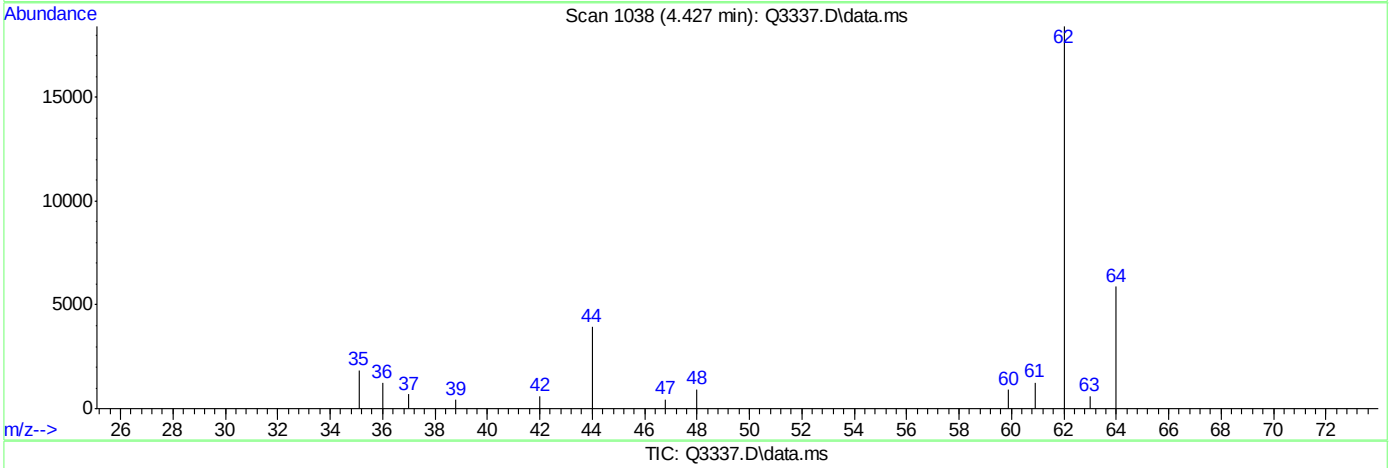


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3337.D
Acq On : 4 May 2007 12:03 pm
Operator : PhilipB
Sample : IC180-2 (M105)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 04 12:27:24 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 11:33:12 2007
Response via : Initial Calibration





TIC: Q3337.D\data.ms

(6) VINYL CHLORIDE (m)

4.427min (+0.000) 0.93PPBV

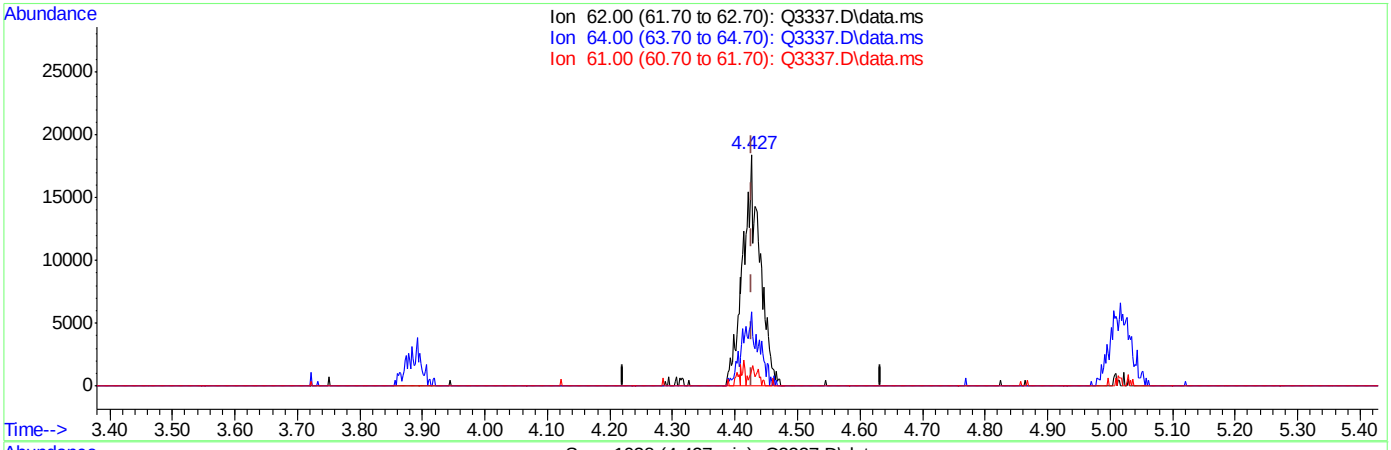
response 20192

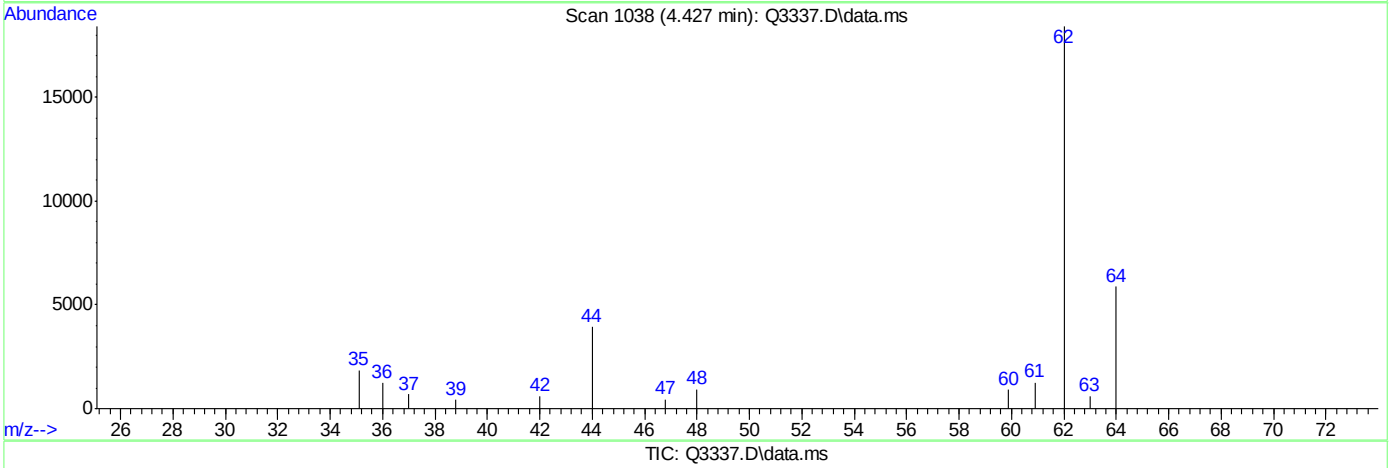
Ion	Exp%	Act%
62.00	100	100
64.00	31.80	40.59
61.00	8.20	6.53
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3337.D
Acq On : 4 May 2007 12:03 pm
Operator : PhilipB
Sample : IC180-2 (M105)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 04 12:27:24 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 11:33:12 2007
Response via : Initial Calibration





TIC: Q3337.D\data.ms

(6) VINYL CHLORIDE (m)

4.427min (+0.000) 1.63PPBV m

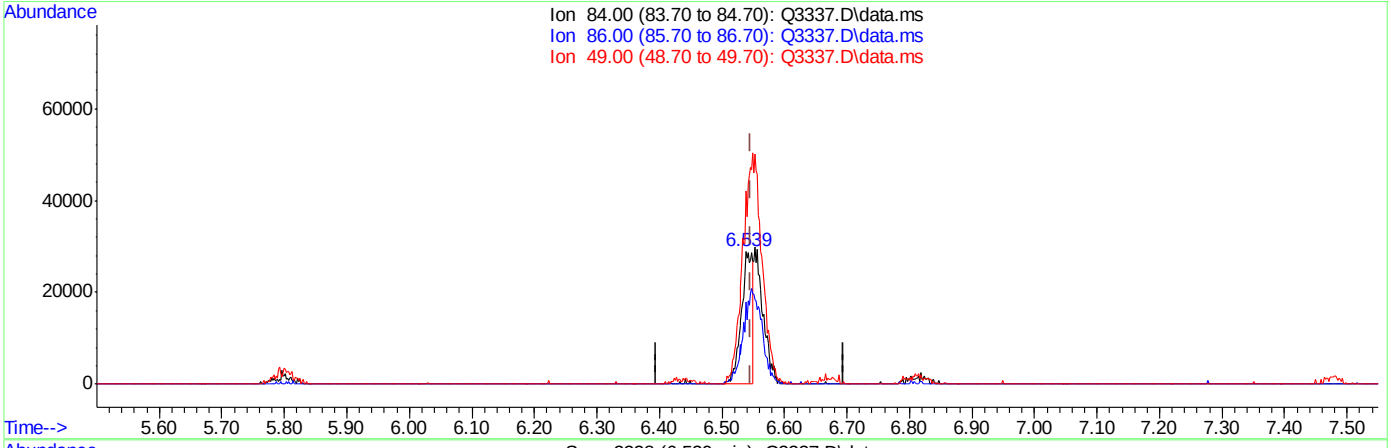
response 35345

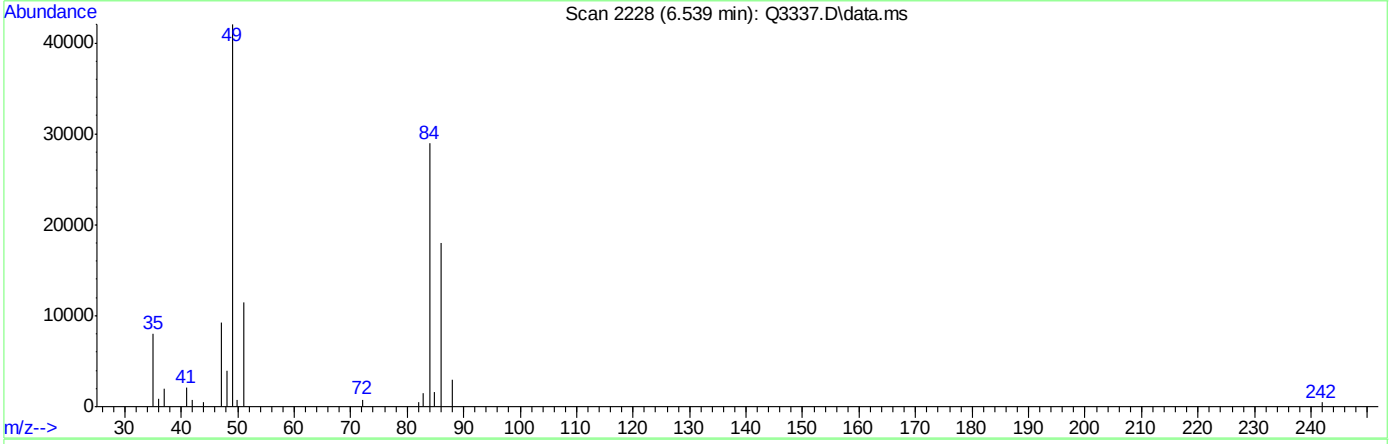
Ion	Exp%	Act%
62.00	100	100
64.00	31.80	23.19
61.00	8.20	3.73
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3337.D
Acq On : 4 May 2007 12:03 pm
Operator : PhilipB
Sample : IC180-2 (M105)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 04 12:27:24 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 11:33:12 2007
Response via : Initial Calibration





TIC: Q3337.D\data.ms

(18) METHYLENE CHLORIDE (m)

6.539min (-0.007) 1.19PPBV

response 36597

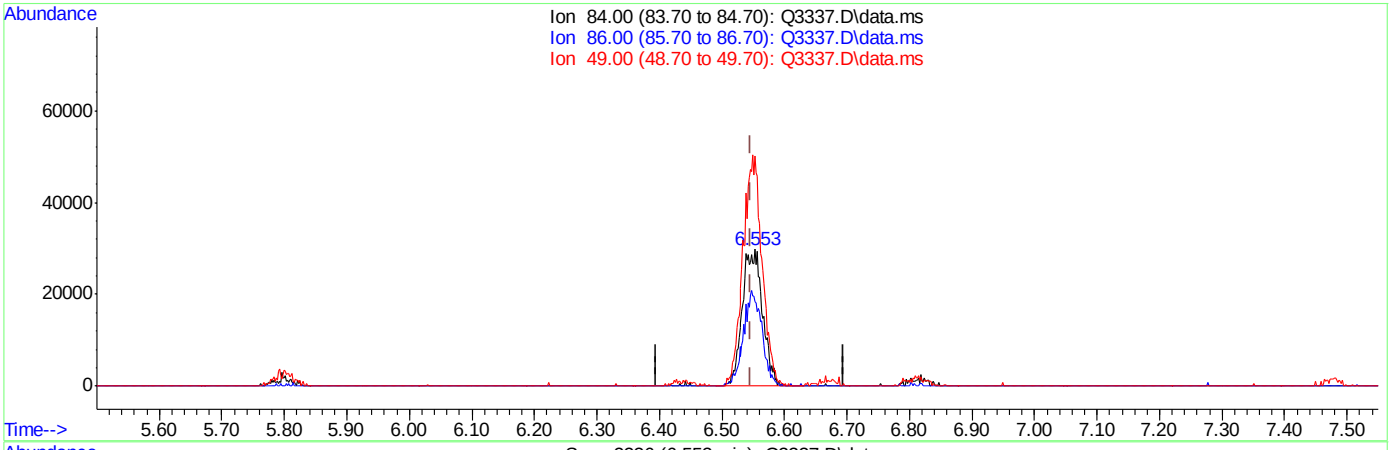
Ion	Exp%	Act%
84.00	100	100
86.00	65.00	118.45#
49.00	118.80	296.11
0.00	0.00	0.00

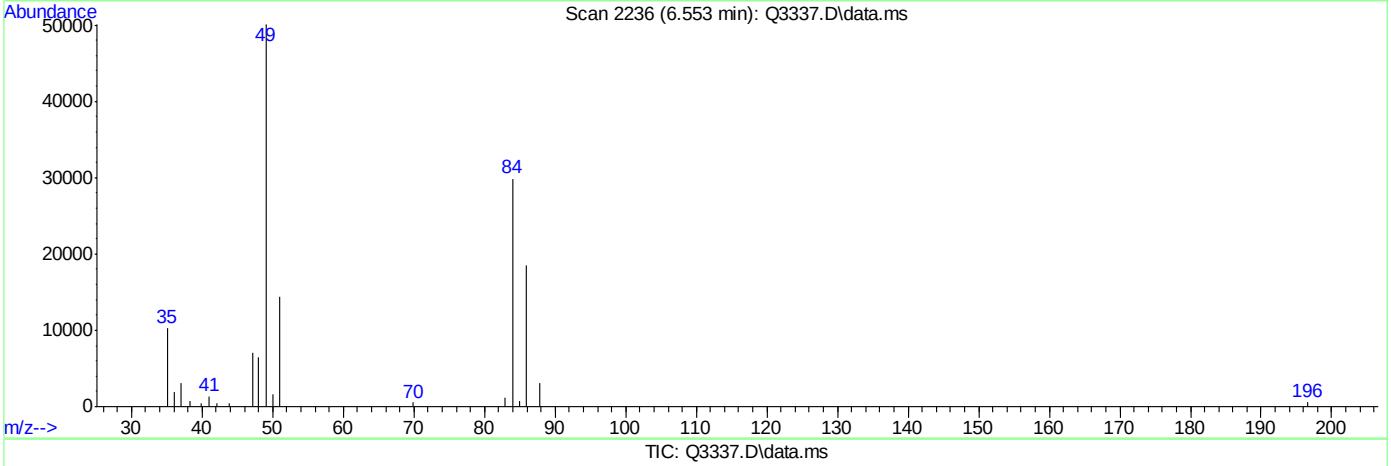
ACCUTEST Laboratories M64809

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3337.D
Acq On : 4 May 2007 12:03 pm
Operator : PhilipB
Sample : IC180-2 (M105)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 04 12:27:24 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 11:33:12 2007
Response via : Initial Calibration





TIC: Q3337.D\data.ms

(18) METHYLENE CHLORIDE (m)

6.553min (+0.007) 2.20PPBV m

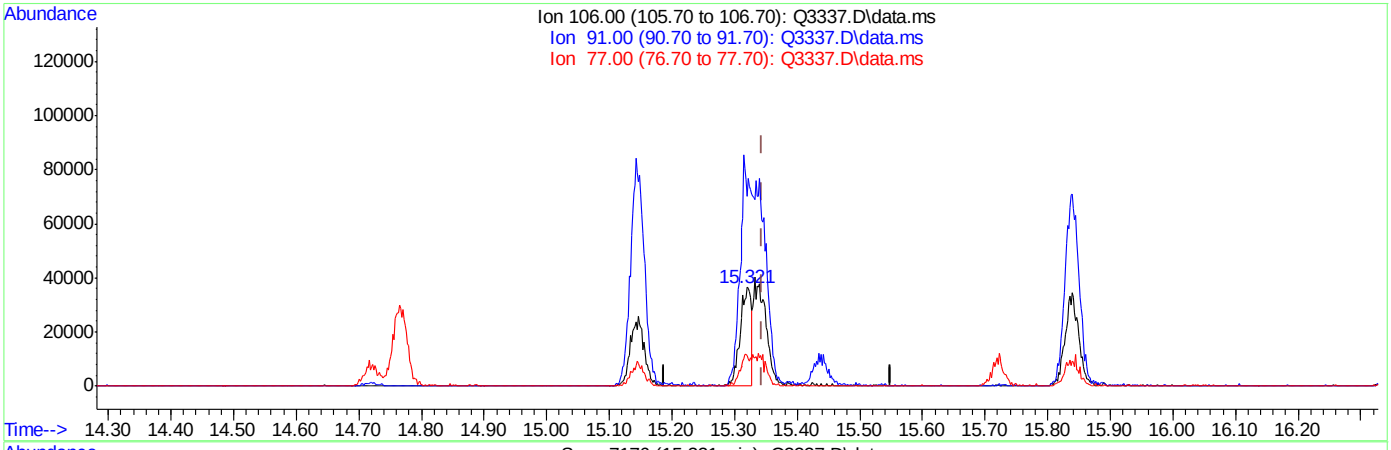
response 67760

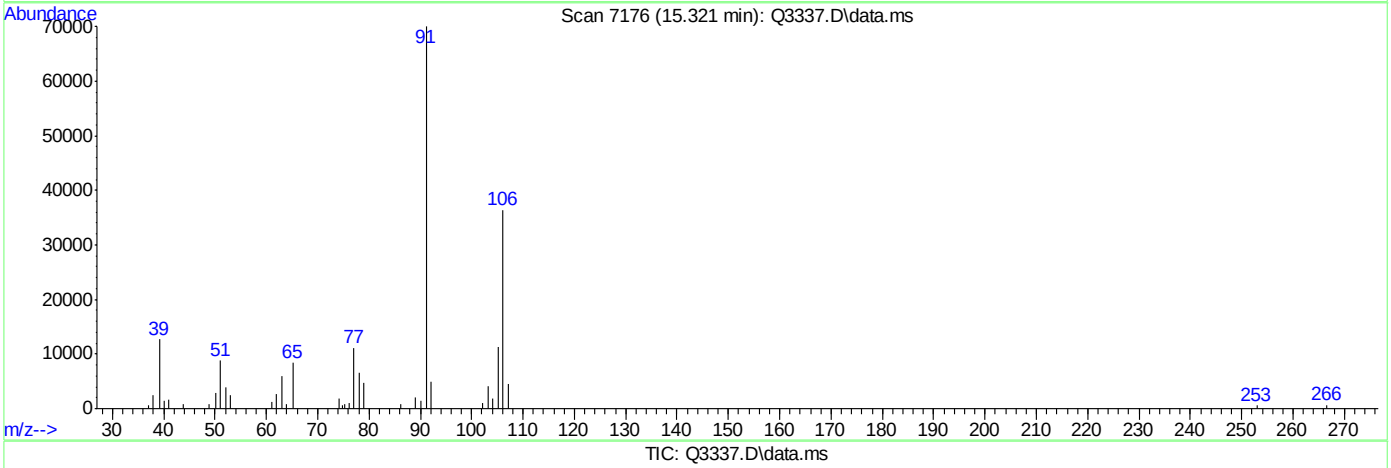
Ion	Exp%	Act%
84.00	100	100
86.00	65.00	63.98
49.00	118.80	159.93
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3337.D
Acq On : 4 May 2007 12:03 pm
Operator : PhilipB
Sample : IC180-2 (M105)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 04 12:27:24 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 11:33:12 2007
Response via : Initial Calibration





TIC: Q3337.D\data.ms

(56) m,p-XYLENE (m)

15.321min (-0.023) 1.66PPBV

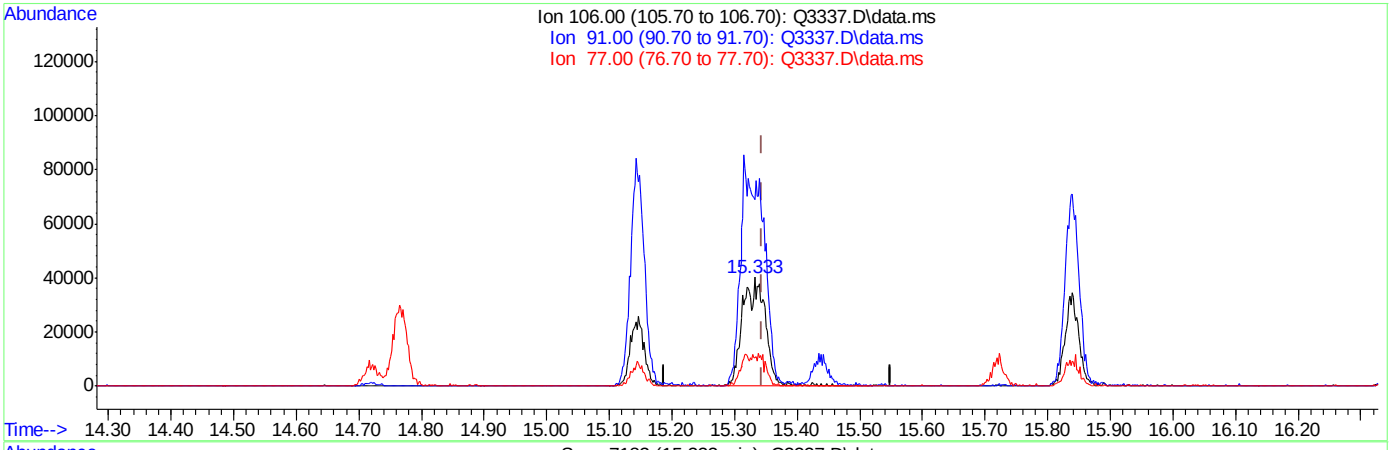
response 46359

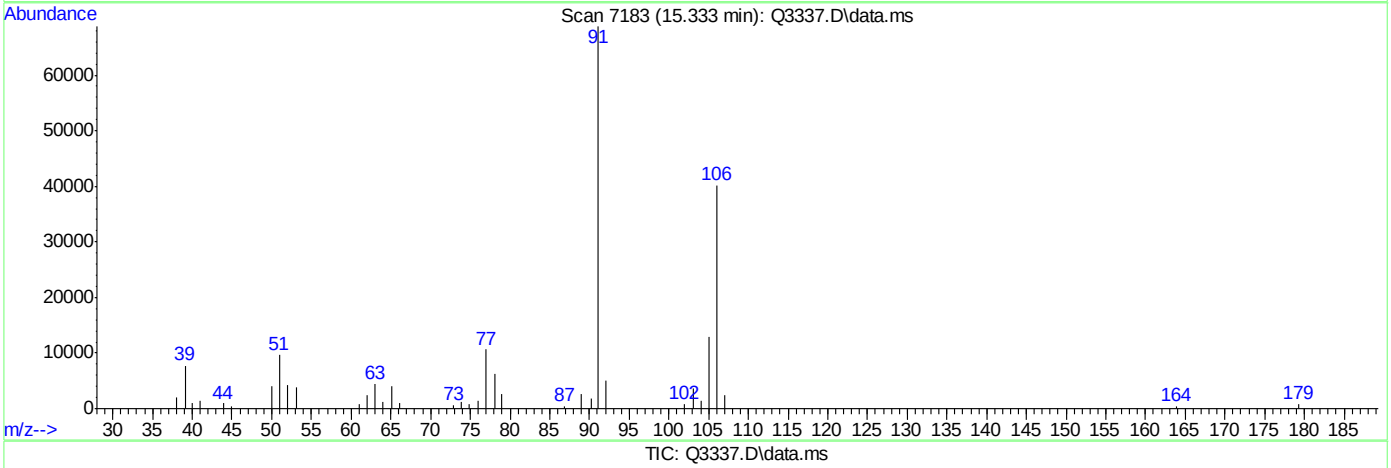
Ion	Exp%	Act%
106.00	100	100
91.00	212.80	192.33
77.00	31.20	30.73
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3337.D
Acq On : 4 May 2007 12:03 pm
Operator : PhilipB
Sample : IC180-2 (M105)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 04 12:27:24 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 11:33:12 2007
Response via : Initial Calibration





TIC: Q3337.D\data.ms

(56) m,p-XYLENE (m)

15.333min (-0.011) 3.70PPBV m

response 103162

Ion	Exp%	Act%
106.00	100	100
91.00	212.80	171.34
77.00	31.20	26.61
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 05/21/07 17:26

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3338.D
Acq On : 4 May 2007 12:52 pm
Operator : PhilipB
Sample : IC180-.5 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 14:35:09 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 12:28:30 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.644	128	126062	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.472	114	590641	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.721	117	497909m	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.345	95	167178	4.13	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 82.60%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.047	85	27403m	0.53	PPBV	
3) PROPYLENE	3.976	41	4978m	0.51	PPBV	
4) FREON 114	4.299	85	22453	0.51	PPBV	97
5) CHLOROMETHANE	4.204	50	5689m	0.51	PPBV	
6) VINYL CHLORIDE	4.415	62	6429m	0.55	PPBV	
7) 1,3-BUTADIENE	4.566	39	6566	0.55	PPBV #	51
8) BROMOMETHANE	4.835	94	5689	0.44	PPBV #	94
9) CHLOROETHANE	5.013	64	2186m	0.48	PPBV	
10) TRICHLOROFLUOROMETHANE	5.796	101	35119m	0.62	PPBV	
11) ISOPROPYL ALCOHOL	5.840	45	15614	0.82	PPBV	77
12) ACETONE	5.615	43	19290m	0.94	PPBV	
13) PENTANE	6.152	42	8625	0.75	PPBV	92
14) 1,1-DICHLOROETHYLENE	6.431	96	6630m	0.61	PPBV	
15) CARBON DISULFIDE	6.868	76	18586	0.57	PPBV	91
16) ETHANOL	5.110	45	3063m	0.91	PPBV	
17) BROMOETHENE	5.373	106	6754	0.55	PPBV #	78
18) METHYLENE CHLORIDE	6.550	84	10272m	0.58	PPBV	
19) 3-CHLOROPROPENE	6.674	39	5832m	0.42	PPBV	
20) FREON 113	6.813	151	13677	0.56	PPBV #	83
21) TRANS-1,2-DICHLOROETHY...	7.482	96	5160	0.51	PPBV #	75
22) TERTIARY BUTYL ALCOHOL	6.447	59	12095	0.55	PPBV	84
23) METHYL TERTIARY BUTYL ...	7.723	73	11344	0.48	PPBV	86
24) TETRAHYDROFURAN	9.168	42	4367	0.45	PPBV #	69
25) HEXANE	8.680	57	8105	0.48	PPBV #	82
26) VINYL ACETATE	7.798	43	9818	0.43	PPBV	81
27) 1,1-DICHLOROETHANE	7.677	63	11147	0.57	PPBV #	54
28) METHYL ETHYL KETONE	8.055	43	10876m	0.56	PPBV	
29) cis-1,2-DICHLOROETHYLENE	8.475	96	4961m	0.51	PPBV	
30) ETHYL ACETATE	8.678	43	17756	0.50	PPBV #	98
31) CHLOROFORM	8.761	83	15714	0.57	PPBV	89
32) 1,1,1-TRICHLOROETHANE	9.716	97	16310	0.56	PPBV	97
33) CARBON TETRACHLORIDE	10.302	117	20113	0.57	PPBV	92
34) 1,2-DICHLOROETHANE	9.478	62	9650	0.57	PPBV	97
36) BENZENE	10.165	78	14256	0.56	PPBV	95
37) CYCLOHEXANE	10.431	84	5587m	0.50	PPBV	
38) TRICHLOROETHYLENE	11.159	95	8520	0.55	PPBV	89
39) 1,2-DICHLOROPROPANE	10.942	63	5112m	0.54	PPBV	
40) BROMODICHLOROMETHANE	11.120	83	14210	0.54	PPBV	97
41) 2,2,4-TRIMETHYLPENTANE	11.186	57	23010	0.51	PPBV	93
42) 1,4-DIOXANE	11.159	88	2552m	0.51	PPBV	
43) HEPTANE	11.414	43	7787	0.44	PPBV #	77

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3338.D
Acq On : 4 May 2007 12:52 pm
Operator : PhilipB
Sample : IC180-.5 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 14:35:09 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 12:28:30 2007
Response via : Initial Calibration

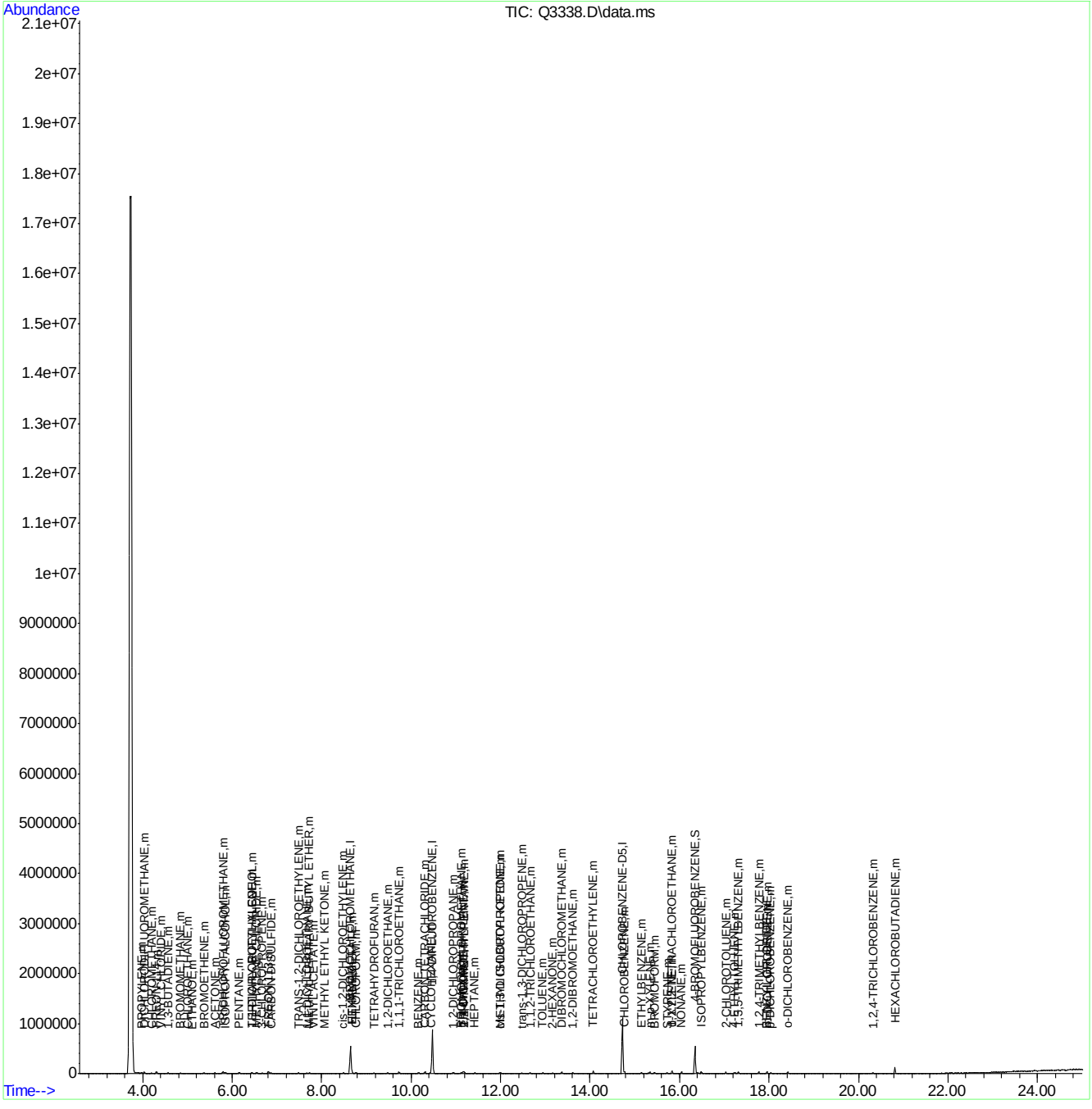
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.993	43	10341	0.43 PPBV #	60
45) cis-1,3-DICHLOROPROPENE	11.974	75	6452	0.43 PPBV #	78
46) TOLUENE	12.941	92	7628	0.44 PPBV	98
47) trans-1,3-DICHLOROPROPENE	12.479	75	3399	0.29 PPBV #	67
48) 1,1,2-TRICHLOROETHANE	12.655	83	5207	0.31 PPBV	89
50) 2-HEXANONE	13.164	43	6606	0.33 PPBV	89
51) TETRACHLOROETHYLENE	14.068	164	7185	0.48 PPBV #	75
52) DIBROMOCHLOROMETHANE	13.365	129	11383	0.43 PPBV	97
53) 1,2-DIBROMOETHANE	13.617	107	9057	0.48 PPBV #	93
54) CHLOROBENZENE	14.765	112	13225	0.53 PPBV	96
55) ETHYLBENZENE	15.142	91	17995	0.44 PPBV	96
56) m,p-XYLENE	15.346	106	13229m	0.83 PPBV	
57) o-XYLENE	15.837	106	6475	0.40 PPBV	94
58) STYRENE	15.724	104	5837	0.29 PPBV	95
59) NONANE	16.043	43	10447	0.40 PPBV	86
60) BROMOFORM	15.438	173	8517	0.38 PPBV	92
62) 1,1,2,2-TETRACHLOROETHANE	15.828	83	15128	0.57 PPBV	98
63) ISOPROPYLBENZENE	16.485	105	20595	0.35 PPBV	87
64) 2-CHLOROTOLUENE	17.033	91	14726	0.41 PPBV	96
65) 4-ETHYLTOLUENE	17.220	105	13232	0.33 PPBV #	99
66) 1,3,5-TRIMETHYLBENZENE	17.312	105	17906	0.44 PPBV	91
67) 1,2,4-TRIMETHYLBENZENE	17.775	105	15021	0.39 PPBV	89
68) m-DICHLOROBENZENE	17.955	146	10250	0.46 PPBV	94
69) BENZYL CHLORIDE	17.935	91	6549	0.32 PPBV	85
70) p-DICHLOROBENZENE	18.033	146	8631	0.43 PPBV	88
71) o-DICHLOROBENZENE	18.414	146	12961	0.59 PPBV	95
72) HEXACHLOROBUTADIENE	20.812	225	13076	1.65 PPBV	97
73) 1,2,4-TRICHLOROBENZENE	20.322	180	3698	0.95 PPBV	87

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3338.D
Acq On : 4 May 2007 12:52 pm
Operator : PhilipB
Sample : IC180-.5 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

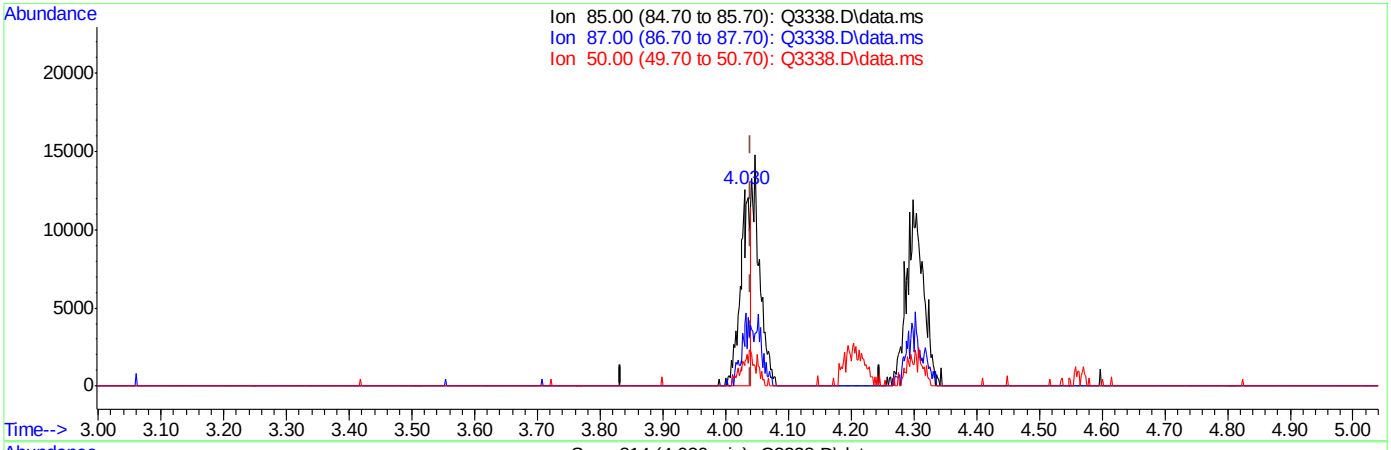
Quant Time: May 04 14:35:09 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 12:28:30 2007
Response via : Initial Calibration

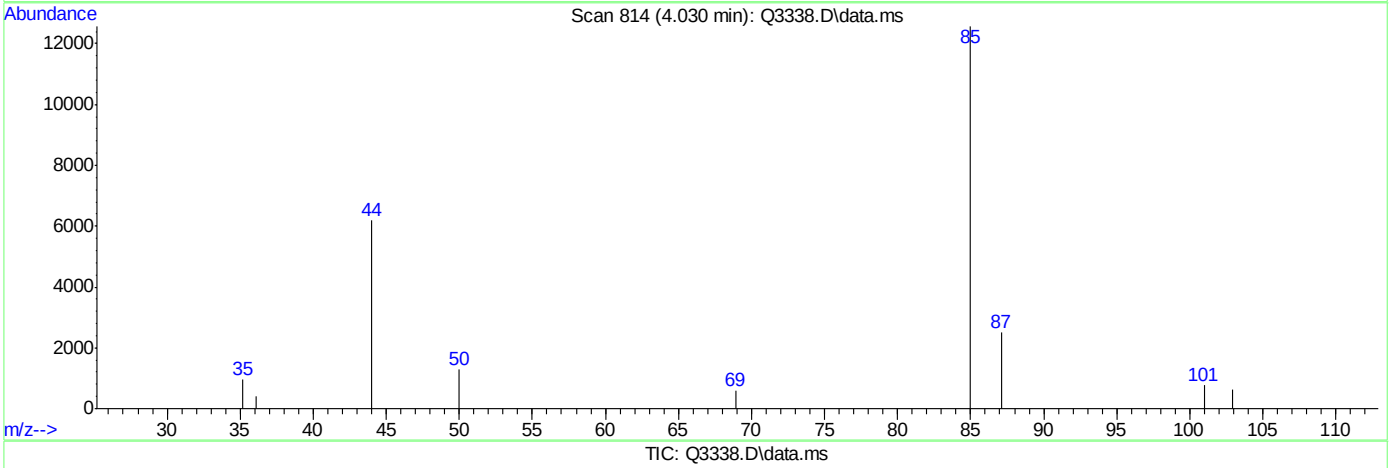


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3338.D
Acq On : 4 May 2007 12:52 pm
Operator : PhilipB
Sample : IC180-.5 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 13:25:53 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 12:28:30 2007
Response via : Initial Calibration





TIC: Q3338.D\data.ms

(2) DICHLORODIFLUOROMETHANE (m)

4.030min (-0.010) 0.28PPBV

response 14378

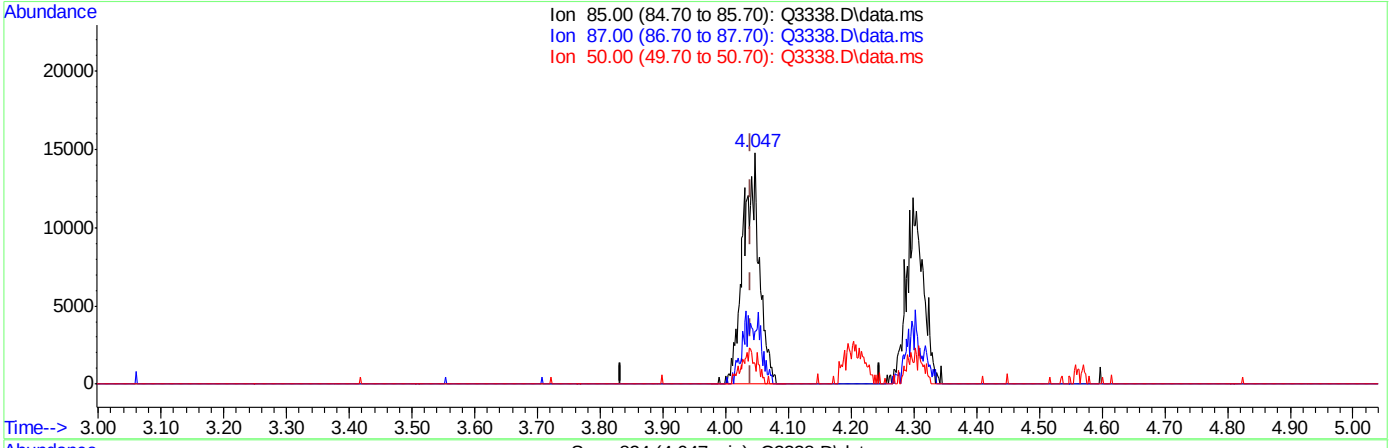
Ion	Exp%	Act%
85.00	100	100
87.00	32.80	61.49#
50.00	11.60	20.97
0.00	0.00	0.00

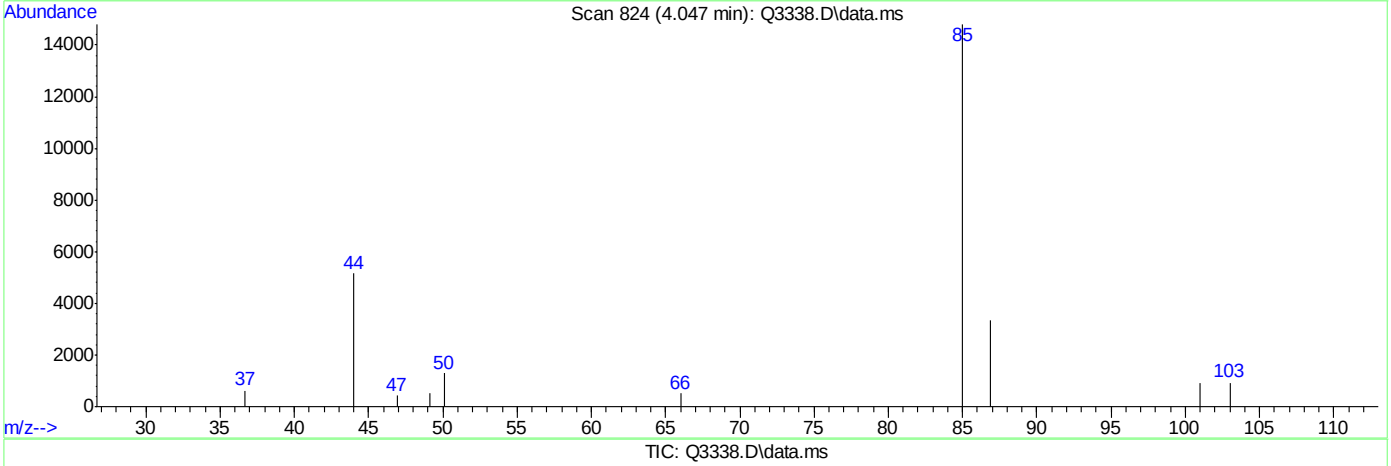
ACCUTEST Laboratories M64809

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3338.D
Acq On : 4 May 2007 12:52 pm
Operator : PhilipB
Sample : IC180-.5 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 13:25:53 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 12:28:30 2007
Response via : Initial Calibration





TIC: Q3338.D\data.ms

(2) DICHLORODIFLUOROMETHANE (m)

4.047min (+0.007) 0.53PPBV m

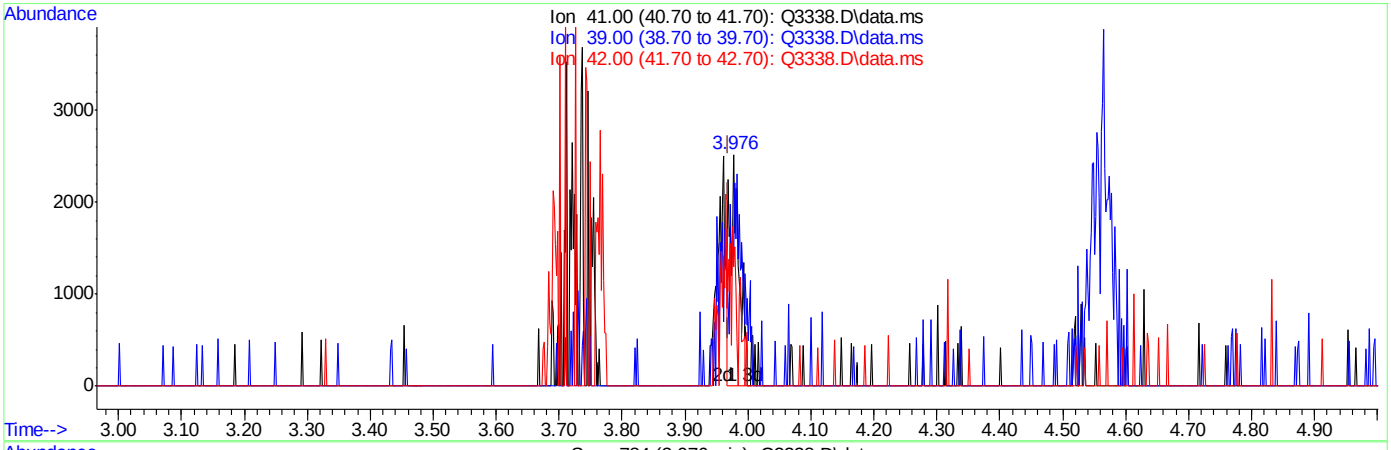
response 27403

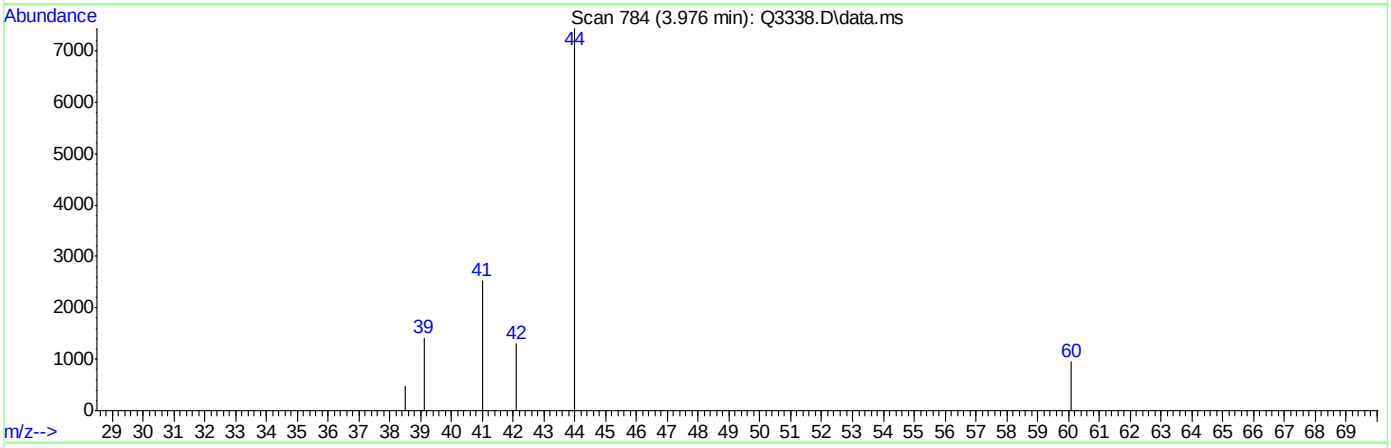
Ion	Exp%	Act%
85.00	100	100
87.00	32.80	32.26
50.00	11.60	11.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3338.D
Acq On : 4 May 2007 12:52 pm
Operator : PhilipB
Sample : IC180-.5 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 13:25:53 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 12:28:30 2007
Response via : Initial Calibration





TIC: Q3338.D\data.ms

(3) PROPYLENE (m)

3.976min (+0.007) 0.27PPBV

response 2626

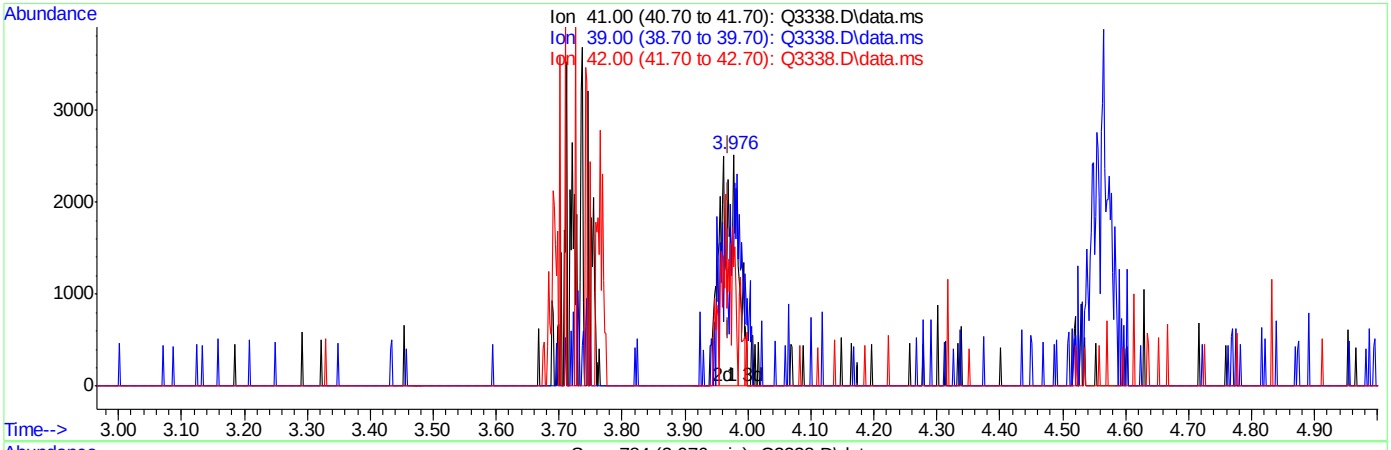
Ion	Exp%	Act%
41.00	100	100
39.00	77.40	55.92#
42.00	67.90	51.59
0.00	0.00	0.00

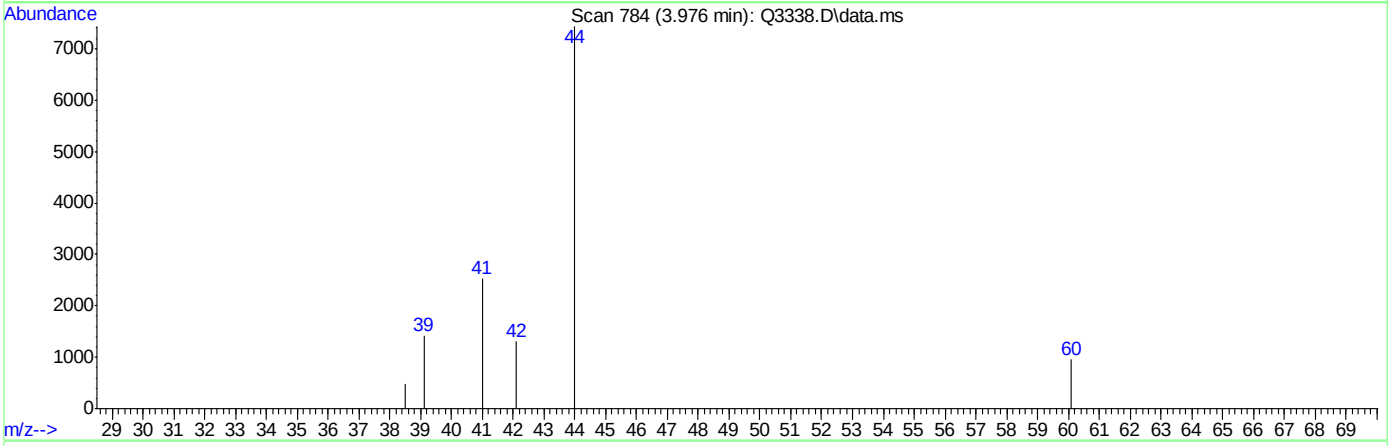
ACCUTEST Laboratories M64809

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3338.D
Acq On : 4 May 2007 12:52 pm
Operator : PhilipB
Sample : IC180-.5 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 13:25:53 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 12:28:30 2007
Response via : Initial Calibration





TIC: Q3338.D\data.ms

(3) PROPYLENE (m)

3.976min (+0.007) 0.51PPBV m

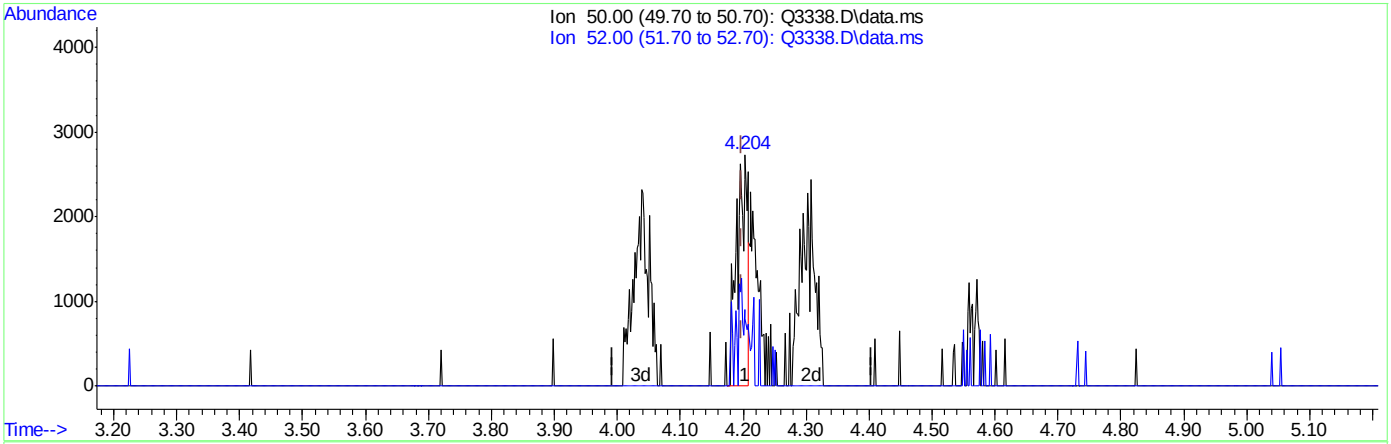
response 4978

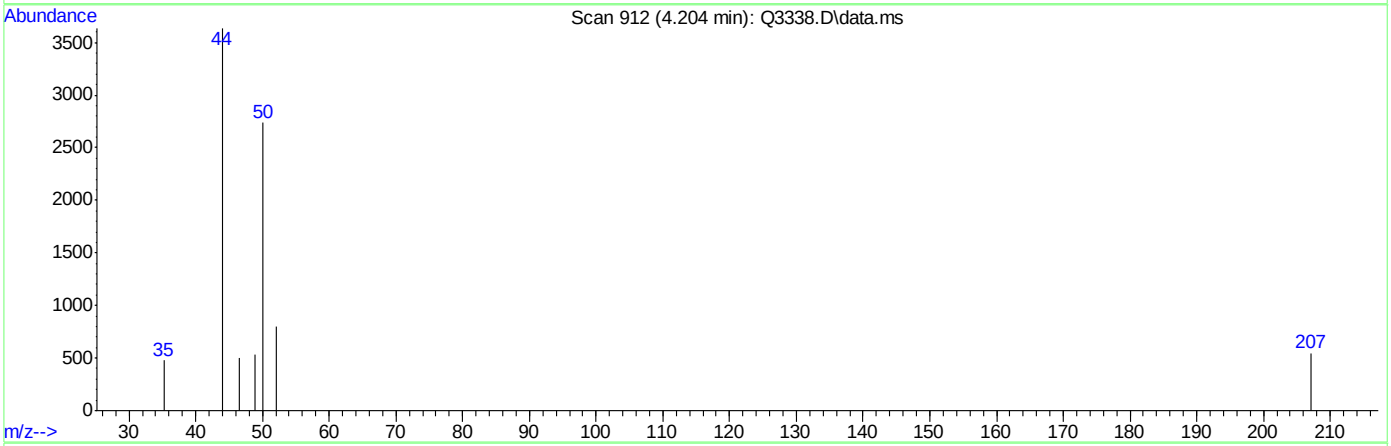
Ion	Exp%	Act%
41.00	100	100
39.00	77.40	55.92#
42.00	67.90	51.59
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3338.D
Acq On : 4 May 2007 12:52 pm
Operator : PhilipB
Sample : IC180-.5 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 13:25:53 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 12:28:30 2007
Response via : Initial Calibration





TIC: Q3338.D\data.ms

(5) CHLOROMETHANE (m)

4.204min (+0.005) 0.30PPBV

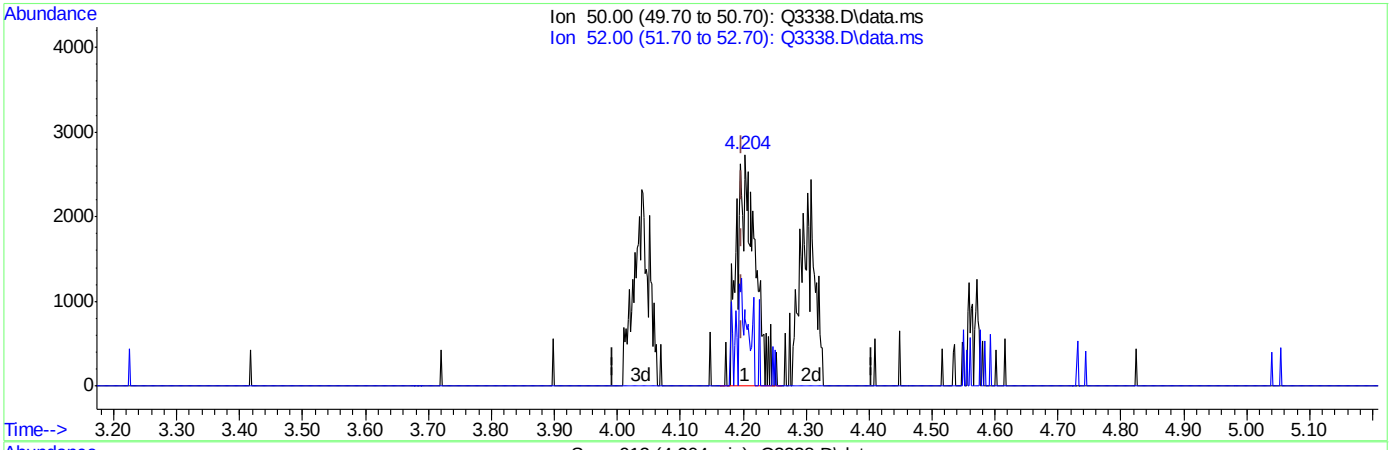
response 3355

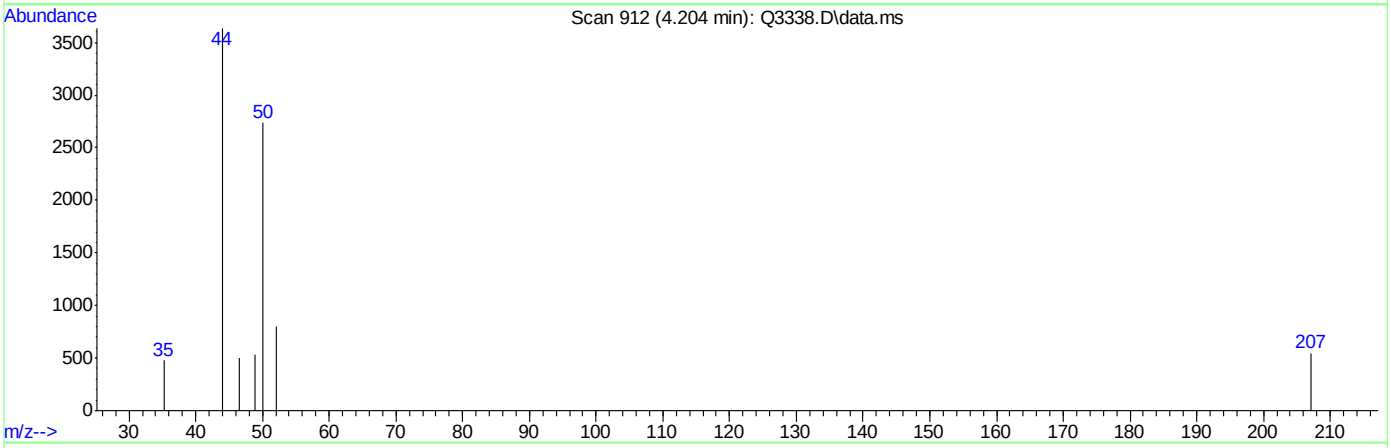
Ion	Exp%	Act%
50.00	100	100
52.00	31.60	23.76
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3338.D
Acq On : 4 May 2007 12:52 pm
Operator : PhilipB
Sample : IC180-.5 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 13:25:53 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 12:28:30 2007
Response via : Initial Calibration





TIC: Q3338.D\data.ms

(5) CHLOROMETHANE (m)

4.204min (+0.005) 0.51PPBV m

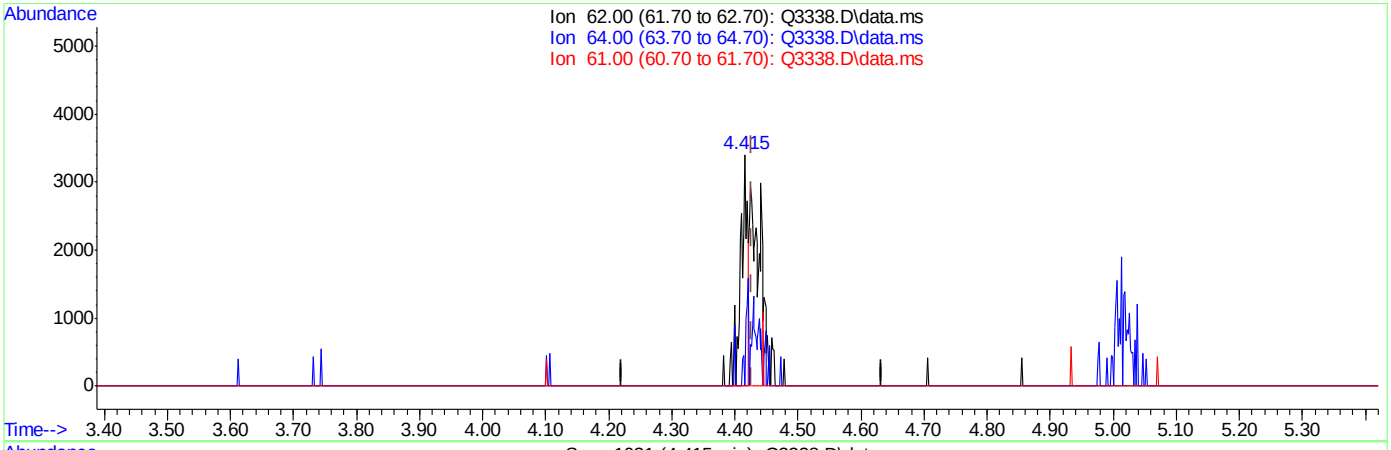
response 5689

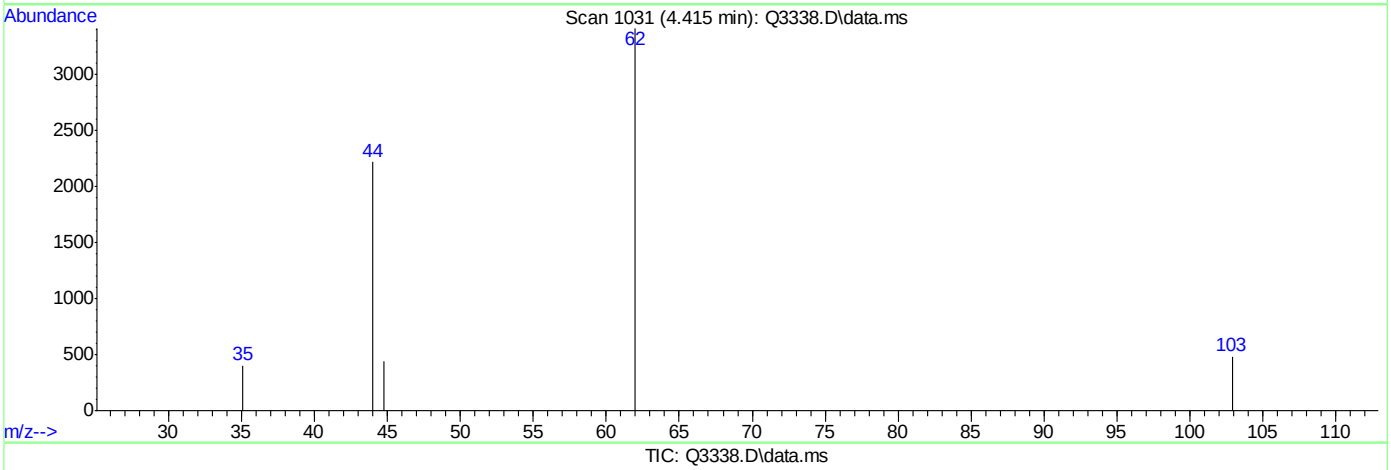
Ion	Exp%	Act%
50.00	100	100
52.00	31.60	29.06
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3338.D
Acq On : 4 May 2007 12:52 pm
Operator : PhilipB
Sample : IC180-.5 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 13:25:53 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 12:28:30 2007
Response via : Initial Calibration





TIC: Q3338.D\data.ms

(6) VINYL CHLORIDE (m)

4.415min (-0.012) 0.22PPBV

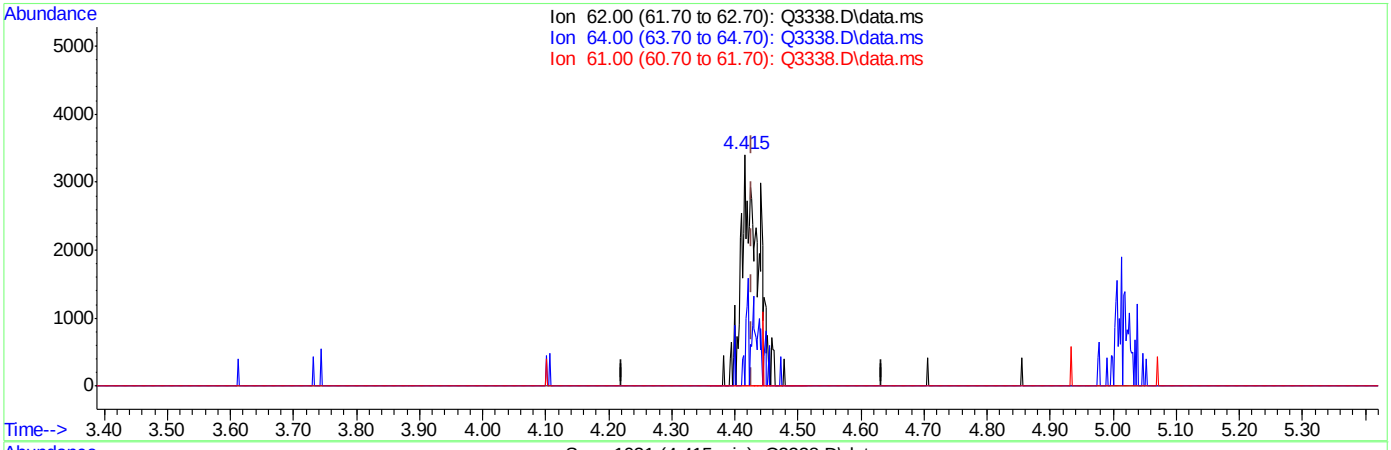
response 2534

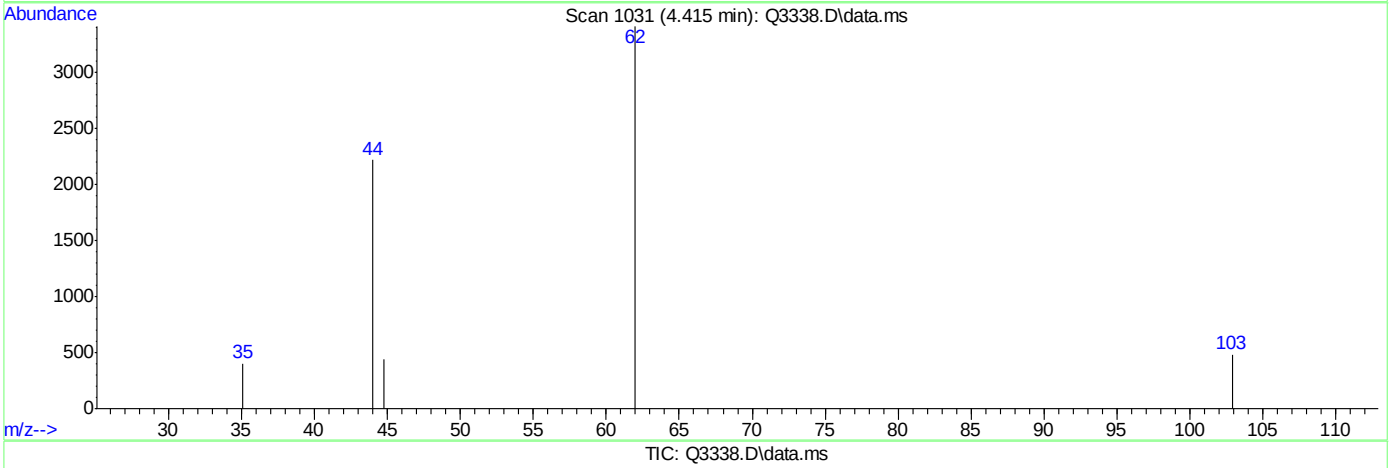
Ion	Exp%	Act%
62.00	100	100
64.00	31.80	42.62
61.00	8.20	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3338.D
Acq On : 4 May 2007 12:52 pm
Operator : PhilipB
Sample : IC180-.5 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 13:25:53 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 12:28:30 2007
Response via : Initial Calibration





TIC: Q3338.D\data.ms

(6) VINYL CHLORIDE (m)

4.415min (-0.012) 0.55PPBV m

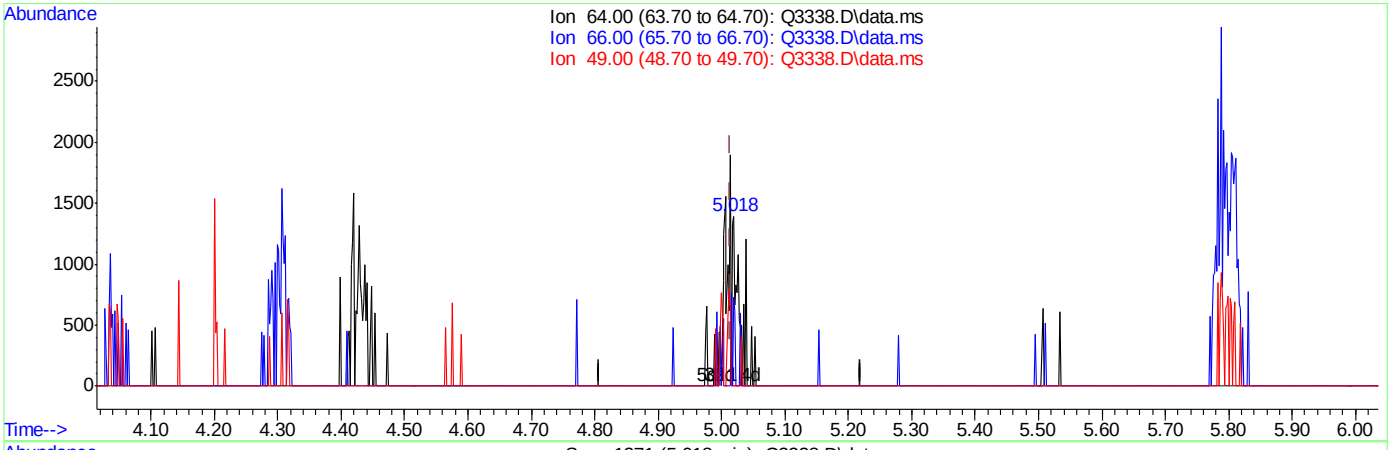
response 6429

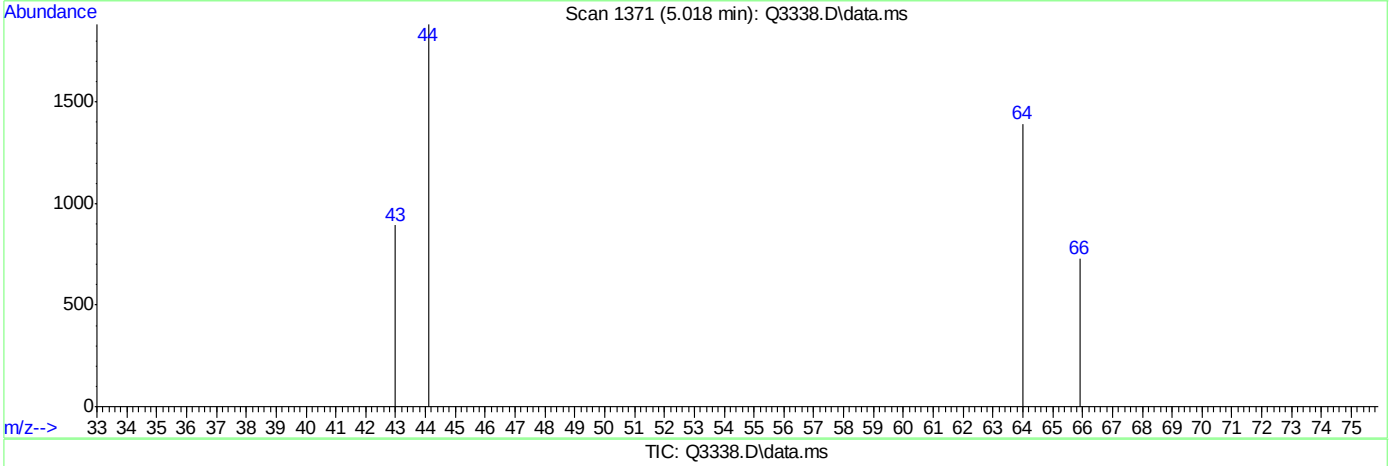
Ion	Exp%	Act%
62.00	100	100
64.00	31.80	16.80
61.00	8.20	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3338.D
Acq On : 4 May 2007 12:52 pm
Operator : PhilipB
Sample : IC180-.5 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 13:25:53 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 12:28:30 2007
Response via : Initial Calibration





TIC: Q3338.D\data.ms

(9) CHLOROETHANE (m)

5.018min (+0.004) 0.19PPBV

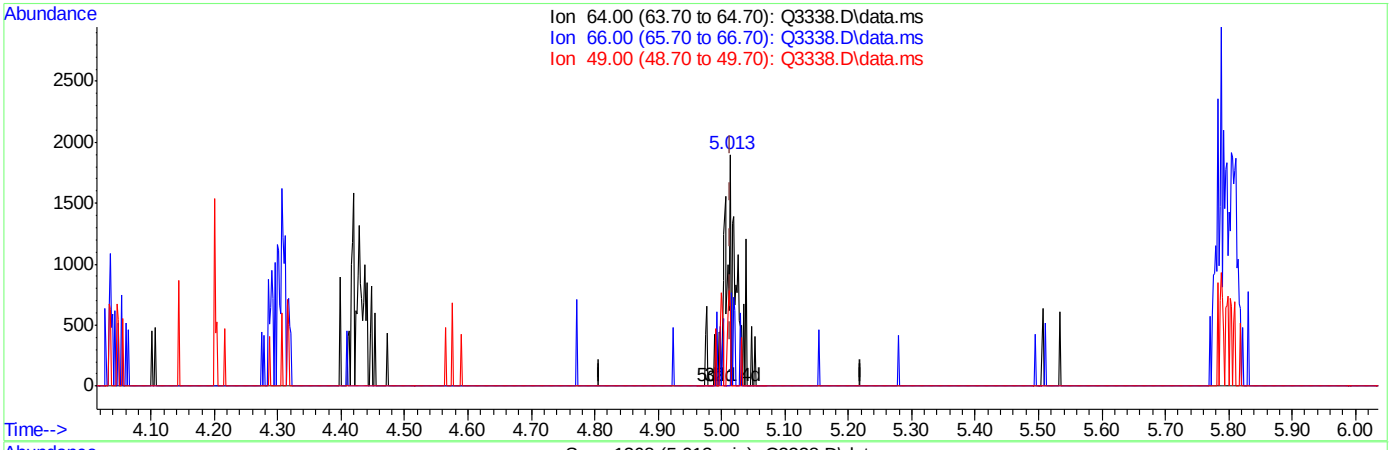
response 882

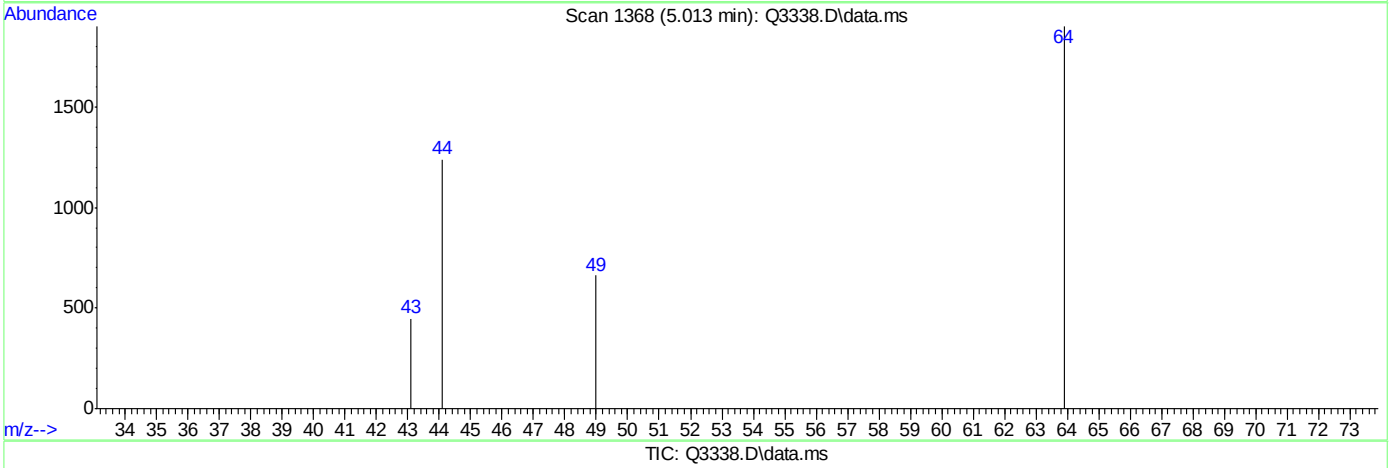
Ion	Exp%	Act%
64.00	100	100
66.00	33.60	25.51
49.00	30.70	24.72
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3338.D
Acq On : 4 May 2007 12:52 pm
Operator : PhilipB
Sample : IC180-.5 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 13:25:53 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 12:28:30 2007
Response via : Initial Calibration





TIC: Q3338.D\data.ms

(9) CHLOROETHANE (m)

5.013min (-0.001) 0.48PPBV m

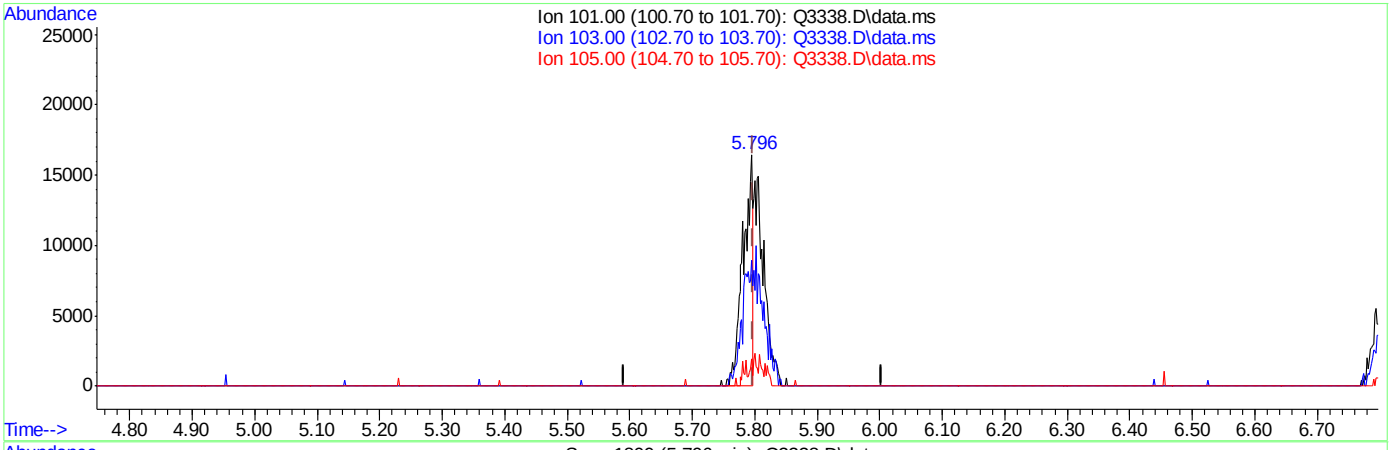
response 2186

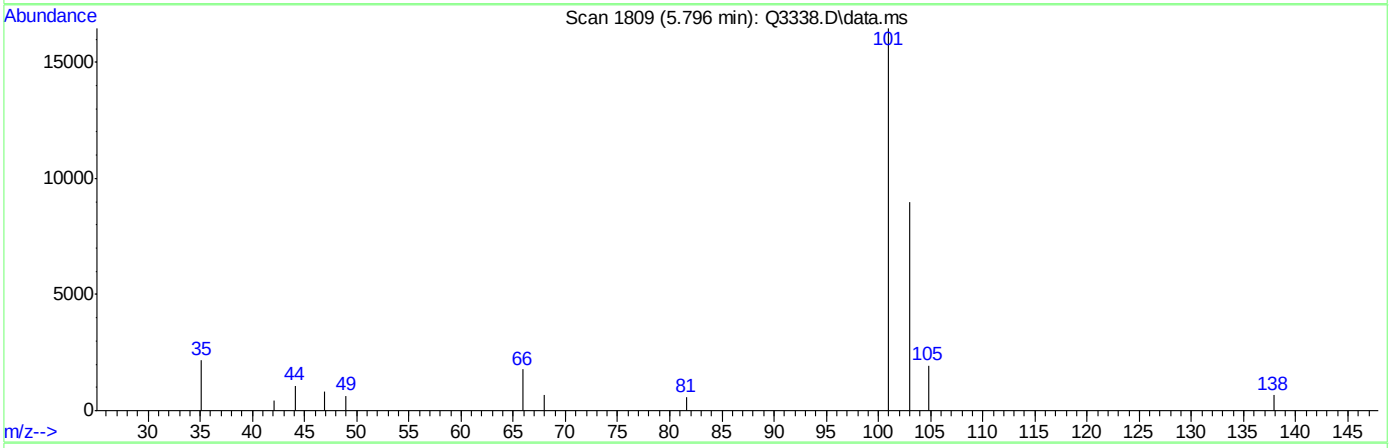
Ion	Exp%	Act%
64.00	100	100
66.00	33.60	10.29#
49.00	30.70	9.97#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3338.D
Acq On : 4 May 2007 12:52 pm
Operator : PhilipB
Sample : IC180-.5 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 13:25:53 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 12:28:30 2007
Response via : Initial Calibration





TIC: Q3338.D\data.ms

(10) TRICHLOROFLUOROMETHANE (m)

5.796min (-0.001) 0.32PPBV

response 17988

Ion	Exp%	Act%
101.00	100	100
103.00	64.80	77.47
105.00	10.30	12.30
0.00	0.00	0.00

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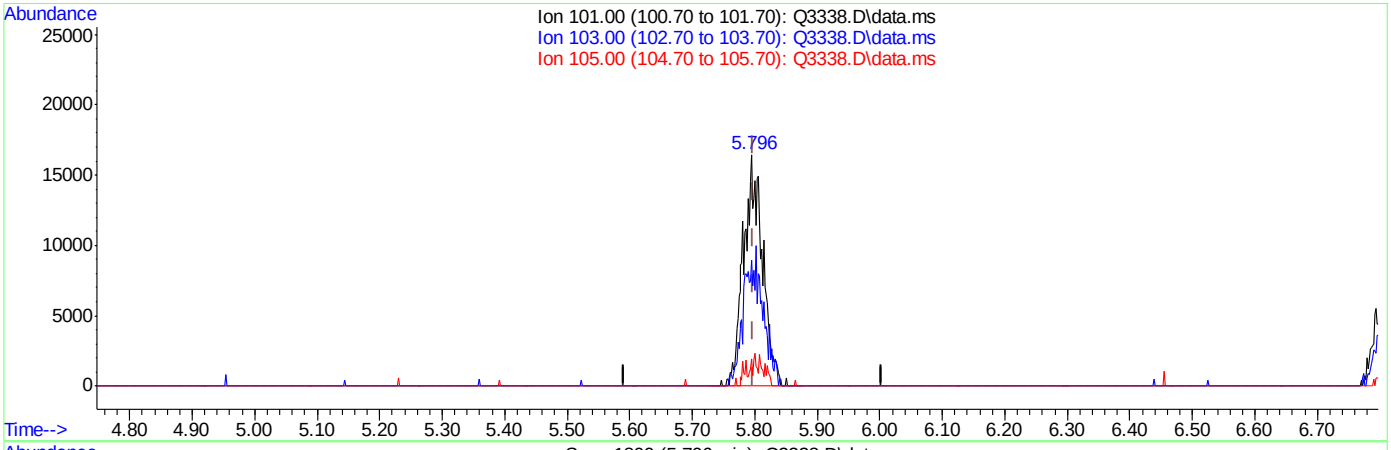
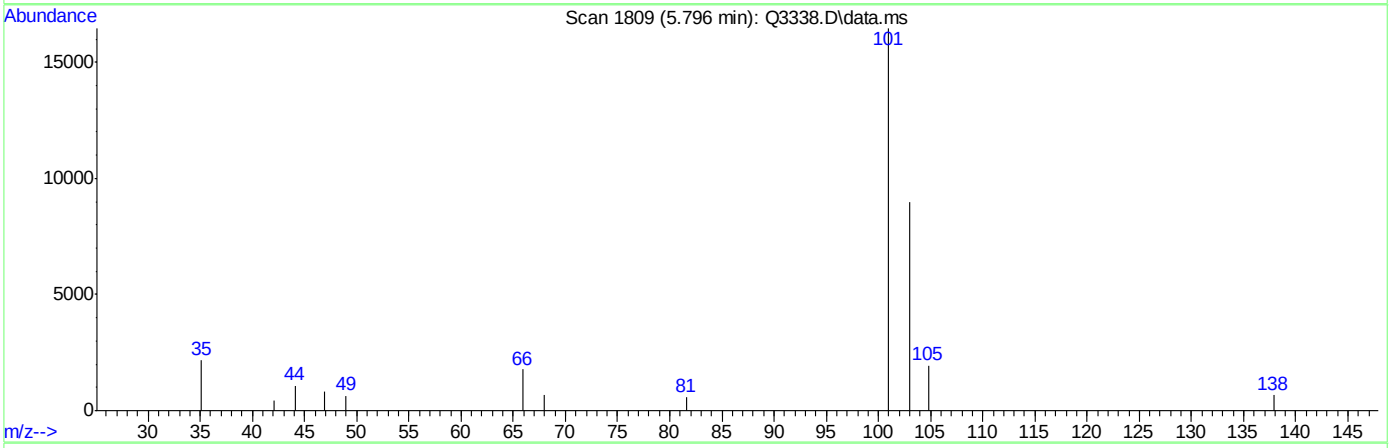
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3338.D
Acq On : 4 May 2007 12:52 pm
Operator : PhilipB
Sample : IC180-.5 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 13:25:53 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 12:28:30 2007
Response via : Initial Calibration





TIC: Q3338.D\data.ms

(10) TRICHLOROFLUOROMETHANE (m)

5.796min (-0.001) 0.62PPBV m

response 35119

Ion	Exp%	Act%
101.00	100	100
103.00	64.80	39.68#
105.00	10.30	6.30
0.00	0.00	0.00

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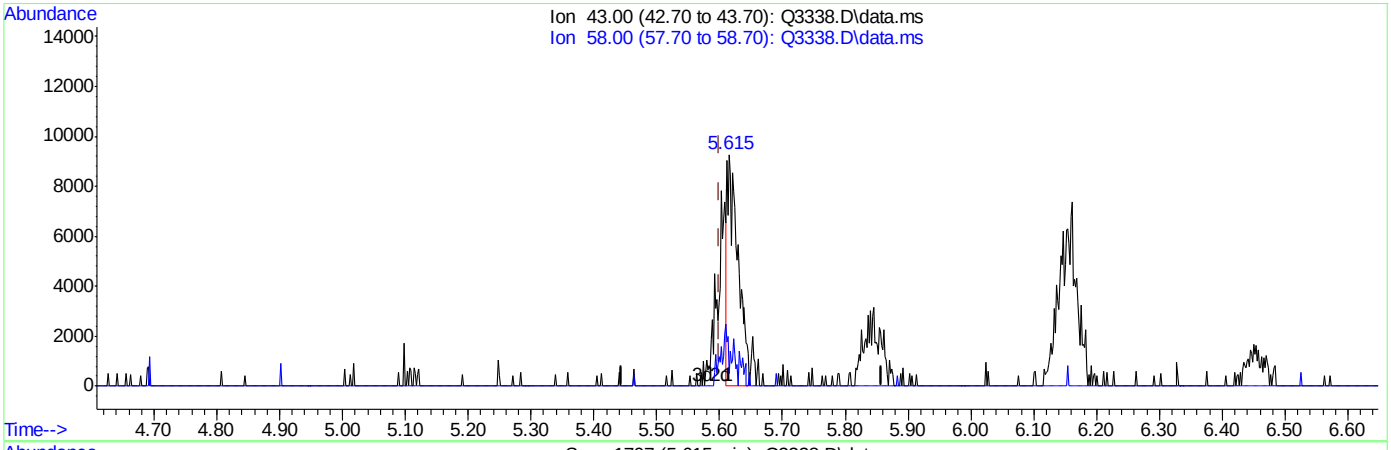
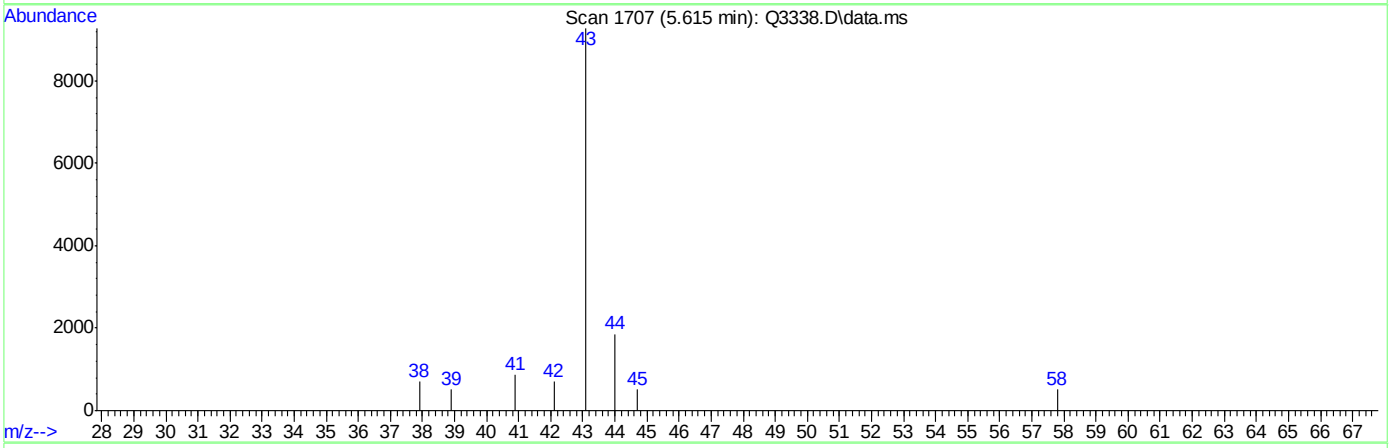
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3338.D
Acq On : 4 May 2007 12:52 pm
Operator : PhilipB
Sample : IC180-.5 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 13:25:53 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 12:28:30 2007
Response via : Initial Calibration





TIC: Q3338.D\data.ms

(12) ACETONE (m)

5.615min (+0.015) 0.55PPBV

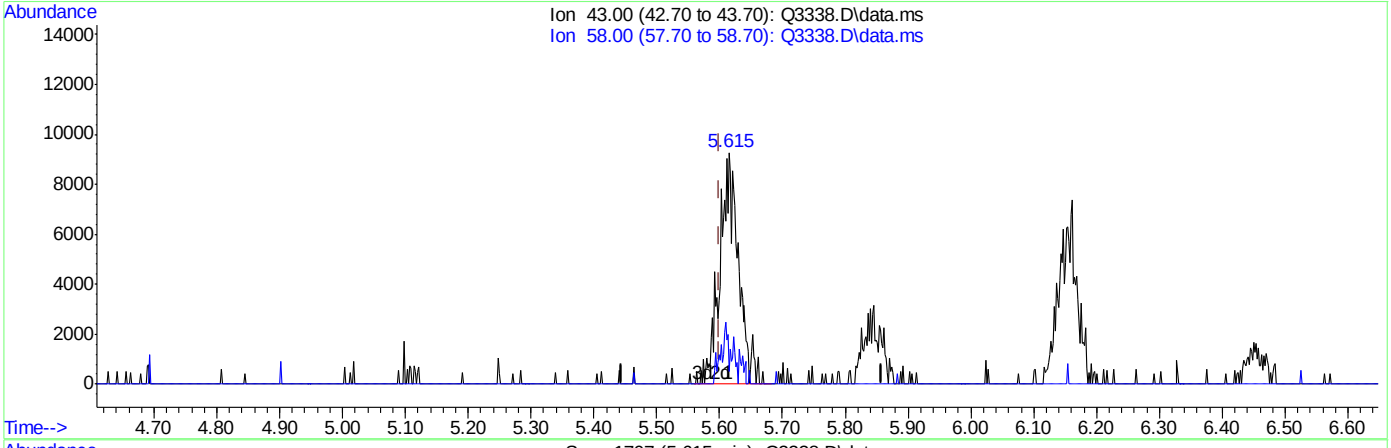
response 11307

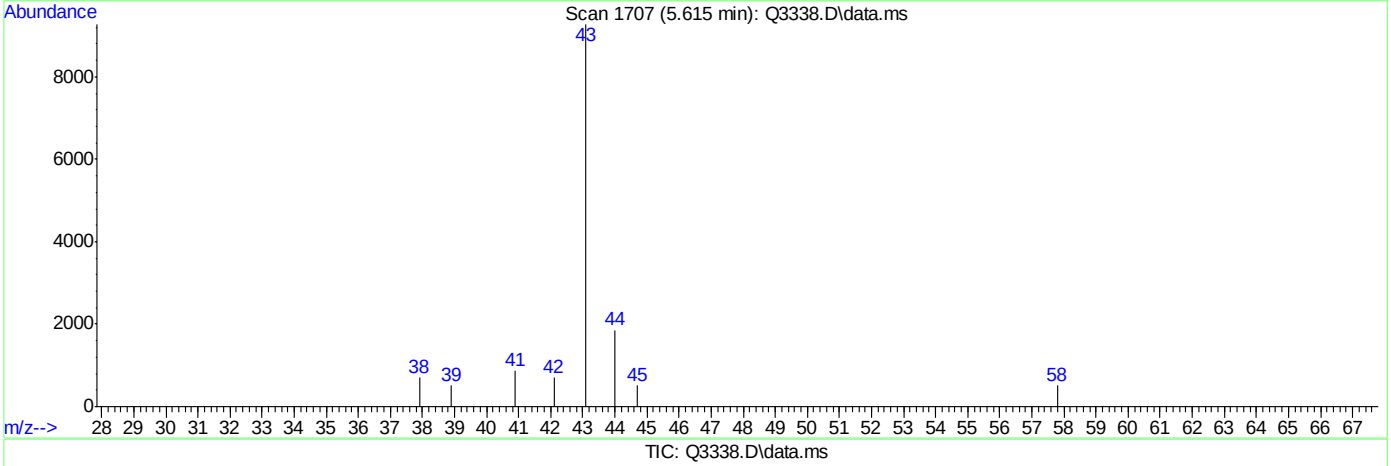
Ion	Exp%	Act%
43.00	100	100
58.00	25.40	30.85
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3338.D
Acq On : 4 May 2007 12:52 pm
Operator : PhilipB
Sample : IC180-.5 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 13:25:53 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 12:28:30 2007
Response via : Initial Calibration





TIC: Q3338.D\data.ms

(12) ACETONE (m)

5.615min (+0.015) 0.94PPBV m

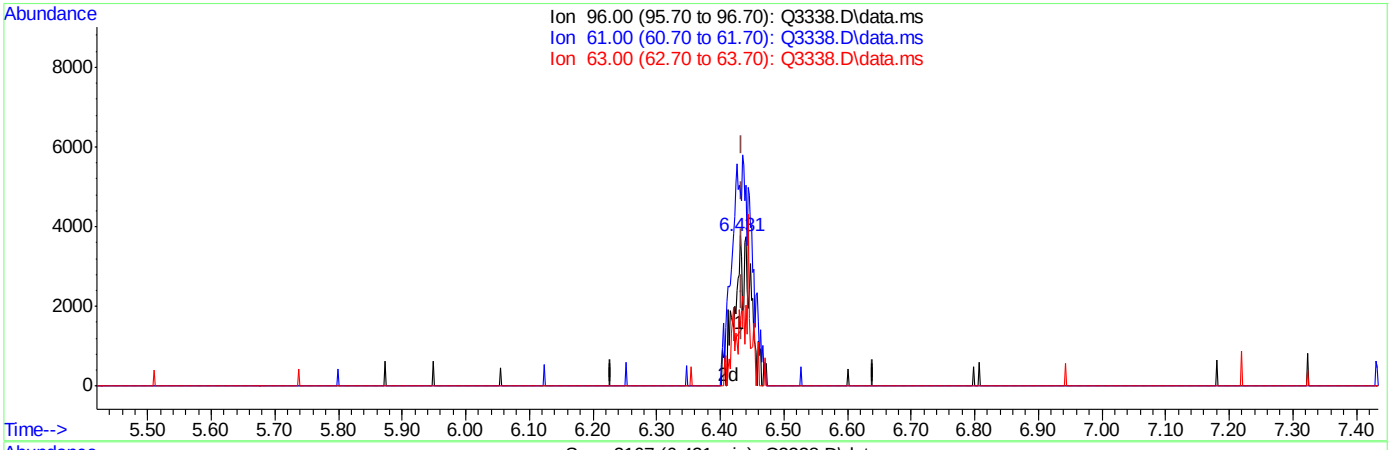
response 19290

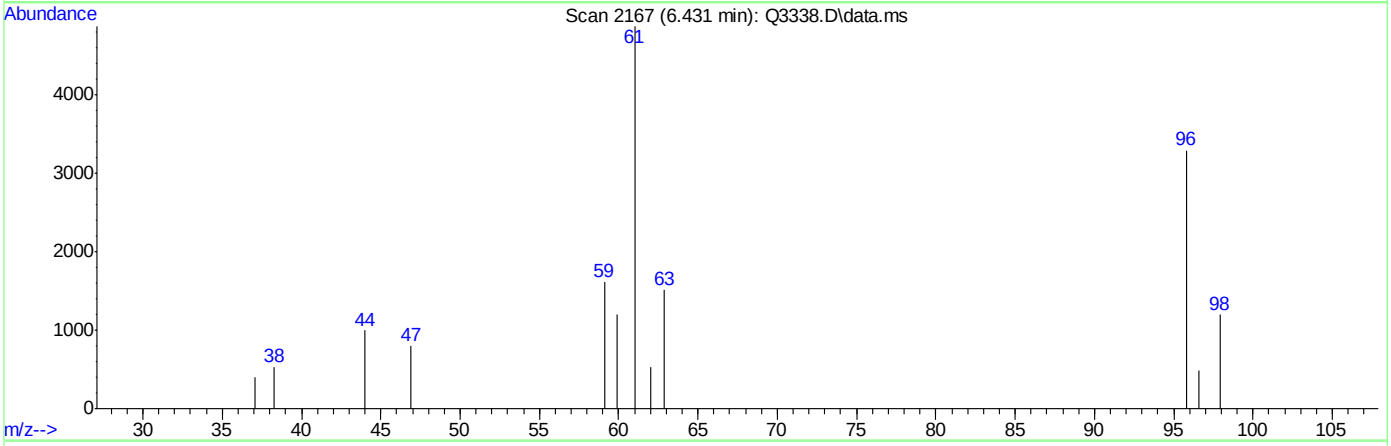
Ion	Exp%	Act%
43.00	100	100
58.00	25.40	18.08
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3338.D
Acq On : 4 May 2007 12:52 pm
Operator : PhilipB
Sample : IC180-.5 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 13:25:53 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 12:28:30 2007
Response via : Initial Calibration





TIC: Q3338.D\data.ms

(14) 1,1-DICHLOROETHYLENE (m)

6.431min (-0.003) 0.10PPBV

response 1081

Ion	Exp%	Act%
96.00	100	100
61.00	167.00	793.34#
63.00	54.40	74.38
0.00	0.00	0.00

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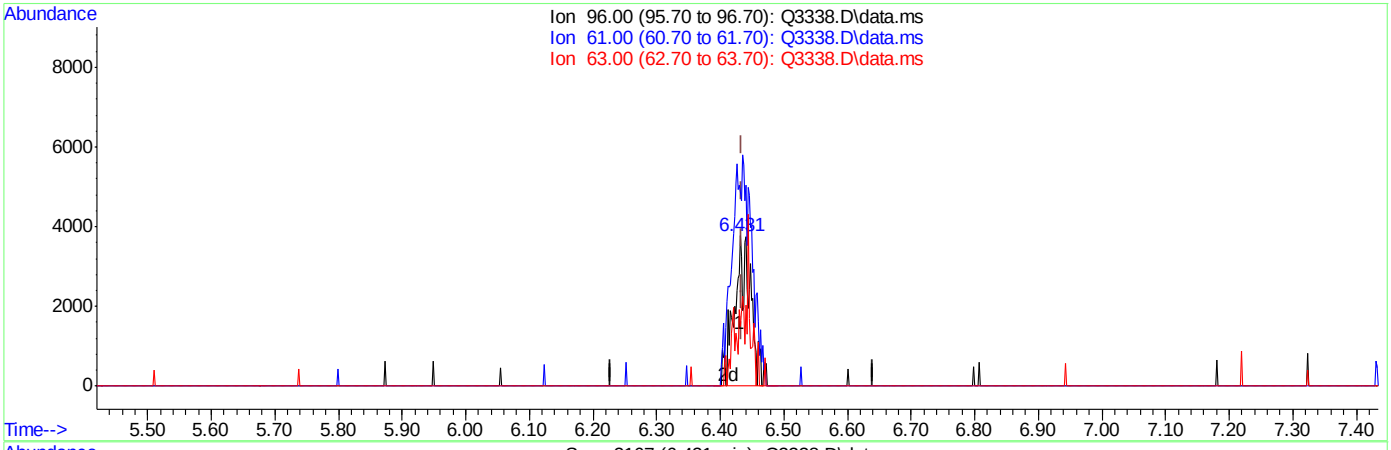
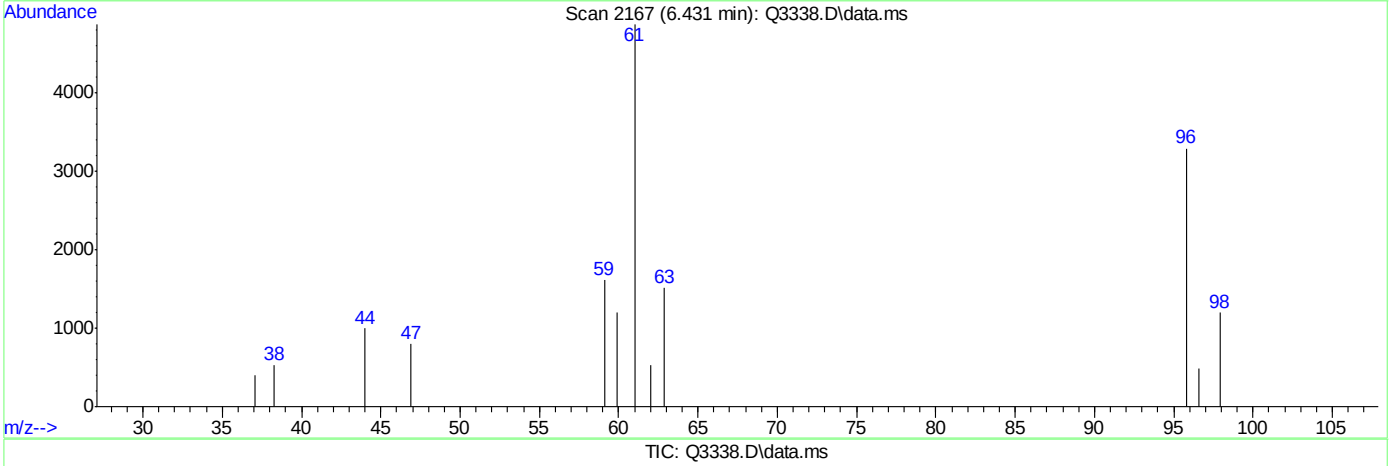
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3338.D
Acq On : 4 May 2007 12:52 pm
Operator : PhilipB
Sample : IC180-.5 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 13:25:53 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 12:28:30 2007
Response via : Initial Calibration





TIC: Q3338.D\data.ms

(14) 1,1-DICHLOROETHYLENE (m)

6.431min (-0.003) 0.61PPBV m

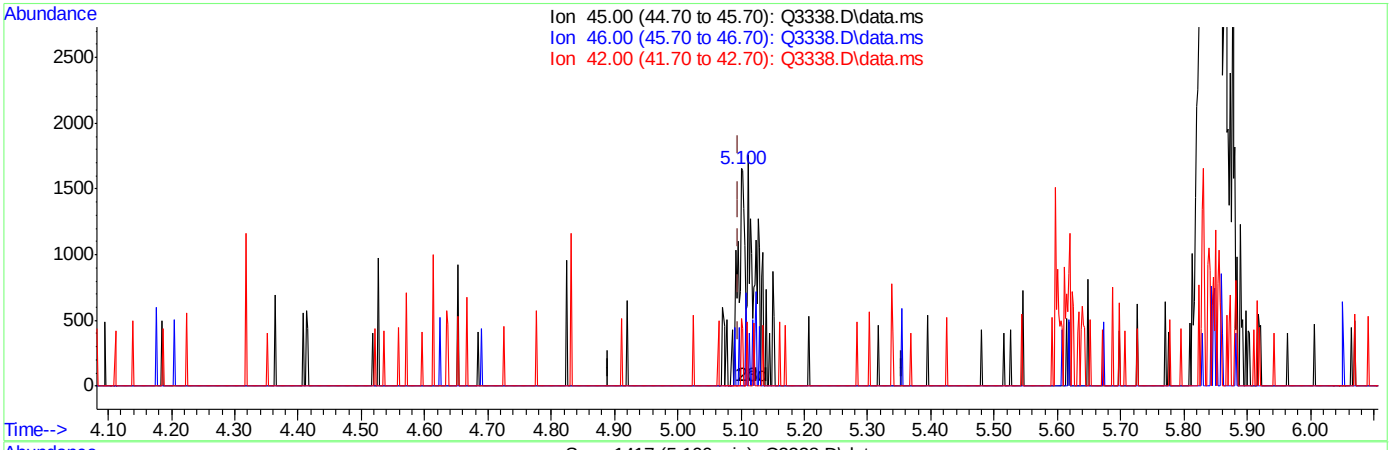
response 6630

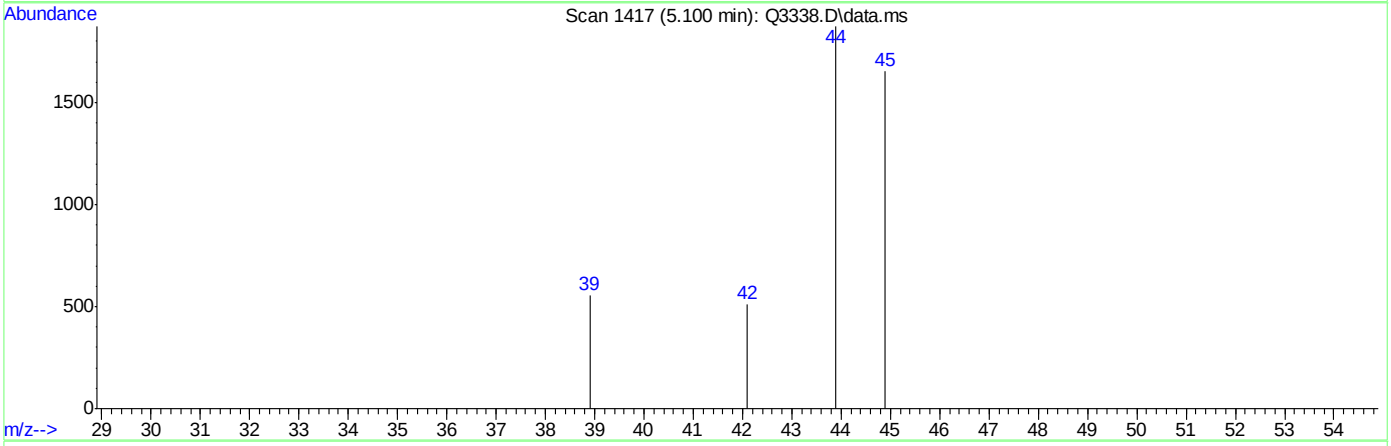
Ion	Exp%	Act%
96.00	100	100
61.00	167.00	129.35#
63.00	54.40	12.13#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3338.D
Acq On : 4 May 2007 12:52 pm
Operator : PhilipB
Sample : IC180-.5 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 13:25:53 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 12:28:30 2007
Response via : Initial Calibration





TIC: Q3338.D\data.ms

(16) ETHANOL (m)

5.100min (+0.003) 0.36PPBV

response 1203

Ion	Exp%	Act%
45.00	100	100
46.00	30.60	7.98#
42.00	4.60	8.40
0.00	0.00	0.00

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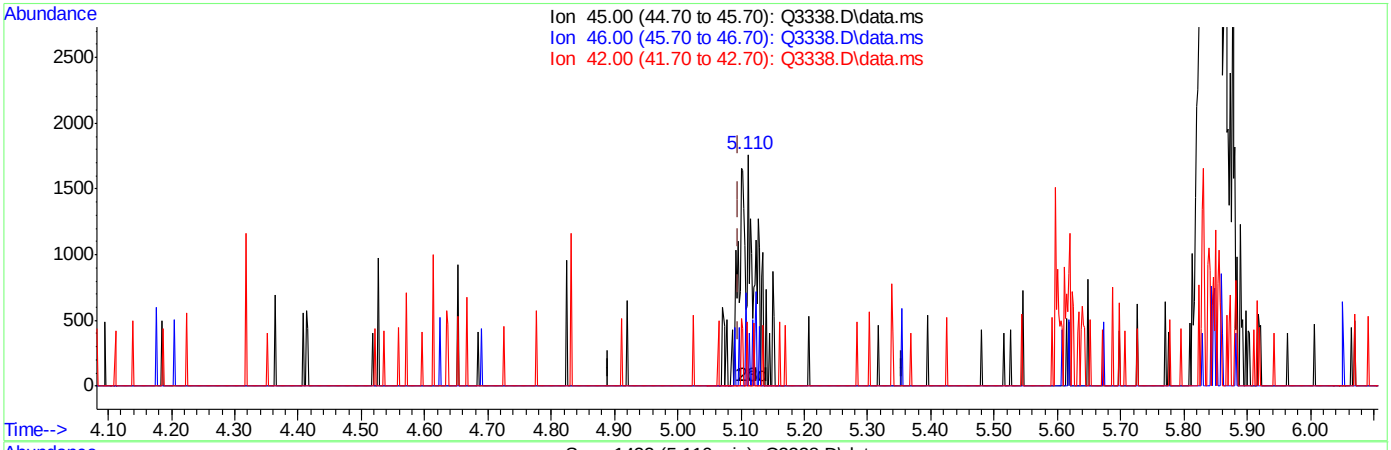
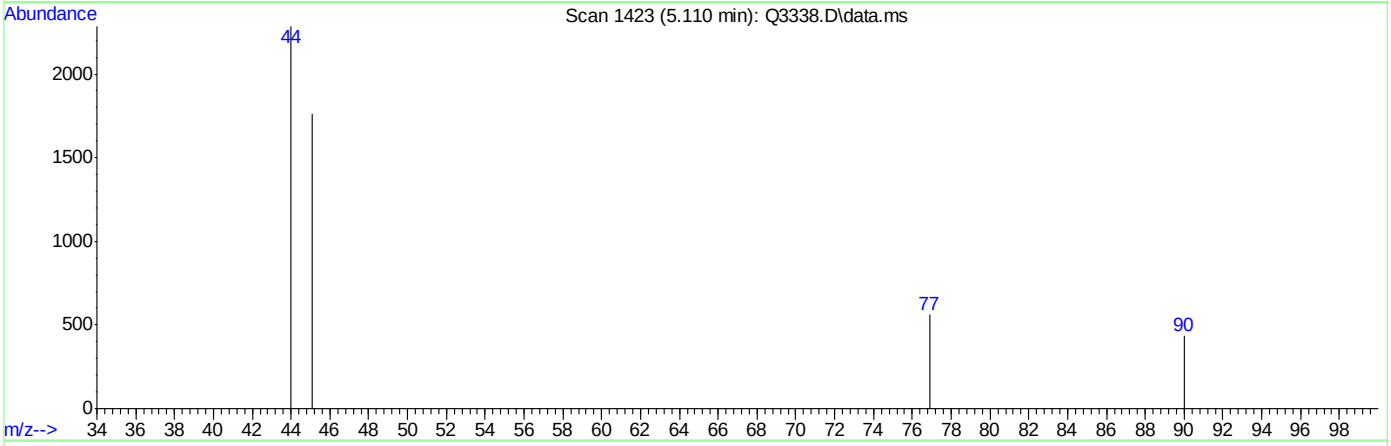
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3338.D
Acq On : 4 May 2007 12:52 pm
Operator : PhilipB
Sample : IC180-.5 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 13:25:53 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 12:28:30 2007
Response via : Initial Calibration





TIC: Q3338.D\data.ms

(16) ETHANOL (m)

5.110min (+0.013) 0.91PPBV m

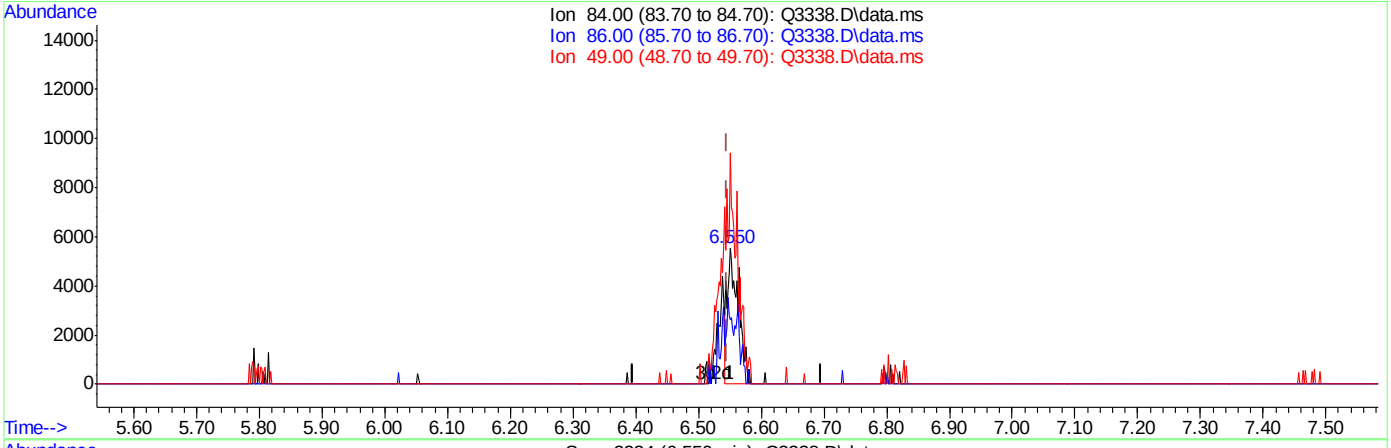
response 3063

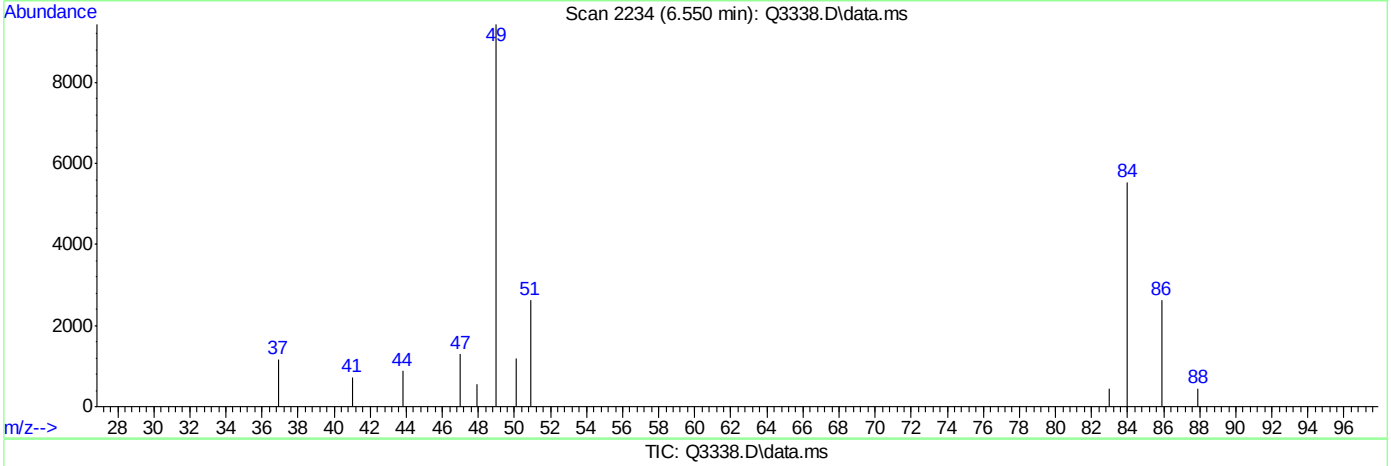
Ion	Exp%	Act%
45.00	100	100
46.00	30.60	3.13#
42.00	4.60	3.30
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3338.D
Acq On : 4 May 2007 12:52 pm
Operator : PhilipB
Sample : IC180-.5 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 13:25:53 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 12:28:30 2007
Response via : Initial Calibration





TIC: Q3338.D\data.ms

(18) METHYLENE CHLORIDE (m)

6.550min (+0.004) 0.40PPBV

response 7068

Ion	Exp%	Act%
84.00	100	100
86.00	65.00	52.99
49.00	118.80	229.54
0.00	0.00	0.00

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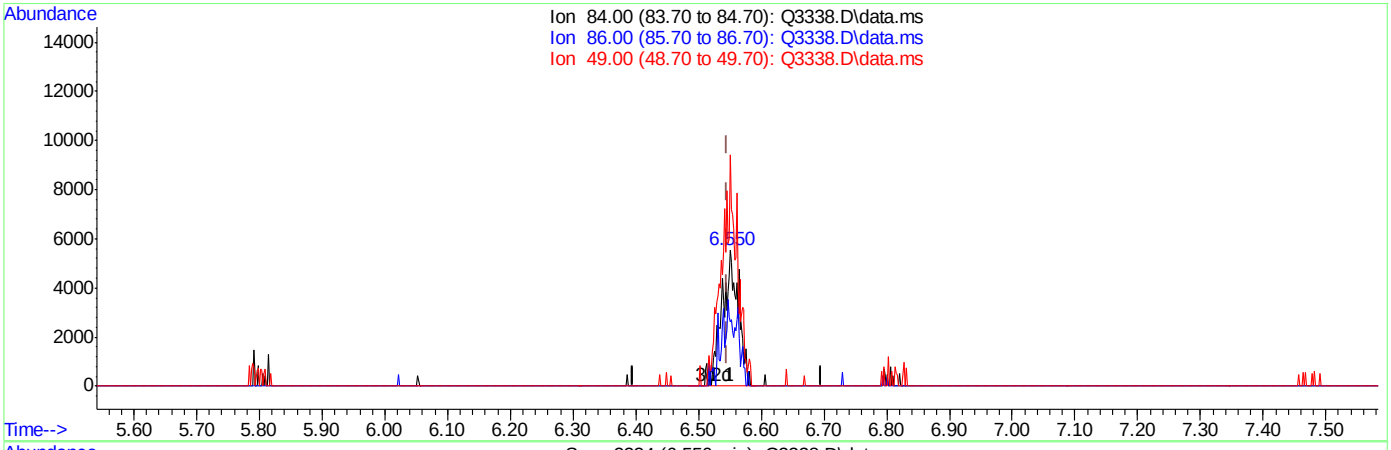
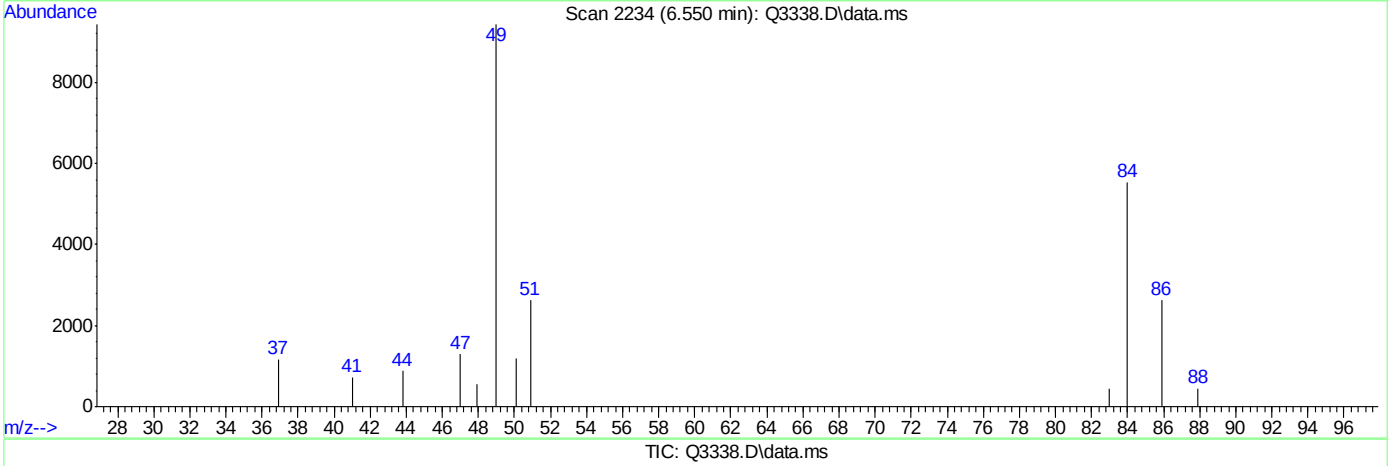
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3338.D
Acq On : 4 May 2007 12:52 pm
Operator : PhilipB
Sample : IC180-.5 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 13:25:53 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 12:28:30 2007
Response via : Initial Calibration





TIC: Q3338.D\data.ms

(18) METHYLENE CHLORIDE (m)

6.550min (+0.004) 0.58PPBV m

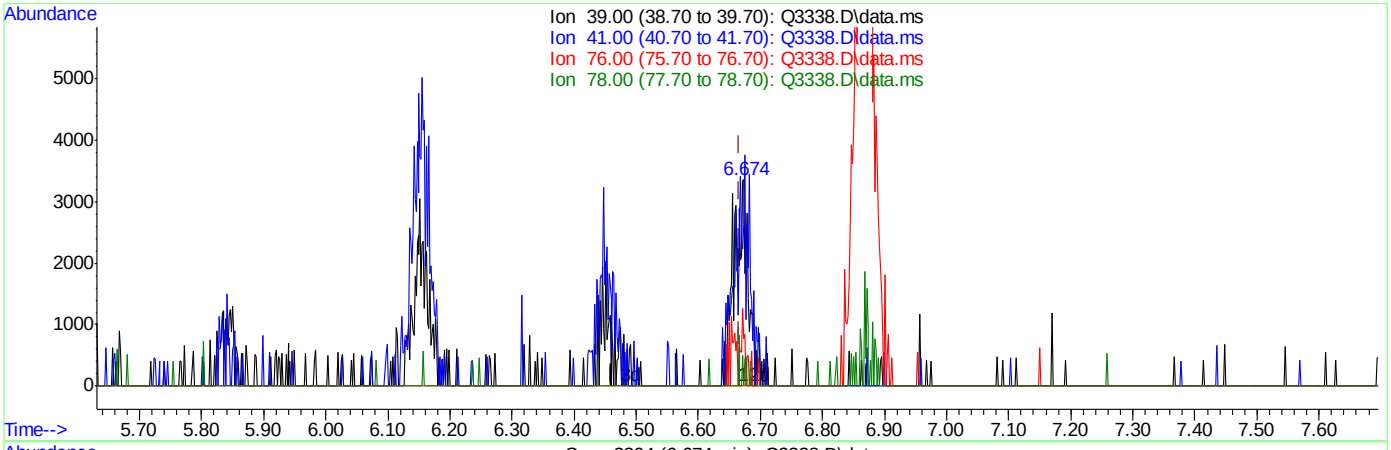
response 10272

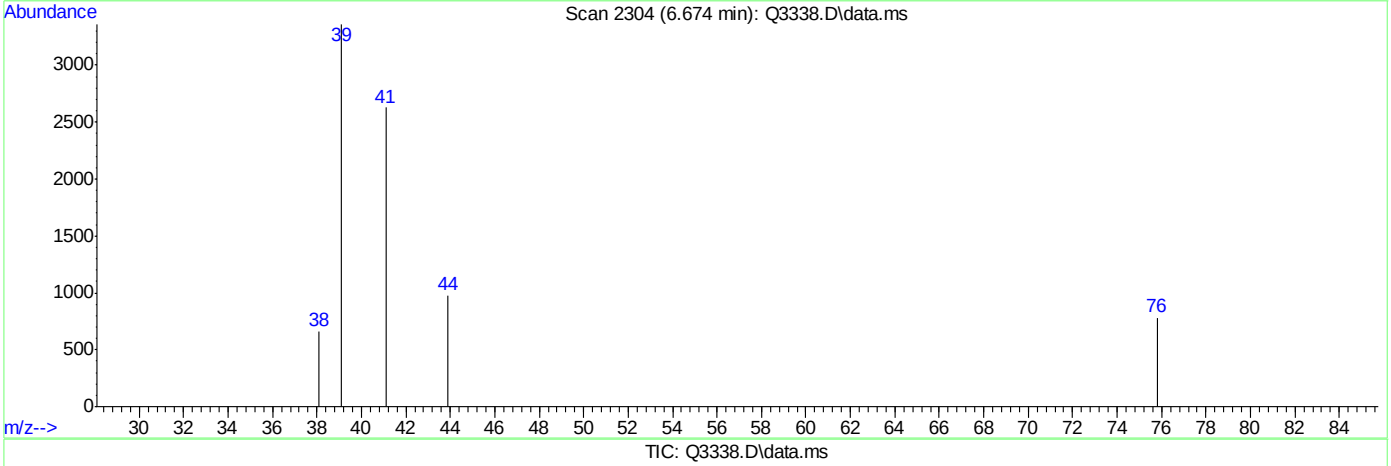
Ion	Exp%	Act%
84.00	100	100
86.00	65.00	36.46#
49.00	118.80	157.94
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3338.D
Acq On : 4 May 2007 12:52 pm
Operator : PhilipB
Sample : IC180-.5 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 13:25:53 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 12:28:30 2007
Response via : Initial Calibration





TIC: Q3338.D\data.ms

(19) 3-CHLOROPROPENE (m)

6.674min (+0.007) 0.39PPBV

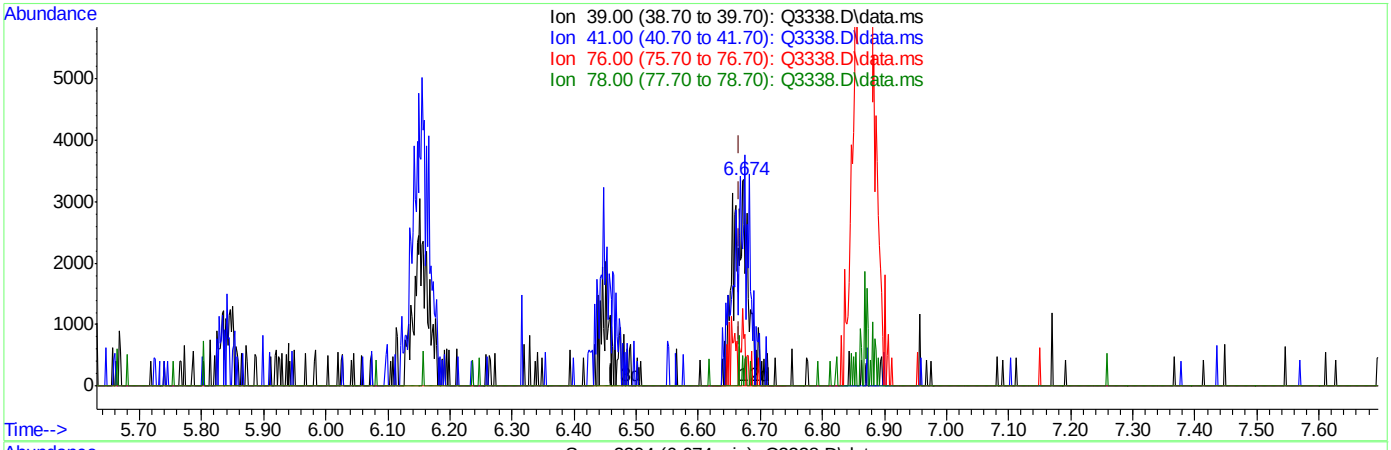
response 5470

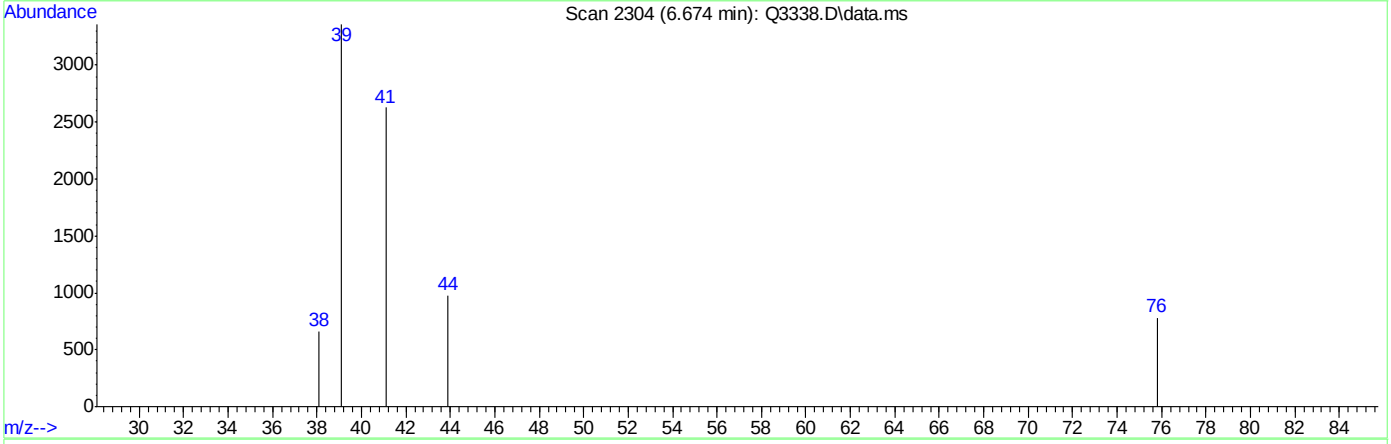
Ion	Exp%	Act%
39.00	100	100
41.00	114.00	65.43#
76.00	46.50	12.12#
78.00	15.30	3.55

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3338.D
Acq On : 4 May 2007 12:52 pm
Operator : PhilipB
Sample : IC180-.5 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 13:25:53 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 12:28:30 2007
Response via : Initial Calibration





TIC: Q3338.D\data.ms

(19) 3-CHLOROPROPENE (m)

6.674min (+0.007) 0.42PPBV m

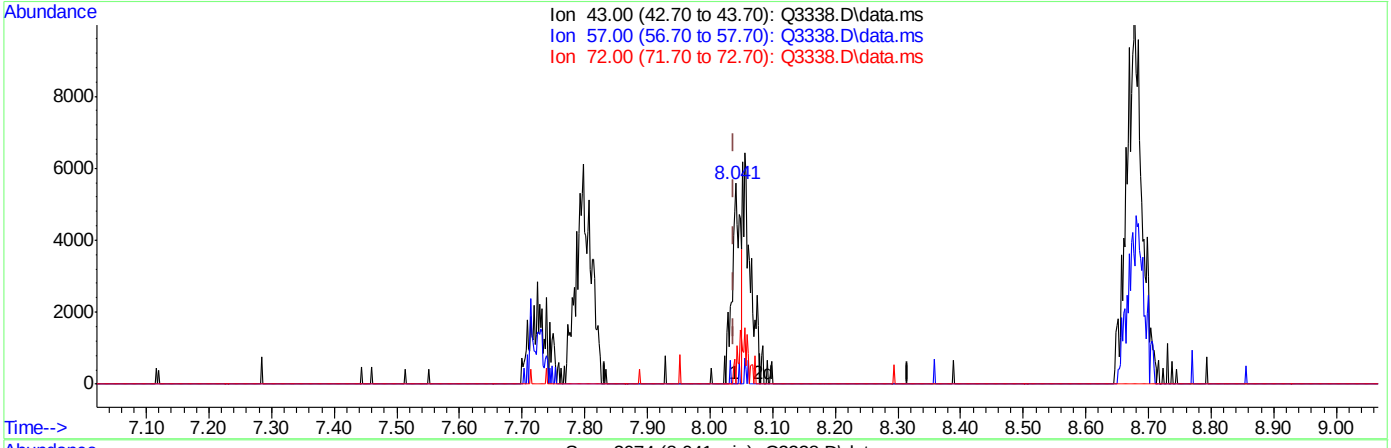
response 5832

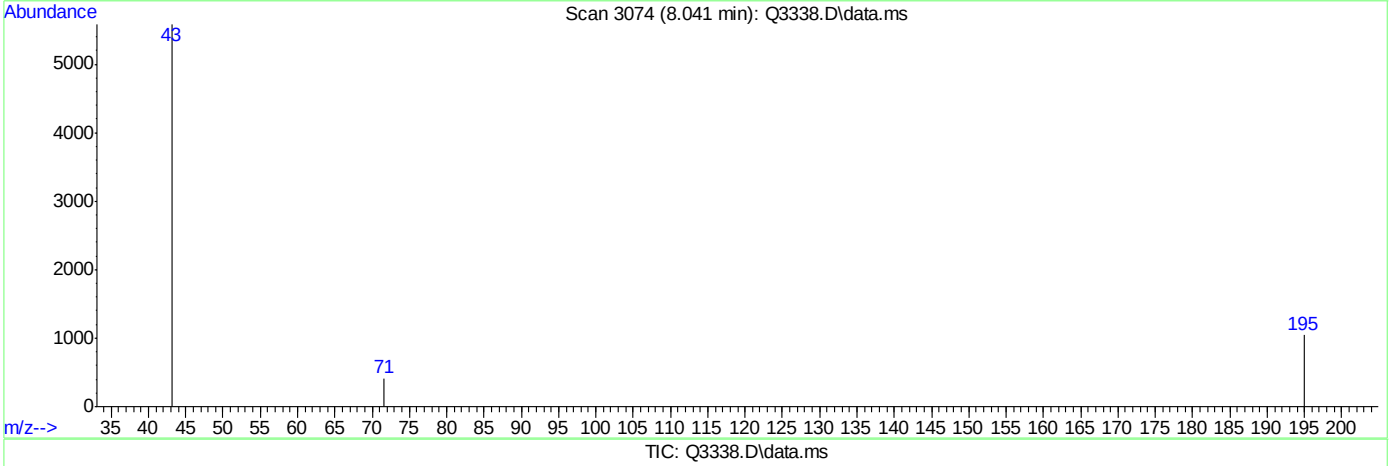
Ion	Exp%	Act%
39.00	100	100
41.00	114.00	61.37#
76.00	46.50	11.37#
78.00	15.30	3.33

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3338.D
Acq On : 4 May 2007 12:52 pm
Operator : PhilipB
Sample : IC180-.5 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 13:25:53 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 12:28:30 2007
Response via : Initial Calibration





TIC: Q3338.D\data.ms

(28) METHYL ETHYL KETONE (m)

8.041min (+0.002) 0.26PPBV

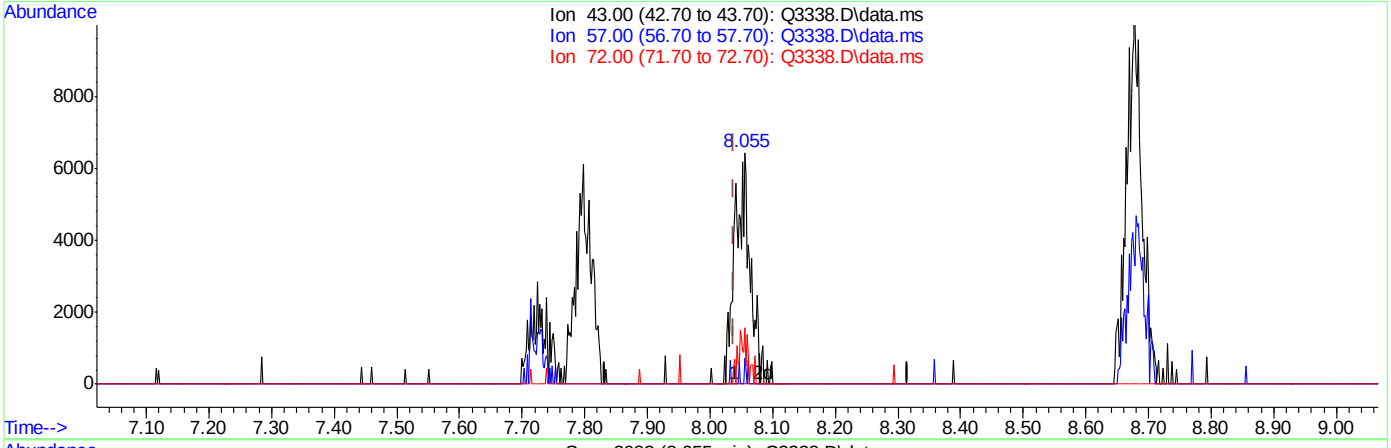
response 5101

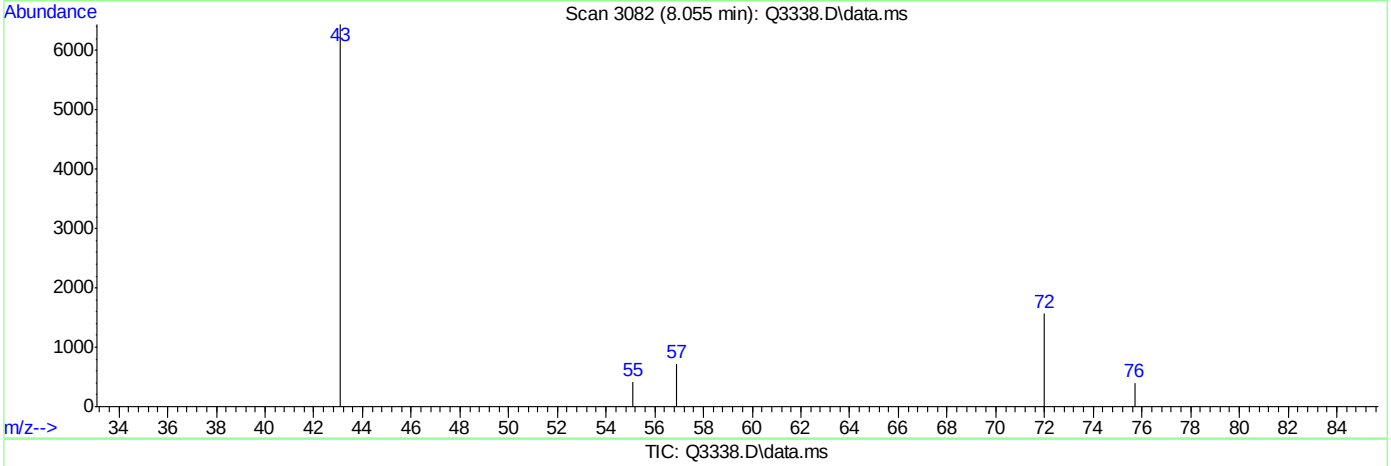
Ion	Exp%	Act%
43.00	100	100
57.00	6.80	0.00
72.00	20.50	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3338.D
Acq On : 4 May 2007 12:52 pm
Operator : PhilipB
Sample : IC180-.5 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 13:25:53 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 12:28:30 2007
Response via : Initial Calibration





TIC: Q3338.D\data.ms

(28) METHYL ETHYL KETONE (m)

8.055min (+0.016) 0.56PPBV m

response 10876

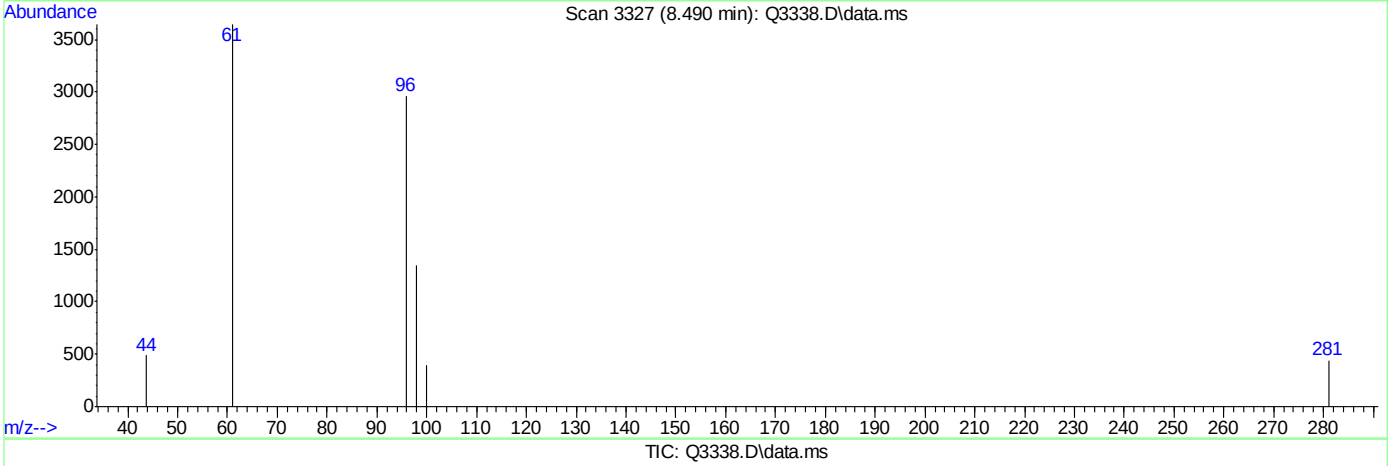
Ion	Exp%	Act%
43.00	100	100
57.00	6.80	11.17
72.00	20.50	24.48
0.00	0.00	0.00

ACCUTEST Laboratories M64809

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3338.D
Acq On : 4 May 2007 12:52 pm
Operator : PhilipB
Sample : IC180-.5 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 13:25:53 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 12:28:30 2007
Response via : Initial Calibration



TIC: Q3338.D\data.ms

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

8.490min (+0.007) 0.22PPBV

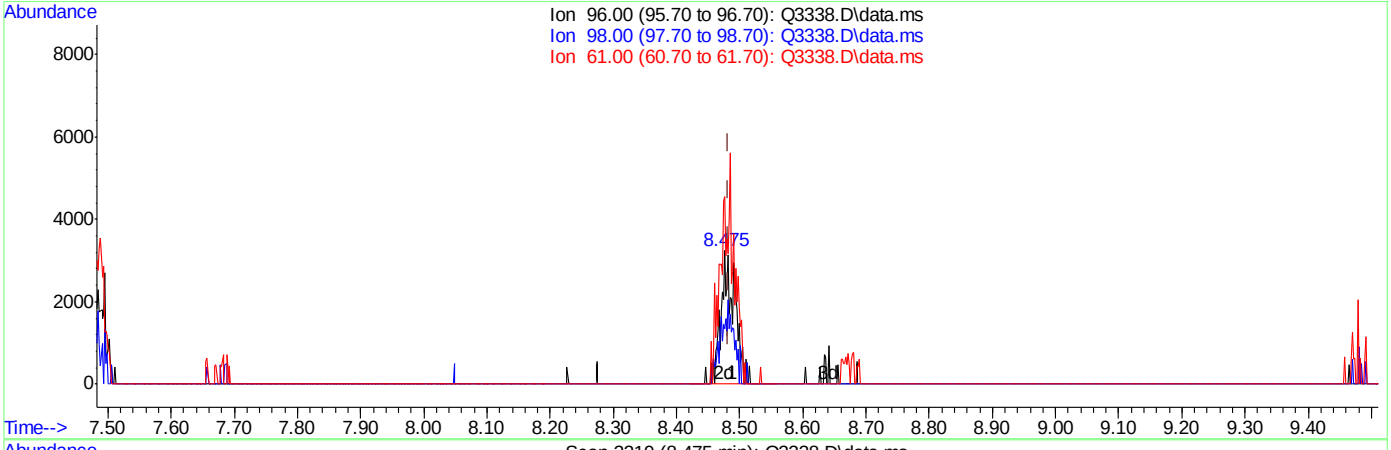
response 2161

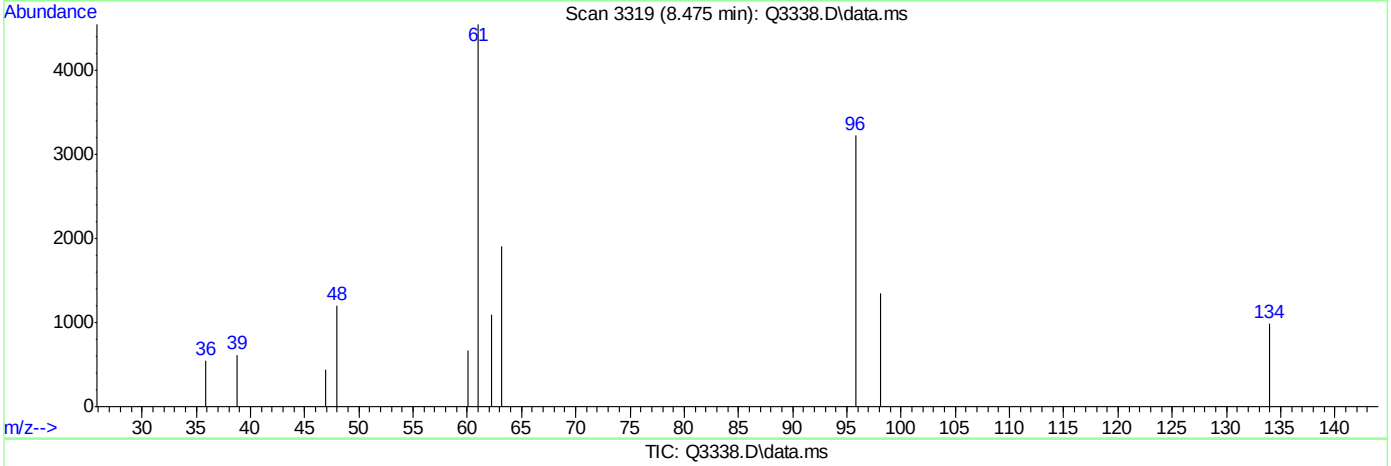
Ion	Exp%	Act%
96.00	100	100
98.00	64.10	134.06#
61.00	148.70	359.88#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3338.D
Acq On : 4 May 2007 12:52 pm
Operator : PhilipB
Sample : IC180-.5 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 13:25:53 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 12:28:30 2007
Response via : Initial Calibration





TIC: Q3338.D\data.ms

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

8.475min (-0.007) 0.51PPBV m

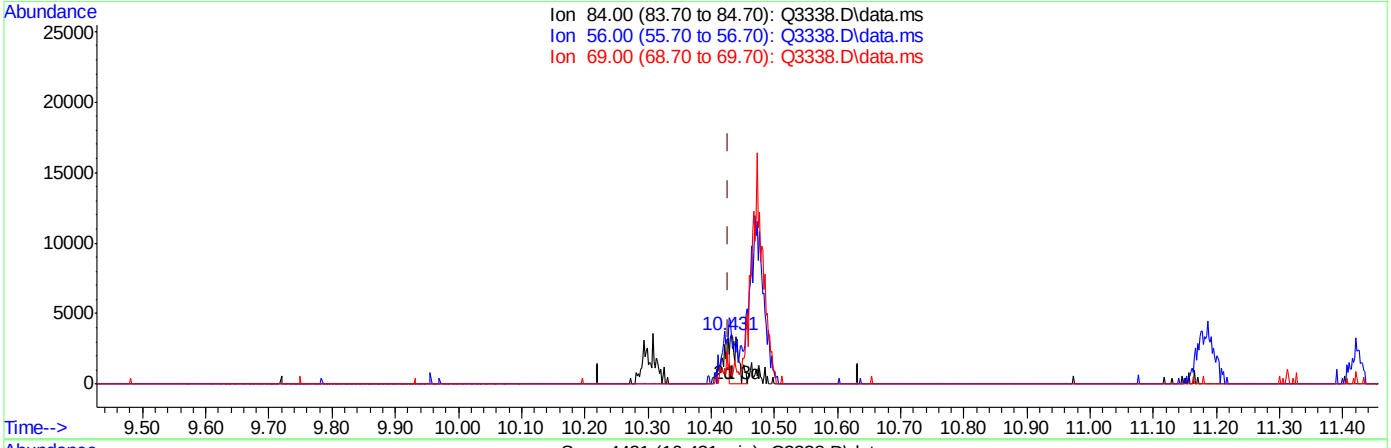
response 4961

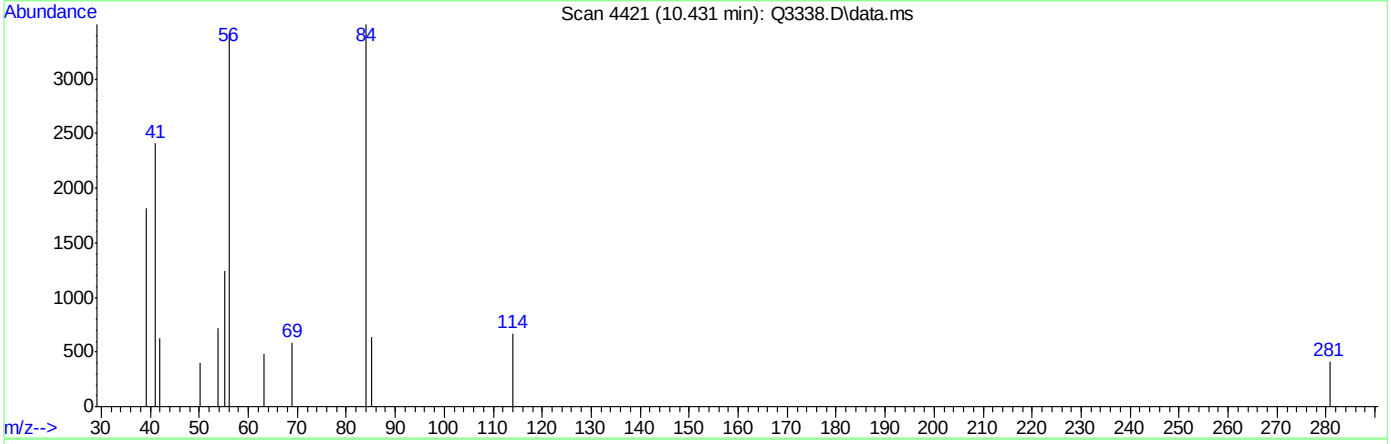
Ion	Exp%	Act%
96.00	100	100
98.00	64.10	58.40
61.00	148.70	156.76
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3338.D
Acq On : 4 May 2007 12:52 pm
Operator : PhilipB
Sample : IC180-.5 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 13:25:53 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 12:28:30 2007
Response via : Initial Calibration





TIC: Q3338.D\data.ms

(37) CYCLOHEXANE (m)

10.431min (+0.004) 0.28PPBV

response 3126

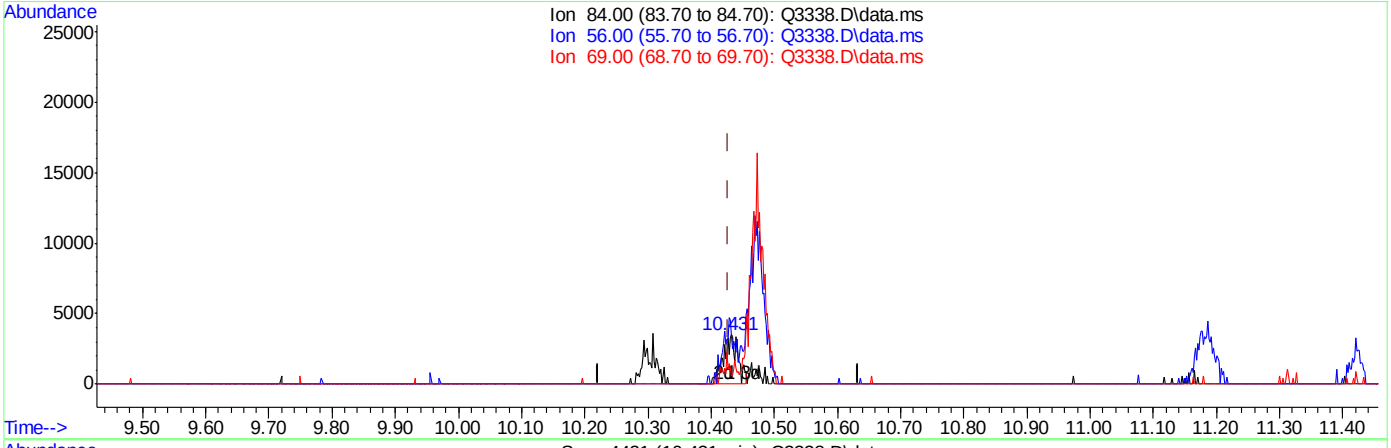
Ion	Exp%	Act%
84.00	100	100
56.00	129.80	184.17#
69.00	38.10	46.07
0.00	0.00	0.00

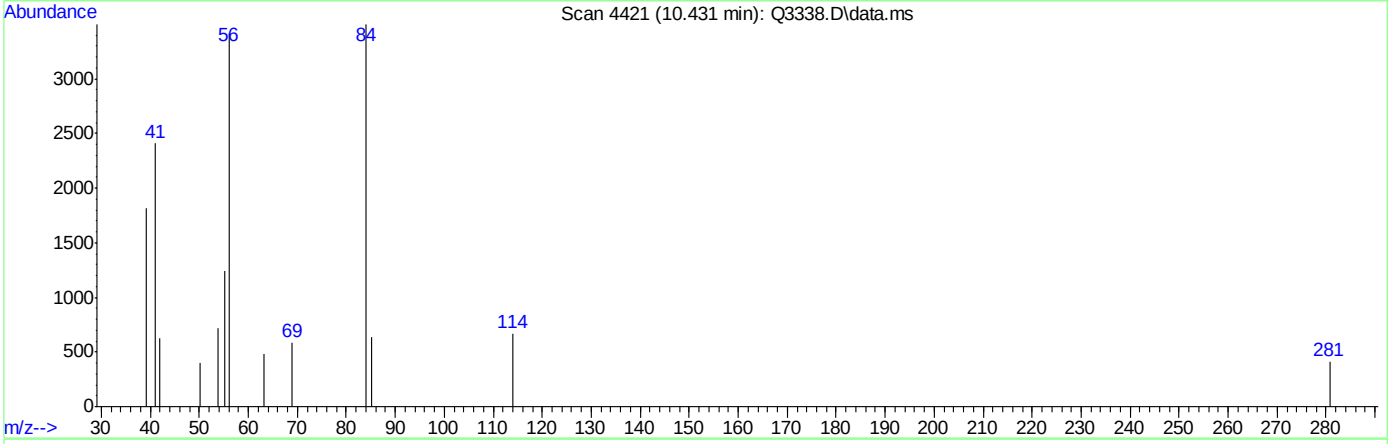
ACCUTEST Laboratories M64809

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3338.D
Acq On : 4 May 2007 12:52 pm
Operator : PhilipB
Sample : IC180-.5 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 13:25:53 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 12:28:30 2007
Response via : Initial Calibration





TIC: Q3338.D\data.ms

(37) CYCLOHEXANE (m)

10.431min (+0.004) 0.50PPBV m

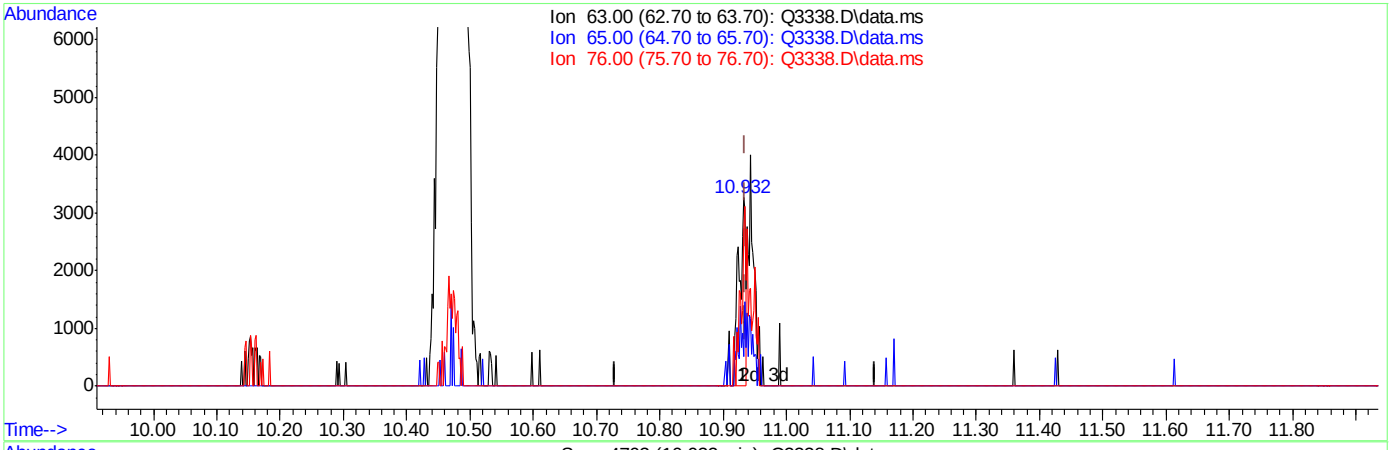
response 5587

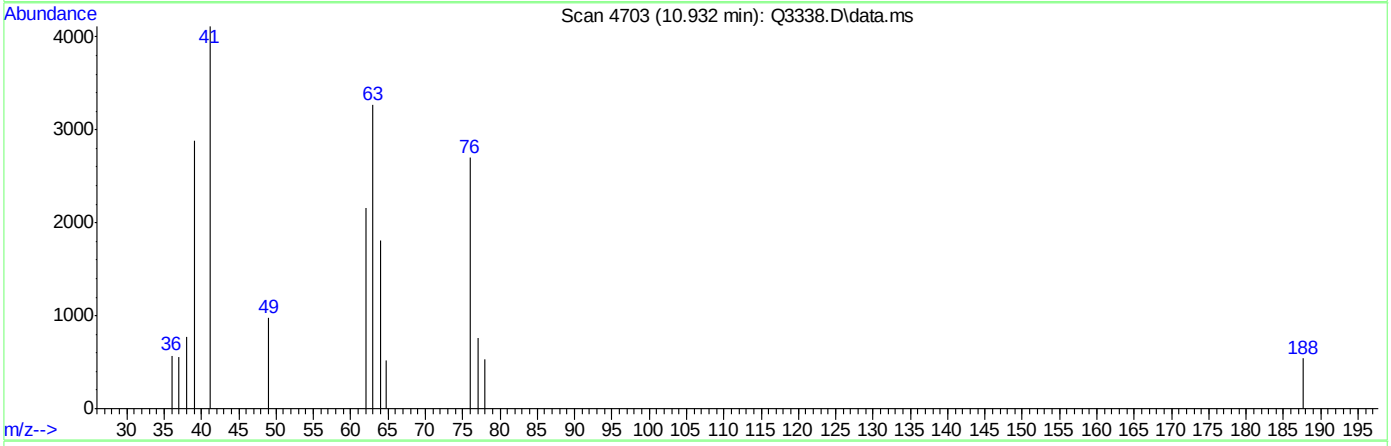
Ion	Exp%	Act%
84.00	100	100
56.00	129.80	103.04#
69.00	38.10	25.77
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3338.D
Acq On : 4 May 2007 12:52 pm
Operator : PhilipB
Sample : IC180-.5 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 13:25:53 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 12:28:30 2007
Response via : Initial Calibration





TIC: Q3338.D\data.ms

(39) 1,2-DICHLOROPROPANE (m)

10.932min (-0.003) 0.25PPBV

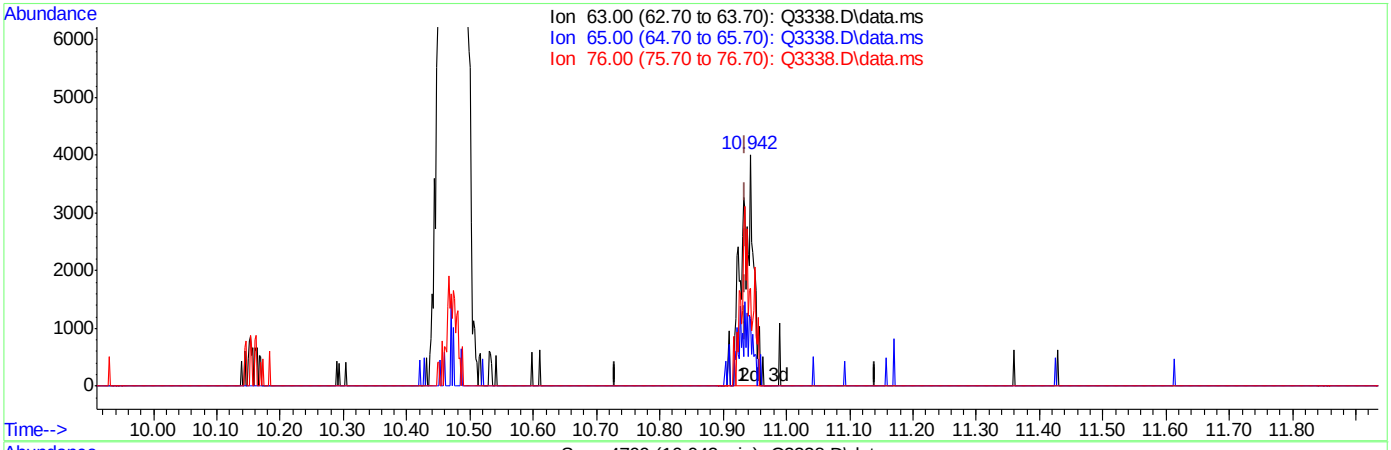
response 2393

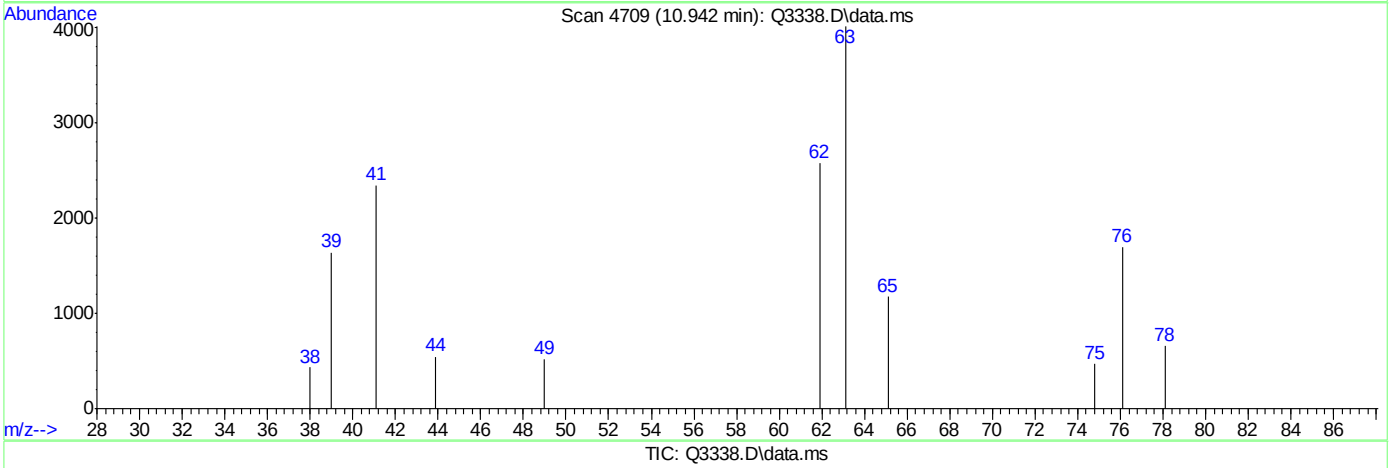
Ion	Exp%	Act%
63.00	100	100
65.00	30.10	29.46
76.00	52.40	89.43#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3338.D
Acq On : 4 May 2007 12:52 pm
Operator : PhilipB
Sample : IC180-.5 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 13:25:53 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 12:28:30 2007
Response via : Initial Calibration





(39) 1,2-DICHLOROPROPANE (m)

10.942min (+0.007) 0.54PPBV m

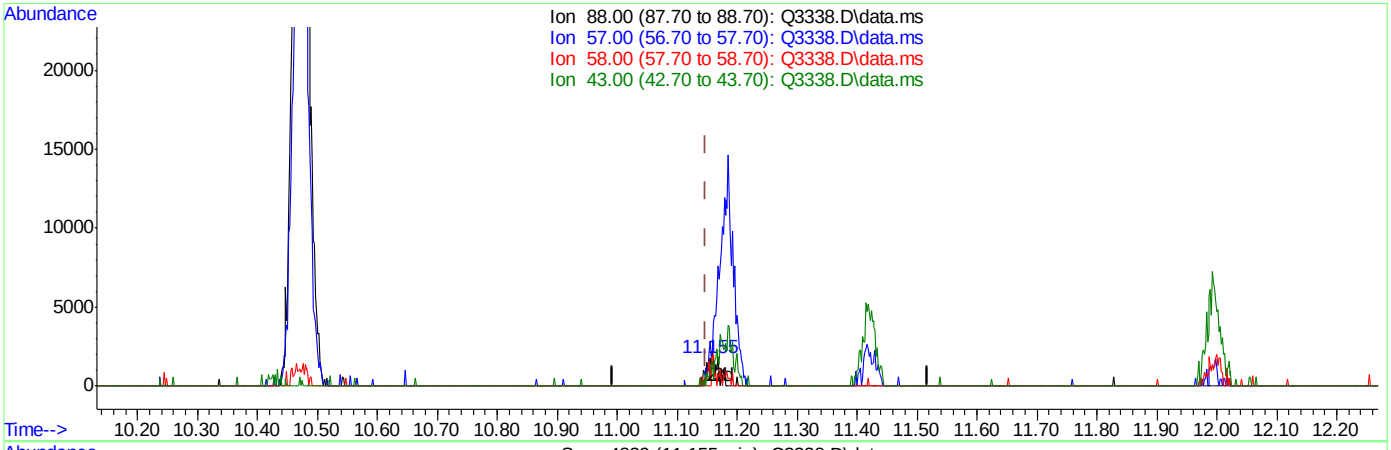
response 5112

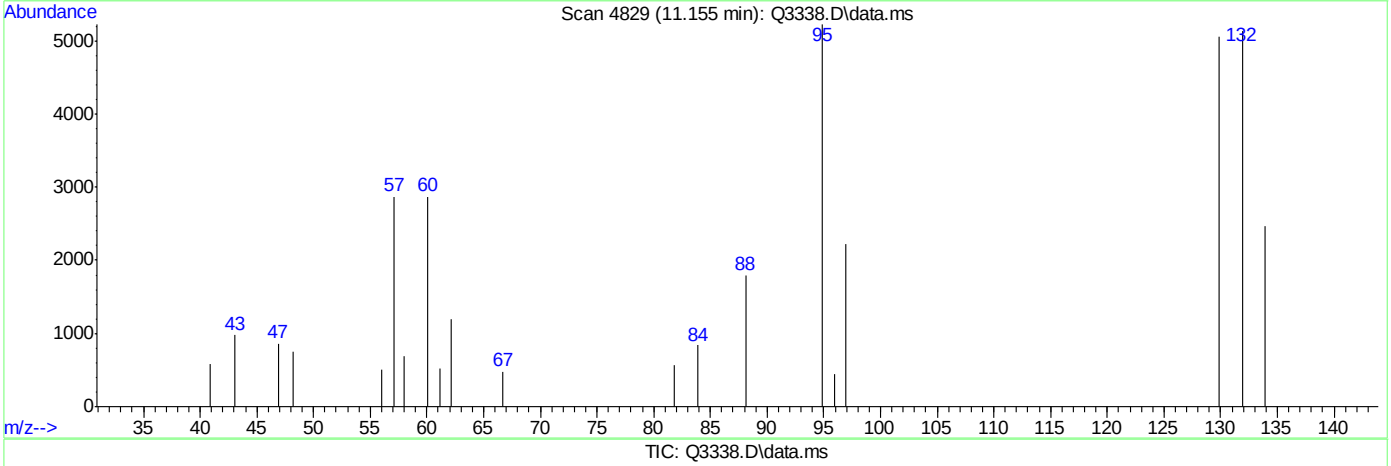
Ion	Exp%	Act%
63.00	100	100
65.00	30.10	13.79
76.00	52.40	41.86
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3338.D
Acq On : 4 May 2007 12:52 pm
Operator : PhilipB
Sample : IC180-.5 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 13:25:53 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 12:28:30 2007
Response via : Initial Calibration





TIC: Q3338.D\data.ms

(42) 1,4-DIOXANE (m)

11.155min (+0.007) 0.22PPBV

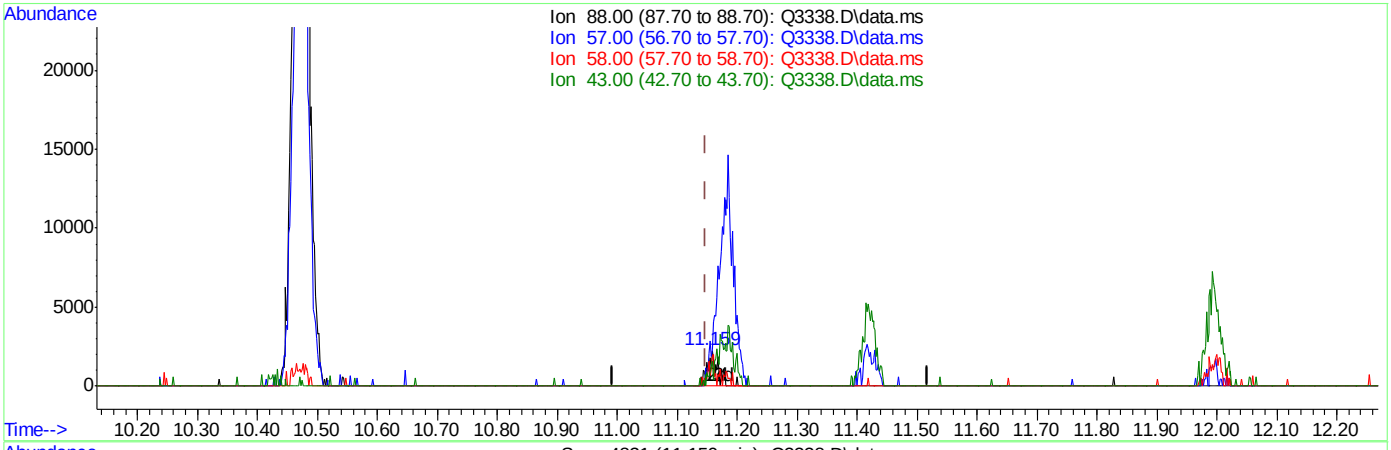
response 1094

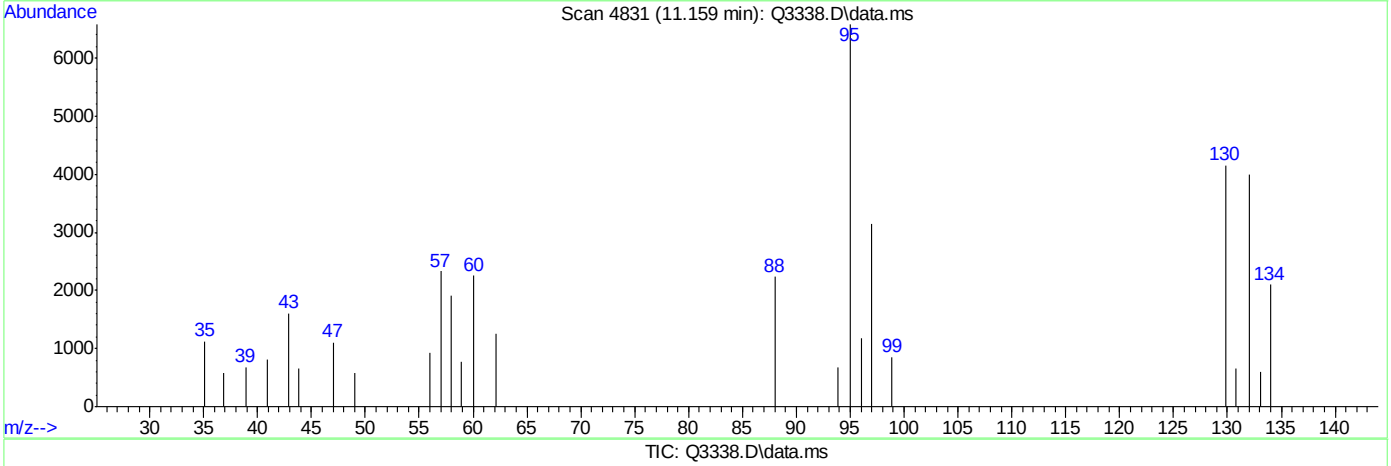
Ion	Exp%	Act%
88.00	100	100
57.00	50.70	159.61#
58.00	57.60	38.83
43.00	37.30	54.48

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3338.D
Acq On : 4 May 2007 12:52 pm
Operator : PhilipB
Sample : IC180-.5 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 13:25:53 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 12:28:30 2007
Response via : Initial Calibration





TIC: Q3338.D\data.ms

(42) 1,4-DIOXANE (m)

11.159min (+0.011) 0.51PPBV m

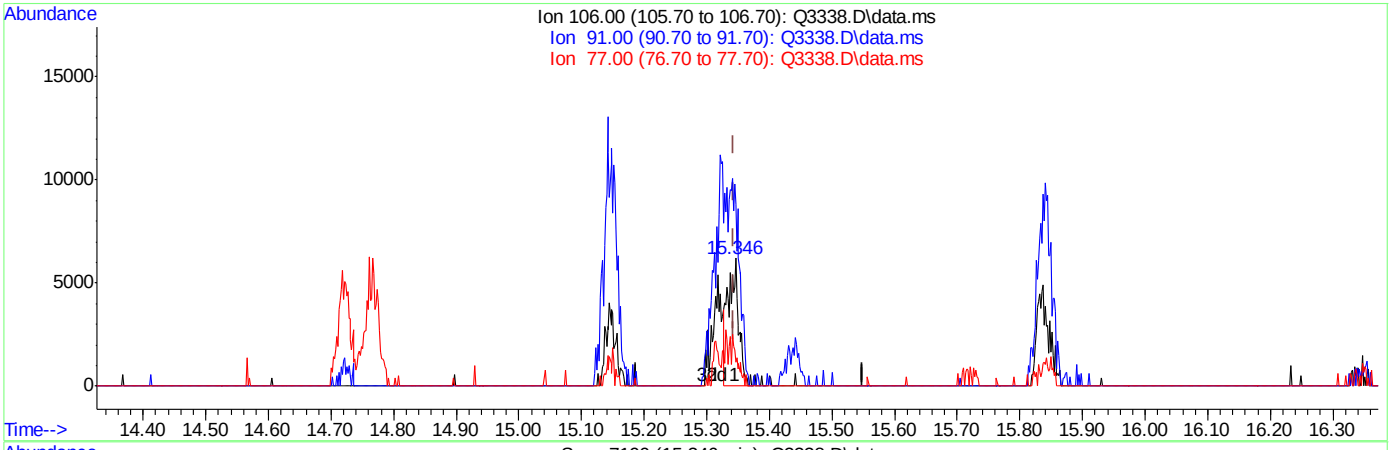
response 2552

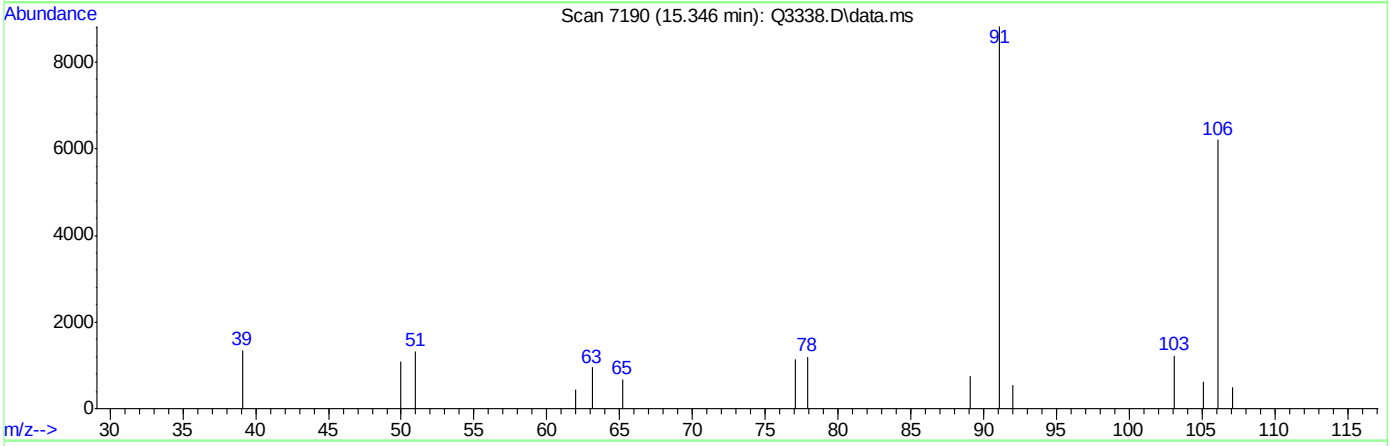
Ion	Exp%	Act%
88.00	100	100
57.00	50.70	104.39#
58.00	57.60	85.66#
43.00	37.30	71.91#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3338.D
Acq On : 4 May 2007 12:52 pm
Operator : PhilipB
Sample : IC180-.5 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 13:25:53 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 12:28:30 2007
Response via : Initial Calibration





TIC: Q3338.D\data.ms

(56) m,p-XYLENE (m)

15.346min (+0.002) 0.49PPBV

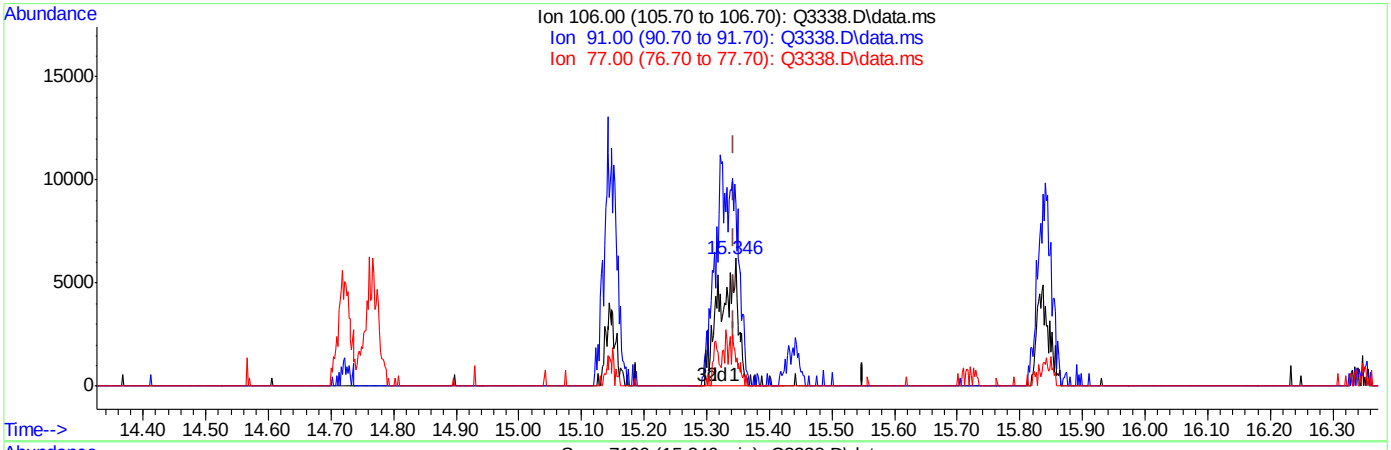
response 7648

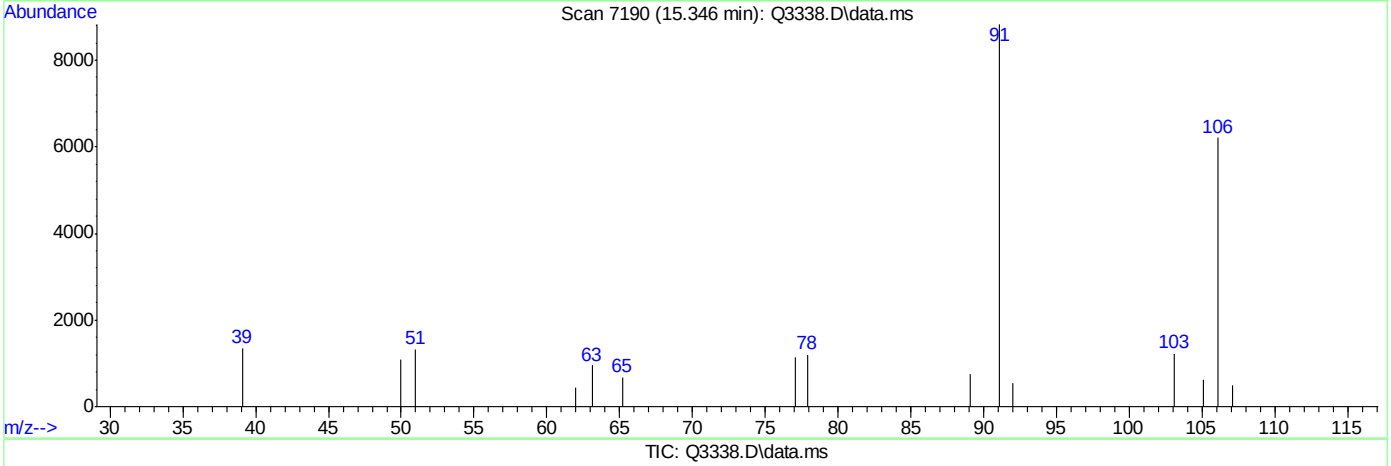
Ion	Exp%	Act%
106.00	100	100
91.00	212.80	142.21#
77.00	31.20	18.45#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3338.D
Acq On : 4 May 2007 12:52 pm
Operator : PhilipB
Sample : IC180-.5 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 13:25:53 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 12:28:30 2007
Response via : Initial Calibration





(56) m,p-XYLENE (m)

15.346min (+0.002) 0.85PPBV m

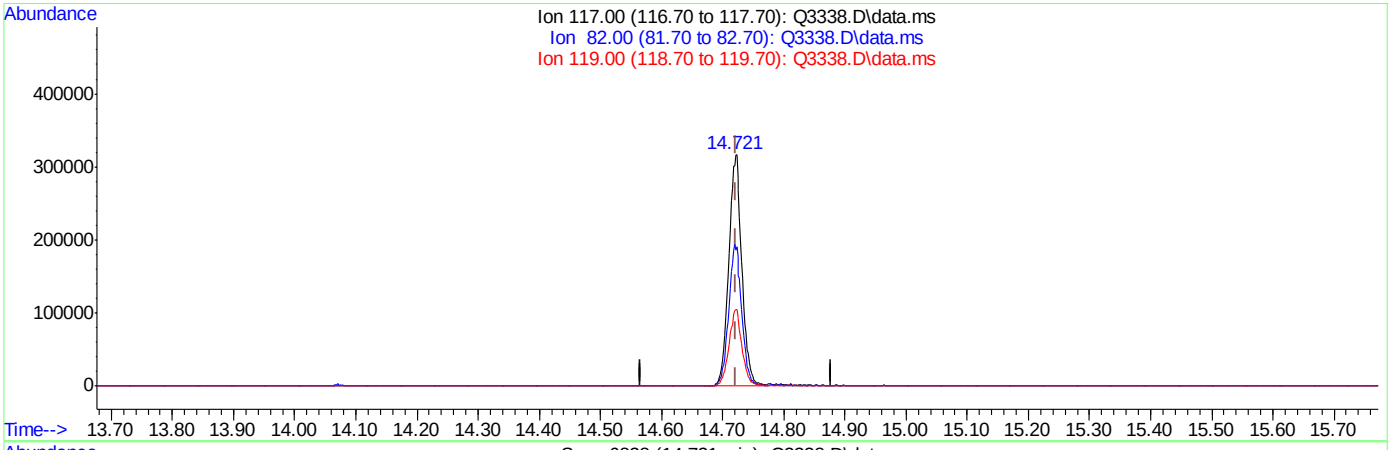
response 13229

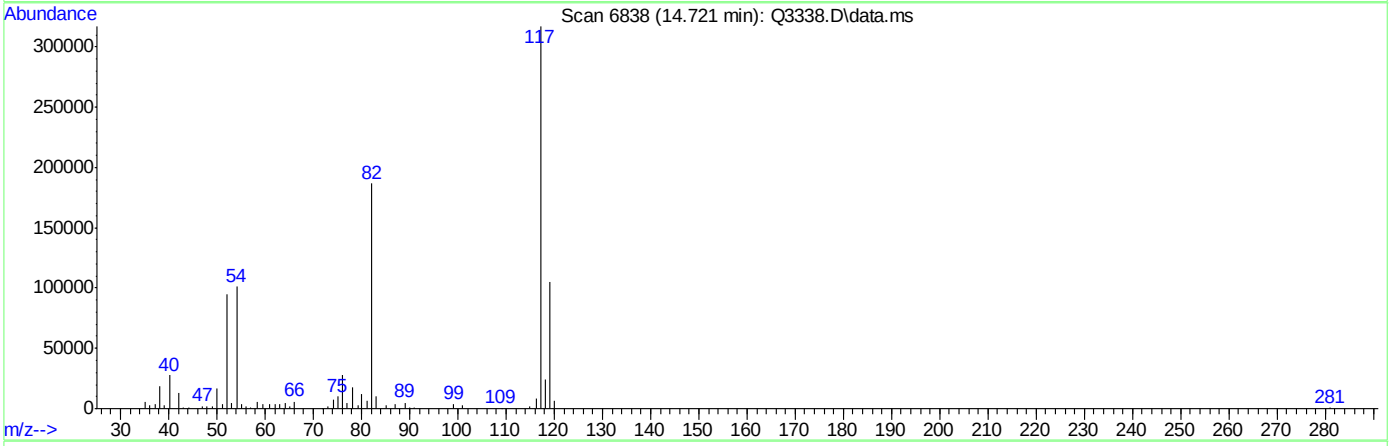
Ion	Exp%	Act%
106.00	100	100
91.00	212.80	142.21#
77.00	31.20	18.45#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3338.D
Acq On : 4 May 2007 12:52 pm
Operator : PhilipB
Sample : IC180-.5 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 13:28:25 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 12:28:30 2007
Response via : Initial Calibration





TIC: Q3338.D\data.ms

(49) CHLOROBENZENE-D5 (I)

14.721min (-0.002) 10.00PPBV

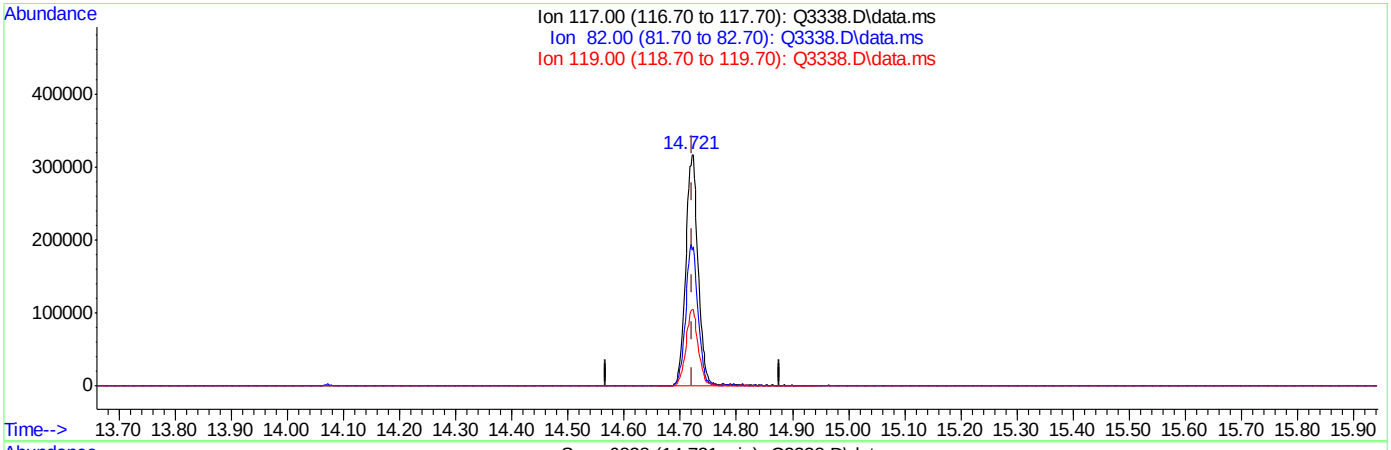
response 484280

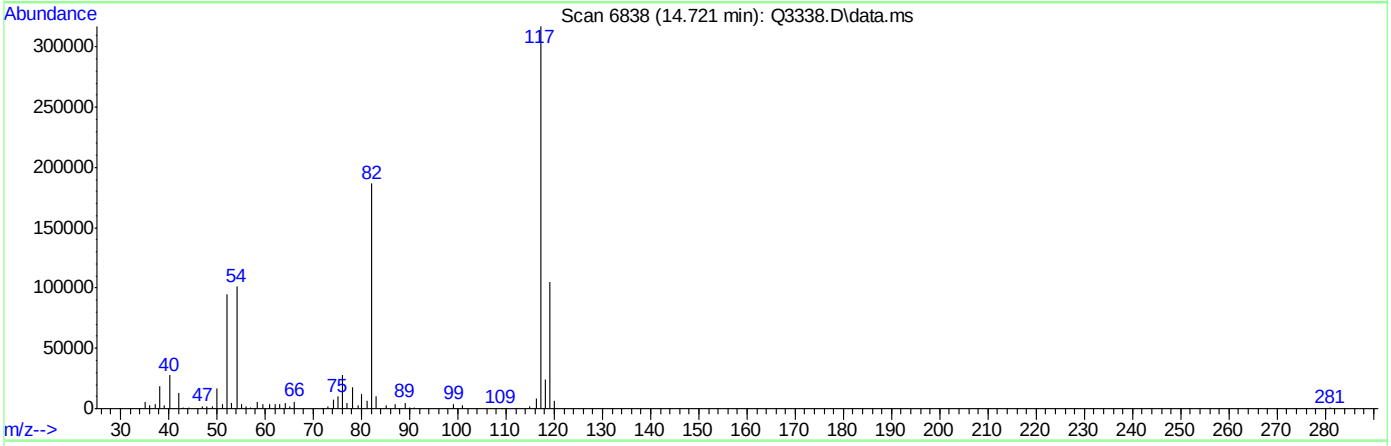
Ion	Exp%	Act%
117.00	100	100
82.00	57.00	60.89
119.00	32.10	33.21
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3338.D
Acq On : 4 May 2007 12:52 pm
Operator : PhilipB
Sample : IC180-.5 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 14:35:09 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 12:28:30 2007
Response via : Initial Calibration





TIC: Q3338.D\data.ms

(49) CHLOROBENZENE-D5 (I)

14.721min (-0.002) 10.00PPBV m

response 497909

Ion	Exp%	Act%
117.00	100	100
82.00	57.00	59.22
119.00	32.10	32.30
0.00	0.00	0.00

Q3339.D

Manual Integrations APPROVED (compounds with "m" flag)

Doug Yargeau 05/21/07 17:26

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3339.D
Acq On : 4 May 2007 2:01 pm
Operator : PhilipB
Sample : IC180-.2 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 14:36:09 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 13:28:38 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.646	128	160379	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.474	114	729774	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.719	117	600663m	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.341	95	210158	4.41	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 88.20%

Target Compounds							Qvalue
2) DICHLORODIFLUOROMETHANE	4.040	85	21549m	0.33	PPBV		
3) PROPYLENE	3.953	41	4043m	0.32	PPBV		
4) FREON 114	4.305	85	18657	0.33	PPBV		87
5) CHLOROMETHANE	4.195	50	5039m	0.36	PPBV		
6) VINYL CHLORIDE	4.420	62	4597m	0.30	PPBV		
7) 1,3-BUTADIENE	4.560	39	4811m	0.31	PPBV		
8) BROMOMETHANE	4.835	94	4727	0.30	PPBV	#	65
9) CHLOROETHANE	5.016	64	1097m	0.19	PPBV		
10) TRICHLOROFLUOROMETHANE	5.792	101	27038	0.36	PPBV		98
11) ISOPROPYL ALCOHOL	5.851	45	11292m	0.42	PPBV		
12) ACETONE	5.615	43	14511	0.48	PPBV		65
13) PENTANE	6.159	42	6901	0.43	PPBV	#	10
14) 1,1-DICHLOROETHYLENE	6.436	96	5544	0.39	PPBV	#	67
15) CARBON DISULFIDE	6.864	76	16496m	0.39	PPBV		
16) ETHANOL	5.096	45	1962m	0.40	PPBV		
17) BROMOETHENE	5.377	106	5294m	0.33	PPBV		
18) METHYLENE CHLORIDE	6.553	84	11755	0.51	PPBV	#	49
19) 3-CHLOROPROPENE	6.665	39	5778m	0.33	PPBV		
20) FREON 113	6.816	151	14267	0.45	PPBV	#	62
21) TRANS-1,2-DICHLOROETHY...	7.480	96	4189	0.32	PPBV		94
22) TERTIARY BUTYL ALCOHOL	6.461	59	8317	0.29	PPBV		98
23) METHYL TERTIARY BUTYL ...	7.728	73	5692	0.19	PPBV		74
24) TETRAHYDROFURAN	9.164	42	1836m	0.15	PPBV		
25) HEXANE	8.680	57	6654	0.31	PPBV	#	26
26) VINYL ACETATE	7.805	43	5312	0.19	PPBV	#	82
27) 1,1-DICHLOROETHANE	7.673	63	7240	0.28	PPBV	#	66
28) METHYL ETHYL KETONE	8.066	43	6170m	0.24	PPBV		
29) cis-1,2-DICHLOROETHYLENE	8.481	96	3033m	0.24	PPBV		
30) ETHYL ACETATE	8.673	43	11476	0.26	PPBV	#	94
31) CHLOROFORM	8.763	83	10431	0.29	PPBV	#	67
32) 1,1,1-TRICHLOROETHANE	9.714	97	10758	0.28	PPBV		98
33) CARBON TETRACHLORIDE	10.304	117	12719	0.28	PPBV		89
34) 1,2-DICHLOROETHANE	9.476	62	5667m	0.26	PPBV		
36) BENZENE	10.167	78	9184m	0.29	PPBV		
37) CYCLOHEXANE	10.430	84	2489	0.18	PPBV	#	69
38) TRICHLOROETHYLENE	11.155	95	5111	0.26	PPBV		93
39) 1,2-DICHLOROPROPANE	10.935	63	2751	0.23	PPBV	#	56
40) BROMODICHLOROMETHANE	11.115	83	7790	0.24	PPBV	#	58
41) 2,2,4-TRIMETHYLPENTANE	11.182	57	11732	0.21	PPBV		91
43) HEPTANE	11.422	43	3944	0.18	PPBV		89
44) METHYL ISOBUTYL KETONE	12.000	43	4835	0.17	PPBV		71

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3339.D
Acq On : 4 May 2007 2:01 pm
Operator : PhilipB
Sample : IC180-.2 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 14:36:09 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 13:28:38 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
45) cis-1,3-DICHLOROPROPENE	11.979	75	4054	0.22 PPBV #	51
46) TOLUENE	12.936	92	4561	0.22 PPBV	88
47) trans-1,3-DICHLOROPROPENE	12.478	75	2089m	0.16 PPBV	
48) 1,1,2-TRICHLOROETHANE	12.659	83	3250	0.17 PPBV #	80
50) 2-HEXANONE	13.170	43	3404	0.15 PPBV #	56
51) TETRACHLOROETHYLENE	14.070	164	3918	0.22 PPBV	84
52) DIBROMOCHLOROMETHANE	13.365	129	6477	0.21 PPBV #	80
53) 1,2-DIBROMOETHANE	13.619	107	4816	0.21 PPBV #	99
54) CHLOROBENZENE	14.776	112	7323m	0.24 PPBV	
55) ETHYLBENZENE	15.147	91	8899	0.18 PPBV	69
56) m,p-XYLENE	15.339	106	6506m	0.35 PPBV	
57) o-XYLENE	15.841	106	2967	0.16 PPBV #	47
58) STYRENE	15.720	104	2183	0.10 PPBV	89
59) NONANE	16.040	43	4638	0.15 PPBV #	80
60) BROMOFORM	15.436	173	4228	0.16 PPBV #	79
62) 1,1,2,2-TETRACHLOROETHANE	15.825	83	8648	0.26 PPBV	88
63) ISOPROPYLBENZENE	16.482	105	9646	0.14 PPBV	89
64) 2-CHLOROTOLUENE	17.035	91	7471	0.18 PPBV	82
65) 4-ETHYLTOLUENE	17.227	105	5412	0.12 PPBV #	90
66) 1,3,5-TRIMETHYLBENZENE	17.314	105	8057m	0.17 PPBV	
67) 1,2,4-TRIMETHYLBENZENE	17.770	105	5925	0.13 PPBV #	63
68) m-DICHLOROBENZENE	17.956	146	4726m	0.18 PPBV	
69) BENZYL CHLORIDE	17.928	91	2937m	0.13 PPBV	
70) p-DICHLOROBENZENE	18.034	146	3791	0.16 PPBV	93
71) o-DICHLOROBENZENE	18.414	146	6566	0.24 PPBV #	65
72) HEXACHLOROBUTADIENE	20.817	225	9219	0.69 PPBV	95
73) 1,2,4-TRICHLOROBENZENE	20.324	180	2414	0.44 PPBV #	73

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

Quantitation Report (QT Reviewed)

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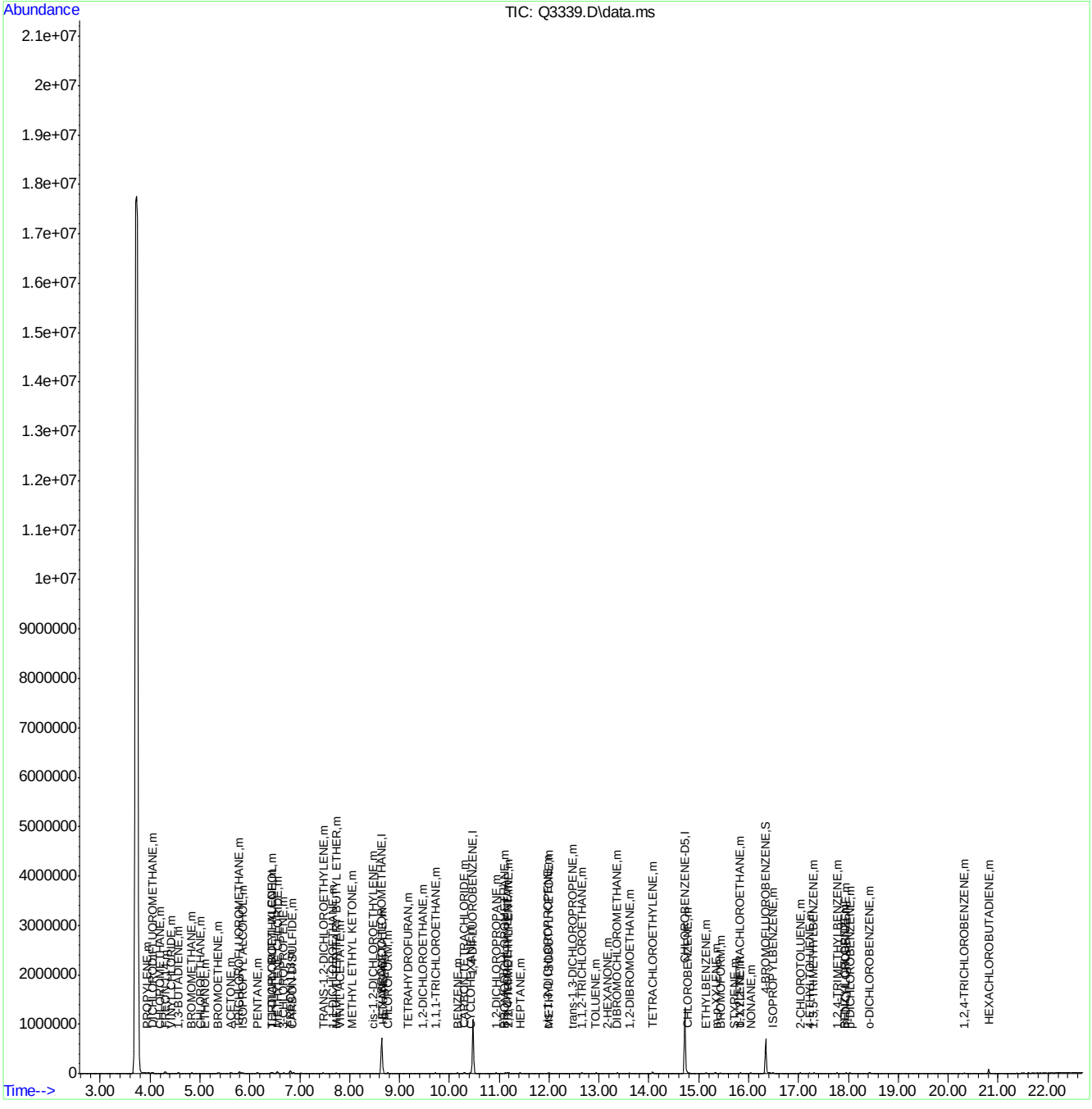
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 13:28:38 2007
Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3339.D
Acq On : 4 May 2007 2:01 pm
Operator : PhilipB
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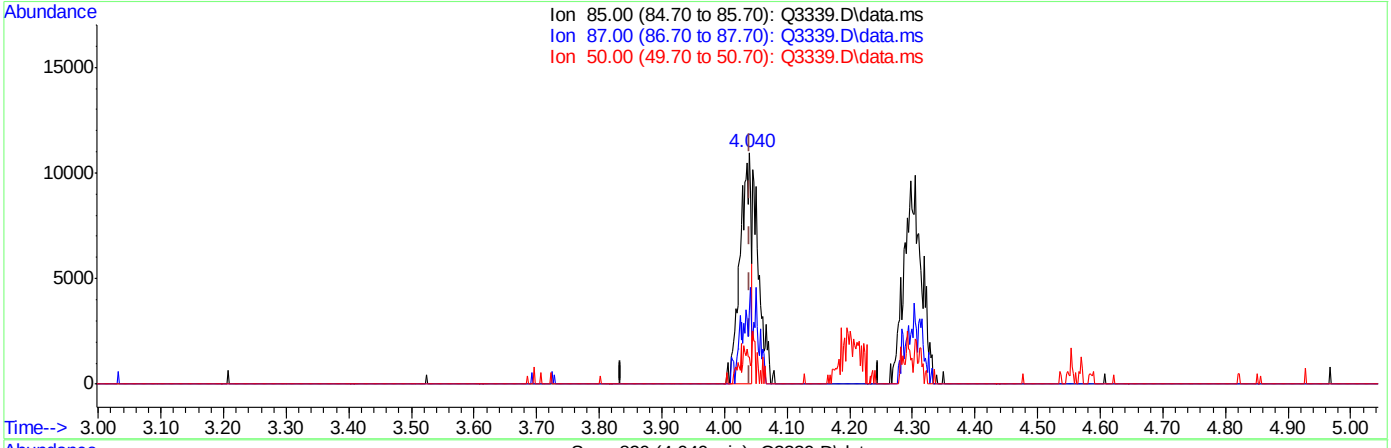

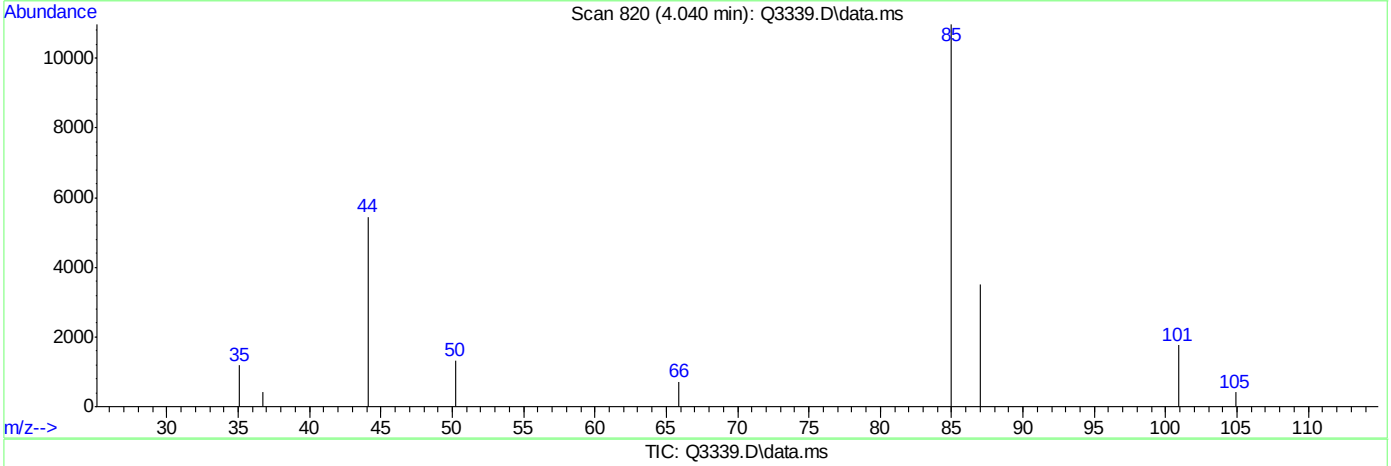

TIC: Q3339.D\data.ms

(2) DICHLORODIFLUOROMETHANE (m)

4.040min (+0.000) 0.21PPBV

response 13590

Ion	Exp%	Act%
85.00	100	100
87.00	32.80	34.47
50.00	11.60	6.87
0.00	0.00	0.00

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Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3339.D
Acq On : 4 May 2007 2:01 pm
Operator : PhilipB
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Misc : MS13469,MSQ180,,,,,1
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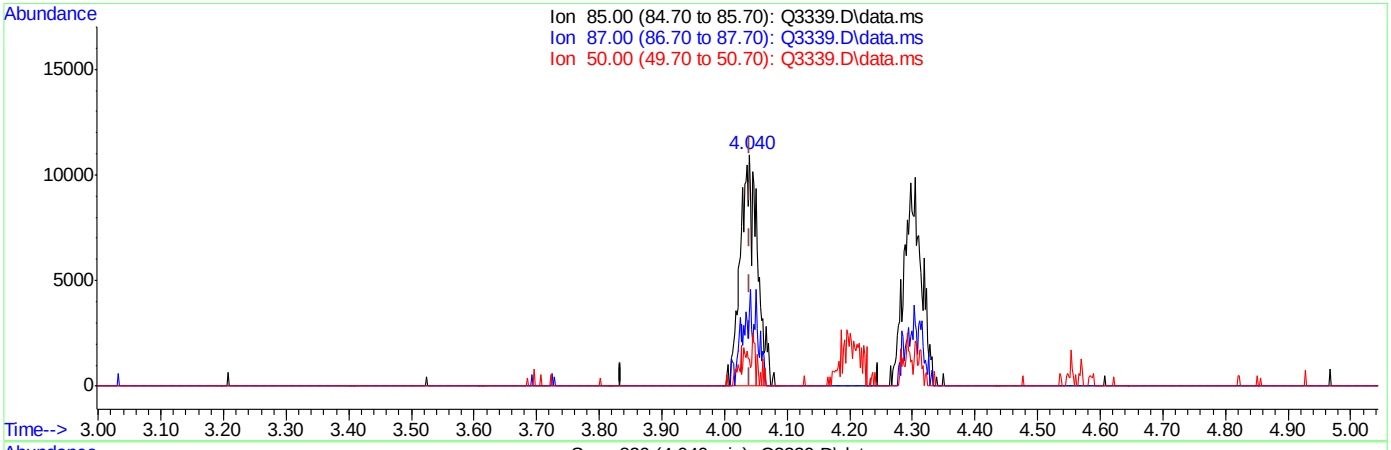

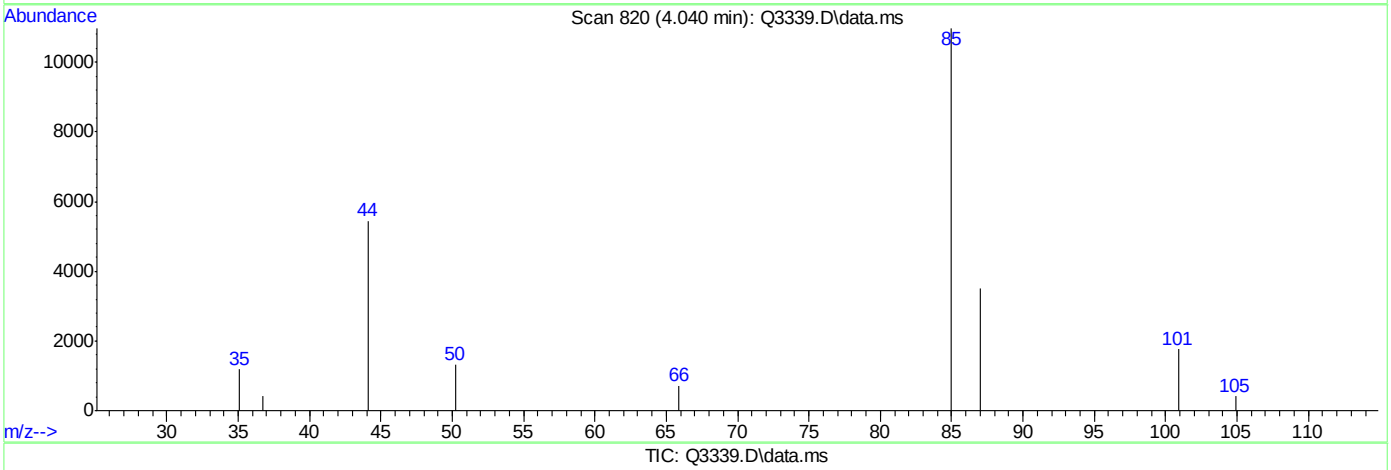

TIC: Q3339.D\data.ms

(2) DICHLORODIFLUOROMETHANE (m)

4.040min (+0.000) 0.33PPBV m

response 21549

Ion	Exp%	Act%
85.00	100	100
87.00	32.80	21.74
50.00	11.60	4.33
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3339.D
Acq On : 4 May 2007 2:01 pm
Operator : PhilipB
Sample : IC180-.2 (M057)
Misc : MS13469,MSQ180,,,,,1
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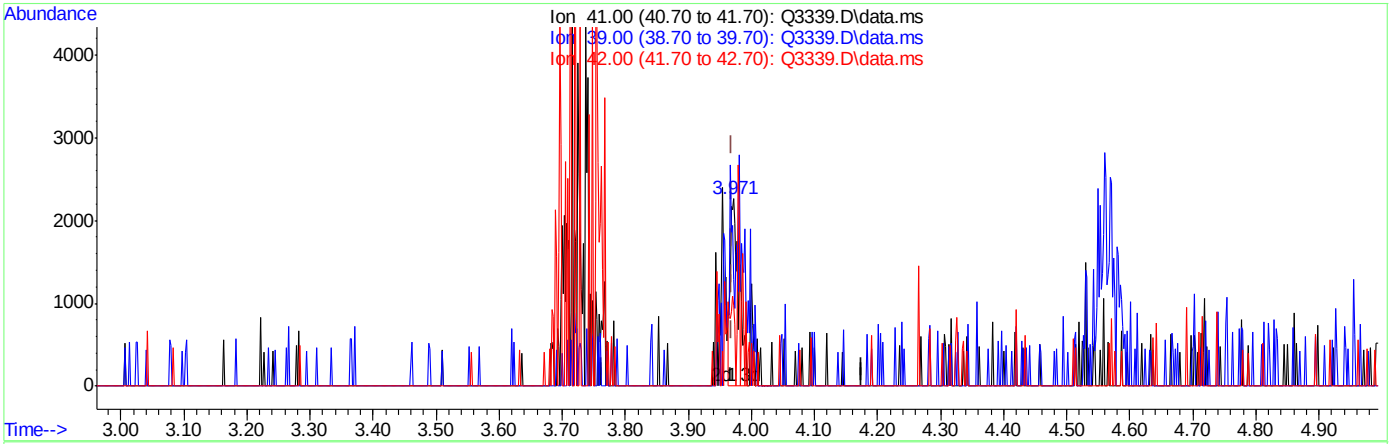

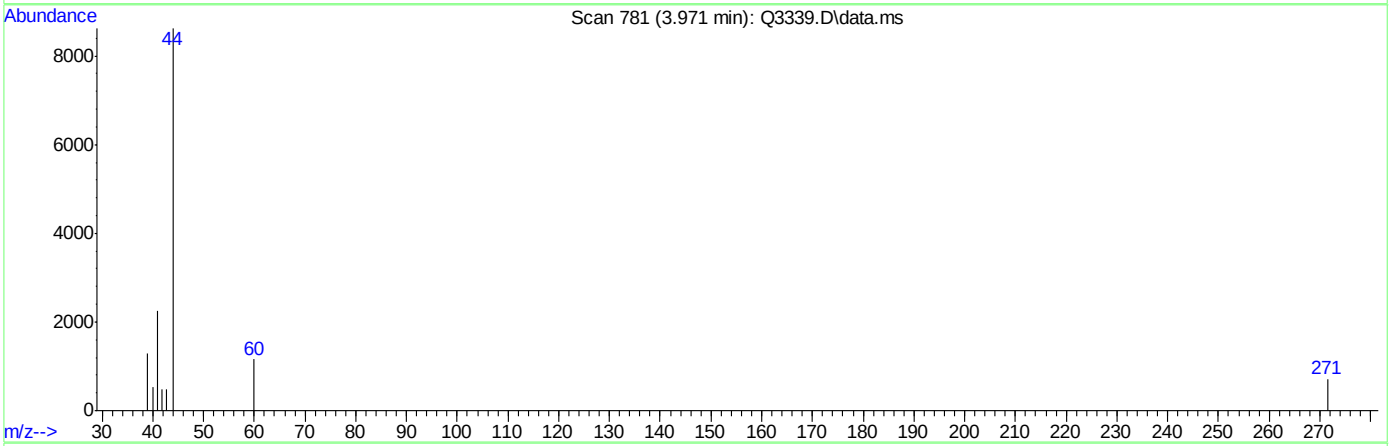

TIC: Q3339.D\data.ms

(3) PROPYLENE (m)

3.971min (+0.002) 0.18PPBV

response 2195

Ion	Exp%	Act%
41.00	100	100
39.00	77.40	57.23#
42.00	67.90	43.48#
0.00	0.00	0.00

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Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3339.D
Acq On : 4 May 2007 2:01 pm
Operator : PhilipB
Sample : IC180-.2 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 14:23:50 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
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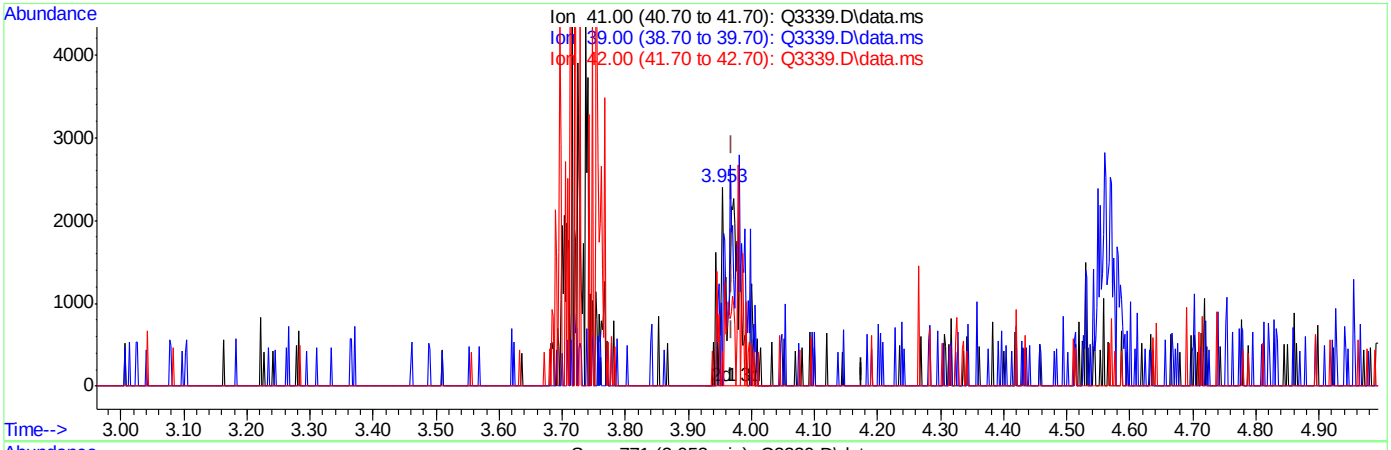
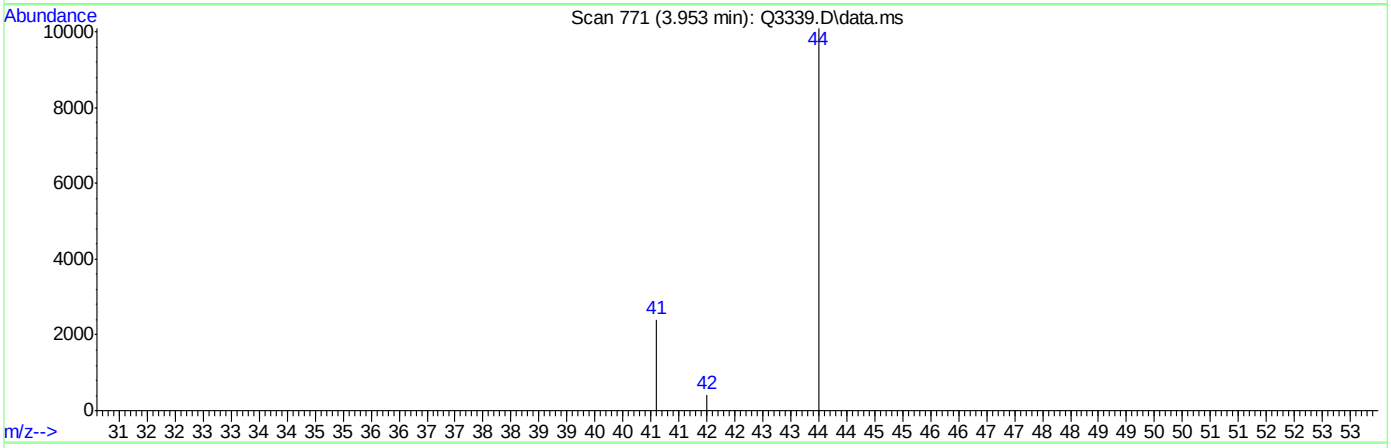
QLast Update : Fri May 04 13:28:38 2007
Response via : Initial Calibration





TIC: Q3339.D\data.ms

(3) PROPYLENE (m)

3.953min (-0.016) 0.32PPBV m

response 4043

Ion	Exp%	Act%
41.00	100	100
39.00	77.40	0.00#
42.00	67.90	17.56#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3339.D
Acq On : 4 May 2007 2:01 pm
Operator : PhilipB
Sample : IC180-.2 (M057)
Misc : MS13469,MSQ180,,,,,1
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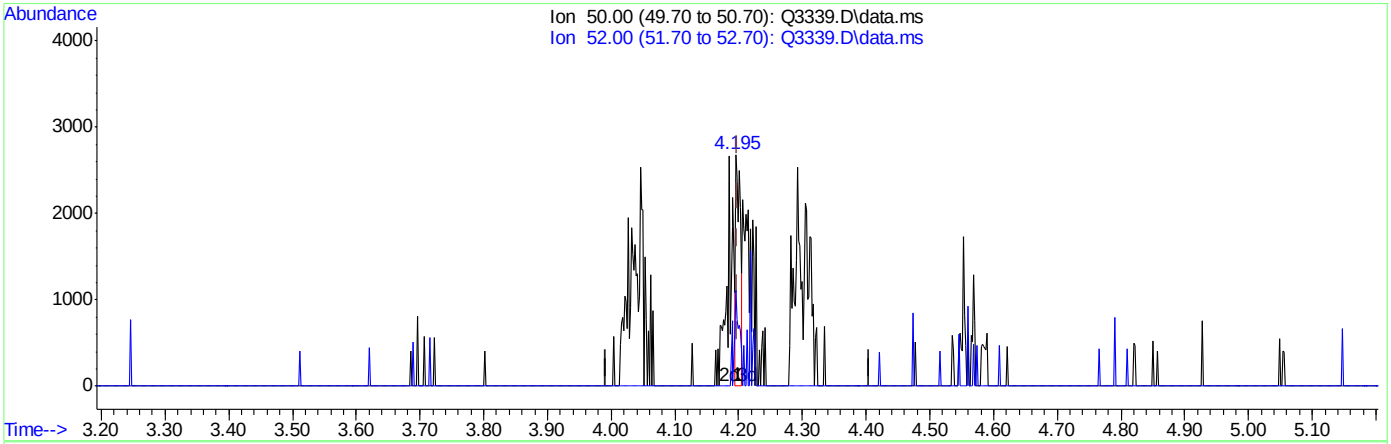
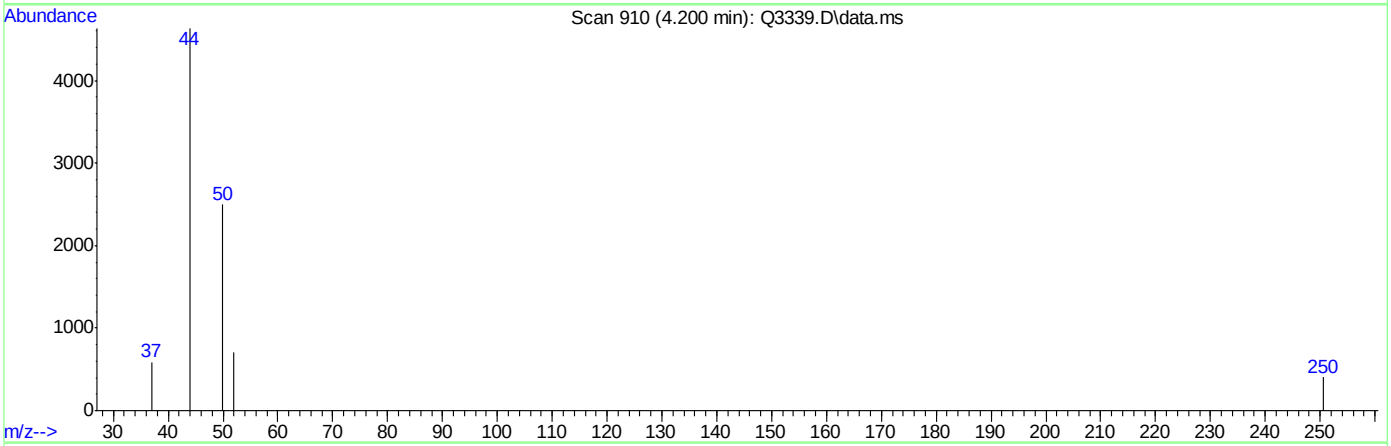




TIC: Q3339.D\data.ms

(5) CHLOROMETHANE (m)

4.200min (+0.001) 0.10PPBV

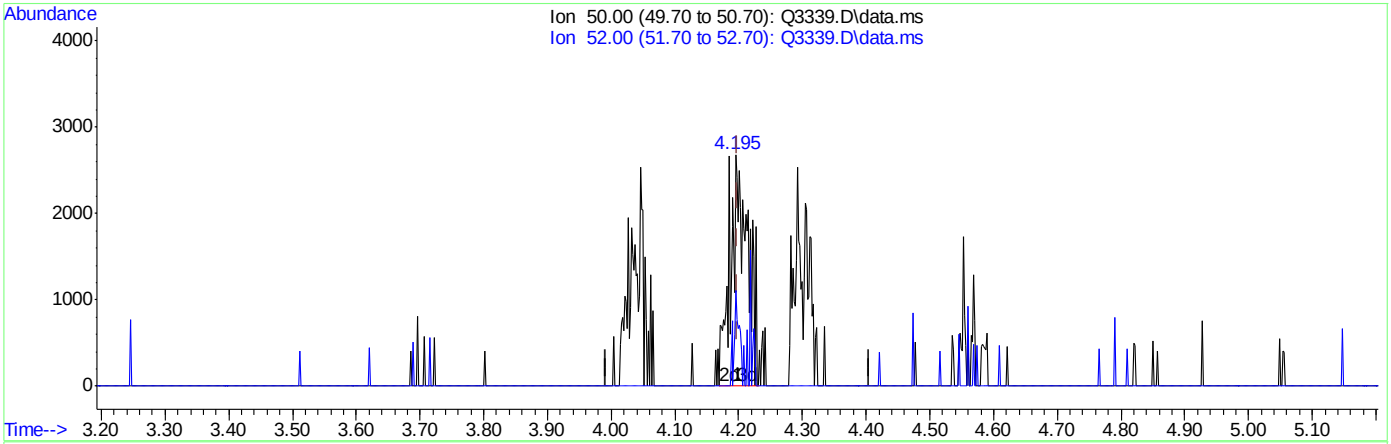
response 1371

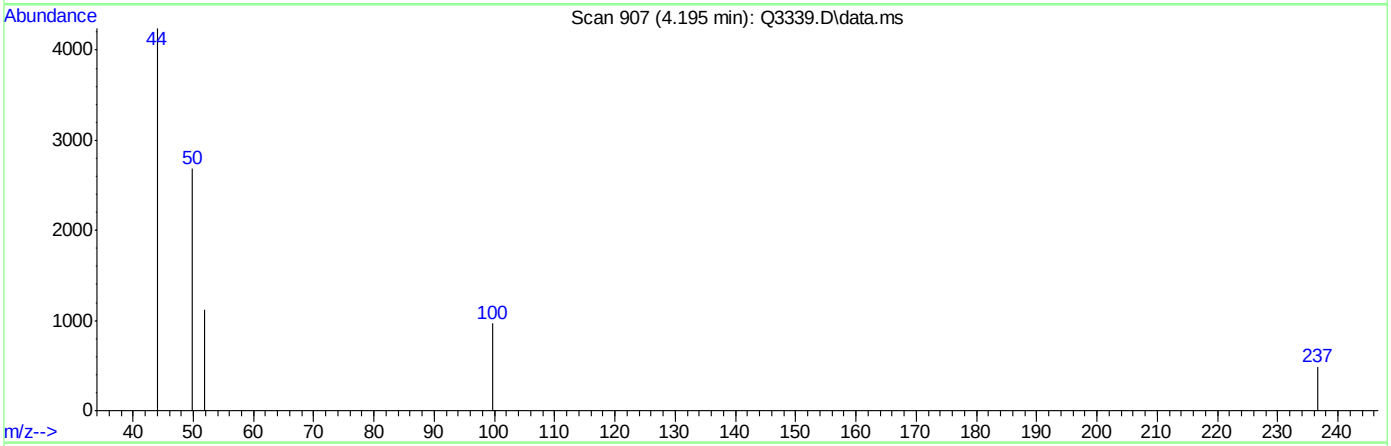
Ion	Exp%	Act%
50.00	100	100
52.00	31.60	14.80
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3339.D
Acq On : 4 May 2007 2:01 pm
Operator : PhilipB
Sample : IC180-.2 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 14:23:50 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 13:28:38 2007
Response via : Initial Calibration





TIC: Q3339.D\data.ms

(5) CHLOROMETHANE (m)

4.195min (-0.004) 0.36PPBV m

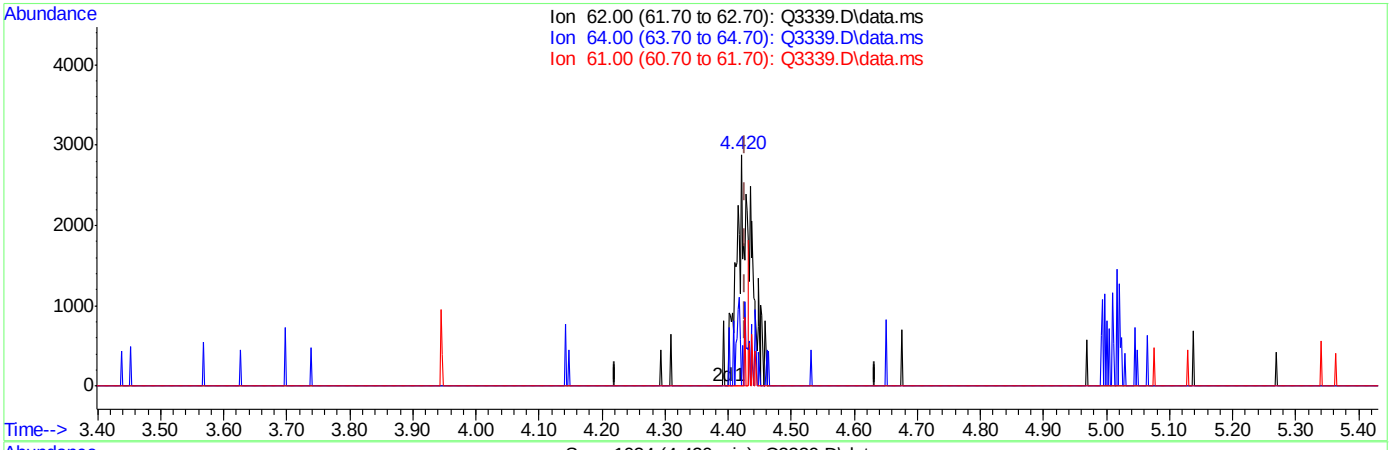
response 5039

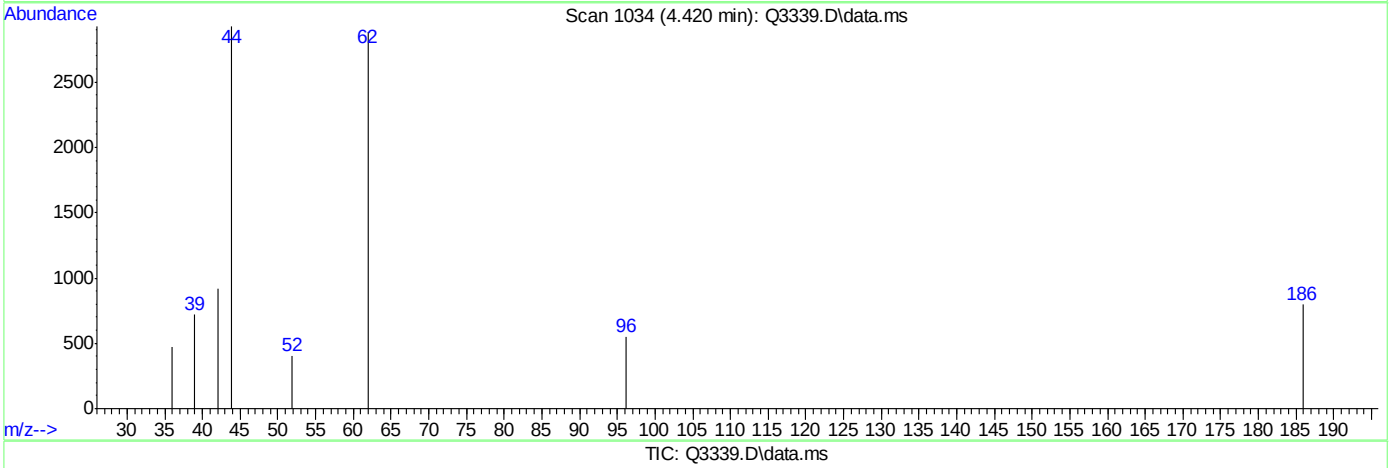
Ion	Exp%	Act%
50.00	100	100
52.00	31.60	41.54
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3339.D
Acq On : 4 May 2007 2:01 pm
Operator : PhilipB
Sample : IC180-.2 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 14:23:50 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 13:28:38 2007
Response via : Initial Calibration





TIC: Q3339.D\data.ms

(6) VINYL CHLORIDE (m)

4.420min (-0.007) 0.20PPBV

response 3003

Ion	Exp%	Act%
62.00	100	100
64.00	31.80	18.05
61.00	8.20	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3339.D
Acq On : 4 May 2007 2:01 pm
Operator : PhilipB
Sample : IC180-.2 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

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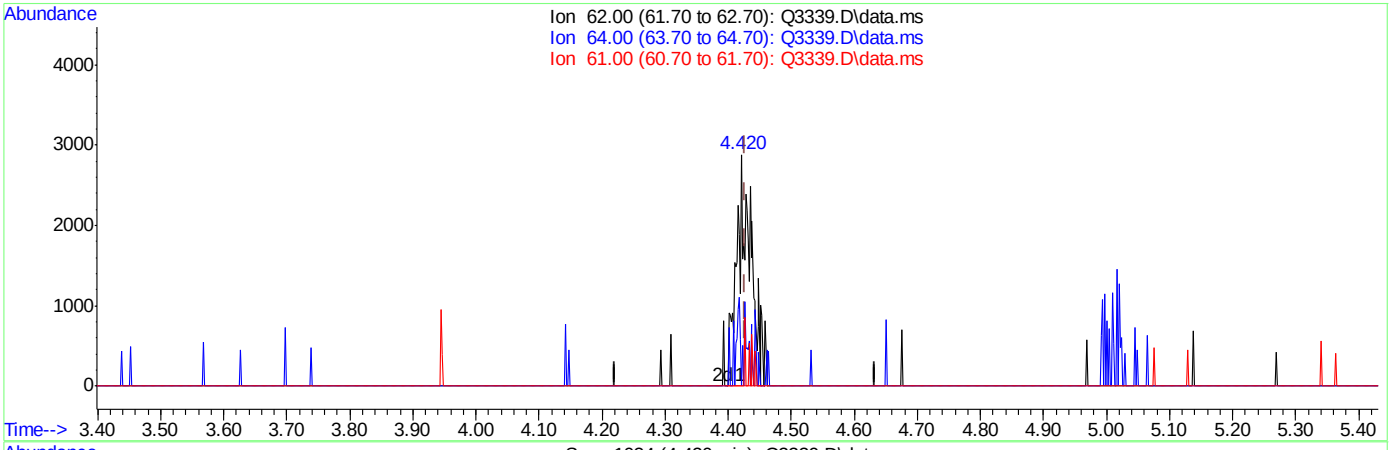

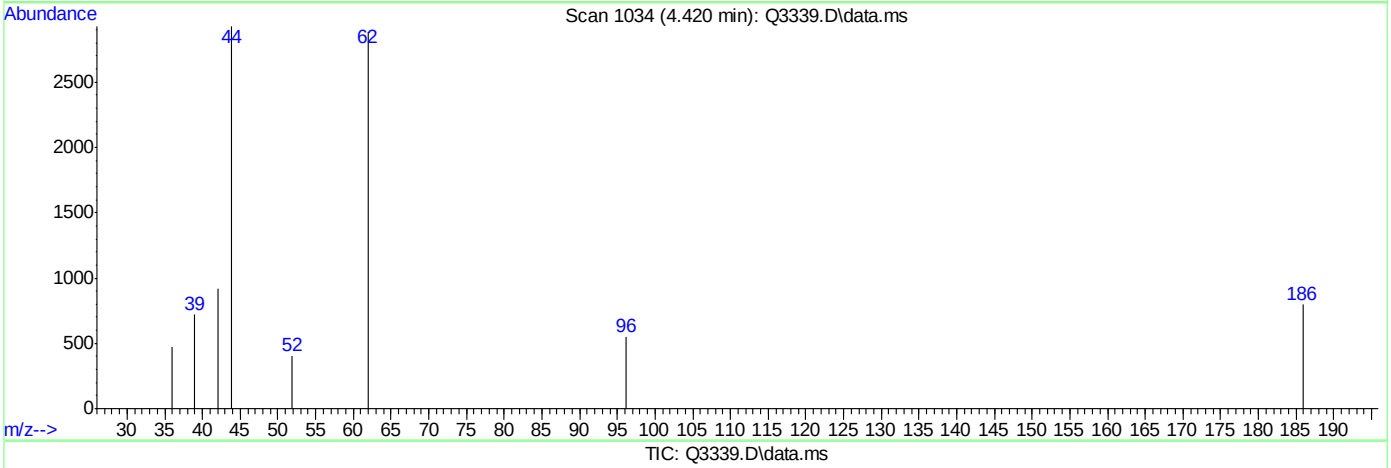

TIC: Q3339.D\data.ms

(6) VINYL CHLORIDE (m)

4.420min (-0.007) 0.30PPBV m

response 4597

Ion	Exp%	Act%
62.00	100	100
64.00	31.80	11.79#
61.00	8.20	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
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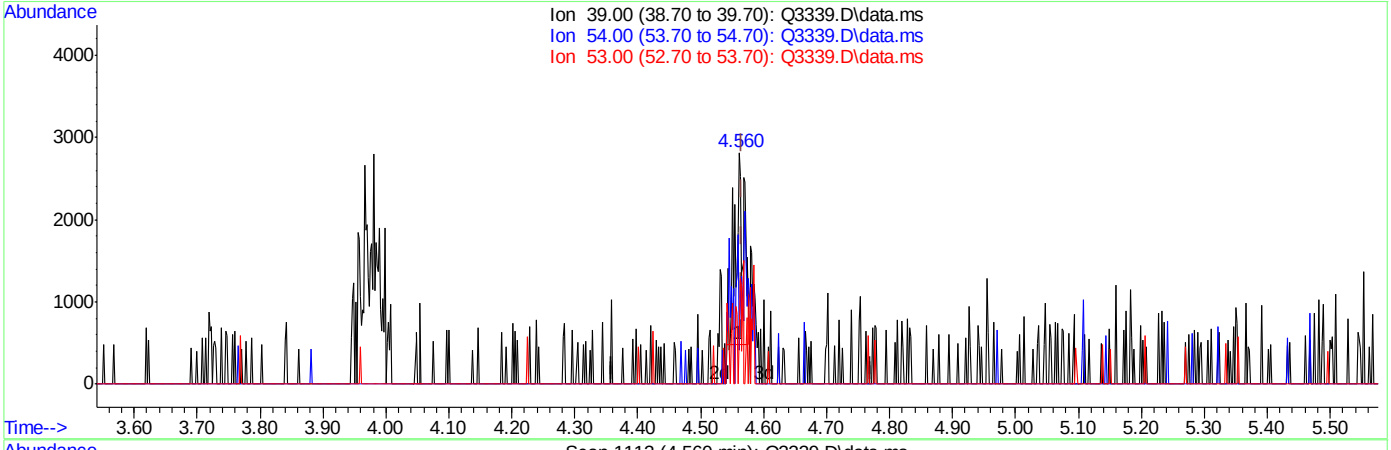

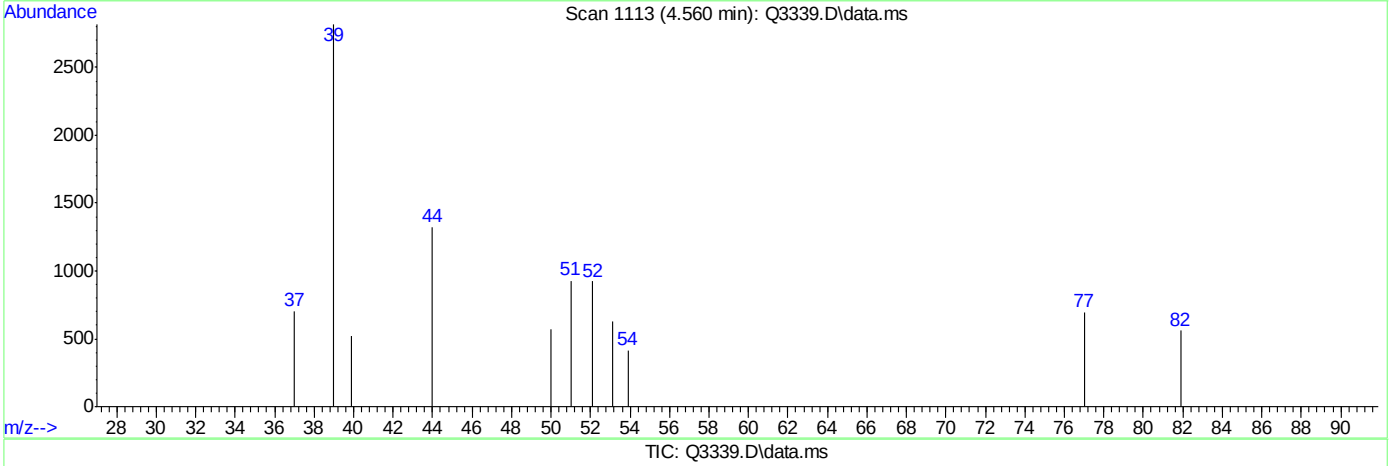

TIC: Q3339.D\data.ms

(7) 1,3-BUTADIENE (m)

4.560min (-0.005) 0.15PPBV

response 2307

Ion	Exp%	Act%
39.00	100	100
54.00	94.00	0.00#
53.00	63.80	31.43#
0.00	0.00	0.00

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Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3339.D
Acq On : 4 May 2007 2:01 pm
Operator : PhilipB
Sample : IC180-.2 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 14:23:50 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
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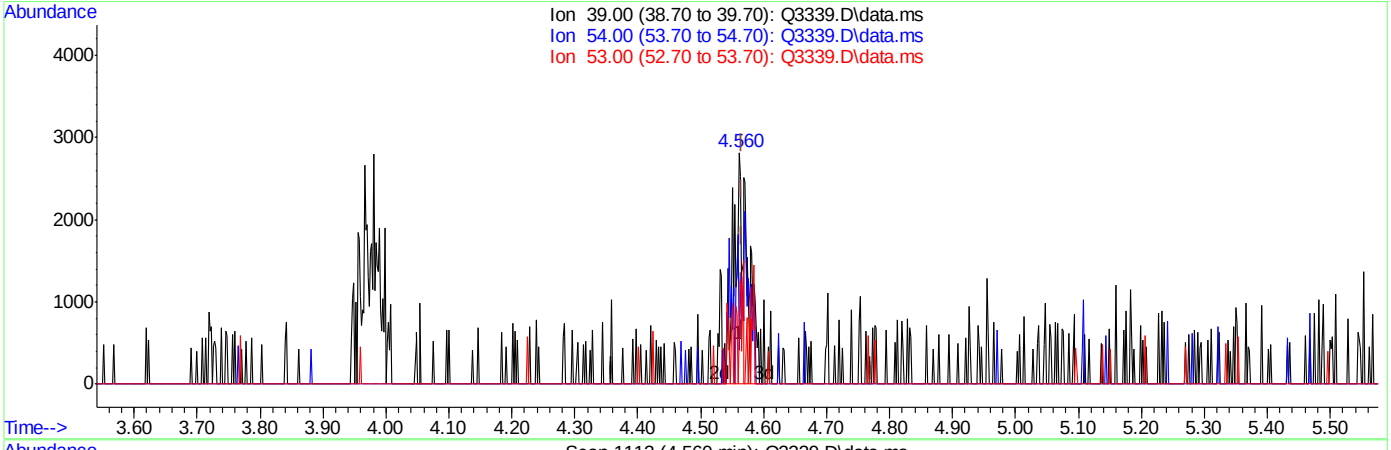

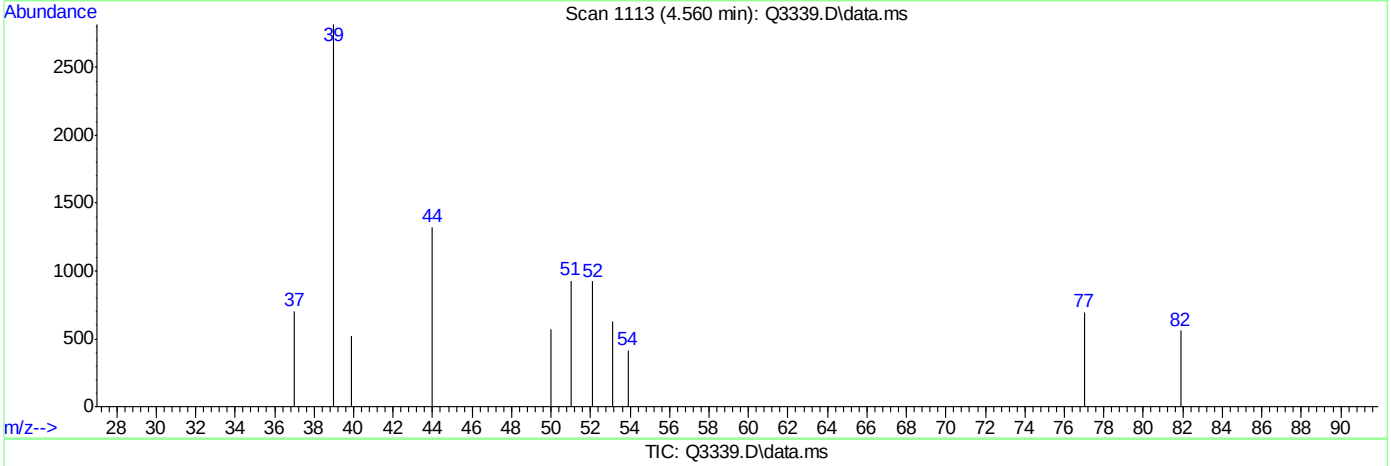

TIC: Q3339.D\data.ms

(7) 1,3-BUTADIENE (m)

4.560min (-0.005) 0.31PPBV m

response 4811

Ion	Exp%	Act%
39.00	100	100
54.00	94.00	0.00#
53.00	63.80	15.07#
0.00	0.00	0.00

ACCUTEST Laboratories M64809

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3339.D
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Operator : PhilipB
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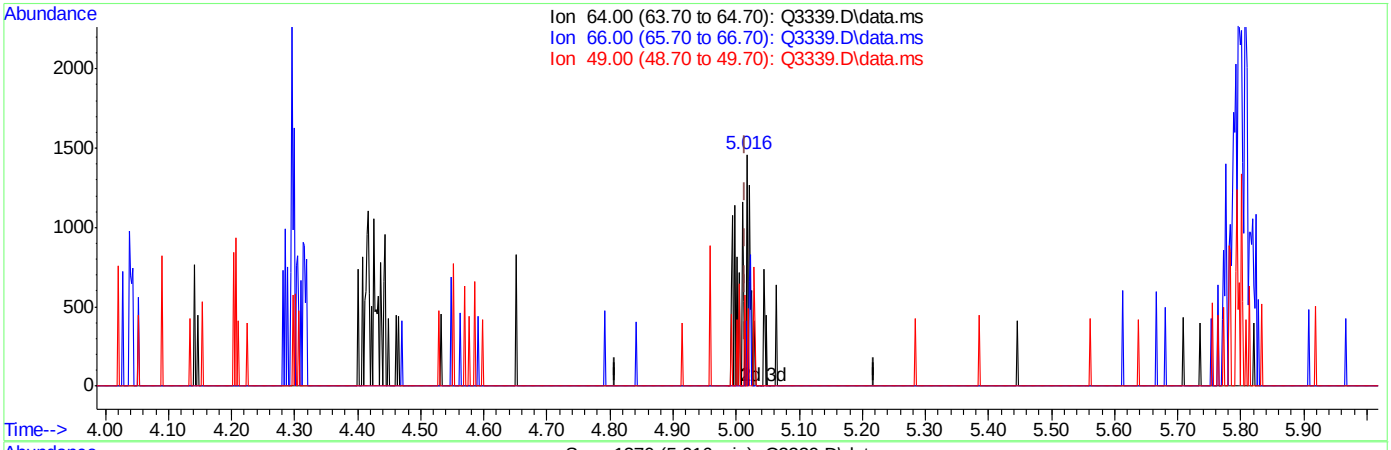
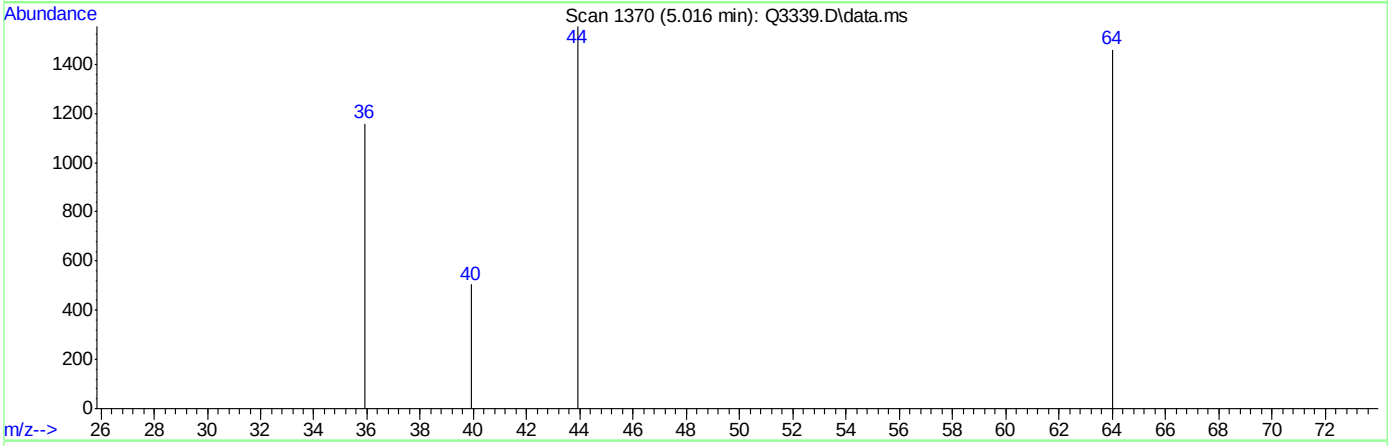
Response via : Initial Calibration





TIC: Q3339.D\data.ms

(9) CHLOROETHANE (m)

5.016min (+0.002) 0.14PPBV

response 802

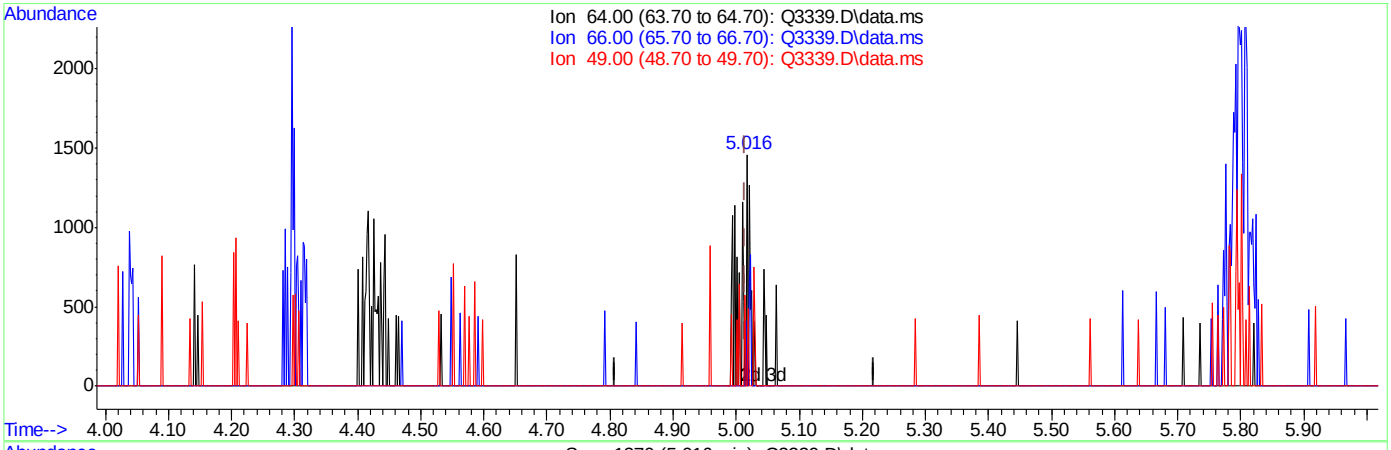
Ion	Exp%	Act%
64.00	100	100
66.00	33.60	0.00#
49.00	30.70	6.48#
0.00	0.00	0.00

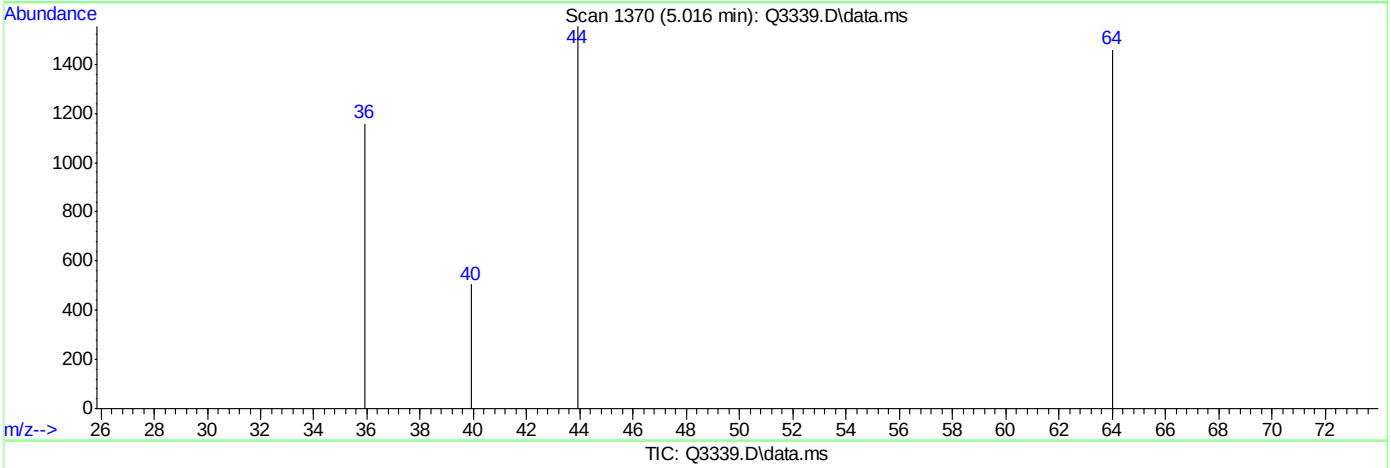
ACCUTEST Laboratories M64809

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3339.D
Acq On : 4 May 2007 2:01 pm
Operator : PhilipB
Sample : IC180-.2 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 14:23:50 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 13:28:38 2007
Response via : Initial Calibration





TIC: Q3339.D\data.ms

(9) CHLOROETHANE (m)

5.016min (+0.002) 0.14PPBV

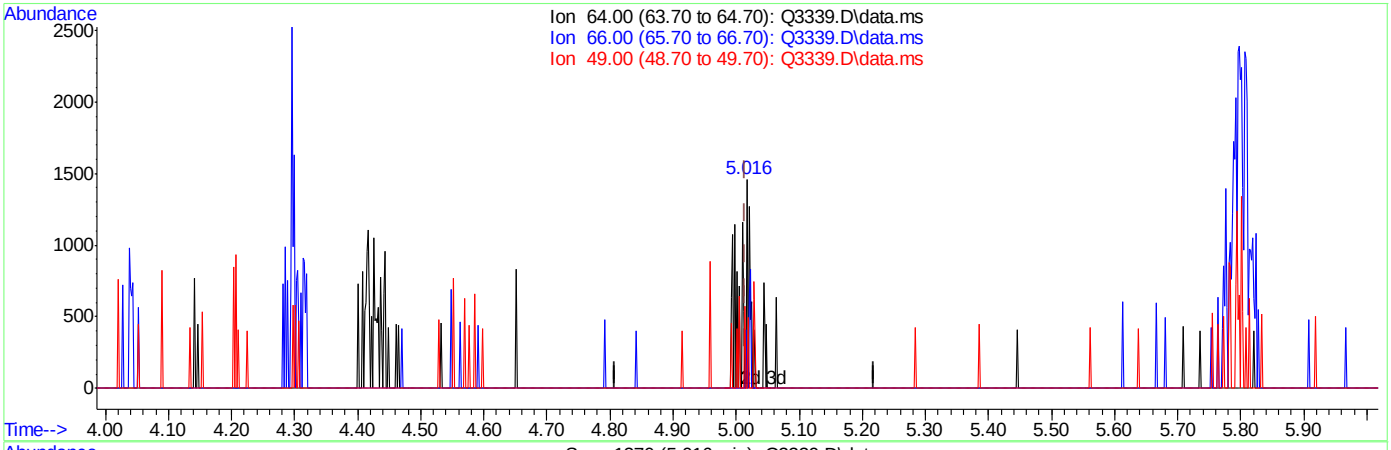
response 802

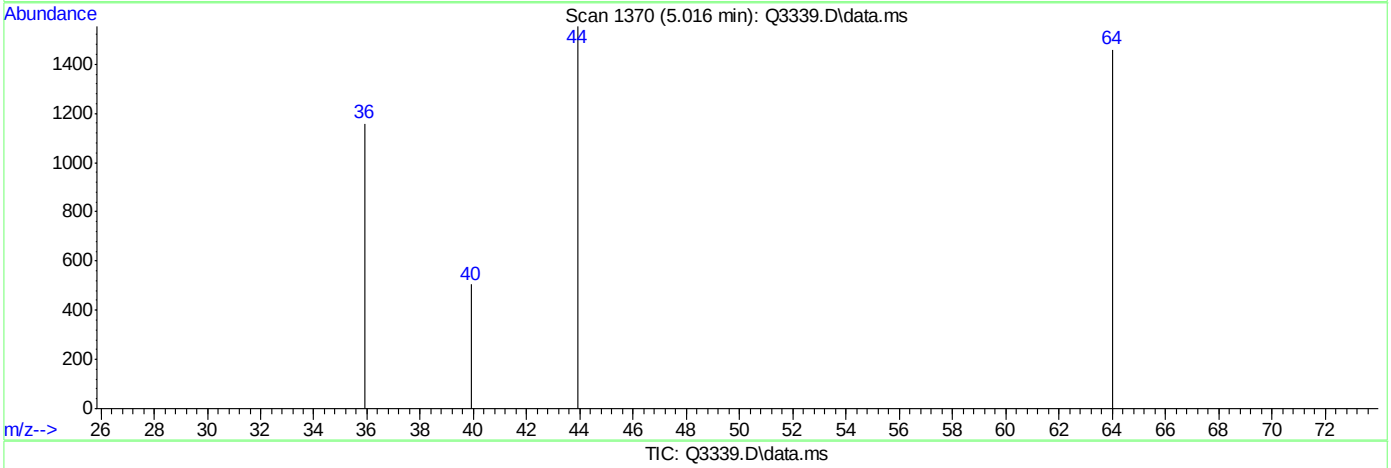
Ion	Exp%	Act%
64.00	100	100
66.00	33.60	0.00#
49.00	30.70	6.48#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3339.D
Acq On : 4 May 2007 2:01 pm
Operator : PhilipB
Sample : IC180-.2 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 14:23:50 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 13:28:38 2007
Response via : Initial Calibration





TIC: Q3339.D\data.ms

(9) CHLOROETHANE (m)

5.016min (+0.002) 0.19PPBV m

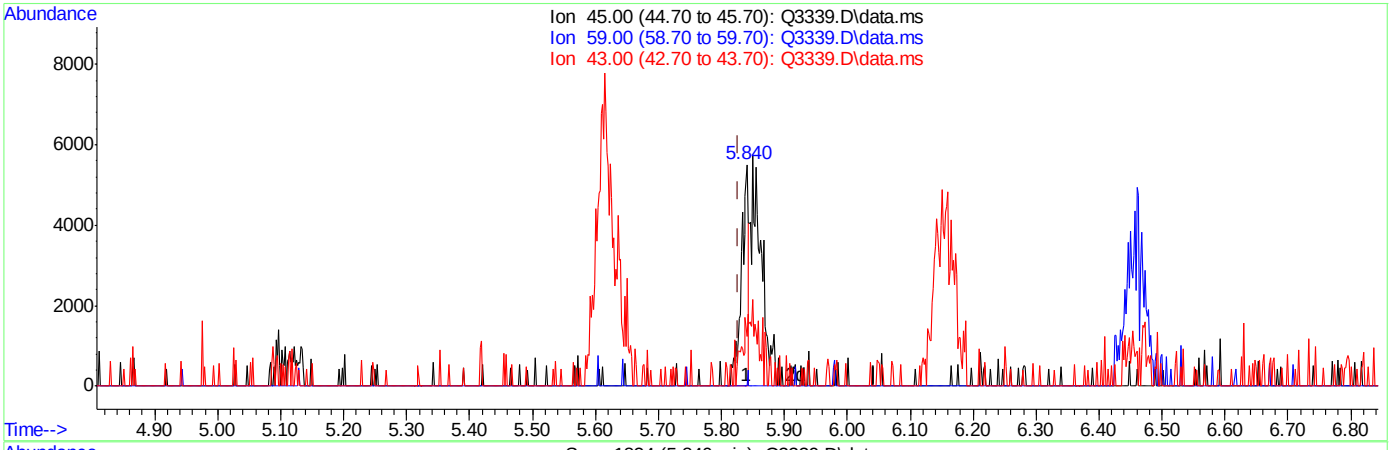
response 1097

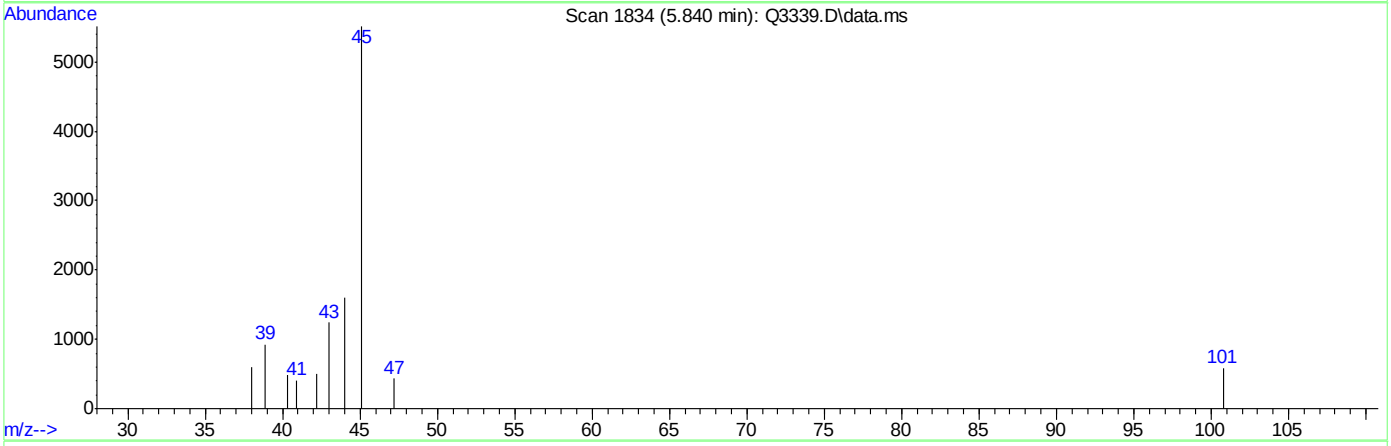
Ion	Exp%	Act%
64.00	100	100
66.00	33.60	0.00#
49.00	30.70	4.74#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3339.D
Acq On : 4 May 2007 2:01 pm
Operator : PhilipB
Sample : IC180-.2 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 14:23:50 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 13:28:38 2007
Response via : Initial Calibration





TIC: Q3339.D\data.ms

(11) ISOPROPYL ALCOHOL (m)

5.840min (+0.013) 0.16PPBV

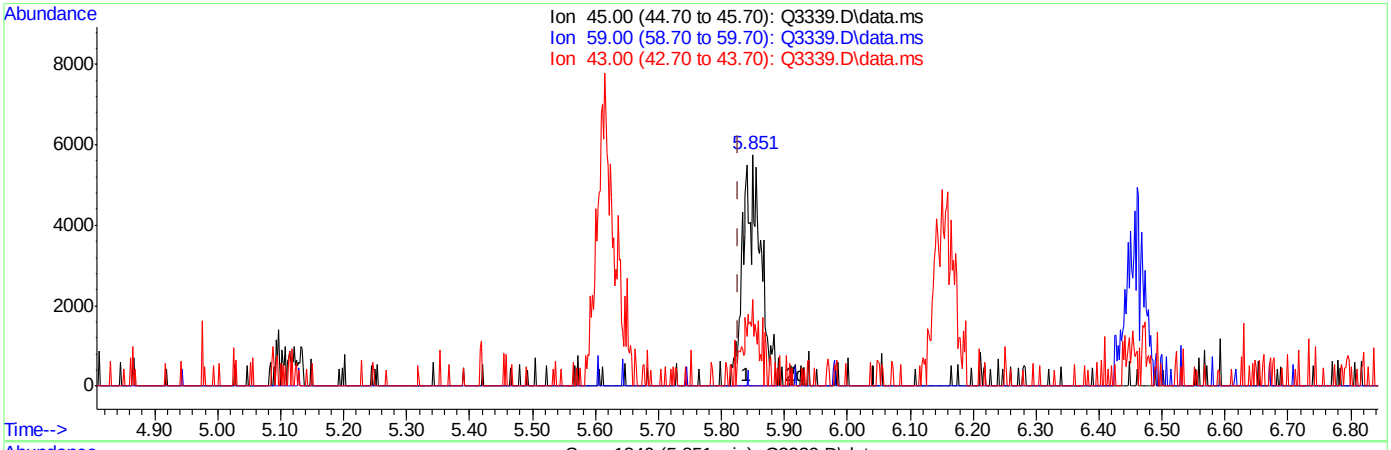
response 4413

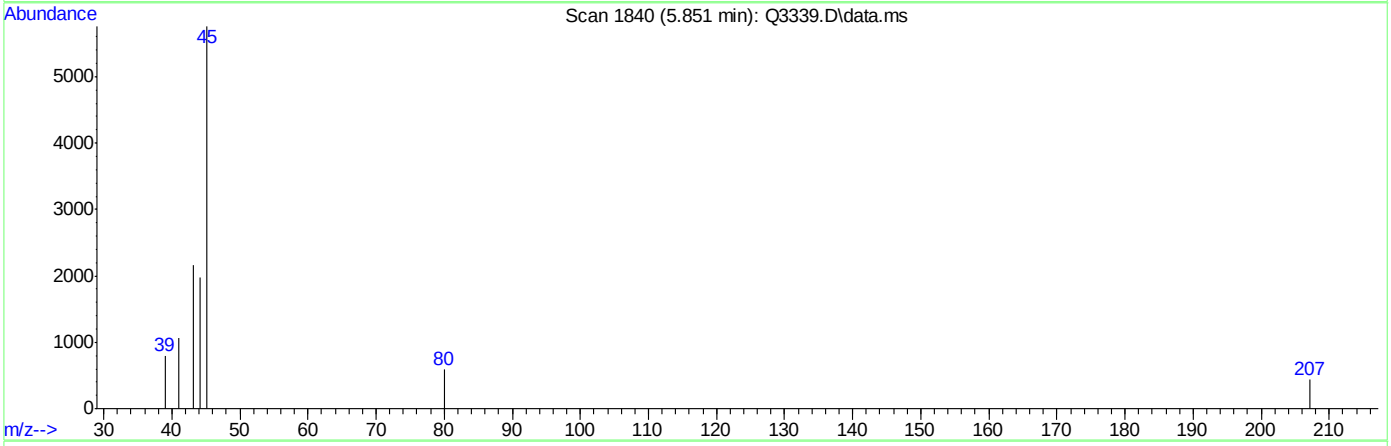
Ion	Exp%	Act%
45.00	100	100
59.00	4.70	0.00
43.00	21.00	22.50
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3339.D
Acq On : 4 May 2007 2:01 pm
Operator : PhilipB
Sample : IC180-.2 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 14:23:50 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 13:28:38 2007
Response via : Initial Calibration





TIC: Q3339.D\data.ms

(11) ISOPROPYL ALCOHOL (m)

5.851min (+0.024) 0.42PPBV m

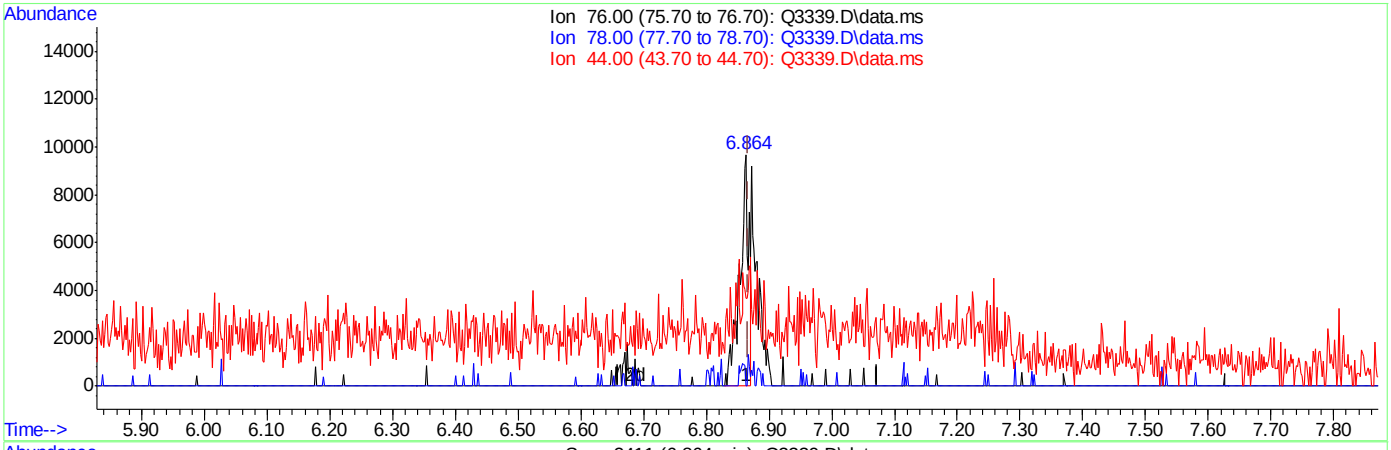
response 11292

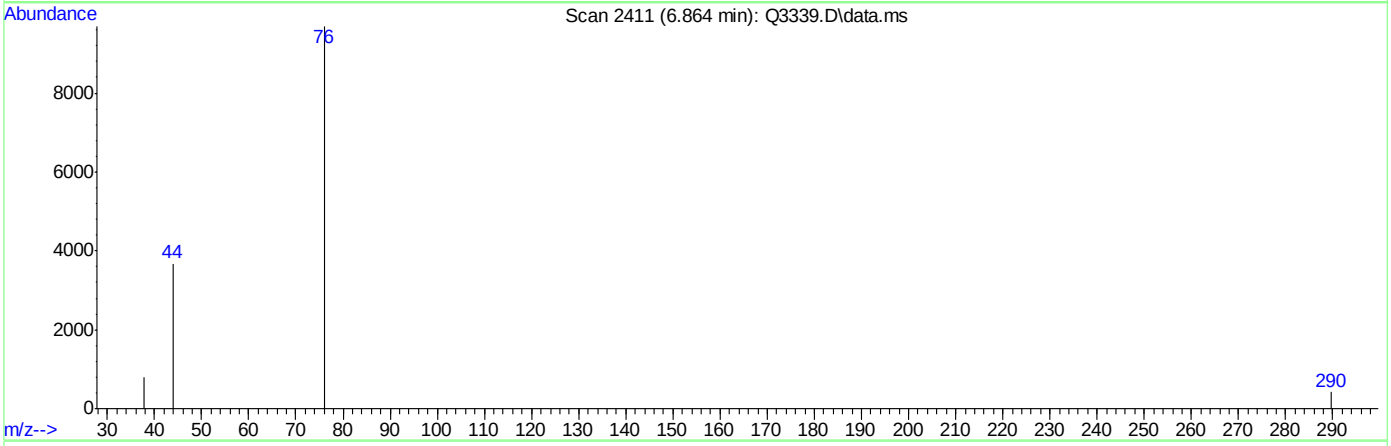
Ion	Exp%	Act%
45.00	100	100
59.00	4.70	0.00
43.00	21.00	37.49
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3339.D
Acq On : 4 May 2007 2:01 pm
Operator : PhilipB
Sample : IC180-.2 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 14:23:50 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 13:28:38 2007
Response via : Initial Calibration





TIC: Q3339.D\data.ms

(15) CARBON DISULFIDE (m)

6.864min (-0.003) 0.24PPBV

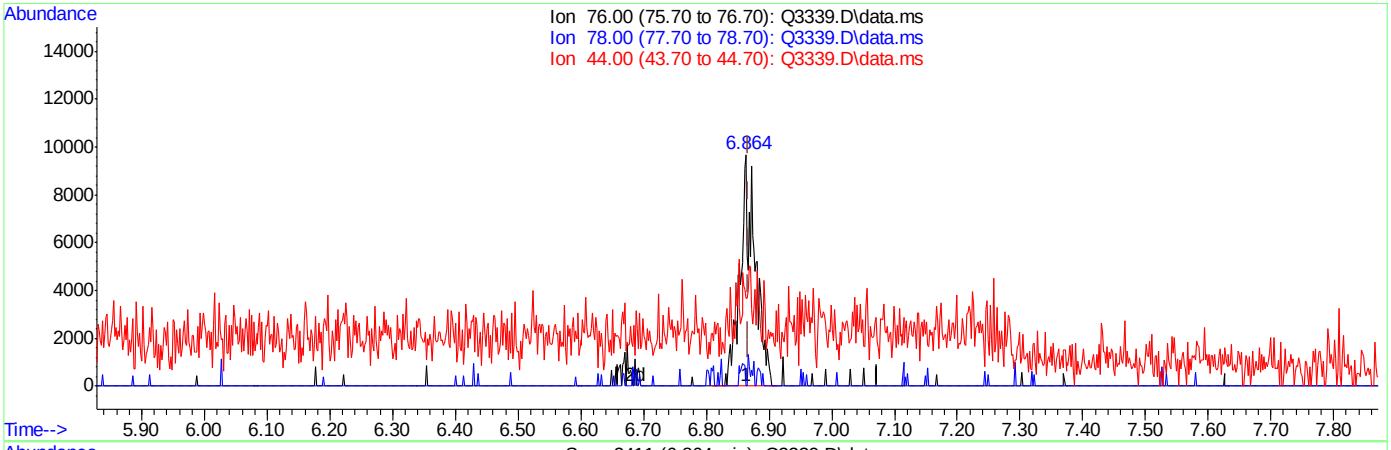
response 10072

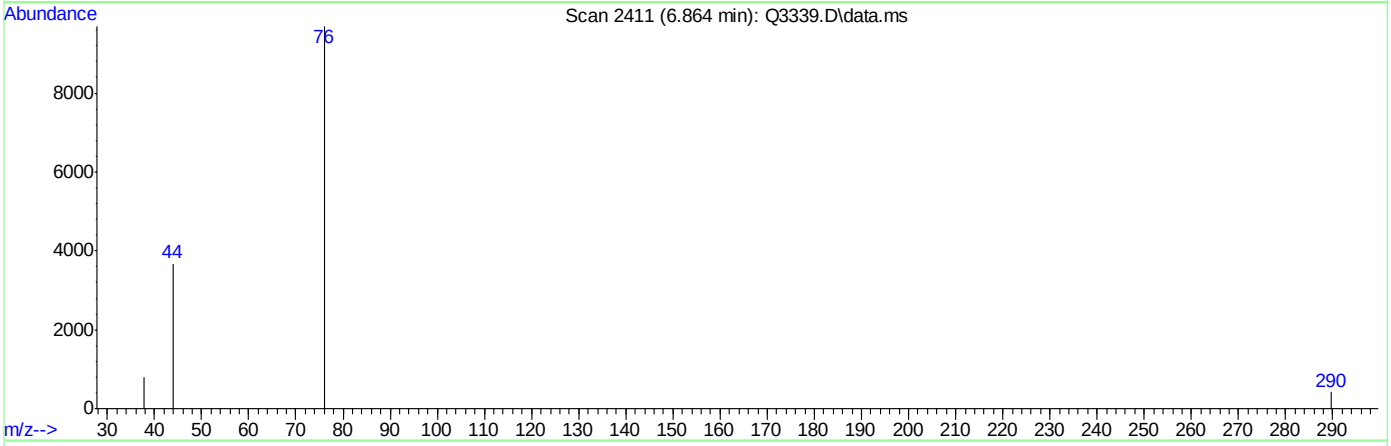
Ion	Exp%	Act%
76.00	100	100
78.00	9.20	4.97
44.00	13.80	15.36
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3339.D
Acq On : 4 May 2007 2:01 pm
Operator : PhilipB
Sample : IC180-.2 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 14:23:50 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 13:28:38 2007
Response via : Initial Calibration





TIC: Q3339.D\data.ms

(15) CARBON DISULFIDE (m)

6.864min (-0.003) 0.39PPBV m

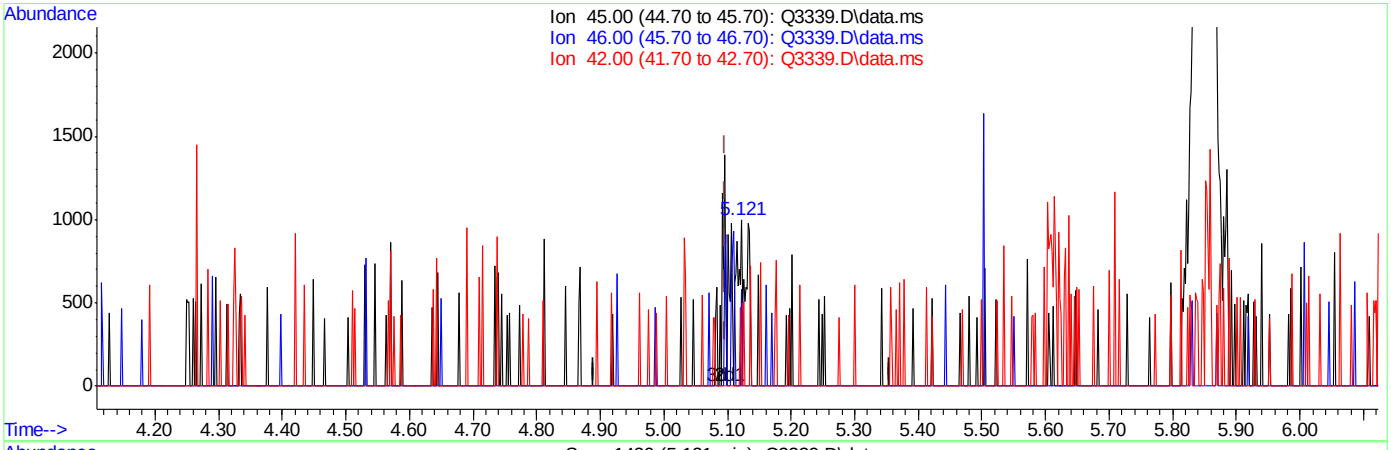
response 16496

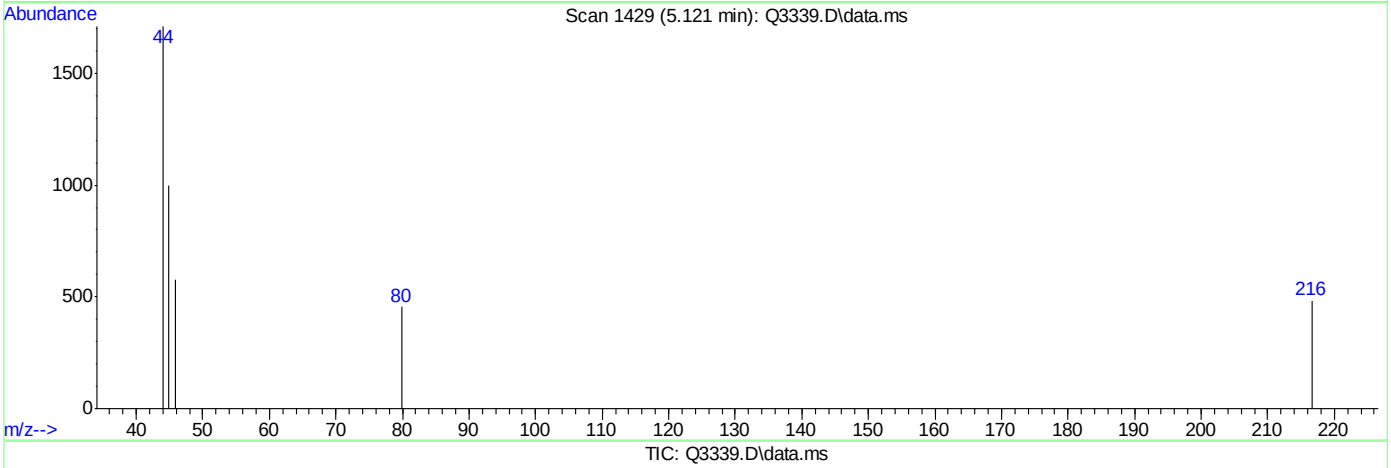
Ion	Exp%	Act%
76.00	100	100
78.00	9.20	3.04
44.00	13.80	9.38
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3339.D
Acq On : 4 May 2007 2:01 pm
Operator : PhilipB
Sample : IC180-.2 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 14:23:50 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 13:28:38 2007
Response via : Initial Calibration





TIC: Q3339.D\data.ms

(16) ETHANOL (m)

5.121min (+0.024) 0.12PPBV

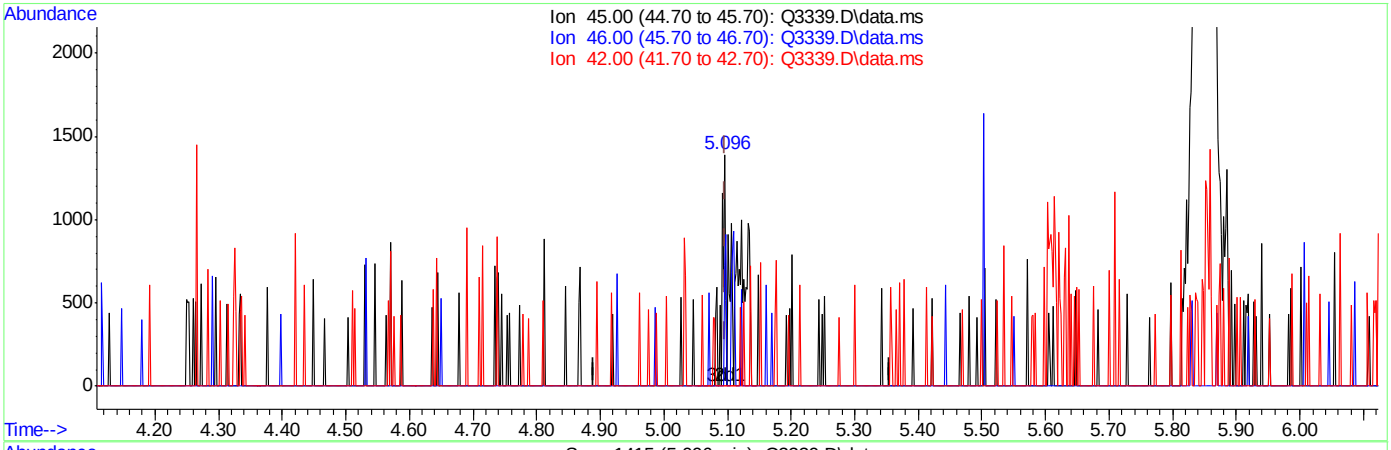
response 595

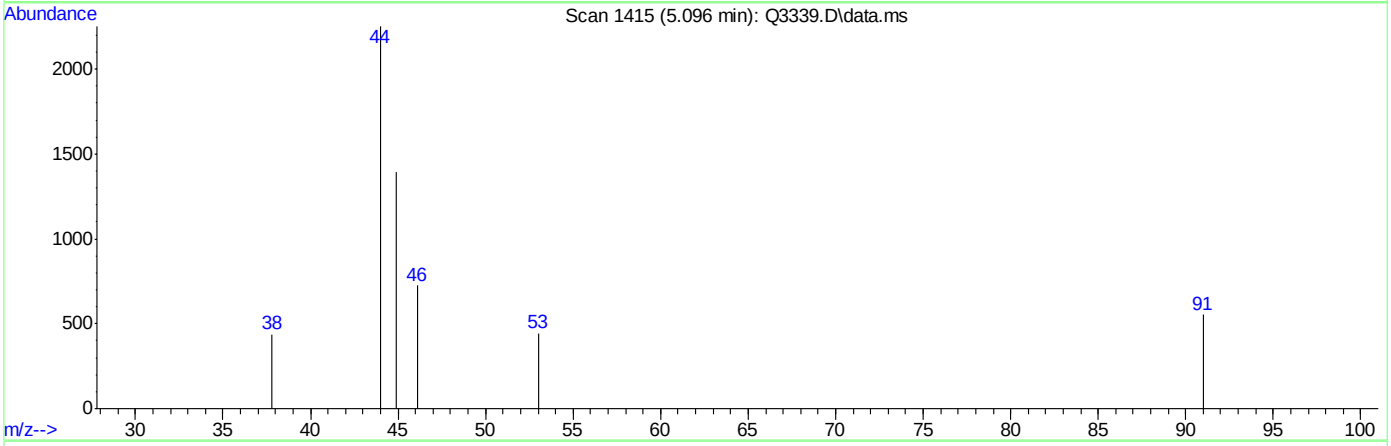
Ion	Exp%	Act%
45.00	100	100
46.00	30.60	37.31
42.00	4.60	17.65
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3339.D
Acq On : 4 May 2007 2:01 pm
Operator : PhilipB
Sample : IC180-.2 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 14:23:50 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 13:28:38 2007
Response via : Initial Calibration





TIC: Q3339.D\data.ms

(16) ETHANOL (m)

5.096min (-0.001) 0.40PPBV m

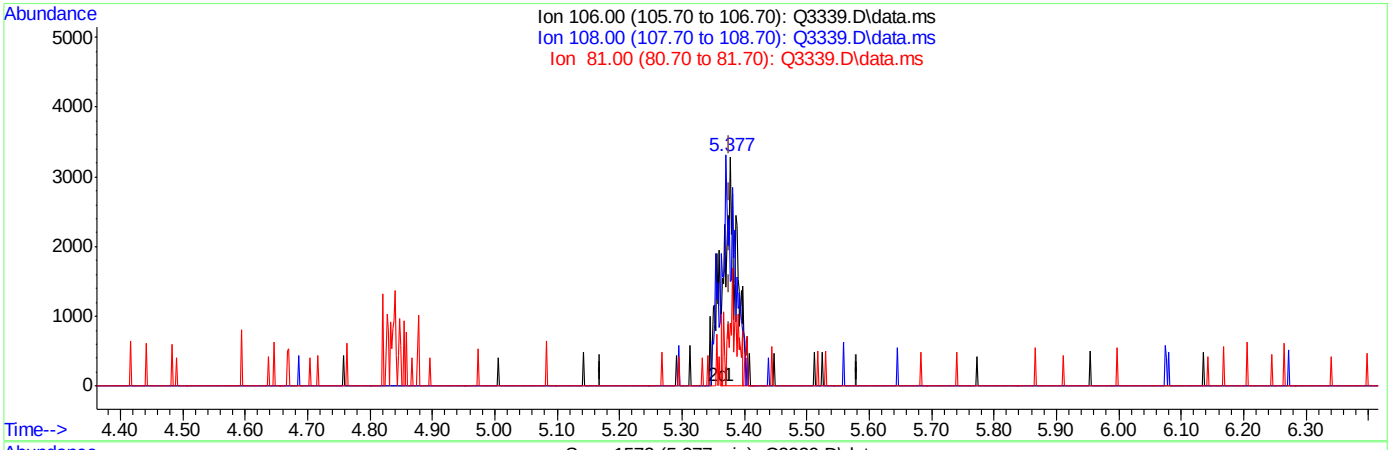
response 1962

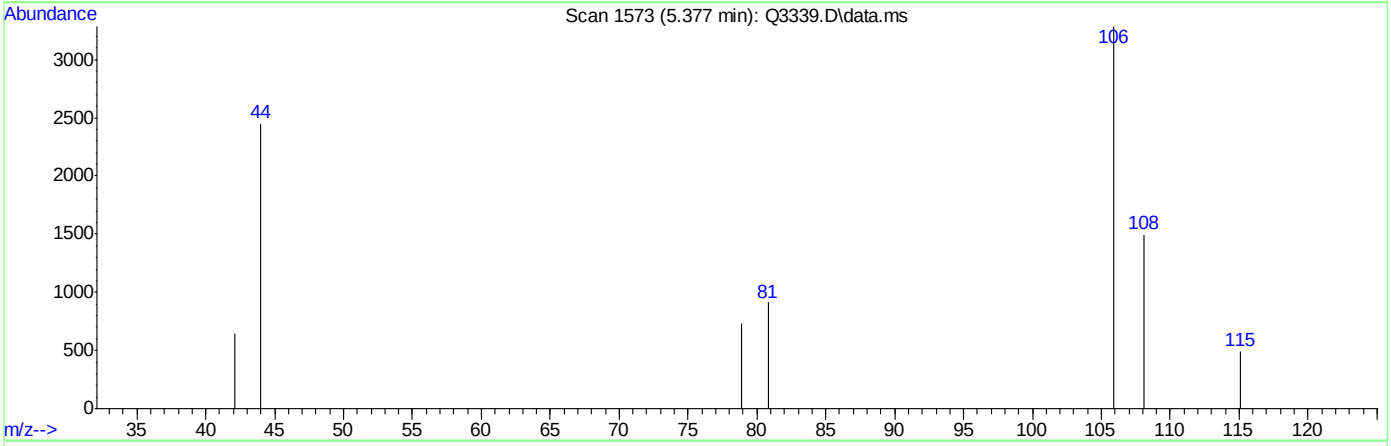
Ion	Exp%	Act%
45.00	100	100
46.00	30.60	11.31
42.00	4.60	5.35
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3339.D
Acq On : 4 May 2007 2:01 pm
Operator : PhilipB
Sample : IC180-.2 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 14:23:50 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 13:28:38 2007
Response via : Initial Calibration





TIC: Q3339.D\data.ms

(17) BROMOETHENE (m)

5.377min (+0.001) 0.26PPBV

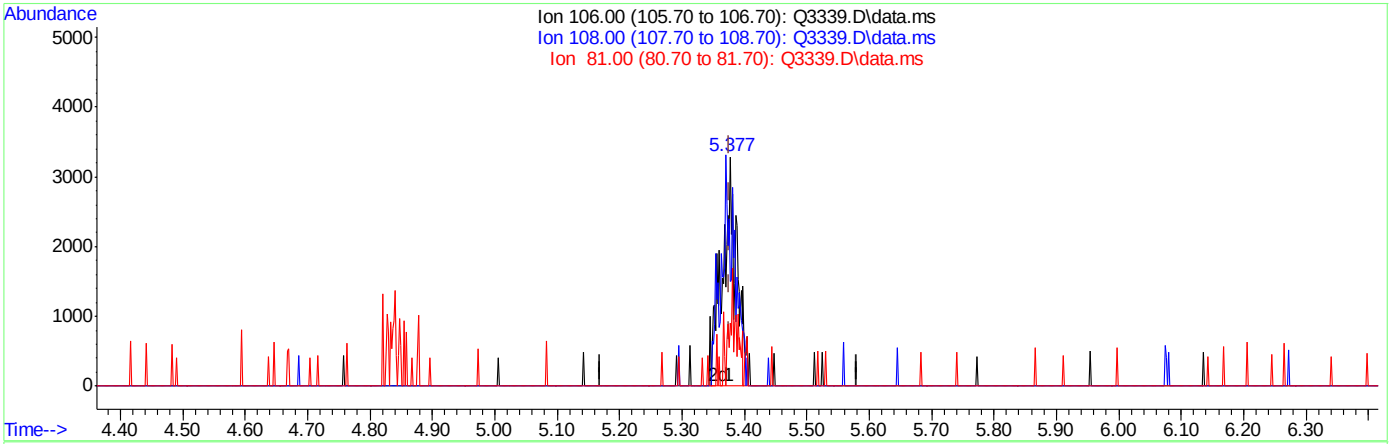
response 4173

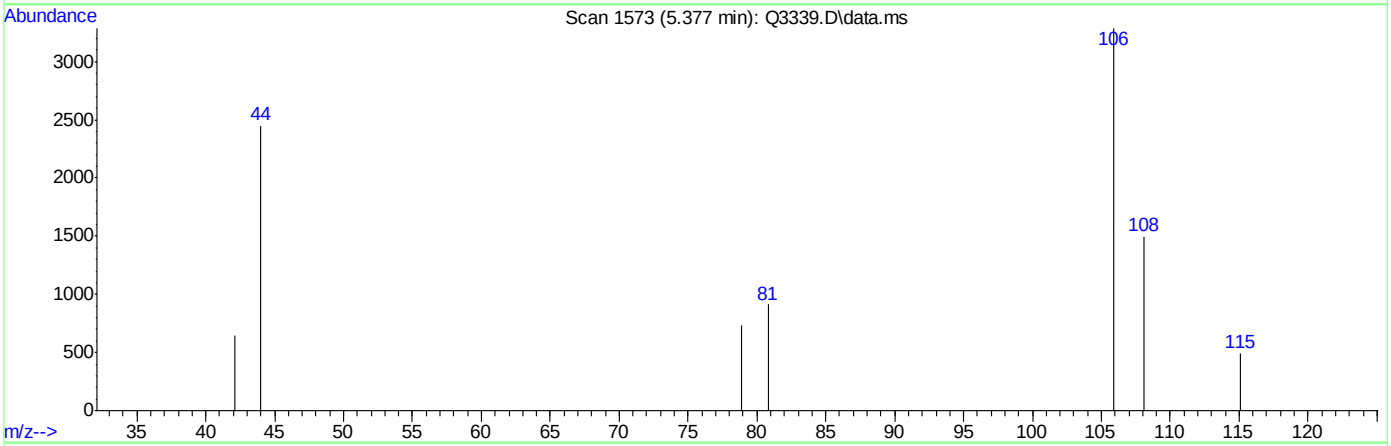
Ion	Exp%	Act%
106.00	100	100
108.00	95.00	48.29#
81.00	17.00	29.98#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3339.D
Acq On : 4 May 2007 2:01 pm
Operator : PhilipB
Sample : IC180-.2 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 14:23:50 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 13:28:38 2007
Response via : Initial Calibration





TIC: Q3339.D\data.ms

(17) BROMOETHENE (m)

5.377min (+0.001) 0.33PPBV m

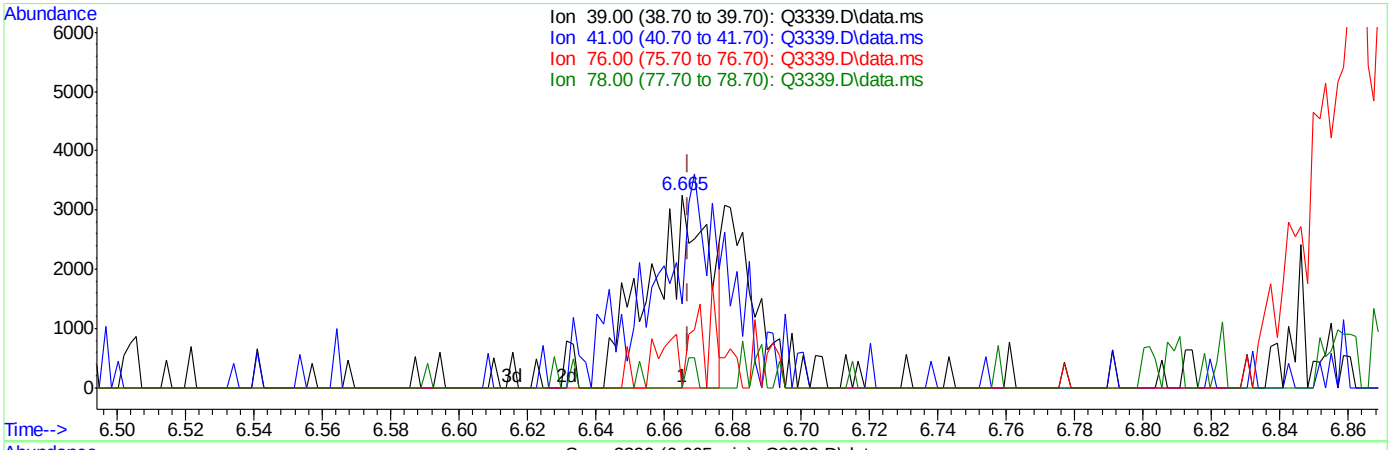
response 5294

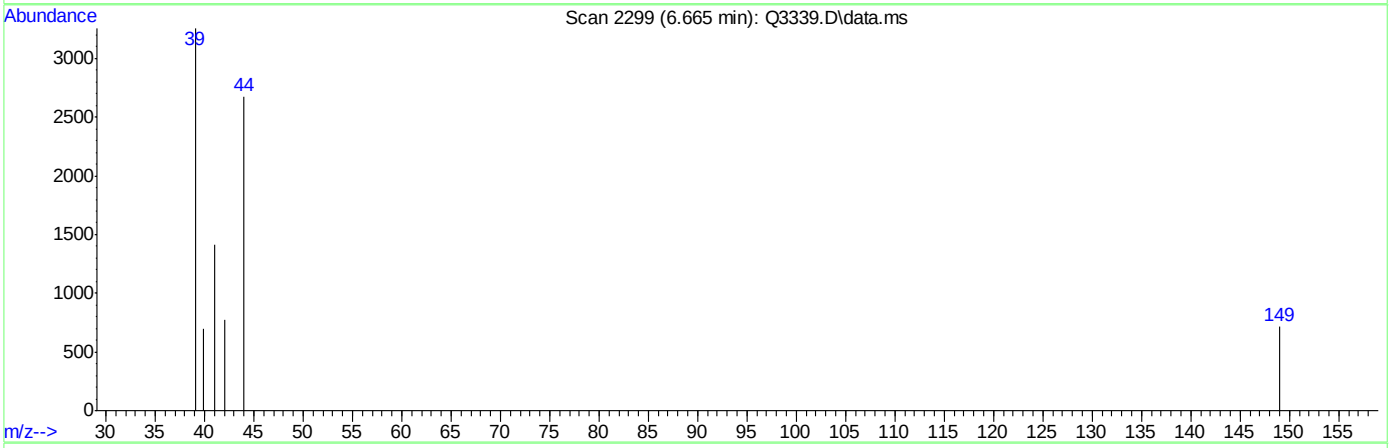
Ion	Exp%	Act%
106.00	100	100
108.00	95.00	38.06#
81.00	17.00	23.63#
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3339.D
Acq On    :  4 May 2007   2:01 pm
Operator  : PhilipB
Sample    : IC180-.2 (M057)
Misc      : MS13469,MSQ180,,,,,1
ALS Vial  : 2   Sample Multiplier: 1

Quant Time: May 04 14:23:50 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 13:28:38 2007
Response via : Initial Calibration
```



TIC: Q3339.D\data.ms

(19) 3-CHLOROPROPENE (m)

6.665min (-0.002) 0.23PPBV

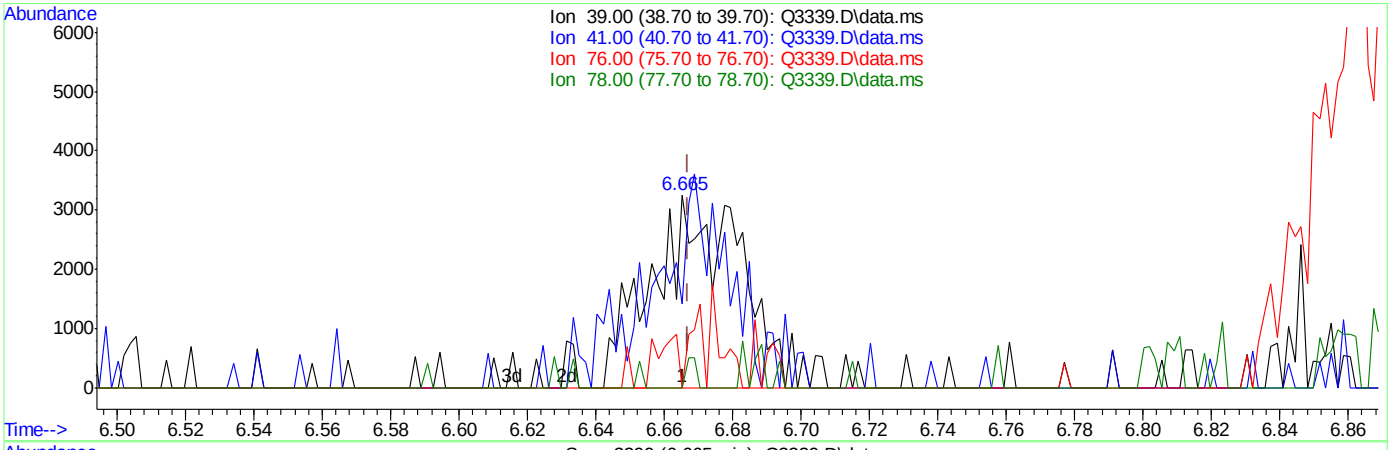
response 3895

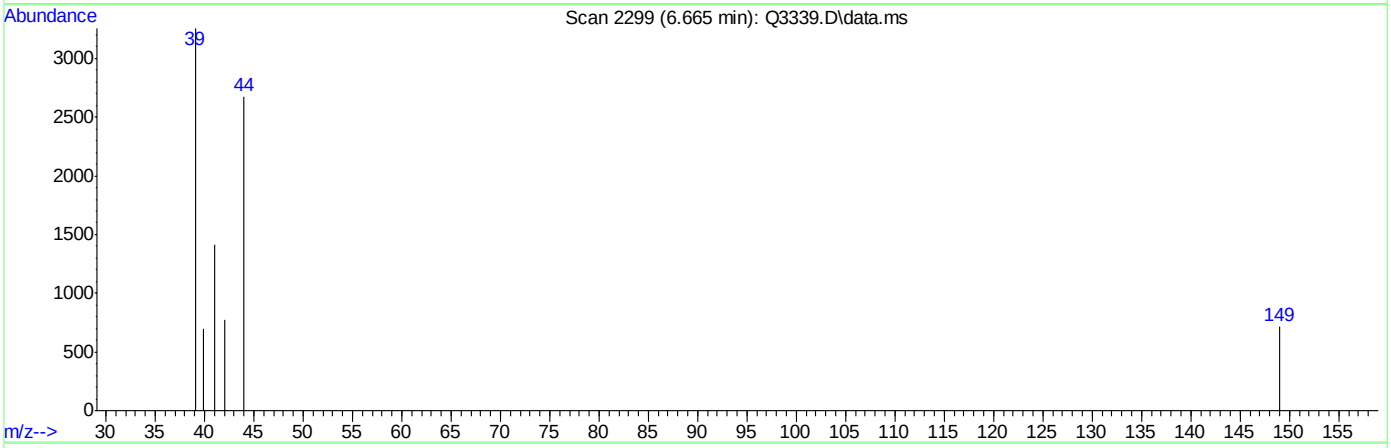
Ion	Exp%	Act%
39.00	100	100
41.00	114.00	109.60
76.00	46.50	10.09#
78.00	15.30	2.80

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3339.D
Acq On    :  4 May 2007   2:01 pm
Operator  : PhilipB
Sample    : IC180-.2 (M057)
Misc      : MS13469,MSQ180,,,,,1
ALS Vial  : 2   Sample Multiplier: 1

Quant Time: May 04 14:23:50 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 13:28:38 2007
Response via : Initial Calibration
```



TIC: Q3339.D\data.ms

(19) 3-CHLOROPROPENE (m)

6.665min (-0.002) 0.33PPBV m

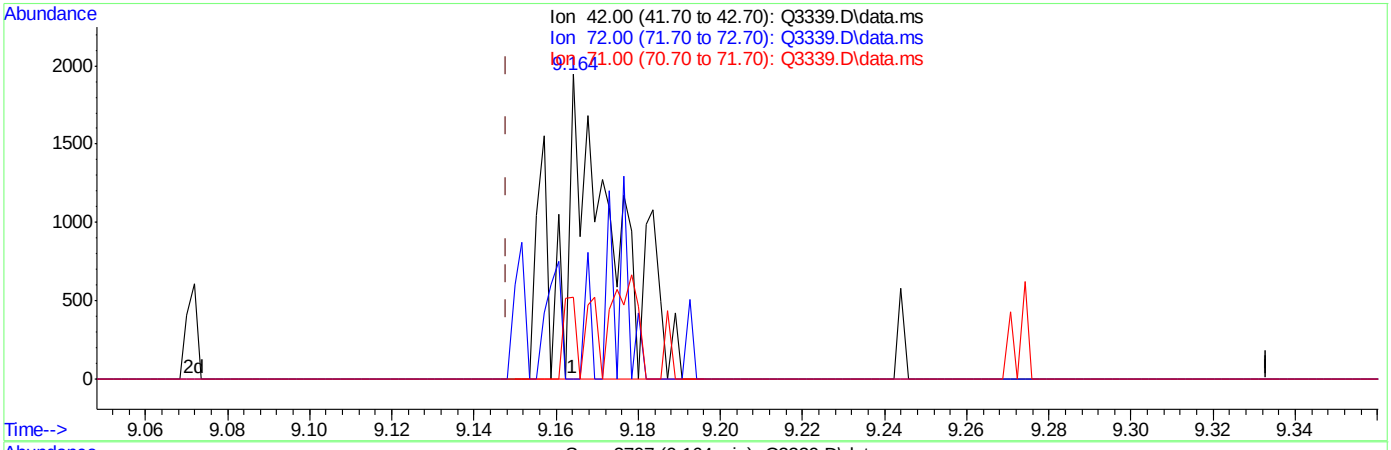
response 5778

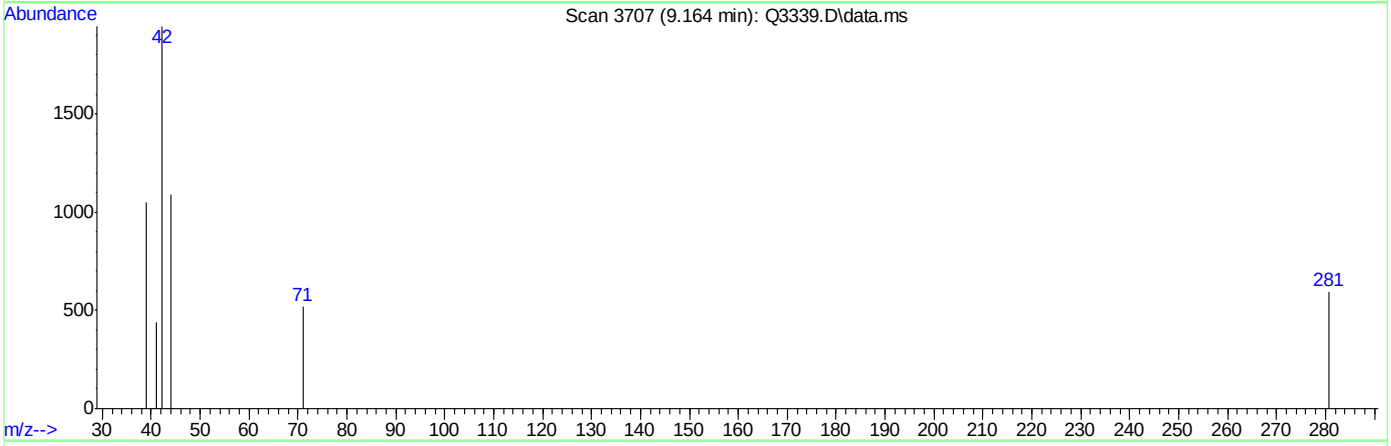
Ion	Exp%	Act%
39.00	100	100
41.00	114.00	73.88#
76.00	46.50	6.80#
78.00	15.30	1.89

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3339.D
Acq On : 4 May 2007 2:01 pm
Operator : PhilipB
Sample : IC180-.2 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 14:23:50 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 13:28:38 2007
Response via : Initial Calibration





TIC: Q3339.D\data.ms

(24) TETRAHYDROFURAN (m)

9.164min (+0.016) 0.15PPBV

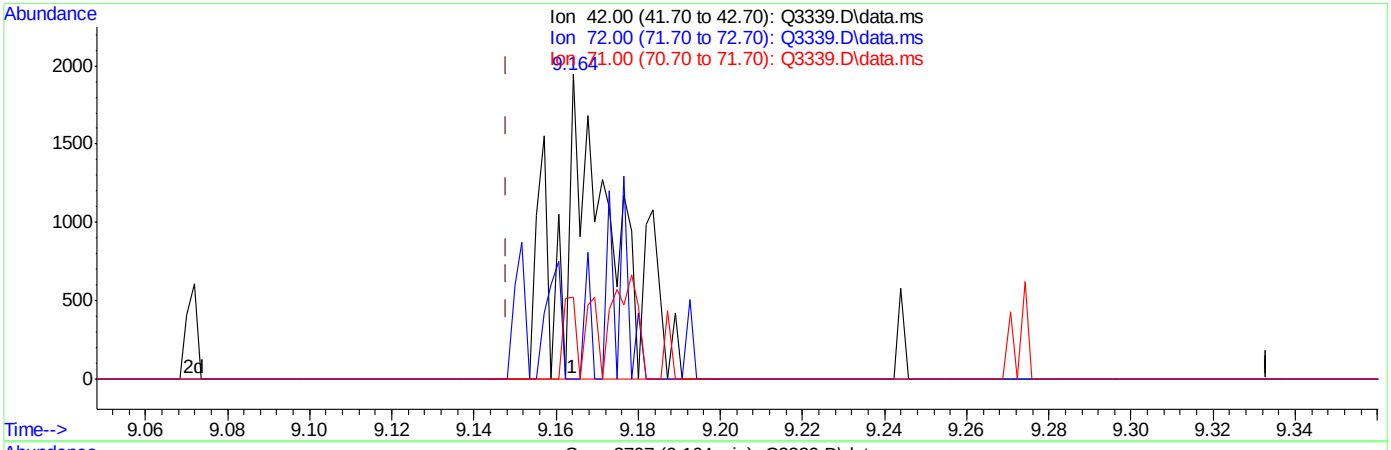
response 1836

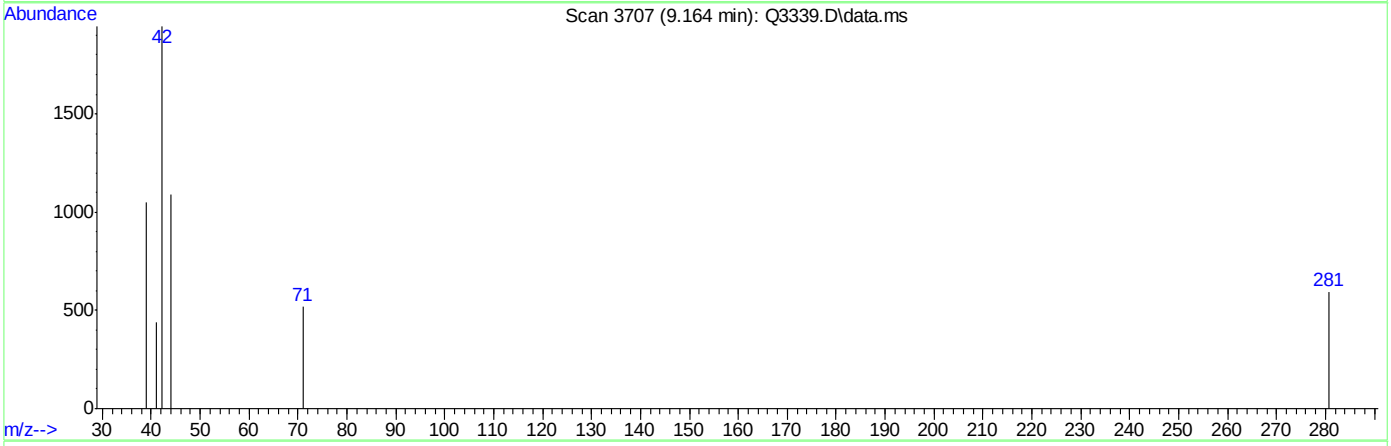
Ion	Exp%	Act%
42.00	100	100
72.00	42.70	8.55#
71.00	41.90	11.76#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3339.D
Acq On : 4 May 2007 2:01 pm
Operator : PhilipB
Sample : IC180-.2 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 14:23:50 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 13:28:38 2007
Response via : Initial Calibration





TIC: Q3339.D\data.ms

(24) TETRAHYDROFURAN (m)

9.164min (+0.016) 0.15PPBV m

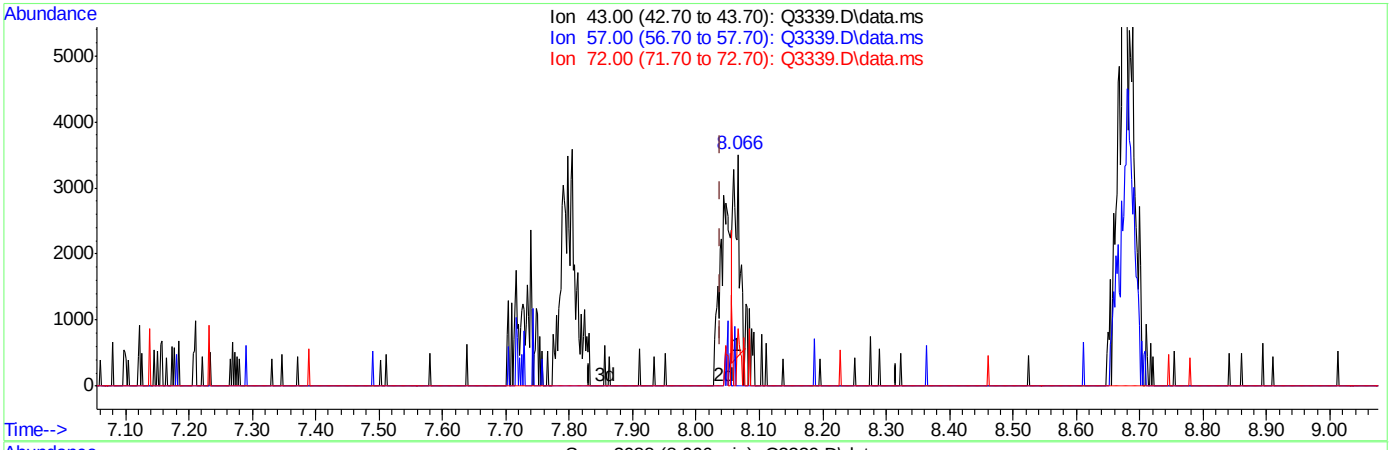
response 1835

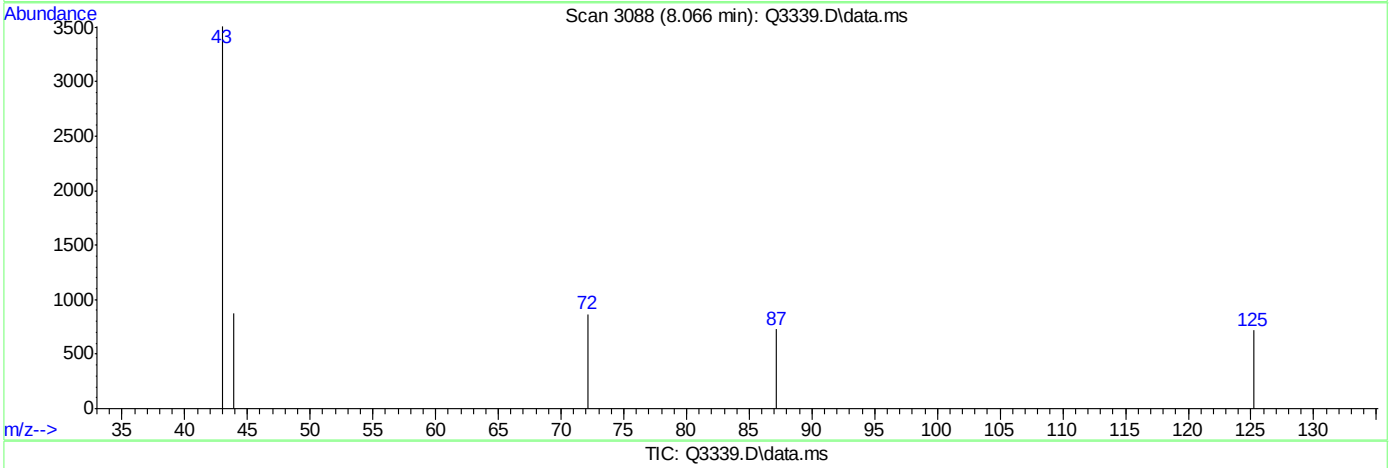
Ion	Exp%	Act%
42.00	100	100
72.00	42.70	8.56#
71.00	41.90	11.77#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3339.D
Acq On : 4 May 2007 2:01 pm
Operator : PhilipB
Sample : IC180-.2 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 14:23:50 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 13:28:38 2007
Response via : Initial Calibration





TIC: Q3339.D\data.ms

(28) METHYL ETHYL KETONE (m)

8.066min (+0.027) 0.07PPBV

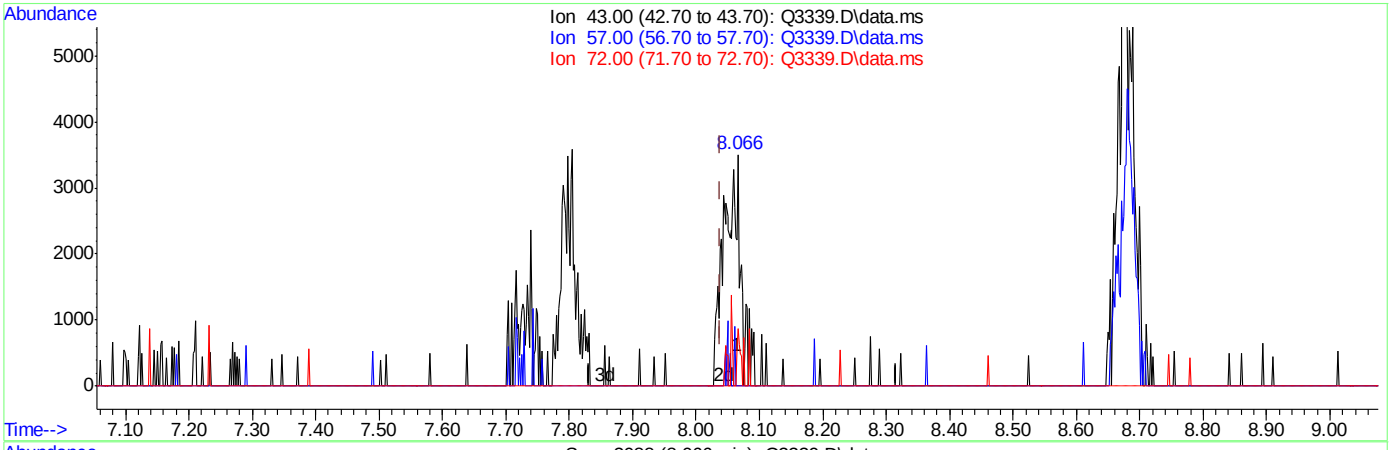
response 1884

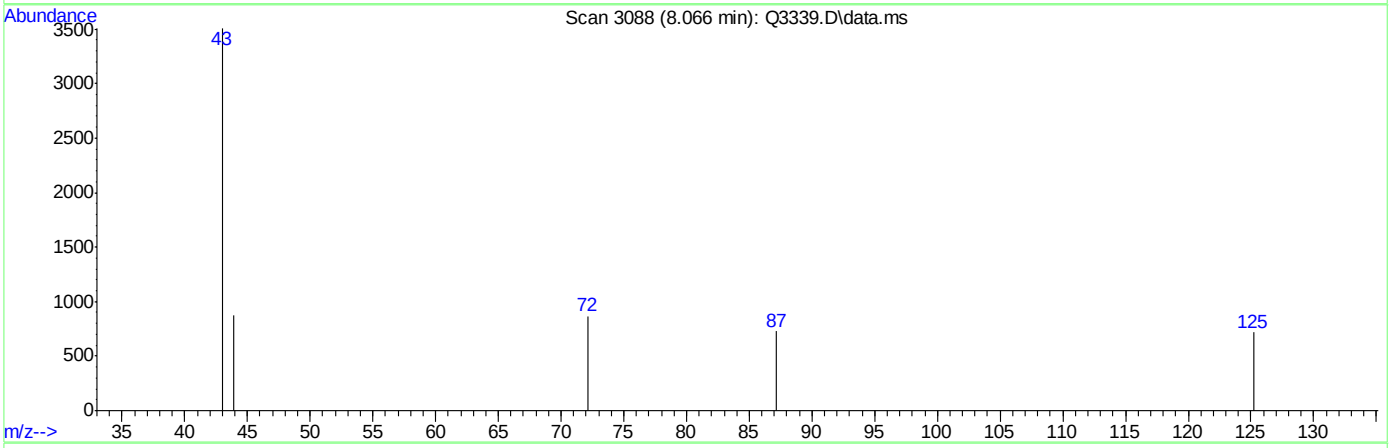
Ion	Exp%	Act%
43.00	100	100
57.00	6.80	0.00
72.00	20.50	24.73
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3339.D
Acq On : 4 May 2007 2:01 pm
Operator : PhilipB
Sample : IC180-.2 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 14:23:50 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 13:28:38 2007
Response via : Initial Calibration





TIC: Q3339.D\data.ms

(28) METHYL ETHYL KETONE (m)

8.066min (+0.027) 0.24PPBV m

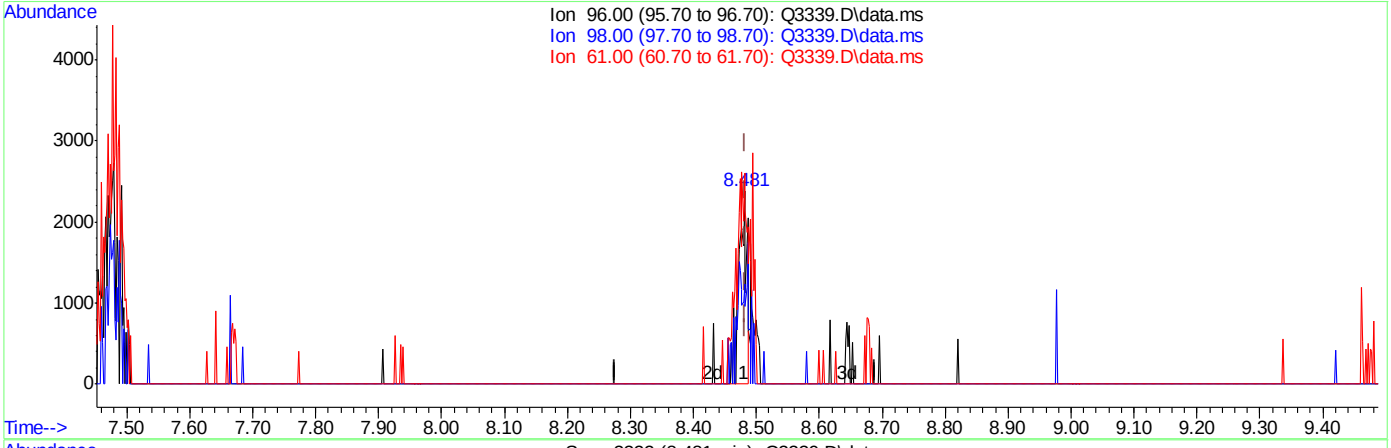
response 6170

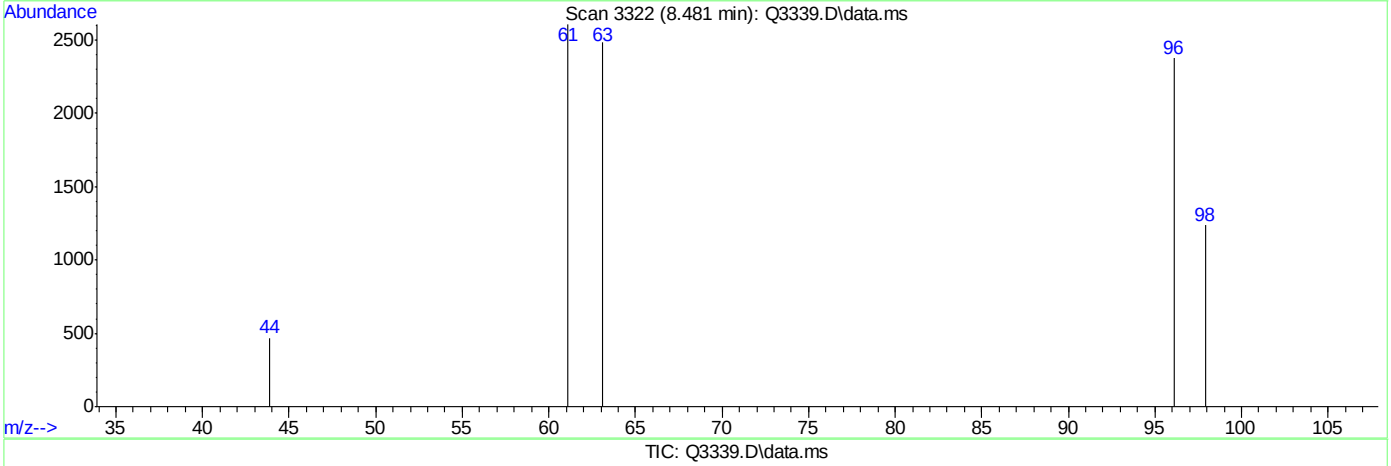
Ion	Exp%	Act%
43.00	100	100
57.00	6.80	0.00
72.00	20.50	24.73
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3339.D
Acq On : 4 May 2007 2:01 pm
Operator : PhilipB
Sample : IC180-.2 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 14:23:50 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 13:28:38 2007
Response via : Initial Calibration





TIC: Q3339.D\data.ms

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

8.481min (-0.002) 0.18PPBV

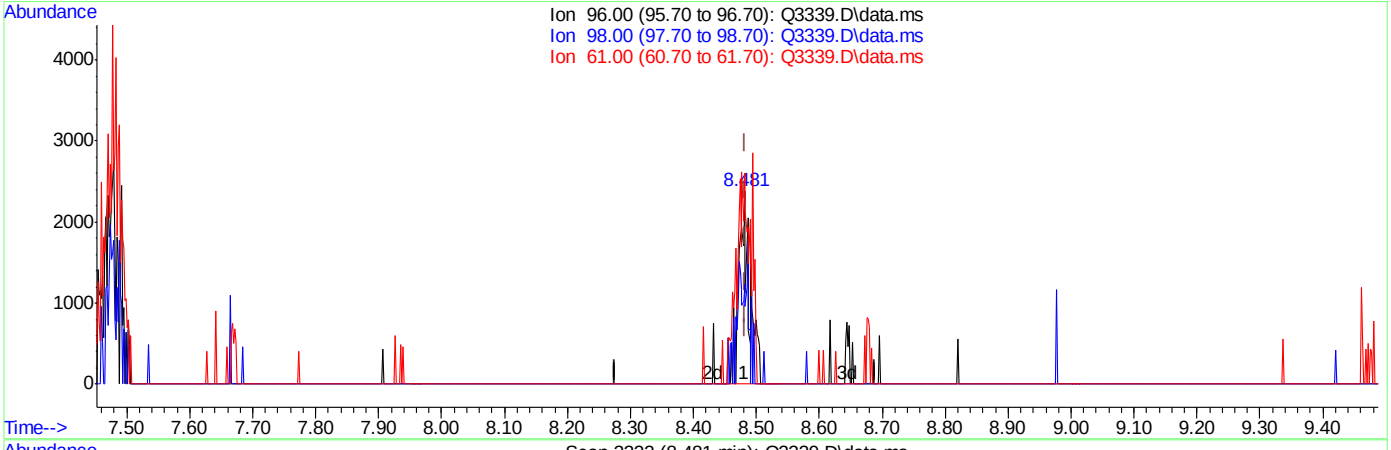
response 2212

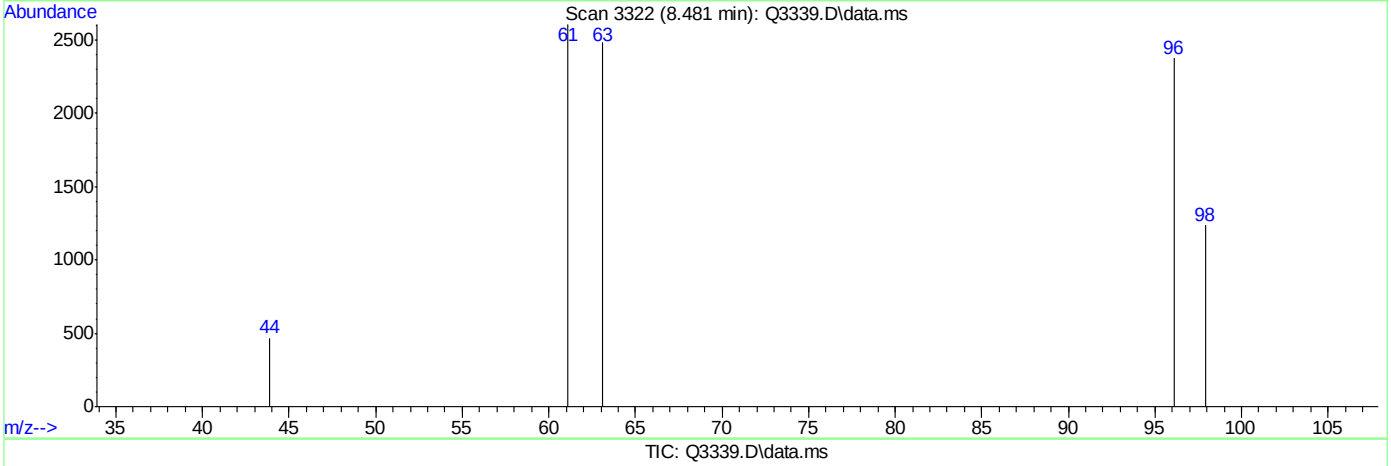
Ion	Exp%	Act%
96.00	100	100
98.00	64.10	0.00#
61.00	148.70	147.83
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3339.D
Acq On : 4 May 2007 2:01 pm
Operator : PhilipB
Sample : IC180-.2 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 14:23:50 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 13:28:38 2007
Response via : Initial Calibration





TIC: Q3339.D\data.ms

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

8.481min (-0.002) 0.24PPBV m

response 3033

Ion	Exp%	Act%
96.00	100	100
98.00	64.10	0.00#
61.00	148.70	107.81#
0.00	0.00	0.00

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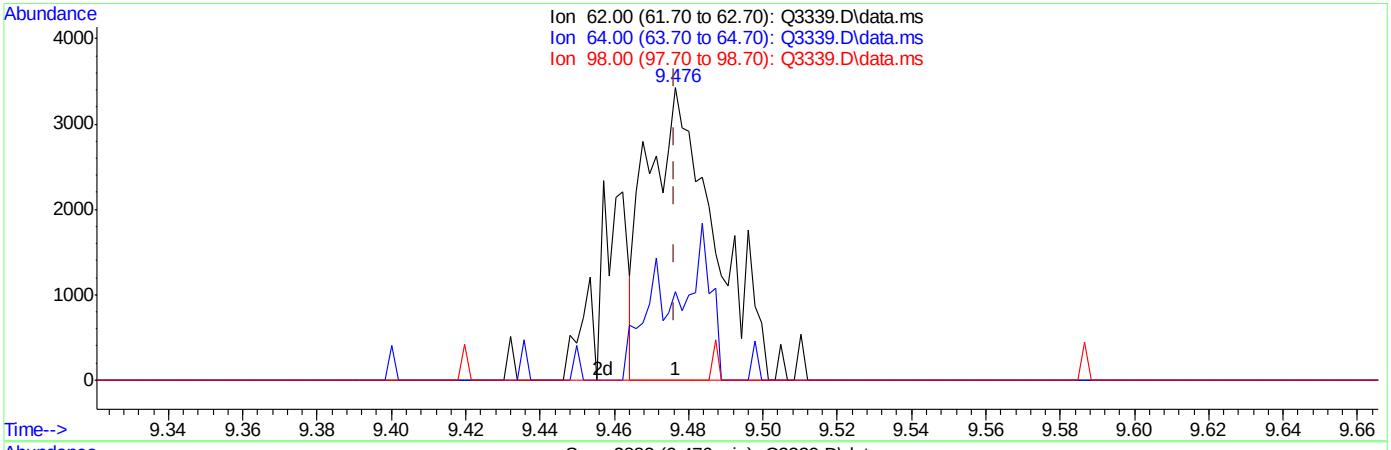
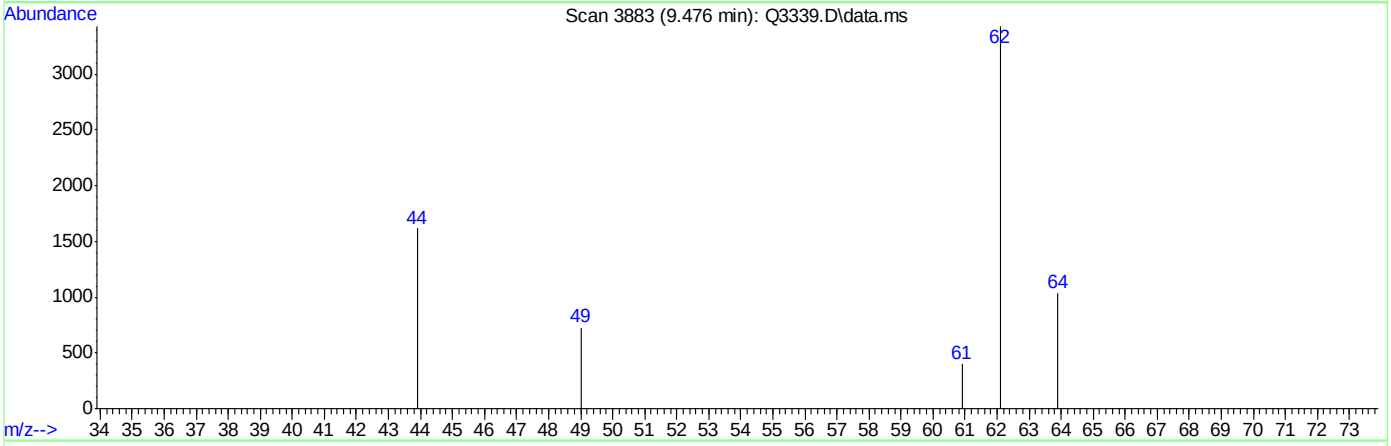
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3339.D
Acq On : 4 May 2007 2:01 pm
Operator : PhilipB
Sample : IC180-.2 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 14:23:50 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 13:28:38 2007
Response via : Initial Calibration





TIC: Q3339.D\data.ms

(34) 1,2-DICHLOROETHANE (m)

9.476min (+0.000) 0.20PPBV

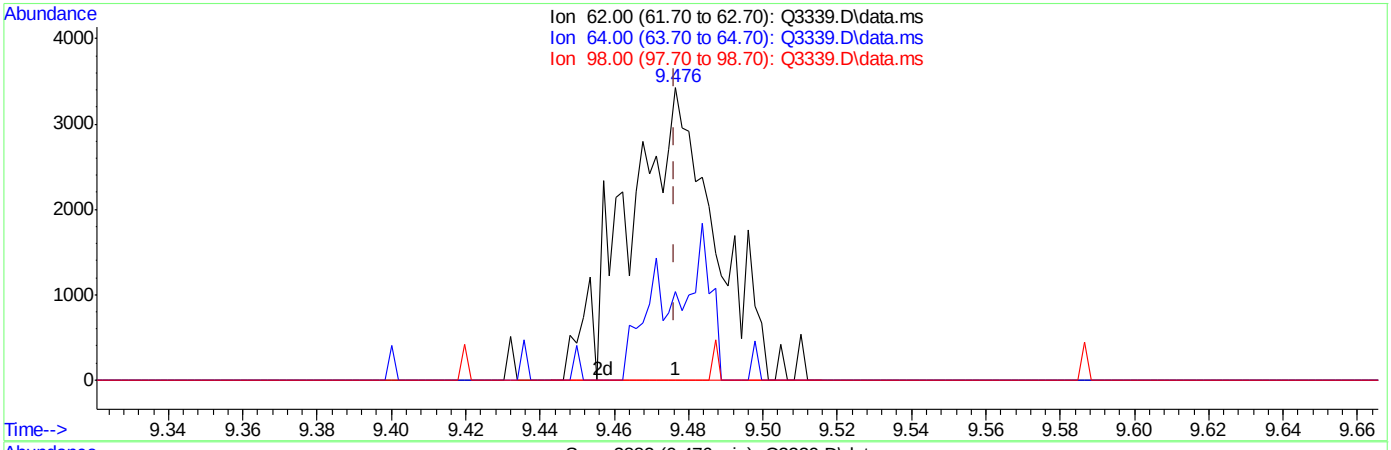
response 4329

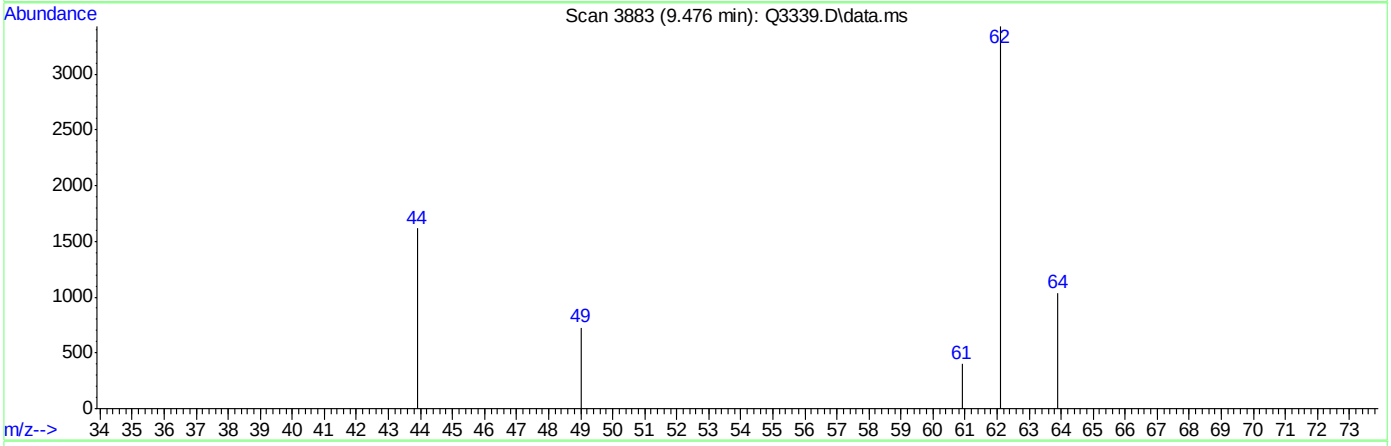
Ion	Exp%	Act%
62.00	100	100
64.00	31.80	33.17
98.00	5.80	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3339.D
Acq On : 4 May 2007 2:01 pm
Operator : PhilipB
Sample : IC180-.2 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 14:23:50 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 13:28:38 2007
Response via : Initial Calibration





TIC: Q3339.D\data.ms

(34) 1,2-DICHLOROETHANE (m)

9.476min (+0.000) 0.26PPBV m

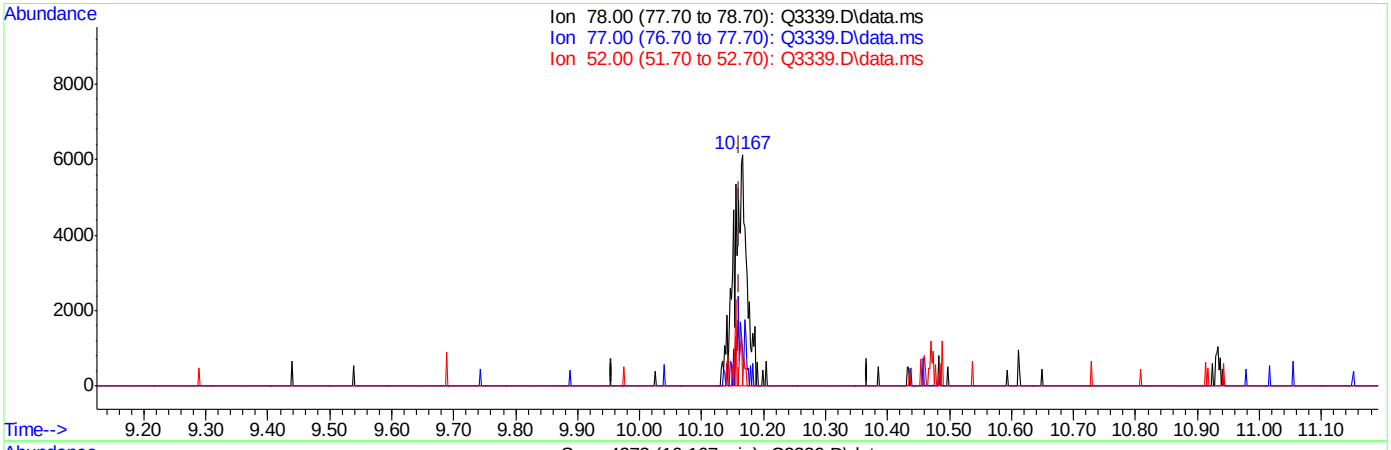
response 5667

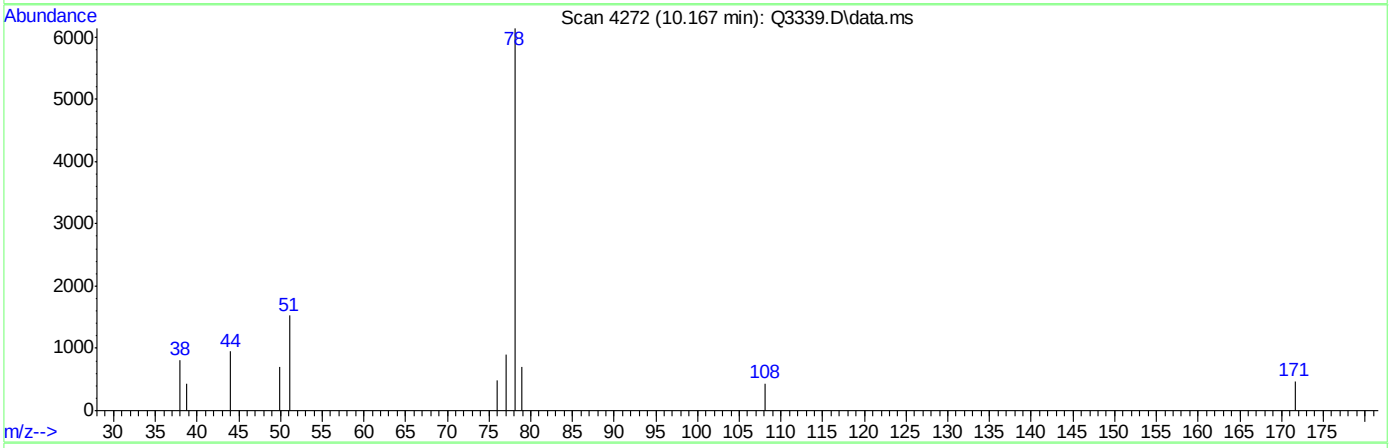
Ion	Exp%	Act%
62.00	100	100
64.00	31.80	25.34
98.00	5.80	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3339.D
Acq On : 4 May 2007 2:01 pm
Operator : PhilipB
Sample : IC180-.2 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 14:23:50 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 13:28:38 2007
Response via : Initial Calibration





TIC: Q3339.D\data.ms

(36) BENZENE (m)

10.167min (+0.005) 0.28PPBV

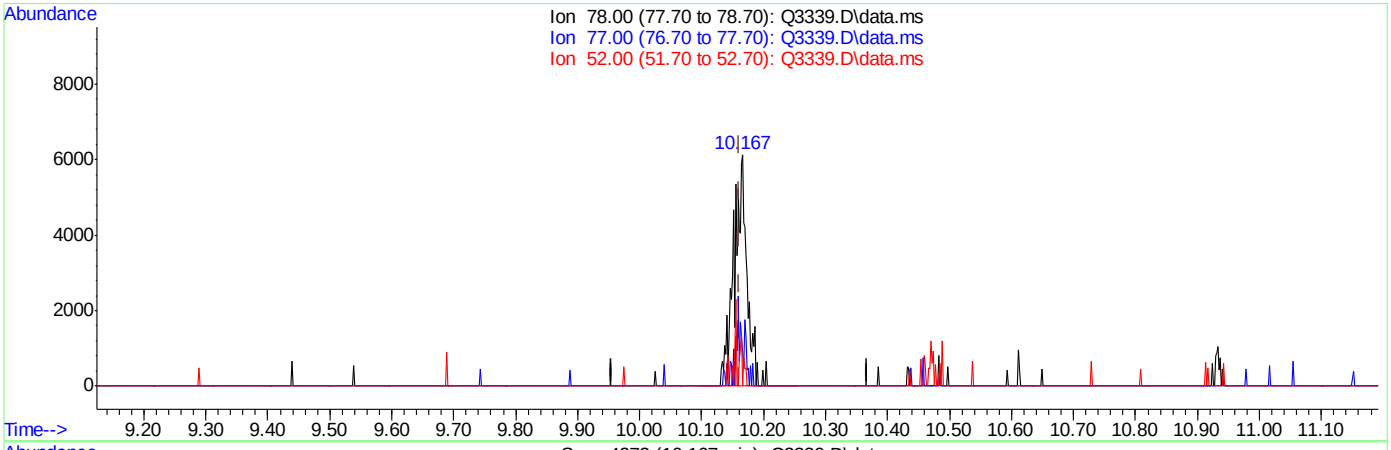
response 9070

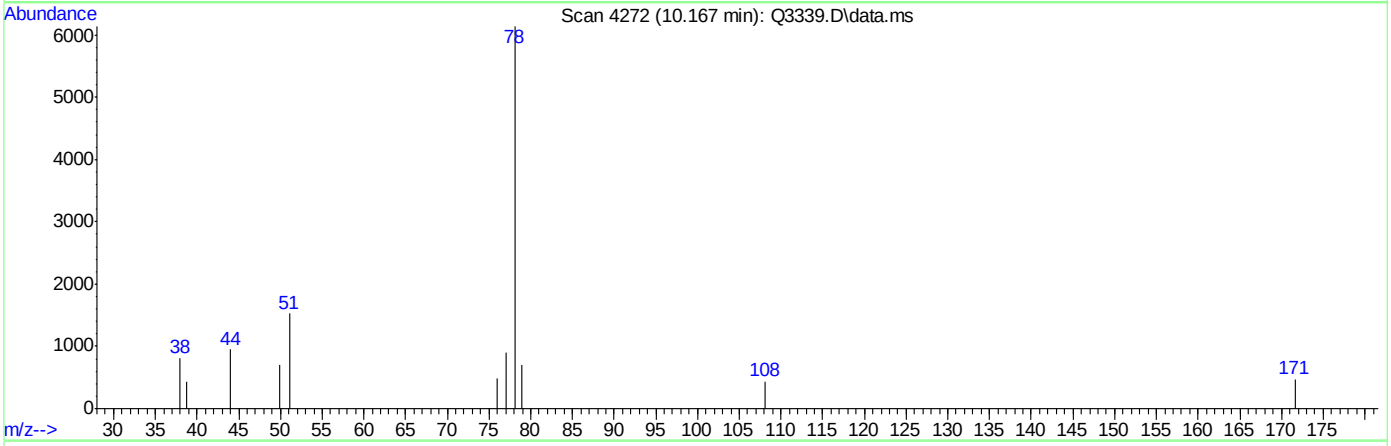
Ion	Exp%	Act%
78.00	100	100
77.00	23.30	0.00#
52.00	17.20	5.53
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3339.D
Acq On : 4 May 2007 2:01 pm
Operator : PhilipB
Sample : IC180-.2 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 14:23:50 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 13:28:38 2007
Response via : Initial Calibration





TIC: Q3339.D\data.ms

(36) BENZENE (m)

10.167min (+0.005) 0.29PPBV m

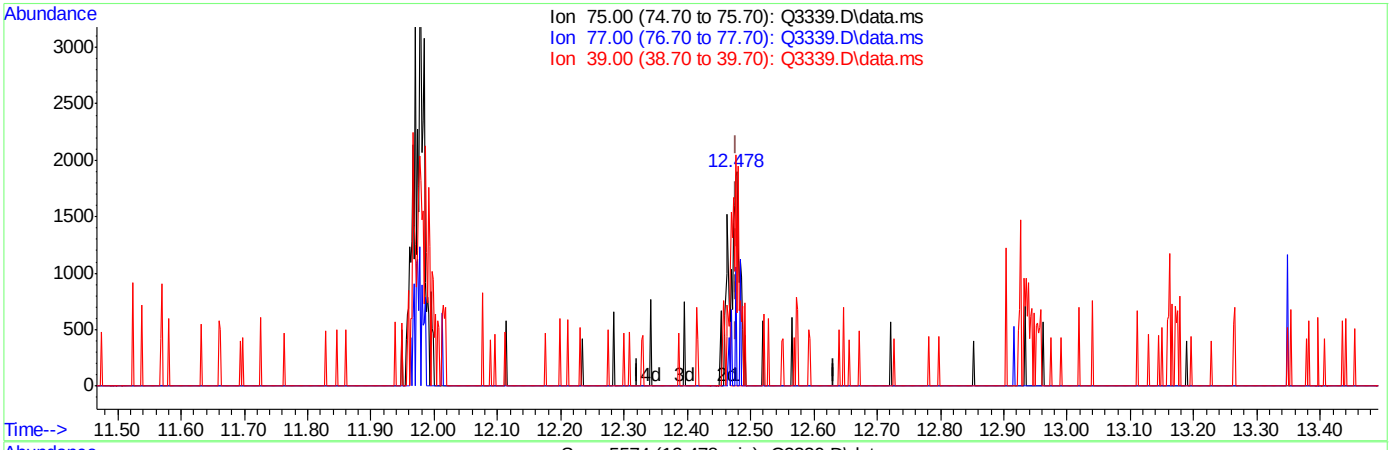
response 9184

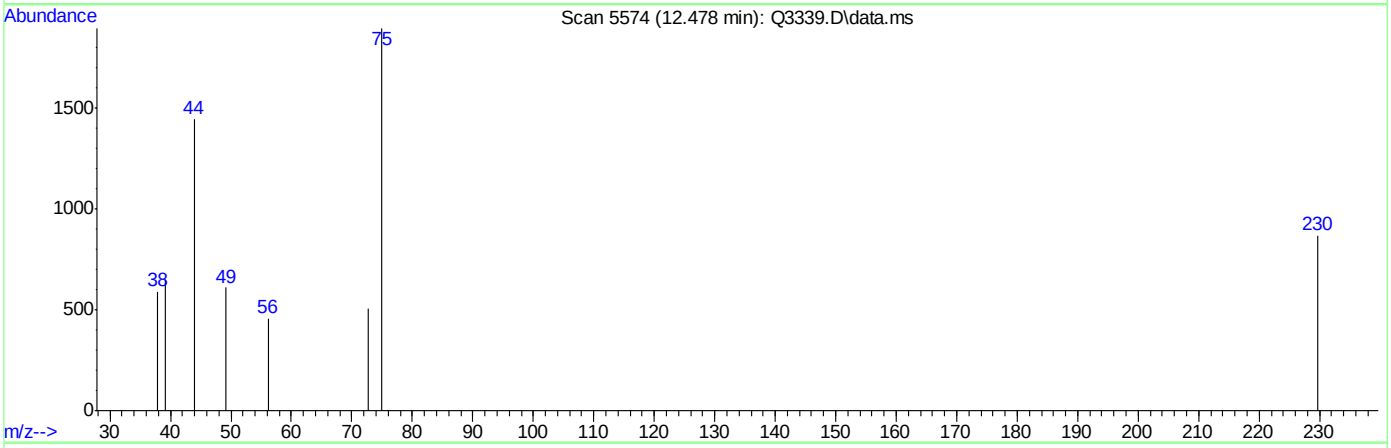
Ion	Exp%	Act%
78.00	100	100
77.00	23.30	0.00#
52.00	17.20	5.47
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3339.D
Acq On : 4 May 2007 2:01 pm
Operator : PhilipB
Sample : IC180-.2 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 14:23:50 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 13:28:38 2007
Response via : Initial Calibration





TIC: Q3339.D\data.ms

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

12.478min (+0.000) 0.11PPBV

response 1457

Ion	Exp%	Act%
75.00	100	100
77.00	30.80	0.00#
39.00	53.10	128.41#
0.00	0.00	0.00

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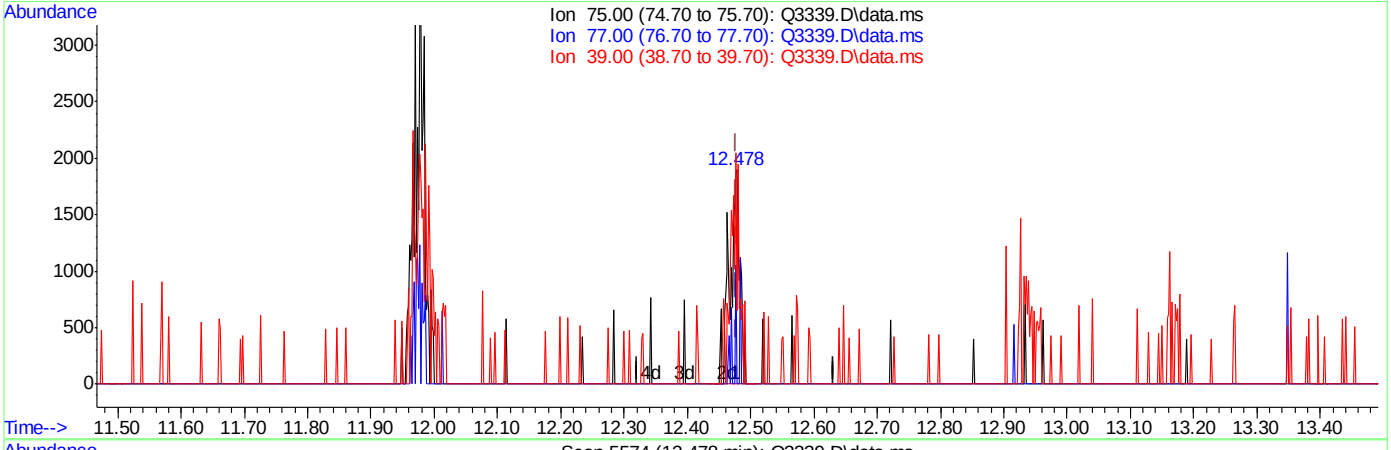
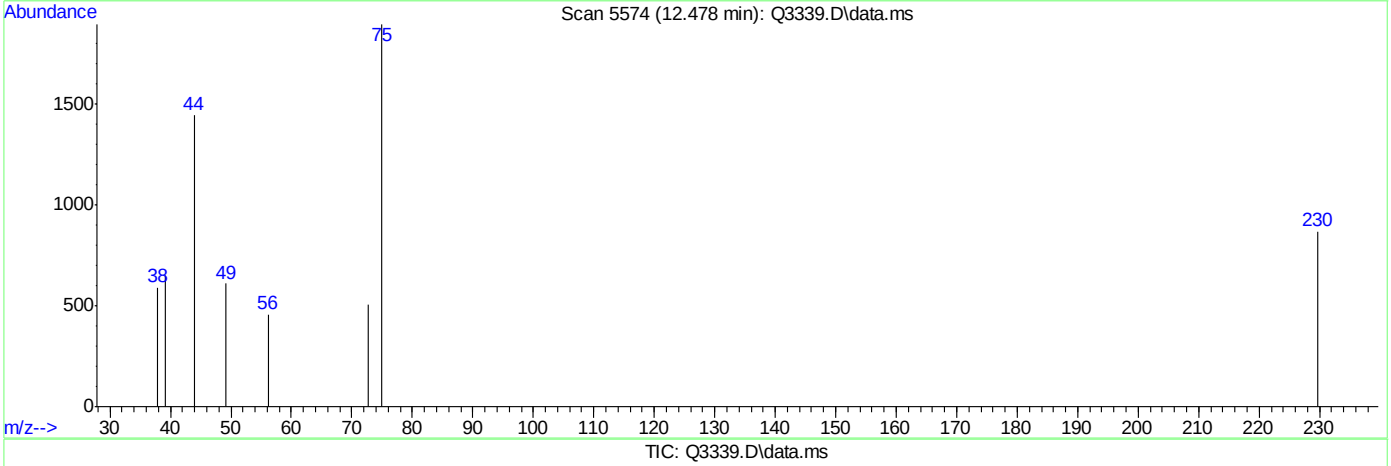
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3339.D
Acq On : 4 May 2007 2:01 pm
Operator : PhilipB
Sample : IC180-.2 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 14:23:50 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 13:28:38 2007
Response via : Initial Calibration





TIC: Q3339.D\data.ms

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

12.478min (+0.000) 0.16PPBV m

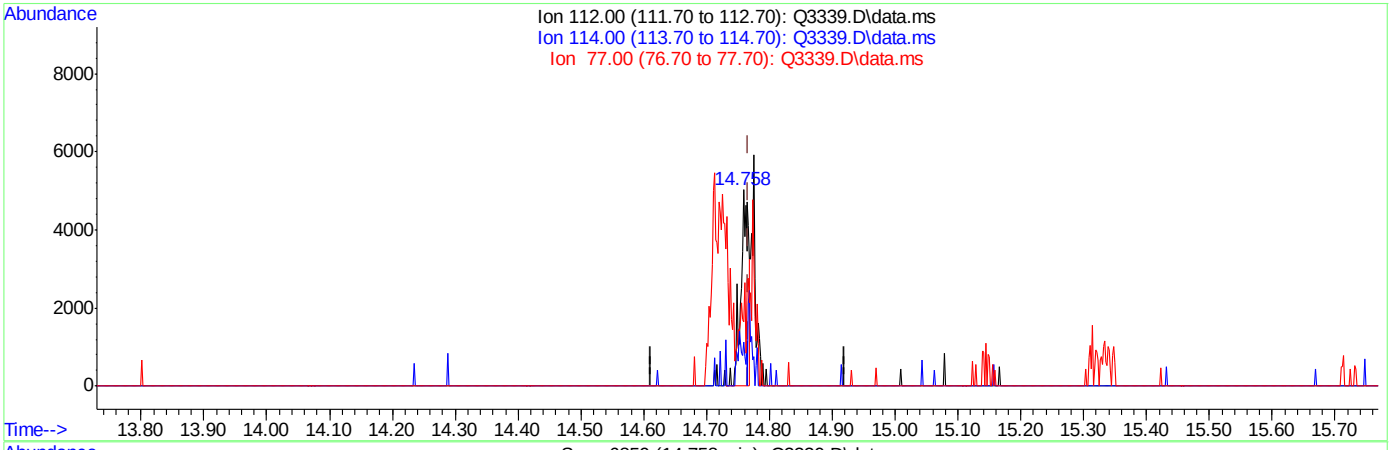
response 2089

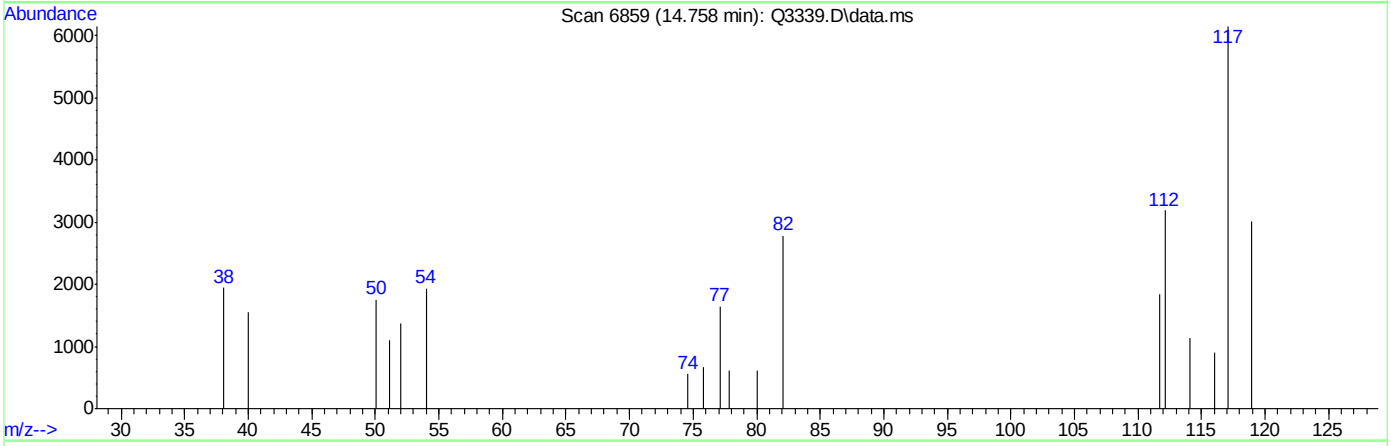
Ion	Exp%	Act%
75.00	100	100
77.00	30.80	0.00#
39.00	53.10	89.56#
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3339.D
Acq On    :  4 May 2007   2:01 pm
Operator  : PhilipB
Sample    : IC180-.2 (M057)
Misc      : MS13469,MSQ180,,,,,1
ALS Vial  : 2   Sample Multiplier: 1

Quant Time: May 04 14:23:50 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 13:28:38 2007
Response via : Initial Calibration
```



TIC: Q3339.D\data.ms

(54) CHLOROBENZENE (m)

14.758min (-0.009) 0.16PPBV

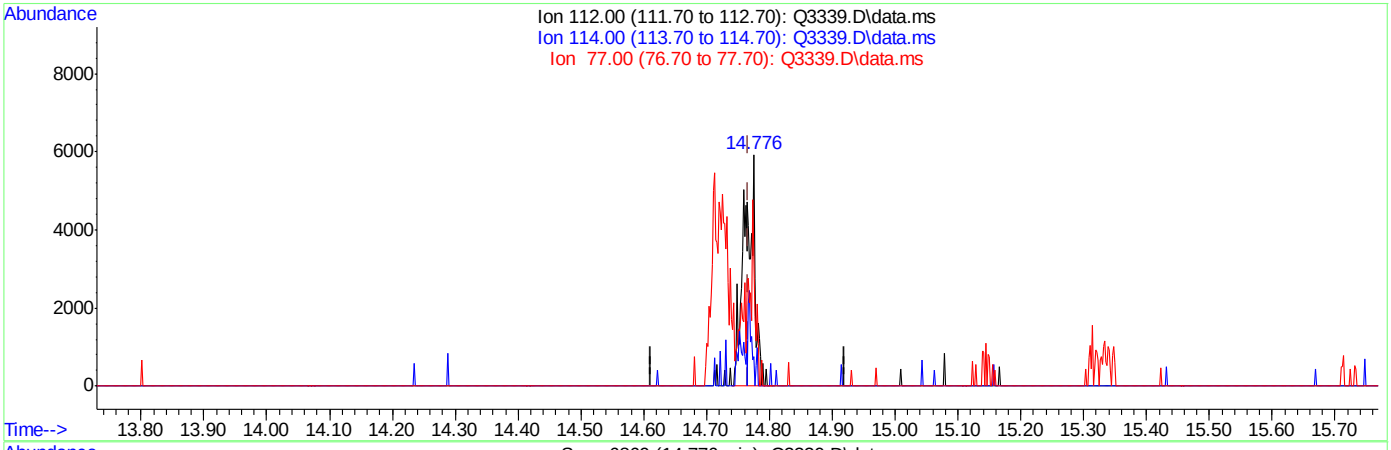
response 4614

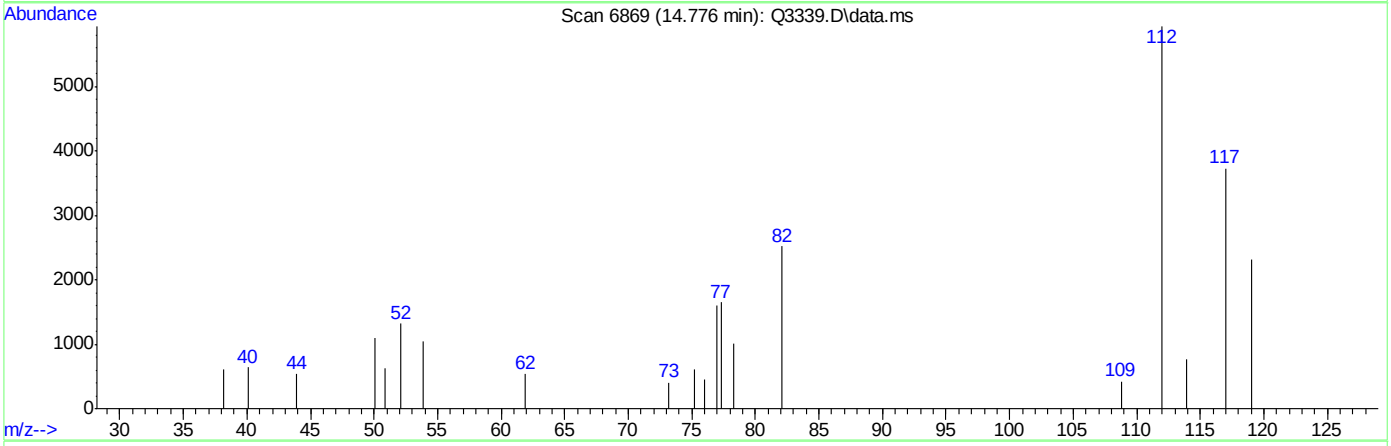
Ion	Exp%	Act%
112.00	100	100
114.00	31.40	23.60
77.00	61.50	21.02#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3339.D
Acq On : 4 May 2007 2:01 pm
Operator : PhilipB
Sample : IC180-.2 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 14:23:50 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 13:28:38 2007
Response via : Initial Calibration





TIC: Q3339.D\data.ms

(54) CHLOROBENZENE (m)

14.776min (+0.009) 0.25PPBV m

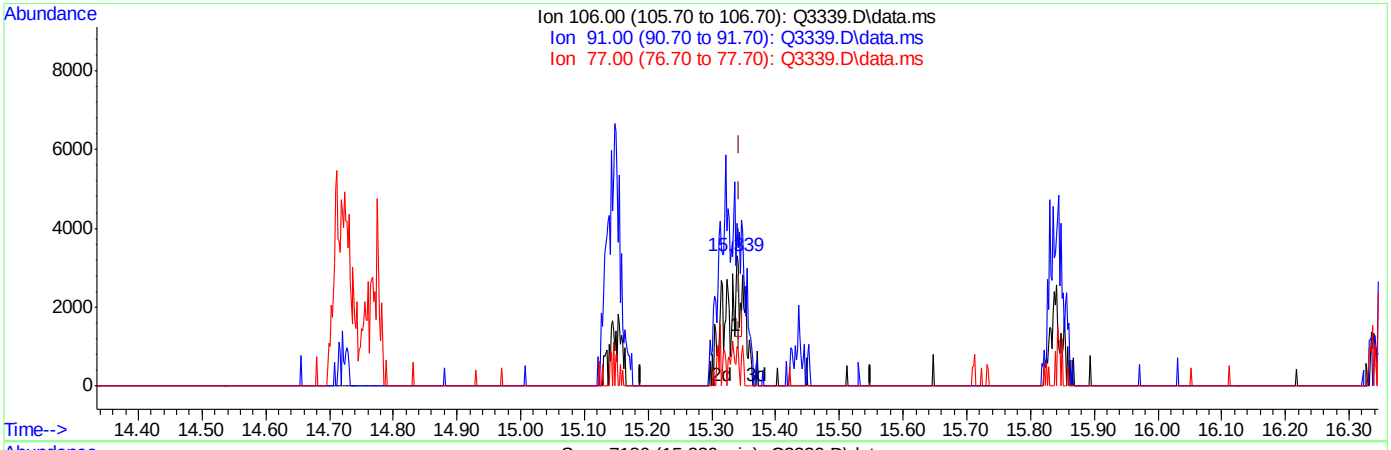
response 7323

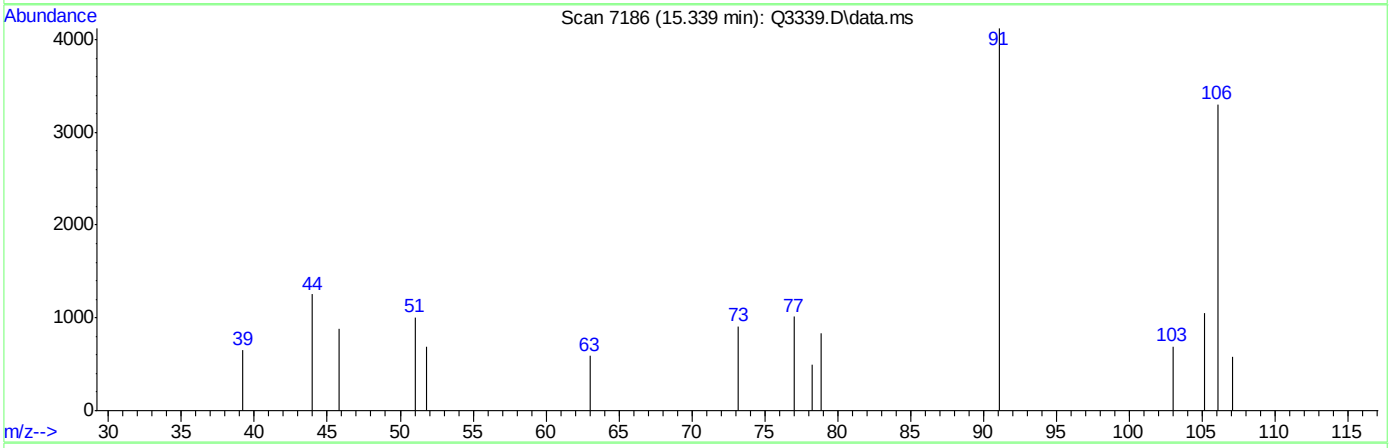
Ion	Exp%	Act%
112.00	100	100
114.00	31.40	14.87
77.00	61.50	13.25#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3339.D
Acq On : 4 May 2007 2:01 pm
Operator : PhilipB
Sample : IC180-.2 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 14:23:50 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 13:28:38 2007
Response via : Initial Calibration





TIC: Q3339.D\data.ms

(56) m,p-XYLENE (m)

15.339min (-0.005) 0.04PPBV

response 716

Ion	Exp%	Act%
106.00	100	100
91.00	212.80	124.74#
77.00	31.20	30.70
0.00	0.00	0.00

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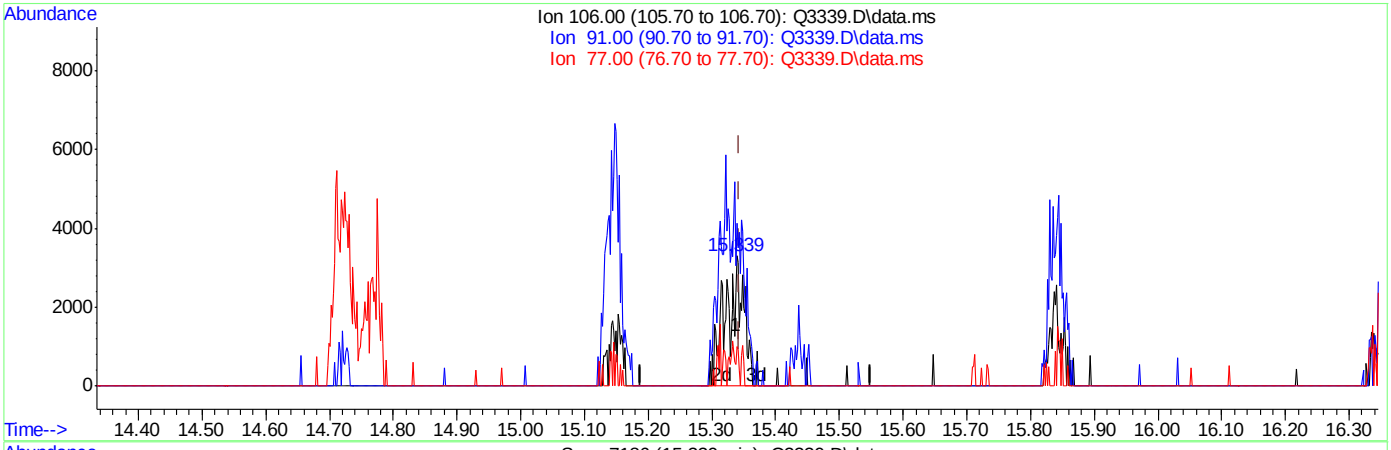
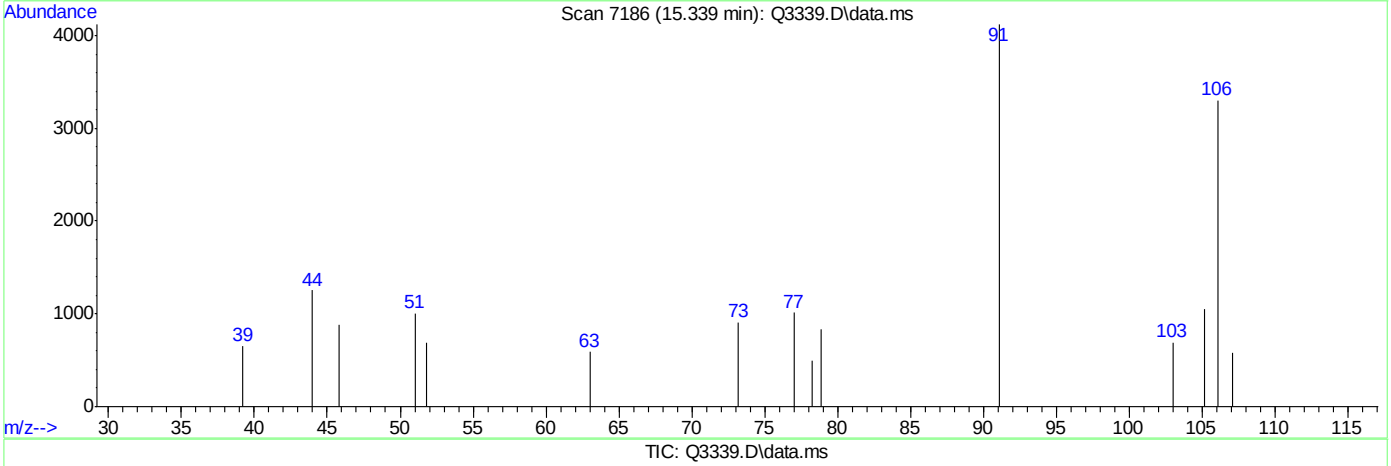
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3339.D
Acq On : 4 May 2007 2:01 pm
Operator : PhilipB
Sample : IC180-.2 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 14:23:50 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 13:28:38 2007
Response via : Initial Calibration





TIC: Q3339.D\data.ms

(56) m,p-XYLENE (m)

15.339min (-0.005) 0.36PPBV m

response 6506

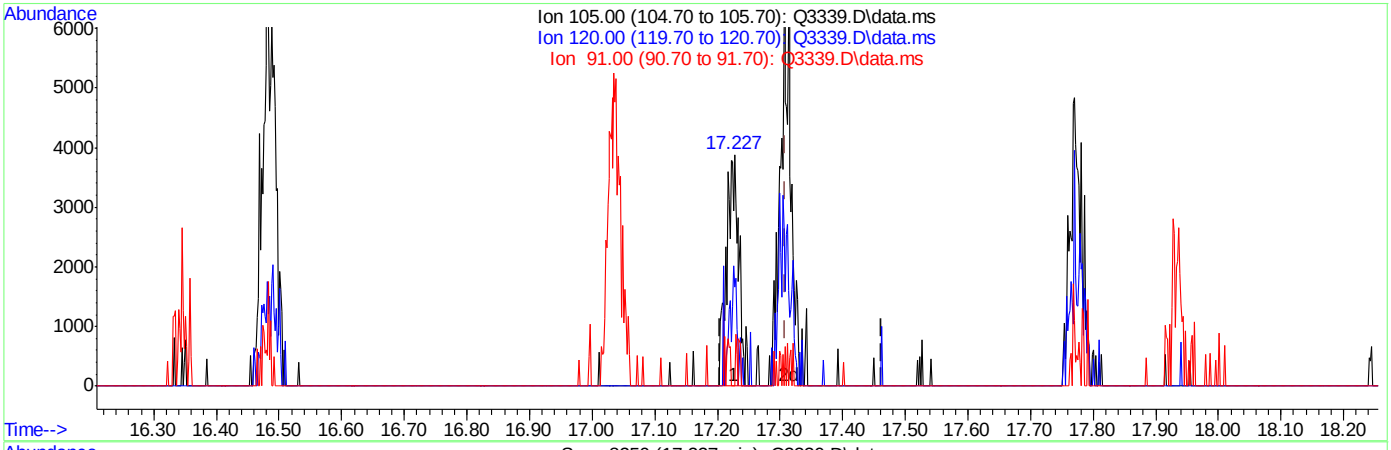
Ion	Exp%	Act%
106.00	100	100
91.00	212.80	124.74#
77.00	31.20	30.70
0.00	0.00	0.00

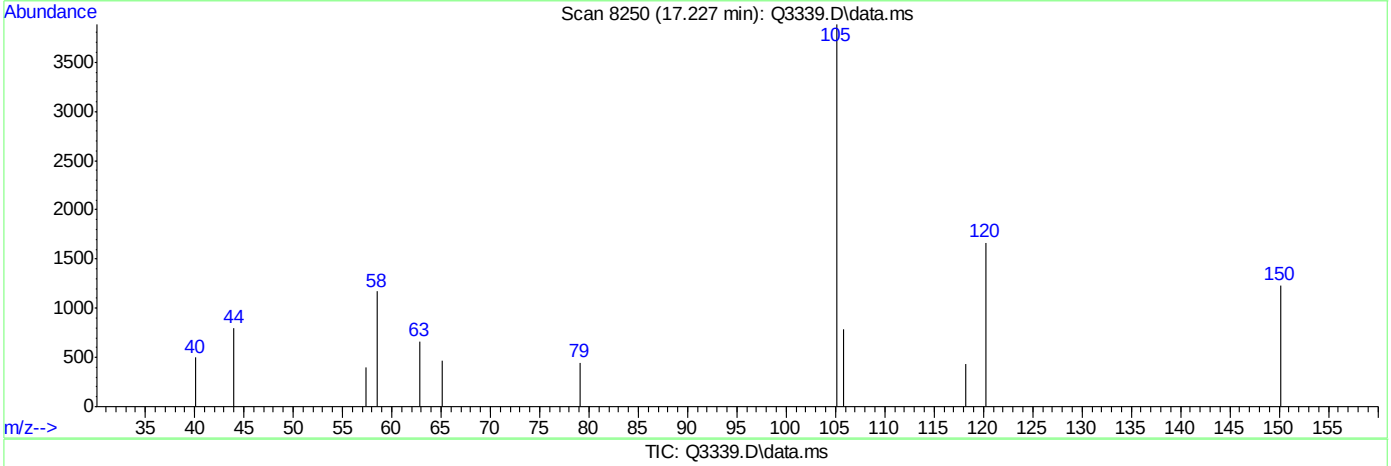
ACCUTEST Laboratories M64809

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3339.D
Acq On : 4 May 2007 2:01 pm
Operator : PhilipB
Sample : IC180-.2 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 14:23:50 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 13:28:38 2007
Response via : Initial Calibration





TIC: Q3339.D\data.ms

(66) 1,3,5-TRIMETHYLBENZENE (m)

17.227min (-0.081) 0.10PPBV

response 4866

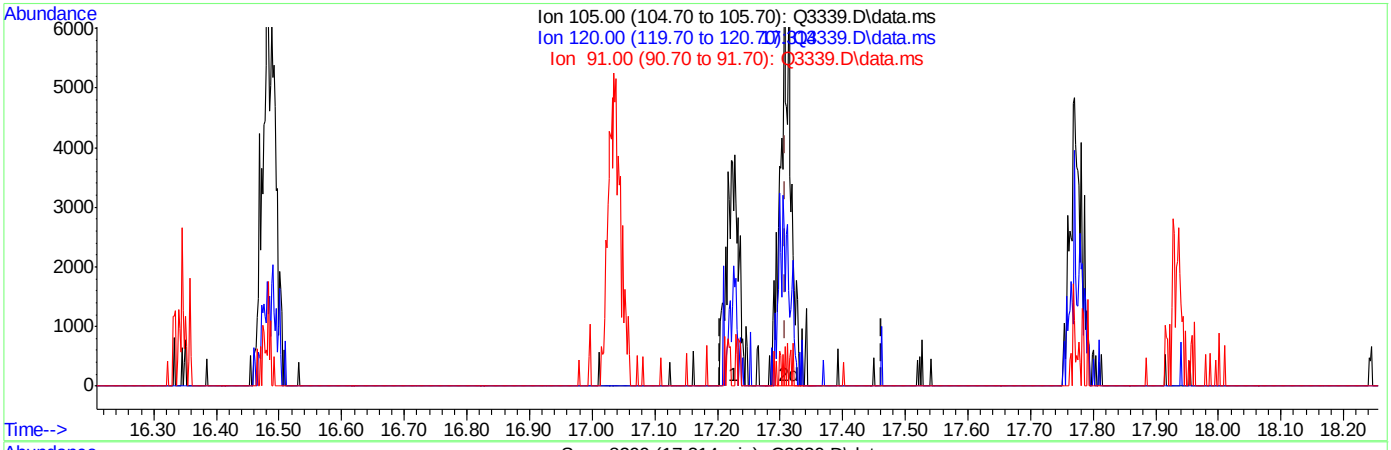
Ion	Exp%	Act%
105.00	100	100
120.00	46.30	27.78
91.00	11.60	6.35
0.00	0.00	0.00

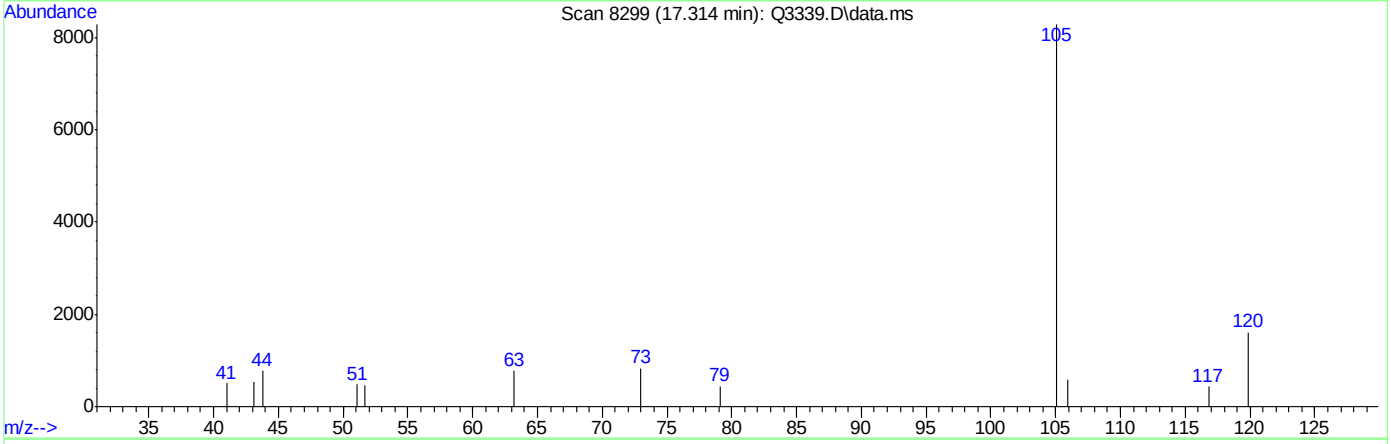
ACCUTEST Laboratories M64809

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3339.D
Acq On : 4 May 2007 2:01 pm
Operator : PhilipB
Sample : IC180-.2 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 14:23:50 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 13:28:38 2007
Response via : Initial Calibration





TIC: Q3339.D\data.ms

(66) 1,3,5-TRIMETHYLBENZENE (m)

17.314min (+0.005) 0.17PPBV m

response 8057

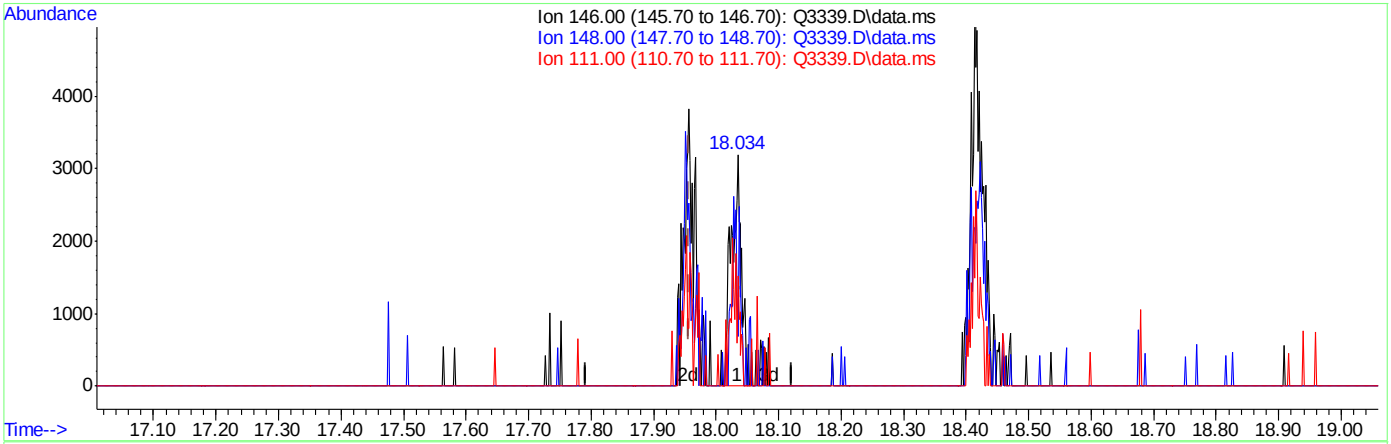
Ion	Exp%	Act%
105.00	100	100
120.00	46.30	16.78#
91.00	11.60	3.84
0.00	0.00	0.00

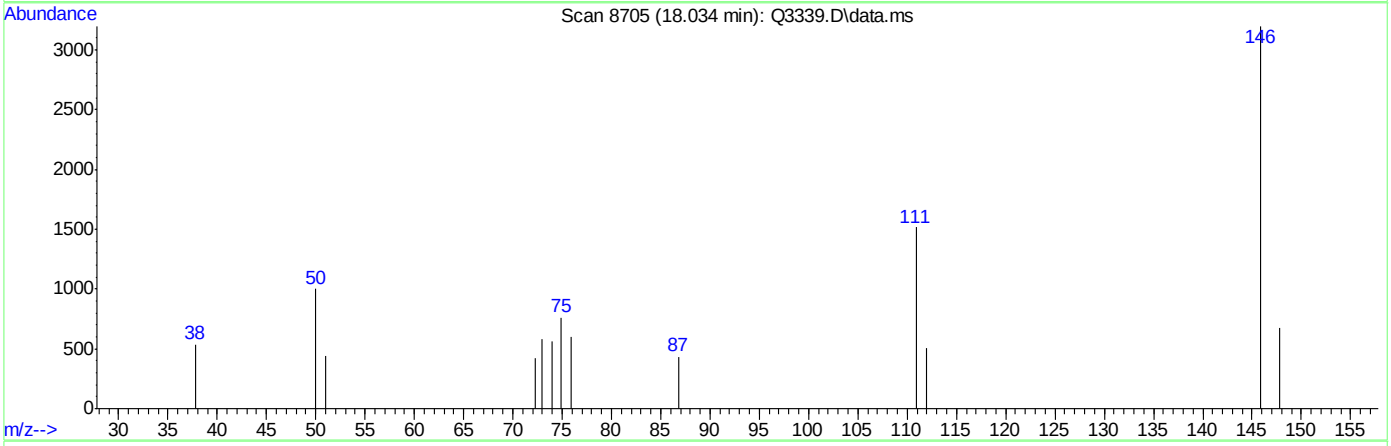
ACCUTEST Laboratories M64809

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3339.D
Acq On : 4 May 2007 2:01 pm
Operator : PhilipB
Sample : IC180-.2 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 14:23:50 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 13:28:38 2007
Response via : Initial Calibration





TIC: Q3339.D\data.ms

(68) m-DICHLOROBENZENE (m)

18.034min (+0.076) 0.15PPBV

response 3791

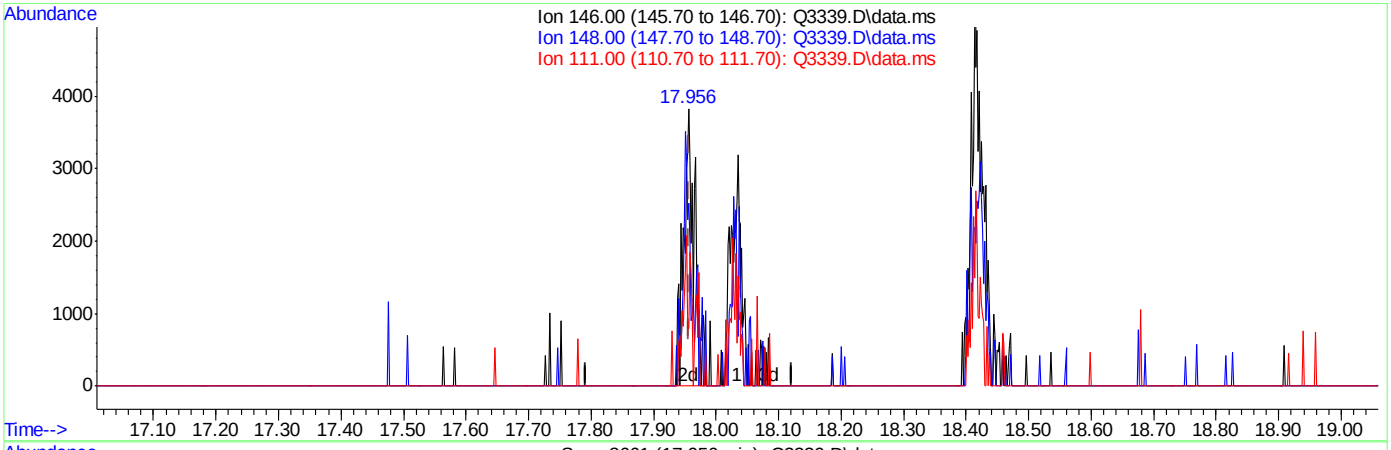
Ion	Exp%	Act%
146.00	100	100
148.00	63.80	60.09
111.00	40.20	45.50
0.00	0.00	0.00

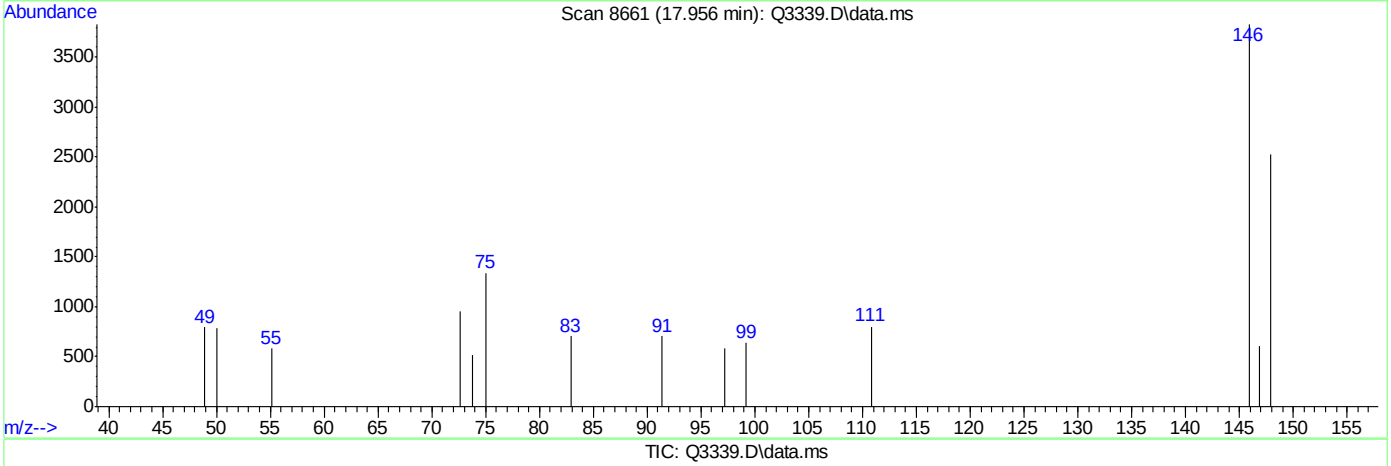
ACCUTEST Laboratories M64809

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3339.D
Acq On : 4 May 2007 2:01 pm
Operator : PhilipB
Sample : IC180-.2 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 14:23:50 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 13:28:38 2007
Response via : Initial Calibration





TIC: Q3339.D\data.ms

(68) m-DICHLOROBENZENE (m)

17.956min (-0.002) 0.18PPBV m

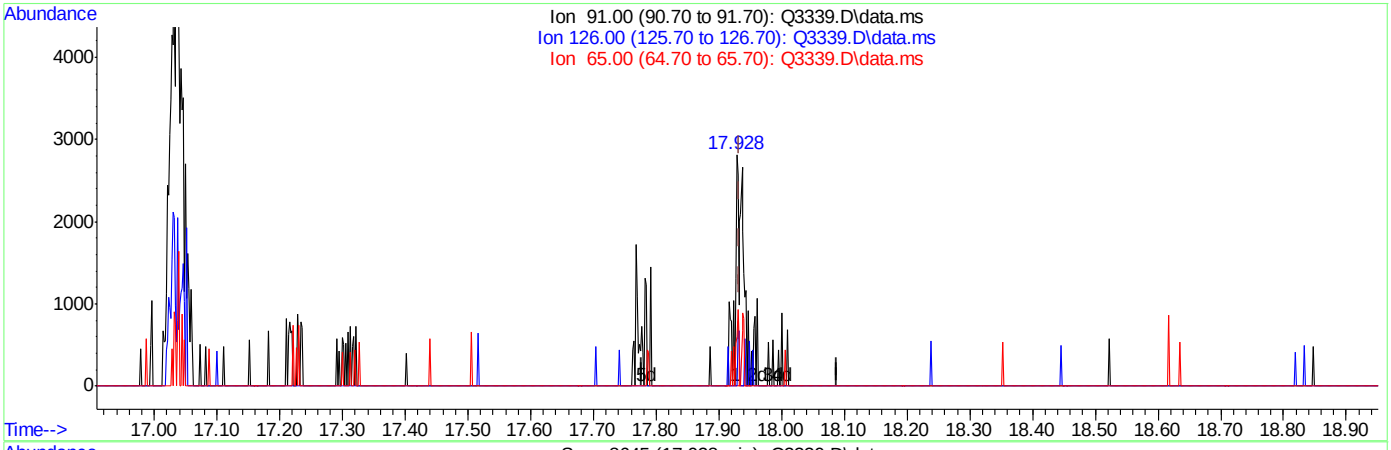
response 4726

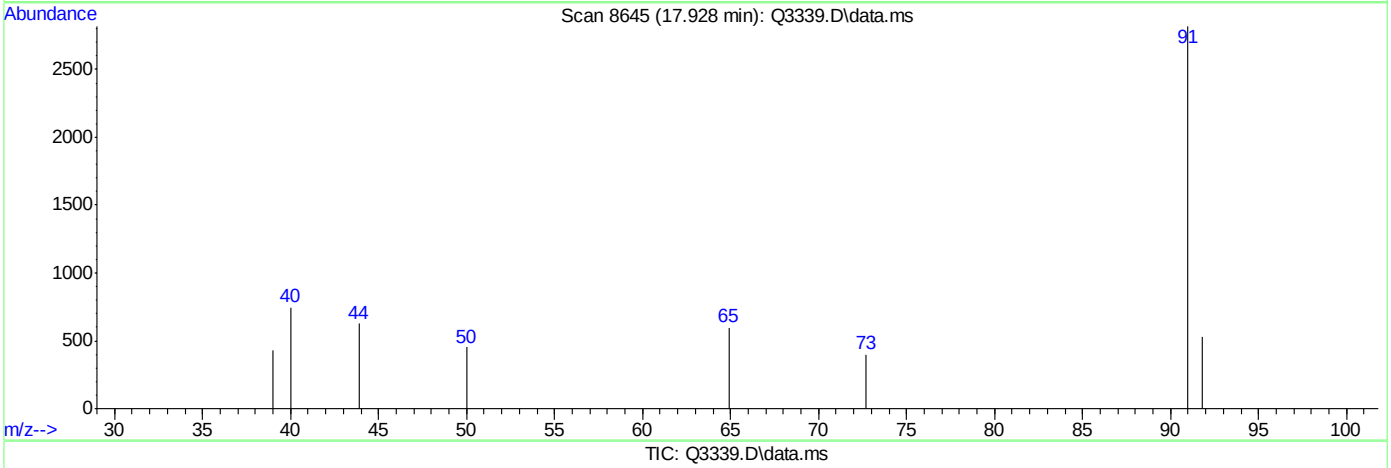
Ion	Exp%	Act%
146.00	100	100
148.00	63.80	48.20
111.00	40.20	36.50
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3339.D
Acq On : 4 May 2007 2:01 pm
Operator : PhilipB
Sample : IC180-.2 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 14:23:50 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 13:28:38 2007
Response via : Initial Calibration





TIC: Q3339.D\data.ms

(69) BENZYL CHLORIDE (m)

17.928min (-0.005) 0.11PPBV

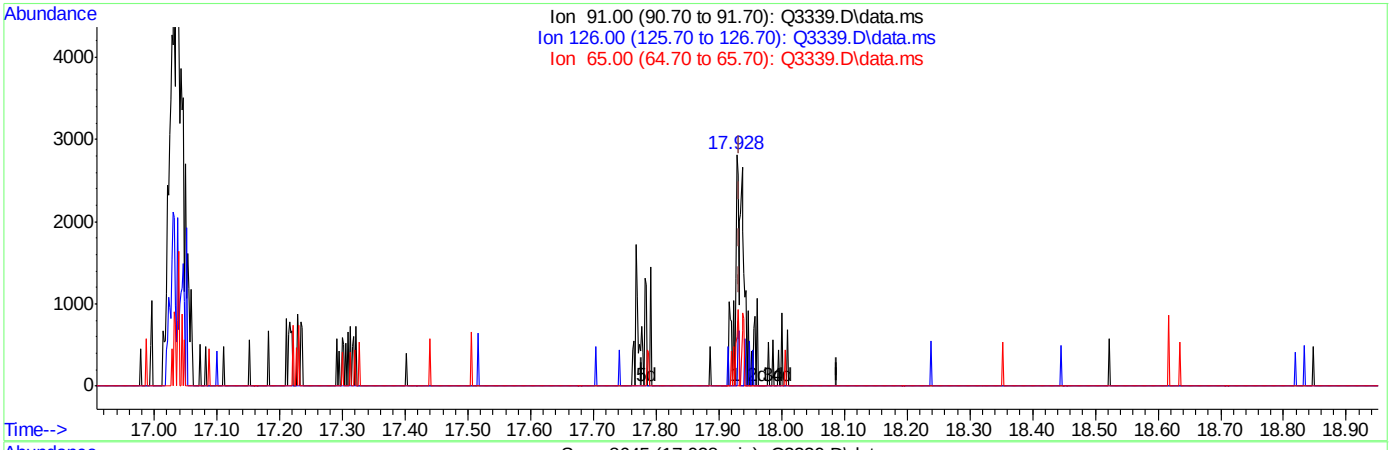
response 2613

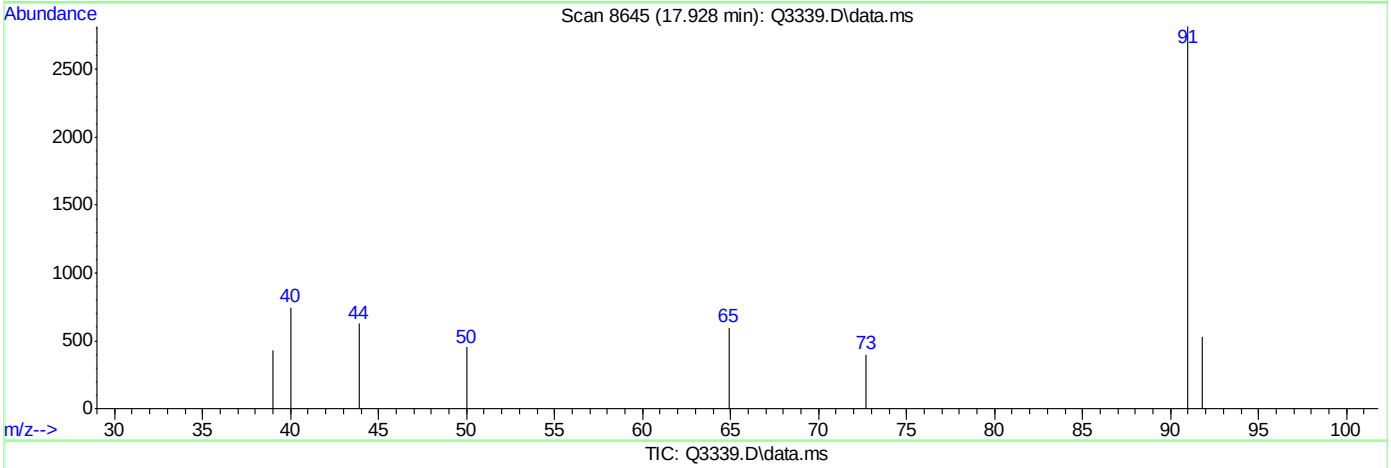
Ion	Exp%	Act%
91.00	100	100
126.00	18.20	7.23
65.00	12.60	14.08
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3339.D
Acq On : 4 May 2007 2:01 pm
Operator : PhilipB
Sample : IC180-.2 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 14:23:50 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 13:28:38 2007
Response via : Initial Calibration





TIC: Q3339.D\data.ms

(69) BENZYL CHLORIDE (m)

17.928min (-0.005) 0.13PPBV m

response 2937

Ion	Exp%	Act%
91.00	100	100
126.00	18.20	6.44
65.00	12.60	12.53
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3339.D
Acq On    :  4 May 2007   2:01 pm
Operator  : PhilipB
Sample    : IC180-.2 (M057)
Misc      : MS13469,MSQ180,,,,,1
ALS Vial  : 2   Sample Multiplier: 1

Quant Time: May 04 14:28:44 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 13:28:38 2007
Response via : Initial Calibration
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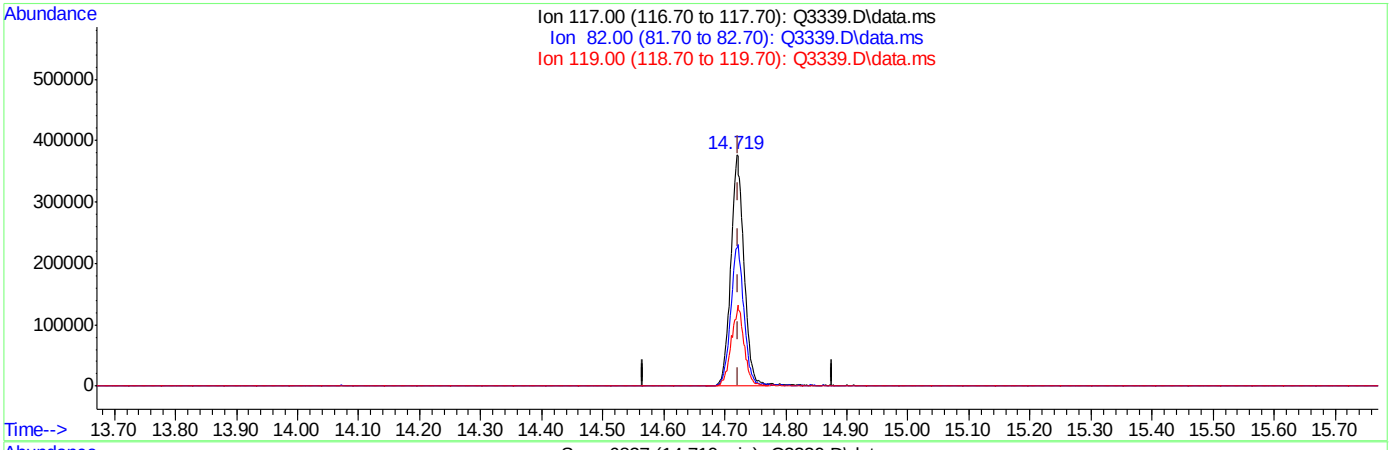
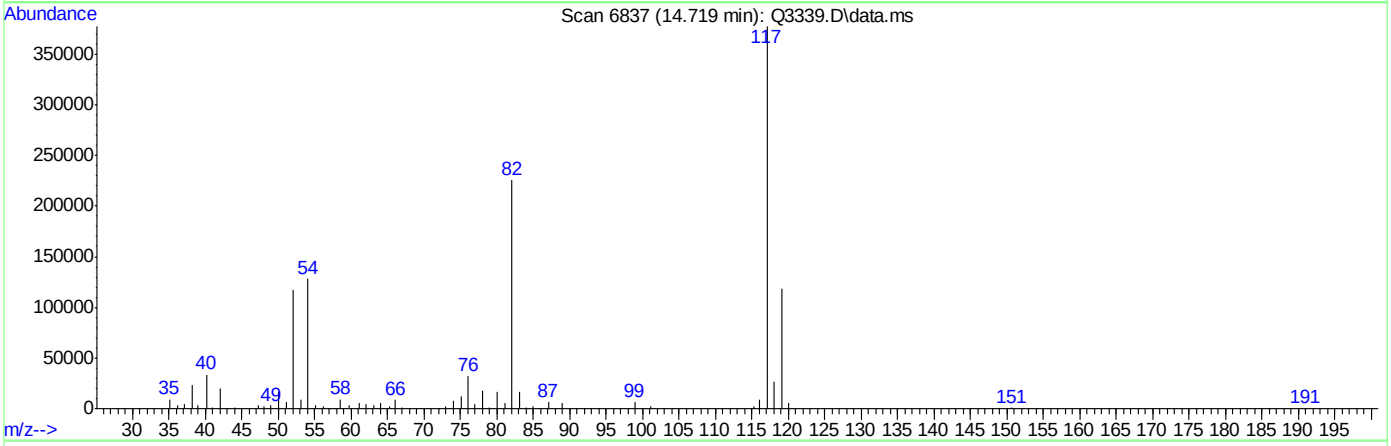




(49) CHLOROBENZENE-D5 (I)

14.719min (-0.003) 10.00PPBV

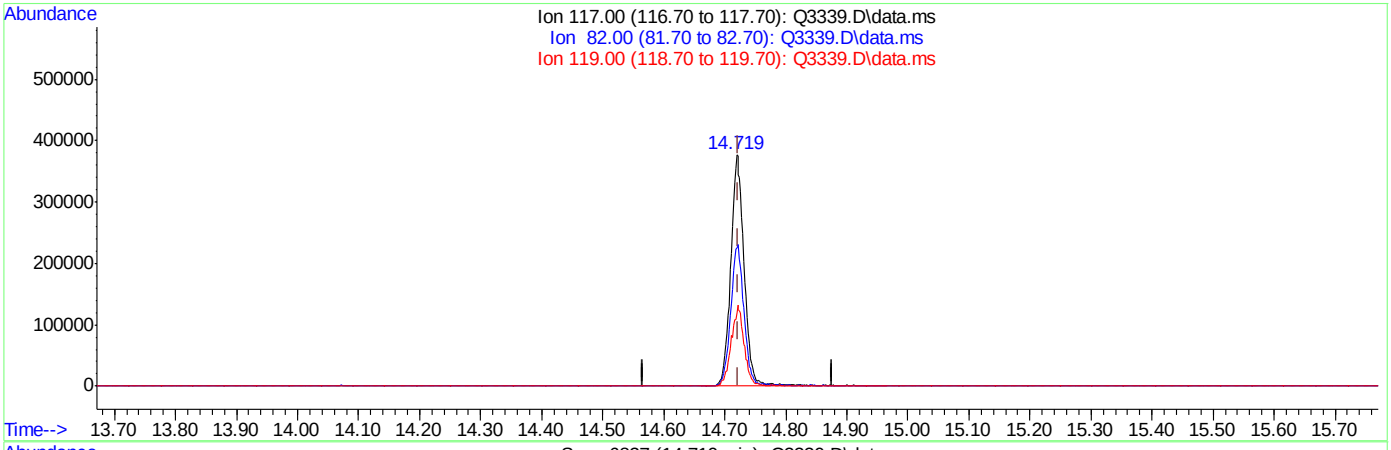
response 583741

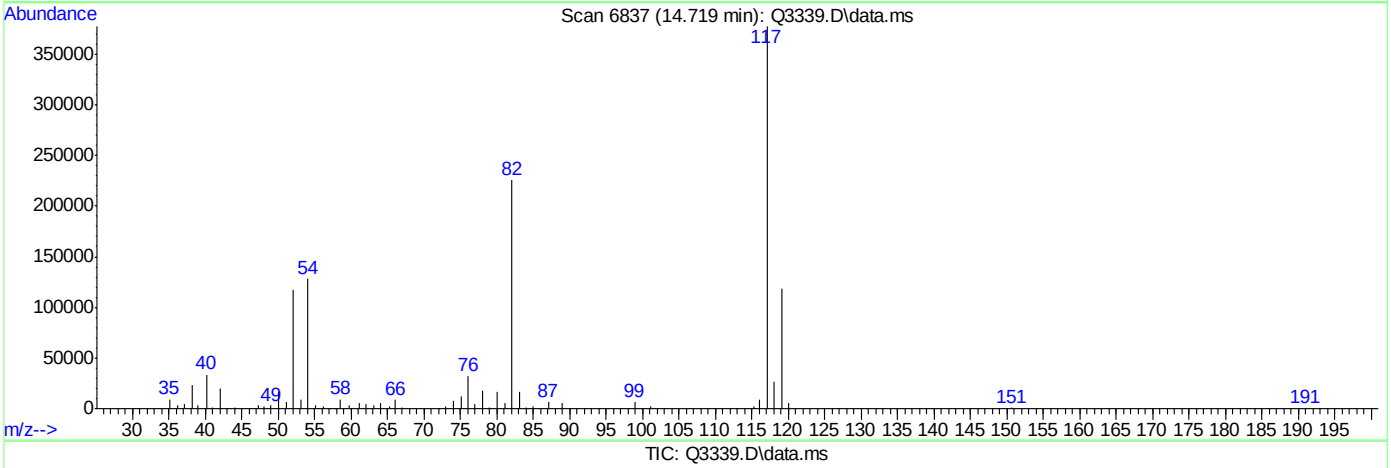
Ion	Exp%	Act%
117.00	100	100
82.00	57.00	61.37
119.00	32.10	34.11
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3339.D
Acq On : 4 May 2007 2:01 pm
Operator : PhilipB
Sample : IC180-.2 (M057)
Misc : MS13469,MSQ180,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 14:28:44 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 13:28:38 2007
Response via : Initial Calibration





(49) CHLOROBENZENE-D5 (I)

14.719min (-0.003) 10.00PPBV m

response 600663

Ion	Exp%	Act%
117.00	100	100
82.00	57.00	59.64
119.00	32.10	33.15
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
05/22/07 11:56

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3341A.D
Acq On : 4 May 2007 3:31 pm
Operator : PhilipB
Sample : ICV180-10 (M148)
Misc : MS13500,MSQ181,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 04 15:58:46 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.644	128	186085	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.472	114	801024	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.721	117	676596	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.339	95	276214	5.25	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 105.00%

Target Compounds							Qvalue
2) DICHLORODIFLUOROMETHANE	4.037	85	672147	8.77	PPBV		97
3) PROPYLENE	3.966	41	132995	9.18	PPBV		90
4) FREON 114	4.299	85	570614	8.76	PPBV		99
5) CHLOROMETHANE	4.196	50	146222	8.91	PPBV		94
6) VINYL CHLORIDE	4.422	62	156741	8.31	PPBV		98
7) 1,3-BUTADIENE	4.566	39	167502	9.33	PPBV	#	74
8) BROMOMETHANE	4.839	94	175101	9.44	PPBV		100
9) CHLOROETHANE	5.016	64	64281	9.67	PPBV		86
10) TRICHLOROFLUOROMETHANE	5.794	101	815000	9.40	PPBV		98
11) ISOPROPYL ALCOHOL	5.829	45	281453	9.02	PPBV		94
12) ACETONE	5.604	43	293120	9.11	PPBV		87
13) PENTANE	6.149	42	176889	9.59	PPBV		91
14) 1,1-DICHLOROETHYLENE	6.433	96	158553	10.65	PPBV	#	67
15) CARBON DISULFIDE	6.864	76	469851	9.61	PPBV		80
16) ETHANOL	5.091	45	49553m	9.52	PPBV		
17) BROMOETHENE	5.373	106	167331	8.25	PPBV	#	94
18) METHYLENE CHLORIDE	6.548	84	298690	10.66	PPBV		63
19) 3-CHLOROPROPENE	6.663	39	208048	10.38	PPBV	#	79
20) FREON 113	6.804	151	368045	10.01	PPBV		91
21) TRANS-1,2-DICHLOROETHY...	7.474	96	154314	9.42	PPBV	#	78
22) TERTIARY BUTYL ALCOHOL	6.438	59	330535	9.42	PPBV		81
23) METHYL TERTIARY BUTYL ...	7.714	73	348125	10.15	PPBV		79
24) TETRAHYDROFURAN	9.146	42	115565	8.54	PPBV		86
25) HEXANE	8.676	57	227777	8.52	PPBV	#	81
26) VINYL ACETATE	7.794	43	325229	9.89	PPBV		88
27) 1,1-DICHLOROETHANE	7.671	63	296052	9.46	PPBV		98
28) METHYL ETHYL KETONE	8.039	43	252622	8.37	PPBV		95
29) cis-1,2-DICHLOROETHYLENE	8.481	96	122385	8.18	PPBV		98
30) ETHYL ACETATE	8.671	43	458671	8.45	PPBV		98
31) CHLOROFORM	8.763	83	361841	8.18	PPBV		96
32) 1,1,1-TRICHLOROETHANE	9.716	97	366347	7.86	PPBV		98
33) CARBON TETRACHLORIDE	10.305	117	457933	8.16	PPBV		95
34) 1,2-DICHLOROETHANE	9.471	62	200934	7.55	PPBV		97
36) BENZENE	10.160	78	298166	7.97	PPBV		99
37) CYCLOHEXANE	10.424	84	138257	9.29	PPBV		98
38) TRICHLOROETHYLENE	11.157	95	189674	8.53	PPBV		94
39) 1,2-DICHLOROPROPANE	10.937	63	108412	8.11	PPBV		96
40) BROMODICHLOROMETHANE	11.118	83	322261	8.73	PPBV		99
41) 2,2,4-TRIMETHYLPENTANE	11.182	57	548080	8.90	PPBV		95
42) 1,4-DIOXANE	11.146	88	61712	9.06	PPBV		92
43) HEPTANE	11.420	43	220061	9.39	PPBV		87

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3341A.D
Acq On : 4 May 2007 3:31 pm
Operator : PhilipB
Sample : ICV180-10 (M148)
Misc : MS13500,MSQ181,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 04 15:58:46 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration

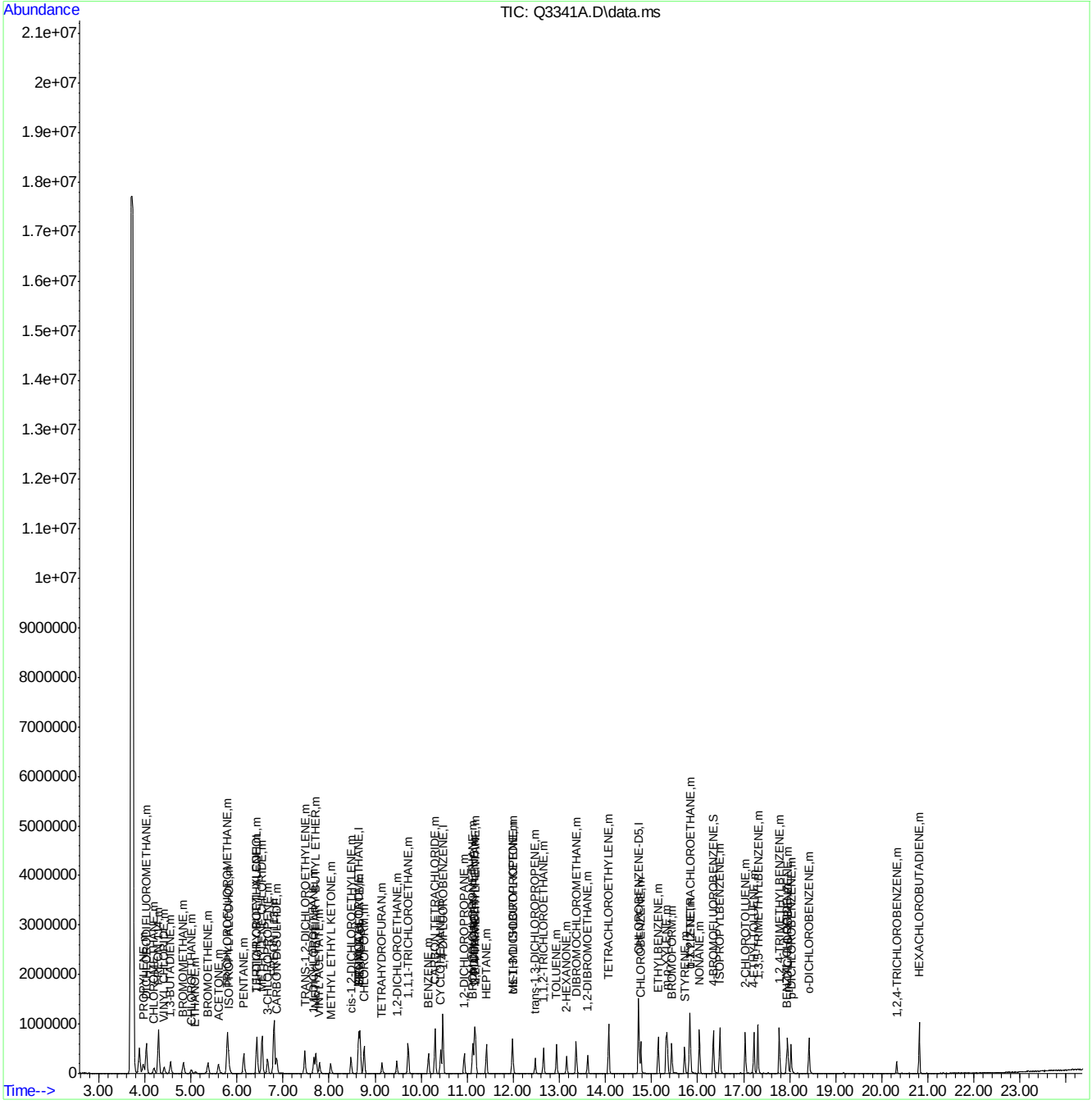
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.988	43	302300	9.71	PPBV	91
45) cis-1,3-DICHLOROPROPENE	11.975	75	172793	8.50	PPBV #	72
46) TOLUENE	12.935	92	205476	8.82	PPBV	98
47) trans-1,3-DICHLOROPROPENE	12.474	75	129477	10.19	PPBV	88
48) 1,1,2-TRICHLOROETHANE	12.660	83	118264	8.50	PPBV	98
50) 2-HEXANONE	13.155	43	228838	9.34	PPBV	90
51) TETRACHLOROETHYLENE	14.071	164	154040	8.62	PPBV #	85
52) DIBROMOCHLOROMETHANE	13.365	129	300201	8.46	PPBV	99
53) 1,2-DIBROMOETHANE	13.615	107	205596	8.03	PPBV	99
54) CHLOROBENZENE	14.767	112	283566	8.08	PPBV	97
55) ETHYLBENZENE	15.149	91	461371	8.61	PPBV	97
56) m,p-XYLENE	15.324	106	365171m	17.69	PPBV	
57) o-XYLENE	15.841	106	184649	8.99	PPBV	97
58) STYRENE	15.720	104	220322	10.54	PPBV	97
59) NONANE	16.041	43	319136	9.59	PPBV	92
60) BROMOFORM	15.438	173	237525	9.67	PPBV	98
62) 1,1,2,2-TETRACHLOROETHANE	15.826	83	307427	7.95	PPBV	97
63) ISOPROPYLBENZENE	16.485	105	531230	9.48	PPBV	98
64) 2-CHLOROTOLUENE	17.035	91	402236	9.59	PPBV	97
65) 4-ETHYLTOLUENE	17.229	105	443018	10.54	PPBV	96
66) 1,3,5-TRIMETHYLBENZENE	17.310	105	464370	9.75	PPBV	98
67) 1,2,4-TRIMETHYLBENZENE	17.775	105	432454	10.43	PPBV	98
68) m-DICHLOROBENZENE	17.956	146	230987	9.17	PPBV	97
69) BENZYL CHLORIDE	17.933	91	208763	10.42	PPBV	98
70) p-DICHLOROBENZENE	18.029	146	181112	8.27	PPBV	97
71) o-DICHLOROBENZENE	18.418	146	226773	8.12	PPBV	98
72) HEXACHLOROBUTADIENE	20.814	225	107969	14.75	PPBV	97
73) 1,2,4-TRICHLOROBENZENE	20.320	180	45195	13.04	PPBV	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3341A.D
Acq On : 4 May 2007 3:31 pm
Operator : PhilipB
Sample : ICV180-10 (M148)
Misc : MS13500,MSQ181,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 04 15:58:46 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration

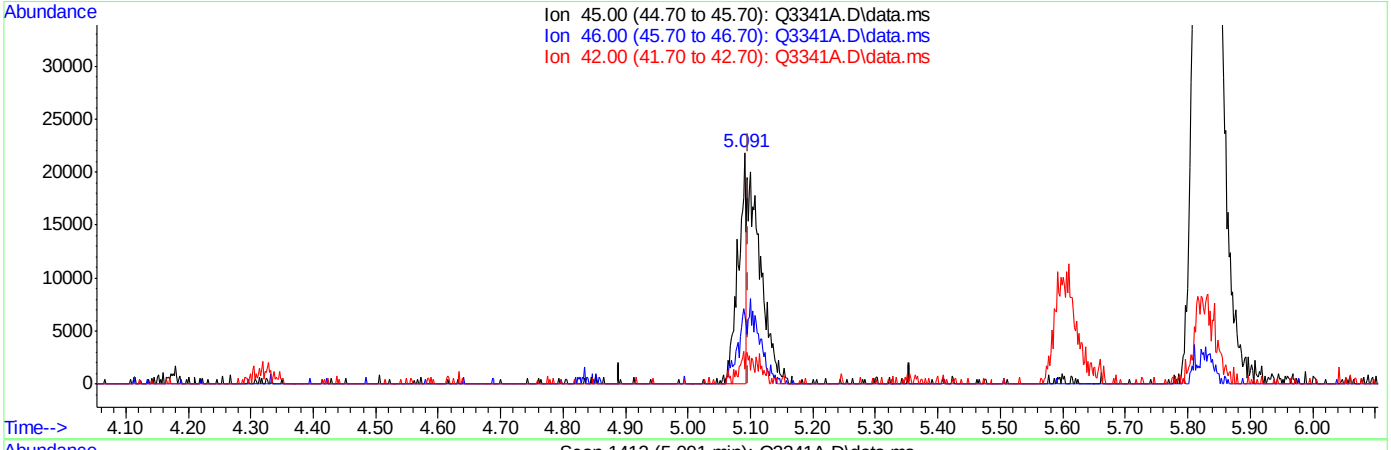


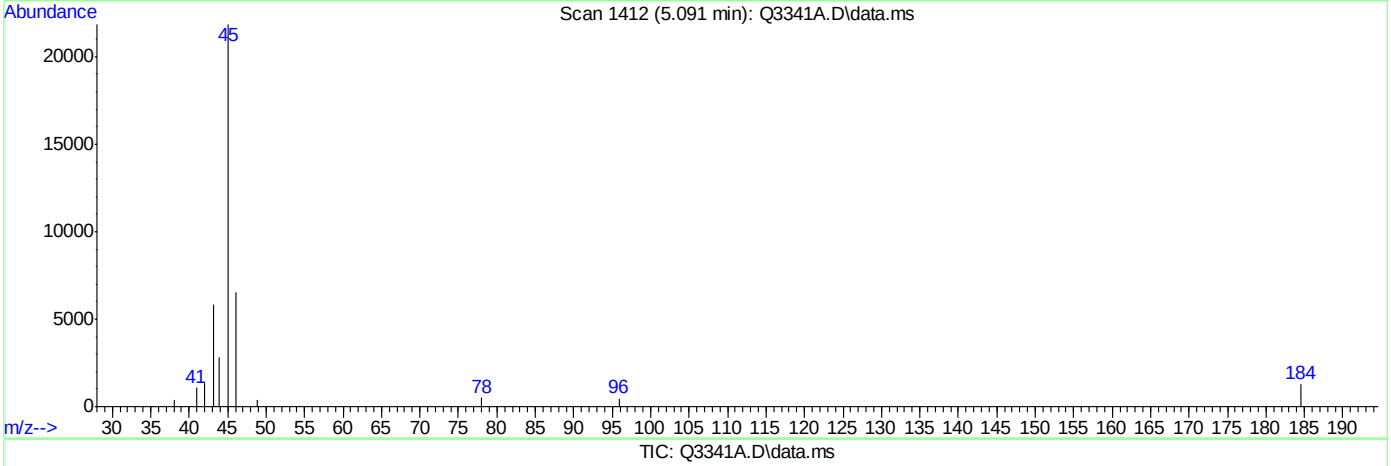
ACCUTEST Laboratories M64809

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3341A.D
Acq On : 4 May 2007 3:31 pm
Operator : PhilipB
Sample : ICV179-10 (M148)
Misc : MS13500,MSQ180,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 04 15:58:27 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration





TIC: Q3341A.D\data.ms

(16) ETHANOL (m)

5.091min (-0.006) 3.74PPBV

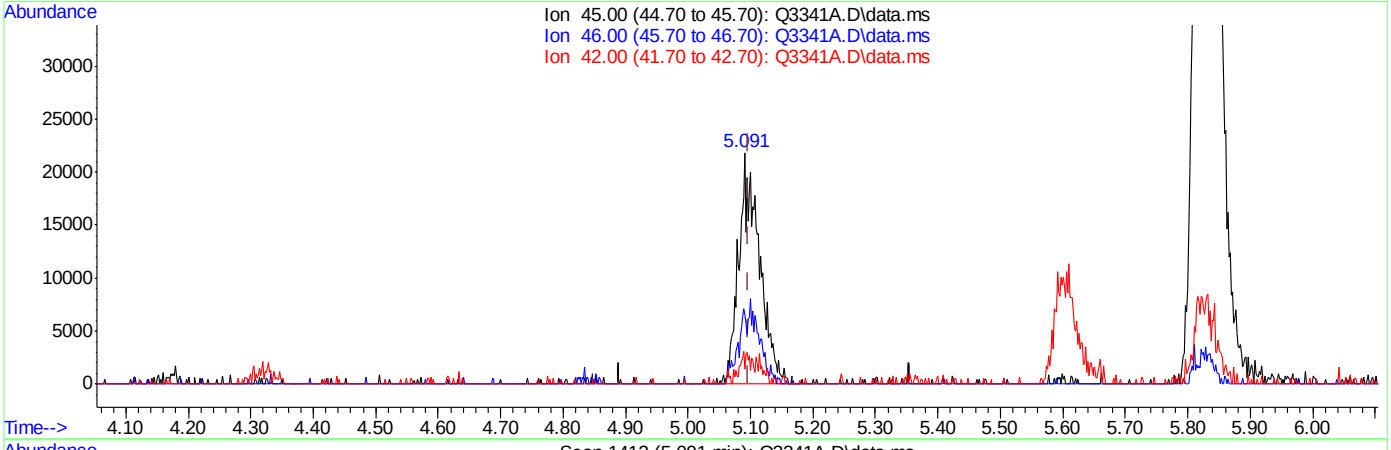
response 18480

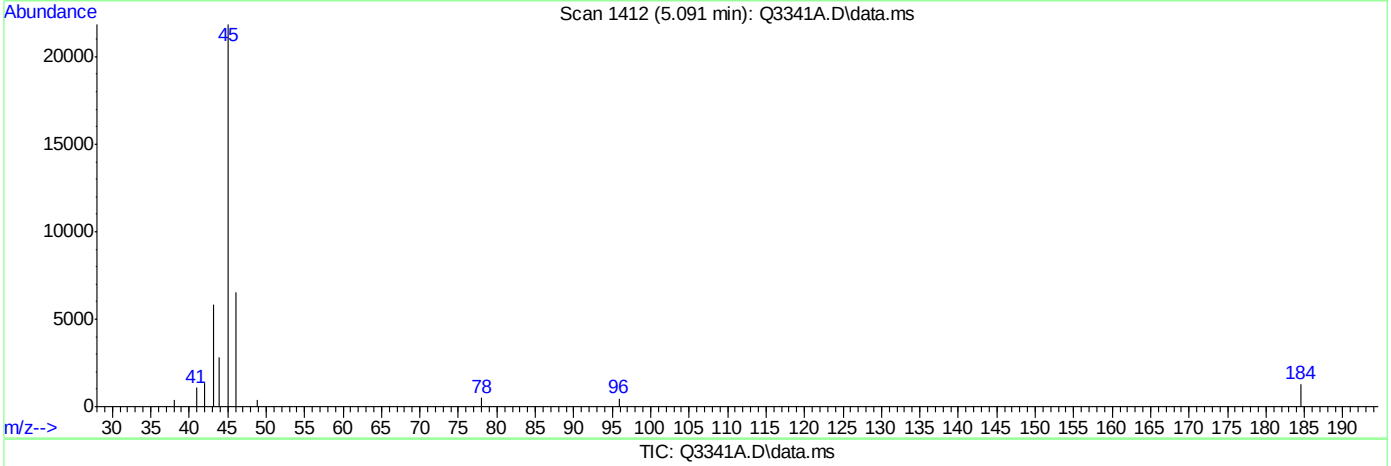
Ion	Exp%	Act%
45.00	100	100
46.00	30.60	91.35#
42.00	4.60	16.94
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3341A.D
Acq On : 4 May 2007 3:31 pm
Operator : PhilipB
Sample : ICV179-10 (M148)
Misc : MS13500,MSQ180,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 04 15:58:27 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration





TIC: Q3341A.D\data.ms

(16) ETHANOL (m)

5.091min (-0.006) 9.52PPBV m

response 49553

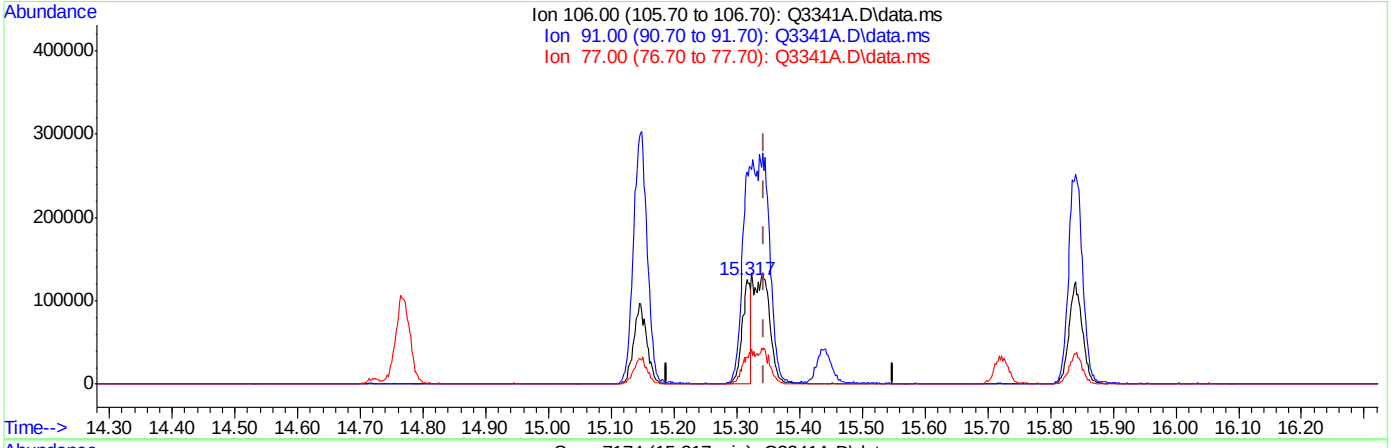
Ion	Exp%	Act%
45.00	100	100
46.00	30.60	34.07
42.00	4.60	6.32
0.00	0.00	0.00

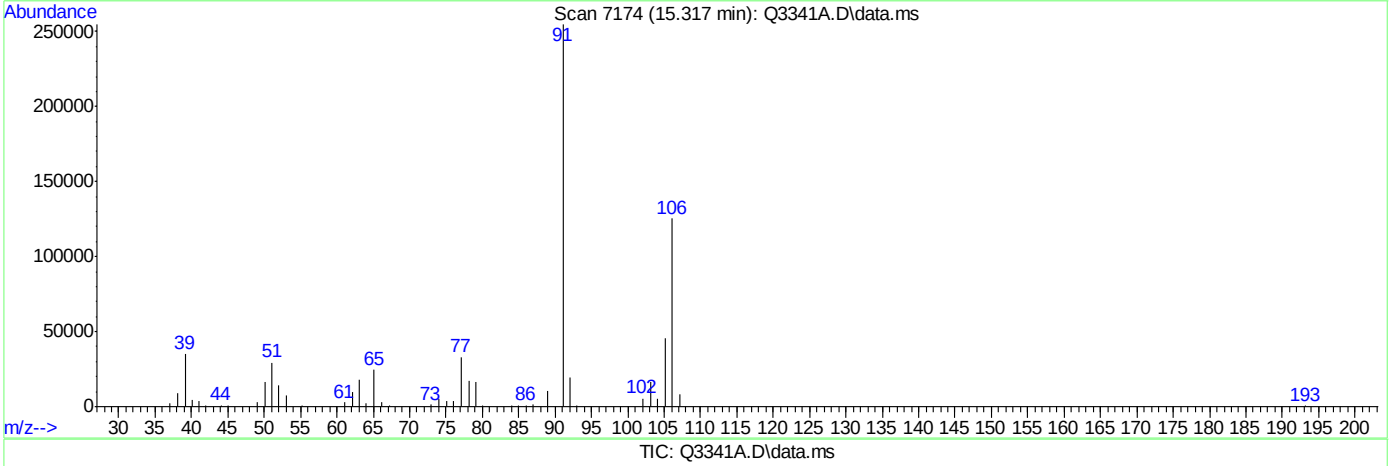
ACCUTEST Laboratories M64809

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3341A.D
Acq On : 4 May 2007 3:31 pm
Operator : PhilipB
Sample : ICV179-10 (M148)
Misc : MS13500,MSQ180,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 04 15:58:27 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration





TIC: Q3341A.D\data.ms

(56) m,p-XYLENE (m)

15.317min (-0.027) 5.87PPBV

response 121204

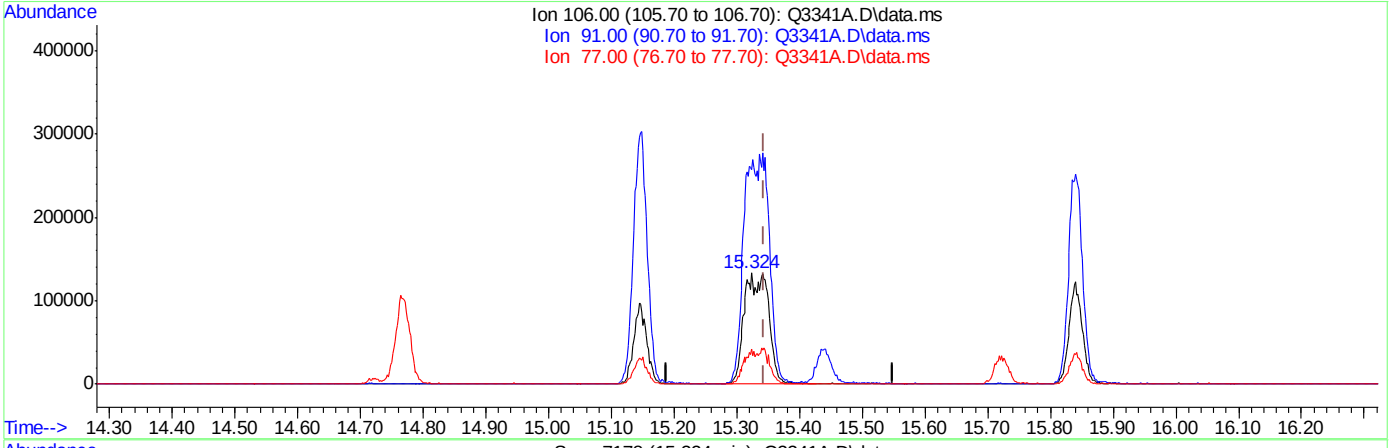
Ion	Exp%	Act%
106.00	100	100
91.00	212.80	203.01
77.00	31.20	26.30
0.00	0.00	0.00

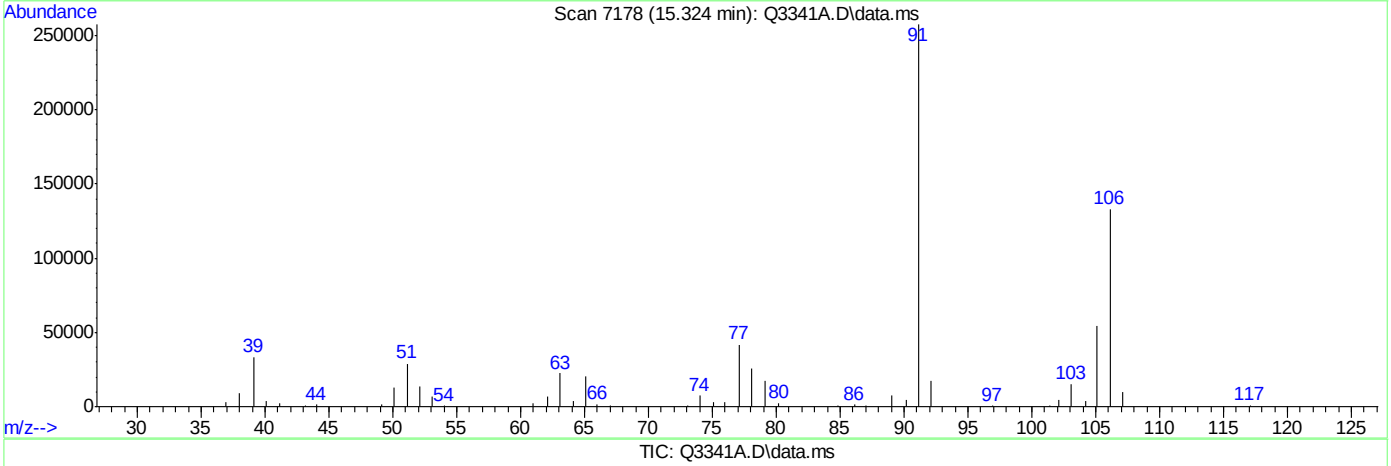
ACCUTEST Laboratories M64809

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3341A.D
Acq On : 4 May 2007 3:31 pm
Operator : PhilipB
Sample : ICV179-10 (M148)
Misc : MS13500,MSQ180,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 04 15:58:27 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration





TIC: Q3341A.D\data.ms

(56) m,p-XYLENE (m)

15.324min (-0.019) 17.69PPBV m

response 365171

Ion	Exp%	Act%
106.00	100	100
91.00	212.80	193.46
77.00	31.20	31.33
0.00	0.00	0.00

ACCUTEST Laboratories M64809

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
05/15/07 15:14

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3366.D
Acq On : 8 May 2007 12:16 pm
Operator : PhilipB
Sample : CC180-10 (M148)
Misc : MS13508,MSQ183,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 09 13:45:16 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.637	128	162426	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.470	114	735210	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.721	117	618997	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.341	95	265649	5.52	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 110.40%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.033	85	715492	10.69	PPBV	97
3) PROPYLENE	3.967	41	153961	12.17	PPBV	89
4) FREON 114	4.292	85	608722	10.70	PPBV	98
5) CHLOROMETHANE	4.198	50	172504	12.05	PPBV	99
6) VINYL CHLORIDE	4.418	62	159029	9.66	PPBV	99
7) 1,3-BUTADIENE	4.551	39	171727	10.96	PPBV #	72
8) BROMOMETHANE	4.834	94	184199	11.37	PPBV	97
9) CHLOROETHANE	5.008	64	63554	10.95	PPBV	85
10) TRICHLOROFLUOROMETHANE	5.787	101	780067	10.31	PPBV	98
11) ISOPROPYL ALCOHOL	5.827	45	223107	8.19	PPBV	85
12) ACETONE	5.597	43	244356	8.72	PPBV	87
13) PENTANE	6.145	42	198190	12.31	PPBV	95
14) 1,1-DICHLOROETHYLENE	6.429	96	161132	12.19	PPBV #	69
15) CARBON DISULFIDE	6.860	76	507062	11.88	PPBV	82
16) ETHANOL	5.086	45	41557m	9.16	PPBV	
17) BROMOETHENE	5.370	106	167848	9.48	PPBV #	93
18) METHYLENE CHLORIDE	6.544	84	318598	13.02	PPBV	64
19) 3-CHLOROPROPENE	6.663	39	182558	10.44	PPBV #	83
20) FREON 113	6.804	151	401659	12.52	PPBV	91
21) TRANS-1,2-DICHLOROETHY...	7.471	96	165308	11.57	PPBV #	81
22) TERTIARY BUTYL ALCOHOL	6.433	59	264614	8.64	PPBV	76
23) METHYL TERTIARY BUTYL ...	7.710	73	270106	9.03	PPBV	78
24) TETRAHYDROFURAN	9.148	42	102178	8.65	PPBV	87
25) HEXANE	8.671	57	249682	10.70	PPBV #	84
26) VINYL ACETATE	7.792	43	274394	9.56	PPBV	89
27) 1,1-DICHLOROETHANE	7.670	63	290576	10.64	PPBV	100
28) METHYL ETHYL KETONE	8.037	43	217696	8.27	PPBV	93
29) cis-1,2-DICHLOROETHYLENE	8.479	96	114039	8.73	PPBV	98
30) ETHYL ACETATE	8.671	43	461185	9.74	PPBV	99
31) CHLOROFORM	8.758	83	354349	9.17	PPBV	97
32) 1,1,1-TRICHLOROETHANE	9.718	97	360947	8.88	PPBV	98
33) CARBON TETRACHLORIDE	10.300	117	483271	9.86	PPBV	96
34) 1,2-DICHLOROETHANE	9.467	62	195916	8.43	PPBV	99
36) BENZENE	10.160	78	287735	8.38	PPBV	99
37) CYCLOHEXANE	10.419	84	150322	11.01	PPBV	98
38) TRICHLOROETHYLENE	11.157	95	198185	9.72	PPBV	95
39) 1,2-DICHLOROPROPANE	10.933	63	107373	8.75	PPBV	97
40) BROMODICHLOROMETHANE	11.118	83	307445	9.07	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.180	57	567180	10.03	PPBV	95
42) 1,4-DIOXANE	11.145	88	56135	8.98	PPBV	86
43) HEPTANE	11.420	43	213536	9.92	PPBV	90

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3366.D
Acq On : 8 May 2007 12:16 pm
Operator : PhilipB
Sample : CC180-10 (M148)
Misc : MS13508,MSQ183,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 09 13:45:16 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration

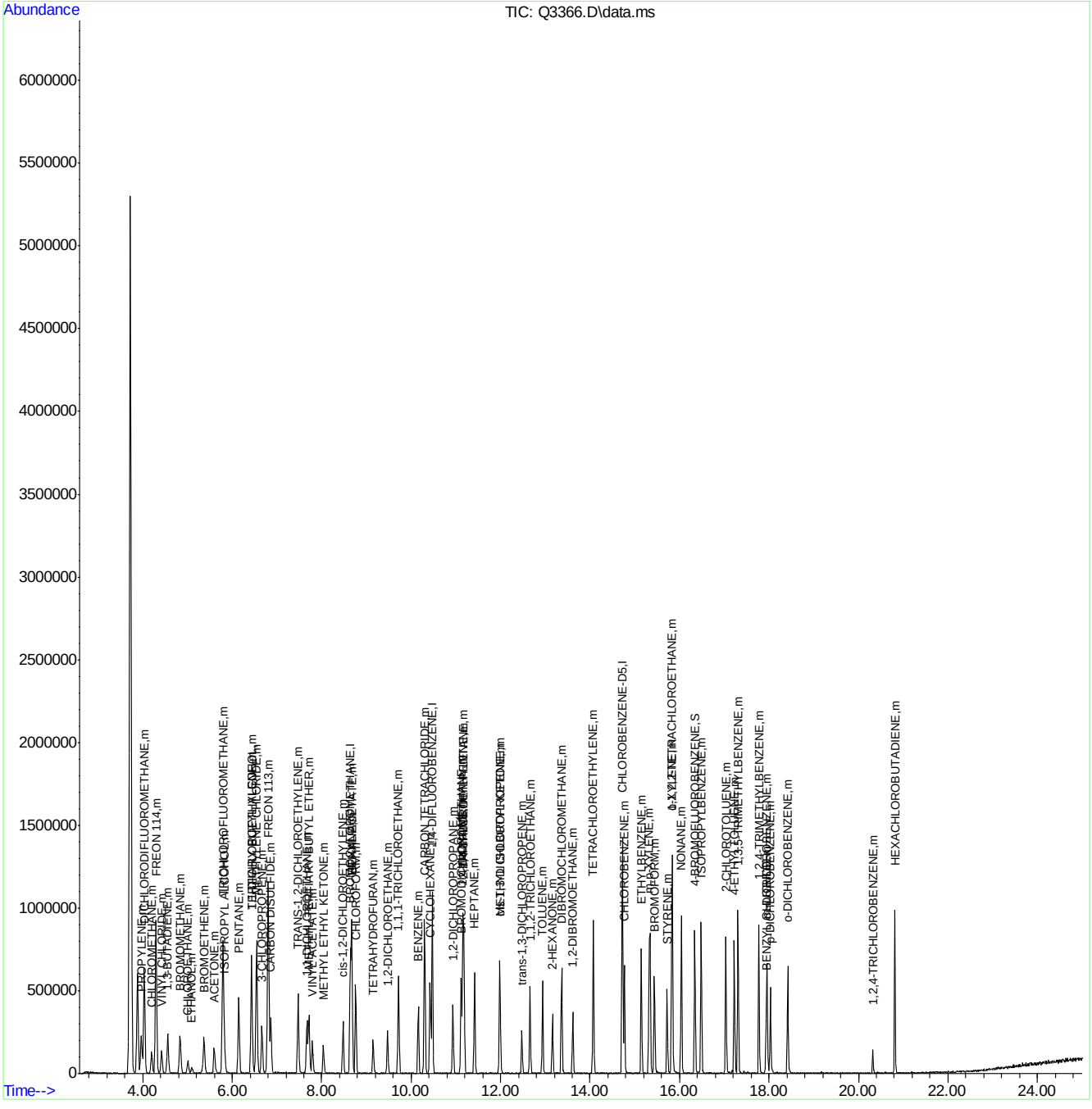
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.988	43	283906	9.93	PPBV	90
45) cis-1,3-DICHLOROPROPENE	11.975	75	155506	8.33	PPBV #	75
46) TOLUENE	12.934	92	188059	8.80	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.477	75	103250	8.86	PPBV	85
48) 1,1,2-TRICHLOROETHANE	12.657	83	119360	9.35	PPBV	99
50) 2-HEXANONE	13.159	43	210852	9.41	PPBV	88
51) TETRACHLOROETHYLENE	14.071	164	137392	8.40	PPBV #	82
52) DIBROMOCHLOROMETHANE	13.365	129	292533	9.02	PPBV	99
53) 1,2-DIBROMOETHANE	13.612	107	202264	8.64	PPBV	95
54) CHLOROBENZENE	14.763	112	281295	8.76	PPBV	99
55) ETHYLBENZENE	15.143	91	436424	8.90	PPBV	96
56) m,p-XYLENE	15.321	106	370324m	19.61	PPBV	
57) o-XYLENE	15.839	106	190289	10.12	PPBV	95
58) STYRENE	15.720	104	191431	10.01	PPBV	99
59) NONANE	16.041	43	337526	11.09	PPBV	92
60) BROMOFORM	15.436	173	235176	10.46	PPBV	97
62) 1,1,2,2-TETRACHLOROETHANE	15.826	83	345753	9.77	PPBV	98
63) ISOPROPYLBENZENE	16.485	105	516326	10.07	PPBV	98
64) 2-CHLOROTOLUENE	17.033	91	377487	9.84	PPBV	97
65) 4-ETHYLTOLUENE	17.223	105	417222	10.85	PPBV	97
66) 1,3,5-TRIMETHYLBENZENE	17.307	105	445826	10.23	PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.772	105	388340	10.23	PPBV	99
68) m-DICHLOROBENZENE	17.953	146	200175	8.69	PPBV	95
69) BENZYL CHLORIDE	17.931	91	169254	9.23	PPBV	98
70) p-DICHLOROBENZENE	18.029	146	161708	8.07	PPBV	92
71) o-DICHLOROBENZENE	18.418	146	191175	7.48	PPBV	97
72) HEXACHLOROBUTADIENE	20.810	225	93954	14.28	PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.320	180	26273	10.10	PPBV	96

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3366.D
Acq On : 8 May 2007 12:16 pm
Operator : PhilipB
Sample : CC180-10 (M148)
Misc : MS13508,MSQ183,,,,,1
ALS Vial : 3 Sample Multiplier: 1

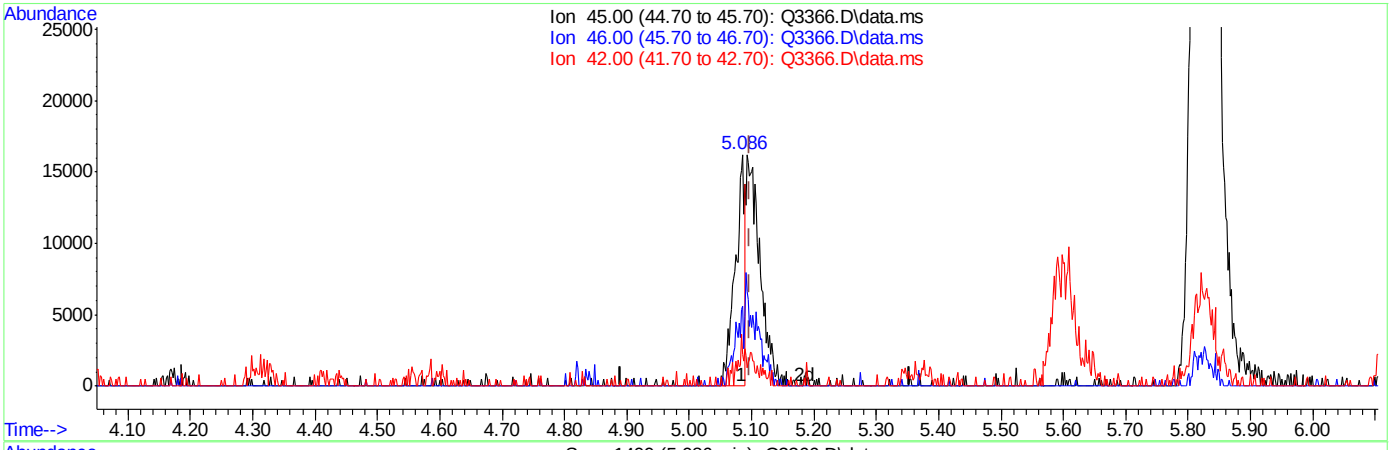
Quant Time: May 09 13:45:16 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration

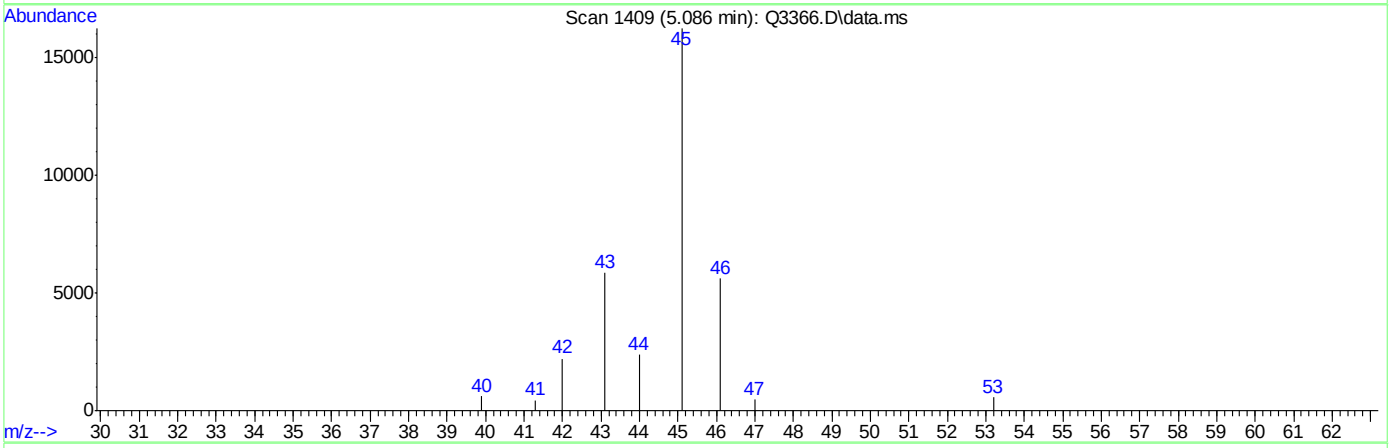


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3366.D
Acq On : 8 May 2007 12:16 pm
Operator : PhilipB
Sample : CC180-10 (M148)
Misc : MS13508,MSQ183,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 09 13:44:42 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration





TIC: Q3366.D\data.ms

(16) ETHANOL (m)

5.086min (-0.011) 3.85PPBV

response 16677

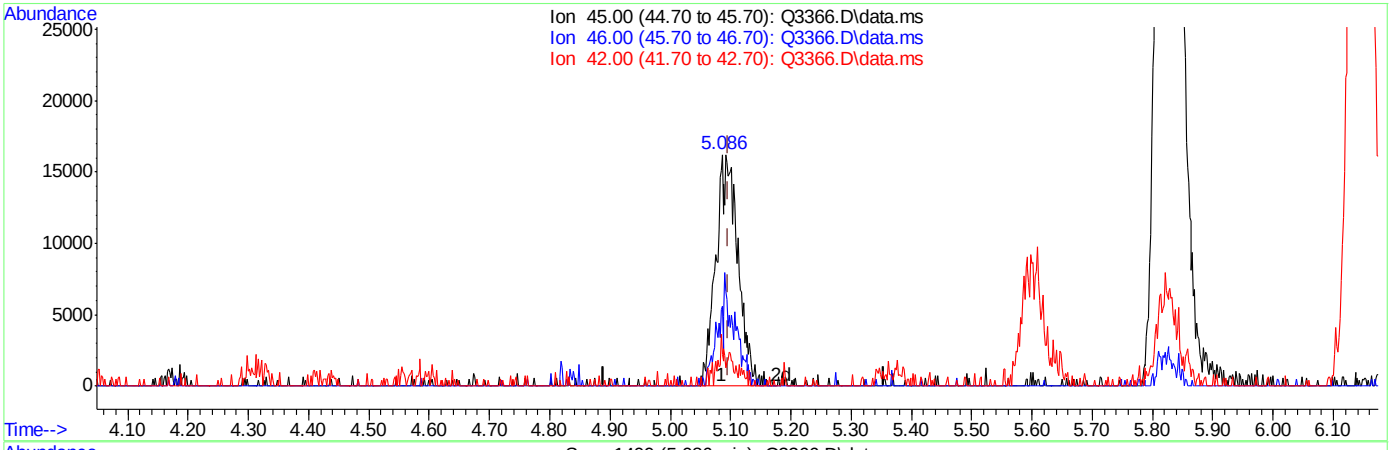
Ion	Exp%	Act%
45.00	100	100
46.00	30.60	56.05#
42.00	4.60	16.51
0.00	0.00	0.00

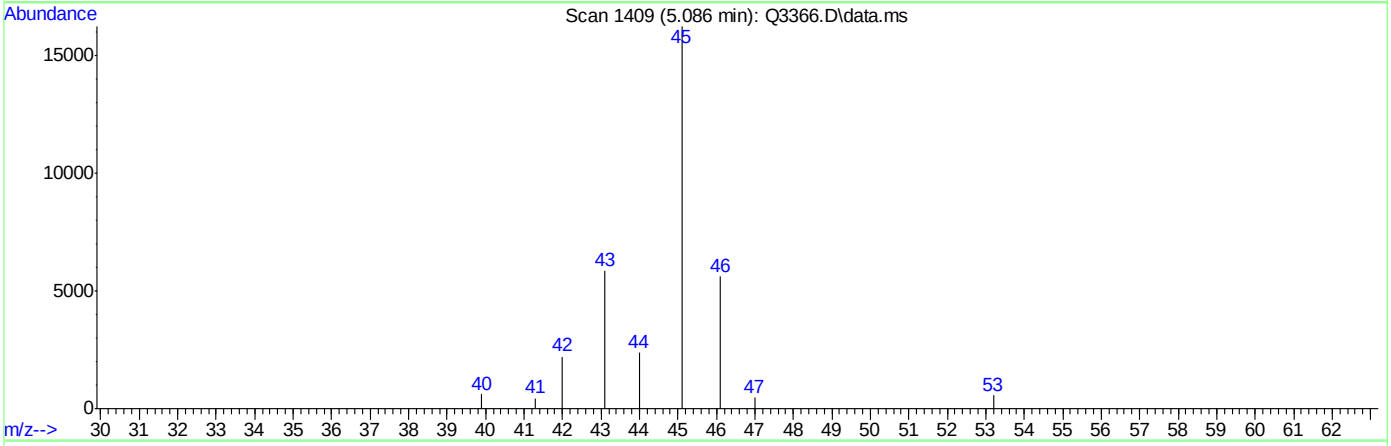
ACCUTEST Laboratories M64809

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3366.D
Acq On : 8 May 2007 12:16 pm
Operator : PhilipB
Sample : CC180-10 (M148)
Misc : MS13508,MSQ183,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 09 13:44:42 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration





TIC: Q3366.D\data.ms

(16) ETHANOL (m)

5.086min (-0.011) 9.16PPBV m

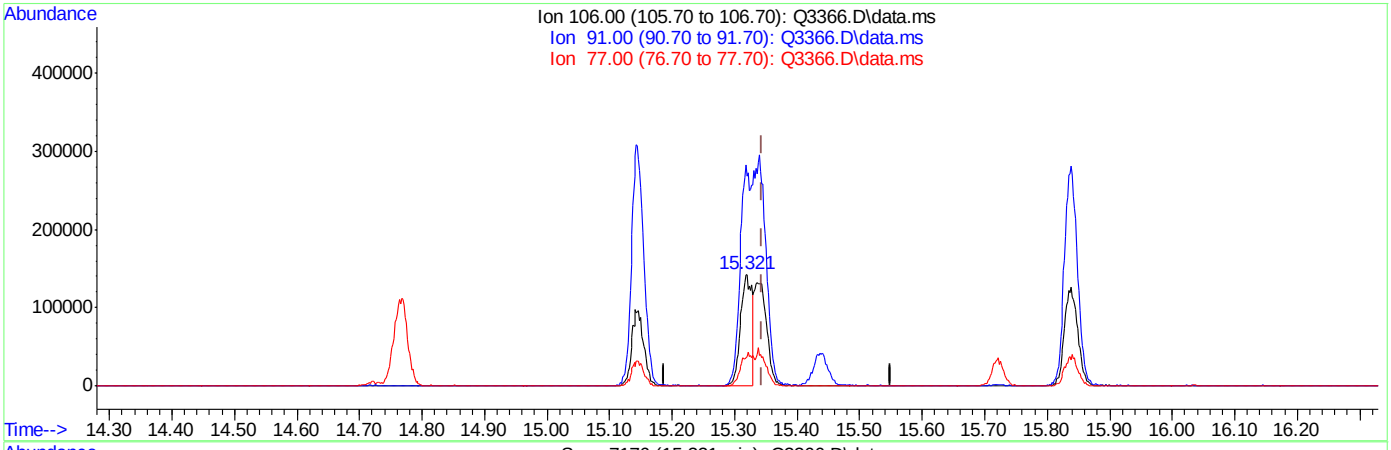
response 41557

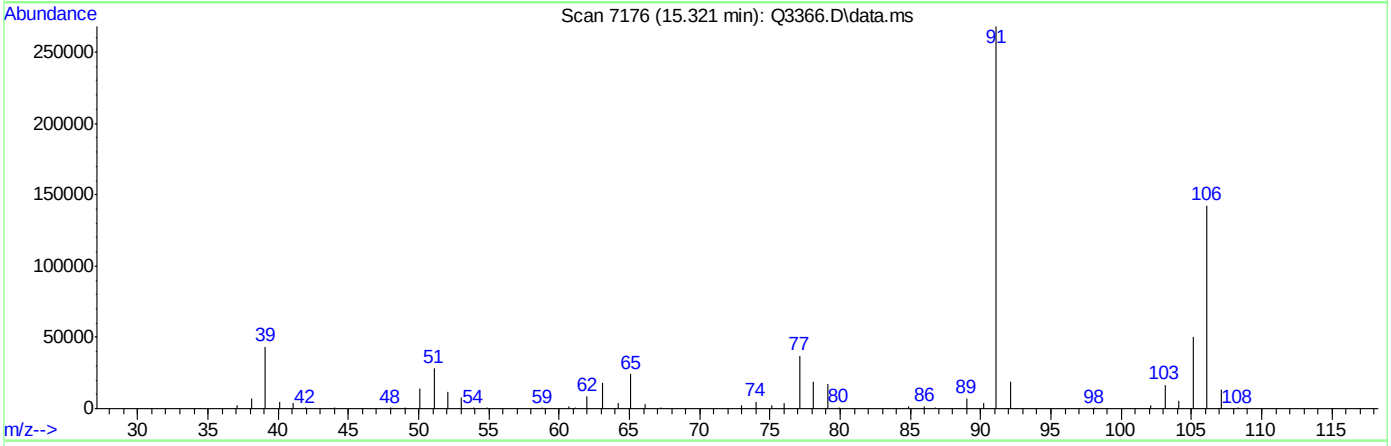
Ion	Exp%	Act%
45.00	100	100
46.00	30.60	22.49
42.00	4.60	6.63
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3366.D
Acq On : 8 May 2007 12:16 pm
Operator : PhilipB
Sample : CC180-10 (M148)
Misc : MS13508,MSQ183,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 09 13:44:42 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration





TIC: Q3366.D\data.ms

(56) m,p-XYLENE (m)

15.321min (-0.023) 9.82PPBV

response 185479

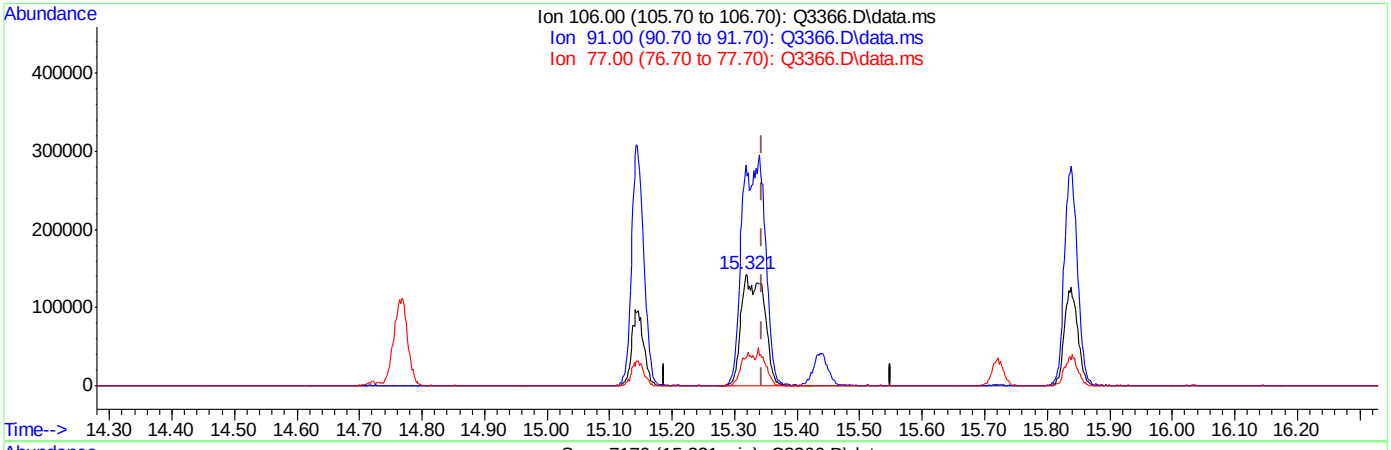
Ion	Exp%	Act%
106.00	100	100
91.00	212.80	188.02
77.00	31.20	25.96
0.00	0.00	0.00

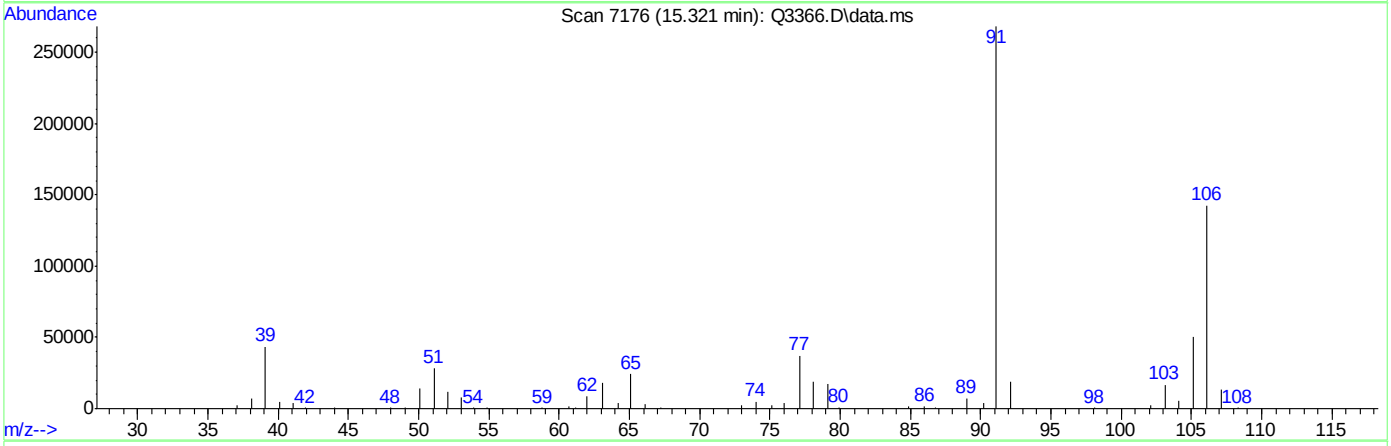
ACCUTEST Laboratories M64809

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3366.D
Acq On : 8 May 2007 12:16 pm
Operator : PhilipB
Sample : CC180-10 (M148)
Misc : MS13508,MSQ183,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 09 13:44:42 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration





TIC: Q3366.D\data.ms

(56) m,p-XYLENE (m)

15.321min (-0.023) 19.61PPBV m

response 370324

Ion	Exp%	Act%
106.00	100	100
91.00	212.80	188.02
77.00	31.20	25.96
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
05/11/07 11:32

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3372.D
Acq On : 9 May 2007 1:11 pm
Operator : PhilipB
Sample : CC180-10 (M148)
Misc : MS13535,MSQ184,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 11 09:40:03 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.641	128	202987	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.472	114	915842	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.723	117	761567	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.341	95	329872	5.57	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 111.40%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.035	85	1110637	13.28	PPBV	96
3) PROPYLENE	3.969	41	203796	12.89	PPBV	94
4) FREON 114	4.298	85	940803	13.23	PPBV	98
5) CHLOROMETHANE	4.198	50	268432	15.00	PPBV	94
6) VINYL CHLORIDE	4.424	62	256760	12.48	PPBV	76
7) 1,3-BUTADIENE	4.560	39	269738	13.78	PPBV #	77
8) BROMOMETHANE	4.837	94	291288	14.39	PPBV	97
9) CHLOROETHANE	5.008	64	94799	13.07	PPBV	88
10) TRICHLOROFLUOROMETHANE	5.796	101	1141068	12.07	PPBV	98
11) ISOPROPYL ALCOHOL	5.826	45	321499	9.44	PPBV	81
12) ACETONE	5.599	43	352874	9.99	PPBV	88
13) PENTANE	6.145	42	280664	13.95	PPBV	96
14) 1,1-DICHLOROETHYLENE	6.435	96	260188	15.23	PPBV #	75
15) CARBON DISULFIDE	6.864	76	809039	15.16	PPBV	84
16) ETHANOL	5.086	45	53736	9.47	PPBV	72
17) BROMOETHENE	5.368	106	257576	11.64	PPBV #	95
18) METHYLENE CHLORIDE	6.546	84	206554	6.76	PPBV	63
19) 3-CHLOROPROPENE	6.665	39	276797	12.66	PPBV #	83
20) FREON 113	6.807	151	530169	13.22	PPBV	92
21) TRANS-1,2-DICHLOROETHY...	7.473	96	246067	13.78	PPBV #	81
22) TERTIARY BUTYL ALCOHOL	6.433	59	407280	10.64	PPBV	75
23) METHYL TERTIARY BUTYL ...	7.714	73	460984	12.33	PPBV	79
24) TETRAHYDROFURAN	9.150	42	187303	12.68	PPBV	85
25) HEXANE	8.676	57	306632	10.51	PPBV	85
26) VINYL ACETATE	7.794	43	479198	13.36	PPBV	89
27) 1,1-DICHLOROETHANE	7.672	63	460591	13.49	PPBV	99
28) METHYL ETHYL KETONE	8.037	43	404240	12.28	PPBV	93
29) cis-1,2-DICHLOROETHYLENE	8.481	96	203198	12.45	PPBV	99
30) ETHYL ACETATE	8.671	43	720695	12.17	PPBV	99
31) CHLOROFORM	8.763	83	617858	12.80	PPBV	95
32) 1,1,1-TRICHLOROETHANE	9.720	97	603010	11.87	PPBV	98
33) CARBON TETRACHLORIDE	10.302	117	761778	12.44	PPBV	94
34) 1,2-DICHLOROETHANE	9.475	62	342703	11.81	PPBV	99
36) BENZENE	10.160	78	533333	12.47	PPBV	99
37) CYCLOHEXANE	10.426	84	255160	15.00	PPBV	98
38) TRICHLOROETHYLENE	11.157	95	346497	13.64	PPBV	96
39) 1,2-DICHLOROPROPANE	10.934	63	190984	12.49	PPBV	98
40) BROMODICHLOROMETHANE	11.118	83	572763	13.57	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.180	57	975041	13.85	PPBV	93
42) 1,4-DIOXANE	11.141	88	101966	13.09	PPBV	86
43) HEPTANE	11.420	43	397265	14.82	PPBV	88

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3372.D
Acq On : 9 May 2007 1:11 pm
Operator : PhilipB
Sample : CC180-10 (M148)
Misc : MS13535,MSQ184,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 11 09:40:03 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration

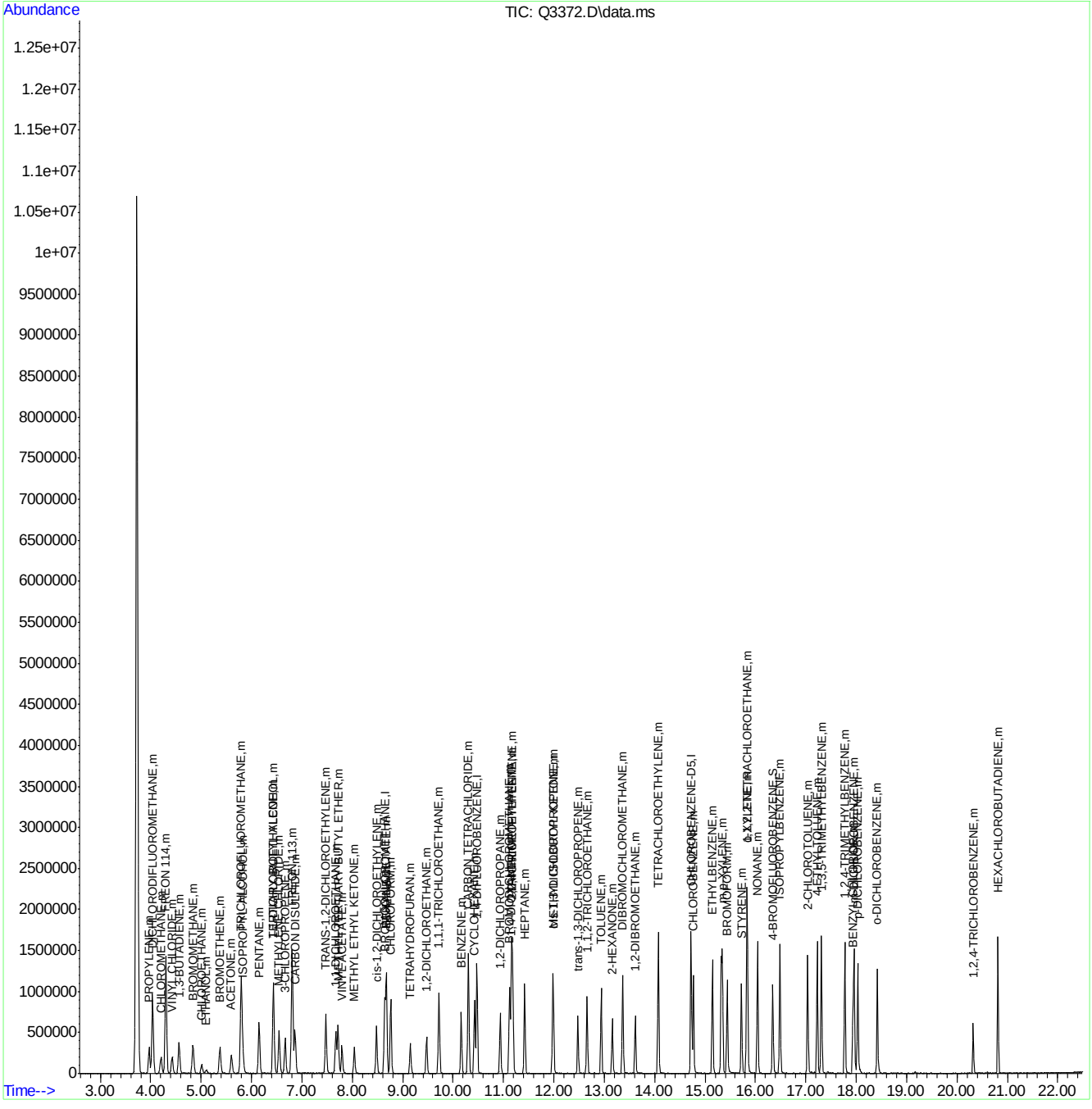
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.990	43	509389	14.31	PPBV	91
45) cis-1,3-DICHLOROPROPENE	11.975	75	297071	12.78	PPBV #	77
46) TOLUENE	12.939	92	349908	13.14	PPBV	98
47) trans-1,3-DICHLOROPROPENE	12.479	75	279366	19.24	PPBV	86
48) 1,1,2-TRICHLOROETHANE	12.660	83	219812	13.82	PPBV	96
50) 2-HEXANONE	13.157	43	416676	15.11	PPBV	89
51) TETRACHLOROETHYLENE	14.070	164	255110	12.68	PPBV #	85
52) DIBROMOCHLOROMETHANE	13.363	129	546295	13.68	PPBV	99
53) 1,2-DIBROMOETHANE	13.615	107	394234	13.69	PPBV	97
54) CHLOROBENZENE	14.767	112	535247	13.55	PPBV	99
55) ETHYLBENZENE	15.147	91	832886	13.81	PPBV	98
56) m,p-XYLENE	15.344	106	681599m	29.33	PPBV	
57) o-XYLENE	15.841	106	337164	14.58	PPBV	96
58) STYRENE	15.724	104	430984	18.32	PPBV	99
59) NONANE	16.040	43	594772	15.89	PPBV	91
60) BROMOFORM	15.440	173	446727	16.15	PPBV	98
62) 1,1,2,2-TETRACHLOROETHANE	15.830	83	599663	13.77	PPBV	97
63) ISOPROPYLBENZENE	16.485	105	889392	14.10	PPBV	97
64) 2-CHLOROTOLUENE	17.035	91	674426	14.29	PPBV	98
65) 4-ETHYLTOLUENE	17.225	105	829110	17.52	PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.309	105	782030	14.59	PPBV	98
67) 1,2,4-TRIMETHYLBENZENE	17.774	105	706855	15.14	PPBV	97
68) m-DICHLOROBENZENE	17.956	146	445423	15.71	PPBV	97
69) BENZYL CHLORIDE	17.935	91	486461	21.56	PPBV	98
70) p-DICHLOROBENZENE	18.031	146	430749	17.48	PPBV	97
71) o-DICHLOROBENZENE	18.420	146	387377	12.32	PPBV	97
72) HEXACHLOROBUTADIENE	20.814	225	164794	17.81	PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.324	180	107556	19.17	PPBV	96

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3372.D
Acq On : 9 May 2007 1:11 pm
Operator : PhilipB
Sample : CC180-10 (M148)
Misc : MS13535,MSQ184,,,,,1
ALS Vial : 3 Sample Multiplier: 1

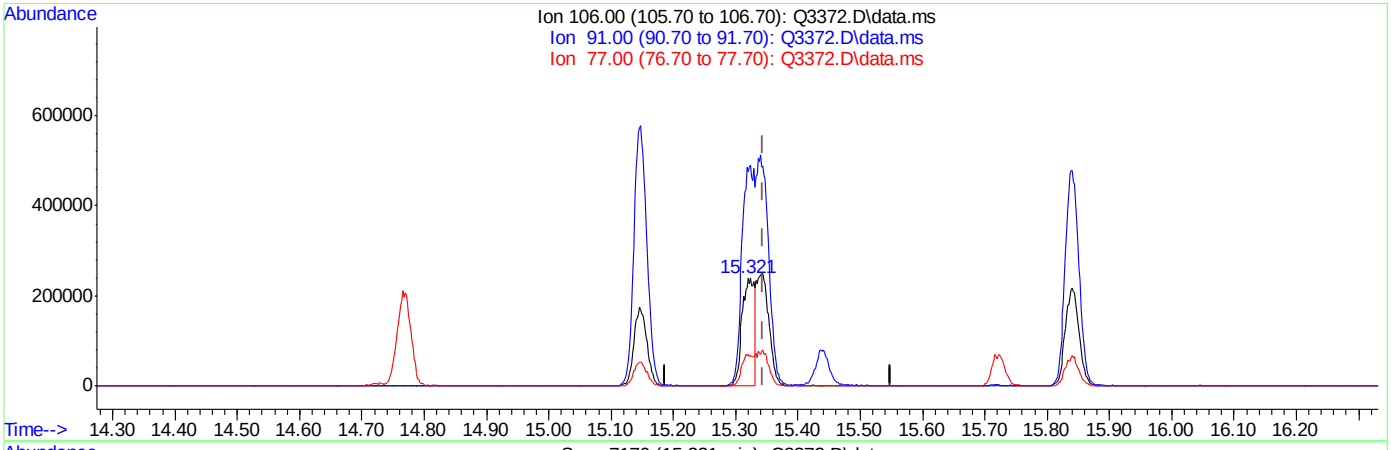
Quant Time: May 11 09:40:03 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration

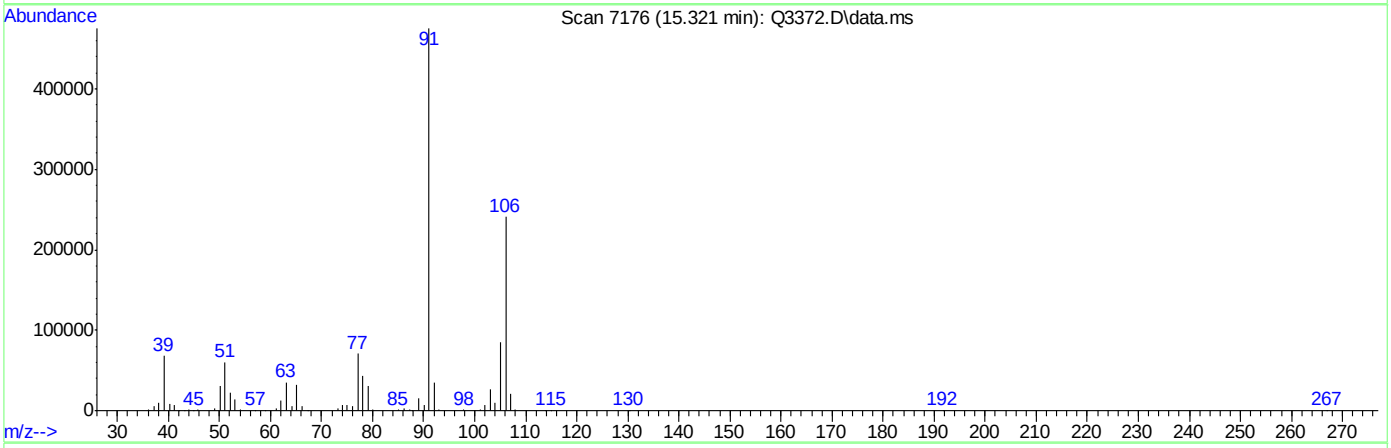


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3372.D
Acq On : 9 May 2007 1:11 pm
Operator : PhilipB
Sample : CC180-10 (M148)
Misc : MS13535,MSQ184,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 11 09:39:48 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration





TIC: Q3372.D\data.ms

(56) m,p-XYLENE (m)

15.321min (-0.023) 14.45PPBV

response 335714

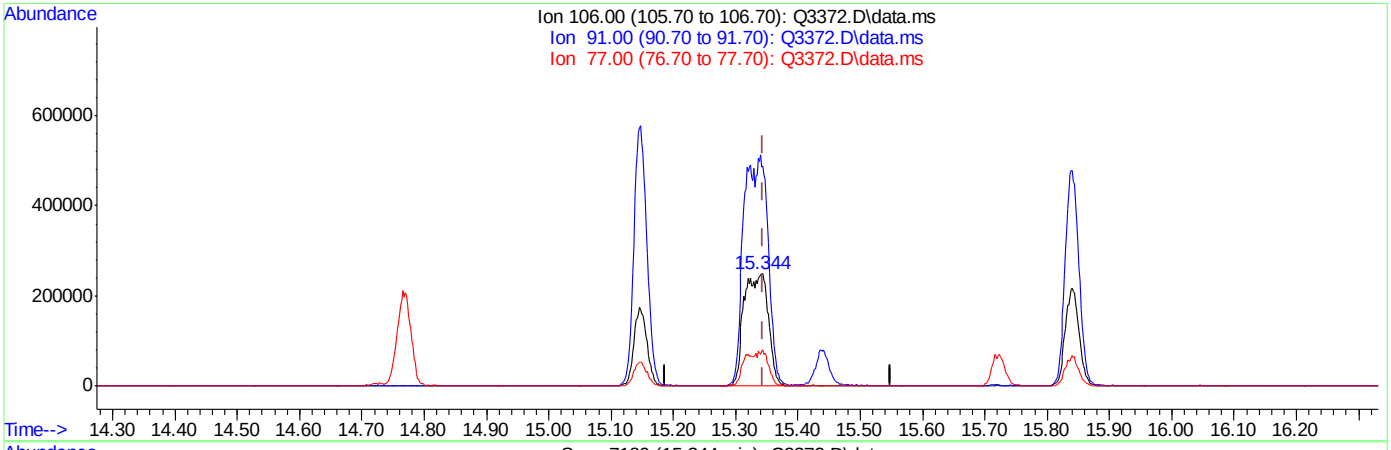
Ion	Exp%	Act%
106.00	100	100
91.00	212.80	197.45
77.00	31.20	29.36
0.00	0.00	0.00

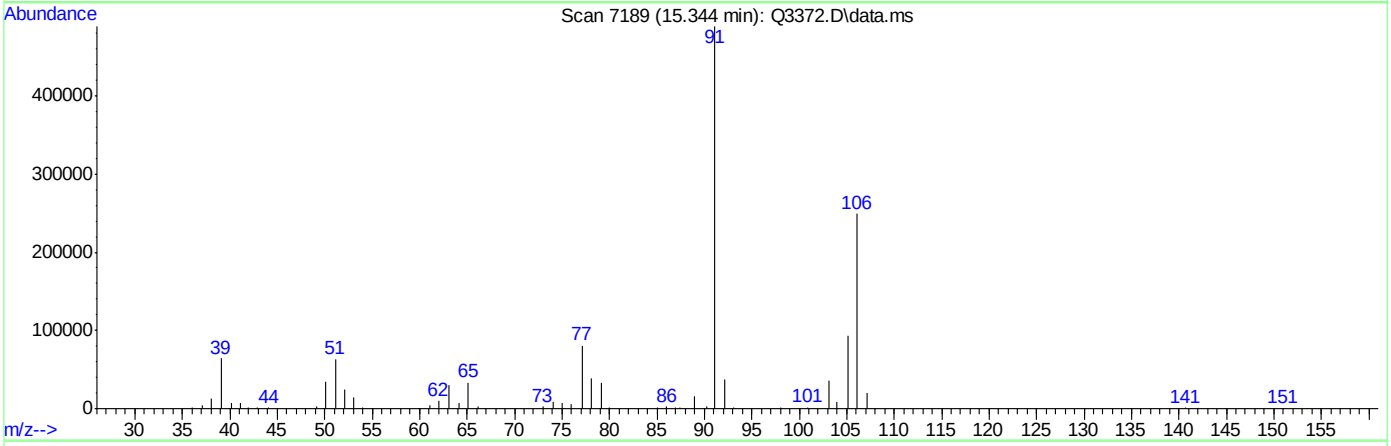
ACCUTEST Laboratories M64809

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3372.D
Acq On : 9 May 2007 1:11 pm
Operator : PhilipB
Sample : CC180-10 (M148)
Misc : MS13535,MSQ184,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 11 09:39:48 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri May 04 15:09:53 2007
Response via : Initial Calibration





TIC: Q3372.D\data.ms

(56) m,p-XYLENE (m)

15.344min (+0.000) 29.33PPBV m

response 681599

Ion	Exp%	Act%
106.00	100	100
91.00	212.80	196.27
77.00	31.20	32.52
0.00	0.00	0.00

ACCUTEST Laboratories M64809

Standard Lot #	
Calib STD 1	MSA332
Calib STD 2	MSA333
ICV	MSA335
Inter/Surr STD	MSA218
BS/BSD	MSA335

File ID	
Tune File 1	J10277
Tune File 2	J10286A
Initial Cal.	5/9/07
ID FILE	J050907T.M
Instrument ID	J
ICAL:	J10286
Column Type:	RTX-1
Sequence Verified By:	DT 5/9/07

Date:	5/9/2007
Analyst:	DANAT
Batch ID:	msj533
Matrix:	AIR
Approved By:	PHILIPB
Date Approved:	5/15/2007 4:11:59 PM

Data File	Sample ID	Bot #	Work Group #	Test	ALS #	Sample Vol (mls)	Diln Factor	Flow controller ID	Comment
J10267	IC533-4		MSA273		1		1		
J10268	IC533-0.2		MSA333		2		1		
J10269	IC533-0.5		MSA333		2		1		missing compounds at reporting minimum.
J10270	IC533-2		MSA333		2		1		
J10271	IC530-40		MSA332		3		1		Raise em volts here and recalibrate.
J10272	IC533-20		MSA332		3		1		
J10273	ICC533-10		MSA332		3		1		
J10274	IC533-5		MSA332		3		1		
J10275	IC533-2		MSA333		2		1		
J10276	IC533-0.5		MSA333		2		1		Compounds still low , raise em volts and recalibrate.
J10277	IC533-0.2		MSA333		2		1		
J10278	IC533-0.5		MSA333		2		1		
J10279	IC533-40		MSA332		3		1		
J10280	IC533-20		MSA332		3		1		
J10281	ICC533-10		MSA332		3		1		
J10282	IC533-5		MSA332		3		1		
J10283	IC533-2		MSA333		2		1		
J10284	ICV533-10	m087	MSA334		4		1		compounds low , remake std.
J10285	ICV533-10	m105	MSA329		4		1		used old std with low volume , remake std.
J10286	ICV533-10	m054	MSA335		4		1		
J10286a	CC533-10	m054	MSA335		4		1		
J10286b	BS	m054	MSA335		4		1		
J10287	MB	m009			5		1		
J10288	MB	m009			5		1		
J10289	M64467-1	m126	MS13540	VTO15STD	6		1		
J10290	M64502-1	m018	MS13540	VTO15STD	7		1		
J10291	M64502-2	m194	MS13540	VTO15STD	8		100		Re-run , over calibration.
J10292	M64502-2	m194	MS13540	VTO15STD	8		1000		Re-run , over calibration.
J10293	M64467-1DUP	m126	MS13540	VTO15STD	6		1		
J10294	M64502-2	m200	MS13540	VTO15STD	8		5000		Re-make dilution , results not match original run.
J10295	M64555-1	m056	MS13540	VTO15STD	9		1		
J10296	M64555-2	m055	MS13540	VTO15STD	10		1		
J10297	M64644-1	m123	MS13540	VTO15STD	11		1		Re-run , over calibration.

J10298	M64644-2	m103	MS13540	VTO15STD	12		1		Re-run , over calibration.
J10299	M64644-3	m003	MS13540	VTO15STD	13		1		Re-run , over calibration.
J10300	M64242-1R	m099	MS13540	VTO15STD	14		1		
J10301	M64246-2R	m064	MS13540	VTO15STD	15		1		
J10302	M64247-1R	m048	MS13540	VTO15STD	16		1		
J10303	M64319-2R	m071	MS13540	VTO15STD	5		1		
J10304	SCC	m050			6		1		Re-run , internal std low.
J10305	SCC	m131			7		1		
J10306	SCC	m132			8		1		
J10307	SCC	m069			9		1		
J10308	SCC	m066			10		1		
J10309	SCC	m073			11		1		
J10310	SCC	m089			12		1		
J10311	SCC	m070			13		1		

Standard Lot #	
Calib STD 1	MSA332
Calib STD 2	MSA333
ICV	MSA335
Inter/Surr STD	MSA218
BS/BSD	MSA335

File ID	
Tune File 1	J10367.D
Tune File 2	NA
Initial Cal.	5-9-07
ID FILE	J050907T.M
Instrument ID	J
ICAL:	J10286.D
Column Type:	RTX-1
Sequence Verified By:	PB 5-15-07

Date:	5/15/2007
Analyst:	PHILIPB
Batch ID:	MSJ537
Matrix:	AIR
Approved By:	DOUGY
Date Approved:	5/22/2007 11:57:19 AM

Data File	Sample ID	Bot #	Work Group #	Test	ALS #	Sample Vol (mls)	Diln Factor	Flow controller ID	Comment
J10366	CC533-10	M054	MSA335	VTO15STD	1		1	NA	Areas low; re-run
J10367	CC533-10	M054	MSA335	VTO15STD	1		1	NA	O.K.; BFB
J10368	BS	M054	MSA335	VTO15STD	1		1	NA	O.K.; passes as 2nd CCV
J10369	MB	M108	MS13551	VTO15STD	2		1	NA	O.K.
J10369A	M64240-22	M108	MS13551	VTO15STD	2		1	NA	O.K.; Certification blank.
J10370	M64240-23	M114	MS13551	VTO15STD	3		1	NA	O.K.; Certification blank.
J10371	M64240-24	M098	MS13551	VTO15STD	4		1	NA	O.K.; Certification blank.
J10372	M64240-25	M170	MS13551	VTO15STD	5		1	NA	O.K.; Certification blank.
J10373	M64240-21	M026	MS13551	VTO15STD	6		1	NA	O.K.; Certification blank.
J10374	M64502-2	m205	MS13540	VTO15STD	7		5000		
J10375	M64699-1	m107	MS13551	VTO15STD	8		1		
J10376	M64700-1	m135	MS13551	VTO15STD	9		1		
J10377	M64701-1		MS13551	VTO15STD	10		1		Re-run , too dilute.
J10378	M64718-1	m024	MS13560	VMAAPH	11		1		
J10379	M64718-2	m095	MS13560	VMAAPH	12		1		
J10380	M64718-3	m084	MS13560	VMAAPH	13		20		Re-run , internal std. Low
J10381	M64718-3	m084	MS13560	VMAAPH	14		20		
J10382	M64809-1	m131	MS13551	VTO15STD	15		1		
J10383	M64809-2	m073	MS13551	VTO15STD	16		1		
J10384	M64809-3	m132	MS13551	VTO15STD	17		1		
J10385	M64809-4	m032	MS13551	VTO15STD	18		1		
J10386	M64809-5	m089	MS13551	VTO15STD	19		1		
J10387	M64809-6	m069	MS13551	VTO15STD	20		1		
J10388	M64809-7	m138	MS13551	VTO15STD	21		1		
J10389	M64809-8	m112	MS13551	VTO15STD	22		1		
J10390	M64809-9	m009	MS13551	VTO15STD	23		1		
J10391	M64809-9DUP	m009		VTO15SL	24		1		

Standard Lot #	
Calib STD 1	MSA329
Calib STD 2	MSA330
ICV	MSA331
Inter/Surr STD	MSA218
BS/BSD	MSA331

File ID	
Tune File 1	Q3333.D
Tune File 2	NA
Initial Cal.	5-3-07
ID FILE	Q050307T.M
Instrument ID	Q
ICAL:	Q3341A.D
Column Type:	RTX-1
Sequence Verified By:	PB 5-4-07

Date:	5/3/2007
Analyst:	PHILIPB
Batch ID:	MSQ180
Matrix:	AIR
Approved By:	DOUGY
Date Approved:	5/21/2007 5:29:15 PM

Data File	Sample ID	Bot #	Work Group #	Test	ALS #	Sample Vol (mls)	Diln Factor	Flow controller ID	Comment
Q3333	IC180-40	M105	MSA329	VTO15STD	1		1	NA	O.K.; BFB
Q3334	IC180-20	M105	MSA329	VTO15STD	1		1	NA	O.K,
Q3335	ICC180-10	M105	MSA329	VTO15STD	1		1	NA	O.K.
Q3336	IC180-5	M105	MSA329	VTO15STD	1		1	NA	O.K.
Q3337	IC180-2	M105	MSA329	VTO15STD	1		1	NA	O.K.
Q3338	IC180-.5	M057	MSA330	VTO15STD	2		1	NA	O.K.
Q3339	IC180-.2	M057	MSA330	VTO15STD	2		1	NA	O.K.
Q3340	ICV180-10	M148	MSA331	VTO15STD	3		1	NA	Gases low; possible trap temp error; Re-run.

Standard Lot #	
Calib STD 1	MSA329
Calib STD 2	MSA330
ICV	MSA331
Inter/Surr STD	MSA218
BS/BSD	MSA331

File ID	
Tune File 1	Q3341.D
Tune File 2	NA
Initial Cal.	5-3-07
ID FILE	Q050307T.M
Instrument ID	
ICAL:	Q3341A.D
Column Type:	RTX-1
Sequence Verified By:	PB 5-7-07

Date:	5/4/2007
Analyst:	PHILIPB
Batch ID:	MSQ181
Matrix:	AIR
Approved By:	DOUGY
Date Approved:	5/21/2007 5:29:38 PM

Data File	Sample ID	Bot #	Work Group #	Test	ALS #	Sample Vol (mls)	Diln Factor	Flow controller ID	Comment
3341	CC180-10	M148	MSA331	VTO15STD	3		1	NA	O.K.: BFB
3341A	ICV180-10	M148	MSA331	VTO15STD	3		1	NA	O.K.
3341B	BS	M148	MSA331	VTO15STD	3		1	NA	O.K.
3342	MB	M116	MS13500	VTO15STD	4		1	NA	O.K.
3343	M64501-1	M042	MS13500	VTO15SL	5		1	MC061	O.K.
3344	M64501-1DUP	M042	MS13500	VTO15SL	5		1	MC061	O.K.
3345	M64501-2	M142	MS13500	VTO15SL	6		1	MC049	O.K.
3346	M64501-3	M068	MS13500	VTO15SL	7		1	MC065	O.K.
3347	M64501-4	M125	MS13500	VTO15SL	8		1	MC040	O.K.
3348	M64501-5	M114	MS13500	VTO15SL	9		1	MC027	Temp. control fualt on 7100; re-run.
3349	M64501-6	M066	MS13500	VTO15SL	10		1	MC008	O.K.
3350	M64501-7	M044	MS13500	VTO15SL	11		1	MC059	O.K.
3351	M64501-8	M098	MS13500	VTO15SL	12		1	MC028	O.K.
3352	M64501-9	M170	MS13500	VTO15SL	13		1	MC032	O.K.
3353	M64501-5	M114	MS13500	VTO15SL	9		1	MC027	O.K.

Standard Lot #	
Calib STD 1	MSA329
Calib STD 2	MSA330
ICV	MSA331
Inter/Surr STD	MSA218
BS/BSD	MSA331

File ID	
Tune File 1	Q3366.D
Tune File 2	NA
Initial Cal.	5-3-07
ID FILE	Q050307T.M
Instrument ID	Q
ICAL:	Q3341A.D
Column Type:	RTX-1
Sequence Verified By:	PB 5-9-07

Date:	5/8/2007
Analyst:	PHILIPB
Batch ID:	MSQ183
Matrix:	AIR
Approved By:	DOUGY
Date Approved:	5/22/2007 11:58:07 AM

Data File	Sample ID	Bot #	Work Group #	Test	ALS #	Sample Vol (mls)	Diln Factor	Flow controller ID	Comment
Q3366	CC180-10	M148	MSA331	VTO15STD	3		1	NA	O.K.; BFB
Q3366A	BS	M148	MSA331	VTO15STD	3		1	NA	O.K.
Q3367	MB	M112	MS13508	VTO15STD	1		1	NA	O.K.
Q3367A	M62420-9	M112	MS13508	VTO15STD	1		1	NA	O.K.
Q3368	FCB065	M192	MS13508	VTO15STD	1		1	MC062	O.K.
Q3369	CP408	M205	MS13508	VTO15STD	1		1	NA	O.K.
Q3370	CP409	M117	MS13508	VTO15STD	1		1	NA	Re-clean; Tetra. Present.
Q3371	M64240-10	M032	MS13508	VTO15STD	1		1	NA	O.K.
Q3371A	CP410	M032	MS13508	VTO15STD	1		1	NA	O.K.

Standard Lot #	
Calib STD 1	MSA329
Calib STD 2	MSA330
ICV	MSA331
Inter/Surr STD	MSA218
BS/BSD	MSA331

File ID	
Tune File 1	Q3372.D
Tune File 2	NA
Initial Cal.	5-3-07
ID FILE	Q050307T.M
Instrument ID	Q
ICAL:	Q3341A.D
Column Type:	RTX-1
Sequence Verified By:	PB 5-10-07

Date:	5/9/2007
Analyst:	PHILIPB
Batch ID:	MSQ184
Matrix:	AIR
Approved By:	DOUGY
Date Approved:	5/29/2007 10:14:52 AM

Data File	Sample ID	Bot #	Work Group #	Test	ALS #	Sample Vol (mls)	Diln Factor	Flow controller ID	Comment
Q3372	CC184-10	M015	MSA329	VTO15SL	1		1	NA	Report Ethanol only; BFB
Q3373	BS	M148	MSA331	VTO15SL	3		1	NA	O.K.
Q3374	FCB066	M201	NA	VTO15SL	4		1	MC008	O.K.
Q3375	MB	M138	CP409	VTO15SL	4		1	NA	O.K.
Q3375A	M64620-17	M138	MS13535	VTO15SL	4		1	NA	O.K.
Q3376	M64418-20A	M115	MS13535	VTO15SL	5		1	NA	O.K.
Q3377	M64418-21A	M120	MS13535	VTO15SL	6		1	NA	O.K.
Q3378	M64418-21ADUP	M120	MS13535	VTO15SL	6		1	NA	O.K.
Q3379	M64418-22A	M154	MS13535	VTO15SL	7		1	NA	O.K.