New England ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

05/30/07

Technical Report for

GEI Consultants, Inc.

Indoor & Outdoor Air Samples Tufts St., Somerville MA

045162

Accutest Job Number: M64940

Sampling Date: 05/17/07

Report to:

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

ATTN: Raymond Siegener, Ph.D.

Total number of pages in report: **503**

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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: M64940

Indoor & Outdoor Air Samples Tufts St., Somerville MA
Project No: 045162

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
M64940-1	05/17/07	21:00	SLS	05/18/07	AIR	Air	045162-150 GLEN-ROOF
M64940-2	05/17/07	21:26	SLS	05/18/07	AIR	Air	045162-150 GLEN-RM 126
M64940-3	05/17/07	21:07	SLS	05/18/07	AIR	Air	045162-150 GLEN-RM 138
M64940-4	05/17/07	21:07	SLS	05/18/07	AIR	Air	045162-150 GLEN-RM 139
M64940-5	05/17/07	21:21	SLS	05/18/07	AIR	Air	045162-150 GLEN-RM 141
M64940-6	05/17/07	21:11	SLS	05/18/07	AIR	Air	045162-150 GLEN-RM 142
M64940-7	05/17/07	21:13	SLS	05/18/07	AIR	Air	045162-150 GLEN-RM 146
M64940-8	05/17/07	00:00	SLS	05/18/07	AIR	Air	045162-TRIP BLANK

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	GEI Consultants, Inc.	**Job No**	M64940
Site:	Indoor & Outdoor Air Samples Tufts St., Somerville MA	**Report Date**	5/30/2007 11:01:35 AM

8 Sample(s) were collected on 05/17/2007 and were received at Accutest on 05/18/2007. These Samples received an Accutest job number of M64940. 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:** MSQ188

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) M64901-1DUP were used as the QC samples indicated.

Matrix AIR **Batch ID:** MSQ190

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) M64940-7DUP 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(M64940).

Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Client Sample ID:	045162-150 GLEN-ROOF		
Lab Sample ID:	M64940-1	**Date Sampled:**	05/17/07
Matrix:	AIR - Air Summa ID: M108	**Date Received:**	05/18/07
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	Q3465.D	1	05/19/07	PB	n/a	n/a	MSQ188
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	77%		57-139%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	045162-150 GLEN-RM 126		
Lab Sample ID:	M64940-2	**Date Sampled:**	05/17/07
Matrix:	AIR - Air Summa ID: M114	**Date Received:**	05/18/07
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	Q3466.D	1	05/19/07	PB	n/a	n/a	MSQ188
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	80%		57-139%

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

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	045162-150 GLEN-RM 138		
Lab Sample ID:	M64940-3	**Date Sampled:**	05/17/07
Matrix:	AIR - Air Summa ID: M098	**Date Received:**	05/18/07
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	Q3467.D	1	05/19/07	PB	n/a	n/a	MSQ188
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	78%		57-139%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	045162-150 GLEN-RM 139		
Lab Sample ID:	M64940-4	**Date Sampled:**	05/17/07
Matrix:	AIR - Air Summa ID: M026	**Date Received:**	05/18/07
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	Q3468.D	1	05/19/07	PB	n/a	n/a	MSQ188
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	78%		57-139%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	045162-150 GLEN-RM 141		
Lab Sample ID:	M64940-5	**Date Sampled:**	05/17/07
Matrix:	AIR - Air Summa ID: M125	**Date Received:**	05/18/07
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	Q3469.D	1	05/19/07	PB	n/a	n/a	MSQ188
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	83%		57-139%

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

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	045162-150 GLEN-RM 142		
Lab Sample ID:	M64940-6	**Date Sampled:**	05/17/07
Matrix:	AIR - Air Summa ID: M142	**Date Received:**	05/18/07
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	Q3470.D	1	05/19/07	PB	n/a	n/a	MSQ188
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	80%		57-139%

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

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	045162-150 GLEN-RM 146		
Lab Sample ID:	M64940-7	**Date Sampled:**	05/17/07
Matrix:	AIR - Air Summa ID: M149	**Date Received:**	05/18/07
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	Q3499.D	1	05/23/07	PB	n/a	n/a	MSQ190
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	89%		57-139%

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

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	045162-TRIP BLANK		
Lab Sample ID:	M64940-8	**Date Sampled:**	05/17/07
Matrix:	AIR - Air Summa ID: M170	**Date Received:**	05/18/07
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	Q3464.D	1	05/19/07	PB	n/a	n/a	MSQ188
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

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

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

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

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

Misc. Forms

Custody Documents and Other Forms

CHAIN OF CUSTODY

ACCUTEST Laboratories

Air Sampling Field Data Sheet

FED-EX Tracking #: | Bottle Order Control #: | Lab Quote #: | Lab Job #: M64940

PAGE 1 OF 2

Client / Reporting Information

Company Name: GEI
Address: 400 Unicorn Park Dr
City: Woburn, State: MA, Zip: 01801
Project Contact: | E-mail:
Phone #: 781-721-4000 | Fax #: 781-721-4073
Sampler(s) Name(s):

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

Weather Parameters

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

Requested Analysis

Standard TO-15 Reporting List. | MA DEP APH

Lab Sample #	Field ID / Point of Collection	Air Type: Indoor(I) Soil Vap(SV) Ambient(A)	Sampling Equipment Info: Canister Serial #	Canister Size 6L or 1L	Flow Controller Serial #	Start Sampling Information: Date	Time (24hr clock)	Canister Pressure ("Hg)	Interior Temp (F)	Sampler Init.	Stop Sampling Information: Date	Time (24hr clock)	Canister Pressure ("Hg)	Interior Temp (F)	Sampler Init.
-1	045162-150Glen-Roof	A	M108	6L	MFC050	5-17-07	1638	31	/	SLS	5-17-07	2100	5	/	SLS
-2	045162-150Glen-Rm126	I	M114		MC007		1706	31				2126	4.5	69.1	
-3	045162-150Glen-Rm130	I	M098		MC064		1647	31				2107	4		
-4	045162-150Glen-Rm139	I	M026		MC116		1647	30				2107	3		
-5	045162-150Glen-Rm141	I	M125		MFC014		1656	31				2121	5		
-6	045162-150Glen-Rm142	I	M142		MC122		1657	29				2111	4		
-7	045162-150Glen-Rm 146	I	M149	↓	MC039	↓	1658	30		↓	↓	2113	4	↓	↓
-8	045162-TRIP BLANK	I	M170	↓	MC045										

Turnaround Time (Business days)

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

Approved By:
Date:

Data Deliverable Information

Comm A:
Comm B:
Full T1:
Other:

Comments / Remarks

See attached list

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

Relinquished by Laboratory:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1		1	2 GEI Lab	5/17/07 1430	2
Relinquished by: 3	Date Time: 5/17/07 2245	Received By: 3 GEI Lab	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by: 5	Date Time: 5/18/07 1115	Received By: 5	Custody Seal #	5/18/07 12:45	

SM013-01 (2/14/06)

M64940: Chain of Custody
Page 1 of 2

Subslab

~~Indoor~~ Air Sampling Analyte List

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

Summa Canister and Flow Controller Log

Job Number: M64940
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA
Received: 05/18/07

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
M108	6	29.4	05/17/07	PB	CP409	J10373.D	M64940-1	05/18/07	PB	1		-.5	1
M114	6	29.4	05/17/07	PB	CP411	Q3483.D	M64940-2	05/18/07	PB	2		-1	1
M098	6	29.4	05/17/07	PB	CP411	Q3483.D	M64940-3	05/18/07	PB	2		-1	1
M026	6	29.4	05/17/07	PB	CP409	J10373.D	M64940-4	05/18/07	PB	2		-1	1
M125	6	29.4	05/17/07	PB	CP411	Q3483.D	M64940-5	05/18/07	PB	2		-1	1
M142	6	29.4	05/17/07	PB	CP411	Q3483.D	M64940-6	05/18/07	PB	3		-1.5	1
M149	6	29.4	05/17/07	PB	CP411	Q3483.D	M64940-7	05/18/07	PB	4		-2	1
M170	6	29.4	05/17/07	PB	CP411	Q3483.D	M64940-8	05/18/07	PB	30			1

FLOW CONTROLLERS

Shipping					Receiving		
Flow Crtl ID	Date Out	By	cc/ min	Time hrs.	Date In	By	cc/ min
MC007	05/17/07	PB	20	4	05/18/07	PB	21.2
MC014	05/17/07	PB	20	4	05/18/07	PB	20.7
MC039	05/15/07	PB	20	4	05/18/07	PB	21.1
MC045	05/15/07	PB	20	4	05/18/07	PB	20.5
MC050	05/17/07	PB	20	4	05/18/07	PB	20.6
MC064	05/17/07	PB	20	4	05/18/07	PB	20.6
MC116	05/17/07	PB	20	4	05/18/07	PB	21.8
MC122	05/15/07	PB	20	4	05/18/07	PB	20.8

Accutest Bottle Order(s):
PB/5-15-07/GEI/TUFTS ST
PB/5-15-07/GEI/TUFTS ST.
PB/5-16-07/GEI/TUFTS ST.
PB/5-17-07/GEI/TUFTS ST.

Prep Date	Room Temp(F)	Bar Pres "Hg
05/17/07	70	29.92

Internal Sample Tracking Chronicle

GEI Consultants, Inc.

Job No: M64940

Indoor & Outdoor Air Samples Tufts St., Somerville MA
Project No: 045162

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
M64940-1	Collected: 17-MAY-07 21:00 By: SLS		Received: 18-MAY-07 By: RS			
045162-150 GLEN-ROOF						
M64940-1	TO-15	19-MAY-07 00:54	PB			VTO15STD
M64940-2	Collected: 17-MAY-07 21:26 By: SLS		Received: 18-MAY-07 By: RS			
045162-150 GLEN-RM 126						
M64940-2	TO-15	19-MAY-07 01:36	PB			VTO15STD
M64940-3	Collected: 17-MAY-07 21:07 By: SLS		Received: 18-MAY-07 By: RS			
045162-150 GLEN-RM 138						
M64940-3	TO-15	19-MAY-07 02:17	PB			VTO15STD
M64940-4	Collected: 17-MAY-07 21:07 By: SLS		Received: 18-MAY-07 By: RS			
045162-150 GLEN-RM 139						
M64940-4	TO-15	19-MAY-07 02:58	PB			VTO15STD
M64940-5	Collected: 17-MAY-07 21:21 By: SLS		Received: 18-MAY-07 By: RS			
045162-150 GLEN-RM 141						
M64940-5	TO-15	19-MAY-07 03:38	PB			VTO15STD
M64940-6	Collected: 17-MAY-07 21:11 By: SLS		Received: 18-MAY-07 By: RS			
045162-150 GLEN-RM 142						
M64940-6	TO-15	19-MAY-07 04:19	PB			VTO15STD
M64940-7	Collected: 17-MAY-07 21:13 By: SLS		Received: 18-MAY-07 By: RS			
045162-150 GLEN-RM 146						
M64940-7	TO-15	23-MAY-07 09:56	PB			VTO15STD
M64940-8	Collected: 17-MAY-07 00:00 By: SLS		Received: 18-MAY-07 By: RS			
045162-TRIP BLANK						
M64940-8	TO-15	19-MAY-07 00:14	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: M64940
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
MSQ188-MB	Q3455.D	1	05/18/07	PB	n/a	n/a	MSQ188

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

M64940-1, M64940-2, M64940-3, M64940-4, M64940-5, M64940-6, M64940-8

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	78%	57-139%

Method Blank Summary

Job Number: M64940
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
MSQ190-MB	Q3492.D	1	05/22/07	PB	n/a	n/a	MSQ190

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

M64940-7

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

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	91%	57-139%

Method Blank Summary

Job Number: M64940
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

MSJ537-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	97%	57-139%

Method Blank Summary

Job Number: M64940
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
MSQ186-MB	Q3398.D	1	05/16/07	PB	n/a	n/a	MSQ186

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

MSQ186-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	86%	57-139%

Blank Spike Summary

Job Number: M64940
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
MSQ188-BS	Q3453A.D	1	05/18/07	PB	n/a	n/a	MSQ188

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

M64940-1, M64940-2, M64940-3, M64940-4, M64940-5, M64940-6, M64940-8

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	Limits
75-00-3	Chloroethane	10	8.9	89	70-130
56-23-5	Carbon tetrachloride	10	9.5	95	70-130
75-34-3	1,1-Dichloroethane	10	12.4	124	70-130
75-35-4	1,1-Dichloroethylene	10	10.5	105	70-130
107-06-2	1,2-Dichloroethane	10	9.6	96	70-130
156-60-5	trans-1,2-Dichloroethylene	10	10.8	108	70-130
156-59-2	cis-1,2-Dichloroethylene	10	8.5	85	70-130
71-55-6	1,1,1-Trichloroethane	10	9.5	95	70-130
79-34-5	1,1,2,2-Tetrachloroethane	10	10.8	108	70-130
79-00-5	1,1,2-Trichloroethane	10	9.0	90	70-130
127-18-4	Tetrachloroethylene	10	10.6	106	70-130
79-01-6	Trichloroethylene	10	9.6	96	70-130
75-01-4	Vinyl chloride	10	7.3	73	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	100%	57-139%

Blank Spike Summary

Job Number: M64940
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
MSQ190-BS	Q3491A.D	1	05/22/07	PB	n/a	n/a	MSQ190

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

M64940-7

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	Limits
75-00-3	Chloroethane	10	7.4	74	70-130
56-23-5	Carbon tetrachloride	10	9.0	90	70-130
75-34-3	1,1-Dichloroethane	10	9.0	90	70-130
75-35-4	1,1-Dichloroethylene	10	9.3	93	70-130
107-06-2	1,2-Dichloroethane	10	8.7	87	70-130
156-60-5	trans-1,2-Dichloroethylene	10	8.7	87	70-130
156-59-2	cis-1,2-Dichloroethylene	10	8.6	86	70-130
71-55-6	1,1,1-Trichloroethane	10	8.3	83	70-130
79-34-5	1,1,2,2-Tetrachloroethane	10	9.4	94	70-130
79-00-5	1,1,2-Trichloroethane	10	9.4	94	70-130
127-18-4	Tetrachloroethylene	10	8.8	88	70-130
79-01-6	Trichloroethylene	10	9.3	93	70-130
75-01-4	Vinyl chloride	10	7.8	78	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	103%	57-139%

Blank Spike Summary

Job Number: M64940
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

MSJ537-SCC

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: M64940
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
MSQ186-BS	Q3396A.D	1	05/16/07	PB	n/a	n/a	MSQ186

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

MSQ186-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	Limits
75-00-3	Chloroethane	10	10.1	101	70-130
56-23-5	Carbon tetrachloride	10	10.3	103	70-130
75-34-3	1,1-Dichloroethane	10	9.2	92	70-130
75-35-4	1,1-Dichloroethylene	10	8.7	87	70-130
107-06-2	1,2-Dichloroethane	10	10.2	102	70-130
156-60-5	trans-1,2-Dichloroethylene	10	9.8	98	70-130
156-59-2	cis-1,2-Dichloroethylene	10	9.1	91	70-130
71-55-6	1,1,1-Trichloroethane	10	10.0	100	70-130
79-34-5	1,1,2,2-Tetrachloroethane	10	8.1	81	70-130
79-00-5	1,1,2-Trichloroethane	10	8.1	81	70-130
127-18-4	Tetrachloroethylene	10	11.0	110	70-130
79-01-6	Trichloroethylene	10	8.8	88	70-130
75-01-4	Vinyl chloride	10	10.2	102	70-130

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

Duplicate Summary

Job Number: M64940
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
M64901-1DUP	Q3457.D	1	05/18/07	PB	n/a	n/a	MSQ188
M64901-1	Q3456.D	1	05/18/07	PB	n/a	n/a	MSQ188

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

M64940-1, M64940-2, M64940-3, M64940-4, M64940-5, M64940-6, M64940-8

CAS No.	Compound	M64901-1 ppbv	Q	DUP ppbv	Q	RPD	Limits
75-00-3	Chloroethane	ND		ND		nc	25
56-23-5	Carbon tetrachloride	ND		ND		nc	25
75-34-3	1,1-Dichloroethane	ND		ND		nc	25
75-35-4	1,1-Dichloroethylene	ND		ND		nc	25
107-06-2	1,2-Dichloroethane	ND		ND		nc	25
156-60-5	trans-1,2-Dichloroethylene	ND		ND		nc	25
156-59-2	cis-1,2-Dichloroethylene	ND		ND		nc	25
71-55-6	1,1,1-Trichloroethane	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	ND		ND		nc	25
79-01-6	Trichloroethylene	ND		ND		nc	25
75-01-4	Vinyl chloride	ND		ND		nc	25

CAS No.	Surrogate Recoveries	DUP	M64901-1	Limits
460-00-4	4-Bromofluorobenzene	81%	83%	57-139%

Duplicate Summary

Job Number: M64940
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
M64940-7DUP	Q3500.D	1	05/23/07	PB	n/a	n/a	MSQ190
M64940-7	Q3499.D	1	05/23/07	PB	n/a	n/a	MSQ190

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

M64940-7

CAS No.	Compound	M64940-7 ppbv	Q	DUP ppbv	Q	RPD	Limits
75-00-3	Chloroethane	ND		ND		nc	25
56-23-5	Carbon tetrachloride	ND		ND		nc	25
75-34-3	1,1-Dichloroethane	ND		ND		nc	25
75-35-4	1,1-Dichloroethylene	ND		ND		nc	25
107-06-2	1,2-Dichloroethane	ND		ND		nc	25
156-60-5	trans-1,2-Dichloroethylene	ND		ND		nc	25
156-59-2	cis-1,2-Dichloroethylene	ND		ND		nc	25
71-55-6	1,1,1-Trichloroethane	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	ND		ND		nc	25
79-01-6	Trichloroethylene	ND		ND		nc	25
75-01-4	Vinyl chloride	ND		ND		nc	25

CAS No.	Surrogate Recoveries	DUP	M64940-7	Limits
460-00-4	4-Bromofluorobenzene	91%	89%	57-139%

Summa Cleaning Certification

Job Number: M64940
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-SCC	J10369A.D	1	05/15/07	PB	n/a	n/a	MSJ537

The QC reported here (Summa M108) applies to the following samples: **Method:** TO-15

Batch CP409 cleaned 05/04/07: M64940-1(M108)

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	97%	57-139%

Summa Cleaning Certification

Job Number: M64940
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-SCC	J10370.D	1	05/15/07	PB	n/a	n/a	MSJ537

The QC reported here (Summa M114) applies to the following samples: **Method:** TO-15

Batch CP411 cleaned 05/08/07: M64940-2(M114)

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	97%	57-139%

Summa Cleaning Certification

Job Number: M64940
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-SCC	J10371.D	1	05/15/07	PB	n/a	n/a	MSJ537

The QC reported here (Summa M098) applies to the following samples: **Method:** TO-15

Batch CP411 cleaned 05/08/07: M64940-3(M098)

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	91%	57-139%

Summa Cleaning Certification

Job Number: M64940
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-SCC	J10372.D	1	05/15/07	PB	n/a	n/a	MSJ537

The QC reported here (Summa M170) applies to the following samples: **Method:** TO-15

Batch CP411 cleaned 05/08/07: M64940-8(M170)

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	93%	57-139%

Summa Cleaning Certification

Job Number: M64940
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-SCC	J10373.D	1	05/15/07	PB	n/a	n/a	MSJ537

The QC reported here (Summa M026) applies to the following samples: **Method:** TO-15

Batch CP409 cleaned 05/04/07: M64940-4(M026)

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: M64940
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
MSQ186-SCC	Q3398A.D	1	05/16/07	PB	n/a	n/a	MSQ186

The QC reported here (Summa M142) applies to the following samples: **Method:** TO-15

Batch CP411 cleaned 05/08/07: M64940-6(M142)

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

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	86%	57-139%

Summa Cleaning Certification

Job Number: M64940
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
MSQ186-SCC	Q3400.D	1	05/16/07	PB	n/a	n/a	MSQ186

The QC reported here (Summa M125) applies to the following samples: **Method:** TO-15

Batch CP411 cleaned 05/08/07: M64940-5(M125)

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	84%	57-139%

Summa Cleaning Certification

Job Number: M64940
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
MSQ186-SCC	Q3401.D	1	05/16/07	PB	n/a	n/a	MSQ186

The QC reported here (Summa M149) applies to the following samples: **Method:** TO-15

Batch CP411 cleaned 05/08/07: M64940-7(M149)

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

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

Instrument Performance Check (BFB)

Job Number: M64940
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: M64940
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)
ZZZZZZ	J10382.D	05/16/07	01:03	13:00	(unrelated sample)
ZZZZZZ	J10383.D	05/16/07	01:50	13:47	(unrelated sample)
ZZZZZZ	J10384.D	05/16/07	02:38	14:35	(unrelated sample)
ZZZZZZ	J10385.D	05/16/07	03:24	15:21	(unrelated sample)
ZZZZZZ	J10386.D	05/16/07	04:11	16:08	(unrelated sample)
ZZZZZZ	J10387.D	05/16/07	04:58	16:55	(unrelated sample)
ZZZZZZ	J10388.D	05/16/07	08:06	20:03	(unrelated sample)
ZZZZZZ	J10389.D	05/16/07	08:55	20:52	(unrelated sample)
M64809-9	J10390.D	05/16/07	09:46	21:43	(used for QC only; not part of job M64940)
M64809-9DUP	J10391.D	05/16/07	10:37	22:34	Duplicate

Instrument Performance Check (BFB)

Job Number: M64940
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample: MSQ185-BFB
Lab File ID: Q3387.D
Instrument ID: GCMSQ
Injection Date: 05/15/07
Injection Time: 17:12

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	21000	31.1		Pass
75	30.0 - 66.0% of mass 95	35784	53.0		Pass
95	Base peak, 100% relative abundance	67472	100.0		Pass
96	5.0 - 9.0% of mass 95	4748	7.0		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 120.0% of mass 95	35648	52.8		Pass
175	4.0 - 9.0% of mass 174	2181	3.2	(6.1) [a]	Pass
176	93.0 - 101.0% of mass 174	35216	52.2	(98.8) [a]	Pass
177	5.0 - 9.0% of mass 176	2542	3.8	(7.2) [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
MSQ185-IC185	Q3387.D	05/15/07	17:12	00:00	Initial cal 2
MSQ185-IC185	Q3389.D	05/15/07	18:37	01:25	Initial cal .2
MSQ185-IC185	Q3390.D	05/15/07	19:16	02:04	Initial cal 40
MSQ185-IC185	Q3391.D	05/15/07	19:56	02:44	Initial cal 5
MSQ185-IC185	Q3392.D	05/16/07	08:18	15:06	Initial cal 20
MSQ185-ICC185	Q3393.D	05/16/07	09:18	16:06	Initial cal 10
MSQ185-IC185	Q3394.D	05/16/07	10:02	16:50	Initial cal .5
MSQ185-ICV185	Q3395.D	05/16/07	11:30	18:18	Initial cal verification 10

Instrument Performance Check (BFB)

Job Number: M64940
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample: MSQ186-BFB
Lab File ID: Q3396.D
Instrument ID: GCMSQ
Injection Date: 05/16/07
Injection Time: 12:25

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	34923	31.4		Pass
75	30.0 - 66.0% of mass 95	62112	55.9		Pass
95	Base peak, 100% relative abundance	111101	100.0		Pass
96	5.0 - 9.0% of mass 95	7467	6.7		Pass
173	Less than 2.0% of mass 174	237	0.21	(0.39) [a]	Pass
174	50.0 - 120.0% of mass 95	60476	54.4		Pass
175	4.0 - 9.0% of mass 174	4319	3.9	(7.1) [a]	Pass
176	93.0 - 101.0% of mass 174	57807	52.0	(95.6) [a]	Pass
177	5.0 - 9.0% of mass 176	3785	3.4	(6.5) [b]	Pass

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

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSQ186-CC185	Q3396.D	05/16/07	12:25	00:00	Continuing cal 10
MSQ186-BS	Q3396A.D	05/16/07	12:25	00:00	Blank Spike
MSQ186-SCC	Q3398A.D	05/16/07	14:30	02:05	Summa Cleaning Certification
MSQ186-MB	Q3398.D	05/16/07	14:30	02:05	Method Blank
ZZZZZZ	Q3399.D	05/16/07	15:51	03:26	(unrelated sample)
MSQ186-SCC	Q3400.D	05/16/07	16:34	04:09	Summa Cleaning Certification
MSQ186-SCC	Q3401.D	05/16/07	17:27	05:02	Summa Cleaning Certification
M64698-2RDUP	Q3402.D	05/16/07	18:08	05:43	Duplicate
M64698-2R	Q3403.D	05/16/07	18:50	06:25	(used for QC only; not part of job M64940)
ZZZZZZ	Q3404.D	05/16/07	19:31	07:06	(unrelated sample)
ZZZZZZ	Q3406.D	05/16/07	20:55	08:30	(unrelated sample)
MSQ186-SCC	Q3408.D	05/16/07	22:19	09:54	Summa Cleaning Certification
MSQ186-SCC	Q3409.D	05/16/07	23:02	10:37	Summa Cleaning Certification
MSQ186-SCC	Q3410.D	05/16/07	23:44	11:19	Summa Cleaning Certification
MSQ186-SCC	Q3411.D	05/17/07	00:26	12:01	Summa Cleaning Certification

Instrument Performance Check (BFB)

Job Number: M64940
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample: MSQ188-BFB
Lab File ID: Q3453.D
Instrument ID: GCMSQ
Injection Date: 05/18/07
Injection Time: 16:25

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	38392	35.0		Pass
75	30.0 - 66.0% of mass 95	64080	58.4		Pass
95	Base peak, 100% relative abundance	109740	100.0		Pass
96	5.0 - 9.0% of mass 95	7176	6.5		Pass
173	Less than 2.0% of mass 174	813	0.74	(1.5) [a]	Pass
174	50.0 - 120.0% of mass 95	54988	50.1		Pass
175	4.0 - 9.0% of mass 174	3801	3.5	(6.9) [a]	Pass
176	93.0 - 101.0% of mass 174	51940	47.3	(94.5) [a]	Pass
177	5.0 - 9.0% of mass 176	2774	2.5	(5.3) [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
MSQ188-CC185	Q3453.D	05/18/07	16:25	00:00	Continuing cal 10
MSQ188-BS	Q3453A.D	05/18/07	16:25	00:00	Blank Spike
MSQ188-MB	Q3455.D	05/18/07	18:11	01:46	Method Blank
M64901-1	Q3456.D	05/18/07	18:51	02:26	(used for QC only; not part of job M64940)
M64901-1DUP	Q3457.D	05/18/07	19:32	03:07	Duplicate
ZZZZZZ	Q3458.D	05/18/07	20:13	03:48	(unrelated sample)
ZZZZZZ	Q3459.D	05/18/07	20:53	04:28	(unrelated sample)
ZZZZZZ	Q3460.D	05/18/07	21:33	05:08	(unrelated sample)
ZZZZZZ	Q3461.D	05/18/07	22:14	05:49	(unrelated sample)
ZZZZZZ	Q3463.D	05/18/07	23:33	07:08	(unrelated sample)
M64940-8	Q3464.D	05/19/07	00:14	07:49	045162-TRIP BLANK
M64940-1	Q3465.D	05/19/07	00:54	08:29	045162-150 GLEN-ROOF
M64940-2	Q3466.D	05/19/07	01:36	09:11	045162-150 GLEN-RM 126
M64940-3	Q3467.D	05/19/07	02:17	09:52	045162-150 GLEN-RM 138
M64940-4	Q3468.D	05/19/07	02:58	10:33	045162-150 GLEN-RM 139
M64940-5	Q3469.D	05/19/07	03:38	11:13	045162-150 GLEN-RM 141
M64940-6	Q3470.D	05/19/07	04:19	11:54	045162-150 GLEN-RM 142

Instrument Performance Check (BFB)

Job Number: M64940
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample: MSQ189-BFB
Lab File ID: Q3474.D
Instrument ID: GCMSQ
Injection Date: 05/21/07
Injection Time: 17:28

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	22954	27.2		Pass
75	30.0 - 66.0% of mass 95	51517	61.1		Pass
95	Base peak, 100% relative abundance	84362	100.0		Pass
96	5.0 - 9.0% of mass 95	6194	7.3		Pass
173	Less than 2.0% of mass 174	333	0.39	(0.53) [a]	Pass
174	50.0 - 120.0% of mass 95	63384	75.1		Pass
175	4.0 - 9.0% of mass 174	4070	4.8	(6.4) [a]	Pass
176	93.0 - 101.0% of mass 174	61098	72.4	(96.4) [a]	Pass
177	5.0 - 9.0% of mass 176	4693	5.6	(7.7) [b]	Pass

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

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSQ189-IC189	Q3474.D	05/21/07	17:28	00:00	Initial cal 40
MSQ189-IC189	Q3475.D	05/21/07	18:09	00:41	Initial cal 20
MSQ189-ICC189	Q3476.D	05/21/07	18:52	01:24	Initial cal 10
MSQ189-IC189	Q3477.D	05/21/07	19:34	02:06	Initial cal 5
MSQ189-IC189	Q3478.D	05/21/07	20:17	02:49	Initial cal 2
MSQ189-IC189	Q3479.D	05/21/07	21:00	03:32	Initial cal .5
MSQ189-IC189	Q3480.D	05/21/07	21:43	04:15	Initial cal .2
MSQ189-ICV189	Q3482.D	05/22/07	09:55	16:27	Initial cal verification 10
MSQ189-SCC	Q3483.D	05/22/07	11:26	17:58	Summa Cleaning Certification
MSQ189-SCC	Q3484.D	05/22/07	12:07	18:39	Summa Cleaning Certification
MSQ189-SCC	Q3485.D	05/22/07	12:50	19:22	Summa Cleaning Certification
MSQ189-SCC	Q3486.D	05/22/07	14:26	20:58	Summa Cleaning Certification
MSQ189-SCC	Q3487.D	05/22/07	15:08	21:40	Summa Cleaning Certification
MSQ189-SCC	Q3489.D	05/22/07	16:34	23:06	Summa Cleaning Certification

Instrument Performance Check (BFB)

Job Number: M64940
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample: MSQ190-BFB
Lab File ID: Q3491.D
Instrument ID: GCMSQ
Injection Date: 05/22/07
Injection Time: 18:00

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	21414	27.4		Pass
75	30.0 - 66.0% of mass 95	46502	59.5		Pass
95	Base peak, 100% relative abundance	78124	100.0		Pass
96	5.0 - 9.0% of mass 95	4471	5.7		Pass
173	Less than 2.0% of mass 174	659	0.84	(1.2) [a]	Pass
174	50.0 - 120.0% of mass 95	55470	71.0		Pass
175	4.0 - 9.0% of mass 174	3973	5.1	(7.2) [a]	Pass
176	93.0 - 101.0% of mass 174	55192	70.6	(99.5) [a]	Pass
177	5.0 - 9.0% of mass 176	3057	3.9	(5.5) [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
MSQ190-CC189	Q3491.D	05/22/07	18:00	00:00	Continuing cal 10
MSQ190-BS	Q3491A.D	05/22/07	18:00	00:00	Blank Spike
MSQ190-MB	Q3492.D	05/22/07	18:42	00:42	Method Blank
MSQ190-SCC	Q3492A.D	05/22/07	18:42	00:42	Summa Cleaning Certification
MSQ190-SCC	Q3493.D	05/22/07	19:24	01:24	Summa Cleaning Certification
MSQ190-SCC	Q3494.D	05/22/07	20:07	02:07	Summa Cleaning Certification
MSQ190-SCC	Q3495.D	05/22/07	20:49	02:49	Summa Cleaning Certification
MSQ190-SCC	Q3496.D	05/22/07	21:31	03:31	Summa Cleaning Certification
MSQ190-SCC	Q3497.D	05/22/07	22:14	04:14	Summa Cleaning Certification
MSQ190-SCC	Q3498.D	05/22/07	22:56	04:56	Summa Cleaning Certification
M64940-7	Q3499.D	05/23/07	09:56	15:56	045162-150 GLEN-RM 146
M64940-7DUP	Q3500.D	05/23/07	10:40	16:40	Duplicate

Volatile Internal Standard Area Summary

Job Number: M64940
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
ZZZZZZ	324386	8.62	1278751	10.44	1154526	14.67
ZZZZZZ	360411	8.63	1575885	10.44	1464843	14.67
ZZZZZZ	360289	8.63	1585644	10.44	1451145	14.67
ZZZZZZ	359468	8.63	1543639	10.44	1451566	14.67
ZZZZZZ	325028	8.63	1275471	10.44	1142976	14.67
ZZZZZZ	331076	8.63	1323350	10.44	1176187	14.67
ZZZZZZ	364804	8.62	1515015	10.44	1419146	14.67
ZZZZZZ	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: M64940
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Check Std:	MSQ186-CC185	**Injection Date:**	05/16/07
Lab File ID:	Q3396.D	**Injection Time:**	12:25
Instrument ID:	GCMSQ	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	101478	8.42	511481	10.34	468169	14.70
Upper Limit [a]	142069	8.75	716073	10.67	655437	15.03
Lower Limit [b]	60887	8.09	306889	10.01	280901	14.37

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
MSQ186-BS	101478	8.42	511481	10.34	468169	14.70
MSQ186-MB	101065	8.42	477882	10.35	421159	14.70
MSQ186-SCC	101065	8.42	477882	10.35	421159	14.70
ZZZZZZ	105098	8.42	516529	10.34	448029	14.69
MSQ186-SCC	99953	8.42	478339	10.34	421080	14.69
MSQ186-SCC	92273	8.42	434610	10.34	386373	14.69
M64698-2RDUP	91004	8.37	423732	10.32	437968	14.69
M64698-2R	96143	8.42	458477	10.34	423041	14.70
ZZZZZZ	98090	8.43	465093	10.35	453928	14.70
ZZZZZZ	137242	8.44	400072	10.36	340768	14.70
MSQ186-SCC	76512	8.42	349044	10.34	312492	14.69
MSQ186-SCC	72745	8.42	334257	10.34	302397	14.70
MSQ186-SCC	71588	8.42	325474	10.35	294142	14.70
MSQ186-SCC	69086	8.42	313895	10.34	284001	14.70

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

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

Volatile Internal Standard Area Summary

Job Number: M64940
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Check Std:	MSQ188-CC185	**Injection Date:**	05/18/07
Lab File ID:	Q3453.D	**Injection Time:**	16:25
Instrument ID:	GCMSQ	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	116026	8.43	549054	10.35	452086	14.70
Upper Limit [a]	162436	8.76	768676	10.68	632920	15.03
Lower Limit [b]	69616	8.10	329432	10.02	271252	14.37

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
MSQ188-BS	116026	8.43	549054	10.35	452086	14.70
MSQ188-MB	96562	8.43	410447	10.35	355669	14.69
M64901-1	100430	8.43	431971	10.35	386293	14.70
M64901-1DUP	96578	8.44	437747	10.35	391350	14.70
ZZZZZZ	94928	8.43	432070	10.35	382569	14.69
ZZZZZZ	85780	8.45	390350	10.36	376427	14.70
ZZZZZZ	79885	8.45	358659	10.36	334989	14.70
ZZZZZZ	88792	8.42	433599	10.35	379247	14.70
ZZZZZZ	90042	8.43	469809	10.35	364901	14.70
M64940-8	83953	8.42	369438	10.34	321453	14.69
M64940-1	78431	8.44	358188	10.35	298888	14.70
M64940-2	75312	8.44	343233	10.35	303883	14.70
M64940-3	77114	8.43	339656	10.35	287108	14.70
M64940-4	76161	8.43	330002	10.35	286014	14.69
M64940-5	74297	8.44	331260	10.36	289645	14.70
M64940-6	73348	8.44	329630	10.35	310112	14.70

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

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

Volatile Internal Standard Area Summary

Job Number: M64940
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Check Std:	MSQ190-CC189	**Injection Date:**	05/22/07
Lab File ID:	Q3491.D	**Injection Time:**	18:00
Instrument ID:	GCMSQ	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	94194	8.43	448405	10.35	370957	14.70
Upper Limit [a]	131872	8.76	627767	10.68	519340	15.03
Lower Limit [b]	56516	8.10	269043	10.02	222574	14.37

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
MSQ190-BS	94194	8.43	448405	10.35	370957	14.70
MSQ190-MB	86791	8.43	366940	10.35	314711	14.69
MSQ190-SCC	86791	8.43	366940	10.35	314711	14.69
MSQ190-SCC	86299	8.43	368059	10.35	318647	14.70
MSQ190-SCC	85986	8.43	359491	10.35	309508	14.70
MSQ190-SCC	82038	8.43	347525	10.35	294330	14.70
MSQ190-SCC	77186	8.42	322980	10.35	277567	14.70
MSQ190-SCC	78336	8.43	322496	10.35	273311	14.69
MSQ190-SCC	75736	8.43	312380	10.35	268456	14.70
M64940-7	74236	8.43	322136	10.35	293490	14.69
M64940-7DUP	70264	8.44	312983	10.35	280624	14.70

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

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

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64940
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: M64940
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: M64940
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: M64940
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: M64940
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: M64940
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: M64940
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: M64940
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: M64940
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: M64940
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: M64940
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: M64940
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: M64940
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: M64940
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: M64940
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	
MSQ185-IC185	Q3387.D	05/15/07 17:12	PB	2	GCMSQ	TO-15	Reporting this level
MSQ185-IC185	Q3389.D	05/15/07 18:37	PB	.2	GCMSQ	TO-15	
MSQ185-IC185	Q3390.D	05/15/07 19:16	PB	40	GCMSQ	TO-15	
MSQ185-IC185	Q3391.D	05/15/07 19:56	PB	5	GCMSQ	TO-15	
MSQ185-IC185	Q3392.D	05/16/07 08:18	PB	20	GCMSQ	TO-15	
MSQ185-ICC185	Q3393.D	05/16/07 09:18	PB	10	GCMSQ	TO-15	
MSQ185-IC185	Q3394.D	05/16/07 10:02	PB	.5	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.19	8.42	0.616	ok	0.616	0.556-0.676
1,3-Butadiene	4.12	8.42	0.489	ok	0.489	0.429-0.549
Benzene	10.01	10.34	0.968	ok	0.968	0.908-1.028
Bromodichloromethane	11.01	10.34	1.065	ok	1.065	1.005-1.125
Bromoform	15.42	14.69	1.050	ok	1.049	0.989-1.109
Bromomethane	4.40	8.42	0.523	ok	0.522	0.462-0.582
Bromoethene	4.94	8.42	0.587	ok	0.586	0.526-0.646
Benzyl Chloride	17.93	14.69	1.221	ok	1.220	1.160-1.280
Carbon disulfide	6.53	8.42	0.776	ok	0.774	0.714-0.834
Chlorobenzene	14.74	14.69	1.003	ok	1.003	0.943-1.063
Chloroethane	4.57	8.42	0.543	ok	0.542	0.482-0.602
Chloroform	8.55	8.42	1.015	ok	1.015	0.955-1.075
Chloromethane	3.76	8.42	0.447	ok	0.446	0.386-0.506
3-Chloropropene	6.32	8.42	0.751	ok	0.750	0.690-0.810
2-Chlorotoluene	17.03	14.69	1.159	ok	1.159	1.099-1.219
Carbon tetrachloride	10.16	8.42	1.207	ok	1.206	1.146-1.266
Cyclohexane	10.28	10.34	0.994	ok	0.994	0.934-1.054
1,1-Dichloroethane	7.39	8.42	0.878	ok	0.878	0.818-0.938
1,1-Dichloroethylene	6.07	8.42	0.721	ok	0.720	0.660-0.780
1,2-Dibromoethane	13.57	14.69	0.924	ok	0.923	0.863-0.983
1,2-Dichloroethane	9.30	8.42	1.105	ok	1.104	1.044-1.164
1,2-Dichloropropane	10.82	10.34	1.046	ok	1.046	0.986-1.106
1,4-Dioxane	11.04	10.34	1.068	ok	1.068	1.008-1.128
Dichlorodifluoromethane	3.59	8.42	0.426	ok	0.426	0.366-0.486
Dibromochloromethane	13.31	14.69	0.906	ok	0.906	0.846-0.966
trans-1,2-Dichloroethylene	7.18	8.42	0.853	ok	0.853	0.793-0.913
cis-1,2-Dichloroethylene	8.25	8.42	0.980	ok	0.979	0.919-1.039
cis-1,3-Dichloropropene	11.90	10.34	1.151	ok	1.151	1.091-1.211
m-Dichlorobenzene	17.95	14.69	1.222	ok	1.222	1.162-1.282
o-Dichlorobenzene	18.42	14.69	1.254	ok	1.253	1.193-1.313
p-Dichlorobenzene	18.03	14.69	1.227	ok	1.227	1.167-1.287
trans-1,3-Dichloropropene	12.41	10.34	1.200	ok	1.200	1.140-1.260
Ethanol	4.67	8.42	0.555	ok	0.555	0.495-0.615
Ethylbenzene	15.13	14.69	1.030	ok	1.029	0.969-1.089
Ethyl Acetate	8.46	8.42	1.005	ok	1.005	0.945-1.065
4-Ethyltoluene	17.22	14.69	1.172	ok	1.172	1.112-1.232
Freon 113	6.47	8.42	0.768	ok	0.768	0.708-0.828
Freon 114	3.86	8.42	0.458	ok	0.458	0.398-0.518
Heptane	11.32	10.34	1.095	ok	1.095	1.035-1.155
Hexachlorobutadiene	20.81	14.69	1.417	ok	1.416	1.356-1.476
Hexane	8.46	8.42	1.005	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64940
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	
MSQ185-IC185	Q3387.D	05/15/07 17:12	PB	2	GCMSQ	TO-15	Reporting this level
MSQ185-IC185	Q3389.D	05/15/07 18:37	PB	.2	GCMSQ	TO-15	
MSQ185-IC185	Q3390.D	05/15/07 19:16	PB	40	GCMSQ	TO-15	
MSQ185-IC185	Q3391.D	05/15/07 19:56	PB	5	GCMSQ	TO-15	
MSQ185-IC185	Q3392.D	05/16/07 08:18	PB	20	GCMSQ	TO-15	
MSQ185-ICC185	Q3393.D	05/16/07 09:18	PB	10	GCMSQ	TO-15	
MSQ185-IC185	Q3394.D	05/16/07 10:02	PB	.5	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.11	14.69	0.892	ok	0.892	0.832-0.952
Isopropylbenzene	16.48	14.69	1.122	ok	1.121	1.061-1.181
Isopropyl Alcohol	5.44	8.42	0.646	ok	0.646	0.586-0.706
Methylene chloride	6.19	8.42	0.735	ok	0.735	0.675-0.795
Methyl ethyl ketone	7.79	8.42	0.925	ok	0.925	0.865-0.985
Methyl Isobutyl Ketone	11.91	10.34	1.152	ok	1.152	1.092-1.212
Methyl Tert Butyl Ether	7.44	8.42	0.884	ok	0.884	0.824-0.944
Nonane	16.03	14.69	1.091	ok	1.091	1.031-1.151
Pentane	5.77	8.42	0.685	ok	0.685	0.625-0.745
Propylene	3.52	8.42	0.418	ok	0.418	0.358-0.478
Styrene	15.71	14.69	1.069	ok	1.069	1.009-1.129
1,1,1-Trichloroethane	9.55	8.42	1.134	ok	1.134	1.074-1.194
1,1,2,2-Tetrachloroethane	15.82	14.69	1.077	ok	1.076	1.016-1.136
1,1,2-Trichloroethane	12.60	10.34	1.219	ok	1.218	1.158-1.278
1,2,4-Trichlorobenzene	20.32	14.69	1.383	ok	1.383	1.323-1.443
1,2,4-Trimethylbenzene	17.77	14.69	1.210	ok	1.209	1.149-1.269
1,3,5-Trimethylbenzene	17.30	14.69	1.178	ok	1.178	1.118-1.238
2,2,4-Trimethylpentane	11.07	10.34	1.071	ok	1.071	1.011-1.131
Tertiary Butyl Alcohol	6.09	8.42	0.723	ok	0.723	0.663-0.783
Tetrachloroethylene	14.04	14.69	0.956	ok	0.955	0.895-1.015
Tetrahydrofuran	8.96	8.42	1.064	ok	1.064	1.004-1.124
Toluene	12.88	10.34	1.246	ok	1.246	1.186-1.306
Trichloroethylene	11.05	10.34	1.069	ok	1.069	1.009-1.129
Trichlorofluoromethane	5.39	8.42	0.640	ok	0.640	0.580-0.700
Vinyl chloride	3.98	8.42	0.473	ok	0.473	0.413-0.533
Vinyl Acetate	7.53	8.42	0.894	ok	0.894	0.834-0.954
m,p-Xylene	15.32	14.69	1.043	ok	1.043	0.983-1.103
o-Xylene	15.83	14.69	1.078	ok	1.077	1.017-1.137

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.42	ok	8.42	8.09-8.75	122843	ok	105507	63304-147710
1,4-Difluorobenzene	10.34	ok	10.34	10.01-10.67	613891	ok	486071	291643-680499
Chlorobenzene-D5	14.69	ok	14.70	14.37-15.03	545288	ok	429291	257575-601007

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64940
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	
MSQ185-IC185	Q3387.D	05/15/07 17:12	PB	2	GCMSQ	TO-15	
MSQ185-IC185	Q3389.D	05/15/07 18:37	PB	.2	GCMSQ	TO-15	Reporting this level
MSQ185-IC185	Q3390.D	05/15/07 19:16	PB	40	GCMSQ	TO-15	
MSQ185-IC185	Q3391.D	05/15/07 19:56	PB	5	GCMSQ	TO-15	
MSQ185-IC185	Q3392.D	05/16/07 08:18	PB	20	GCMSQ	TO-15	
MSQ185-ICC185	Q3393.D	05/16/07 09:18	PB	10	GCMSQ	TO-15	
MSQ185-IC185	Q3394.D	05/16/07 10:02	PB	.5	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.19	8.42	0.616	ok	0.616	0.556-0.676
1,3-Butadiene	4.12	8.42	0.489	ok	0.489	0.429-0.549
Benzene	10.01	10.34	0.968	ok	0.968	0.908-1.028
Bromodichloromethane	11.01	10.34	1.065	ok	1.065	1.005-1.125
Bromoform	15.43	14.69	1.050	ok	1.049	0.989-1.109
Bromomethane	4.40	8.42	0.523	ok	0.522	0.462-0.582
Bromoethene	4.93	8.42	0.586	ok	0.586	0.526-0.646
Benzyl Chloride	17.93	14.69	1.221	ok	1.220	1.160-1.280
Carbon disulfide	6.52	8.42	0.774	ok	0.774	0.714-0.834
Chlorobenzene	14.74	14.69	1.003	ok	1.003	0.943-1.063
Chloroethane	4.57	8.42	0.543	ok	0.542	0.482-0.602
Chloroform	8.54	8.42	1.014	ok	1.015	0.955-1.075
Chloromethane	3.76	8.42	0.447	ok	0.446	0.386-0.506
3-Chloropropene	6.31	8.42	0.749	ok	0.750	0.690-0.810
2-Chlorotoluene	17.03	14.69	1.159	ok	1.159	1.099-1.219
Carbon tetrachloride	10.15	8.42	1.205	ok	1.206	1.146-1.266
Cyclohexane	10.27	10.34	0.993	ok	0.994	0.934-1.054
1,1-Dichloroethane	7.40	8.42	0.879	ok	0.878	0.818-0.938
1,1-Dichloroethylene	6.07	8.42	0.721	ok	0.720	0.660-0.780
1,2-Dibromoethane	13.57	14.69	0.924	ok	0.923	0.863-0.983
1,2-Dichloroethane	9.30	8.42	1.105	ok	1.104	1.044-1.164
1,2-Dichloropropane	10.81	10.34	1.045	ok	1.046	0.986-1.106
1,4-Dioxane	11.06	10.34	1.070	ok	1.068	1.008-1.128
Dichlorodifluoromethane	3.59	8.42	0.426	ok	0.426	0.366-0.486
Dibromochloromethane	13.32	14.69	0.907	ok	0.906	0.846-0.966
trans-1,2-Dichloroethylene	7.18	8.42	0.853	ok	0.853	0.793-0.913
cis-1,2-Dichloroethylene	8.24	8.42	0.979	ok	0.979	0.919-1.039
cis-1,3-Dichloropropene	11.90	10.34	1.151	ok	1.151	1.091-1.211
m-Dichlorobenzene	17.96	14.69	1.223	ok	1.222	1.162-1.282
o-Dichlorobenzene	18.41	14.69	1.253	ok	1.253	1.193-1.313
p-Dichlorobenzene	18.03	14.69	1.227	ok	1.227	1.167-1.287
trans-1,3-Dichloropropene	12.41	10.34	1.200	ok	1.200	1.140-1.260
Ethanol	4.68	8.42	0.556	ok	0.555	0.495-0.615
Ethylbenzene	15.13	14.69	1.030	ok	1.029	0.969-1.089
Ethyl Acetate	8.47	8.42	1.006	ok	1.005	0.945-1.065
4-Ethyltoluene	17.22	14.69	1.172	ok	1.172	1.112-1.232
Freon 113	6.46	8.42	0.767	ok	0.768	0.708-0.828
Freon 114	3.86	8.42	0.458	ok	0.458	0.398-0.518
Heptane	11.32	10.34	1.095	ok	1.095	1.035-1.155
Hexachlorobutadiene	20.81	14.69	1.417	ok	1.416	1.356-1.476
Hexane	8.46	8.42	1.005	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64940
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	
MSQ185-IC185	Q3387.D	05/15/07 17:12	PB	2	GCMSQ	TO-15	
MSQ185-IC185	Q3389.D	05/15/07 18:37	PB	.2	GCMSQ	TO-15	Reporting this level
MSQ185-IC185	Q3390.D	05/15/07 19:16	PB	40	GCMSQ	TO-15	
MSQ185-IC185	Q3391.D	05/15/07 19:56	PB	5	GCMSQ	TO-15	
MSQ185-IC185	Q3392.D	05/16/07 08:18	PB	20	GCMSQ	TO-15	
MSQ185-ICC185	Q3393.D	05/16/07 09:18	PB	10	GCMSQ	TO-15	
MSQ185-IC185	Q3394.D	05/16/07 10:02	PB	.5	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.12	14.69	0.893	ok	0.892	0.832-0.952
Isopropylbenzene	16.48	14.69	1.122	ok	1.121	1.061-1.181
Isopropyl Alcohol	5.45	8.42	0.647	ok	0.646	0.586-0.706
Methylene chloride	6.19	8.42	0.735	ok	0.735	0.675-0.795
Methyl ethyl ketone	7.80	8.42	0.926	ok	0.925	0.865-0.985
Methyl Isobutyl Ketone	11.92	10.34	1.153	ok	1.152	1.092-1.212
Methyl Tert Butyl Ether	7.45	8.42	0.885	ok	0.884	0.824-0.944
Nonane	16.03	14.69	1.091	ok	1.091	1.031-1.151
Pentane	5.77	8.42	0.685	ok	0.685	0.625-0.745
Propylene	3.52	8.42	0.418	ok	0.418	0.358-0.478
Styrene	15.71	14.69	1.069	ok	1.069	1.009-1.129
1,1,1-Trichloroethane	9.55	8.42	1.134	ok	1.134	1.074-1.194
1,1,2,2-Tetrachloroethane	15.82	14.69	1.077	ok	1.076	1.016-1.136
1,1,2-Trichloroethane	12.59	10.34	1.218	ok	1.218	1.158-1.278
1,2,4-Trichlorobenzene	20.32	14.69	1.383	ok	1.383	1.323-1.443
1,2,4-Trimethylbenzene	17.77	14.69	1.210	ok	1.209	1.149-1.269
1,3,5-Trimethylbenzene	17.31	14.69	1.178	ok	1.178	1.118-1.238
2,2,4-Trimethylpentane	11.07	10.34	1.071	ok	1.071	1.011-1.131
Tertiary Butyl Alcohol	6.10	8.42	0.724	ok	0.723	0.663-0.783
Tetrachloroethylene	14.03	14.69	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	8.98	8.42	1.067	ok	1.064	1.004-1.124
Toluene	12.88	10.34	1.246	ok	1.246	1.186-1.306
Trichloroethylene	11.05	10.34	1.069	ok	1.069	1.009-1.129
Trichlorofluoromethane	5.39	8.42	0.640	ok	0.640	0.580-0.700
Vinyl chloride	3.99	8.42	0.474	ok	0.473	0.413-0.533
Vinyl Acetate	7.53	8.42	0.894	ok	0.894	0.834-0.954
m,p-Xylene	15.32	14.69	1.043	ok	1.043	0.983-1.103
o-Xylene	15.82	14.69	1.077	ok	1.077	1.017-1.137

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.42	ok	8.42	8.09-8.75	89822	ok	105507	63304-147710
1,4-Difluorobenzene	10.34	ok	10.34	10.01-10.67	448955	ok	486071	291643-680499
Chlorobenzene-D5	14.69	ok	14.70	14.37-15.03	361598	ok	429291	257575-601007

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64940
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	
MSQ185-IC185	Q3387.D	05/15/07 17:12	PB	2	GCMSQ	TO-15	
MSQ185-IC185	Q3389.D	05/15/07 18:37	PB	.2	GCMSQ	TO-15	
MSQ185-IC185	Q3390.D	05/15/07 19:16	PB	40	GCMSQ	TO-15	Reporting this level
MSQ185-IC185	Q3391.D	05/15/07 19:56	PB	5	GCMSQ	TO-15	
MSQ185-IC185	Q3392.D	05/16/07 08:18	PB	20	GCMSQ	TO-15	
MSQ185-ICC185	Q3393.D	05/16/07 09:18	PB	10	GCMSQ	TO-15	
MSQ185-IC185	Q3394.D	05/16/07 10:02	PB	.5	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.19	8.43	0.616	ok	0.616	0.556-0.676
1,3-Butadiene	4.12	8.43	0.489	ok	0.489	0.429-0.549
Benzene	10.02	10.35	0.968	ok	0.968	0.908-1.028
Bromodichloromethane	11.02	10.35	1.065	ok	1.065	1.005-1.125
Bromoform	15.43	14.70	1.050	ok	1.049	0.989-1.109
Bromomethane	4.40	8.43	0.522	ok	0.522	0.462-0.582
Bromoethene	4.95	8.43	0.587	ok	0.586	0.526-0.646
Benzyl Chloride	17.94	14.70	1.220	ok	1.220	1.160-1.280
Carbon disulfide	6.53	8.43	0.775	ok	0.774	0.714-0.834
Chlorobenzene	14.75	14.70	1.003	ok	1.003	0.943-1.063
Chloroethane	4.57	8.43	0.542	ok	0.542	0.482-0.602
Chloroform	8.56	8.43	1.015	ok	1.015	0.955-1.075
Chloromethane	3.76	8.43	0.446	ok	0.446	0.386-0.506
3-Chloropropene	6.33	8.43	0.751	ok	0.750	0.690-0.810
2-Chlorotoluene	17.04	14.70	1.159	ok	1.159	1.099-1.219
Carbon tetrachloride	10.16	8.43	1.205	ok	1.206	1.146-1.266
Cyclohexane	10.29	10.35	0.994	ok	0.994	0.934-1.054
1,1-Dichloroethane	7.40	8.43	0.878	ok	0.878	0.818-0.938
1,1-Dichloroethylene	6.07	8.43	0.720	ok	0.720	0.660-0.780
1,2-Dibromoethane	13.58	14.70	0.924	ok	0.923	0.863-0.983
1,2-Dichloroethane	9.30	8.43	1.103	ok	1.104	1.044-1.164
1,2-Dichloropropane	10.83	10.35	1.046	ok	1.046	0.986-1.106
1,4-Dioxane	11.05	10.35	1.068	ok	1.068	1.008-1.128
Dichlorodifluoromethane	3.59	8.43	0.426	ok	0.426	0.366-0.486
Dibromochloromethane	13.32	14.70	0.906	ok	0.906	0.846-0.966
trans-1,2-Dichloroethylene	7.19	8.43	0.853	ok	0.853	0.793-0.913
cis-1,2-Dichloroethylene	8.26	8.43	0.980	ok	0.979	0.919-1.039
cis-1,3-Dichloropropene	11.90	10.35	1.150	ok	1.151	1.091-1.211
m-Dichlorobenzene	17.96	14.70	1.222	ok	1.222	1.162-1.282
o-Dichlorobenzene	18.42	14.70	1.253	ok	1.253	1.193-1.313
p-Dichlorobenzene	18.04	14.70	1.227	ok	1.227	1.167-1.287
trans-1,3-Dichloropropene	12.42	10.35	1.200	ok	1.200	1.140-1.260
Ethanol	4.68	8.43	0.555	ok	0.555	0.495-0.615
Ethylbenzene	15.13	14.70	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.47	8.43	1.005	ok	1.005	0.945-1.065
4-Ethyltoluene	17.23	14.70	1.172	ok	1.172	1.112-1.232
Freon 113	6.48	8.43	0.769	ok	0.768	0.708-0.828
Freon 114	3.86	8.43	0.458	ok	0.458	0.398-0.518
Heptane	11.33	10.35	1.095	ok	1.095	1.035-1.155
Hexachlorobutadiene	20.81	14.70	1.416	ok	1.416	1.356-1.476
Hexane	8.46	8.43	1.004	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64940
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	
MSQ185-IC185	Q3387.D	05/15/07 17:12	PB	2	GCMSQ	TO-15	
MSQ185-IC185	Q3389.D	05/15/07 18:37	PB	.2	GCMSQ	TO-15	
MSQ185-IC185	Q3390.D	05/15/07 19:16	PB	40	GCMSQ	TO-15	Reporting this level
MSQ185-IC185	Q3391.D	05/15/07 19:56	PB	5	GCMSQ	TO-15	
MSQ185-IC185	Q3392.D	05/16/07 08:18	PB	20	GCMSQ	TO-15	
MSQ185-ICC185	Q3393.D	05/16/07 09:18	PB	10	GCMSQ	TO-15	
MSQ185-IC185	Q3394.D	05/16/07 10:02	PB	.5	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.12	14.70	0.893	ok	0.892	0.832-0.952
Isopropylbenzene	16.49	14.70	1.122	ok	1.121	1.061-1.181
Isopropyl Alcohol	5.45	8.43	0.647	ok	0.646	0.586-0.706
Methylene chloride	6.20	8.43	0.735	ok	0.735	0.675-0.795
Methyl ethyl ketone	7.80	8.43	0.925	ok	0.925	0.865-0.985
Methyl Isobutyl Ketone	11.92	10.35	1.152	ok	1.152	1.092-1.212
Methyl Tert Butyl Ether	7.45	8.43	0.884	ok	0.884	0.824-0.944
Nonane	16.04	14.70	1.091	ok	1.091	1.031-1.151
Pentane	5.77	8.43	0.684	ok	0.685	0.625-0.745
Propylene	3.52	8.43	0.418	ok	0.418	0.358-0.478
Styrene	15.71	14.70	1.069	ok	1.069	1.009-1.129
1,1,1-Trichloroethane	9.55	8.43	1.133	ok	1.134	1.074-1.194
1,1,2,2-Tetrachloroethane	15.83	14.70	1.077	ok	1.076	1.016-1.136
1,1,2-Trichloroethane	12.61	10.35	1.218	ok	1.218	1.158-1.278
1,2,4-Trichlorobenzene	20.32	14.70	1.382	ok	1.383	1.323-1.443
1,2,4-Trimethylbenzene	17.78	14.70	1.210	ok	1.209	1.149-1.269
1,3,5-Trimethylbenzene	17.31	14.70	1.178	ok	1.178	1.118-1.238
2,2,4-Trimethylpentane	11.08	10.35	1.071	ok	1.071	1.011-1.131
Tertiary Butyl Alcohol	6.10	8.43	0.724	ok	0.723	0.663-0.783
Tetrachloroethylene	14.04	14.70	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	8.96	8.43	1.063	ok	1.064	1.004-1.124
Toluene	12.89	10.35	1.245	ok	1.246	1.186-1.306
Trichloroethylene	11.06	10.35	1.069	ok	1.069	1.009-1.129
Trichlorofluoromethane	5.39	8.43	0.639	ok	0.640	0.580-0.700
Vinyl chloride	3.98	8.43	0.472	ok	0.473	0.413-0.533
Vinyl Acetate	7.54	8.43	0.894	ok	0.894	0.834-0.954
m,p-Xylene	15.33	14.70	1.043	ok	1.043	0.983-1.103
o-Xylene	15.83	14.70	1.077	ok	1.077	1.017-1.137

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.43	ok	8.42	8.09-8.75	94425	ok	105507	63304-147710
1,4-Difluorobenzene	10.35	ok	10.34	10.01-10.67	443847	ok	486071	291643-680499
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	420269	ok	429291	257575-601007

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64940
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	
MSQ185-IC185	Q3387.D	05/15/07 17:12	PB	2	GCMSQ	TO-15	
MSQ185-IC185	Q3389.D	05/15/07 18:37	PB	.2	GCMSQ	TO-15	
MSQ185-IC185	Q3390.D	05/15/07 19:16	PB	40	GCMSQ	TO-15	
MSQ185-IC185	Q3391.D	05/15/07 19:56	PB	5	GCMSQ	TO-15	Reporting this level
MSQ185-IC185	Q3392.D	05/16/07 08:18	PB	20	GCMSQ	TO-15	
MSQ185-ICC185	Q3393.D	05/16/07 09:18	PB	10	GCMSQ	TO-15	
MSQ185-IC185	Q3394.D	05/16/07 10:02	PB	.5	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.19	8.42	0.616	ok	0.616	0.556-0.676
1,3-Butadiene	4.12	8.42	0.489	ok	0.489	0.429-0.549
Benzene	10.01	10.34	0.968	ok	0.968	0.908-1.028
Bromodichloromethane	11.01	10.34	1.065	ok	1.065	1.005-1.125
Bromoform	15.42	14.70	1.049	ok	1.049	0.989-1.109
Bromomethane	4.40	8.42	0.523	ok	0.522	0.462-0.582
Bromoethene	4.94	8.42	0.587	ok	0.586	0.526-0.646
Benzyl Chloride	17.93	14.70	1.220	ok	1.220	1.160-1.280
Carbon disulfide	6.52	8.42	0.774	ok	0.774	0.714-0.834
Chlorobenzene	14.74	14.70	1.003	ok	1.003	0.943-1.063
Chloroethane	4.57	8.42	0.543	ok	0.542	0.482-0.602
Chloroform	8.55	8.42	1.015	ok	1.015	0.955-1.075
Chloromethane	3.76	8.42	0.447	ok	0.446	0.386-0.506
3-Chloropropene	6.32	8.42	0.751	ok	0.750	0.690-0.810
2-Chlorotoluene	17.03	14.70	1.159	ok	1.159	1.099-1.219
Carbon tetrachloride	10.16	8.42	1.207	ok	1.206	1.146-1.266
Cyclohexane	10.29	10.34	0.995	ok	0.994	0.934-1.054
1,1-Dichloroethane	7.39	8.42	0.878	ok	0.878	0.818-0.938
1,1-Dichloroethylene	6.07	8.42	0.721	ok	0.720	0.660-0.780
1,2-Dibromoethane	13.57	14.70	0.923	ok	0.923	0.863-0.983
1,2-Dichloroethane	9.30	8.42	1.105	ok	1.104	1.044-1.164
1,2-Dichloropropane	10.82	10.34	1.046	ok	1.046	0.986-1.106
1,4-Dioxane	11.04	10.34	1.068	ok	1.068	1.008-1.128
Dichlorodifluoromethane	3.59	8.42	0.426	ok	0.426	0.366-0.486
Dibromochloromethane	13.32	14.70	0.906	ok	0.906	0.846-0.966
trans-1,2-Dichloroethylene	7.18	8.42	0.853	ok	0.853	0.793-0.913
cis-1,2-Dichloroethylene	8.25	8.42	0.980	ok	0.979	0.919-1.039
cis-1,3-Dichloropropene	11.89	10.34	1.150	ok	1.151	1.091-1.211
m-Dichlorobenzene	17.95	14.70	1.221	ok	1.222	1.162-1.282
o-Dichlorobenzene	18.42	14.70	1.253	ok	1.253	1.193-1.313
p-Dichlorobenzene	18.03	14.70	1.227	ok	1.227	1.167-1.287
trans-1,3-Dichloropropene	12.41	10.34	1.200	ok	1.200	1.140-1.260
Ethanol	4.67	8.42	0.555	ok	0.555	0.495-0.615
Ethylbenzene	15.13	14.70	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.46	8.42	1.005	ok	1.005	0.945-1.065
4-Ethyltoluene	17.22	14.70	1.171	ok	1.172	1.112-1.232
Freon 113	6.47	8.42	0.768	ok	0.768	0.708-0.828
Freon 114	3.86	8.42	0.458	ok	0.458	0.398-0.518
Heptane	11.33	10.34	1.096	ok	1.095	1.035-1.155
Hexachlorobutadiene	20.81	14.70	1.416	ok	1.416	1.356-1.476
Hexane	8.46	8.42	1.005	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64940
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	
MSQ185-IC185	Q3387.D	05/15/07 17:12	PB	2	GCMSQ	TO-15	
MSQ185-IC185	Q3389.D	05/15/07 18:37	PB	.2	GCMSQ	TO-15	
MSQ185-IC185	Q3390.D	05/15/07 19:16	PB	40	GCMSQ	TO-15	
MSQ185-IC185	Q3391.D	05/15/07 19:56	PB	5	GCMSQ	TO-15	Reporting this level
MSQ185-IC185	Q3392.D	05/16/07 08:18	PB	20	GCMSQ	TO-15	
MSQ185-ICC185	Q3393.D	05/16/07 09:18	PB	10	GCMSQ	TO-15	
MSQ185-IC185	Q3394.D	05/16/07 10:02	PB	.5	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.11	14.70	0.892	ok	0.892	0.832-0.952
Isopropylbenzene	16.48	14.70	1.121	ok	1.121	1.061-1.181
Isopropyl Alcohol	5.44	8.42	0.646	ok	0.646	0.586-0.706
Methylene chloride	6.19	8.42	0.735	ok	0.735	0.675-0.795
Methyl ethyl ketone	7.79	8.42	0.925	ok	0.925	0.865-0.985
Methyl Isobutyl Ketone	11.92	10.34	1.153	ok	1.152	1.092-1.212
Methyl Tert Butyl Ether	7.44	8.42	0.884	ok	0.884	0.824-0.944
Nonane	16.03	14.70	1.090	ok	1.091	1.031-1.151
Pentane	5.76	8.42	0.684	ok	0.685	0.625-0.745
Propylene	3.52	8.42	0.418	ok	0.418	0.358-0.478
Styrene	15.71	14.70	1.069	ok	1.069	1.009-1.129
1,1,1-Trichloroethane	9.55	8.42	1.134	ok	1.134	1.074-1.194
1,1,2,2-Tetrachloroethane	15.82	14.70	1.076	ok	1.076	1.016-1.136
1,1,2-Trichloroethane	12.60	10.34	1.219	ok	1.218	1.158-1.278
1,2,4-Trichlorobenzene	20.32	14.70	1.382	ok	1.383	1.323-1.443
1,2,4-Trimethylbenzene	17.77	14.70	1.209	ok	1.209	1.149-1.269
1,3,5-Trimethylbenzene	17.31	14.70	1.178	ok	1.178	1.118-1.238
2,2,4-Trimethylpentane	11.07	10.34	1.071	ok	1.071	1.011-1.131
Tertiary Butyl Alcohol	6.09	8.42	0.723	ok	0.723	0.663-0.783
Tetrachloroethylene	14.04	14.70	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	8.96	8.42	1.064	ok	1.064	1.004-1.124
Toluene	12.88	10.34	1.246	ok	1.246	1.186-1.306
Trichloroethylene	11.05	10.34	1.069	ok	1.069	1.009-1.129
Trichlorofluoromethane	5.39	8.42	0.640	ok	0.640	0.580-0.700
Vinyl chloride	3.98	8.42	0.473	ok	0.473	0.413-0.533
Vinyl Acetate	7.53	8.42	0.894	ok	0.894	0.834-0.954
m,p-Xylene	15.32	14.70	1.042	ok	1.043	0.983-1.103
o-Xylene	15.83	14.70	1.077	ok	1.077	1.017-1.137

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.42	ok	8.42	8.09-8.75	105565	ok	105507	63304-147710
1,4-Difluorobenzene	10.34	ok	10.34	10.01-10.67	443500	ok	486071	291643-680499
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	403673	ok	429291	257575-601007

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64940
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	
MSQ185-IC185	Q3387.D	05/15/07 17:12	PB	2	GCMSQ	TO-15	
MSQ185-IC185	Q3389.D	05/15/07 18:37	PB	.2	GCMSQ	TO-15	
MSQ185-IC185	Q3390.D	05/15/07 19:16	PB	40	GCMSQ	TO-15	
MSQ185-IC185	Q3391.D	05/15/07 19:56	PB	5	GCMSQ	TO-15	
MSQ185-IC185	Q3392.D	05/16/07 08:18	PB	20	GCMSQ	TO-15	Reporting this level
MSQ185-ICC185	Q3393.D	05/16/07 09:18	PB	10	GCMSQ	TO-15	
MSQ185-IC185	Q3394.D	05/16/07 10:02	PB	.5	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.17	8.42	0.614	ok	0.616	0.556-0.676
1,3-Butadiene	4.10	8.42	0.487	ok	0.489	0.429-0.549
Benzene	10.01	10.34	0.968	ok	0.968	0.908-1.028
Bromodichloromethane	11.01	10.34	1.065	ok	1.065	1.005-1.125
Bromoform	15.43	14.70	1.050	ok	1.049	0.989-1.109
Bromomethane	4.38	8.42	0.520	ok	0.522	0.462-0.582
Bromoethene	4.93	8.42	0.586	ok	0.586	0.526-0.646
Benzyl Chloride	17.93	14.70	1.220	ok	1.220	1.160-1.280
Carbon disulfide	6.51	8.42	0.773	ok	0.774	0.714-0.834
Chlorobenzene	14.74	14.70	1.003	ok	1.003	0.943-1.063
Chloroethane	4.56	8.42	0.542	ok	0.542	0.482-0.602
Chloroform	8.55	8.42	1.015	ok	1.015	0.955-1.075
Chloromethane	3.74	8.42	0.444	ok	0.446	0.386-0.506
3-Chloropropene	6.31	8.42	0.749	ok	0.750	0.690-0.810
2-Chlorotoluene	17.03	14.70	1.159	ok	1.159	1.099-1.219
Carbon tetrachloride	10.15	8.42	1.205	ok	1.206	1.146-1.266
Cyclohexane	10.28	10.34	0.994	ok	0.994	0.934-1.054
1,1-Dichloroethane	7.38	8.42	0.876	ok	0.878	0.818-0.938
1,1-Dichloroethylene	6.06	8.42	0.720	ok	0.720	0.660-0.780
1,2-Dibromoethane	13.57	14.70	0.923	ok	0.923	0.863-0.983
1,2-Dichloroethane	9.29	8.42	1.103	ok	1.104	1.044-1.164
1,2-Dichloropropane	10.82	10.34	1.046	ok	1.046	0.986-1.106
1,4-Dioxane	11.04	10.34	1.068	ok	1.068	1.008-1.128
Dichlorodifluoromethane	3.58	8.42	0.425	ok	0.426	0.366-0.486
Dibromochloromethane	13.32	14.70	0.906	ok	0.906	0.846-0.966
trans-1,2-Dichloroethylene	7.17	8.42	0.852	ok	0.853	0.793-0.913
cis-1,2-Dichloroethylene	8.24	8.42	0.979	ok	0.979	0.919-1.039
cis-1,3-Dichloropropene	11.90	10.34	1.151	ok	1.151	1.091-1.211
m-Dichlorobenzene	17.96	14.70	1.222	ok	1.222	1.162-1.282
o-Dichlorobenzene	18.42	14.70	1.253	ok	1.253	1.193-1.313
p-Dichlorobenzene	18.03	14.70	1.227	ok	1.227	1.167-1.287
trans-1,3-Dichloropropene	12.41	10.34	1.200	ok	1.200	1.140-1.260
Ethanol	4.66	8.42	0.553	ok	0.555	0.495-0.615
Ethylbenzene	15.13	14.70	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.46	8.42	1.005	ok	1.005	0.945-1.065
4-Ethyltoluene	17.22	14.70	1.171	ok	1.172	1.112-1.232
Freon 113	6.45	8.42	0.766	ok	0.768	0.708-0.828
Freon 114	3.84	8.42	0.456	ok	0.458	0.398-0.518
Heptane	11.32	10.34	1.095	ok	1.095	1.035-1.155
Hexachlorobutadiene	20.81	14.70	1.416	ok	1.416	1.356-1.476
Hexane	8.45	8.42	1.004	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64940
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	
MSQ185-IC185	Q3387.D	05/15/07 17:12	PB	2	GCMSQ	TO-15	
MSQ185-IC185	Q3389.D	05/15/07 18:37	PB	.2	GCMSQ	TO-15	
MSQ185-IC185	Q3390.D	05/15/07 19:16	PB	40	GCMSQ	TO-15	
MSQ185-IC185	Q3391.D	05/15/07 19:56	PB	5	GCMSQ	TO-15	
MSQ185-IC185	Q3392.D	05/16/07 08:18	PB	20	GCMSQ	TO-15	Reporting this level
MSQ185-ICC185	Q3393.D	05/16/07 09:18	PB	10	GCMSQ	TO-15	
MSQ185-IC185	Q3394.D	05/16/07 10:02	PB	.5	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.11	14.70	0.892	ok	0.892	0.832-0.952
Isopropylbenzene	16.48	14.70	1.121	ok	1.121	1.061-1.181
Isopropyl Alcohol	5.43	8.42	0.645	ok	0.646	0.586-0.706
Methylene chloride	6.18	8.42	0.734	ok	0.735	0.675-0.795
Methyl ethyl ketone	7.78	8.42	0.924	ok	0.925	0.865-0.985
Methyl Isobutyl Ketone	11.91	10.34	1.152	ok	1.152	1.092-1.212
Methyl Tert Butyl Ether	7.43	8.42	0.882	ok	0.884	0.824-0.944
Nonane	16.03	14.70	1.090	ok	1.091	1.031-1.151
Pentane	5.75	8.42	0.683	ok	0.685	0.625-0.745
Propylene	3.51	8.42	0.417	ok	0.418	0.358-0.478
Styrene	15.71	14.70	1.069	ok	1.069	1.009-1.129
1,1,1-Trichloroethane	9.55	8.42	1.134	ok	1.134	1.074-1.194
1,1,2,2-Tetrachloroethane	15.82	14.70	1.076	ok	1.076	1.016-1.136
1,1,2-Trichloroethane	12.60	10.34	1.219	ok	1.218	1.158-1.278
1,2,4-Trichlorobenzene	20.32	14.70	1.382	ok	1.383	1.323-1.443
1,2,4-Trimethylbenzene	17.77	14.70	1.209	ok	1.209	1.149-1.269
1,3,5-Trimethylbenzene	17.31	14.70	1.178	ok	1.178	1.118-1.238
2,2,4-Trimethylpentane	11.07	10.34	1.071	ok	1.071	1.011-1.131
Tertiary Butyl Alcohol	6.08	8.42	0.722	ok	0.723	0.663-0.783
Tetrachloroethylene	14.04	14.70	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	8.95	8.42	1.063	ok	1.064	1.004-1.124
Toluene	12.88	10.34	1.246	ok	1.246	1.186-1.306
Trichloroethylene	11.05	10.34	1.069	ok	1.069	1.009-1.129
Trichlorofluoromethane	5.37	8.42	0.638	ok	0.640	0.580-0.700
Vinyl chloride	3.97	8.42	0.471	ok	0.473	0.413-0.533
Vinyl Acetate	7.53	8.42	0.894	ok	0.894	0.834-0.954
m,p-Xylene	15.33	14.70	1.043	ok	1.043	0.983-1.103
o-Xylene	15.83	14.70	1.077	ok	1.077	1.017-1.137

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.42	ok	8.42	8.09-8.75	107237	ok	105507	63304-147710
1,4-Difluorobenzene	10.34	ok	10.34	10.01-10.67	441646	ok	486071	291643-680499
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	414256	ok	429291	257575-601007

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64940
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	
MSQ185-IC185	Q3387.D	05/15/07 17:12	PB	2	GCMSQ	TO-15	
MSQ185-IC185	Q3389.D	05/15/07 18:37	PB	.2	GCMSQ	TO-15	
MSQ185-IC185	Q3390.D	05/15/07 19:16	PB	40	GCMSQ	TO-15	
MSQ185-IC185	Q3391.D	05/15/07 19:56	PB	5	GCMSQ	TO-15	
MSQ185-IC185	Q3392.D	05/16/07 08:18	PB	20	GCMSQ	TO-15	
MSQ185-ICC185	Q3393.D	05/16/07 09:18	PB	10	GCMSQ	TO-15	Reporting this level
MSQ185-IC185	Q3394.D	05/16/07 10:02	PB	.5	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.18	8.42	0.615	ok	0.616	0.556-0.676
1,3-Butadiene	4.12	8.42	0.489	ok	0.489	0.429-0.549
Benzene	10.01	10.34	0.968	ok	0.968	0.908-1.028
Bromodichloromethane	11.01	10.34	1.065	ok	1.065	1.005-1.125
Bromoform	15.42	14.70	1.049	ok	1.049	0.989-1.109
Bromomethane	4.40	8.42	0.523	ok	0.522	0.462-0.582
Bromoethene	4.94	8.42	0.587	ok	0.586	0.526-0.646
Benzyl Chloride	17.93	14.70	1.220	ok	1.220	1.160-1.280
Carbon disulfide	6.52	8.42	0.774	ok	0.774	0.714-0.834
Chlorobenzene	14.74	14.70	1.003	ok	1.003	0.943-1.063
Chloroethane	4.57	8.42	0.543	ok	0.542	0.482-0.602
Chloroform	8.55	8.42	1.015	ok	1.015	0.955-1.075
Chloromethane	3.75	8.42	0.445	ok	0.446	0.386-0.506
3-Chloropropene	6.32	8.42	0.751	ok	0.750	0.690-0.810
2-Chlorotoluene	17.03	14.70	1.159	ok	1.159	1.099-1.219
Carbon tetrachloride	10.16	8.42	1.207	ok	1.206	1.146-1.266
Cyclohexane	10.28	10.34	0.994	ok	0.994	0.934-1.054
1,1-Dichloroethane	7.39	8.42	0.878	ok	0.878	0.818-0.938
1,1-Dichloroethylene	6.06	8.42	0.720	ok	0.720	0.660-0.780
1,2-Dibromoethane	13.57	14.70	0.923	ok	0.923	0.863-0.983
1,2-Dichloroethane	9.30	8.42	1.105	ok	1.104	1.044-1.164
1,2-Dichloropropane	10.82	10.34	1.046	ok	1.046	0.986-1.106
1,4-Dioxane	11.04	10.34	1.068	ok	1.068	1.008-1.128
Dichlorodifluoromethane	3.59	8.42	0.426	ok	0.426	0.366-0.486
Dibromochloromethane	13.32	14.70	0.906	ok	0.906	0.846-0.966
trans-1,2-Dichloroethylene	7.18	8.42	0.853	ok	0.853	0.793-0.913
cis-1,2-Dichloroethylene	8.25	8.42	0.980	ok	0.979	0.919-1.039
cis-1,3-Dichloropropene	11.90	10.34	1.151	ok	1.151	1.091-1.211
m-Dichlorobenzene	17.96	14.70	1.222	ok	1.222	1.162-1.282
o-Dichlorobenzene	18.42	14.70	1.253	ok	1.253	1.193-1.313
p-Dichlorobenzene	18.03	14.70	1.227	ok	1.227	1.167-1.287
trans-1,3-Dichloropropene	12.41	10.34	1.200	ok	1.200	1.140-1.260
Ethanol	4.67	8.42	0.555	ok	0.555	0.495-0.615
Ethylbenzene	15.13	14.70	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.46	8.42	1.005	ok	1.005	0.945-1.065
4-Ethyltoluene	17.22	14.70	1.171	ok	1.172	1.112-1.232
Freon 113	6.47	8.42	0.768	ok	0.768	0.708-0.828
Freon 114	3.85	8.42	0.457	ok	0.458	0.398-0.518
Heptane	11.32	10.34	1.095	ok	1.095	1.035-1.155
Hexachlorobutadiene	20.81	14.70	1.416	ok	1.416	1.356-1.476
Hexane	8.46	8.42	1.005	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64940
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	
MSQ185-IC185	Q3387.D	05/15/07 17:12	PB	2	GCMSQ	TO-15	
MSQ185-IC185	Q3389.D	05/15/07 18:37	PB	.2	GCMSQ	TO-15	
MSQ185-IC185	Q3390.D	05/15/07 19:16	PB	40	GCMSQ	TO-15	
MSQ185-IC185	Q3391.D	05/15/07 19:56	PB	5	GCMSQ	TO-15	
MSQ185-IC185	Q3392.D	05/16/07 08:18	PB	20	GCMSQ	TO-15	
MSQ185-ICC185	Q3393.D	05/16/07 09:18	PB	10	GCMSQ	TO-15	Reporting this level
MSQ185-IC185	Q3394.D	05/16/07 10:02	PB	.5	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.11	14.70	0.892	ok	0.892	0.832-0.952
Isopropylbenzene	16.48	14.70	1.121	ok	1.121	1.061-1.181
Isopropyl Alcohol	5.44	8.42	0.646	ok	0.646	0.586-0.706
Methylene chloride	6.19	8.42	0.735	ok	0.735	0.675-0.795
Methyl ethyl ketone	7.79	8.42	0.925	ok	0.925	0.865-0.985
Methyl Isobutyl Ketone	11.91	10.34	1.152	ok	1.152	1.092-1.212
Methyl Tert Butyl Ether	7.44	8.42	0.884	ok	0.884	0.824-0.944
Nonane	16.03	14.70	1.090	ok	1.091	1.031-1.151
Pentane	5.77	8.42	0.685	ok	0.685	0.625-0.745
Propylene	3.52	8.42	0.418	ok	0.418	0.358-0.478
Styrene	15.71	14.70	1.069	ok	1.069	1.009-1.129
1,1,1-Trichloroethane	9.55	8.42	1.134	ok	1.134	1.074-1.194
1,1,2,2-Tetrachloroethane	15.82	14.70	1.076	ok	1.076	1.016-1.136
1,1,2-Trichloroethane	12.60	10.34	1.219	ok	1.218	1.158-1.278
1,2,4-Trichlorobenzene	20.32	14.70	1.382	ok	1.383	1.323-1.443
1,2,4-Trimethylbenzene	17.77	14.70	1.209	ok	1.209	1.149-1.269
1,3,5-Trimethylbenzene	17.31	14.70	1.178	ok	1.178	1.118-1.238
2,2,4-Trimethylpentane	11.07	10.34	1.071	ok	1.071	1.011-1.131
Tertiary Butyl Alcohol	6.08	8.42	0.722	ok	0.723	0.663-0.783
Tetrachloroethylene	14.04	14.70	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	8.96	8.42	1.064	ok	1.064	1.004-1.124
Toluene	12.88	10.34	1.246	ok	1.246	1.186-1.306
Trichloroethylene	11.05	10.34	1.069	ok	1.069	1.009-1.129
Trichlorofluoromethane	5.39	8.42	0.640	ok	0.640	0.580-0.700
Vinyl chloride	3.98	8.42	0.473	ok	0.473	0.413-0.533
Vinyl Acetate	7.53	8.42	0.894	ok	0.894	0.834-0.954
m,p-Xylene	15.33	14.70	1.043	ok	1.043	0.983-1.103
o-Xylene	15.83	14.70	1.077	ok	1.077	1.017-1.137

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.42	ok	8.42	8.09-8.75	94874	ok	105507	63304-147710
1,4-Difluorobenzene	10.34	ok	10.34	10.01-10.67	466297	ok	486071	291643-680499
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	426455	ok	429291	257575-601007

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64940
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	
MSQ185-IC185	Q3387.D	05/15/07 17:12	PB	2	GCMSQ	TO-15	
MSQ185-IC185	Q3389.D	05/15/07 18:37	PB	.2	GCMSQ	TO-15	
MSQ185-IC185	Q3390.D	05/15/07 19:16	PB	40	GCMSQ	TO-15	
MSQ185-IC185	Q3391.D	05/15/07 19:56	PB	5	GCMSQ	TO-15	
MSQ185-IC185	Q3392.D	05/16/07 08:18	PB	20	GCMSQ	TO-15	
MSQ185-ICC185	Q3393.D	05/16/07 09:18	PB	10	GCMSQ	TO-15	
MSQ185-IC185	Q3394.D	05/16/07 10:02	PB	.5	GCMSQ	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.19	8.42	0.616	ok	0.616	0.556-0.676
1,3-Butadiene	4.12	8.42	0.489	ok	0.489	0.429-0.549
Benzene	10.01	10.34	0.968	ok	0.968	0.908-1.028
Bromodichloromethane	11.01	10.34	1.065	ok	1.065	1.005-1.125
Bromoform	15.42	14.70	1.049	ok	1.049	0.989-1.109
Bromomethane	4.40	8.42	0.523	ok	0.522	0.462-0.582
Bromoethene	4.94	8.42	0.587	ok	0.586	0.526-0.646
Benzyl Chloride	17.93	14.70	1.220	ok	1.220	1.160-1.280
Carbon disulfide	6.52	8.42	0.774	ok	0.774	0.714-0.834
Chlorobenzene	14.74	14.70	1.003	ok	1.003	0.943-1.063
Chloroethane	4.57	8.42	0.543	ok	0.542	0.482-0.602
Chloroform	8.54	8.42	1.014	ok	1.015	0.955-1.075
Chloromethane	3.75	8.42	0.445	ok	0.446	0.386-0.506
3-Chloropropene	6.32	8.42	0.751	ok	0.750	0.690-0.810
2-Chlorotoluene	17.03	14.70	1.159	ok	1.159	1.099-1.219
Carbon tetrachloride	10.16	8.42	1.207	ok	1.206	1.146-1.266
Cyclohexane	10.29	10.34	0.995	ok	0.994	0.934-1.054
1,1-Dichloroethane	7.39	8.42	0.878	ok	0.878	0.818-0.938
1,1-Dichloroethylene	6.06	8.42	0.720	ok	0.720	0.660-0.780
1,2-Dibromoethane	13.57	14.70	0.923	ok	0.923	0.863-0.983
1,2-Dichloroethane	9.29	8.42	1.103	ok	1.104	1.044-1.164
1,2-Dichloropropane	10.82	10.34	1.046	ok	1.046	0.986-1.106
1,4-Dioxane	11.04	10.34	1.068	ok	1.068	1.008-1.128
Dichlorodifluoromethane	3.59	8.42	0.426	ok	0.426	0.366-0.486
Dibromochloromethane	13.32	14.70	0.906	ok	0.906	0.846-0.966
trans-1,2-Dichloroethylene	7.18	8.42	0.853	ok	0.853	0.793-0.913
cis-1,2-Dichloroethylene	8.25	8.42	0.980	ok	0.979	0.919-1.039
cis-1,3-Dichloropropene	11.90	10.34	1.151	ok	1.151	1.091-1.211
m-Dichlorobenzene	17.96	14.70	1.222	ok	1.222	1.162-1.282
o-Dichlorobenzene	18.42	14.70	1.253	ok	1.253	1.193-1.313
p-Dichlorobenzene	18.03	14.70	1.227	ok	1.227	1.167-1.287
trans-1,3-Dichloropropene	12.41	10.34	1.200	ok	1.200	1.140-1.260
Ethanol	4.67	8.42	0.555	ok	0.555	0.495-0.615
Ethylbenzene	15.13	14.70	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.46	8.42	1.005	ok	1.005	0.945-1.065
4-Ethyltoluene	17.22	14.70	1.171	ok	1.172	1.112-1.232
Freon 113	6.47	8.42	0.768	ok	0.768	0.708-0.828
Freon 114	3.85	8.42	0.457	ok	0.458	0.398-0.518
Heptane	11.32	10.34	1.095	ok	1.095	1.035-1.155
Hexachlorobutadiene	20.81	14.70	1.416	ok	1.416	1.356-1.476
Hexane	8.46	8.42	1.005	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64940
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	
MSQ185-IC185	Q3387.D	05/15/07 17:12	PB	2	GCMSQ	TO-15	
MSQ185-IC185	Q3389.D	05/15/07 18:37	PB	.2	GCMSQ	TO-15	
MSQ185-IC185	Q3390.D	05/15/07 19:16	PB	40	GCMSQ	TO-15	
MSQ185-IC185	Q3391.D	05/15/07 19:56	PB	5	GCMSQ	TO-15	
MSQ185-IC185	Q3392.D	05/16/07 08:18	PB	20	GCMSQ	TO-15	
MSQ185-ICC185	Q3393.D	05/16/07 09:18	PB	10	GCMSQ	TO-15	
MSQ185-IC185	Q3394.D	05/16/07 10:02	PB	.5	GCMSQ	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.12	14.70	0.893	ok	0.892	0.832-0.952
Isopropylbenzene	16.48	14.70	1.121	ok	1.121	1.061-1.181
Isopropyl Alcohol	5.45	8.42	0.647	ok	0.646	0.586-0.706
Methylene chloride	6.19	8.42	0.735	ok	0.735	0.675-0.795
Methyl ethyl ketone	7.80	8.42	0.926	ok	0.925	0.865-0.985
Methyl Isobutyl Ketone	11.92	10.34	1.153	ok	1.152	1.092-1.212
Methyl Tert Butyl Ether	7.44	8.42	0.884	ok	0.884	0.824-0.944
Nonane	16.03	14.70	1.090	ok	1.091	1.031-1.151
Pentane	5.77	8.42	0.685	ok	0.685	0.625-0.745
Propylene	3.52	8.42	0.418	ok	0.418	0.358-0.478
Styrene	15.71	14.70	1.069	ok	1.069	1.009-1.129
1,1,1-Trichloroethane	9.55	8.42	1.134	ok	1.134	1.074-1.194
1,1,2,2-Tetrachloroethane	15.81	14.70	1.076	ok	1.076	1.016-1.136
1,1,2-Trichloroethane	12.59	10.34	1.218	ok	1.218	1.158-1.278
1,2,4-Trichlorobenzene	20.32	14.70	1.382	ok	1.383	1.323-1.443
1,2,4-Trimethylbenzene	17.78	14.70	1.210	ok	1.209	1.149-1.269
1,3,5-Trimethylbenzene	17.31	14.70	1.178	ok	1.178	1.118-1.238
2,2,4-Trimethylpentane	11.07	10.34	1.071	ok	1.071	1.011-1.131
Tertiary Butyl Alcohol	6.10	8.42	0.724	ok	0.723	0.663-0.783
Tetrachloroethylene	14.04	14.70	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	8.96	8.42	1.064	ok	1.064	1.004-1.124
Toluene	12.88	10.34	1.246	ok	1.246	1.186-1.306
Trichloroethylene	11.05	10.34	1.069	ok	1.069	1.009-1.129
Trichlorofluoromethane	5.39	8.42	0.640	ok	0.640	0.580-0.700
Vinyl chloride	3.98	8.42	0.473	ok	0.473	0.413-0.533
Vinyl Acetate	7.53	8.42	0.894	ok	0.894	0.834-0.954
m,p-Xylene	15.32	14.70	1.042	ok	1.043	0.983-1.103
o-Xylene	15.83	14.70	1.077	ok	1.077	1.017-1.137

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.42	ok	8.42	8.09-8.75	123785	ok	105507	63304-147710
1,4-Difluorobenzene	10.34	ok	10.34	10.01-10.67	544363	ok	486071	291643-680499
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	433498	ok	429291	257575-601007

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64940
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	
MSQ189-IC189	Q3474.D	05/21/07 17:28	PB	40	GCMSQ	TO-15	Reporting this level
MSQ189-IC189	Q3475.D	05/21/07 18:09	PB	20	GCMSQ	TO-15	
MSQ189-ICC189	Q3476.D	05/21/07 18:52	PB	10	GCMSQ	TO-15	
MSQ189-IC189	Q3477.D	05/21/07 19:34	PB	5	GCMSQ	TO-15	
MSQ189-IC189	Q3478.D	05/21/07 20:17	PB	2	GCMSQ	TO-15	
MSQ189-IC189	Q3479.D	05/21/07 21:00	PB	.5	GCMSQ	TO-15	
MSQ189-IC189	Q3480.D	05/21/07 21:43	PB	.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.19	8.43	0.616	ok	0.617	0.557-0.677
1,3-Butadiene	4.12	8.43	0.489	ok	0.490	0.430-0.550
Benzene	10.01	10.35	0.967	ok	0.968	0.908-1.028
Bromodichloromethane	11.02	10.35	1.065	ok	1.064	1.004-1.124
Bromoform	15.43	14.70	1.050	ok	1.049	0.989-1.109
Bromomethane	4.40	8.43	0.522	ok	0.523	0.463-0.583
Bromoethene	4.95	8.43	0.587	ok	0.588	0.528-0.648
Benzyl Chloride	17.94	14.70	1.220	ok	1.220	1.160-1.280
Carbon disulfide	6.52	8.43	0.773	ok	0.775	0.715-0.835
Chlorobenzene	14.74	14.70	1.003	ok	1.003	0.943-1.063
Chloroethane	4.57	8.43	0.542	ok	0.544	0.484-0.604
Chloroform	8.56	8.43	1.015	ok	1.015	0.955-1.075
Chloromethane	3.76	8.43	0.446	ok	0.447	0.387-0.507
3-Chloropropene	6.32	8.43	0.750	ok	0.751	0.691-0.811
2-Chlorotoluene	17.04	14.70	1.159	ok	1.159	1.099-1.219
Carbon tetrachloride	10.16	8.43	1.205	ok	1.206	1.146-1.266
Cyclohexane	10.29	10.35	0.994	ok	0.994	0.934-1.054
1,1-Dichloroethane	7.40	8.43	0.878	ok	0.878	0.818-0.938
1,1-Dichloroethylene	6.07	8.43	0.720	ok	0.721	0.661-0.781
1,2-Dibromoethane	13.58	14.70	0.924	ok	0.923	0.863-0.983
1,2-Dichloroethane	9.30	8.43	1.103	ok	1.103	1.043-1.163
1,2-Dichloropropane	10.83	10.35	1.046	ok	1.046	0.986-1.106
1,4-Dioxane	11.04	10.35	1.067	ok	1.067	1.007-1.127
Dichlorodifluoromethane	3.59	8.43	0.426	ok	0.427	0.367-0.487
Dibromochloromethane	13.32	14.70	0.906	ok	0.906	0.846-0.966
trans-1,2-Dichloroethylene	7.18	8.43	0.852	ok	0.853	0.793-0.913
cis-1,2-Dichloroethylene	8.25	8.43	0.979	ok	0.980	0.920-1.040
cis-1,3-Dichloropropene	11.90	10.35	1.150	ok	1.150	1.090-1.210
m-Dichlorobenzene	17.96	14.70	1.222	ok	1.222	1.162-1.282
o-Dichlorobenzene	18.42	14.70	1.253	ok	1.253	1.193-1.313
p-Dichlorobenzene	18.04	14.70	1.227	ok	1.227	1.167-1.287
trans-1,3-Dichloropropene	12.42	10.35	1.200	ok	1.200	1.140-1.260
Ethanol	4.68	8.43	0.555	ok	0.556	0.496-0.616
Ethylbenzene	15.13	14.70	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.46	8.43	1.004	ok	1.004	0.944-1.064
4-Ethyltoluene	17.23	14.70	1.172	ok	1.172	1.112-1.232
Freon 113	6.47	8.43	0.767	ok	0.768	0.708-0.828
Freon 114	3.86	8.43	0.458	ok	0.459	0.399-0.519
Heptane	11.33	10.35	1.095	ok	1.095	1.035-1.155
Hexachlorobutadiene	20.81	14.70	1.416	ok	1.416	1.356-1.476
Hexane	8.46	8.43	1.004	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64940
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	
MSQ189-IC189	Q3474.D	05/21/07 17:28	PB	40	GCMSQ	TO-15	Reporting this level
MSQ189-IC189	Q3475.D	05/21/07 18:09	PB	20	GCMSQ	TO-15	
MSQ189-ICC189	Q3476.D	05/21/07 18:52	PB	10	GCMSQ	TO-15	
MSQ189-IC189	Q3477.D	05/21/07 19:34	PB	5	GCMSQ	TO-15	
MSQ189-IC189	Q3478.D	05/21/07 20:17	PB	2	GCMSQ	TO-15	
MSQ189-IC189	Q3479.D	05/21/07 21:00	PB	.5	GCMSQ	TO-15	
MSQ189-IC189	Q3480.D	05/21/07 21:43	PB	.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.12	14.70	0.893	ok	0.892	0.832-0.952
Isopropylbenzene	16.48	14.70	1.121	ok	1.121	1.061-1.181
Isopropyl Alcohol	5.45	8.43	0.647	ok	0.647	0.587-0.707
Methylene chloride	6.20	8.43	0.735	ok	0.735	0.675-0.795
Methyl ethyl ketone	7.80	8.43	0.925	ok	0.925	0.865-0.985
Methyl Isobutyl Ketone	11.92	10.35	1.152	ok	1.152	1.092-1.212
Methyl Tert Butyl Ether	7.45	8.43	0.884	ok	0.884	0.824-0.944
Nonane	16.04	14.70	1.091	ok	1.091	1.031-1.151
Pentane	5.77	8.43	0.684	ok	0.685	0.625-0.745
Propylene	3.52	8.43	0.418	ok	0.419	0.359-0.479
Styrene	15.71	14.70	1.069	ok	1.069	1.009-1.129
1,1,1-Trichloroethane	9.55	8.43	1.133	ok	1.133	1.073-1.193
1,1,2,2-Tetrachloroethane	15.82	14.70	1.076	ok	1.076	1.016-1.136
1,1,2-Trichloroethane	12.60	10.35	1.217	ok	1.217	1.157-1.277
1,2,4-Trimethylbenzene	17.78	14.70	1.210	ok	1.209	1.149-1.269
1,3,5-Trimethylbenzene	17.31	14.70	1.178	ok	1.178	1.118-1.238
2,2,4-Trimethylpentane	11.08	10.35	1.071	ok	1.071	1.011-1.131
Tertiary Butyl Alcohol	6.09	8.43	0.722	ok	0.723	0.663-0.783
Tetrachloroethylene	14.04	14.70	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	8.95	8.43	1.062	ok	1.063	1.003-1.123
Toluene	12.89	10.35	1.245	ok	1.245	1.185-1.305
Trichloroethylene	11.05	10.35	1.068	ok	1.068	1.008-1.128
Trichlorofluoromethane	5.39	8.43	0.639	ok	0.640	0.580-0.700
Vinyl chloride	3.99	8.43	0.473	ok	0.473	0.413-0.533
Vinyl Acetate	7.54	8.43	0.894	ok	0.894	0.834-0.954
m,p-Xylene	15.33	14.70	1.043	ok	1.043	0.983-1.103
o-Xylene	15.83	14.70	1.077	ok	1.077	1.017-1.137

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.43	ok	8.43	8.10-8.76	81469	ok	70239	42143-98335
1,4-Difluorobenzene	10.35	ok	10.35	10.02-10.68	363145	ok	321291	192775-449807
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	329063	ok	275768	165461-386075

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64940
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	
MSQ189-IC189	Q3474.D	05/21/07 17:28	PB	40	GCMSQ	TO-15	
MSQ189-IC189	Q3475.D	05/21/07 18:09	PB	20	GCMSQ	TO-15	Reporting this level
MSQ189-ICC189	Q3476.D	05/21/07 18:52	PB	10	GCMSQ	TO-15	
MSQ189-IC189	Q3477.D	05/21/07 19:34	PB	5	GCMSQ	TO-15	
MSQ189-IC189	Q3478.D	05/21/07 20:17	PB	2	GCMSQ	TO-15	
MSQ189-IC189	Q3479.D	05/21/07 21:00	PB	.5	GCMSQ	TO-15	
MSQ189-IC189	Q3480.D	05/21/07 21:43	PB	.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.20	8.43	0.617	ok	0.617	0.557-0.677
1,3-Butadiene	4.13	8.43	0.490	ok	0.490	0.430-0.550
Benzene	10.02	10.35	0.968	ok	0.968	0.908-1.028
Bromodichloromethane	11.02	10.35	1.065	ok	1.064	1.004-1.124
Bromoform	15.42	14.70	1.049	ok	1.049	0.989-1.109
Bromomethane	4.41	8.43	0.523	ok	0.523	0.463-0.583
Bromoethene	4.95	8.43	0.587	ok	0.588	0.528-0.648
Benzyl Chloride	17.94	14.70	1.220	ok	1.220	1.160-1.280
Carbon disulfide	6.53	8.43	0.775	ok	0.775	0.715-0.835
Chlorobenzene	14.74	14.70	1.003	ok	1.003	0.943-1.063
Chloroethane	4.58	8.43	0.543	ok	0.544	0.484-0.604
Chloroform	8.56	8.43	1.015	ok	1.015	0.955-1.075
Chloromethane	3.77	8.43	0.447	ok	0.447	0.387-0.507
3-Chloropropene	6.33	8.43	0.751	ok	0.751	0.691-0.811
2-Chlorotoluene	17.03	14.70	1.159	ok	1.159	1.099-1.219
Carbon tetrachloride	10.17	8.43	1.206	ok	1.206	1.146-1.266
Cyclohexane	10.29	10.35	0.994	ok	0.994	0.934-1.054
1,1-Dichloroethane	7.40	8.43	0.878	ok	0.878	0.818-0.938
1,1-Dichloroethylene	6.08	8.43	0.721	ok	0.721	0.661-0.781
1,2-Dibromoethane	13.57	14.70	0.923	ok	0.923	0.863-0.983
1,2-Dichloroethane	9.30	8.43	1.103	ok	1.103	1.043-1.163
1,2-Dichloropropane	10.82	10.35	1.045	ok	1.046	0.986-1.106
1,4-Dioxane	11.04	10.35	1.067	ok	1.067	1.007-1.127
Dichlorodifluoromethane	3.60	8.43	0.427	ok	0.427	0.367-0.487
Dibromochloromethane	13.32	14.70	0.906	ok	0.906	0.846-0.966
trans-1,2-Dichloroethylene	7.19	8.43	0.853	ok	0.853	0.793-0.913
cis-1,2-Dichloroethylene	8.25	8.43	0.979	ok	0.980	0.920-1.040
cis-1,3-Dichloropropene	11.90	10.35	1.150	ok	1.150	1.090-1.210
m-Dichlorobenzene	17.96	14.70	1.222	ok	1.222	1.162-1.282
o-Dichlorobenzene	18.42	14.70	1.253	ok	1.253	1.193-1.313
p-Dichlorobenzene	18.03	14.70	1.227	ok	1.227	1.167-1.287
trans-1,3-Dichloropropene	12.41	10.35	1.199	ok	1.200	1.140-1.260
Ethanol	4.68	8.43	0.555	ok	0.556	0.496-0.616
Ethylbenzene	15.13	14.70	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.47	8.43	1.005	ok	1.004	0.944-1.064
4-Ethyltoluene	17.22	14.70	1.171	ok	1.172	1.112-1.232
Freon 113	6.48	8.43	0.769	ok	0.768	0.708-0.828
Freon 114	3.87	8.43	0.459	ok	0.459	0.399-0.519
Heptane	11.33	10.35	1.095	ok	1.095	1.035-1.155
Hexachlorobutadiene	20.81	14.70	1.416	ok	1.416	1.356-1.476
Hexane	8.46	8.43	1.004	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64940
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	
MSQ189-IC189	Q3474.D	05/21/07 17:28	PB	40	GCMSQ	TO-15	
MSQ189-IC189	Q3475.D	05/21/07 18:09	PB	20	GCMSQ	TO-15	Reporting this level
MSQ189-ICC189	Q3476.D	05/21/07 18:52	PB	10	GCMSQ	TO-15	
MSQ189-IC189	Q3477.D	05/21/07 19:34	PB	5	GCMSQ	TO-15	
MSQ189-IC189	Q3478.D	05/21/07 20:17	PB	2	GCMSQ	TO-15	
MSQ189-IC189	Q3479.D	05/21/07 21:00	PB	.5	GCMSQ	TO-15	
MSQ189-IC189	Q3480.D	05/21/07 21:43	PB	.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.12	14.70	0.893	ok	0.892	0.832-0.952
Isopropylbenzene	16.48	14.70	1.121	ok	1.121	1.061-1.181
Isopropyl Alcohol	5.45	8.43	0.647	ok	0.647	0.587-0.707
Methylene chloride	6.20	8.43	0.735	ok	0.735	0.675-0.795
Methyl ethyl ketone	7.80	8.43	0.925	ok	0.925	0.865-0.985
Methyl Isobutyl Ketone	11.92	10.35	1.152	ok	1.152	1.092-1.212
Methyl Tert Butyl Ether	7.45	8.43	0.884	ok	0.884	0.824-0.944
Naphthalene	20.80	14.70	1.415	ok	1.415	1.355-1.475
Nonane	16.03	14.70	1.090	ok	1.091	1.031-1.151
Pentane	5.77	8.43	0.684	ok	0.685	0.625-0.745
Propylene	3.53	8.43	0.419	ok	0.419	0.359-0.479
Styrene	15.71	14.70	1.069	ok	1.069	1.009-1.129
1,1,1-Trichloroethane	9.56	8.43	1.134	ok	1.133	1.073-1.193
1,1,2,2-Tetrachloroethane	15.82	14.70	1.076	ok	1.076	1.016-1.136
1,1,2-Trichloroethane	12.60	10.35	1.217	ok	1.217	1.157-1.277
1,2,4-Trichlorobenzene	20.32	14.70	1.382	ok	1.383	1.323-1.443
1,2,4-Trimethylbenzene	17.78	14.70	1.210	ok	1.209	1.149-1.269
1,3,5-Trimethylbenzene	17.31	14.70	1.178	ok	1.178	1.118-1.238
2,2,4-Trimethylpentane	11.08	10.35	1.071	ok	1.071	1.011-1.131
Tertiary Butyl Alcohol	6.10	8.43	0.724	ok	0.723	0.663-0.783
Tetrachloroethylene	14.04	14.70	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	8.96	8.43	1.063	ok	1.063	1.003-1.123
Toluene	12.89	10.35	1.245	ok	1.245	1.185-1.305
Trichloroethylene	11.05	10.35	1.068	ok	1.068	1.008-1.128
Trichlorofluoromethane	5.40	8.43	0.641	ok	0.640	0.580-0.700
Vinyl chloride	3.99	8.43	0.473	ok	0.473	0.413-0.533
Vinyl Acetate	7.54	8.43	0.894	ok	0.894	0.834-0.954
m,p-Xylene	15.33	14.70	1.043	ok	1.043	0.983-1.103
o-Xylene	15.83	14.70	1.077	ok	1.077	1.017-1.137

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.43	ok	8.43	8.10-8.76	79073	ok	70239	42143-98335
1,4-Difluorobenzene	10.35	ok	10.35	10.02-10.68	373198	ok	321291	192775-449807
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	314580	ok	275768	165461-386075

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64940
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	
MSQ189-IC189	Q3474.D	05/21/07 17:28	PB	40	GCMSQ	TO-15	
MSQ189-IC189	Q3475.D	05/21/07 18:09	PB	20	GCMSQ	TO-15	
MSQ189-ICC189	Q3476.D	05/21/07 18:52	PB	10	GCMSQ	TO-15	Reporting this level
MSQ189-IC189	Q3477.D	05/21/07 19:34	PB	5	GCMSQ	TO-15	
MSQ189-IC189	Q3478.D	05/21/07 20:17	PB	2	GCMSQ	TO-15	
MSQ189-IC189	Q3479.D	05/21/07 21:00	PB	.5	GCMSQ	TO-15	
MSQ189-IC189	Q3480.D	05/21/07 21:43	PB	.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.20	8.43	0.617	ok	0.617	0.557-0.677
1,3-Butadiene	4.13	8.43	0.490	ok	0.490	0.430-0.550
Benzene	10.01	10.35	0.967	ok	0.968	0.908-1.028
Bromodichloromethane	11.01	10.35	1.064	ok	1.064	1.004-1.124
Bromoform	15.42	14.70	1.049	ok	1.049	0.989-1.109
Bromomethane	4.41	8.43	0.523	ok	0.523	0.463-0.583
Bromoethene	4.95	8.43	0.587	ok	0.588	0.528-0.648
Benzyl Chloride	17.94	14.70	1.220	ok	1.220	1.160-1.280
Carbon disulfide	6.53	8.43	0.775	ok	0.775	0.715-0.835
Chlorobenzene	14.74	14.70	1.003	ok	1.003	0.943-1.063
Chloroethane	4.58	8.43	0.543	ok	0.544	0.484-0.604
Chloroform	8.56	8.43	1.015	ok	1.015	0.955-1.075
Chloromethane	3.77	8.43	0.447	ok	0.447	0.387-0.507
3-Chloropropene	6.33	8.43	0.751	ok	0.751	0.691-0.811
2-Chlorotoluene	17.03	14.70	1.159	ok	1.159	1.099-1.219
Carbon tetrachloride	10.16	8.43	1.205	ok	1.206	1.146-1.266
Cyclohexane	10.29	10.35	0.994	ok	0.994	0.934-1.054
1,1-Dichloroethane	7.40	8.43	0.878	ok	0.878	0.818-0.938
1,1-Dichloroethylene	6.08	8.43	0.721	ok	0.721	0.661-0.781
1,2-Dibromoethane	13.57	14.70	0.923	ok	0.923	0.863-0.983
1,2-Dichloroethane	9.30	8.43	1.103	ok	1.103	1.043-1.163
1,2-Dichloropropane	10.82	10.35	1.045	ok	1.046	0.986-1.106
1,4-Dioxane	11.05	10.35	1.068	ok	1.067	1.007-1.127
Dichlorodifluoromethane	3.60	8.43	0.427	ok	0.427	0.367-0.487
Dibromochloromethane	13.32	14.70	0.906	ok	0.906	0.846-0.966
trans-1,2-Dichloroethylene	7.19	8.43	0.853	ok	0.853	0.793-0.913
cis-1,2-Dichloroethylene	8.26	8.43	0.980	ok	0.980	0.920-1.040
cis-1,3-Dichloropropene	11.90	10.35	1.150	ok	1.150	1.090-1.210
m-Dichlorobenzene	17.96	14.70	1.222	ok	1.222	1.162-1.282
o-Dichlorobenzene	18.42	14.70	1.253	ok	1.253	1.193-1.313
p-Dichlorobenzene	18.03	14.70	1.227	ok	1.227	1.167-1.287
trans-1,3-Dichloropropene	12.42	10.35	1.200	ok	1.200	1.140-1.260
Ethanol	4.68	8.43	0.555	ok	0.556	0.496-0.616
Ethylbenzene	15.13	14.70	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.47	8.43	1.005	ok	1.004	0.944-1.064
4-Ethyltoluene	17.22	14.70	1.171	ok	1.172	1.112-1.232
Freon 113	6.48	8.43	0.769	ok	0.768	0.708-0.828
Freon 114	3.87	8.43	0.459	ok	0.459	0.399-0.519
Heptane	11.33	10.35	1.095	ok	1.095	1.035-1.155
Hexachlorobutadiene	20.81	14.70	1.416	ok	1.416	1.356-1.476
Hexane	8.46	8.43	1.004	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64940
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	
MSQ189-IC189	Q3474.D	05/21/07 17:28	PB	40	GCMSQ	TO-15	
MSQ189-IC189	Q3475.D	05/21/07 18:09	PB	20	GCMSQ	TO-15	
MSQ189-ICC189	Q3476.D	05/21/07 18:52	PB	10	GCMSQ	TO-15	Reporting this level
MSQ189-IC189	Q3477.D	05/21/07 19:34	PB	5	GCMSQ	TO-15	
MSQ189-IC189	Q3478.D	05/21/07 20:17	PB	2	GCMSQ	TO-15	
MSQ189-IC189	Q3479.D	05/21/07 21:00	PB	.5	GCMSQ	TO-15	
MSQ189-IC189	Q3480.D	05/21/07 21:43	PB	.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.11	14.70	0.892	ok	0.892	0.832-0.952
Isopropylbenzene	16.48	14.70	1.121	ok	1.121	1.061-1.181
Isopropyl Alcohol	5.45	8.43	0.647	ok	0.647	0.587-0.707
Methylene chloride	6.20	8.43	0.735	ok	0.735	0.675-0.795
Methyl ethyl ketone	7.80	8.43	0.925	ok	0.925	0.865-0.985
Methyl Isobutyl Ketone	11.92	10.35	1.152	ok	1.152	1.092-1.212
Methyl Tert Butyl Ether	7.45	8.43	0.884	ok	0.884	0.824-0.944
Nonane	16.03	14.70	1.090	ok	1.091	1.031-1.151
Pentane	5.78	8.43	0.686	ok	0.685	0.625-0.745
Propylene	3.53	8.43	0.419	ok	0.419	0.359-0.479
Styrene	15.71	14.70	1.069	ok	1.069	1.009-1.129
1,1,1-Trichloroethane	9.55	8.43	1.133	ok	1.133	1.073-1.193
1,1,2,2-Tetrachloroethane	15.81	14.70	1.076	ok	1.076	1.016-1.136
1,1,2-Trichloroethane	12.60	10.35	1.217	ok	1.217	1.157-1.277
1,2,4-Trichlorobenzene	20.32	14.70	1.382	ok	1.383	1.323-1.443
1,2,4-Trimethylbenzene	17.77	14.70	1.209	ok	1.209	1.149-1.269
1,3,5-Trimethylbenzene	17.31	14.70	1.178	ok	1.178	1.118-1.238
2,2,4-Trimethylpentane	11.08	10.35	1.071	ok	1.071	1.011-1.131
Tertiary Butyl Alcohol	6.09	8.43	0.722	ok	0.723	0.663-0.783
Tetrachloroethylene	14.04	14.70	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	8.96	8.43	1.063	ok	1.063	1.003-1.123
Toluene	12.88	10.35	1.244	ok	1.245	1.185-1.305
Trichloroethylene	11.05	10.35	1.068	ok	1.068	1.008-1.128
Trichlorofluoromethane	5.40	8.43	0.641	ok	0.640	0.580-0.700
Vinyl chloride	3.99	8.43	0.473	ok	0.473	0.413-0.533
Vinyl Acetate	7.54	8.43	0.894	ok	0.894	0.834-0.954
m,p-Xylene	15.33	14.70	1.043	ok	1.043	0.983-1.103
o-Xylene	15.83	14.70	1.077	ok	1.077	1.017-1.137

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.43	ok	8.43	8.10-8.76	78900	ok	70239	42143-98335
1,4-Difluorobenzene	10.35	ok	10.35	10.02-10.68	358303	ok	321291	192775-449807
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	293813	ok	275768	165461-386075

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64940
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	
MSQ189-IC189	Q3474.D	05/21/07 17:28	PB	40	GCMSQ	TO-15	
MSQ189-IC189	Q3475.D	05/21/07 18:09	PB	20	GCMSQ	TO-15	
MSQ189-ICC189	Q3476.D	05/21/07 18:52	PB	10	GCMSQ	TO-15	
MSQ189-IC189	Q3477.D	05/21/07 19:34	PB	5	GCMSQ	TO-15	Reporting this level
MSQ189-IC189	Q3478.D	05/21/07 20:17	PB	2	GCMSQ	TO-15	
MSQ189-IC189	Q3479.D	05/21/07 21:00	PB	.5	GCMSQ	TO-15	
MSQ189-IC189	Q3480.D	05/21/07 21:43	PB	.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.20	8.43	0.617	ok	0.617	0.557-0.677
1,3-Butadiene	4.13	8.43	0.490	ok	0.490	0.430-0.550
Benzene	10.02	10.35	0.968	ok	0.968	0.908-1.028
Bromodichloromethane	11.01	10.35	1.064	ok	1.064	1.004-1.124
Bromoform	15.42	14.69	1.050	ok	1.049	0.989-1.109
Bromomethane	4.41	8.43	0.523	ok	0.523	0.463-0.583
Bromoethene	4.96	8.43	0.588	ok	0.588	0.528-0.648
Benzyl Chloride	17.94	14.69	1.221	ok	1.220	1.160-1.280
Carbon disulfide	6.53	8.43	0.775	ok	0.775	0.715-0.835
Chlorobenzene	14.74	14.69	1.003	ok	1.003	0.943-1.063
Chloroethane	4.58	8.43	0.543	ok	0.544	0.484-0.604
Chloroform	8.56	8.43	1.015	ok	1.015	0.955-1.075
Chloromethane	3.77	8.43	0.447	ok	0.447	0.387-0.507
3-Chloropropene	6.33	8.43	0.751	ok	0.751	0.691-0.811
2-Chlorotoluene	17.03	14.69	1.159	ok	1.159	1.099-1.219
Carbon tetrachloride	10.16	8.43	1.205	ok	1.206	1.146-1.266
Cyclohexane	10.29	10.35	0.994	ok	0.994	0.934-1.054
1,1-Dichloroethane	7.40	8.43	0.878	ok	0.878	0.818-0.938
1,1-Dichloroethylene	6.08	8.43	0.721	ok	0.721	0.661-0.781
1,2-Dibromoethane	13.57	14.69	0.924	ok	0.923	0.863-0.983
1,2-Dichloroethane	9.30	8.43	1.103	ok	1.103	1.043-1.163
1,2-Dichloropropane	10.82	10.35	1.045	ok	1.046	0.986-1.106
1,4-Dioxane	11.04	10.35	1.067	ok	1.067	1.007-1.127
Dichlorodifluoromethane	3.60	8.43	0.427	ok	0.427	0.367-0.487
Dibromochloromethane	13.32	14.69	0.907	ok	0.906	0.846-0.966
trans-1,2-Dichloroethylene	7.19	8.43	0.853	ok	0.853	0.793-0.913
cis-1,2-Dichloroethylene	8.26	8.43	0.980	ok	0.980	0.920-1.040
cis-1,3-Dichloropropene	11.90	10.35	1.150	ok	1.150	1.090-1.210
m-Dichlorobenzene	17.96	14.69	1.223	ok	1.222	1.162-1.282
o-Dichlorobenzene	18.42	14.69	1.254	ok	1.253	1.193-1.313
p-Dichlorobenzene	18.03	14.69	1.227	ok	1.227	1.167-1.287
trans-1,3-Dichloropropene	12.41	10.35	1.199	ok	1.200	1.140-1.260
Ethanol	4.68	8.43	0.555	ok	0.556	0.496-0.616
Ethylbenzene	15.13	14.69	1.030	ok	1.029	0.969-1.089
Ethyl Acetate	8.47	8.43	1.005	ok	1.004	0.944-1.064
4-Ethyltoluene	17.23	14.69	1.173	ok	1.172	1.112-1.232
Freon 113	6.47	8.43	0.767	ok	0.768	0.708-0.828
Freon 114	3.87	8.43	0.459	ok	0.459	0.399-0.519
Heptane	11.33	10.35	1.095	ok	1.095	1.035-1.155
Hexachlorobutadiene	20.81	14.69	1.417	ok	1.416	1.356-1.476
Hexane	8.47	8.43	1.005	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64940
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	
MSQ189-IC189	Q3474.D	05/21/07 17:28	PB	40	GCMSQ	TO-15	
MSQ189-IC189	Q3475.D	05/21/07 18:09	PB	20	GCMSQ	TO-15	
MSQ189-ICC189	Q3476.D	05/21/07 18:52	PB	10	GCMSQ	TO-15	
MSQ189-IC189	Q3477.D	05/21/07 19:34	PB	5	GCMSQ	TO-15	Reporting this level
MSQ189-IC189	Q3478.D	05/21/07 20:17	PB	2	GCMSQ	TO-15	
MSQ189-IC189	Q3479.D	05/21/07 21:00	PB	.5	GCMSQ	TO-15	
MSQ189-IC189	Q3480.D	05/21/07 21:43	PB	.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.11	14.69	0.892	ok	0.892	0.832-0.952
Isopropylbenzene	16.48	14.69	1.122	ok	1.121	1.061-1.181
Isopropyl Alcohol	5.45	8.43	0.647	ok	0.647	0.587-0.707
Methylene chloride	6.20	8.43	0.735	ok	0.735	0.675-0.795
Methyl ethyl ketone	7.80	8.43	0.925	ok	0.925	0.865-0.985
Methyl Isobutyl Ketone	11.92	10.35	1.152	ok	1.152	1.092-1.212
Methyl Tert Butyl Ether	7.45	8.43	0.884	ok	0.884	0.824-0.944
Nonane	16.03	14.69	1.091	ok	1.091	1.031-1.151
Pentane	5.78	8.43	0.686	ok	0.685	0.625-0.745
Propylene	3.54	8.43	0.420	ok	0.419	0.359-0.479
Styrene	15.71	14.69	1.069	ok	1.069	1.009-1.129
1,1,1-Trichloroethane	9.55	8.43	1.133	ok	1.133	1.073-1.193
1,1,2,2-Tetrachloroethane	15.82	14.69	1.077	ok	1.076	1.016-1.136
1,1,2-Trichloroethane	12.60	10.35	1.217	ok	1.217	1.157-1.277
1,2,4-Trichlorobenzene	20.33	14.69	1.384	ok	1.383	1.323-1.443
1,2,4-Trimethylbenzene	17.77	14.69	1.210	ok	1.209	1.149-1.269
1,3,5-Trimethylbenzene	17.31	14.69	1.178	ok	1.178	1.118-1.238
2,2,4-Trimethylpentane	11.08	10.35	1.071	ok	1.071	1.011-1.131
Tertiary Butyl Alcohol	6.10	8.43	0.724	ok	0.723	0.663-0.783
Tetrachloroethylene	14.03	14.69	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	8.96	8.43	1.063	ok	1.063	1.003-1.123
Toluene	12.88	10.35	1.244	ok	1.245	1.185-1.305
Trichloroethylene	11.06	10.35	1.069	ok	1.068	1.008-1.128
Trichlorofluoromethane	5.40	8.43	0.641	ok	0.640	0.580-0.700
Vinyl chloride	3.99	8.43	0.473	ok	0.473	0.413-0.533
Vinyl Acetate	7.54	8.43	0.894	ok	0.894	0.834-0.954
m,p-Xylene	15.32	14.69	1.043	ok	1.043	0.983-1.103
o-Xylene	15.83	14.69	1.078	ok	1.077	1.017-1.137

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.43	ok	8.43	8.10-8.76	71655	ok	70239	42143-98335
1,4-Difluorobenzene	10.35	ok	10.35	10.02-10.68	344891	ok	321291	192775-449807
Chlorobenzene-D5	14.69	ok	14.70	14.37-15.03	288502	ok	275768	165461-386075

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64940
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	
MSQ189-IC189	Q3474.D	05/21/07 17:28	PB	40	GCMSQ	TO-15	
MSQ189-IC189	Q3475.D	05/21/07 18:09	PB	20	GCMSQ	TO-15	
MSQ189-ICC189	Q3476.D	05/21/07 18:52	PB	10	GCMSQ	TO-15	
MSQ189-IC189	Q3477.D	05/21/07 19:34	PB	5	GCMSQ	TO-15	
MSQ189-IC189	Q3478.D	05/21/07 20:17	PB	2	GCMSQ	TO-15	Reporting this level
MSQ189-IC189	Q3479.D	05/21/07 21:00	PB	.5	GCMSQ	TO-15	
MSQ189-IC189	Q3480.D	05/21/07 21:43	PB	.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.20	8.43	0.617	ok	0.617	0.557-0.677
1,3-Butadiene	4.13	8.43	0.490	ok	0.490	0.430-0.550
Benzene	10.01	10.35	0.967	ok	0.968	0.908-1.028
Bromodichloromethane	11.01	10.35	1.064	ok	1.064	1.004-1.124
Bromoform	15.42	14.70	1.049	ok	1.049	0.989-1.109
Bromomethane	4.41	8.43	0.523	ok	0.523	0.463-0.583
Bromoethene	4.95	8.43	0.587	ok	0.588	0.528-0.648
Benzyl Chloride	17.93	14.70	1.220	ok	1.220	1.160-1.280
Carbon disulfide	6.54	8.43	0.776	ok	0.775	0.715-0.835
Chlorobenzene	14.74	14.70	1.003	ok	1.003	0.943-1.063
Chloroethane	4.59	8.43	0.544	ok	0.544	0.484-0.604
Chloroform	8.55	8.43	1.014	ok	1.015	0.955-1.075
Chloromethane	3.77	8.43	0.447	ok	0.447	0.387-0.507
3-Chloropropene	6.33	8.43	0.751	ok	0.751	0.691-0.811
2-Chlorotoluene	17.03	14.70	1.159	ok	1.159	1.099-1.219
Carbon tetrachloride	10.16	8.43	1.205	ok	1.206	1.146-1.266
Cyclohexane	10.29	10.35	0.994	ok	0.994	0.934-1.054
1,1-Dichloroethane	7.40	8.43	0.878	ok	0.878	0.818-0.938
1,1-Dichloroethylene	6.08	8.43	0.721	ok	0.721	0.661-0.781
1,2-Dibromoethane	13.57	14.70	0.923	ok	0.923	0.863-0.983
1,2-Dichloroethane	9.30	8.43	1.103	ok	1.103	1.043-1.163
1,2-Dichloropropane	10.83	10.35	1.046	ok	1.046	0.986-1.106
1,4-Dioxane	11.05	10.35	1.068	ok	1.067	1.007-1.127
Dichlorodifluoromethane	3.60	8.43	0.427	ok	0.427	0.367-0.487
Dibromochloromethane	13.32	14.70	0.906	ok	0.906	0.846-0.966
trans-1,2-Dichloroethylene	7.19	8.43	0.853	ok	0.853	0.793-0.913
cis-1,2-Dichloroethylene	8.26	8.43	0.980	ok	0.980	0.920-1.040
cis-1,3-Dichloropropene	11.90	10.35	1.150	ok	1.150	1.090-1.210
m-Dichlorobenzene	17.96	14.70	1.222	ok	1.222	1.162-1.282
o-Dichlorobenzene	18.42	14.70	1.253	ok	1.253	1.193-1.313
p-Dichlorobenzene	18.03	14.70	1.227	ok	1.227	1.167-1.287
trans-1,3-Dichloropropene	12.42	10.35	1.200	ok	1.200	1.140-1.260
Ethanol	4.69	8.43	0.556	ok	0.556	0.496-0.616
Ethylbenzene	15.13	14.70	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.46	8.43	1.004	ok	1.004	0.944-1.064
4-Ethyltoluene	17.22	14.70	1.171	ok	1.172	1.112-1.232
Freon 113	6.48	8.43	0.769	ok	0.768	0.708-0.828
Freon 114	3.87	8.43	0.459	ok	0.459	0.399-0.519
Heptane	11.33	10.35	1.095	ok	1.095	1.035-1.155
Hexachlorobutadiene	20.81	14.70	1.416	ok	1.416	1.356-1.476
Hexane	8.46	8.43	1.004	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64940
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	
MSQ189-IC189	Q3474.D	05/21/07 17:28	PB	40	GCMSQ	TO-15	
MSQ189-IC189	Q3475.D	05/21/07 18:09	PB	20	GCMSQ	TO-15	
MSQ189-ICC189	Q3476.D	05/21/07 18:52	PB	10	GCMSQ	TO-15	
MSQ189-IC189	Q3477.D	05/21/07 19:34	PB	5	GCMSQ	TO-15	
MSQ189-IC189	Q3478.D	05/21/07 20:17	PB	2	GCMSQ	TO-15	Reporting this level
MSQ189-IC189	Q3479.D	05/21/07 21:00	PB	.5	GCMSQ	TO-15	
MSQ189-IC189	Q3480.D	05/21/07 21:43	PB	.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.11	14.70	0.892	ok	0.892	0.832-0.952
Isopropylbenzene	16.48	14.70	1.121	ok	1.121	1.061-1.181
Isopropyl Alcohol	5.46	8.43	0.648	ok	0.647	0.587-0.707
Methylene chloride	6.20	8.43	0.735	ok	0.735	0.675-0.795
Methyl ethyl ketone	7.80	8.43	0.925	ok	0.925	0.865-0.985
Methyl Isobutyl Ketone	11.92	10.35	1.152	ok	1.152	1.092-1.212
Methyl Tert Butyl Ether	7.45	8.43	0.884	ok	0.884	0.824-0.944
Nonane	16.03	14.70	1.090	ok	1.091	1.031-1.151
Pentane	5.78	8.43	0.686	ok	0.685	0.625-0.745
Propylene	3.53	8.43	0.419	ok	0.419	0.359-0.479
Styrene	15.71	14.70	1.069	ok	1.069	1.009-1.129
1,1,1-Trichloroethane	9.55	8.43	1.133	ok	1.133	1.073-1.193
1,1,2,2-Tetrachloroethane	15.82	14.70	1.076	ok	1.076	1.016-1.136
1,1,2-Trichloroethane	12.60	10.35	1.217	ok	1.217	1.157-1.277
1,2,4-Trichlorobenzene	20.32	14.70	1.382	ok	1.383	1.323-1.443
1,2,4-Trimethylbenzene	17.78	14.70	1.210	ok	1.209	1.149-1.269
1,3,5-Trimethylbenzene	17.31	14.70	1.178	ok	1.178	1.118-1.238
2,2,4-Trimethylpentane	11.08	10.35	1.071	ok	1.071	1.011-1.131
Tertiary Butyl Alcohol	6.10	8.43	0.724	ok	0.723	0.663-0.783
Tetrachloroethylene	14.03	14.70	0.954	ok	0.955	0.895-1.015
Tetrahydrofuran	8.96	8.43	1.063	ok	1.063	1.003-1.123
Toluene	12.89	10.35	1.245	ok	1.245	1.185-1.305
Trichloroethylene	11.05	10.35	1.068	ok	1.068	1.008-1.128
Trichlorofluoromethane	5.40	8.43	0.641	ok	0.640	0.580-0.700
Vinyl chloride	3.99	8.43	0.473	ok	0.473	0.413-0.533
Vinyl Acetate	7.54	8.43	0.894	ok	0.894	0.834-0.954
m,p-Xylene	15.31	14.70	1.041	ok	1.043	0.983-1.103
o-Xylene	15.83	14.70	1.077	ok	1.077	1.017-1.137

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.43	ok	8.43	8.10-8.76	65307	ok	70239	42143-98335
1,4-Difluorobenzene	10.35	ok	10.35	10.02-10.68	269535	ok	321291	192775-449807
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	228997	ok	275768	165461-386075

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64940
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	
MSQ189-IC189	Q3474.D	05/21/07 17:28	PB	40	GCMSQ	TO-15	
MSQ189-IC189	Q3475.D	05/21/07 18:09	PB	20	GCMSQ	TO-15	
MSQ189-ICC189	Q3476.D	05/21/07 18:52	PB	10	GCMSQ	TO-15	
MSQ189-IC189	Q3477.D	05/21/07 19:34	PB	5	GCMSQ	TO-15	
MSQ189-IC189	Q3478.D	05/21/07 20:17	PB	2	GCMSQ	TO-15	
MSQ189-IC189	Q3479.D	05/21/07 21:00	PB	.5	GCMSQ	TO-15	Reporting this level
MSQ189-IC189	Q3480.D	05/21/07 21:43	PB	.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.21	8.43	0.618	ok	0.617	0.557-0.677
1,3-Butadiene	4.13	8.43	0.490	ok	0.490	0.430-0.550
Benzene	10.01	10.34	0.968	ok	0.968	0.908-1.028
Bromodichloromethane	11.01	10.34	1.065	ok	1.064	1.004-1.124
Bromoform	15.42	14.70	1.049	ok	1.049	0.989-1.109
Bromomethane	4.41	8.43	0.523	ok	0.523	0.463-0.583
Bromoethene	4.95	8.43	0.587	ok	0.588	0.528-0.648
Benzyl Chloride	17.94	14.70	1.220	ok	1.220	1.160-1.280
Carbon disulfide	6.53	8.43	0.775	ok	0.775	0.715-0.835
Chlorobenzene	14.74	14.70	1.003	ok	1.003	0.943-1.063
Chloroethane	4.59	8.43	0.544	ok	0.544	0.484-0.604
Chloroform	8.55	8.43	1.014	ok	1.015	0.955-1.075
Chloromethane	3.77	8.43	0.447	ok	0.447	0.387-0.507
3-Chloropropene	6.33	8.43	0.751	ok	0.751	0.691-0.811
2-Chlorotoluene	17.03	14.70	1.159	ok	1.159	1.099-1.219
Carbon tetrachloride	10.16	8.43	1.205	ok	1.206	1.146-1.266
Cyclohexane	10.29	10.34	0.995	ok	0.994	0.934-1.054
1,1-Dichloroethane	7.39	8.43	0.877	ok	0.878	0.818-0.938
1,1-Dichloroethylene	6.08	8.43	0.721	ok	0.721	0.661-0.781
1,2-Dibromoethane	13.57	14.70	0.923	ok	0.923	0.863-0.983
1,2-Dichloroethane	9.30	8.43	1.103	ok	1.103	1.043-1.163
1,2-Dichloropropane	10.81	10.34	1.045	ok	1.046	0.986-1.106
1,4-Dioxane	11.05	10.34	1.069	ok	1.067	1.007-1.127
Dichlorodifluoromethane	3.60	8.43	0.427	ok	0.427	0.367-0.487
Dibromochloromethane	13.31	14.70	0.905	ok	0.906	0.846-0.966
trans-1,2-Dichloroethylene	7.18	8.43	0.852	ok	0.853	0.793-0.913
cis-1,2-Dichloroethylene	8.26	8.43	0.980	ok	0.980	0.920-1.040
cis-1,3-Dichloropropene	11.90	10.34	1.151	ok	1.150	1.090-1.210
m-Dichlorobenzene	17.96	14.70	1.222	ok	1.222	1.162-1.282
o-Dichlorobenzene	18.42	14.70	1.253	ok	1.253	1.193-1.313
p-Dichlorobenzene	18.04	14.70	1.227	ok	1.227	1.167-1.287
trans-1,3-Dichloropropene	12.41	10.34	1.200	ok	1.200	1.140-1.260
Ethanol	4.69	8.43	0.556	ok	0.556	0.496-0.616
Ethylbenzene	15.13	14.70	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.47	8.43	1.005	ok	1.004	0.944-1.064
4-Ethyltoluene	17.22	14.70	1.171	ok	1.172	1.112-1.232
Freon 113	6.48	8.43	0.769	ok	0.768	0.708-0.828
Freon 114	3.87	8.43	0.459	ok	0.459	0.399-0.519
Heptane	11.33	10.34	1.096	ok	1.095	1.035-1.155
Hexachlorobutadiene	20.81	14.70	1.416	ok	1.416	1.356-1.476
Hexane	8.46	8.43	1.004	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64940
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	
MSQ189-IC189	Q3474.D	05/21/07 17:28	PB	40	GCMSQ	TO-15	
MSQ189-IC189	Q3475.D	05/21/07 18:09	PB	20	GCMSQ	TO-15	
MSQ189-ICC189	Q3476.D	05/21/07 18:52	PB	10	GCMSQ	TO-15	
MSQ189-IC189	Q3477.D	05/21/07 19:34	PB	5	GCMSQ	TO-15	
MSQ189-IC189	Q3478.D	05/21/07 20:17	PB	2	GCMSQ	TO-15	
MSQ189-IC189	Q3479.D	05/21/07 21:00	PB	.5	GCMSQ	TO-15	Reporting this level
MSQ189-IC189	Q3480.D	05/21/07 21:43	PB	.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.12	14.70	0.893	ok	0.892	0.832-0.952
Isopropylbenzene	16.47	14.70	1.120	ok	1.121	1.061-1.181
Isopropyl Alcohol	5.46	8.43	0.648	ok	0.647	0.587-0.707
Methylene chloride	6.20	8.43	0.735	ok	0.735	0.675-0.795
Methyl ethyl ketone	7.80	8.43	0.925	ok	0.925	0.865-0.985
Methyl Isobutyl Ketone	11.92	10.34	1.153	ok	1.152	1.092-1.212
Methyl Tert Butyl Ether	7.45	8.43	0.884	ok	0.884	0.824-0.944
Nonane	16.04	14.70	1.091	ok	1.091	1.031-1.151
Pentane	5.77	8.43	0.684	ok	0.685	0.625-0.745
Propylene	3.53	8.43	0.419	ok	0.419	0.359-0.479
Styrene	15.71	14.70	1.069	ok	1.069	1.009-1.129
1,1,1-Trichloroethane	9.55	8.43	1.133	ok	1.133	1.073-1.193
1,1,2,2-Tetrachloroethane	15.81	14.70	1.076	ok	1.076	1.016-1.136
1,1,2-Trichloroethane	12.60	10.34	1.219	ok	1.217	1.157-1.277
1,2,4-Trichlorobenzene	20.32	14.70	1.382	ok	1.383	1.323-1.443
1,2,4-Trimethylbenzene	17.78	14.70	1.210	ok	1.209	1.149-1.269
1,3,5-Trimethylbenzene	17.31	14.70	1.178	ok	1.178	1.118-1.238
2,2,4-Trimethylpentane	11.08	10.34	1.072	ok	1.071	1.011-1.131
Tertiary Butyl Alcohol	6.11	8.43	0.725	ok	0.723	0.663-0.783
Tetrachloroethylene	14.04	14.70	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	8.98	8.43	1.065	ok	1.063	1.003-1.123
Toluene	12.88	10.34	1.246	ok	1.245	1.185-1.305
Trichloroethylene	11.05	10.34	1.069	ok	1.068	1.008-1.128
Trichlorofluoromethane	5.40	8.43	0.641	ok	0.640	0.580-0.700
Vinyl chloride	4.00	8.43	0.474	ok	0.473	0.413-0.533
Vinyl Acetate	7.54	8.43	0.894	ok	0.894	0.834-0.954
m,p-Xylene	15.33	14.70	1.043	ok	1.043	0.983-1.103
o-Xylene	15.83	14.70	1.077	ok	1.077	1.017-1.137

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.43	ok	8.43	8.10-8.76	66653	ok	70239	42143-98335
1,4-Difluorobenzene	10.34	ok	10.35	10.02-10.68	314660	ok	321291	192775-449807
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	268589	ok	275768	165461-386075

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64940
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	
MSQ189-IC189	Q3474.D	05/21/07 17:28	PB	40	GCMSQ	TO-15	
MSQ189-IC189	Q3475.D	05/21/07 18:09	PB	20	GCMSQ	TO-15	
MSQ189-ICC189	Q3476.D	05/21/07 18:52	PB	10	GCMSQ	TO-15	
MSQ189-IC189	Q3477.D	05/21/07 19:34	PB	5	GCMSQ	TO-15	
MSQ189-IC189	Q3478.D	05/21/07 20:17	PB	2	GCMSQ	TO-15	
MSQ189-IC189	Q3479.D	05/21/07 21:00	PB	.5	GCMSQ	TO-15	
MSQ189-IC189	Q3480.D	05/21/07 21:43	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	5.21	8.43	0.618	ok	0.617	0.557-0.677
1,3-Butadiene	4.13	8.43	0.490	ok	0.490	0.430-0.550
Benzene	10.01	10.35	0.967	ok	0.968	0.908-1.028
Bromodichloromethane	11.01	10.35	1.064	ok	1.064	1.004-1.124
Bromomethane	4.40	8.43	0.522	ok	0.523	0.463-0.583
Bromoethene	4.96	8.43	0.588	ok	0.588	0.528-0.648
Benzyl Chloride	17.94	14.70	1.220	ok	1.220	1.160-1.280
Carbon disulfide	6.53	8.43	0.775	ok	0.775	0.715-0.835
Chloroethane	4.59	8.43	0.544	ok	0.544	0.484-0.604
Chloroform	8.56	8.43	1.015	ok	1.015	0.955-1.075
Chloromethane	3.77	8.43	0.447	ok	0.447	0.387-0.507
3-Chloropropene	6.33	8.43	0.751	ok	0.751	0.691-0.811
2-Chlorotoluene	17.03	14.70	1.159	ok	1.159	1.099-1.219
Carbon tetrachloride	10.17	8.43	1.206	ok	1.206	1.146-1.266
1,1-Dichloroethane	7.40	8.43	0.878	ok	0.878	0.818-0.938
1,1-Dichloroethylene	6.07	8.43	0.720	ok	0.721	0.661-0.781
1,2-Dibromoethane	13.57	14.70	0.923	ok	0.923	0.863-0.983
1,2-Dichloroethane	9.30	8.43	1.103	ok	1.103	1.043-1.163
1,2-Dichloropropane	10.82	10.35	1.045	ok	1.046	0.986-1.106
Dichlorodifluoromethane	3.61	8.43	0.428	ok	0.427	0.367-0.487
Dibromochloromethane	13.31	14.70	0.905	ok	0.906	0.846-0.966
trans-1,2-Dichloroethylene	7.20	8.43	0.854	ok	0.853	0.793-0.913
cis-1,2-Dichloroethylene	8.27	8.43	0.981	ok	0.980	0.920-1.040
m-Dichlorobenzene	17.96	14.70	1.222	ok	1.222	1.162-1.282
o-Dichlorobenzene	18.42	14.70	1.253	ok	1.253	1.193-1.313
p-Dichlorobenzene	18.03	14.70	1.227	ok	1.227	1.167-1.287
4-Ethyltoluene	17.22	14.70	1.171	ok	1.172	1.112-1.232
Freon 113	6.47	8.43	0.767	ok	0.768	0.708-0.828
Freon 114	3.87	8.43	0.459	ok	0.459	0.399-0.519
Heptane	11.32	10.35	1.094	ok	1.095	1.035-1.155
Hexachlorobutadiene	20.81	14.70	1.416	ok	1.416	1.356-1.476
Isopropylbenzene	16.47	14.70	1.120	ok	1.121	1.061-1.181
Isopropyl Alcohol	5.46	8.43	0.648	ok	0.647	0.587-0.707
Methylene chloride	6.20	8.43	0.735	ok	0.735	0.675-0.795
Methyl Tert Butyl Ether	7.46	8.43	0.885	ok	0.884	0.824-0.944
Pentane	5.77	8.43	0.684	ok	0.685	0.625-0.745
1,1,1-Trichloroethane	9.55	8.43	1.133	ok	1.133	1.073-1.193
1,1,2,2-Tetrachloroethane	15.82	14.70	1.076	ok	1.076	1.016-1.136
1,1,2-Trichloroethane	12.58	10.35	1.215	ok	1.217	1.157-1.277
1,2,4-Trichlorobenzene	20.33	14.70	1.383	ok	1.383	1.323-1.443
1,2,4-Trimethylbenzene	17.78	14.70	1.210	ok	1.209	1.149-1.269

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64940
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	
MSQ189-IC189	Q3474.D	05/21/07 17:28	PB	40	GCMSQ	TO-15	
MSQ189-IC189	Q3475.D	05/21/07 18:09	PB	20	GCMSQ	TO-15	
MSQ189-ICC189	Q3476.D	05/21/07 18:52	PB	10	GCMSQ	TO-15	
MSQ189-IC189	Q3477.D	05/21/07 19:34	PB	5	GCMSQ	TO-15	
MSQ189-IC189	Q3478.D	05/21/07 20:17	PB	2	GCMSQ	TO-15	
MSQ189-IC189	Q3479.D	05/21/07 21:00	PB	.5	GCMSQ	TO-15	
MSQ189-IC189	Q3480.D	05/21/07 21:43	PB	.2	GCMSQ	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
1,3,5-Trimethylbenzene	17.31	14.70	1.178	ok	1.178	1.118-1.238
2,2,4-Trimethylpentane	11.08	10.35	1.071	ok	1.071	1.011-1.131
Tertiary Butyl Alcohol	6.10	8.43	0.724	ok	0.723	0.663-0.783
Tetrachloroethylene	14.03	14.70	0.954	ok	0.955	0.895-1.015
Toluene	12.88	10.35	1.244	ok	1.245	1.185-1.305
Trichloroethylene	11.06	10.35	1.069	ok	1.068	1.008-1.128
Trichlorofluoromethane	5.40	8.43	0.641	ok	0.640	0.580-0.700
Vinyl chloride	3.99	8.43	0.473	ok	0.473	0.413-0.533
Vinyl Acetate	7.53	8.43	0.893	ok	0.894	0.834-0.954

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.43	ok	8.43	8.10-8.76	48618	ok	70239	42143-98335
1,4-Difluorobenzene	10.35	ok	10.35	10.02-10.68	225306	ok	321291	192775-449807
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	206831	ok	275768	165461-386075

Volatile Surrogate Recovery Summary

Job Number: M64940
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
M64940-1	Q3465.D	77.0
M64940-2	Q3466.D	80.0
M64940-3	Q3467.D	78.0
M64940-4	Q3468.D	78.0
M64940-5	Q3469.D	83.0
M64940-6	Q3470.D	80.0
M64940-7	Q3499.D	89.0
M64940-8	Q3464.D	82.0
M64901-1DUP	Q3457.D	81.0
M64940-7DUP	Q3500.D	91.0
MSJ537-SCC	J10369A.D	97.0
MSJ537-SCC	J10373.D	89.0
MSJ537-SCC	J10370.D	97.0
MSJ537-SCC	J10371.D	91.0
MSJ537-SCC	J10372.D	93.0
MSQ186-SCC	Q3398A.D	86.0
MSQ186-SCC	Q3400.D	84.0
MSQ186-SCC	Q3401.D	82.0
MSQ188-BS	Q3453A.D	100.0
MSQ188-MB	Q3455.D	78.0
MSQ190-BS	Q3491A.D	103.0
MSQ190-MB	Q3492.D	91.0
MSJ537-BS	J10368.D	109.0
MSJ537-MB	J10369.D	97.0
MSQ186-BS	Q3396A.D	105.0
MSQ186-MB	Q3398.D	86.0

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

Initial Calibration Summary

Job Number: M64940 **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: M64940 **Sample:** MSJ533-ICC533
Account: GEI GEI Consultants, Inc. **Lab FileID:** J10281.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

```
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: M64940 **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
```

Initial Calibration Verification

Job Number: M64940 **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: M64940 **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: M64940 **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: M64940 **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: M64940 **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: M64940 **Sample:** MSJ537-CC533
Account: GEI GEI Consultants, Inc. **Lab FileID:** J10367.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

```
            ----------------------- 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: M64940 **Sample:** MSQ185-ICC185
Account: GEI GEI Consultants, Inc. **Lab FileID:** Q3393.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Response Factor Report MAMSQ

Method : C:\msdchem\1\METHODS\Q051507T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Wed May 16 11:12:42 2007
Response via : Initial Calibration

Calibration Files
.2 =Q3389.D .5 =Q3394.D 2 =Q3387.D
5 =Q3391.D 10 =Q3393.D 20 =Q3392.D 40 =Q3390.D

Compound	.2	.5	2	5	10	20	40	Avg	%RSD
1) I BROMOCHLOROMETHANE	----------ISTD----------								
2)m DICHLORODIFLUOROM	0.773	1.270	0.848	0.791	0.855	0.670	0.638	0.835 E1	24.99
3)m PROPYLENE	2.938	4.605	2.553	2.952	3.111	2.587	1.960	2.958	27.71
4)m FREON 114	0.746	1.286	0.848	0.827	0.898	0.716	0.613	0.847 E1	25.39
5)m CHLOROMETHANE	3.313	5.986	3.338	3.763	3.975	3.208	2.509	3.727	29.47
6)m VINYL CHLORIDE	2.715	4.871	2.950	3.066	3.273	2.597	2.115	3.084	28.27
7)m 1,3-BUTADIENE	3.302	4.706	2.501	3.089	3.179	2.813	2.452	3.149	24.16
8)m BROMOMETHANE	2.062	4.396	2.737	2.629	2.846	2.111	1.875	2.665	31.88
----- Quadratic regression ----- Coefficient = 0.9949									
Response Ratio = 0.08955 + 2.55861 *A + -0.17925 *A^2									
9)m CHLOROETHANE	1.074	2.018	1.266	1.350	1.427	1.086	0.941	1.309	27.21
10)m TRICHLOROFLUOROME	0.849	1.397	0.872	0.883	0.937	0.722	0.768	0.918 E1	24.33
11)m ISOPROPYL ALCOHOL	8.783	7.472	4.295	5.540	5.437	5.048	4.494	5.867	28.18
12)m ACETONE		7.620	4.260	5.154	5.186	4.818	4.272	5.219	23.85
13)m PENTANE	3.217	3.892	2.313	2.857	2.714	2.657	2.241	2.842	19.99
14)m 1,1-DICHLOROETHYL	2.082	3.846	2.323	2.375	2.535	1.959	2.034	2.451	26.49
15)m CARBON DISULFIDE	5.378	8.319	5.673	5.874	6.095	5.047	5.209	5.942	18.70
16)m ETHANOL		1.862	0.977	1.169	1.198	1.070	0.928	1.201	28.36
17)m BROMOETHENE	2.216	4.402	2.764	2.623	2.885	2.054	1.967	2.702	30.72
----- Quadratic regression ----- Coefficient = 0.9923									
Response Ratio = 0.12263 + 2.41104 *A + -0.12225 *A^2									
18)m METHYLENE CHLORID	4.428	4.766	2.596	2.082	2.222	1.708	1.693	2.785	45.93
----- Linear regression (equal Weighting)----- Coefficient = 0.9951									
Response Ratio = 0.21020 + 1.65099 *A									
19)m 3-CHLOROPROPENE	2.501	4.164	1.825	2.157	2.101	1.980	1.937	2.381	34.24
----- Linear regression (equal Weighting)----- Coefficient = 0.9994									
Response Ratio = 0.07615 + 1.92765 *A									
20)m FREON 113	4.486	3.632	4.469	4.596	4.950	3.817	4.336	4.327	10.55
21)m TRANS-1,2-DICHLOR	2.062	2.021	2.134	2.224	2.358	1.957	2.106	2.123	6.30
22)m TERTIARY BUTYL AL	5.250	7.137	4.842	5.445	5.420	4.763	3.764	5.232	19.49
23)m METHYL TERTIARY B	5.068	4.977	4.683	4.971	5.255	4.419	4.837	4.887	5.58
24)m TETRAHYDROFURAN	2.899	2.727	3.594	3.041	2.843	2.823	3.171	3.014	9.80
25)m HEXANE	3.491	3.641	3.661	3.155	2.756	2.832	3.488	3.289	11.47
26)m VINYL ACETATE	5.091	5.977	7.927	4.773	4.898	4.500	4.693	5.409	22.35
27)m 1,1-DICHLOROETHAN	4.159	4.773	4.619	4.298	4.459	3.731	3.951	4.284	8.60
28)m METHYL ETHYL KETO	6.853	5.353	6.865	5.760	5.791	5.184	6.079	5.984	11.14
29)m cis-1,2-DICHLOROE	1.276	2.087	1.861	1.605	1.349	1.514	1.599	1.613	17.52
30)m ETHYL ACETATE	1.041	0.902	1.100	0.949	0.899	0.878	1.077	0.978 E1	9.47
31)m CHLOROFORM	4.953	5.589	5.072	3.929	4.047	3.634	4.527	4.536	15.56
32)m 1,1,1-TRICHLOROET	4.322	6.092	4.961	3.841	4.379	3.567	4.822	4.569	18.25
33)m CARBON TETRACHLOR	4.468	6.554	5.215	4.379	4.881	3.980	5.598	5.011	17.36
34)m 1,2-DICHLOROETHAN	3.659	4.474	4.052	3.075	3.649	2.852	3.853	3.659	15.17

Initial Calibration Summary

Job Number: M64940 **Sample:** MSQ185-ICC185
Account: GEI GEI Consultants, Inc. **Lab FileID:** Q3393.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

```
35) I   1,4-DIFLUOROBENZENE   ----------------ISTD---------------------
36)m BENZENE           0.938 1.231 1.149 1.179 0.830 0.945 1.001 1.039  14.32
37)m CYCLOHEXANE       0.247 0.462 0.400 0.344 0.295 0.331 0.358 0.348  19.97
38)m TRICHLOROETHYLENE 0.392 0.731 0.589 0.548 0.481 0.551 0.674 0.566  20.05
39)m 1,2-DICHLOROPROPA 0.439 0.560 0.561 0.521 0.417 0.486 0.480 0.495  11.31
40)m BROMODICHLOROMETH 0.800 1.186 0.980 0.970 0.865 0.924 1.023 0.964  12.79
41)m 2,2,4-TRIMETHYLPE 1.902 2.623 2.679 2.539 2.036 2.482 2.726 2.427  13.40
42)m 1,4-DIOXANE       0.177 0.180 0.204 0.185 0.159 0.191 0.226 0.189  11.28
43)m HEPTANE           0.743 1.015 1.146 1.176 0.932 1.127 1.126 1.038  14.99
44)m METHYL ISOBUTYL K 1.064 1.315 1.554 1.725 1.363 1.673 1.751 1.492  17.07
45)m cis-1,3-DICHLOROP 0.465 0.707 0.702 0.685 0.592 0.688 0.774 0.659  15.33
46)m TOLUENE           0.455 0.816 0.766 0.694 0.588 0.702 0.788 0.687  18.49
47)m trans-1,3-DICHLOR 0.334 0.637 0.599 0.597 0.529 0.593 0.675 0.566  19.75
48)m 1,1,2-TRICHLOROET 0.343 0.478 0.463 0.432 0.339 0.413 0.444 0.416  13.28

49) I   CHLOROBENZENE-D5      ----------------ISTD---------------------
50)m 2-HEXANONE        1.402 1.036 1.431 1.617 1.293 1.530 1.599 1.415  14.32
51)m TETRACHLOROETHYLE 0.258 0.635 0.424 0.365 0.354 0.391 0.554 0.426  30.04
         ----- Quadratic regression -----  Coefficient =  0.9995
              Response Ratio = 0.02490 + 0.23376 *A + 0.07833 *A^2

52)m DIBROMOCHLOROMETH 0.729 1.355 0.973 0.897 0.858 0.934 1.211 0.994  21.73
53)m 1,2-DIBROMOETHANE 0.688 1.159 0.903 0.834 0.714 0.821 0.929 0.864  18.25
54)m CHLOROBENZENE     0.846 1.428 1.153 1.002 0.865 0.993 1.124 1.059  18.89
55)m ETHYLBENZENE      1.375 2.259 2.001 1.854 1.609 1.893 2.024 1.859  15.61
56)m m,p-XYLENE        0.447 0.836 0.692 0.660 0.567 0.718 0.864 0.683  21.33
57)m o-XYLENE          0.496 0.821 0.681 0.699 0.574 0.802 0.874 0.706  19.41
58)m STYRENE           0.450 0.932 0.954 0.953 0.795 1.043 1.064 0.884  23.81
59)m NONANE            1.532 1.966 1.991 2.230 1.590 2.179 1.659 1.878  15.14
60)m BROMOFORM         0.540 0.958 0.699 0.677 0.685 0.797 1.113 0.781  24.91
61)S 4-BROMOFLUOROBENZ 0.843 0.756 0.797 0.887 0.888 0.972 0.874 0.859   8.14
62)m 1,1,2,2-TETRACHLO 1.378 0.987 1.207 1.342 1.004 1.521 1.330 1.253  15.83
63)m ISOPROPYLBENZENE  1.578 2.468 2.023 2.075 1.755 2.255 2.201 2.051  14.77
64)m 2-CHLOROTOLUENE   1.332 1.866 1.574 1.625 1.423 1.792 1.593 1.601  11.74
65)m 4-ETHYLTOLUENE    1.367 1.934 1.760 1.848 1.594 2.083 2.044 1.804  14.15
66)m 1,3,5-TRIMETHYLBE 1.545 1.888 1.630 1.705 1.531 1.972 1.965 1.748  10.99
67)m 1,2,4-TRIMETHYLBE 1.458 1.561 1.508 1.642 1.565 1.958 1.899 1.656  11.79
68)m m-DICHLOROBENZENE 0.882 0.864 0.833 0.936 0.884 1.107 1.274 0.969  16.73
69)m BENZYL CHLORIDE   1.081 0.593 0.995 1.222 1.163 1.456 1.376 1.127  25.24
70)m p-DICHLOROBENZENE 0.666 0.805 0.824 0.876 0.852 1.027 1.197 0.893  19.24
71)m o-DICHLOROBENZENE 1.086 0.602 0.680 0.809 0.824 0.989 1.080 0.867  22.00
72)m HEXACHLOROBUTADIE 1.064 0.199 0.128 0.158 0.256 0.337       0.357  99.12
         ----- Quadratic regression -----  Coefficient =  0.9974
              Response Ratio = 0.00387 + 0.13548 *A + 0.10075 *A^2

73)m 1,2,4-TRICHLOROBE 0.316 0.181 0.129 0.133 0.138 0.192       0.181  39.09
         ----- Quadratic regression -----  Coefficient =  0.9995
              Response Ratio = 0.00614 + 0.08311 *A + 0.05273 *A^2

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

          Q051507T.m        Wed May 16 11:12:57 2007   RPT1
```

Initial Calibration Verification

Job Number: M64940 **Sample:** MSQ185-ICV185
Account: GEI GEI Consultants, Inc. **Lab FileID:** Q3395.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\Q3395.D Vial: 3
Acq On : 16 May 2007 11:30 am Operator: PhilipB
Sample : ICV185-10 (M068) Inst : MAMSQ
Misc : MS13535,MSQ185,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\msdchem\1\METHODS\Q051507T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Wed May 16 11:12:42 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	8.22- 8.63
2 m	DICHLORODIFLUOROMETHAN	8.349	8.318	0.4	115	0.00	3.39- 3.80
3 m	PROPYLENE	2.958	3.027	-2.3	115	0.00	3.31- 3.72
4 m	FREON 114	8.475	8.740	-3.1	115	0.00	3.65- 4.06
5 m	CHLOROMETHANE	3.727	3.841	-3.1	114	0.00	3.55- 3.96
6 m	VINYL CHLORIDE	3.084	3.193	-3.5	115	0.00	3.77- 4.19
7 m	1,3-BUTADIENE	3.149	3.086	2.0	115	0.00	3.91- 4.32
		True	Calc.	% Drift			
8 m	BROMOMETHANE	10.000	11.420	-14.2	115	0.00	4.19- 4.60
		AvgRF	CCRF	% Dev			
9 m	CHLOROETHANE	1.309	1.344	-2.7	111	0.00	4.36- 4.78
10 m	TRICHLOROFLUOROMETHANE	9.183	8.892	3.2	112	0.00	5.18- 5.59
11 m	ISOPROPYL ALCOHOL	5.867	4.847	17.4	105	0.00	5.20- 5.68
12 m	ACETONE	5.219	4.981	4.6	114	0.00	4.98- 5.39
13 m	PENTANE	2.842	2.408	15.3	105	0.00	5.61- 5.92
14 m	1,1-DICHLOROETHYLENE	2.451	2.416	1.4	113	0.00	5.86- 6.27
15 m	CARBON DISULFIDE	5.942	4.885	17.8	95	0.00	6.32- 6.73
16 m	ETHANOL	1.201	1.078	10.2	106	0.00	4.44- 4.90
		True	Calc.	% Drift			
17 m	BROMOETHENE	10.000	11.683	-16.8	114	0.00	4.73- 5.14
18 m	METHYLENE CHLORIDE	10.000	10.398	-4.0	103	0.00	6.04- 6.34
19 m	3-CHLOROPROPENE	10.000	7.807	21.9	89	0.00	6.11- 6.53
		AvgRF	CCRF	% Dev			
20 m	FREON 113	4.327	4.235	2.1	101	0.00	6.26- 6.67
21 m	TRANS-1,2-DICHLOROETHY	2.123	1.971	7.2	99	0.00	6.98- 7.39
22 m	TERTIARY BUTYL ALCOHOL	5.232	4.931	5.8	108	0.00	5.83- 6.35
23 m	METHYL TERTIARY BUTYL	4.887	4.566	6.6	103	0.00	7.24- 7.65
24 m	TETRAHYDROFURAN	3.014	2.499	17.1	104	0.00	8.81- 9.10
25 m	HEXANE	3.289	2.640	19.7	113	0.00	8.25- 8.66
26 m	VINYL ACETATE	5.409	4.004	26.0	97	0.00	7.36- 7.71
27 m	1,1-DICHLOROETHANE	4.284	3.674	14.2	97	0.00	7.18- 7.60
28 m	METHYL ETHYL KETONE	5.984	5.883	1.7	120	0.00	7.55- 8.03
29 m	cis-1,2-DICHLOROETHYLE	1.613	1.436	11.0	126	0.00	8.04- 8.45
30 m	ETHYL ACETATE	9.780	7.884	19.4	104	0.00	8.25- 8.67
31 m	CHLOROFORM	4.536	3.958	12.7	116	0.00	8.35- 8.76
32 m	1,1,1-TRICHLOROETHANE	4.569	4.524	1.0	122	0.00	9.34- 9.76
33 m	CARBON TETRACHLORIDE	5.011	5.116	-2.1	124	0.00	9.95-10.36
34 m	1,2-DICHLOROETHANE	3.659	3.579	2.2	116	0.00	9.09- 9.50

Initial Calibration Verification

Job Number: M64940 **Sample:** MSQ185-ICV185
Account: GEI GEI Consultants, Inc. **Lab FileID:** Q3395.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

35	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	118	0.00	10.14-10.55
36	m	BENZENE	1.039	0.847	18.5	121	0.00	9.81-10.22
37	m	CYCLOHEXANE	0.348	0.325	6.6	130	0.00	10.08-10.49
38	m	TRICHLOROETHYLENE	0.566	0.496	12.4	122	0.00	10.89-11.20
39	m	1,2-DICHLOROPROPANE	0.495	0.388	21.6	110	0.00	10.61-11.02
40	m	BROMODICHLOROMETHANE	0.964	0.867	10.1	119	0.00	10.86-11.17
41	m	2,2,4-TRIMETHYLPENTANE	2.427	1.849	23.8	108	0.00	10.87-11.28
42	m	1,4-DIOXANE	0.189	0.162	14.3	121	0.00	10.78-11.30
43	m	HEPTANE	1.038	0.804	22.5	102	0.00	11.17-11.48
44	m	METHYL ISOBUTYL KETONE	1.492	1.101	26.2	96	0.00	11.70-12.14
45	m	cis-1,3-DICHLOROPROPEN	0.659	0.536	18.7	107	0.00	11.69-12.10
46	m	TOLUENE	0.687	0.603	12.2	122	0.00	12.68-13.09
47	m	trans-1,3-DICHLOROPROP	0.566	0.566	0.0	127	0.00	12.26-12.57
48	m	1,1,2-TRICHLOROETHANE	0.416	0.328	21.2	115	0.00	12.42-12.78
49	I	CHLOROBENZENE-D5	1.000	1.000	0.0	109	0.00	14.54-14.85
50	m	2-HEXANONE	1.415	1.150	18.7	97	0.00	12.92-13.32
			True	Calc.	% Drift			
51	m	TETRACHLOROETHYLENE	10.000	12.345	-23.5	134	0.00	13.83-14.24
			AvgRF	CCRF	% Dev			
52	m	DIBROMOCHLOROMETHANE	0.994	1.022	-2.8	130	0.00	13.14-13.50
53	m	1,2-DIBROMOETHANE	0.864	0.797	7.8	122	0.00	13.42-13.73
54	m	CHLOROBENZENE	1.059	0.979	7.6	124	0.00	14.59-14.90
55	m	ETHYLBENZENE	1.859	1.727	7.1	117	0.00	14.95-15.31
56	m	m,p-XYLENE	0.683	0.627	8.2	121	0.00	15.15-15.51
57	m	o-XYLENE	0.706	0.640	9.3	122	0.00	15.65-16.01
58	m	STYRENE	0.884	0.911	-3.1	125	0.00	15.55-15.86
59	m	NONANE	1.878	1.465	22.0	101	0.00	15.88-16.19
60	m	BROMOFORM	0.781	0.869	-11.3	139	0.00	15.27-15.58
61	S	4-BROMOFLUOROBENZENE	0.859	0.873	-1.6	107	0.00	16.18-16.49
62	m	1,1,2,2-TETRACHLOROETH	1.253	1.052	16.0	114	0.00	15.67-15.98
63	m	ISOPROPYLBENZENE	2.051	1.913	6.7	119	0.00	16.32-16.63
64	m	2-CHLOROTOLUENE	1.601	1.485	7.2	114	0.00	16.82-17.24
65	m	4-ETHYLTOLUENE	1.804	1.855	-2.8	127	0.00	17.09-17.36
66	m	1,3,5-TRIMETHYLBENZENE	1.748	1.695	3.0	121	0.00	17.18-17.44
67	m	1,2,4-TRIMETHYLBENZENE	1.656	1.645	0.7	115	0.00	17.62-17.93
68	m	m-DICHLOROBENZENE	0.969	1.006	-3.8	124	0.00	17.79-18.12
69	m	BENZYL CHLORIDE	1.127	1.270	-12.7	119	0.00	17.78-18.09
70	m	p-DICHLOROBENZENE	0.893	0.968	-8.4	124	0.00	17.91-18.15
71	m	o-DICHLOROBENZENE	0.867	1.013	-16.8	134	0.00	18.26-18.57
			True	Calc.	% Drift			
72	m	HEXACHLOROBUTADIENE	10.000	14.941	-49.4#	184	0.00	20.61-21.02
73	m	1,2,4-TRICHLOROBENZENE	10.000	14.534	-45.3#	189	0.00	20.12-20.53
			AvgRF	CCRF	% Dev			
74	m	NAPHTHALENE		NA				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Q3393.D Q051507T.m Wed May 16 12:02:13 2007 RPT1

Continuing Calibration Summary

Job Number: M64940 **Sample:** MSQ186-CC185
Account: GEI GEI Consultants, Inc. **Lab FileID:** Q3396.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Evaluate Continuing Calibration Report

```
Data File : C:\msdchem\1\DATA\Q3396.D                    Vial: 3
Acq On    : 16 May 2007  12:25 pm                   Operator: PhilipB
Sample    : CC185-10 (M068)                         Inst    : MAMSQ
Misc      : MS13579,MSQ186,,,,,1                    Multiplr: 1.00
MS Integration Params: LSCINT.P

Method       : C:\msdchem\1\METHODS\Q051507T.m (RTE Integrator)
Title        :  TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update  : Wed May 16 11:12:42 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	107	0.00	8.22- 8.63
2	m	DICHLORODIFLUOROMETHAN	8.349	8.250	1.2	103	0.00	3.38- 3.80
3	m	PROPYLENE	2.958	3.120	-5.5	107	0.00	3.31- 3.72
4	m	FREON 114	8.475	8.698	-2.6	104	0.00	3.65- 4.06
5	m	CHLOROMETHANE	3.727	3.955	-6.1	106	0.00	3.55- 3.96
6	m	VINYL CHLORIDE	3.084	3.158	-2.4	103	0.00	3.77- 4.18
7	m	1,3-BUTADIENE	3.149	3.280	-4.2	110	0.00	3.91- 4.32
		----------	True	Calc.	% Drift	----------		
8	m	BROMOMETHANE	10.000	10.972	-9.7	101	0.00	4.19- 4.60
		----------	AvgRF	CCRF	% Dev	----------		
9	m	CHLOROETHANE	1.309	1.320	-0.8	99	0.00	4.36- 4.78
10	m	TRICHLOROFLUOROMETHANE	9.183	7.856	14.5	90	0.00	5.18- 5.59
11	m	ISOPROPYL ALCOHOL	5.867	4.104	30.0	81	0.00	5.20- 5.68
12	m	ACETONE	5.219	4.251	18.5	88	0.00	4.98- 5.39
13	m	PENTANE	2.842	2.090	26.5	82	0.00	5.61- 5.92
14	m	1,1-DICHLOROETHYLENE	2.451	2.126	13.3	90	0.00	5.86- 6.27
15	m	CARBON DISULFIDE	5.942	5.259	11.5	92	0.00	6.31- 6.73
16	m	ETHANOL	1.201	1.147	4.5	102	0.00	4.43- 4.90
		----------	True	Calc.	% Drift	----------		
17	m	BROMOETHENE	10.000	10.528	-5.3	94	0.00	4.73- 5.14
18	m	METHYLENE CHLORIDE	10.000	9.182	8.2	83	0.00	6.04- 6.34
19	m	3-CHLOROPROPENE	10.000	8.790	12.1	90	0.00	6.11- 6.53
		----------	AvgRF	CCRF	% Dev	----------		
20	m	FREON 113	4.327	4.499	-4.0	97	0.00	6.26- 6.67
21	m	TRANS-1,2-DICHLOROETHY	2.123	2.089	1.6	95	0.00	6.97- 7.38
22	m	TERTIARY BUTYL ALCOHOL	5.232	4.415	15.6	87	0.00	5.83- 6.34
23	m	METHYL TERTIARY BUTYL	4.887	4.826	1.2	98	0.00	7.23- 7.65
24	m	TETRAHYDROFURAN	3.014	3.035	-0.7	114	0.00	8.81- 9.10
25	m	HEXANE	3.289	3.104	5.6	120	0.00	8.25- 8.66
26	m	VINYL ACETATE	5.409	4.404	18.6	96	0.00	7.36- 7.71
27	m	1,1-DICHLOROETHANE	4.284	3.956	7.7	95	0.00	7.18- 7.60
28	m	METHYL ETHYL KETONE	5.984	6.318	-5.6	117	0.00	7.55- 8.03
29	m	cis-1,2-DICHLOROETHYLE	1.613	1.472	8.7	117	0.00	8.04- 8.46
30	m	ETHYL ACETATE	9.780	10.164	-3.9	121	0.00	8.25- 8.67
31	m	CHLOROFORM	4.536	4.329	4.6	114	0.00	8.35- 8.76
32	m	1,1,1-TRICHLOROETHANE	4.569	4.590	-0.5	112	0.00	9.34- 9.75
33	m	CARBON TETRACHLORIDE	5.011	5.158	-2.9	113	0.00	9.95-10.36
34	m	1,2-DICHLOROETHANE	3.659	3.737	-2.1	110	0.00	9.09- 9.50

Continuing Calibration Summary

Job Number: M64940 **Sample:** MSQ186-CC185
Account: GEI GEI Consultants, Inc. **Lab FileID:** Q3396.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

35	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	110	0.00	10.14-10.55
36	m	BENZENE	1.039	0.832	19.9	110	0.00	9.81-10.22
37	m	CYCLOHEXANE	0.348	0.313	10.1	116	0.00	10.08-10.49
38	m	TRICHLOROETHYLENE	0.566	0.500	11.7	114	0.00	10.90-11.21
39	m	1,2-DICHLOROPROPANE	0.495	0.399	19.4	105	0.00	10.62-11.03
40	m	BROMODICHLOROMETHANE	0.964	0.880	8.7	112	0.00	10.86-11.17
41	m	2,2,4-TRIMETHYLPENTANE	2.427	2.004	17.4	108	0.00	10.87-11.28
42	m	1,4-DIOXANE	0.189	0.159	15.9	109	0.00	10.78-11.31
43	m	HEPTANE	1.038	0.921	11.3	108	0.00	11.17-11.48
44	m	METHYL ISOBUTYL KETONE	1.492	1.350	9.5	109	0.00	11.70-12.13
45	m	cis-1,3-DICHLOROPROPEN	0.659	0.573	13.1	106	0.00	11.69-12.10
46	m	TOLUENE	0.687	0.614	10.6	115	0.00	12.67-13.09
47	m	trans-1,3-DICHLOROPROP	0.566	0.602	-6.4	125	0.00	12.26-12.57
48	m	1,1,2-TRICHLOROETHANE	0.416	0.337	19.0	109	0.00	12.42-12.78
49	I	CHLOROBENZENE-D5	1.000	1.000	0.0	110	0.00	14.54-14.85
50	m	2-HEXANONE	1.415	1.295	8.5	110	0.00	12.91-13.32
			True	Calc.	% Drift			
51	m	TETRACHLOROETHYLENE	10.000	11.021	-10.2	117	0.00	13.83-14.24
			AvgRF	CCRF	% Dev			
52	m	DIBROMOCHLOROMETHANE	0.994	0.932	6.2	119	0.00	13.14-13.50
53	m	1,2-DIBROMOETHANE	0.864	0.745	13.8	115	0.00	13.42-13.73
54	m	CHLOROBENZENE	1.059	0.910	14.1	115	0.00	14.59-14.89
55	m	ETHYLBENZENE	1.859	1.692	9.0	115	0.00	14.95-15.31
56	m	m,p-XYLENE	0.683	0.599	12.3	116	0.00	15.15-15.51
57	m	o-XYLENE	0.706	0.601	14.9	115	0.00	15.65-16.01
58	m	STYRENE	0.884	0.835	5.5	115	0.00	15.55-15.86
59	m	NONANE	1.878	1.575	16.1	109	0.00	15.88-16.19
60	m	BROMOFORM	0.781	0.763	2.3	122	0.00	15.27-15.58
61	S	4-BROMOFLUOROBENZENE	0.859	0.898	-4.5	111	0.00	16.18-16.49
62	m	1,1,2,2-TETRACHLOROETH	1.253	1.017	18.8	111	0.00	15.66-15.97
63	m	ISOPROPYLBENZENE	2.051	1.779	13.3	111	0.00	16.33-16.64
64	m	2-CHLOROTOLUENE	1.601	1.394	12.9	108	0.00	16.83-17.24
65	m	4-ETHYLTOLUENE	1.804	1.729	4.2	119	0.00	17.09-17.36
66	m	1,3,5-TRIMETHYLBENZENE	1.748	1.600	8.5	115	0.00	17.18-17.44
67	m	1,2,4-TRIMETHYLBENZENE	1.656	1.561	5.7	109	0.00	17.62-17.93
68	m	m-DICHLOROBENZENE	0.969	0.893	7.8	111	0.00	17.79-18.12
69	m	BENZYL CHLORIDE	1.127	1.194	-5.9	113	0.00	17.78-18.09
70	m	p-DICHLOROBENZENE	0.893	0.846	5.3	109	0.00	17.91-18.15
71	m	o-DICHLOROBENZENE	0.867	0.868	-0.1	116	0.00	18.26-18.57
			True	Calc.	% Drift			
72	m	HEXACHLOROBUTADIENE	10.000	12.992	-29.9	150	0.00	20.60-21.02
73	m	1,2,4-TRICHLOROBENZENE	10.000	12.740	-27.4	158	0.00	20.12-20.53
			AvgRF	CCRF	% Dev			
74	m	NAPHTHALENE			NA			

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Q3393.D Q051507T.m Wed May 16 13:30:42 2007 RPT1

Continuing Calibration Summary

Job Number: M64940 **Sample:** MSQ188-CC185
Account: GEI GEI Consultants, Inc. **Lab FileID:** Q3453.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Evaluate Continuing Calibration Report

```
Data File : C:\msdchem\1\DATA\Q3453.D                    Vial: 1
Acq On    : 18 May 2007   4:25 pm                   Operator: PhilipB
Sample    : CC185-10 (M068)                         Inst    : MAMSQ
Misc      : MS13593,MSQ188,,,,,1                    Multiplr: 1.00
MS Integration Params: LSCINT.P

Method       : C:\msdchem\1\METHODS\Q051507T.m (RTE Integrator)
Title        :  TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update  : Wed May 16 11:12:42 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	122	0.00	8.22- 8.63
2	m	DICHLORODIFLUOROMETHAN	8.349	6.633	20.6	95	0.01	3.39- 3.81
3	m	PROPYLENE	2.958	1.656	44.0#	65	0.01	3.32- 3.74
4	m	FREON 114	8.475	6.765	20.2	92	0.01	3.66- 4.07
5	m	CHLOROMETHANE	3.727	2.643	29.1	81	0.01	3.56- 3.97
6	m	VINYL CHLORIDE	3.084	2.258	26.8	84	0.01	3.78- 4.19
7	m	1,3-BUTADIENE	3.149	2.565	18.5	99	0.01	3.92- 4.33
		----------	True	Calc.	% Drift		----------	
8	m	BROMOMETHANE	10.000	9.004	10.0	97	0.01	4.20- 4.61
		----------	AvgRF	CCRF	% Dev		----------	
9	m	CHLOROETHANE	1.309	1.163	11.2	100	0.00	4.37- 4.79
10	m	TRICHLOROFLUOROMETHANE	9.183	9.117	0.7	119	0.00	5.19- 5.60
11	m	ISOPROPYL ALCOHOL	5.867	5.321	9.3	120	0.00	5.21- 5.68
12	m	ACETONE	5.219	5.469	-4.8	129	0.00	4.99- 5.40
13	m	PENTANE	2.842	3.680	-29.5	166	0.00	5.62- 5.93
14	m	1,1-DICHLOROETHYLENE	2.451	2.566	-4.7	124	0.00	5.87- 6.28
15	m	CARBON DISULFIDE	5.942	6.766	-13.9	136	0.00	6.32- 6.73
16	m	ETHANOL	1.201	0.964	19.7	98	0.00	4.45- 4.91
		----------	True	Calc.	% Drift		----------	
17	m	BROMOETHENE	10.000	9.826	1.7	101	0.01	4.74- 5.16
18	m	METHYLENE CHLORIDE	10.000	12.865	-28.7	128	0.00	6.05- 6.35
19	m	3-CHLOROPROPENE	10.000	14.925	-49.3#	172	0.00	6.12- 6.53
		----------	AvgRF	CCRF	% Dev		----------	
20	m	FREON 113	4.327	4.462	-3.1	110	0.00	6.27- 6.68
21	m	TRANS-1,2-DICHLOROETHY	2.123	2.298	-8.2	119	0.00	6.98- 7.39
22	m	TERTIARY BUTYL ALCOHOL	5.232	5.602	-7.1	126	0.00	5.84- 6.35
23	m	METHYL TERTIARY BUTYL	4.887	5.052	-3.4	118	0.00	7.24- 7.65
24	m	TETRAHYDROFURAN	3.014	2.570	14.7	111	0.00	8.82- 9.10
25	m	HEXANE	3.289	3.010	8.5	134	0.00	8.26- 8.67
26	m	VINYL ACETATE	5.409	6.987	-29.2	174	0.00	7.36- 7.71
27	m	1,1-DICHLOROETHANE	4.284	5.323	-24.3	146	0.00	7.19- 7.60
28	m	METHYL ETHYL KETONE	5.984	5.305	11.3	112	0.01	7.56- 8.04
29	m	cis-1,2-DICHLOROETHYLE	1.613	1.372	14.9	124	0.01	8.05- 8.46
30	m	ETHYL ACETATE	9.780	9.432	3.6	128	0.00	8.25- 8.68
31	m	CHLOROFORM	4.536	4.381	3.4	132	0.00	8.35- 8.76
32	m	1,1,1-TRICHLOROETHANE	4.569	4.334	5.1	121	0.00	9.35- 9.76
33	m	CARBON TETRACHLORIDE	5.011	4.742	5.4	119	0.00	9.95-10.37
34	m	1,2-DICHLOROETHANE	3.659	3.495	4.5	117	0.00	9.09- 9.51

Continuing Calibration Summary

Job Number: M64940 **Sample:** MSQ188-CC185
Account: GEI GEI Consultants, Inc. **Lab FileID:** Q3453.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

35	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	118	0.00	10.14-10.55
36	m	BENZENE	1.039	0.879	15.4	125	0.00	9.81-10.22
37	m	CYCLOHEXANE	0.348	0.317	8.9	126	0.00	10.08-10.49
38	m	TRICHLOROETHYLENE	0.566	0.543	4.1	133	0.00	10.90-11.21
39	m	1,2-DICHLOROPROPANE	0.495	0.428	13.5	121	0.00	10.61-11.02
40	m	BROMODICHLOROMETHANE	0.964	0.912	5.4	124	0.00	10.86-11.17
41	m	2,2,4-TRIMETHYLPENTANE	2.427	2.217	8.7	128	0.00	10.87-11.28
42	m	1,4-DIOXANE	0.189	0.163	13.8	120	0.00	10.78-11.31
43	m	HEPTANE	1.038	0.965	7.0	122	0.00	11.17-11.48
44	m	METHYL ISOBUTYL KETONE	1.492	1.391	6.8	120	0.00	11.70-12.13
45	m	cis-1,3-DICHLOROPROPEN	0.659	0.541	17.9	108	0.00	11.69-12.11
46	m	TOLUENE	0.687	0.611	11.1	123	0.00	12.68-13.09
47	m	trans-1,3-DICHLOROPROP	0.566	0.529	6.5	118	0.00	12.26-12.57
48	m	1,1,2-TRICHLOROETHANE	0.416	0.374	10.1	130	0.00	12.42-12.78
49	I	CHLOROBENZENE-D5	1.000	1.000	0.0	106	0.00	14.54-14.85
50	m	2-HEXANONE	1.415	1.368	3.3	112	0.00	12.91-13.31
			---------- True	Calc.	% Drift	----------		
51	m	TETRACHLOROETHYLENE	10.000	10.565	-5.6	108	0.00	13.83-14.24
			---------- AvgRF	CCRF	% Dev	----------		
52	m	DIBROMOCHLOROMETHANE	0.994	1.002	-0.8	124	0.00	13.14-13.50
53	m	1,2-DIBROMOETHANE	0.864	0.800	7.4	119	0.00	13.42-13.73
54	m	CHLOROBENZENE	1.059	0.966	8.8	118	0.00	14.59-14.90
55	m	ETHYLBENZENE	1.859	1.814	2.4	120	0.00	14.94-15.31
56	m	m,p-XYLENE	0.683	0.656	4.0	123	0.00	15.14-15.50
57	m	o-XYLENE	0.706	0.678	4.0	125	0.00	15.64-16.01
58	m	STYRENE	0.884	0.824	6.8	110	0.00	15.55-15.86
59	m	NONANE	1.878	1.919	-2.2	128	0.00	15.88-16.19
60	m	BROMOFORM	0.781	0.755	3.3	117	0.00	15.27-15.58
61	S	4-BROMOFLUOROBENZENE	0.859	0.856	0.3	102	0.00	16.18-16.49
62	m	1,1,2,2-TETRACHLOROETH	1.253	1.351	-7.8	143	0.00	15.66-15.97
63	m	ISOPROPYLBENZENE	2.051	1.847	9.9	112	0.00	16.32-16.63
64	m	2-CHLOROTOLUENE	1.601	1.437	10.2	107	0.00	16.82-17.24
65	m	4-ETHYLTOLUENE	1.804	1.748	3.1	116	0.00	17.09-17.36
66	m	1,3,5-TRIMETHYLBENZENE	1.748	1.633	6.6	113	0.00	17.18-17.44
67	m	1,2,4-TRIMETHYLBENZENE	1.656	1.497	9.6	101	0.00	17.62-17.93
68	m	m-DICHLOROBENZENE	0.969	0.763	21.3	92	0.00	17.79-18.12
69	m	BENZYL CHLORIDE	1.127	1.040	7.7	95	0.00	17.78-18.09
70	m	p-DICHLOROBENZENE	0.893	0.678	24.1	84	0.00	17.91-18.15
71	m	o-DICHLOROBENZENE	0.867	0.629	27.5	81	0.00	18.26-18.57
			---------- True	Calc.	% Drift	----------		
72	m	HEXACHLOROBUTADIENE	10.000	7.487	25.1	67	0.00	20.60-21.02
73	m	1,2,4-TRICHLOROBENZENE	10.000	5.515	44.9#	52	0.00	20.11-20.53
			---------- AvgRF	CCRF	% Dev	----------		
74	m	NAPHTHALENE		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Q3393.D Q051507T.m Mon May 21 09:24:22 2007 RPT1

Initial Calibration Summary

Job Number: M64940 **Sample:** MSQ189-ICC189
Account: GEI GEI Consultants, Inc. **Lab FileID:** Q3476.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Response Factor Report MAMSQ

Method : C:\msdchem\1\METHODS\Q052107T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Tue May 22 09:36:34 2007
Response via : Initial Calibration

Calibration Files
.2 =Q3480.D .5 =Q3479.D 2 =Q3478.D
5 =Q3477.D 10 =Q3476.D 20 =Q3475.D 40 =Q3474.D

Compound	.2	.5	2	5	10	20	40	Avg	%RSD
1) I BROMOCHLOROMETHANE	----------ISTD----------								
2)m DICHLORODIFLUOROM	8.106	9.064	7.942	6.847	9.144	9.860		8.494	12.66
3)m PROPYLENE		1.420	1.268	1.022	1.260	1.634		1.321	17.08
4)m FREON 114	7.364	8.448	6.976	6.059	7.982	9.120		7.658	14.27
5)m CHLOROMETHANE	2.263	1.862	1.803	1.400	1.843	2.073		1.874	15.49
6)m VINYL CHLORIDE	1.852	2.130	1.747	1.497	1.879	2.135		1.873	12.92
7)m 1,3-BUTADIENE	2.259	2.259	1.866	1.739	2.049	2.283		2.076	11.16
8)m BROMOMETHANE	2.974	2.489	2.150	1.691	2.084	2.454		2.307	18.94
9)m CHLOROETHANE	1.381	1.264	0.803	0.692	0.772	0.890		0.967	29.47
10)m TRICHLOROFLUOROME	1.508	1.376	1.209	0.942	1.134	1.484	1.158	1.259 E1	16.37
11)m ISOPROPYL ALCOHOL		3.808	3.641	2.993	3.680	4.121	3.413	3.609	10.55
12)m ACETONE		5.057	4.173	3.431	4.197	4.613	3.975	4.241	13.08
13)m PENTANE		2.537	2.068	1.751	1.949	2.380	1.983	2.111	13.85
14)m 1,1-DICHLOROETHYL	3.088	2.737	2.294	2.212	2.527	3.138	2.547	2.649	13.62
15)m CARBON DISULFIDE	8.449	7.013	5.716	5.915	6.735	7.446	6.355	6.804	13.87
16)m ETHANOL		0.547	0.604	0.487	0.524	0.709	0.470	0.557	15.88
17)m BROMOETHENE	2.673	3.403	2.130	1.806	2.204	2.588	2.233	2.434	21.22
18)m METHYLENE CHLORID		3.447	2.286	2.055	2.292	2.573	2.082	2.456	21.17
19)m 3-CHLOROPROPENE	5.342	3.464	3.121	2.938	3.252	3.706	3.156	3.568	23.00
20)m FREON 113	1.150	0.638	0.649	0.714	0.858	1.011	0.884	0.844 E1	22.74
21)m TRANS-1,2-DICHLOR	3.263	2.095	1.832	2.497	2.962	3.120	2.755	2.646	20.15
22)m TERTIARY BUTYL AL	7.365	4.370	4.080	4.503	4.746	5.756	4.132	4.993	23.80
23)m METHYL TERTIARY B	7.039	4.074	4.323	5.322	6.774	7.222	6.552	5.901	22.30
24)m TETRAHYDROFURAN		1.499	1.360	1.382	1.502	1.742	1.649	1.522	9.79
25)m HEXANE		2.676	1.865	1.505	1.735	1.985	1.932	1.950	20.26
26)m VINYL ACETATE	2.578	3.543	3.649	3.401	6.223	6.764	6.457	4.659	37.47

----- Linear regression (equal Weighting)----- Coefficient = 0.9961
Response Ratio = -0.47381 + 6.63526 *A

27)m 1,1-DICHLOROETHAN	6.765	3.883	3.539	4.432	4.902	5.345	4.687	4.793	22.13
28)m METHYL ETHYL KETO		2.957	3.799	2.918	3.318	3.616	3.859	3.411	12.10
29)m cis-1,2-DICHLOROE	1.000	1.754	1.364	1.200	1.434	1.631	1.648	1.433	18.80
30)m ETHYL ACETATE		6.628	5.579	4.863	5.218	5.958	5.925	5.695	10.90
31)m CHLOROFORM	4.908	6.098	4.219	3.875	4.114	4.604	4.765	4.655	15.82
32)m 1,1,1-TRICHLOROET	6.093	6.507	5.600	4.445	4.581	5.371	5.637	5.462	13.70
33)m CARBON TETRACHLOR	5.602	7.794	6.122	5.174	5.877	6.521	6.819	6.273	13.82
34)m 1,2-DICHLOROETHAN	3.019	4.027	3.023	2.839	2.856	3.096	3.346	3.172	13.02
35) I 1,4-DIFLUOROBENZENE	----------ISTD----------								
36)m BENZENE	0.855	0.994	0.853	0.706	0.817	0.950	1.115	0.899	14.81
37)m CYCLOHEXANE		0.316	0.360	0.244	0.317	0.332	0.346	0.319	12.69
38)m TRICHLOROETHYLENE	0.435	0.604	0.573	0.426	0.506	0.587	0.659	0.541	16.32
39)m 1,2-DICHLOROPROPA	0.168	0.323	0.359	0.261	0.303	0.327	0.348	0.299	22.08
40)m BROMODICHLOROMETH	0.881	1.133	1.112	0.853	0.947	1.051	1.190	1.024	12.81
41)m 2,2,4-TRIMETHYLPE	1.198	1.558	1.481	1.134	1.311	1.515	1.696	1.413	14.46
42)m 1,4-DIOXANE		0.088	0.156	0.133	0.153	0.183	0.202	0.153	26.15

Initial Calibration Summary

Job Number: M64940 **Sample:** MSQ189-ICC189
Account: GEI GEI Consultants, Inc. **Lab FileID:** Q3476.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

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43)m HEPTANE           0.316 0.567 0.674 0.461 0.553 0.598 0.646 0.545  22.44
44)m METHYL ISOBUTYL K       0.576 0.860 0.739 0.822 0.953 1.031 0.830  19.37
45)m cis-1,3-DICHLOROP       0.458 0.511 0.402 0.470 0.555 0.650 0.508  17.07
46)m TOLUENE           0.296 0.488 0.565 0.514 0.621 0.687       0.528  25.55
47)m trans-1,3-DICHLOR       0.352 0.447 0.409 0.486 0.568 0.710 0.495  25.87
48)m 1,1,2-TRICHLOROET 0.254 0.331 0.446 0.333 0.361 0.402 0.433 0.366  18.40

49) I   CHLOROBENZENE-D5      ----------------ISTD--------------------
50)m 2-HEXANONE              0.301 0.738 0.692 0.850 0.941 0.958 0.747  32.52
  ----- Linear regression  (equal Weighting)-----  Coefficient =  0.9991
              Response Ratio = -0.08206 + 0.97634 *A

51)m TETRACHLOROETHYLE 0.417 0.481 0.241 0.444 0.573 0.696 1.000 0.550  44.13
         ----- Quadratic regression -----  Coefficient =  0.9998
              Response Ratio = -0.01011 + 0.41026 *A + 0.14791 *A^2

52)m DIBROMOCHLOROMETH 0.907 1.050 1.133 1.004 1.258 1.363 1.653 1.195  21.22
53)m 1,2-DIBROMOETHANE       0.857 0.985 0.663 0.840 0.937 1.077 0.893  15.94
54)m CHLOROBENZENE           1.116 1.025 0.869 1.005 1.185 1.235 1.072  12.46
55)m ETHYLBENZENE            1.287 1.528 1.443 1.819 1.982 2.230 1.715  20.86
56)m m,p-XYLENE              0.505 0.679 0.552 0.686 0.765 0.945 0.689  22.89
57)m o-XYLENE                0.594 0.733 0.505 0.669 0.791 0.976 0.711  23.09
58)m STYRENE                 0.513 0.786 0.681 0.920 1.015 1.154 0.845  27.54
59)m NONANE                  0.833 0.964 0.889 1.084 1.260 1.298 1.055  18.32
60)m BROMOFORM               0.821 1.027 1.005 1.317 1.602       1.155  26.57
61)S 4-BROMOFLUOROBENZ 0.758 0.569 0.834 0.793 0.827 0.802 0.791 0.768  11.88
62)m 1,1,2,2-TETRACHLO 1.326 0.729 1.298 0.932 1.198 1.335 1.635 1.208  24.51
63)m ISOPROPYLBENZENE  1.263 1.366 1.685 1.629 2.040 2.274 2.680 1.848  27.60
64)m 2-CHLOROTOLUENE         0.812 1.291 1.185 1.499 1.758 1.940 1.414  28.86
65)m 4-ETHYLTOLUENE    0.485 0.865 1.541 1.508 1.939 2.245 2.686 1.610  47.50
         ----- Quadratic regression -----  Coefficient =  0.9997
              Response Ratio = -0.07523 + 1.79793 *A + 0.22760 *A^2

66)m 1,3,5-TRIMETHYLBE 0.671 0.963 1.394 1.385 1.936 2.170 2.664 1.598  43.71
         ----- Quadratic regression -----  Coefficient =  0.9997
              Response Ratio = -0.07012 + 1.70566 *A + 0.24429 *A^2

67)m 1,2,4-TRIMETHYLBE 0.431 0.671 1.164 1.290 1.684 2.058 2.527 1.403  53.02
         ----- Quadratic regression -----  Coefficient =  0.9997
              Response Ratio = -0.08413 + 1.56607 *A + 0.24640 *A^2

68)m m-DICHLOROBENZENE 0.166 0.402 0.870 0.814 1.045 1.274 1.629 0.886  56.20
         ----- Quadratic regression -----  Coefficient =  0.9998
              Response Ratio = -0.03485 + 0.91212 *A + 0.18182 *A^2

69)m BENZYL CHLORIDE   0.197 0.300 0.603 0.880 1.134 1.312 1.539 0.852  59.86
  ----- Linear regression  (equal Weighting)-----  Coefficient =  0.9931
              Response Ratio = -0.21853 + 1.54737 *A

70)m p-DICHLOROBENZENE 0.124 0.370 0.772 0.698 0.959 1.112 1.413 0.778  56.20
         ----- Quadratic regression -----  Coefficient =  0.9998
              Response Ratio = -0.03105 + 0.82097 *A + 0.15016 *A^2

71)m o-DICHLOROBENZENE 0.386 0.374 0.575 0.765 1.003 1.195 1.479 0.825  50.89
         ----- Quadratic regression -----  Coefficient =  0.9997
              Response Ratio = -0.05048 + 0.91451 *A + 0.14470 *A^2

72)m HEXACHLOROBUTADIE 1.873 0.305 0.251 0.406 0.530 0.543 0.470 0.625  89.70
         ----- Quadratic regression -----  Coefficient =  0.9967
              Response Ratio = -0.03177 + 0.60036 *A + -0.03020 *A^2
```

Initial Calibration Summary

Job Number: M64940 **Sample:** MSQ189-ICC189
Account: GEI GEI Consultants, Inc. **Lab FileID:** Q3476.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

```
73)m 1,2,4-TRICHLOROBE 0.069 0.068 0.156 0.160 0.171 0.138 0.138 0.128  33.28
         ----- Quadratic regression -----  Coefficient =  0.9970
              Response Ratio = 0.00155 + 0.15304 *A + -0.00409 *A^2

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

          Q052107T.m        Tue May 22 09:38:32 2007   RPT1
```

Initial Calibration Verification

Job Number: M64940 **Sample:** MSQ189-ICV189
Account: GEI GEI Consultants, Inc. **Lab FileID:** Q3482.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\Q3482.D Vial: 1
Acq On : 22 May 2007 9:55 am Operator: PhilipB
Sample : ICV189-10 (M068) Inst : MAMSQ
Misc : MS13602,MSQ189,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\msdchem\1\METHODS\Q052107T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Tue May 22 09:36:34 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	98	0.00	8.21- 8.62
2	m	DICHLORODIFLUOROMETHAN	8.494	6.341	25.3	68	0.00	3.38- 3.79
3	m	PROPYLENE	1.321	0.949	28.2	74	0.00	3.31- 3.72
4	m	FREON 114	7.658	6.571	14.2	81	0.00	3.65- 4.06
5	m	CHLOROMETHANE	1.874	1.355	27.7	72	0.00	3.55- 3.96
6	m	VINYL CHLORIDE	1.873	1.523	18.7	79	0.00	3.77- 4.19
7	m	1,3-BUTADIENE	2.076	1.688	18.7	81	0.00	3.91- 4.32
8	m	BROMOMETHANE	2.307	2.024	12.3	95	0.00	4.19- 4.60
9	m	CHLOROETHANE	0.967	0.768	20.6	97	0.00	4.37- 4.78
10	m	TRICHLOROFLUOROMETHANE	12.587	12.822	-1.9	111	0.00	5.18- 5.59
11	m	ISOPROPYL ALCOHOL	3.609	3.959	-9.7	105	0.00	5.20- 5.67
12	m	ACETONE	4.241	4.442	-4.7	104	0.00	4.98- 5.39
13	m	PENTANE	2.111	2.360	-11.8	119	0.00	5.61- 5.92
14	m	1,1-DICHLOROETHYLENE	2.649	2.975	-12.3	115	0.00	5.86- 6.27
15	m	CARBON DISULFIDE	6.804	6.978	-2.6	102	0.00	6.31- 6.72
16	m	ETHANOL	0.557	0.547	1.8	102	-0.01	4.43- 4.89
17	m	BROMOETHENE	2.434	2.216	9.0	99	0.00	4.73- 5.14
18	m	METHYLENE CHLORIDE	2.456	2.429	1.1	104	0.00	6.04- 6.34
19	m	3-CHLOROPROPENE	3.568	3.542	0.7	107	0.00	6.11- 6.52
20	m	FREON 113	8.436	8.322	1.4	95	0.00	6.26- 6.67
21	m	TRANS-1,2-DICHLOROETHY	2.646	2.642	0.2	87	0.00	6.97- 7.38
22	m	TERTIARY BUTYL ALCOHOL	4.993	5.365	-7.5	111	-0.01	5.82- 6.34
23	m	METHYL TERTIARY BUTYL	5.901	6.483	-9.9	94	0.00	7.24- 7.65
24	m	TETRAHYDROFURAN	1.522	1.556	-2.2	102	0.00	8.81- 9.09
25	m	HEXANE	1.950	1.805	7.4	102	0.00	8.25- 8.66
			True	Calc.	% Drift			
26	m	VINYL ACETATE	10.000	10.757	-7.6	105	0.00	7.35- 7.70
			AvgRF	CCRF	% Dev			
27	m	1,1-DICHLOROETHANE	4.793	5.033	-5.0	101	0.00	7.18- 7.59
28	m	METHYL ETHYL KETONE	3.411	3.291	3.5	97	0.00	7.55- 8.03
29	m	cis-1,2-DICHLOROETHYLE	1.433	1.427	0.4	98	0.00	8.04- 8.45
30	m	ETHYL ACETATE	5.695	5.528	2.9	104	0.00	8.25- 8.67
31	m	CHLOROFORM	4.655	4.463	4.1	106	0.00	8.34- 8.76
32	m	1,1,1-TRICHLOROETHANE	5.462	4.908	10.1	105	0.00	9.34- 9.76
33	m	CARBON TETRACHLORIDE	6.273	5.858	6.6	98	0.00	9.95-10.36
34	m	1,2-DICHLOROETHANE	3.172	3.065	3.4	105	0.00	9.09- 9.50
35	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	103	0.00	10.14-10.55
36	m	BENZENE	0.899	0.819	8.9	103	0.00	9.80-10.21
37	m	CYCLOHEXANE	0.319	0.296	7.2	96	0.00	10.08-10.49

Initial Calibration Verification

Job Number: M64940 **Sample:** MSQ189-ICV189
Account: GEI GEI Consultants, Inc. **Lab FileID:** Q3482.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

38	m	TRICHLOROETHYLENE	0.541	0.529	2.2	107	0.00	10.89-11.20
39	m	1,2-DICHLOROPROPANE	0.299	0.311	-4.0	106	0.00	10.61-11.02
40	m	BROMODICHLOROMETHANE	1.024	0.963	6.0	104	0.00	10.85-11.16
41	m	2,2,4-TRIMETHYLPENTANE	1.413	1.384	2.1	108	0.00	10.86-11.28
42	m	1,4-DIOXANE	0.153	0.165	-7.8	111	0.00	10.78-11.30
43	m	HEPTANE	0.545	0.522	4.2	97	0.00	11.17-11.48
44	m	METHYL ISOBUTYL KETONE	0.830	0.866	-4.3	108	0.00	11.70-12.13
45	m	cis-1,3-DICHLOROPROPEN	0.508	0.486	4.3	106	0.00	11.69-12.10
46	m	TOLUENE	0.528	0.613	-16.1	101	0.00	12.67-13.08
47	m	trans-1,3-DICHLOROPROP	0.495	0.506	-2.2	107	0.00	12.26-12.57
48	m	1,1,2-TRICHLOROETHANE	0.366	0.362	1.1	103	0.00	12.41-12.78
49	I	CHLOROBENZENE-D5	1.000	1.000	0.0	104	0.00	14.54-14.85
		----------	True	Calc.	% Drift	----------		
50	m	2-HEXANONE	10.000	9.946	0.5	109	0.00	12.91-13.31
51	m	TETRACHLOROETHYLENE	10.000	9.620	3.8	95	0.00	13.83-14.24
		----------	AvgRF	CCRF	% Dev	----------		
52	m	DIBROMOCHLOROMETHANE	1.195	1.197	-0.2	99	0.00	13.13-13.50
53	m	1,2-DIBROMOETHANE	0.893	0.821	8.1	102	0.00	13.42-13.73
54	m	CHLOROBENZENE	1.072	0.986	8.0	102	0.00	14.59-14.90
55	m	ETHYLBENZENE	1.715	1.794	-4.6	103	0.00	14.95-15.31
56	m	m,p-XYLENE	0.689	0.657	4.6	100	0.00	15.14-15.50
57	m	o-XYLENE	0.711	0.669	5.9	104	0.00	15.64-16.01
58	m	STYRENE	0.845	0.836	1.1	95	0.00	15.55-15.86
59	m	NONANE	1.055	1.105	-4.7	106	0.00	15.88-16.19
60	m	BROMOFORM	1.155	1.248	-8.1	99	0.00	15.27-15.58
61	S	4-BROMOFLUOROBENZENE	0.768	0.817	-6.4	103	0.00	16.18-16.49
62	m	1,1,2,2-TETRACHLOROETH	1.208	1.209	-0.1	105	0.00	15.66-15.97
63	m	ISOPROPYLBENZENE	1.848	1.924	-4.1	98	0.00	16.32-16.63
64	m	2-CHLOROTOLUENE	1.414	1.464	-3.5	102	0.00	16.82-17.24
		----------	True	Calc.	% Drift	----------		
65	m	4-ETHYLTOLUENE	10.000	9.287	7.1	96	0.00	17.09-17.36
66	m	1,3,5-TRIMETHYLBENZENE	10.000	9.113	8.9	91	0.00	17.18-17.44
67	m	1,2,4-TRIMETHYLBENZENE	10.000	9.177	8.2	96	0.00	17.62-17.93
68	m	m-DICHLOROBENZENE	10.000	8.905	11.0	92	0.00	17.79-18.12
69	m	BENZYL CHLORIDE	10.000	8.163	18.4	96	0.00	17.78-18.09
70	m	p-DICHLOROBENZENE	10.000	9.490	5.1	96	0.00	17.91-18.15
71	m	o-DICHLOROBENZENE	10.000	8.499	15.0	86	0.00	18.26-18.57
72	m	HEXACHLOROBUTADIENE	10.000	8.877	11.2	94	0.00	20.61-21.02
73	m	1,2,4-TRICHLOROBENZENE	10.000	8.740	12.6	81	0.00	20.12-20.53
		----------	AvgRF	CCRF	% Dev	----------		
74	m	NAPHTHALENE		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Q3476.D Q052107T.m Tue May 22 15:17:13 2007 RPT1

Continuing Calibration Summary

Job Number: M64940 **Sample:** MSQ190-CC189
Account: GEI GEI Consultants, Inc. **Lab FileID:** Q3491.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\Q3491.D Vial: 1
Acq On : 22 May 2007 6:00 pm Operator: PhilipB
Sample : CC189-10 (M068) Inst : MAMSQ
Misc : MS13602,MSQ190,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\msdchem\1\METHODS\Q052107T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Tue May 22 09:36:34 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	119	0.00	8.22- 8.64
2	m	DICHLORODIFLUOROMETHAN	8.494	5.808	31.6#	76	0.02	3.40- 3.81
3	m	PROPYLENE	1.321	0.944	28.5	89	0.02	3.33- 3.74
4	m	FREON 114	7.658	5.837	23.8	87	0.02	3.66- 4.08
5	m	CHLOROMETHANE	1.874	1.325	29.3	86	0.02	3.57- 3.98
6	m	VINYL CHLORIDE	1.873	1.461	22.0	93	0.02	3.79- 4.20
7	m	1,3-BUTADIENE	2.076	1.650	20.5	96	0.02	3.93- 4.34
8	m	BROMOMETHANE	2.307	1.799	22.0	103	0.02	4.21- 4.62
9	m	CHLOROETHANE	0.967	0.712	26.4	110	0.01	4.38- 4.79
10	m	TRICHLOROFLUOROMETHANE	12.587	10.911	13.3	115	0.01	5.20- 5.61
11	m	ISOPROPYL ALCOHOL	3.609	3.342	7.4	108	0.01	5.22- 5.69
12	m	ACETONE	4.241	3.844	9.4	109	0.01	4.99- 5.41
13	m	PENTANE	2.111	2.069	2.0	127	0.00	5.62- 5.93
14	m	1,1-DICHLOROETHYLENE	2.649	2.471	6.7	117	0.01	5.88- 6.29
15	m	CARBON DISULFIDE	6.804	6.179	9.2	110	0.01	6.33- 6.74
16	m	ETHANOL	0.557	0.472	15.3	108	0.00	4.45- 4.92
17	m	BROMOETHENE	2.434	2.021	17.0	109	0.01	4.75- 5.16
18	m	METHYLENE CHLORIDE	2.456	2.349	4.4	122	0.01	6.05- 6.35
19	m	3-CHLOROPROPENE	3.568	2.947	17.4	108	0.00	6.12- 6.54
20	m	FREON 113	8.436	7.312	13.3	102	0.01	6.27- 6.69
21	m	TRANS-1,2-DICHLOROETHY	2.646	2.311	12.7	93	0.01	6.98- 7.40
22	m	TERTIARY BUTYL ALCOHOL	4.993	4.438	11.1	112	0.00	5.84- 6.36
23	m	METHYL TERTIARY BUTYL	5.901	5.250	11.0	93	0.01	7.25- 7.66
24	m	TETRAHYDROFURAN	1.522	1.378	9.5	110	0.01	8.82- 9.11
25	m	HEXANE	1.950	1.734	11.1	119	0.01	8.26- 8.67
		----------	True	Calc.	% Drift	----------		
26	m	VINYL ACETATE	10.000	8.803	12.0	103	0.01	7.37- 7.72
		----------	AvgRF	CCRF	% Dev	----------		
27	m	1,1-DICHLOROETHANE	4.793	4.297	10.3	105	0.02	7.20- 7.61
28	m	METHYL ETHYL KETONE	3.411	3.082	9.6	111	0.01	7.56- 8.04
29	m	cis-1,2-DICHLOROETHYLE	1.433	1.238	13.6	103	0.01	8.05- 8.46
30	m	ETHYL ACETATE	5.695	5.211	8.5	119	0.01	8.26- 8.68
31	m	CHLOROFORM	4.655	4.109	11.7	119	0.00	8.35- 8.76
32	m	1,1,1-TRICHLOROETHANE	5.462	4.538	16.9	118	0.01	9.35- 9.76
33	m	CARBON TETRACHLORIDE	6.273	5.672	9.6	115	0.00	9.96-10.37
34	m	1,2-DICHLOROETHANE	3.172	2.775	12.5	116	0.00	9.10- 9.51
35	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	125	0.00	10.15-10.56
36	m	BENZENE	0.899	0.730	18.8	112	0.00	9.81-10.22
37	m	CYCLOHEXANE	0.319	0.265	16.9	105	0.00	10.09-10.50

Continuing Calibration Summary

Job Number: M64940 **Sample:** MSQ190-CC189
Account: GEI GEI Consultants, Inc. **Lab FileID:** Q3491.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

38	m	TRICHLOROETHYLENE	0.541	0.502	7.2	124	0.00	10.90-11.21
39	m	1,2-DICHLOROPROPANE	0.299	0.279	6.7	116	0.00	10.62-11.03
40	m	BROMODICHLOROMETHANE	1.024	0.886	13.5	117	0.00	10.86-11.17
41	m	2,2,4-TRIMETHYLPENTANE	1.413	1.312	7.1	125	0.00	10.87-11.28
42	m	1,4-DIOXANE	0.153	0.144	5.9	118	0.01	10.78-11.31
43	m	HEPTANE	0.545	0.485	11.0	110	0.00	11.17-11.48
44	m	METHYL ISOBUTYL KETONE	0.830	0.779	6.1	119	0.00	11.70-12.13
45	m	cis-1,3-DICHLOROPROPEN	0.508	0.443	12.8	118	0.00	11.69-12.11
46	m	TOLUENE	0.528	0.557	-5.5	112	0.00	12.68-13.09
47	m	trans-1,3-DICHLOROPROP	0.495	0.430	13.1	111	0.00	12.26-12.57
48	m	1,1,2-TRICHLOROETHANE	0.366	0.343	6.3	119	0.00	12.42-12.78
49	I	CHLOROBENZENE-D5	1.000	1.000	0.0	126	0.00	14.54-14.85
		----------	True	Calc.	% Drift	----------		
50	m	2-HEXANONE	10.000	8.731	12.7	114	0.00	12.91-13.31
51	m	TETRACHLOROETHYLENE	10.000	8.780	12.2	102	0.00	13.83-14.24
		----------	AvgRF	CCRF	% Dev	----------		
52	m	DIBROMOCHLOROMETHANE	1.195	1.144	4.3	115	0.00	13.14-13.50
53	m	1,2-DIBROMOETHANE	0.893	0.753	15.7	113	0.00	13.42-13.73
54	m	CHLOROBENZENE	1.072	0.915	14.6	115	0.00	14.59-14.90
55	m	ETHYLBENZENE	1.715	1.636	4.6	114	0.00	14.94-15.31
56	m	m,p-XYLENE	0.689	0.616	10.6	113	0.00	15.15-15.51
57	m	o-XYLENE	0.711	0.624	12.2	118	0.00	15.65-16.01
58	m	STYRENE	0.845	0.777	8.0	107	0.00	15.55-15.86
59	m	NONANE	1.055	0.977	7.4	114	0.00	15.88-16.19
60	m	BROMOFORM	1.155	1.174	-1.6	113	0.00	15.27-15.58
61	S	4-BROMOFLUOROBENZENE	0.768	0.790	-2.9	121	0.00	16.18-16.49
62	m	1,1,2,2-TETRACHLOROETH	1.208	1.131	6.4	119	0.00	15.66-15.97
63	m	ISOPROPYLBENZENE	1.848	1.742	5.7	108	0.00	16.32-16.63
64	m	2-CHLOROTOLUENE	1.414	1.314	7.1	111	0.00	16.83-17.24
		----------	True	Calc.	% Drift	----------		
65	m	4-ETHYLTOLUENE	10.000	8.591	14.1	107	0.00	17.09-17.36
66	m	1,3,5-TRIMETHYLBENZENE	10.000	8.418	15.8	100	0.00	17.18-17.44
67	m	1,2,4-TRIMETHYLBENZENE	10.000	8.654	13.5	109	0.00	17.62-17.93
68	m	m-DICHLOROBENZENE	10.000	8.919	10.8	112	0.00	17.79-18.12
69	m	BENZYL CHLORIDE	10.000	7.312	26.9	102	0.00	17.78-18.09
70	m	p-DICHLOROBENZENE	10.000	8.313	16.9	99	0.00	17.91-18.15
71	m	o-DICHLOROBENZENE	10.000	7.512	24.9	90	0.00	18.27-18.58
72	m	HEXACHLOROBUTADIENE	10.000	7.931	20.7	101	0.00	20.61-21.02
73	m	1,2,4-TRICHLOROBENZENE	10.000	7.531	24.7	85	0.00	20.12-20.53
		----------	AvgRF	CCRF	% Dev	----------		
74	m	NAPHTHALENE		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Q3476.D Q052107T.m Wed May 23 09:42:07 2007 RPT1

GC/MS Volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3465.D
Acq On : 19 May 2007 12:54 am
Operator : PhilipB
Sample : M64940-1
Misc : MS13602,MSQ188,,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 21 09:51:24 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 11:12:42 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.436	128	78431	10.00	PPBV	0.01
35) 1,4-DIFLUOROBENZENE	10.355	114	358188	10.00	PPBV	0.01
49) CHLOROBENZENE-D5	14.696	117	298888	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.336	95	98418	3.83	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 76.60%

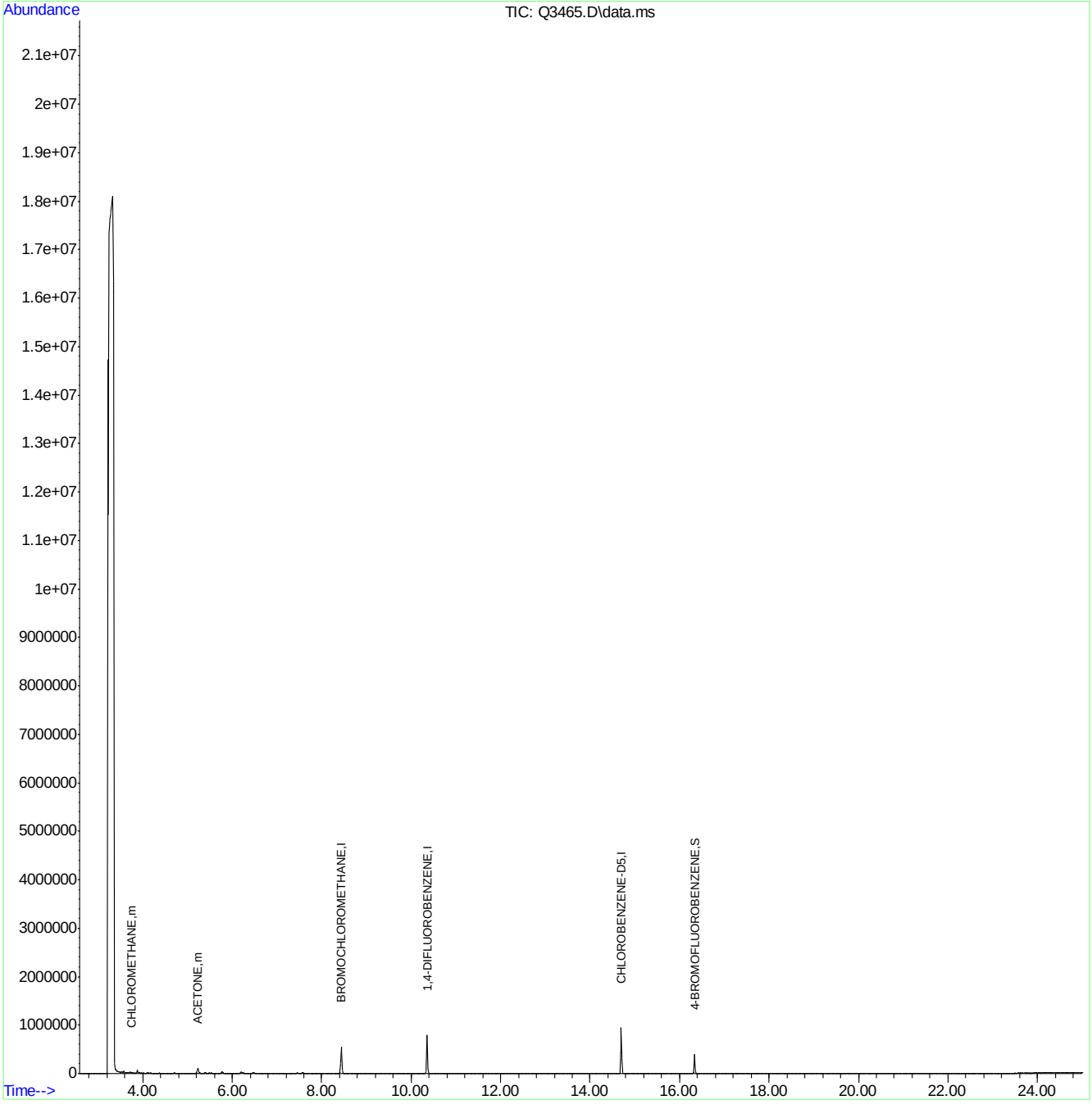
Target Compounds						Qvalue
5) CHLOROMETHANE	3.753	50	13303	0.46	PPBV	84
12) ACETONE	5.229	43	103722	2.53	PPBV	79

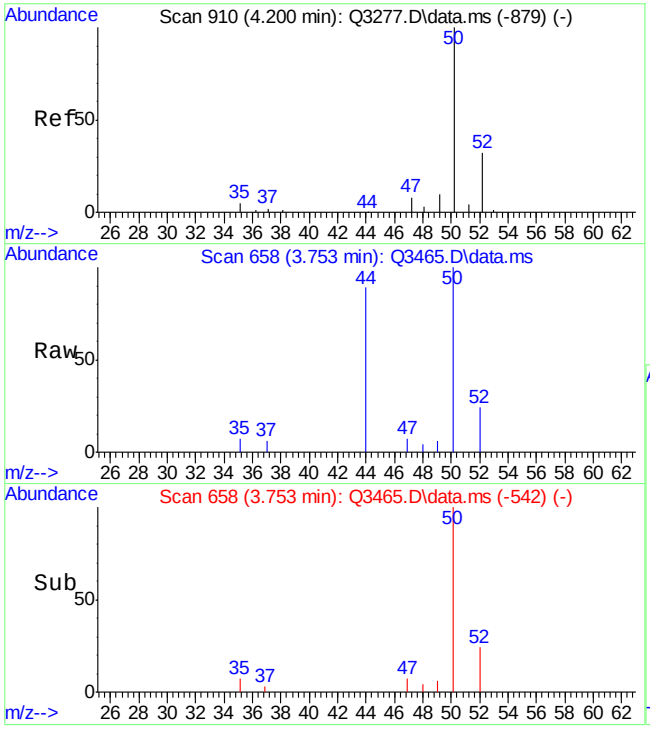
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3465.D
Acq On : 19 May 2007 12:54 am
Operator : PhilipB
Sample : M64940-1
Misc : MS13602,MSQ188,,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 21 09:51:24 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 11:12:42 2007
Response via : Initial Calibration

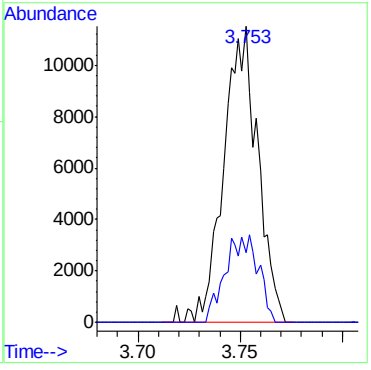


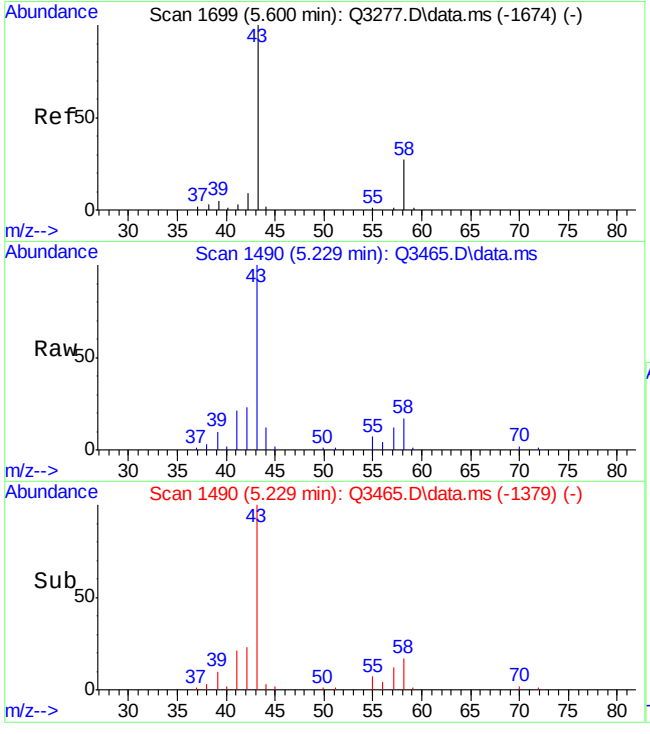


#5
CHLOROMETHANE
Concen: 0.46 PPBV
RT: 3.753 min Scan# 658
Delta R.T. -0.000 min
Lab File: Q3465.D
Acq: 19 May 2007 12:54 am

Tgt Ion: 50 Resp: 13303

Ion	Ratio	Lower	Upper
50	100		
52	23.6	12.8	52.8

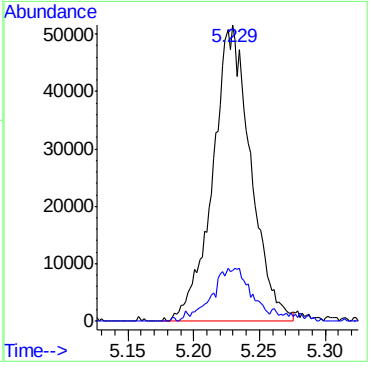




#12
ACETONE
Concen: 2.53 PPBV
RT: 5.229 min Scan# 1490
Delta R.T. 0.041 min
Lab File: Q3465.D
Acq: 19 May 2007 12:54 am

Tgt Ion: 43 Resp: 103722

Ion	Ratio	Lower	Upper
43	100		
58	19.9	0.0	20.3



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3466.D
Acq On : 19 May 2007 1:36 am
Operator : PhilipB
Sample : M64940-2
Misc : MS13602,MSQ188,,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 21 09:52:27 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 11:12:42 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.438	128	75312	10.00	PPBV	0.02
35) 1,4-DIFLUOROBENZENE	10.355	114	343233	10.00	PPBV	0.01
49) CHLOROBENZENE-D5	14.698	117	303883	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.334	95	104993	4.02	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 80.40%

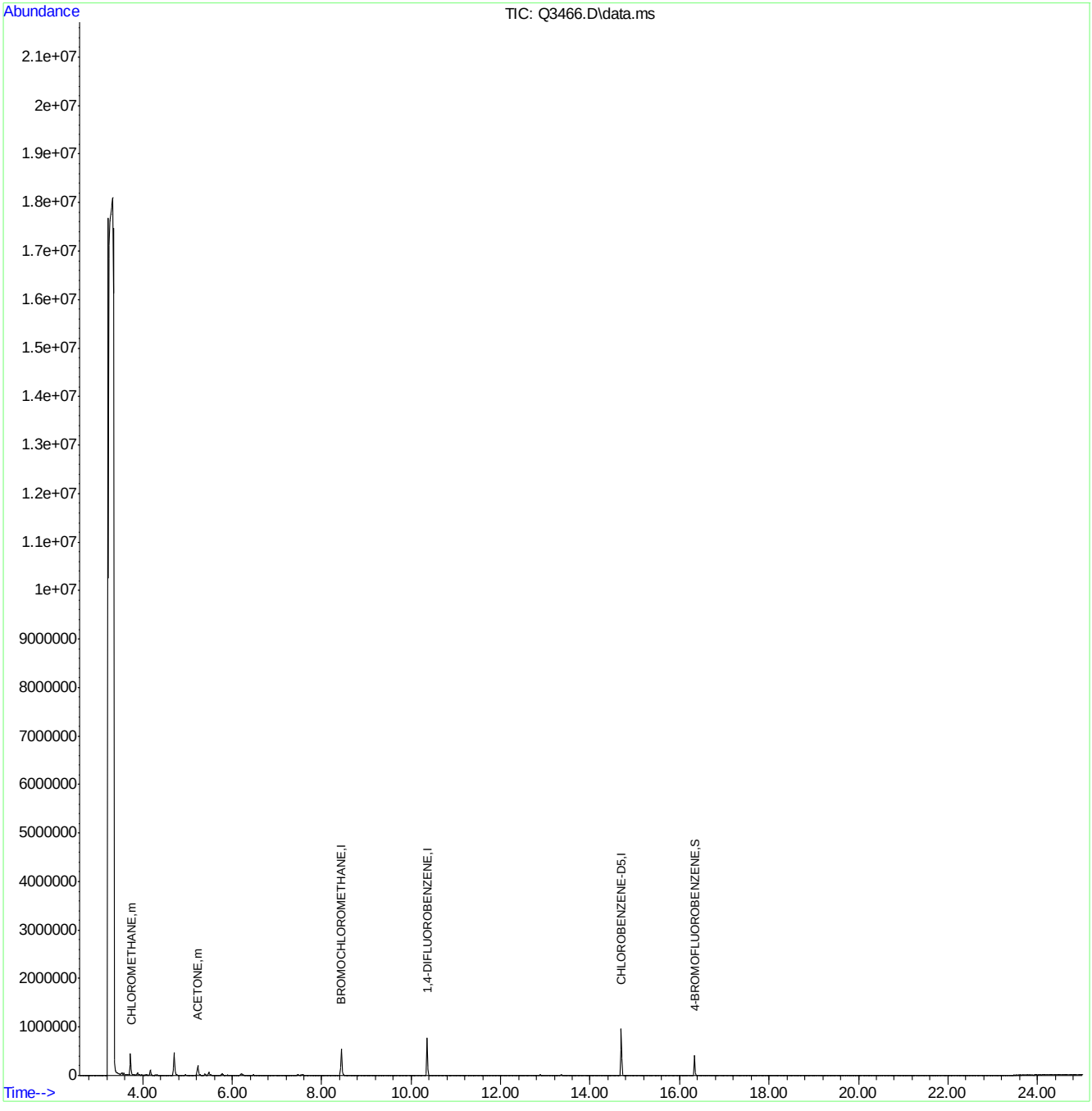
Target Compounds						Qvalue
5) CHLOROMETHANE	3.747	50	17484	0.62	PPBV	86
12) ACETONE	5.228	43	211834	5.39	PPBV #	78

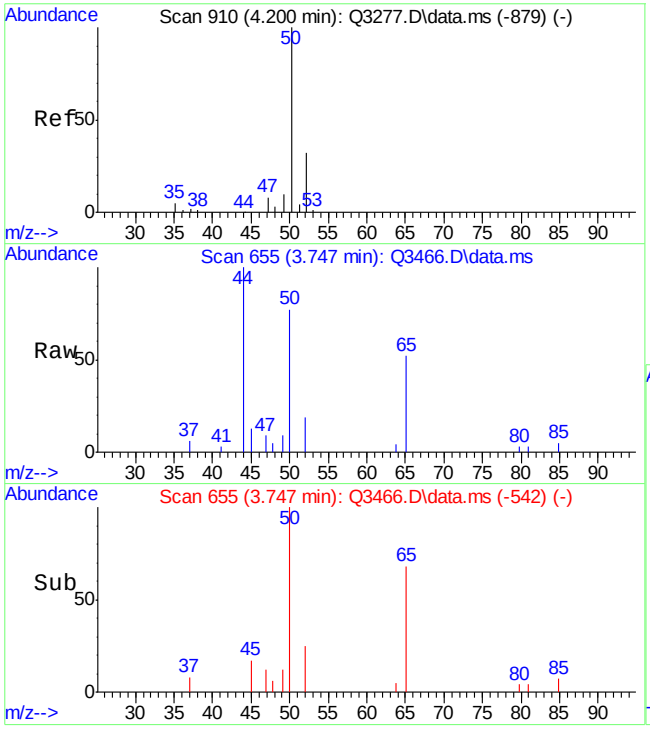
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3466.D
Acq On : 19 May 2007 1:36 am
Operator : PhilipB
Sample : M64940-2
Misc : MS13602,MSQ188,,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 21 09:52:27 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 11:12:42 2007
Response via : Initial Calibration

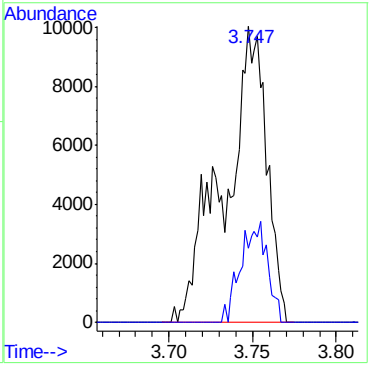


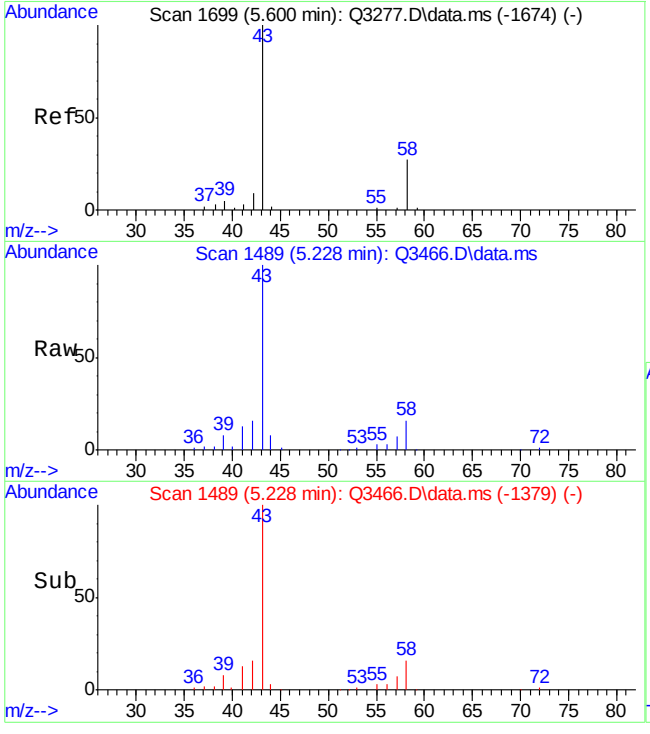


#5
CHLOROMETHANE
Concen: 0.62 PPBV
RT: 3.747 min Scan# 655
Delta R.T. -0.005 min
Lab File: Q3466.D
Acq: 19 May 2007 1:36 am

Tgt Ion: 50 Resp: 17484

Ion	Ratio	Lower	Upper
50	100		
52	25.0	12.8	52.8

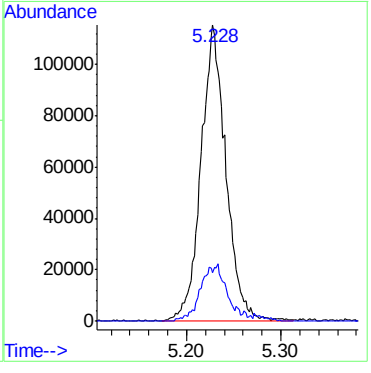




#12
ACETONE
Concen: 5.39 PPBV
RT: 5.228 min Scan# 1489
Delta R.T. 0.040 min
Lab File: Q3466.D
Acq: 19 May 2007 1:36 am

Tgt Ion: 43 Resp: 211834

Ion	Ratio	Lower	Upper
43	100		
58	20.5	0.0	20.3#



Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
05/23/07 10:30

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3467.D
Acq On : 19 May 2007 2:17 am
Operator : PhilipB
Sample : M64940-3
Misc : MS13602,MSQ188,,,,,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 21 09:53:34 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 11:12:42 2007
Response via : Initial Calibration

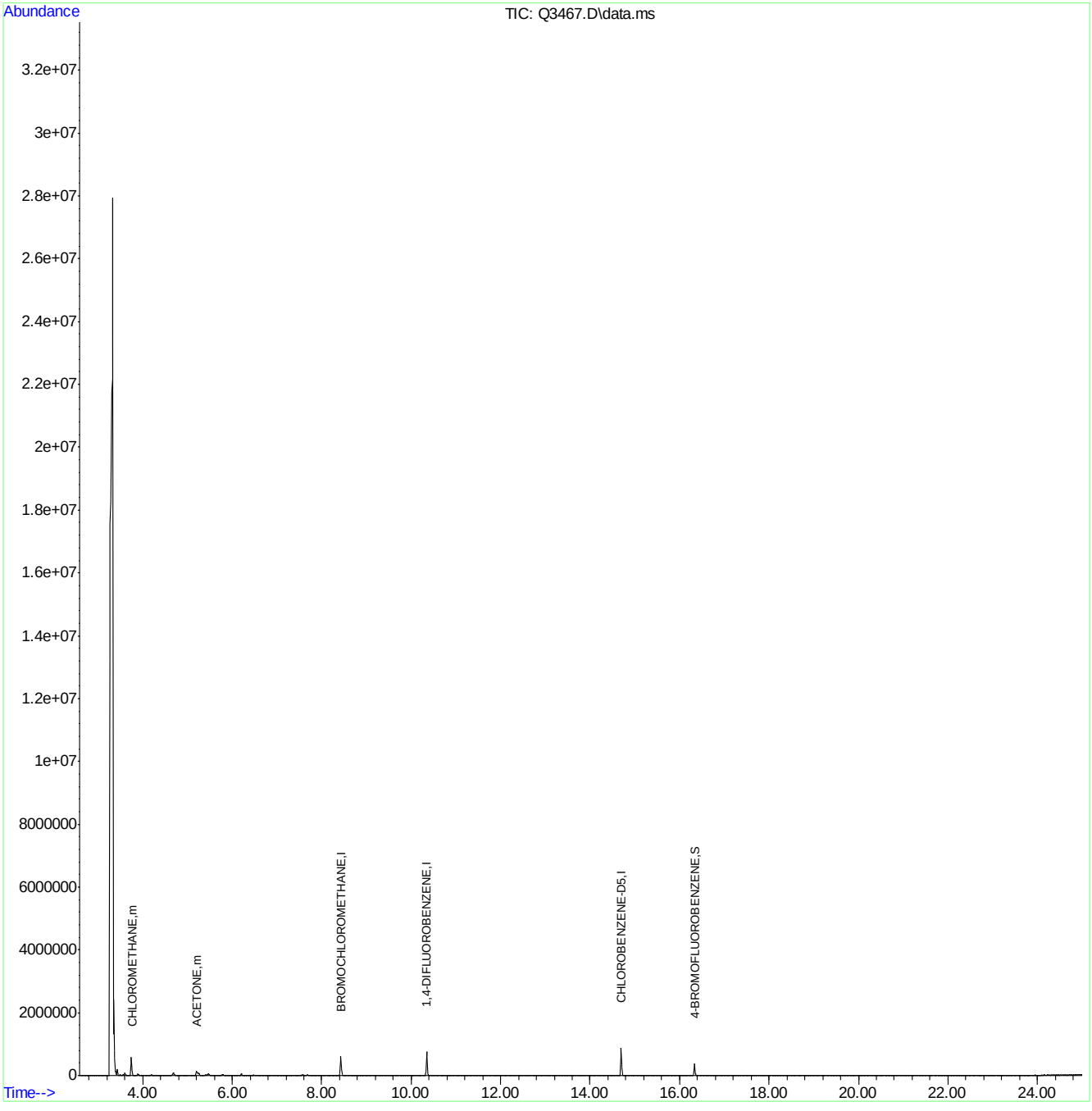
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.429	128	77114	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.346	114	339656	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.696	117	287108	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.332	95	96798	3.92	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 78.40%			
Target Compounds						Qvalue
5) CHLOROMETHANE	3.769	50	22343	0.78	PPBV	93
12) ACETONE	5.203	43	160390m	3.99	PPBV	

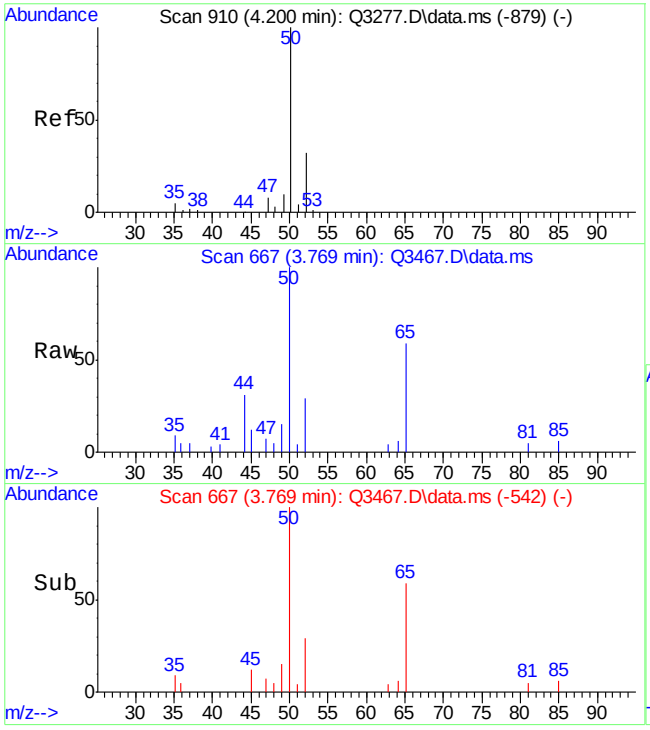
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3467.D
Acq On : 19 May 2007 2:17 am
Operator : PhilipB
Sample : M64940-3
Misc : MS13602,MSQ188,,,,,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 21 09:53:34 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 11:12:42 2007
Response via : Initial Calibration

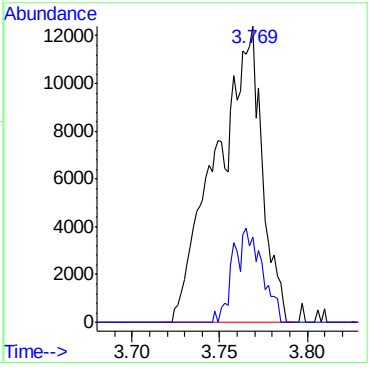


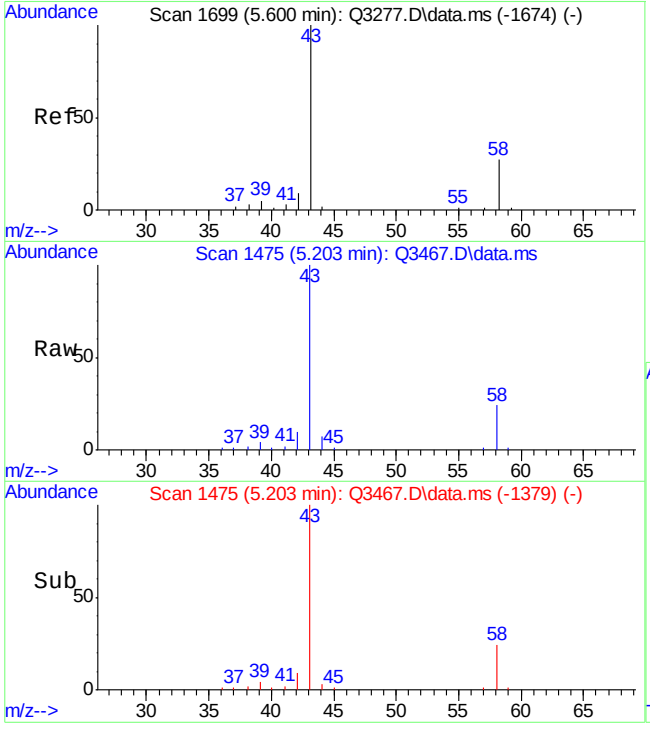


#5
CHLOROMETHANE
Concen: 0.78 PPBV
RT: 3.769 min Scan# 667
Delta R.T. 0.016 min
Lab File: Q3467.D
Acq: 19 May 2007 2:17 am

Tgt Ion: 50 Resp: 22343

Ion	Ratio	Lower	Upper
50	100		
52	29.0	12.8	52.8

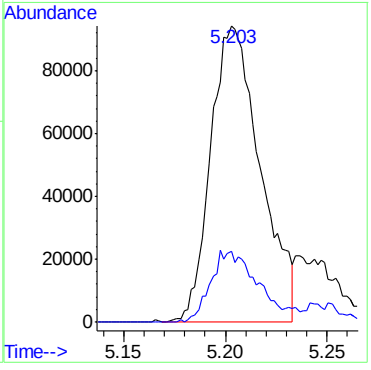




#12
ACETONE
Concen: 3.99 PPBV m
RT: 5.203 min Scan# 1475
Delta R.T. 0.015 min
Lab File: Q3467.D
Acq: 19 May 2007 2:17 am

Tgt Ion: 43 Resp: 160390

Ion	Ratio	Lower	Upper
43	100		
58	23.3	0.0	20.3#

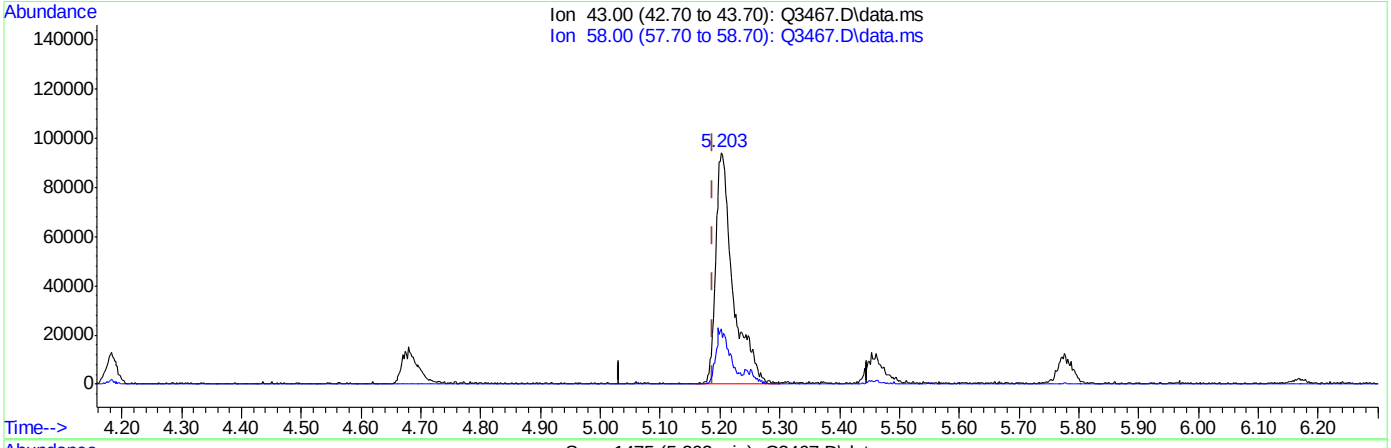


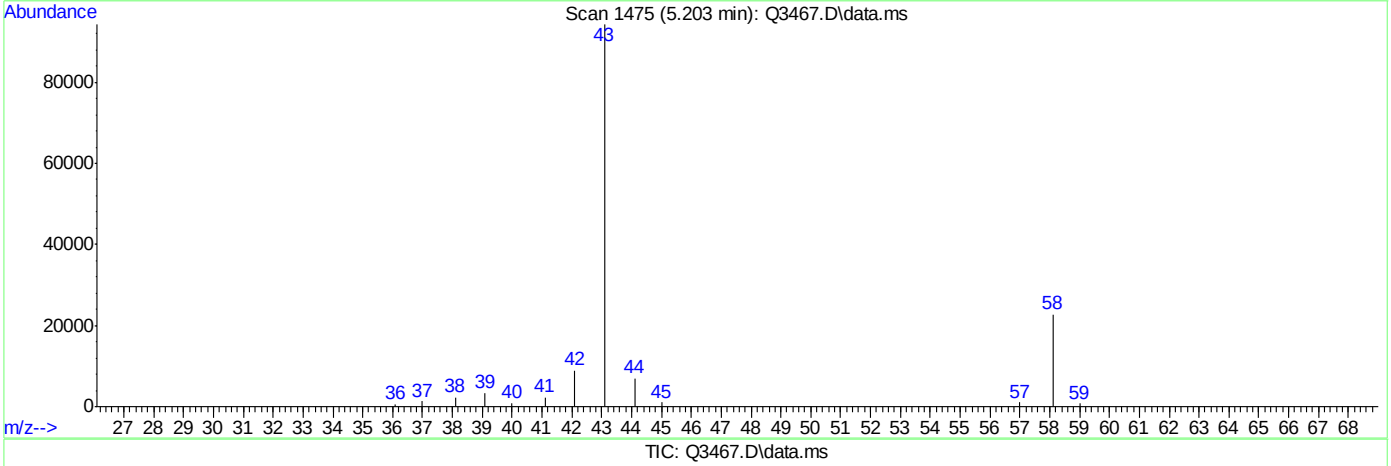
ACCUTEST Laboratories M64940

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3467.D
Acq On : 19 May 2007 2:17 am
Operator : PhilipB
Sample : M64940-3
Misc : MS13602,MSQ188,,,,,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 21 09:52:39 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 11:12:42 2007
Response via : Initial Calibration





(12) ACETONE (m)

5.203min (+0.015) 4.76PPBV

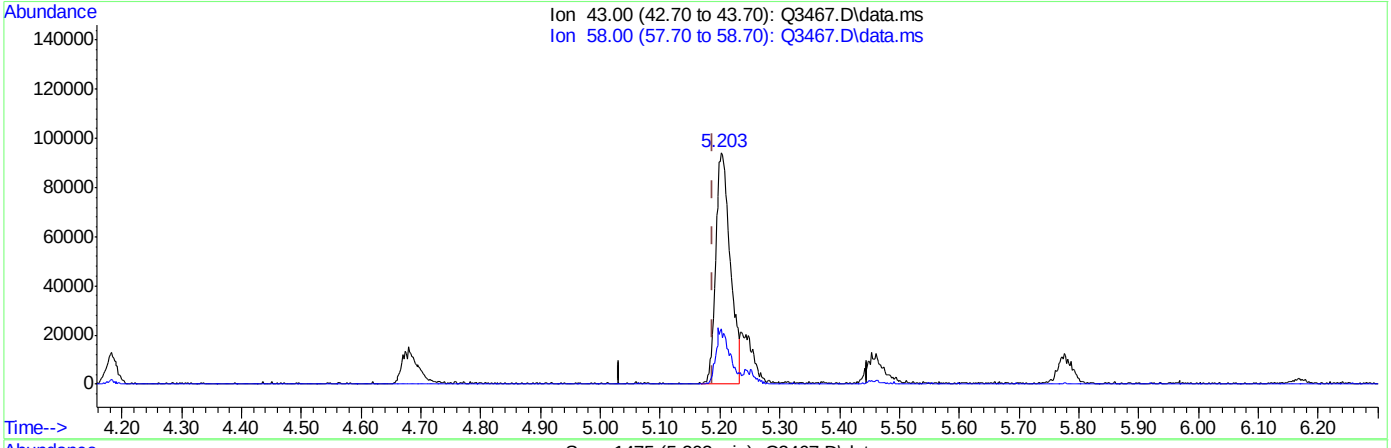
response 191515

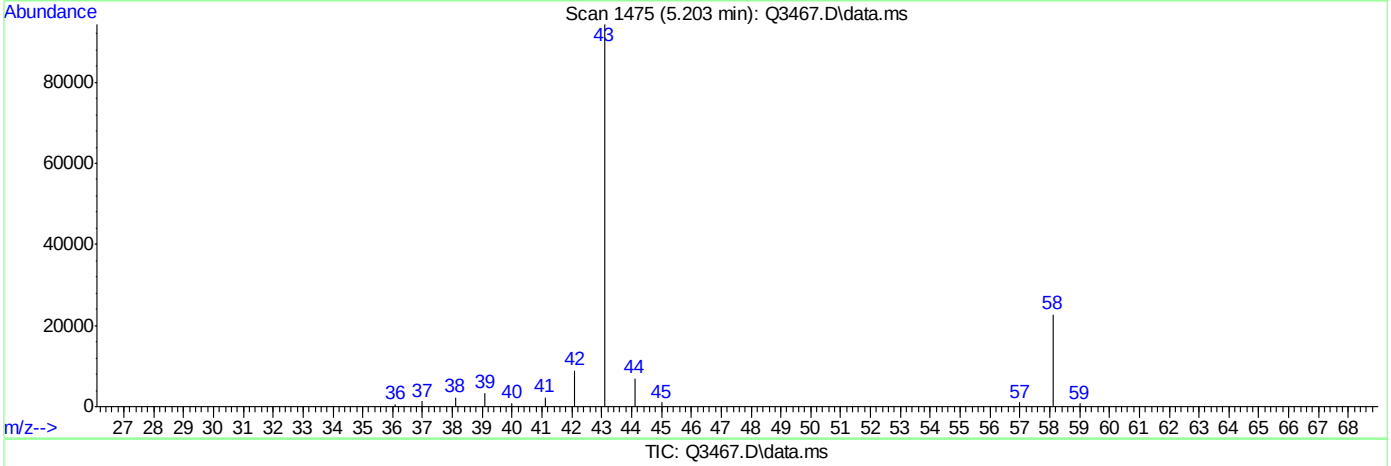
Ion	Exp%	Act%
43.00	100	100
58.00	0.30	19.51
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3467.D
Acq On : 19 May 2007 2:17 am
Operator : PhilipB
Sample : M64940-3
Misc : MS13602,MSQ188,,,,,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 21 09:52:39 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 11:12:42 2007
Response via : Initial Calibration





TIC: Q3467.D\data.ms

(12) ACETONE (m)

5.203min (+0.015) 3.99PPBV m

response 160390

Ion	Exp%	Act%
43.00	100	100
58.00	0.30	23.30#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3468.D
Acq On : 19 May 2007 2:58 am
Operator : PhilipB
Sample : M64940-4
Misc : MS13602,MSQ188,,,,,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 21 09:54:32 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 11:12:42 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.428	128	76161	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.346	114	330002	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.694	117	286014	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.336	95	96427	3.92	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 78.40%

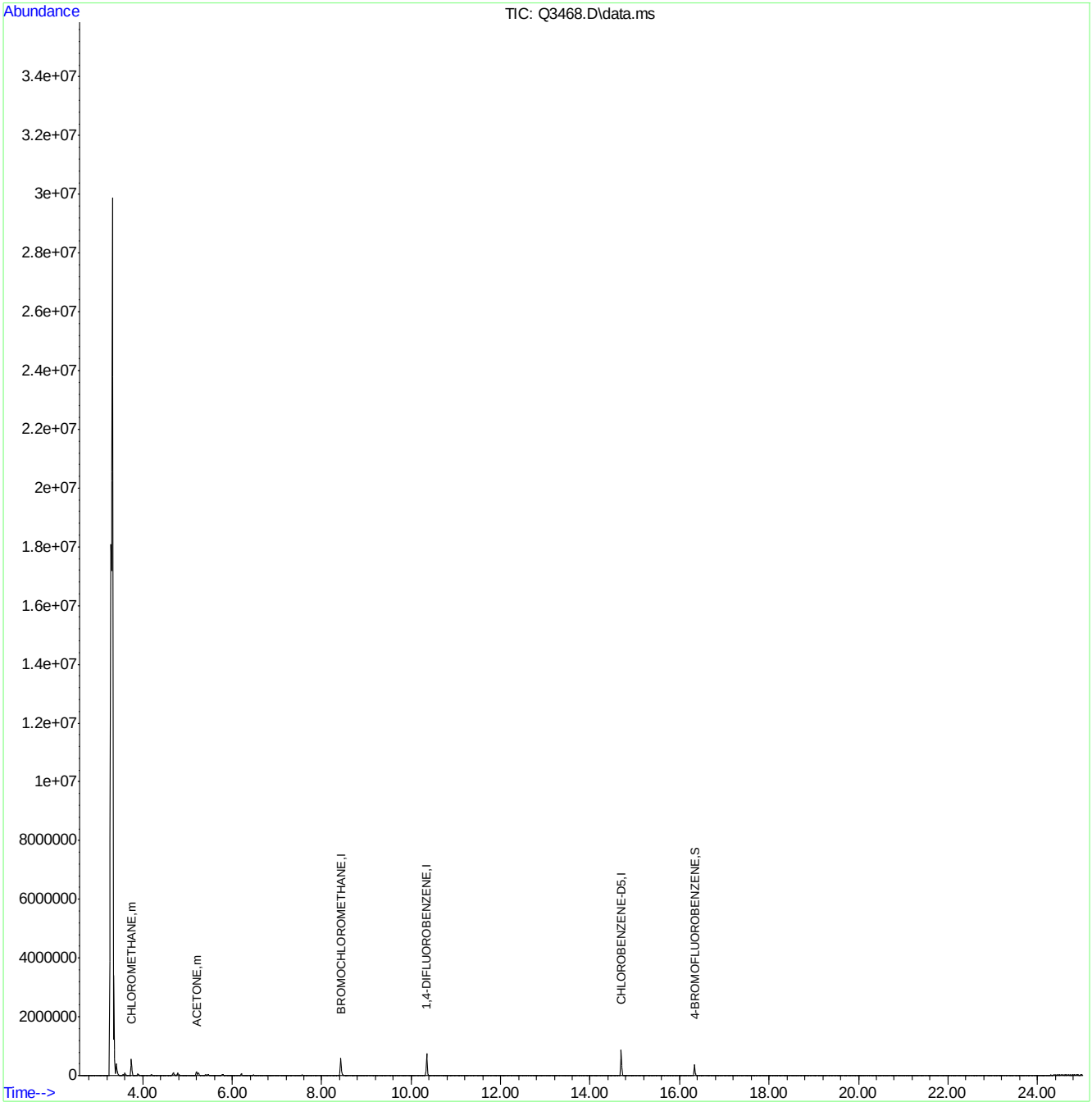
Target Compounds						Qvalue
5) CHLOROMETHANE	3.765	50	13725	0.48	PPBV	69
12) ACETONE	5.199	43	156851	3.95	PPBV #	78

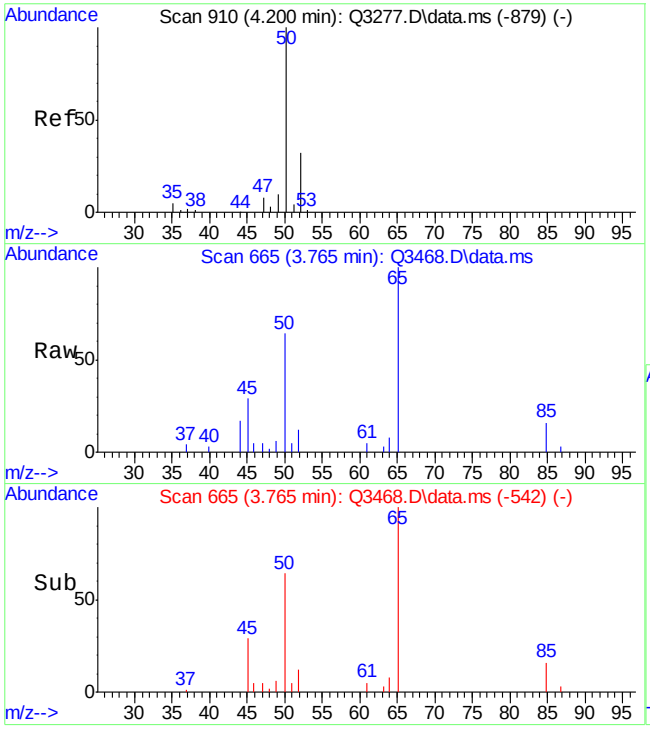
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3468.D
Acq On : 19 May 2007 2:58 am
Operator : PhilipB
Sample : M64940-4
Misc : MS13602,MSQ188,,,,,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 21 09:54:32 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 11:12:42 2007
Response via : Initial Calibration

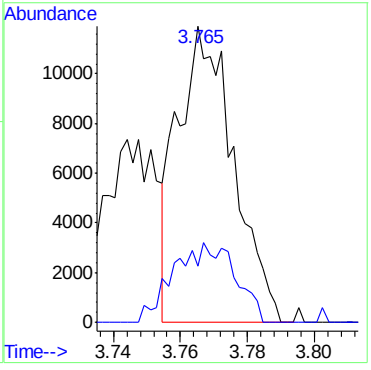


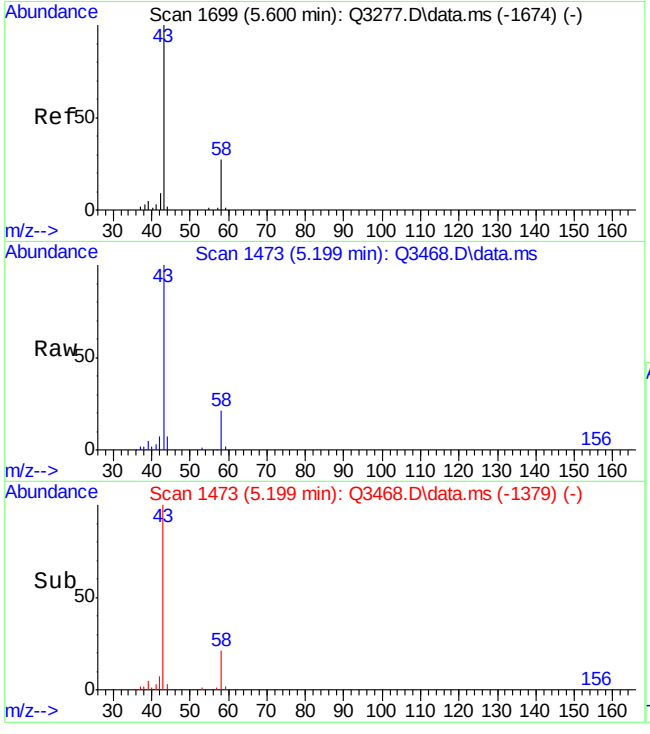


#5
CHLOROMETHANE
Concen: 0.48 PPBV
RT: 3.765 min Scan# 665
Delta R.T. 0.012 min
Lab File: Q3468.D
Acq: 19 May 2007 2:58 am

Tgt Ion: 50 Resp: 13725

Ion	Ratio	Lower	Upper
50	100		
52	15.1	12.8	52.8

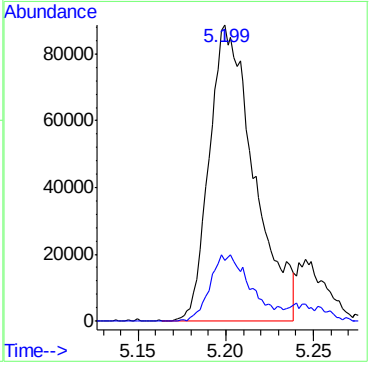




#12
ACETONE
Concen: 3.95 PPBV
RT: 5.199 min Scan# 1473
Delta R.T. 0.011 min
Lab File: Q3468.D
Acq: 19 May 2007 2:58 am

Tgt Ion: 43 Resp: 156851

Ion	Ratio	Lower	Upper
43	100		
58	20.8	0.0	20.3#



ACCUTEST Laboratories M64940

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
05/23/07 10:30

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3469.D
Acq On : 19 May 2007 3:38 am
Operator : PhilipB
Sample : M64940-5
Misc : MS13602,MSQ188,,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 21 09:55:33 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 11:12:42 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.436	128	74297	10.00	PPBV	0.01
35) 1,4-DIFLUOROBENZENE	10.355	114	331260	10.00	PPBV	0.01
49) CHLOROBENZENE-D5	14.696	117	289645	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.334	95	103401	4.15	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 83.00%

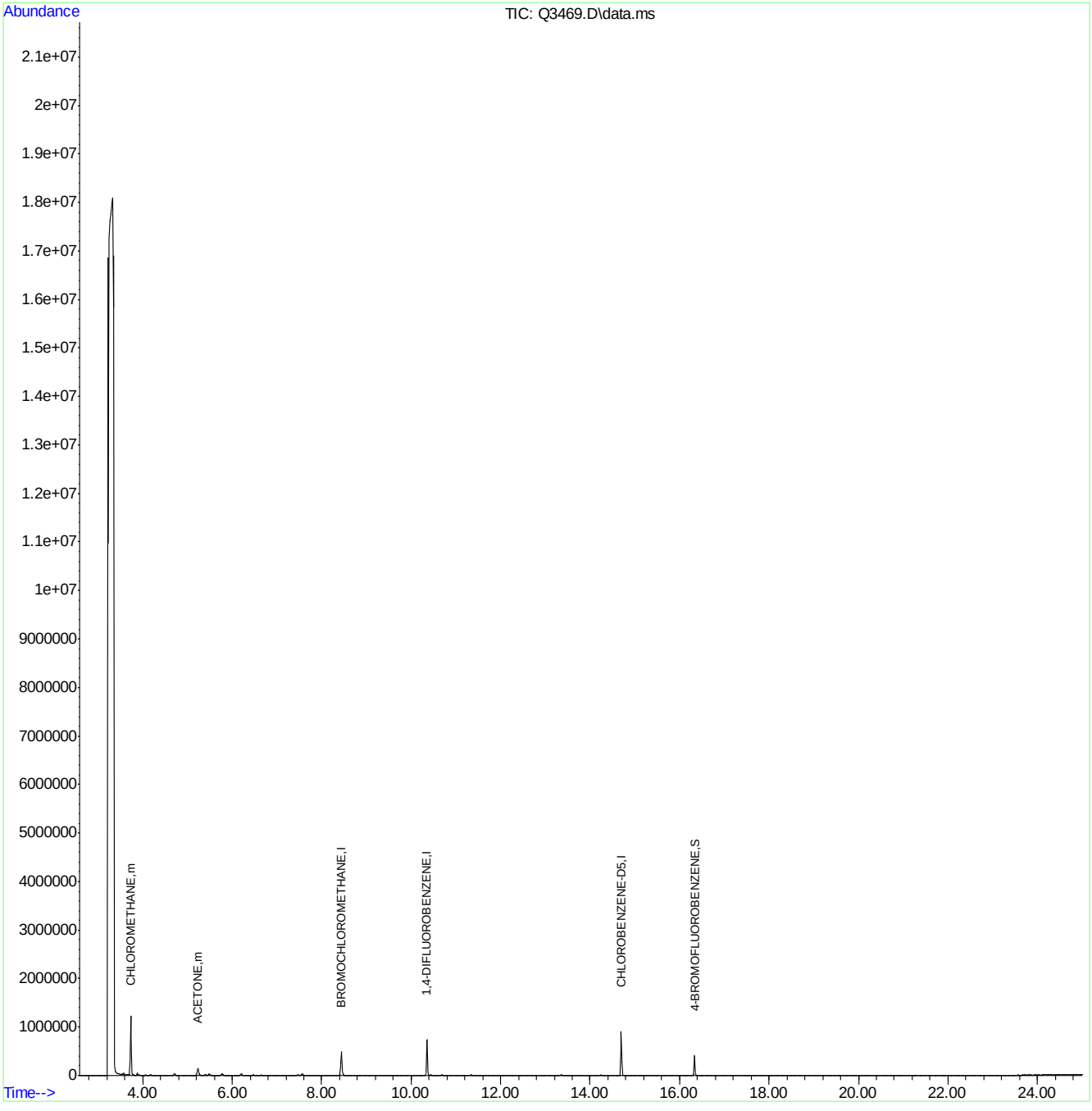
Target Compounds						Qvalue
5) CHLOROMETHANE	3.746	50	11258m	0.41	PPBV	
12) ACETONE	5.226	43	150854	3.89	PPBV #	78

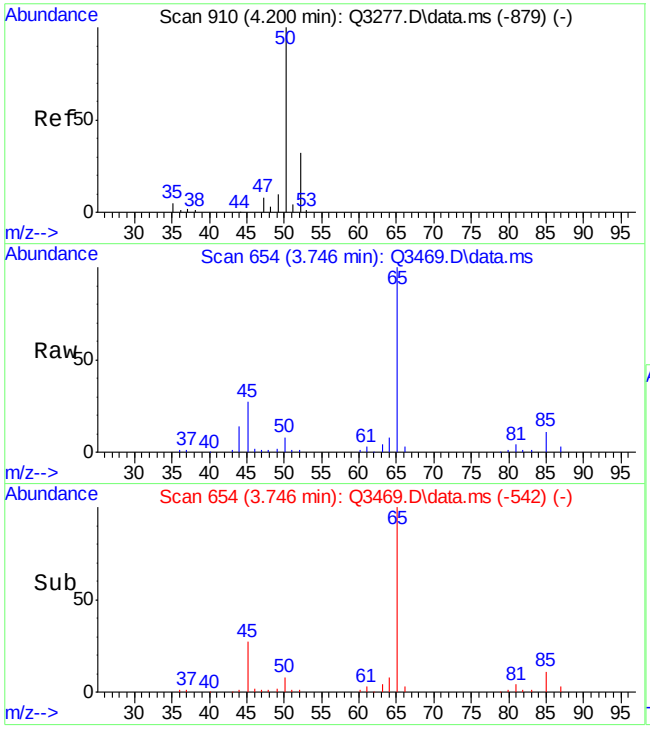
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3469.D
Acq On : 19 May 2007 3:38 am
Operator : PhilipB
Sample : M64940-5
Misc : MS13602,MSQ188,,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 21 09:55:33 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 11:12:42 2007
Response via : Initial Calibration

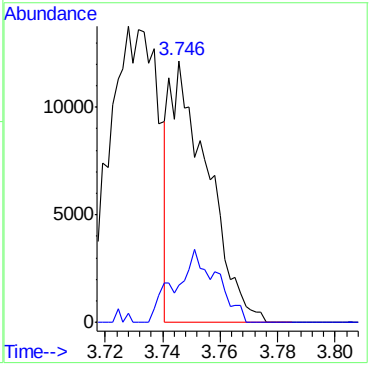


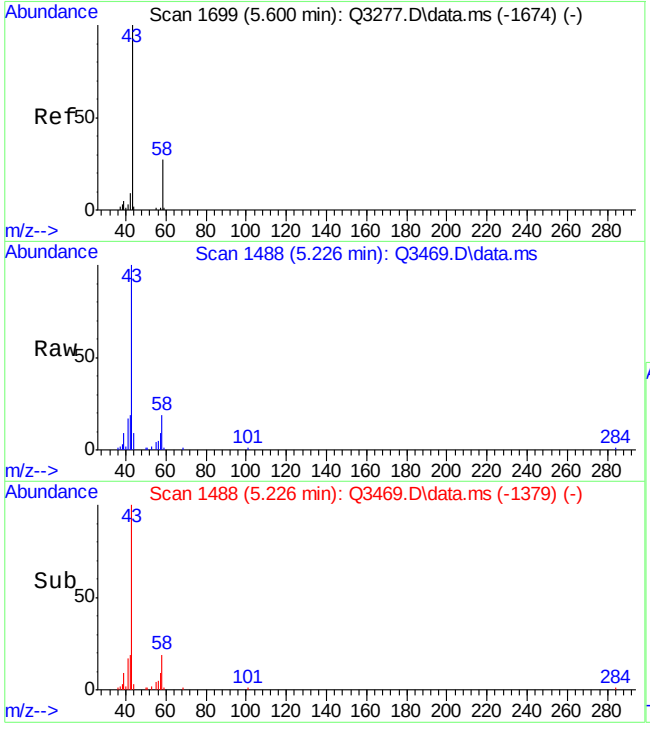


#5
CHLOROMETHANE
Concen: 0.41 PPBV m
RT: 3.746 min Scan# 654
Delta R.T. -0.007 min
Lab File: Q3469.D
Acq: 19 May 2007 3:38 am

Tgt Ion: 50 Resp: 11258

Ion	Ratio	Lower	Upper
50	100		
52	14.2	12.8	52.8

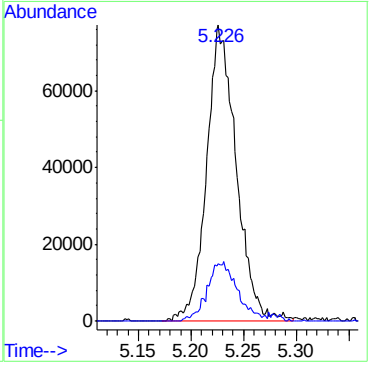




#12
ACETONE
Concen: 3.89 PPBV
RT: 5.226 min Scan# 1488
Delta R.T. 0.038 min
Lab File: Q3469.D
Acq: 19 May 2007 3:38 am

Tgt Ion: 43 Resp: 150854

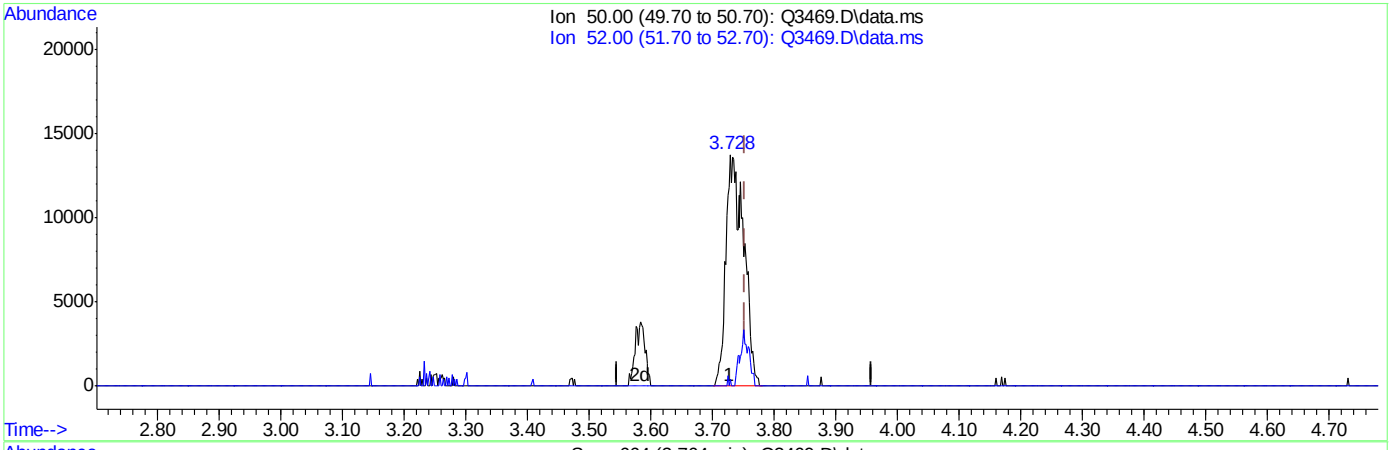
Ion	Ratio	Lower	Upper
43	100		
58	20.5	0.0	20.3#

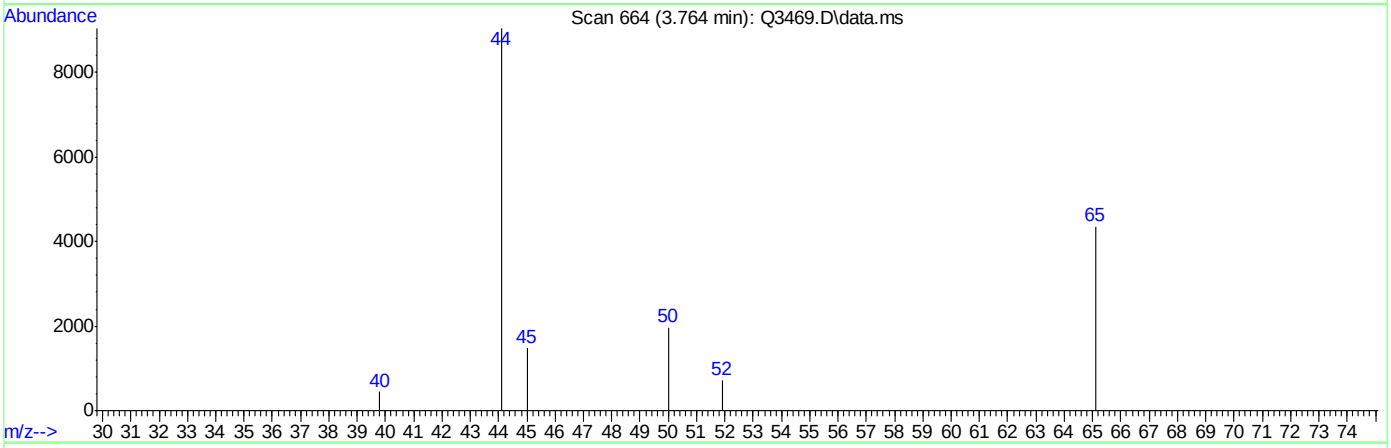


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3469.D
Acq On : 19 May 2007 3:38 am
Operator : PhilipB
Sample : M64940-5
Misc : MS13602,MSQ188,,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 21 09:54:42 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 11:12:42 2007
Response via : Initial Calibration





TIC: Q3469.D\data.ms

(5) CHLOROMETHANE (m)

3.728min (-0.025) 1.01PPBV

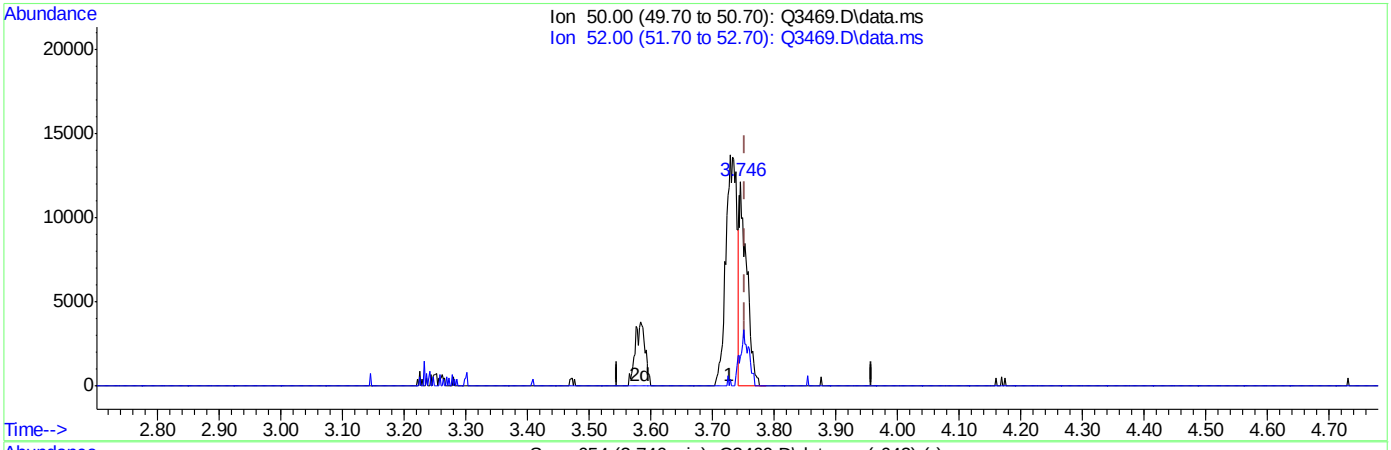
response 27942

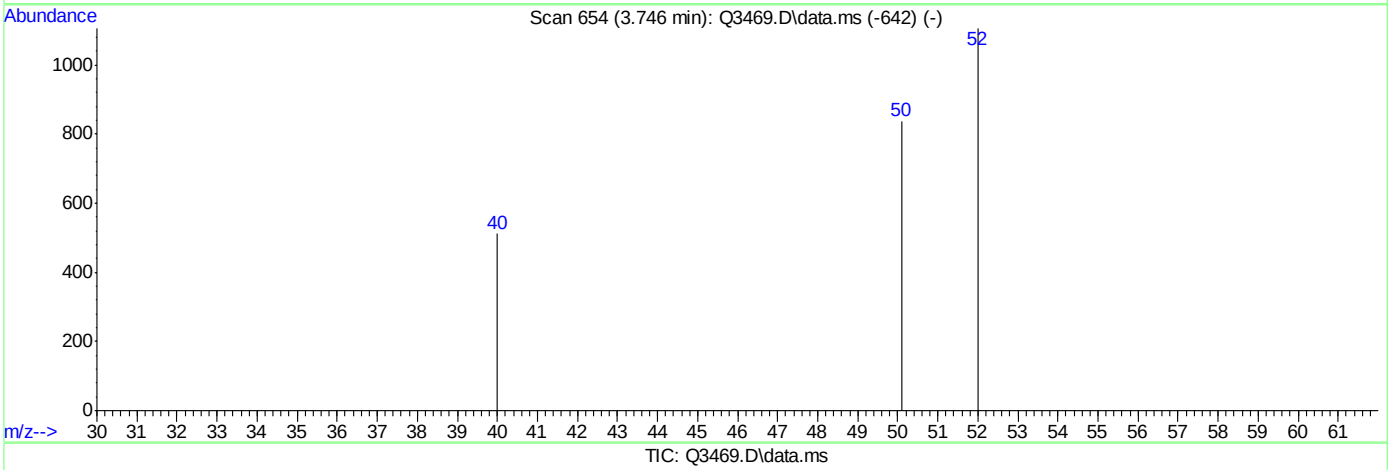
Ion	Exp%	Act%
50.00	100	100
52.00	32.80	2.96#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3469.D
Acq On : 19 May 2007 3:38 am
Operator : PhilipB
Sample : M64940-5
Misc : MS13602,MSQ188,,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 21 09:54:42 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 11:12:42 2007
Response via : Initial Calibration





TIC: Q3469.D\data.ms

(5) CHLOROMETHANE (m)

3.746min (-0.007) 0.41PPBV m

response 11258

Ion	Exp%	Act%
50.00	100	100
52.00	32.80	14.19
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3470.D
Acq On : 19 May 2007 4:19 am
Operator : PhilipB
Sample : M64940-6
Misc : MS13602,MSQ188,,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 21 09:56:29 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 11:12:42 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.440	128	73348	10.00	PPBV	0.02
35) 1,4-DIFLUOROBENZENE	10.355	114	329630	10.00	PPBV	0.01
49) CHLOROBENZENE-D5	14.698	117	310112	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.336	95	106024	3.98	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 79.60%

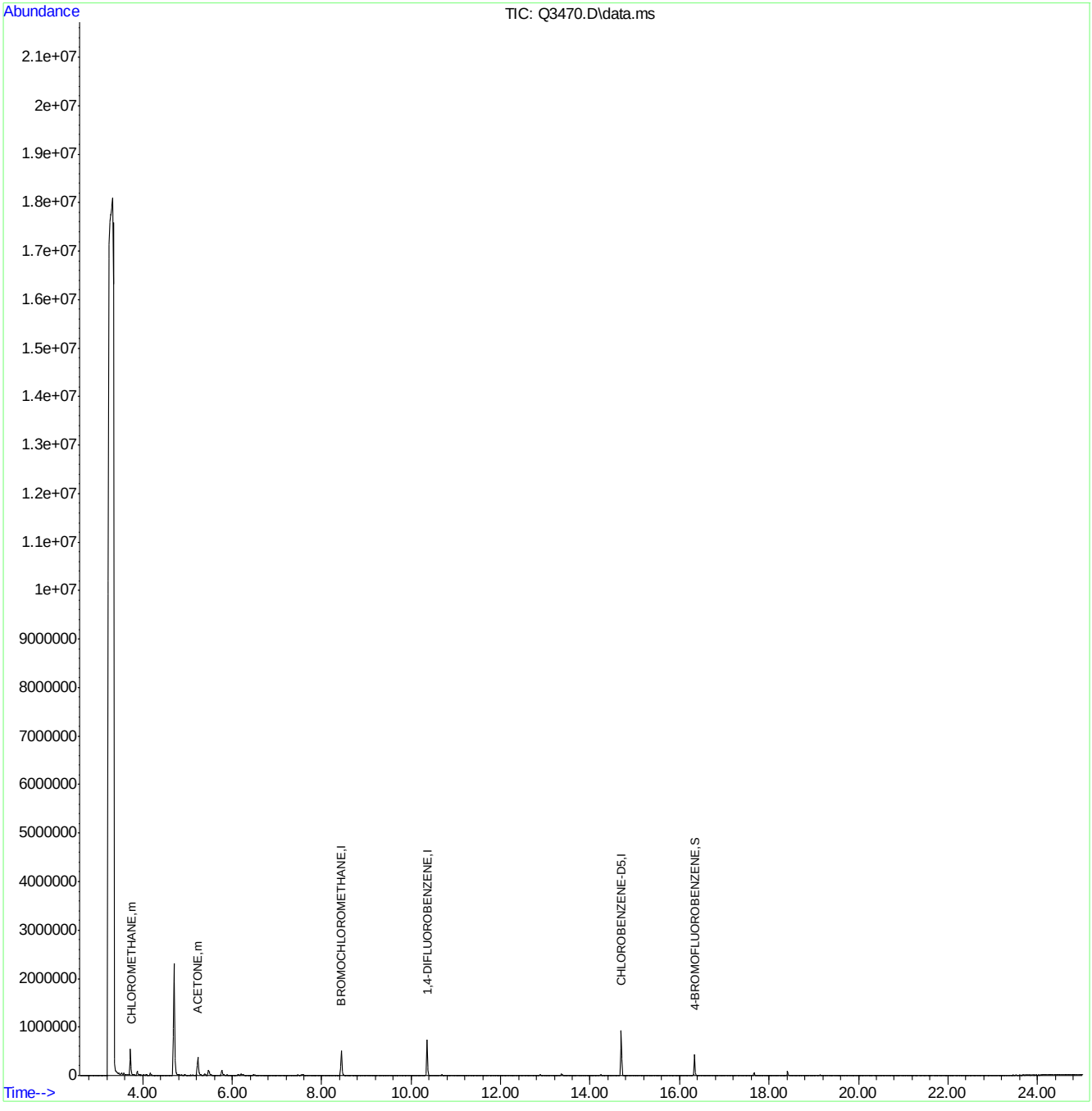
Target Compounds						Qvalue
5) CHLOROMETHANE	3.747	50	12380	0.45	PPBV	83
12) ACETONE	5.228	43	306655	8.01	PPBV	80

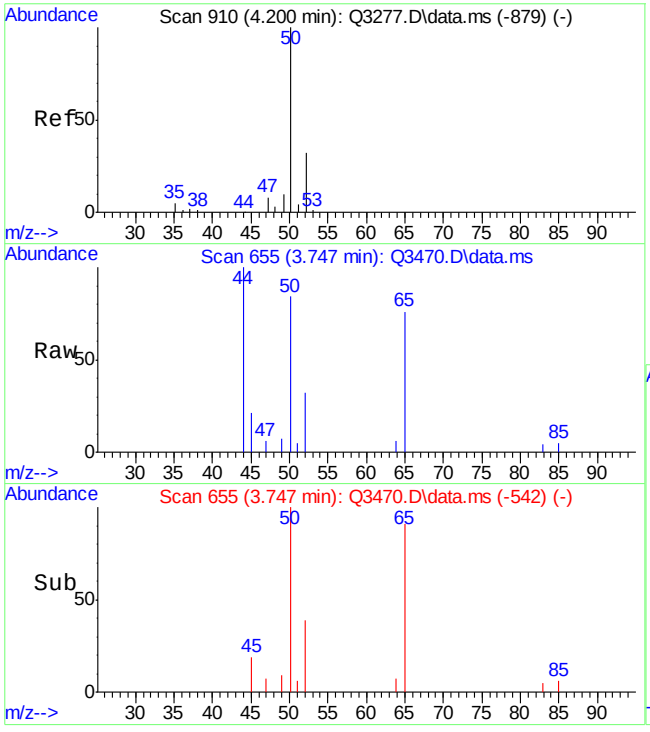
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3470.D
Acq On : 19 May 2007 4:19 am
Operator : PhilipB
Sample : M64940-6
Misc : MS13602,MSQ188,,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 21 09:56:29 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 11:12:42 2007
Response via : Initial Calibration

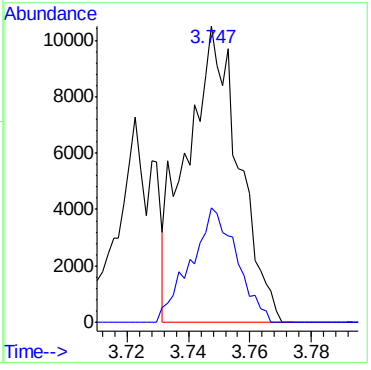


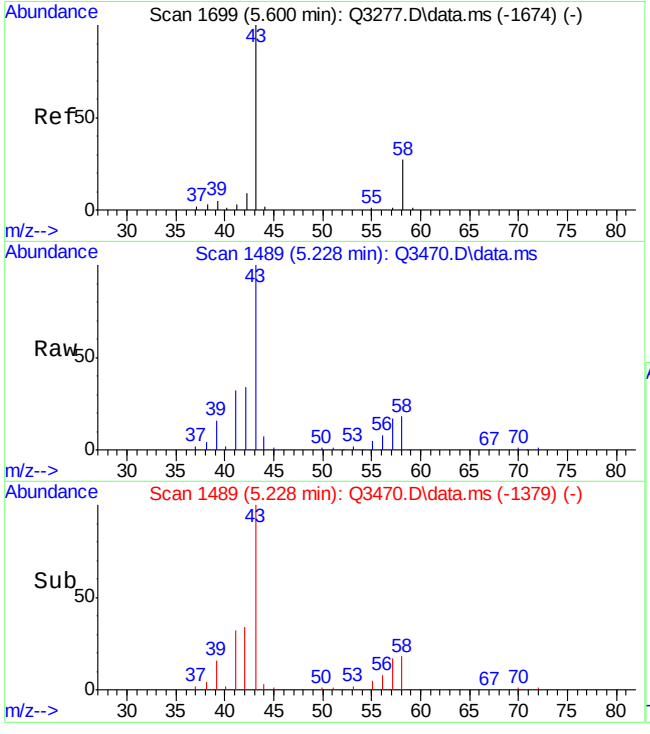


#5
CHLOROMETHANE
Concen: 0.45 PPBV
RT: 3.747 min Scan# 655
Delta R.T. -0.005 min
Lab File: Q3470.D
Acq: 19 May 2007 4:19 am

Tgt Ion: 50 Resp: 12380

Ion	Ratio	Lower	Upper
50	100		
52	42.5	12.8	52.8

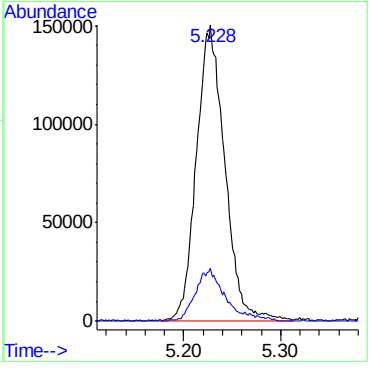




#12
ACETONE
Concen: 8.01 PPBV
RT: 5.228 min Scan# 1489
Delta R.T. 0.040 min
Lab File: Q3470.D
Acq: 19 May 2007 4:19 am

Tgt Ion: 43 Resp: 306655

Ion	Ratio	Lower	Upper
43	100		
58	18.5	0.0	20.3



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3499.D
Acq On : 23 May 2007 9:56 am
Operator : PhilipB
Sample : M64940-7
Misc : MS13602,MSQ190,,,,,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: May 23 11:45:38 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:36:34 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.428	128	74236	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.346	114	322136	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.691	117	293490	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.332	95	100684	4.47	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 89.40%

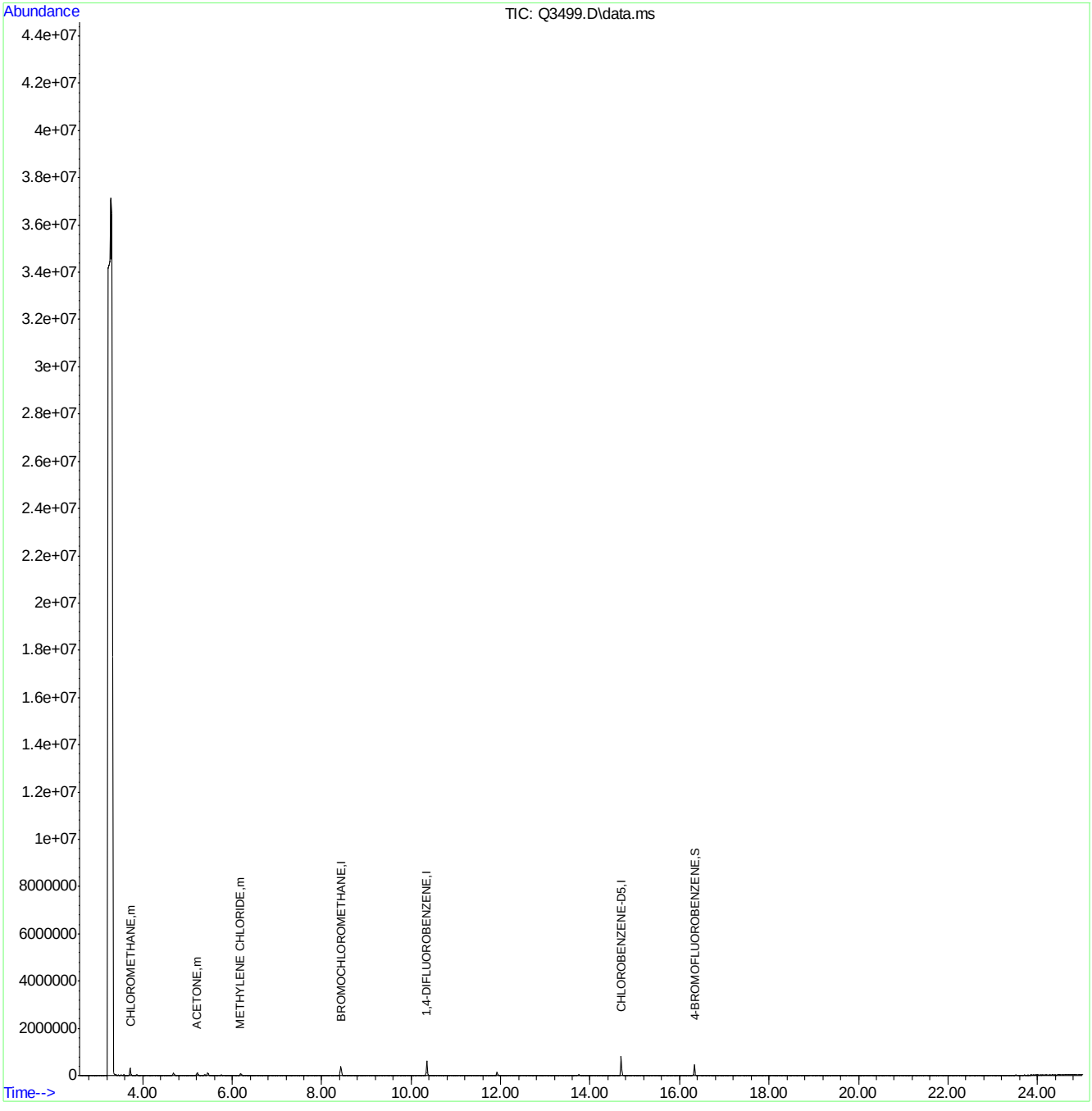
Target Compounds						Qvalue
5) CHLOROMETHANE	3.735	50	5850	0.42	PPBV	78
12) ACETONE	5.213	43	119405	3.79	PPBV	83
18) METHYLENE CHLORIDE	6.184	84	28371	1.56	PPBV #	1

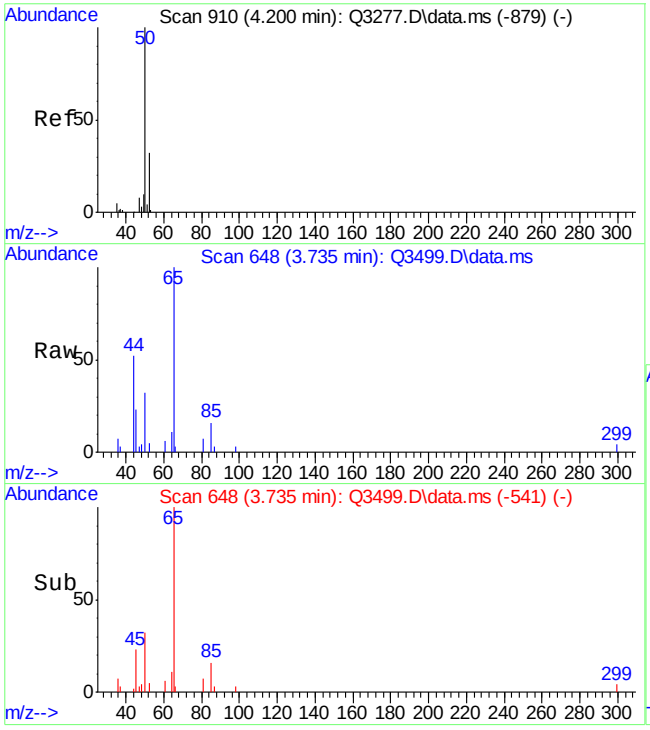
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3499.D
Acq On : 23 May 2007 9:56 am
Operator : PhilipB
Sample : M64940-7
Misc : MS13602,MSQ190,,,,,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: May 23 11:45:38 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:36:34 2007
Response via : Initial Calibration

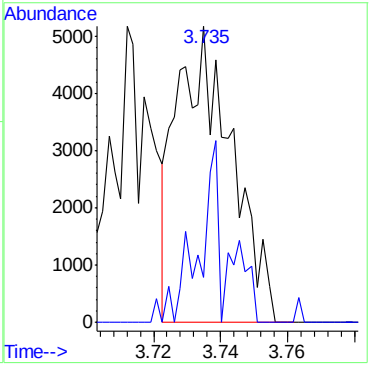


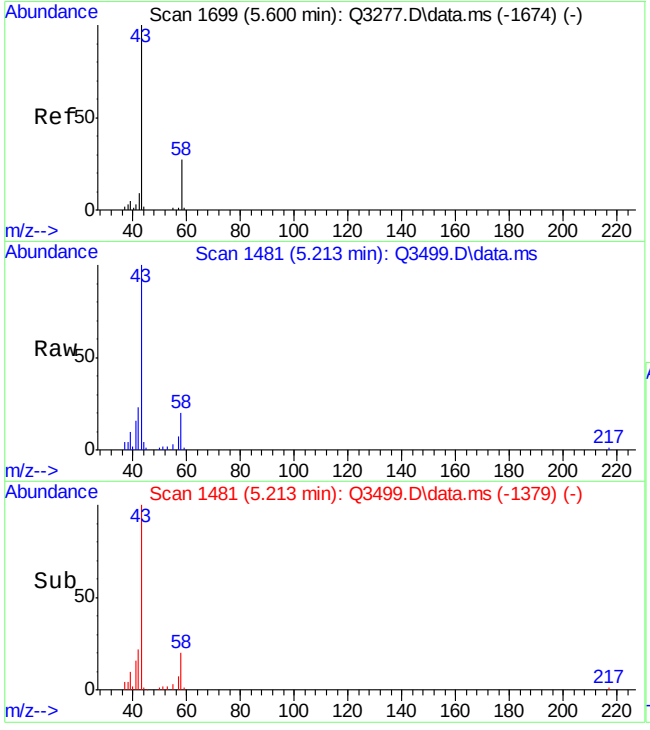


#5
CHLOROMETHANE
Concen: 0.42 PPBV
RT: 3.735 min Scan# 648
Delta R.T. -0.017 min
Lab File: Q3499.D
Acq: 23 May 2007 9:56 am

Tgt Ion: 50 Resp: 5850

Ion	Ratio	Lower	Upper
50	100		
52	20.6	12.8	52.8

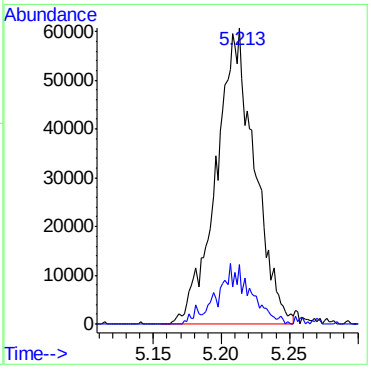




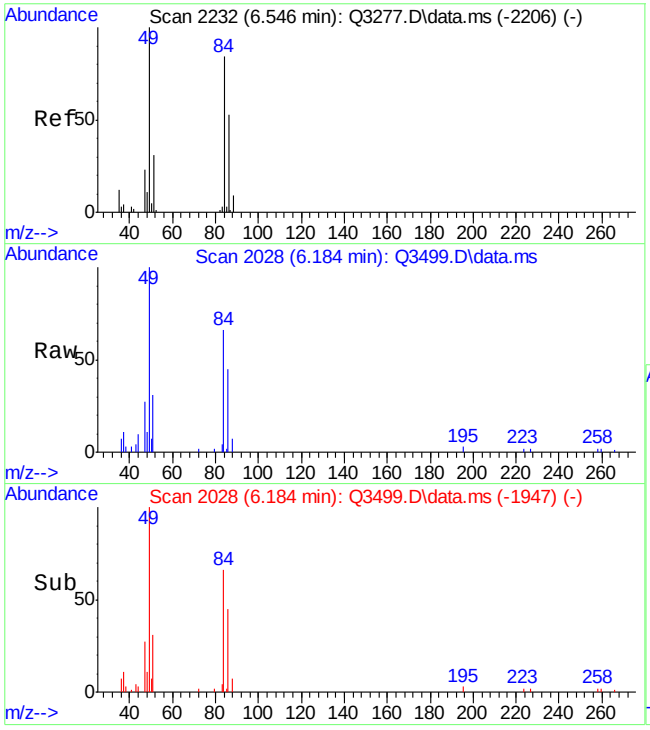
#12
ACETONE
Concen: 3.79 PPBV
RT: 5.213 min Scan# 1481
Delta R.T. 0.025 min
Lab File: Q3499.D
Acq: 23 May 2007 9:56 am

Tgt Ion: 43 Resp: 119405

Ion	Ratio	Lower	Upper
43	100		
58	16.3	0.0	20.3



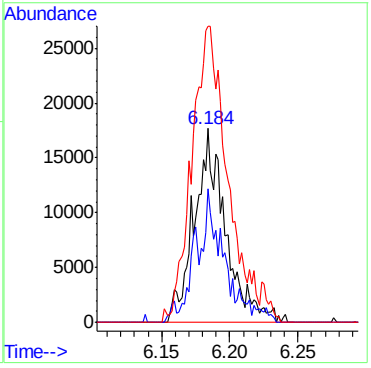
ACCUTEST Laboratories M64940



#18
METHYLENE CHLORIDE
Concen: 1.56 PPBV
RT: 6.184 min Scan# 2028
Delta R.T. -0.007 min
Lab File: Q3499.D
Acq: 23 May 2007 9:56 am

Tgt Ion: 84 Resp: 28371

Ion	Ratio	Lower	Upper
84	100		
86	53.8	0.0	21.1#
49	176.6	0.0	204.0

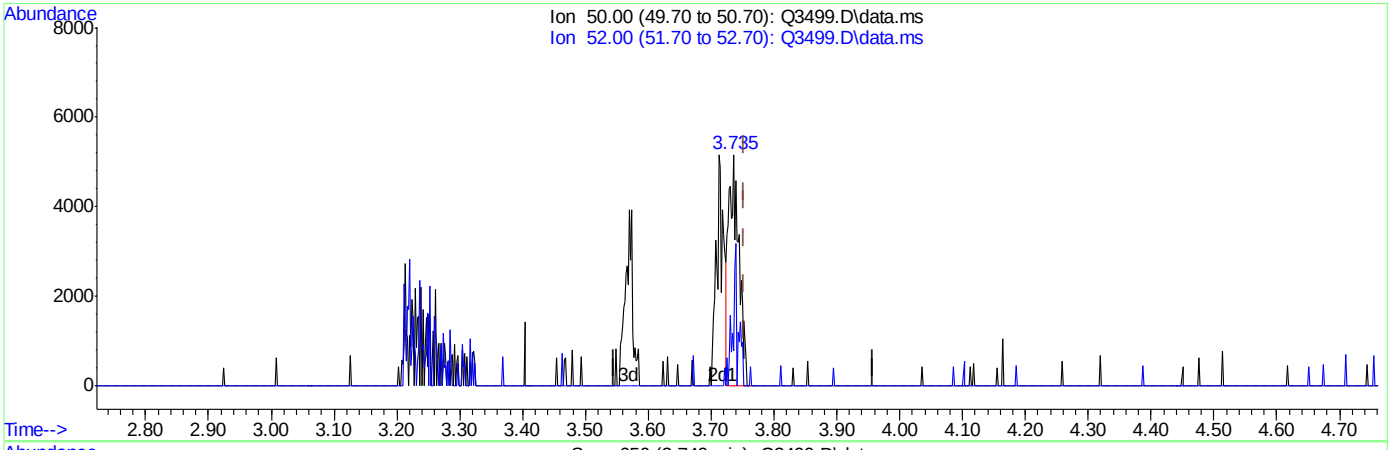


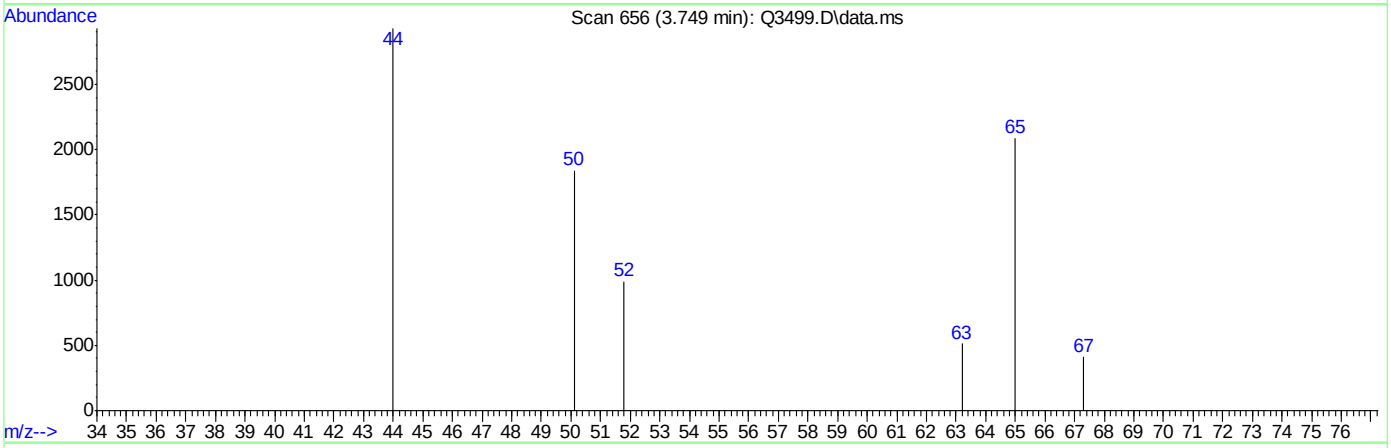
ACCUTEST Laboratories M64940

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3499.D
Acq On : 23 May 2007 9:56 am
Operator : PhilipB
Sample : M64940-7
Misc : MS13602,MSQ190,,,,,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: May 23 11:43:37 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:36:34 2007
Response via : Initial Calibration





TIC: Q3499.D\data.ms

(5) CHLOROMETHANE (m)

3.735min (-0.017) 0.42PPBV

response 5850

Ion	Exp%	Act%
50.00	100	100
52.00	32.80	20.59
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3464.D
Acq On : 19 May 2007 12:14 am
Operator : PhilipB
Sample : M64940-8
Misc : MS13602,MSQ188,,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 21 09:49:38 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 11:12:42 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.424	128	83953	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.344	114	369438	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.694	117	321453	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.334	95	113446	4.11	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 82.20%

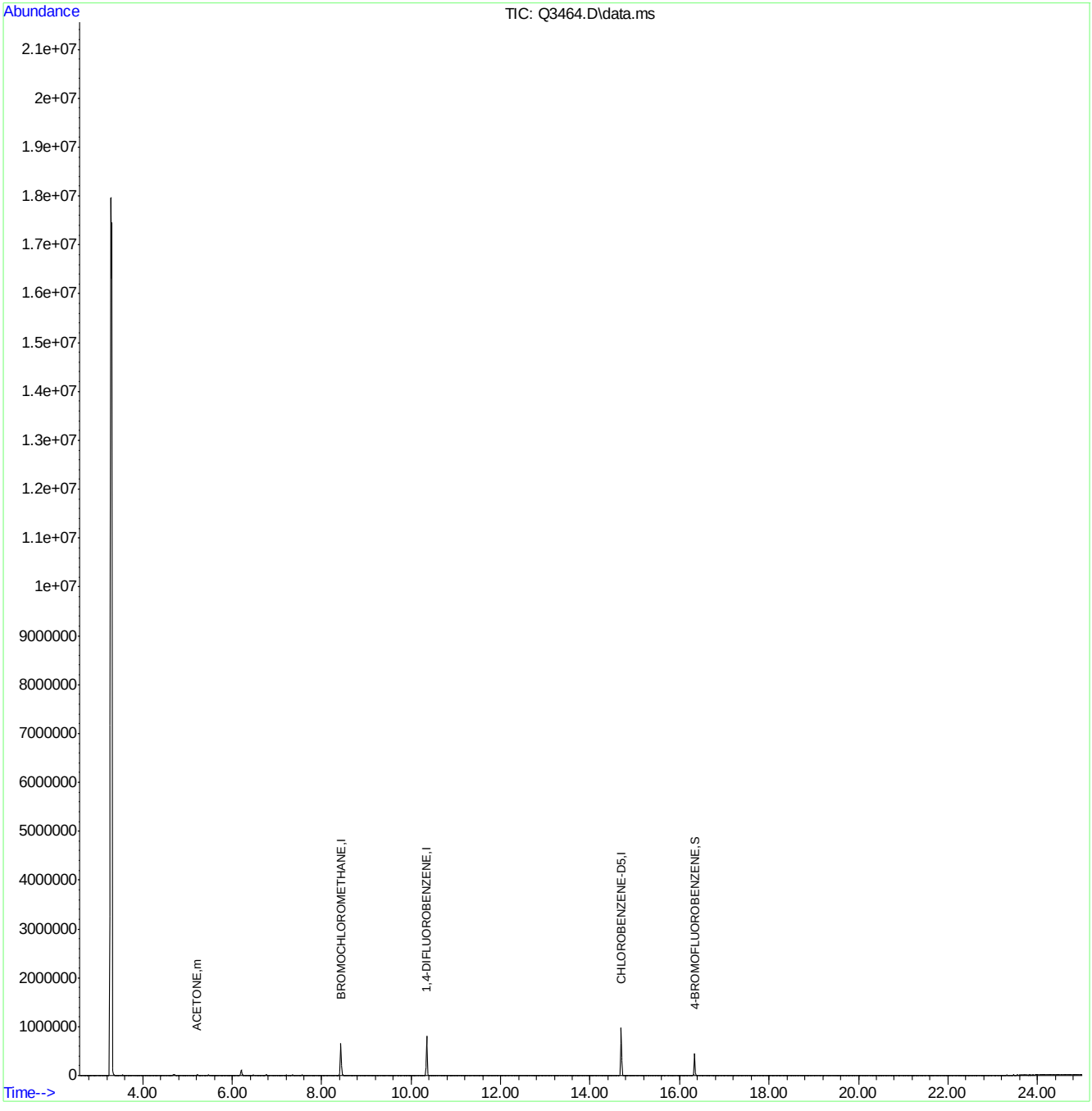
Target Compounds						Qvalue
12) ACETONE	5.212	43	13844	0.32	PPBV #	78

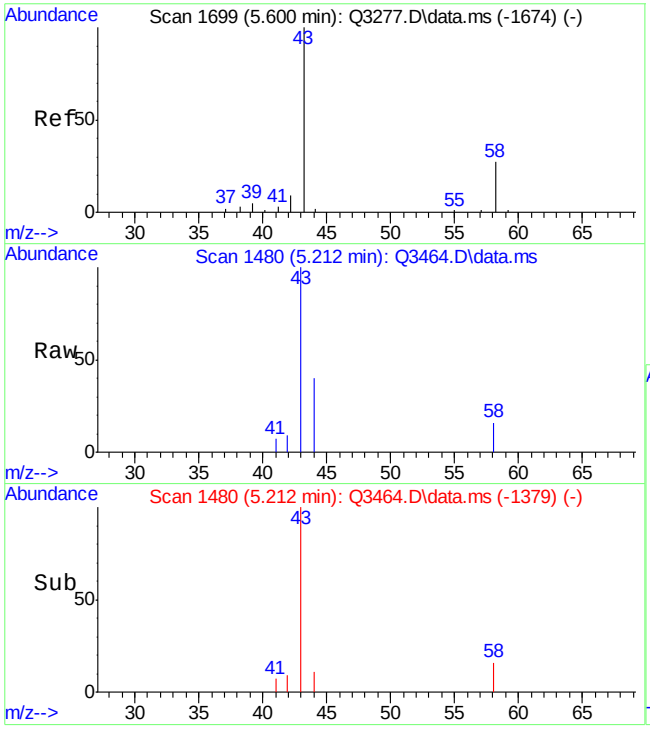
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3464.D
Acq On : 19 May 2007 12:14 am
Operator : PhilipB
Sample : M64940-8
Misc : MS13602,MSQ188,,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 21 09:49:38 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 11:12:42 2007
Response via : Initial Calibration

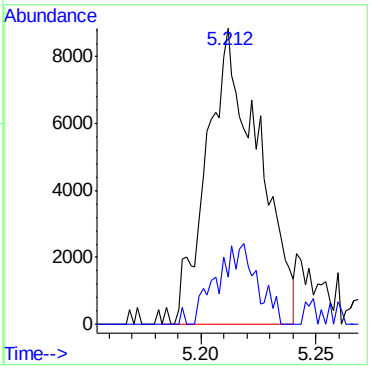




#12
ACETONE
Concen: 0.32 PPBV
RT: 5.212 min Scan# 1480
Delta R.T. 0.024 min
Lab File: Q3464.D
Acq: 19 May 2007 12:14 am

Tgt Ion: 43 Resp: 13844

Ion	Ratio	Lower	Upper
43	100		
58	20.8	0.0	20.3#



Manual Integrations
APPROVED
(compounds with "m" flag)
Doug Yargeau
05/23/07 10:30

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3455.D
Acq On : 18 May 2007 6:11 pm
Operator : PhilipB
Sample : MB (M027)
Misc : MS13602,MSQ188,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 21 09:35:50 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 11:12:42 2007
Response via : Initial Calibration

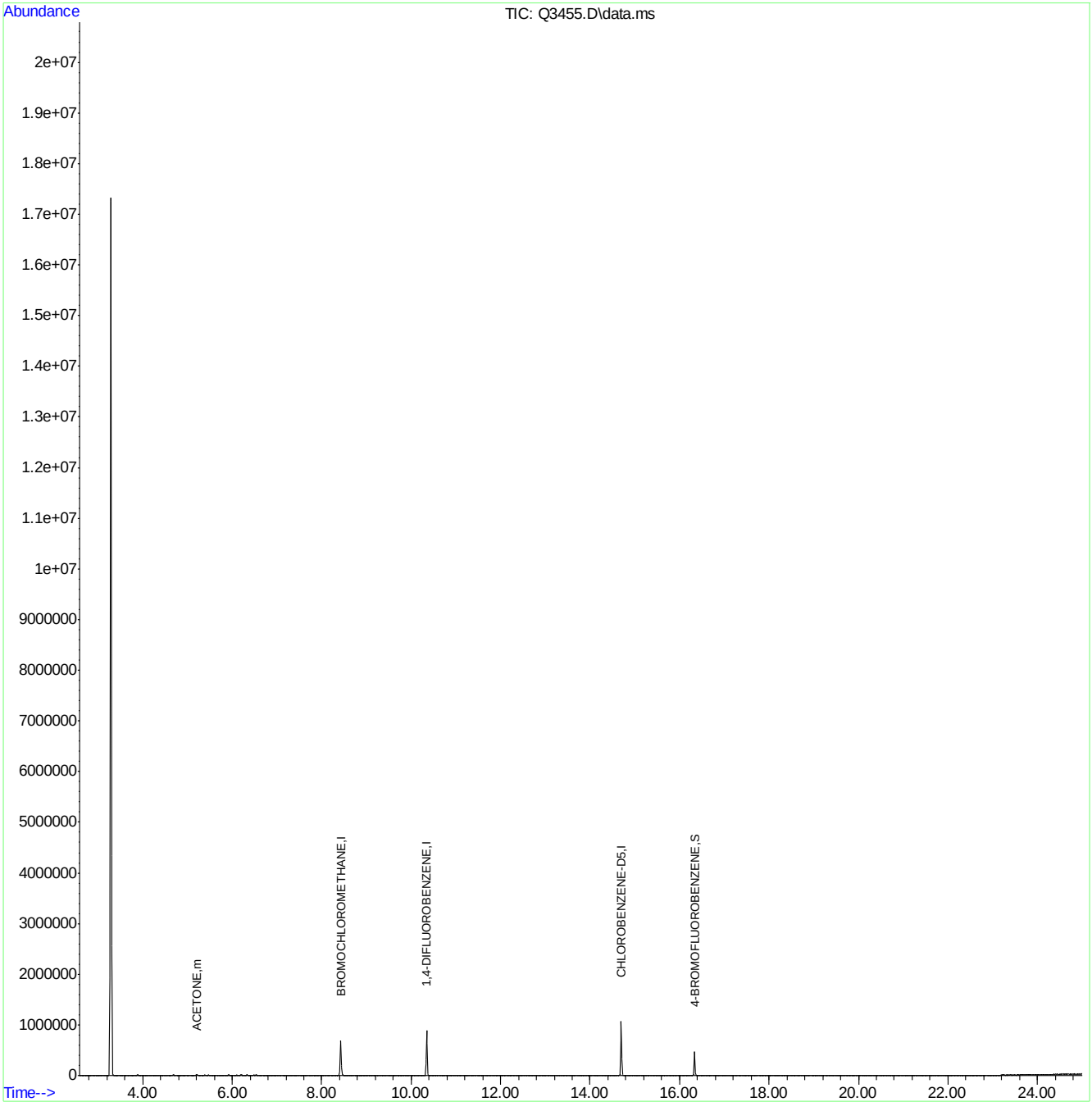
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.426	128	96562	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.346	114	410447	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.694	117	355669	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.336	95	119628	3.91	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 78.20%			
Target Compounds						Qvalue
12) ACETONE	5.206	43	18174m	0.36	PPBV	

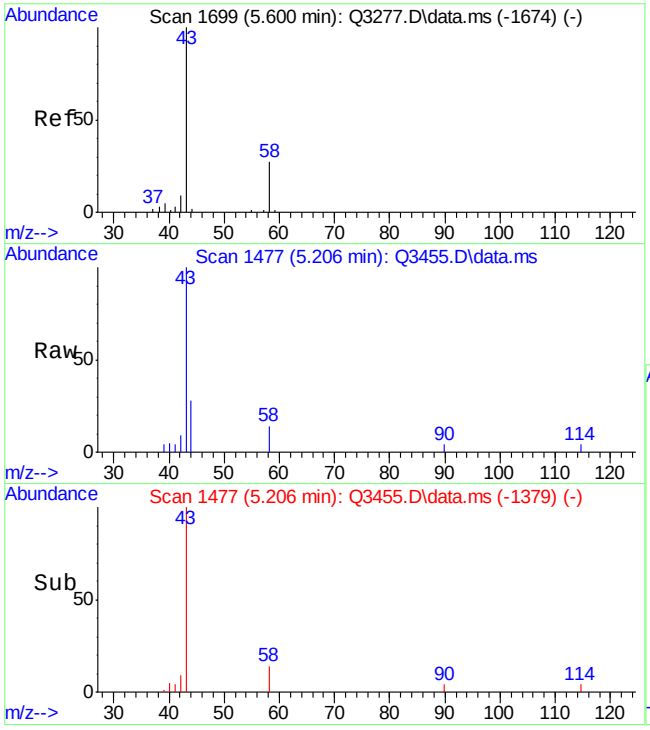
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3455.D
Acq On : 18 May 2007 6:11 pm
Operator : PhilipB
Sample : MB (M027)
Misc : MS13602,MSQ188,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 21 09:35:50 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 11:12:42 2007
Response via : Initial Calibration

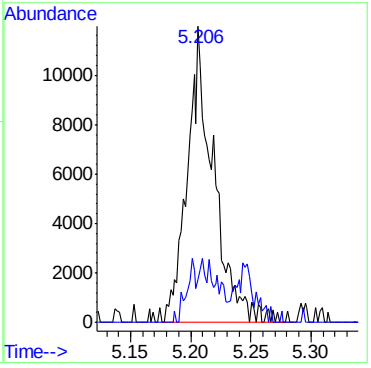




#12
ACETONE
Concen: 0.36 PPBV m
RT: 5.206 min Scan# 1477
Delta R.T. 0.018 min
Lab File: Q3455.D
Acq: 18 May 2007 6:11 pm

Tgt Ion: 43 Resp: 18174

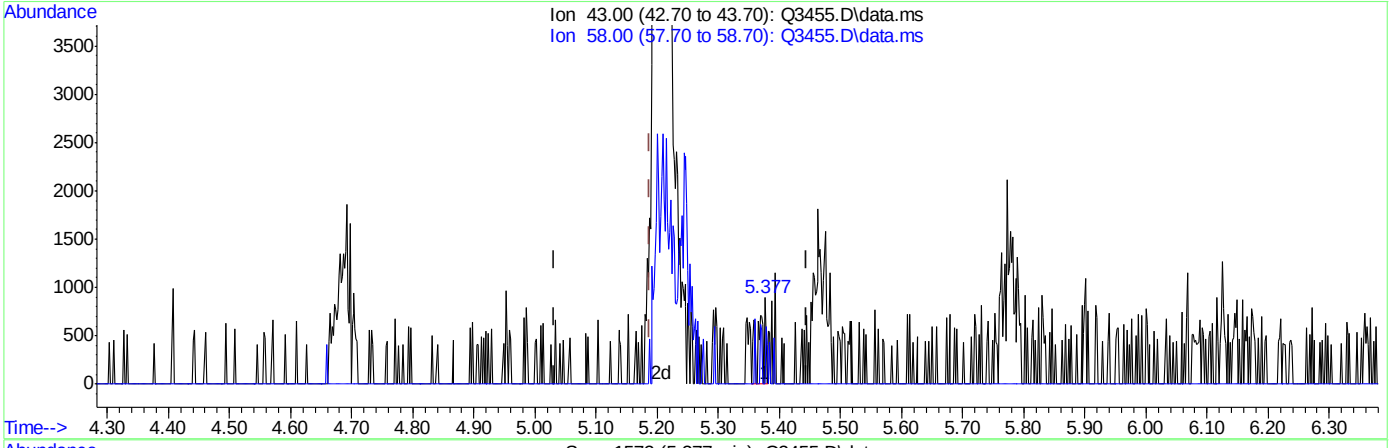
Ion	Ratio	Lower	Upper
43	100		
58	0.7	0.0	20.3

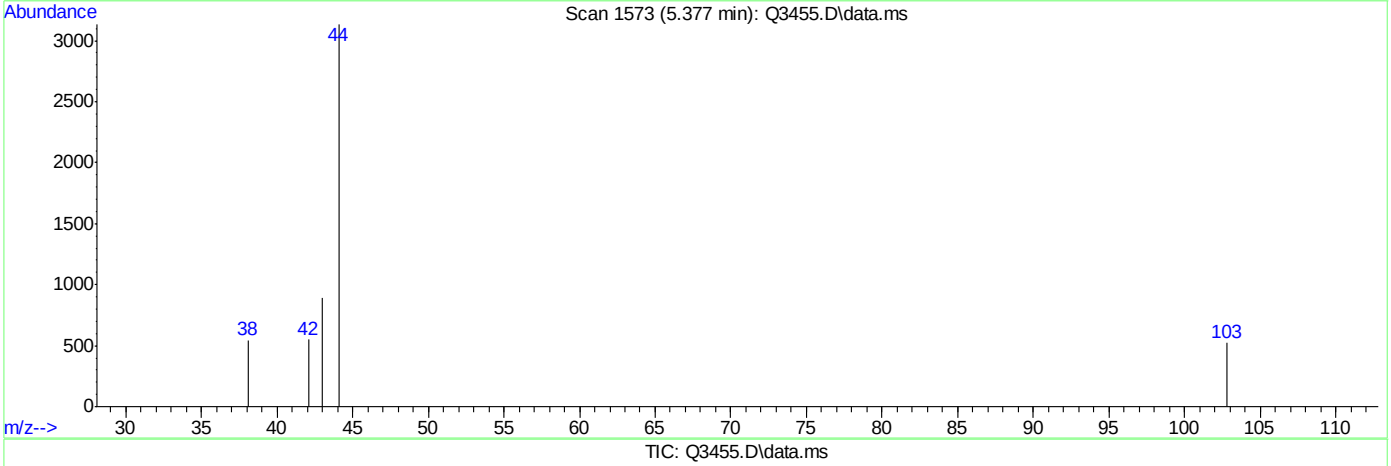


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3455.D
Acq On : 18 May 2007 6:11 pm
Operator : PhilipB
Sample : MB (M027)
Misc : MS13602,MSQ188,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 21 09:34:30 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 11:12:42 2007
Response via : Initial Calibration





TIC: Q3455.D\data.ms

(12) ACETONE (m)

5.377min (+0.189) 0.01PPBV

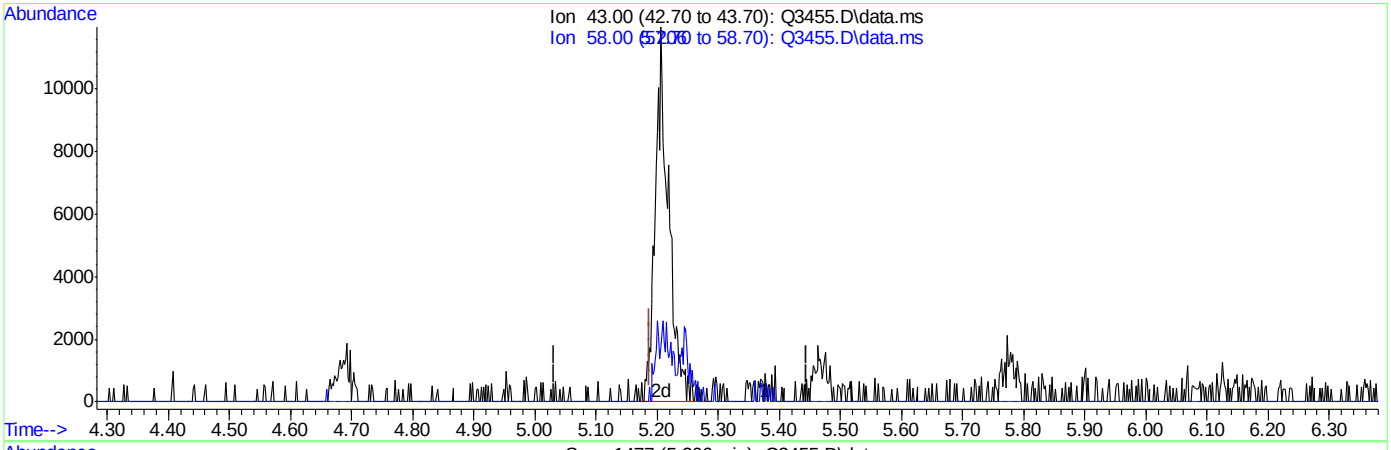
response 668

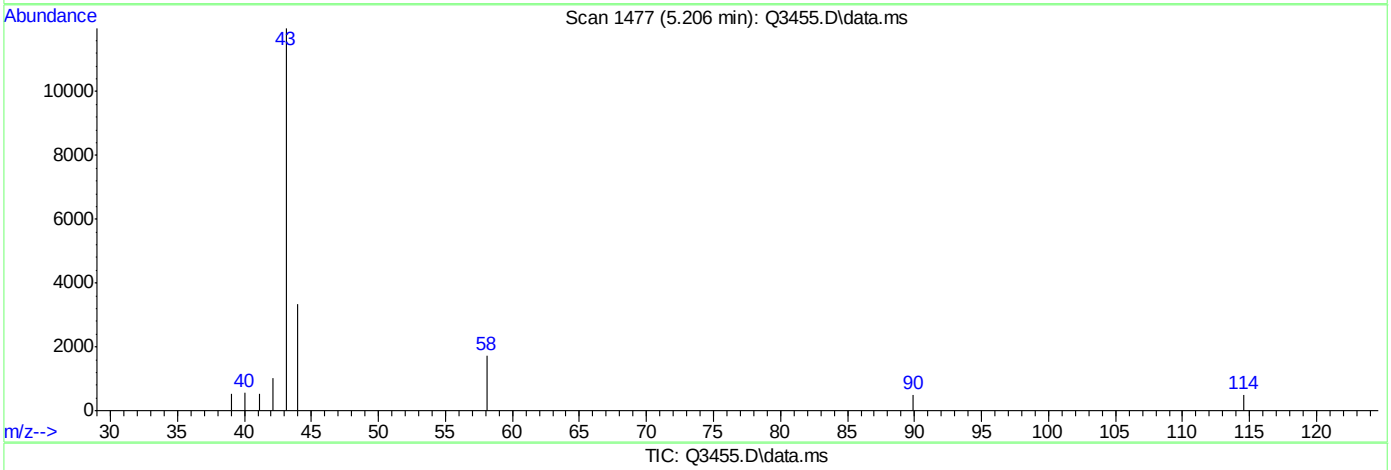
Ion	Exp%	Act%
43.00	100	100
58.00	0.30	18.71
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3455.D
Acq On : 18 May 2007 6:11 pm
Operator : PhilipB
Sample : MB (M027)
Misc : MS13602,MSQ188,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 21 09:34:30 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 11:12:42 2007
Response via : Initial Calibration





TIC: Q3455.D\data.ms

(12) ACETONE (m)

5.206min (+0.018) 0.36PPBV m

response 18174

Ion	Exp%	Act%
43.00	100	100
58.00	0.30	0.69
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3492.D
Acq On : 22 May 2007 6:42 pm
Operator : PhilipB
Sample : MB (M135)
Misc : MS13602,MSQ190,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 23 09:44:18 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:36:34 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.431	128	86791	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.348	114	366940	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.694	117	314711	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.336	95	110329	4.57	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 91.40%

Target Compounds	Qvalue

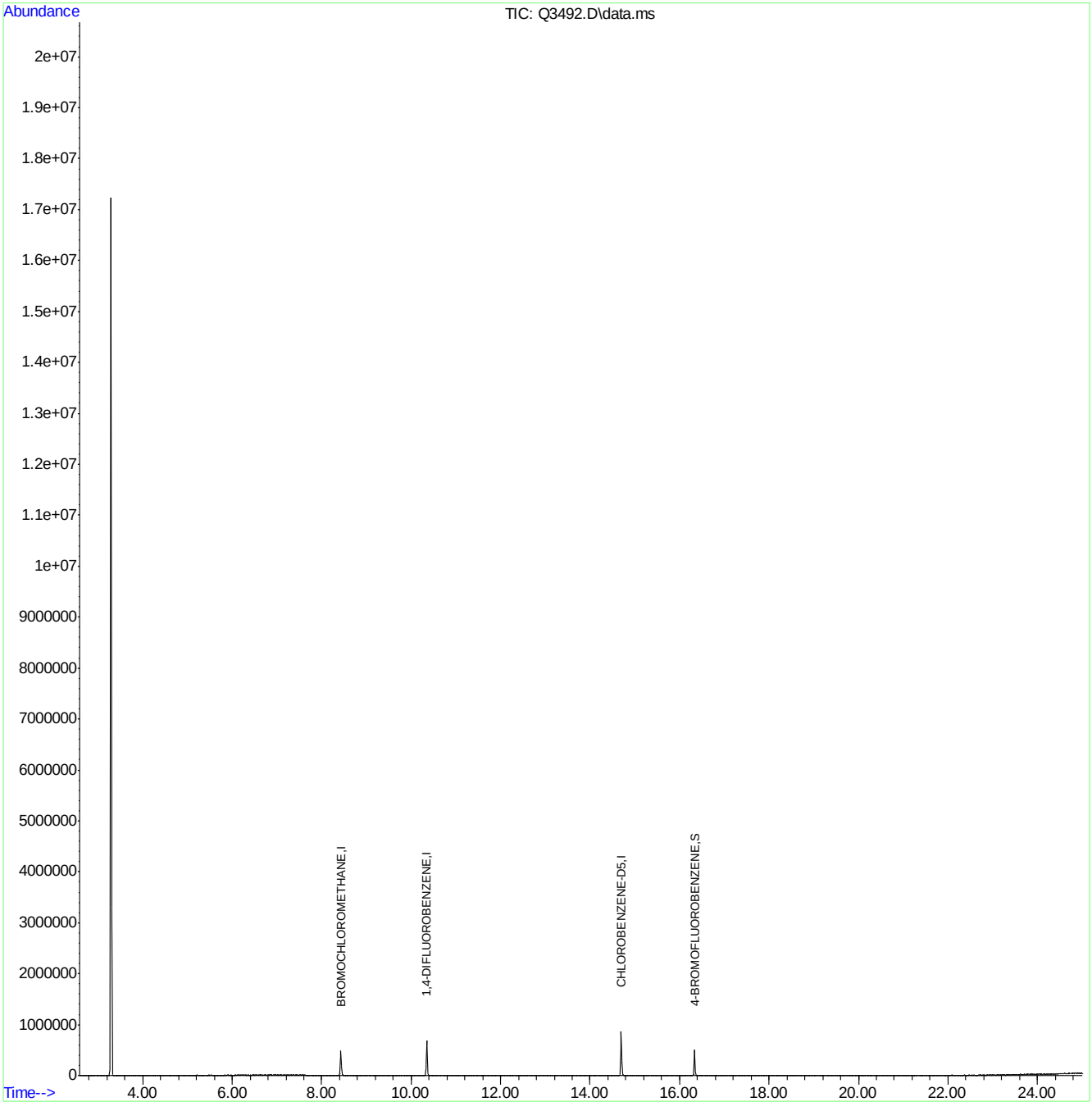
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ACCUTEST Laboratories

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3492.D
Acq On : 22 May 2007 6:42 pm
Operator : PhilipB
Sample : MB (M135)
Misc : MS13602,MSQ190,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 23 09:44:18 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:36:34 2007
Response via : Initial Calibration



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%

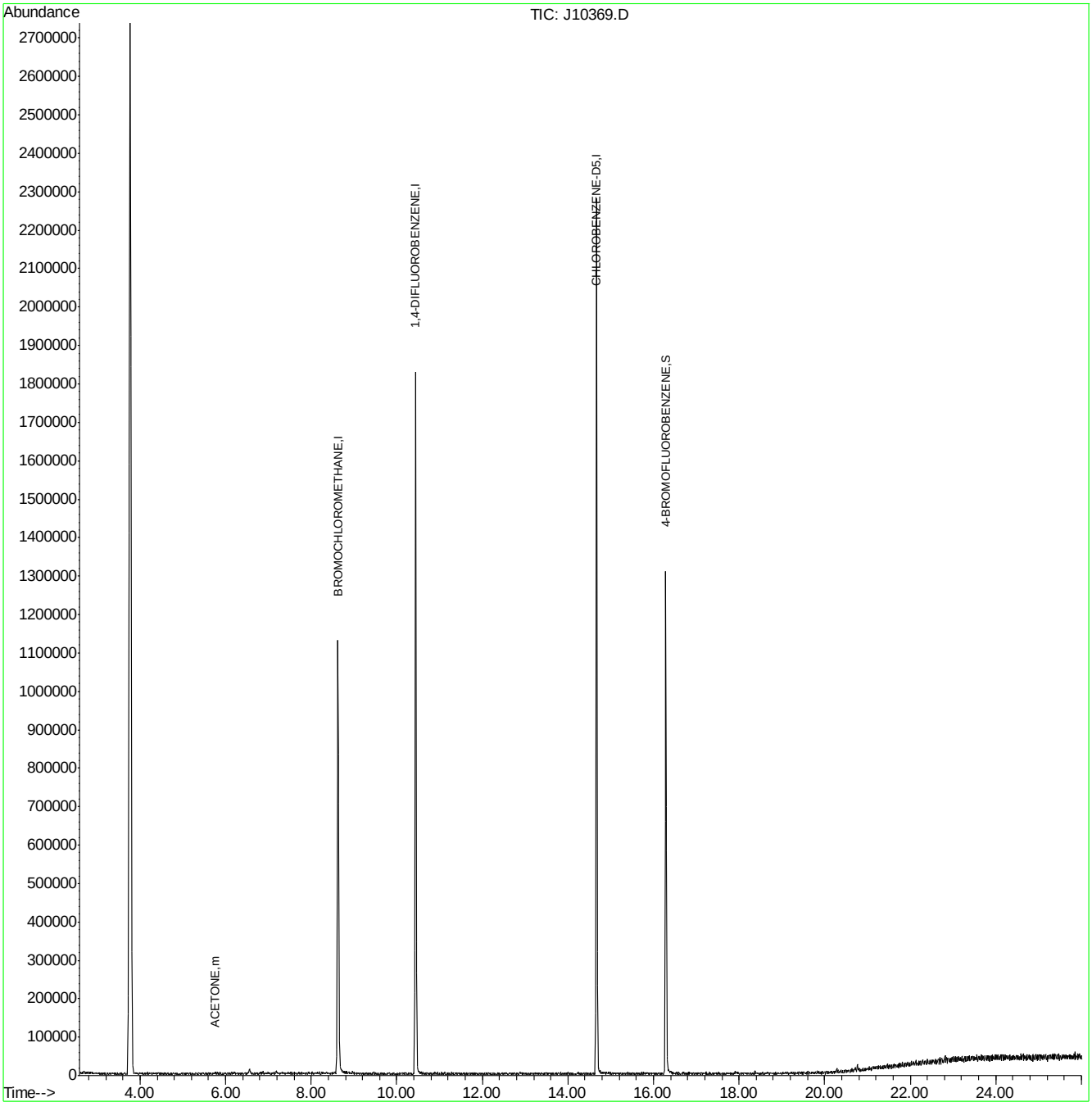
Target Compounds						Qvalue
12) ACETONE	5.76	43	4633m	0.37	PPBV	

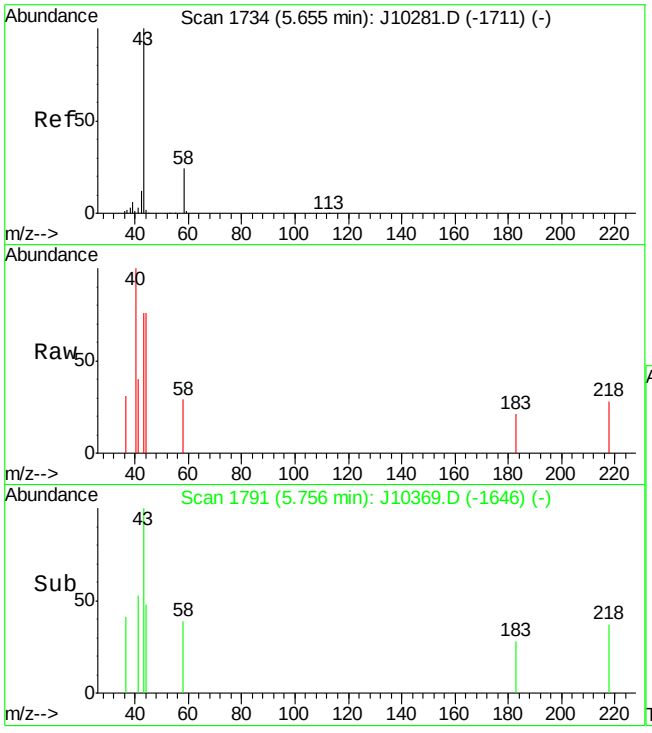
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

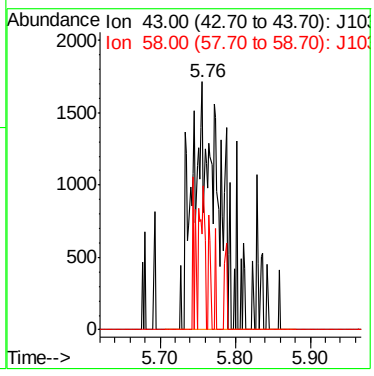




#12
ACETONE
Concen: 0.37 PPBV m
RT: 5.76 min Scan# 1791
Delta R.T. 0.10 min
Lab File: J10369.D
Acq: 15 May 2007 2:08 pm

Tgt Ion: 43 Resp: 4633

Ion	Ratio	Lower	Upper
43	100		
58	12.5	6.8	46.8

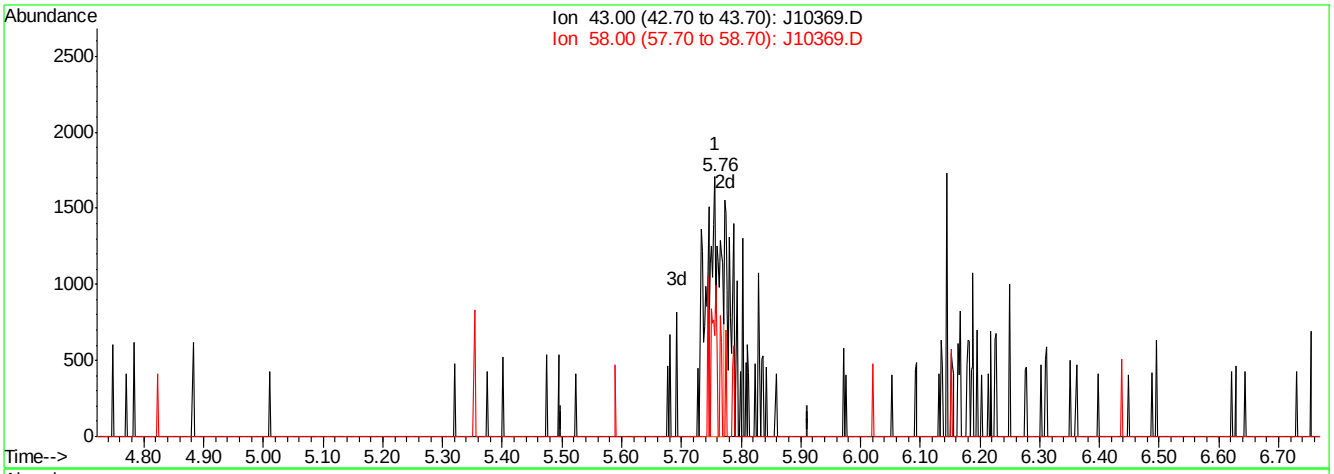


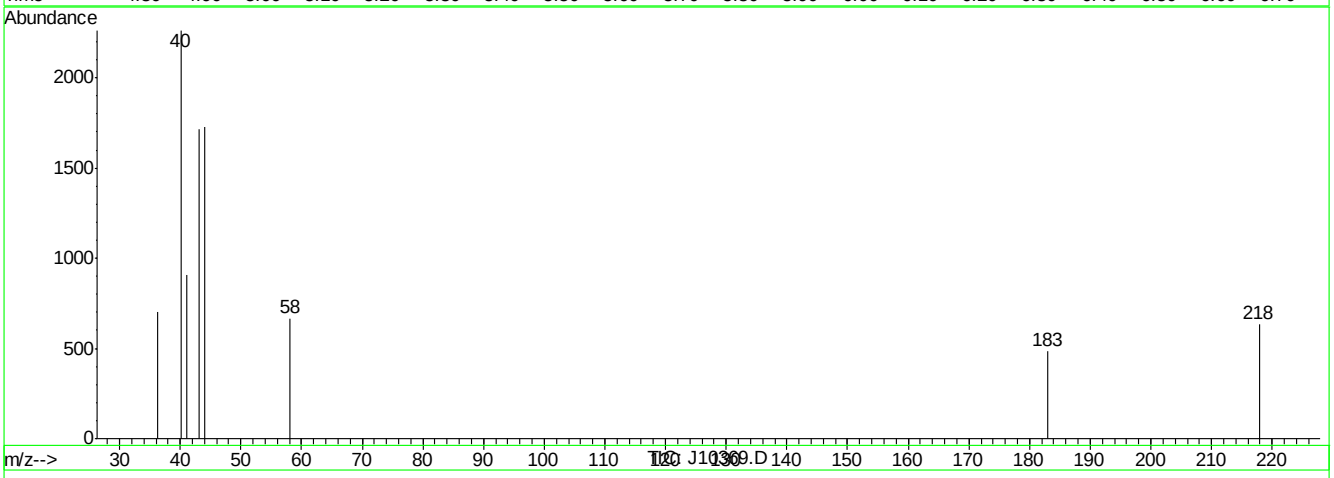
Quantitation Report (Qedit)

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

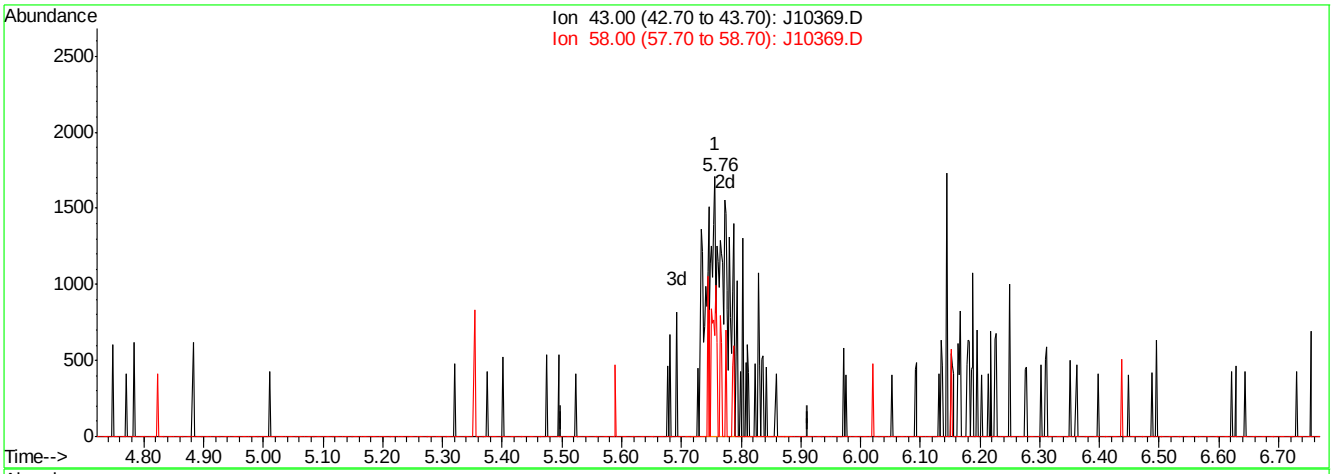
J10369.D J050907T.M Tue May 15 18:27:51 2007

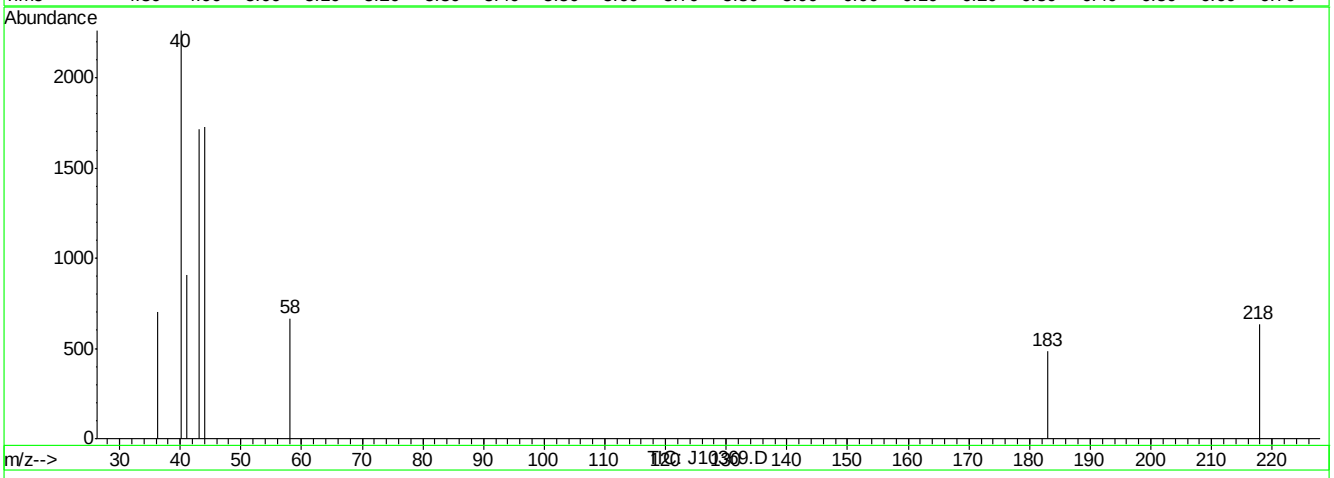
Quantitation Report (Qedit)

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3398.D
Acq On : 16 May 2007 2:30 pm
Operator : PhilipB
Sample : MB (M142)
Misc : MS13579,MSQ186,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 16 14:59:37 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 11:12:42 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.422	128	101065	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.346	114	477882	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.696	117	421159	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.334	95	156471	4.32	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 86.40%

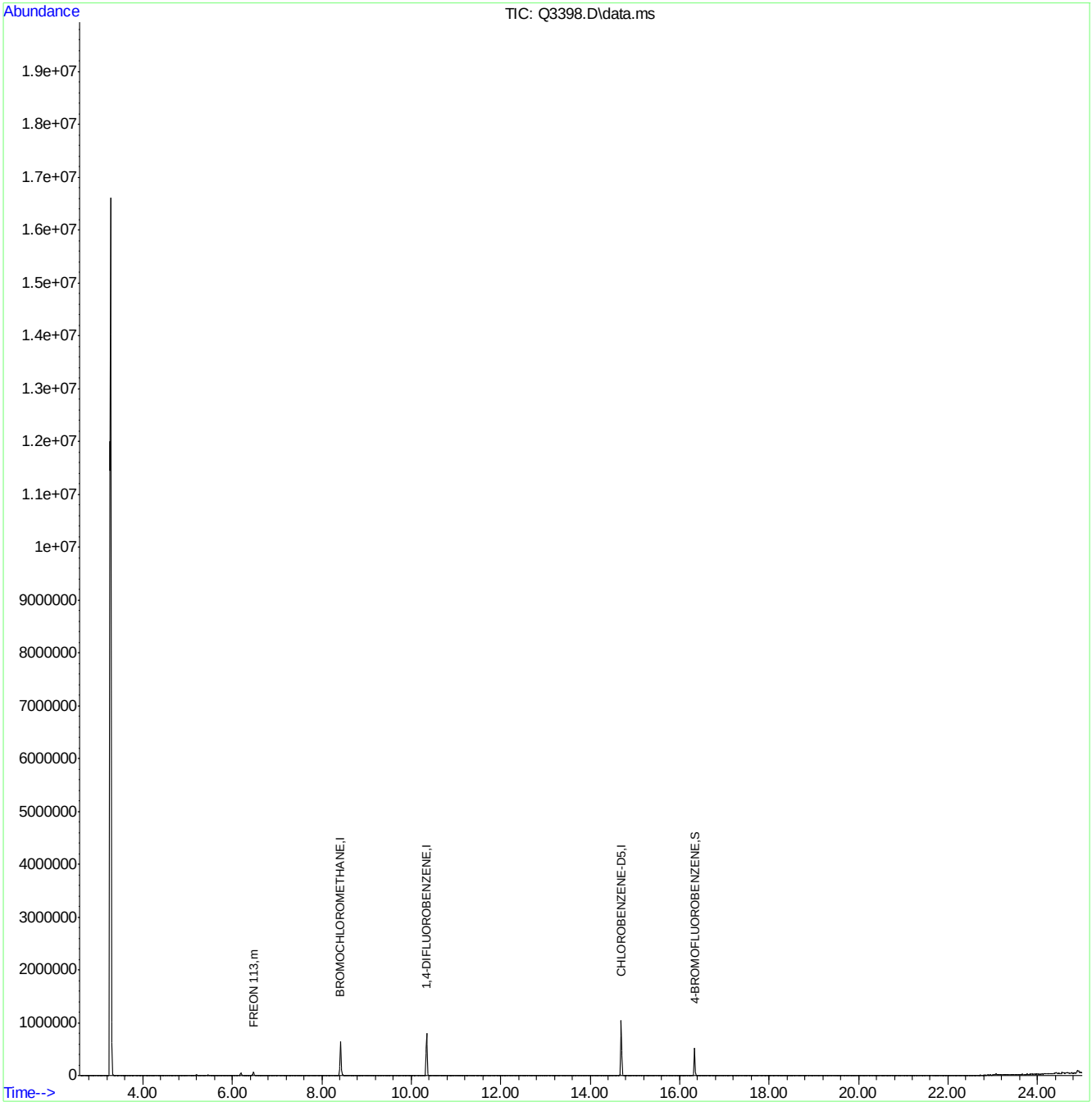
Target Compounds						Qvalue
20) FREON 113	6.472	151	19648	0.45	PPBV #	100

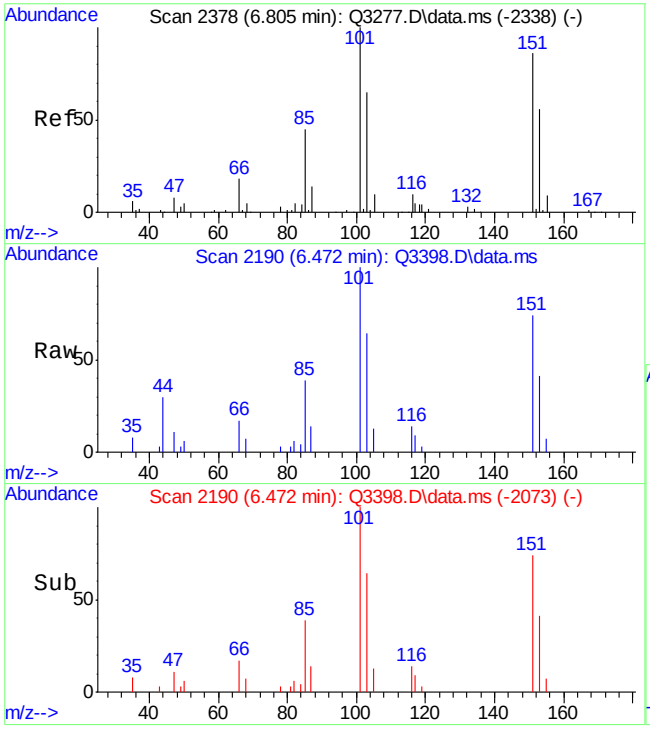
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3398.D
Acq On : 16 May 2007 2:30 pm
Operator : PhilipB
Sample : MB (M142)
Misc : MS13579,MSQ186,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 16 14:59:37 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 11:12:42 2007
Response via : Initial Calibration

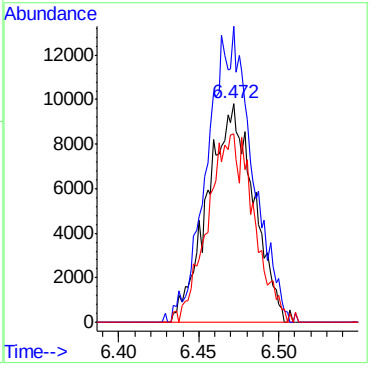




#20
FREON 113
Concen: 0.45 PPBV
RT: 6.472 min Scan# 2190
Delta R.T. 0.002 min
Lab File: Q3398.D
Acq: 16 May 2007 2:30 pm

Tgt Ion:151 Resp: 19648

Ion	Ratio	Lower	Upper
151	100		
101	131.9	0.0	20.0#
103	86.2	0.0	20.0#



6.2.4

6

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
05/30/07 09:11

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3453a.D
Acq On : 18 May 2007 4:25 pm
Operator : PhilipB
Sample : BS (M068)
Misc : MS13593,MSQ188,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 21 09:34:02 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 11:12:42 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.427	128	116026	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.346	114	549054	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.696	117	452086	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.334	95	193517	4.98	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 99.60%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	3.600	85	769649	7.95	PPBV	83
3) PROPYLENE	3.529	41	192168	5.60	PPBV	92
4) FREON 114	3.865	85	784945	7.98	PPBV #	100
5) CHLOROMETHANE	3.767	50	306658	7.09	PPBV	98
6) VINYL CHLORIDE	3.989	62	262022	7.32	PPBV	72
7) 1,3-BUTADIENE	4.129	39	297618	8.15	PPBV #	100
8) BROMOMETHANE	4.406	94	260824	9.00	PPBV #	100
9) CHLOROETHANE	4.580	64	134981	8.89	PPBV #	100
10) TRICHLOROFLUOROMETHANE	5.396	101	1057835	9.93	PPBV #	100
11) ISOPROPYL ALCOHOL	5.446	45	617421	9.07	PPBV	99
12) ACETONE	5.194	43	634551	10.48	PPBV #	75
13) PENTANE	5.774	42	427002	12.95	PPBV #	100
14) 1,1-DICHLOROETHYLENE	6.078	96	297750	10.47	PPBV #	4
15) CARBON DISULFIDE	6.528	76	785023	11.39	PPBV #	55
16) ETHANOL	4.679	45	111809	8.03	PPBV #	100
17) BROMOETHENE	4.951	106	275407	9.83	PPBV #	100
18) METHYLENE CHLORIDE	6.200	84	270834	12.87	PPBV #	1
19) 3-CHLOROPROPENE	6.323	39	342653	14.93	PPBV #	1
20) FREON 113	6.472	151	517658	10.31	PPBV #	100
21) TRANS-1,2-DICHLOROETHY...	7.185	96	266584	10.82	PPBV #	100
22) TERTIARY BUTYL ALCOHOL	6.094	59	650003	10.71	PPBV #	100
23) METHYL TERTIARY BUTYL ...	7.448	73	586156	10.34	PPBV #	100
24) TETRAHYDROFURAN	8.960	42	298209	8.53	PPBV #	100
25) HEXANE	8.463	57	349186	9.15	PPBV #	100
26) VINYL ACETATE	7.538	43	810715	12.92	PPBV	86
27) 1,1-DICHLOROETHANE	7.396	63	617587	12.42	PPBV #	100
28) METHYL ETHYL KETONE	7.797	43	615523	8.87	PPBV	89
29) cis-1,2-DICHLOROETHYLENE	8.257	96	159221	8.51	PPBV #	100
30) ETHYL ACETATE	8.466	43	1094387	9.64	PPBV	100
31) CHLOROFORM	8.557	83	508257	9.66	PPBV #	100
32) 1,1,1-TRICHLOROETHANE	9.553	97	502888	9.49	PPBV #	87
33) CARBON TETRACHLORIDE	10.160	117	550181	9.46	PPBV	93
34) 1,2-DICHLOROETHANE	9.301	62	405491	9.55	PPBV	99
36) BENZENE	10.012	78	482502	8.46	PPBV	88
37) CYCLOHEXANE	10.286	84	173882	9.10	PPBV #	31
38) TRICHLOROETHYLENE	11.051	95	298238	9.59	PPBV #	81
39) 1,2-DICHLOROPROPANE	10.818	63	234897	8.65	PPBV #	64
40) BROMODICHLOROMETHANE	11.013	83	500573	9.46	PPBV	97
41) 2,2,4-TRIMETHYLPENTANE	11.077	57	1217357	9.14	PPBV #	91
42) 1,4-DIOXANE	11.043	88	89283	8.62	PPBV #	20
43) HEPTANE	11.326	43	530049	9.30	PPBV #	75

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3453a.D
Acq On : 18 May 2007 4:25 pm
Operator : PhilipB
Sample : BS (M068)
Misc : MS13593,MSQ188,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 21 09:34:02 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 11:12:42 2007
Response via : Initial Calibration

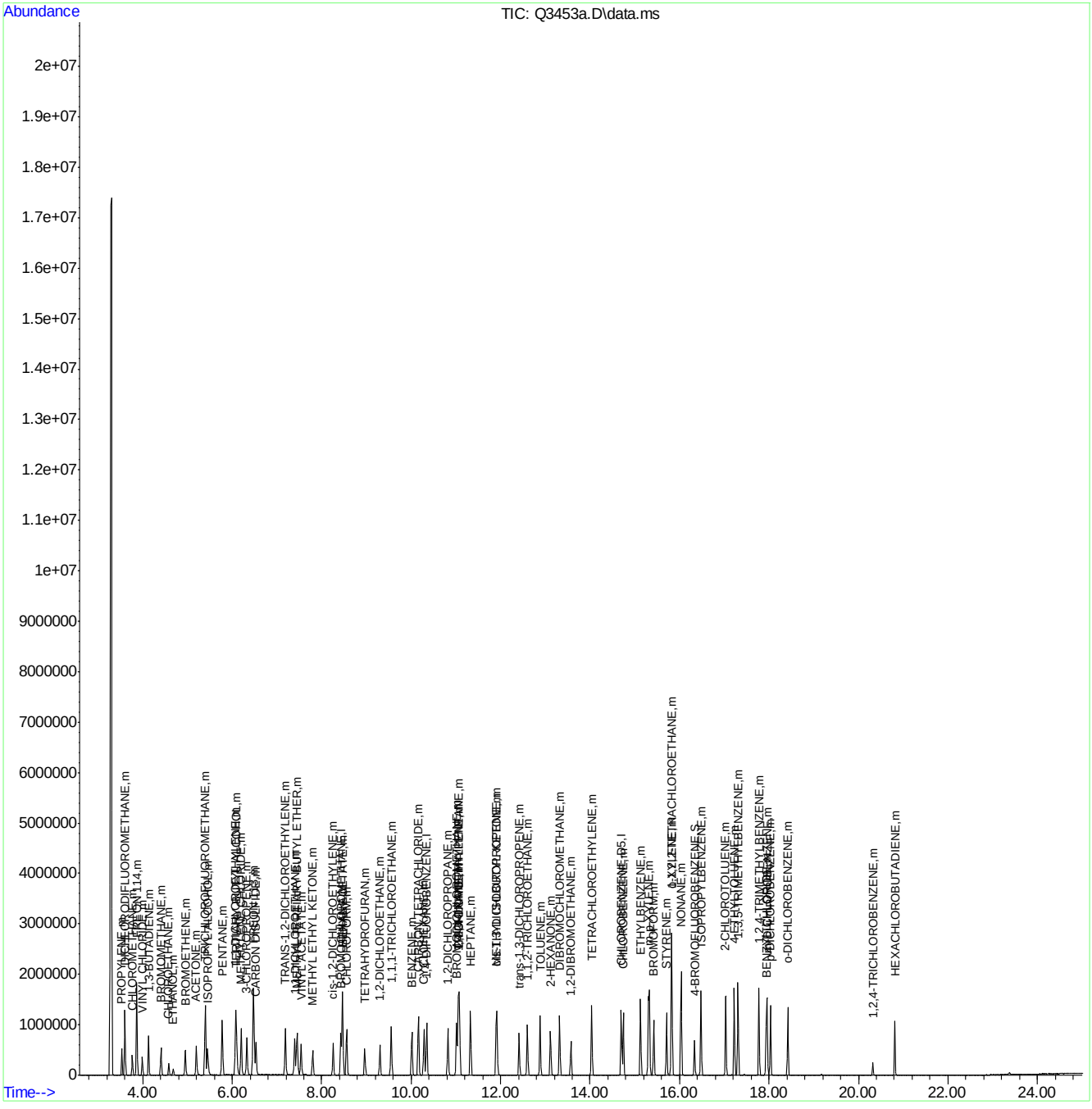
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.917	43	763748	9.32	PPBV	91
45) cis-1,3-DICHLOROPROPENE	11.901	75	297051	8.21	PPBV #	82
46) TOLUENE	12.882	92	335612	8.90	PPBV	96
47) trans-1,3-DICHLOROPROPENE	12.412	75	290439	9.34	PPBV #	100
48) 1,1,2-TRICHLOROETHANE	12.596	83	205575	9.00	PPBV	90
50) 2-HEXANONE	13.113	43	618677	9.67	PPBV	93
51) TETRACHLOROETHYLENE	14.038	164	162438	10.57	PPBV #	77
52) DIBROMOCHLOROMETHANE	13.319	129	452791	10.08	PPBV	99
53) 1,2-DIBROMOETHANE	13.573	107	361542	9.26	PPBV	98
54) CHLOROBENZENE	14.742	112	436720	9.12	PPBV	87
55) ETHYLBENZENE	15.125	91	820268	9.76	PPBV	93
56) m,p-XYLENE	15.322	106	592787m	19.19	PPBV	
57) o-XYLENE	15.825	106	306677	9.60	PPBV #	83
58) STYRENE	15.708	104	372733	9.32	PPBV	97
59) NONANE	16.034	43	867726	10.22	PPBV	81
60) BROMOFORM	15.422	173	341268	9.66	PPBV	98
62) 1,1,2,2-TETRACHLOROETHANE	15.819	83	610636	10.78	PPBV	95
63) ISOPROPYLBENZENE	16.480	105	835104	9.01	PPBV	92
64) 2-CHLOROTOLUENE	17.030	91	649752	8.98	PPBV	86
65) 4-ETHYLTOLUENE	17.223	105	790448	9.69	PPBV	91
66) 1,3,5-TRIMETHYLBENZENE	17.307	105	738217	9.34	PPBV	91
67) 1,2,4-TRIMETHYLBENZENE	17.772	105	676918	9.04	PPBV	89
68) m-DICHLOROBENZENE	17.958	146	344906	7.88	PPBV	93
69) BENZYL CHLORIDE	17.935	91	470116	9.23	PPBV	88
70) p-DICHLOROBENZENE	18.029	146	306424	7.59	PPBV	92
71) o-DICHLOROBENZENE	18.419	146	284356	7.25	PPBV	90
72) HEXACHLOROBUTADIENE	20.810	225	73139	7.49	PPBV	96
73) 1,2,4-TRICHLOROBENZENE	20.320	180	30752	5.52	PPBV	95

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3453a.D
Acq On : 18 May 2007 4:25 pm
Operator : PhilipB
Sample : BS (M068)
Misc : MS13593,MSQ188,,,,,1
ALS Vial : 1 Sample Multiplier: 1

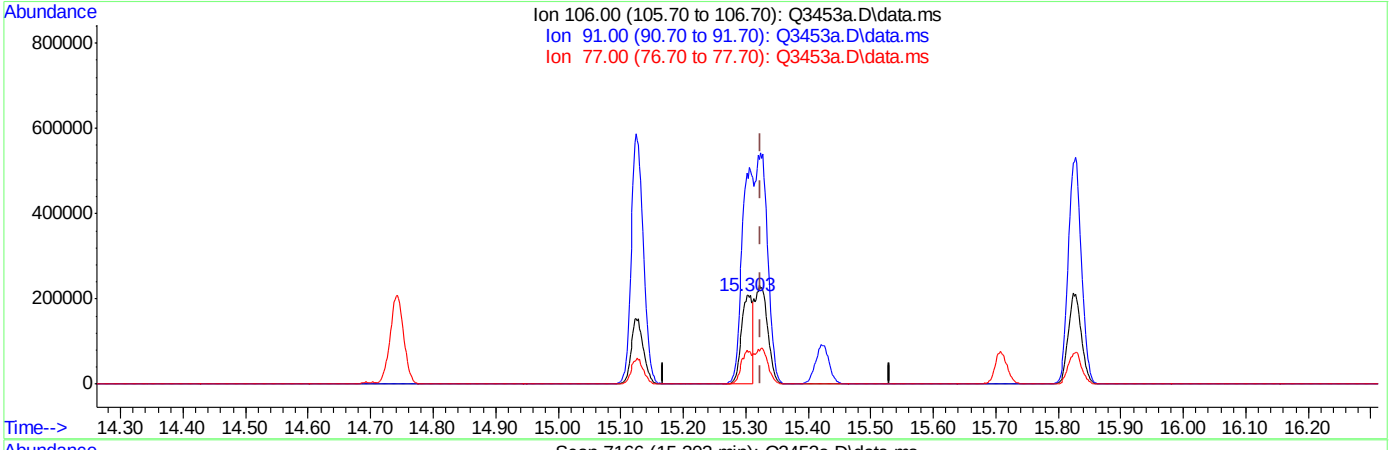
Quant Time: May 21 09:34:02 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 11:12:42 2007
Response via : Initial Calibration

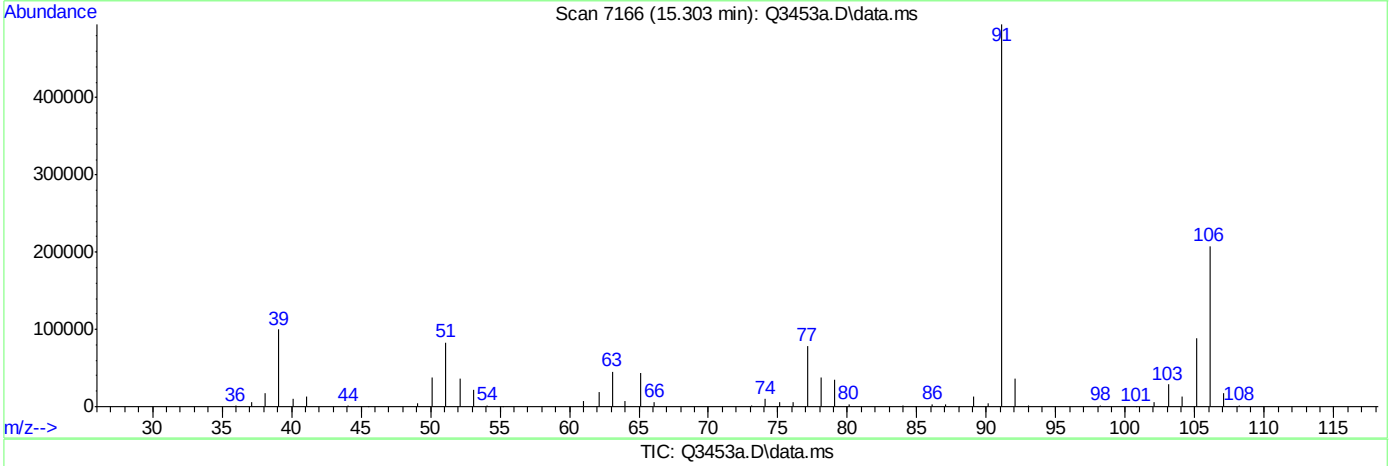


Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3453a.D
Acq On    : 18 May 2007   4:25 pm
Operator  : PhilipB
Sample    : BS (M068)
Misc      : MS13593,MSQ188,,,,,1
ALS Vial  : 1   Sample Multiplier: 1

Quant Time: May 21 09:33:44 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 11:12:42 2007
Response via : Initial Calibration
```



TIC: Q3453a.D\data.ms

(56) m,p-XYLENE (m)

15.303min (-0.021) 8.50PPBV

response 262544

Ion	Exp%	Act%
106.00	100	100
91.00	204.20	237.65
77.00	30.60	37.92#
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3453a.D
Acq On    : 18 May 2007   4:25 pm
Operator  : PhilipB
Sample    : BS (M068)
Misc      : MS13593,MSQ188,,,,,1
ALS Vial  : 1   Sample Multiplier: 1

Quant Time: May 21 09:33:44 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 11:12:42 2007
Response via : Initial Calibration
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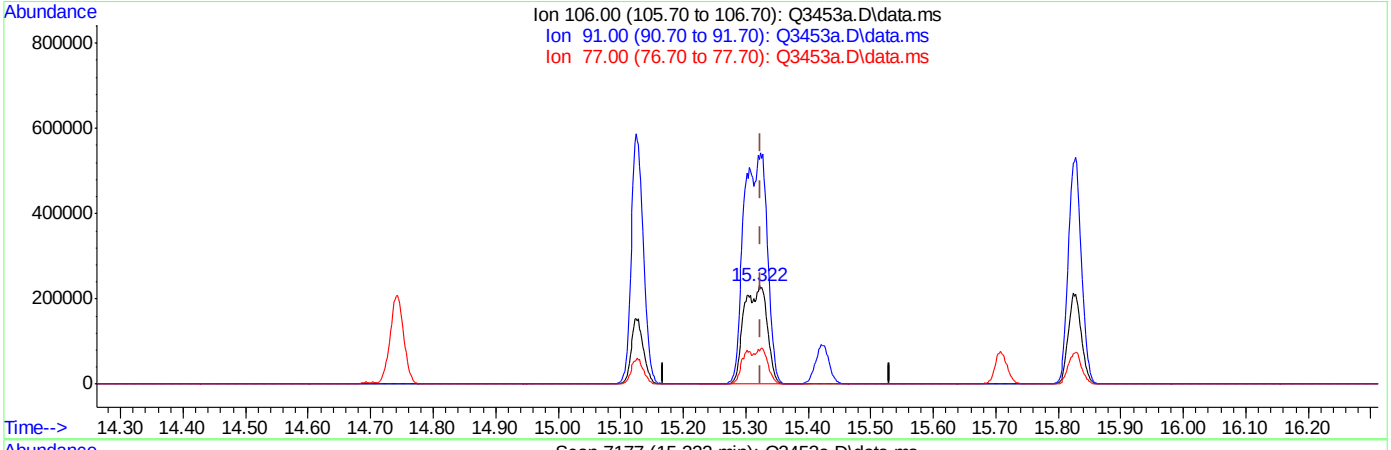
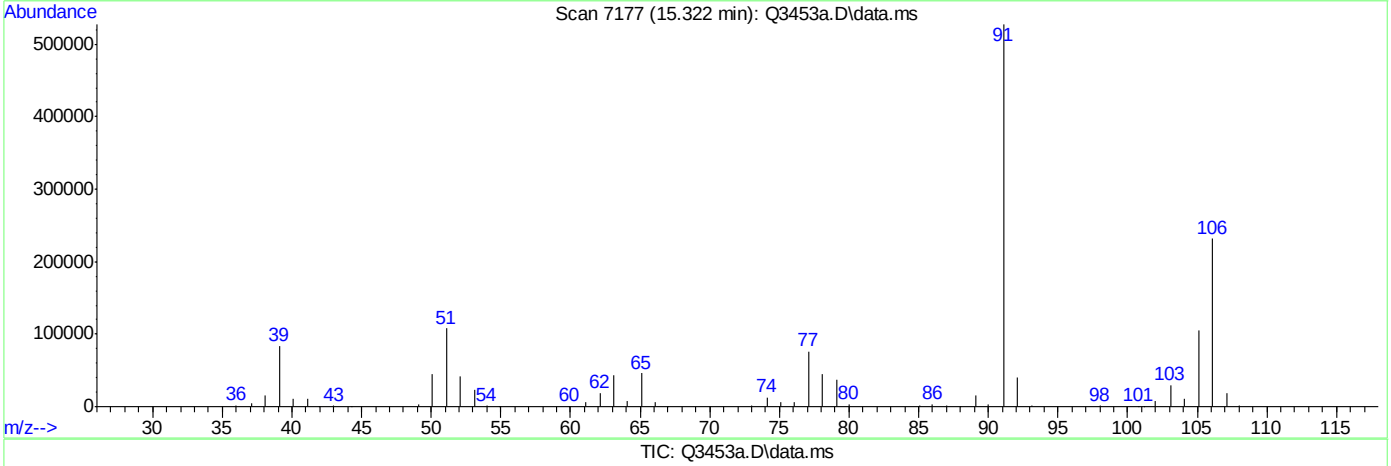




TIC: Q3453a.D\data.ms

(56) m,p-XYLENE (m)

15.322min (-0.002) 19.19PPBV m

response 592787

Ion	Exp%	Act%
106.00	100	100
91.00	204.20	227.75
77.00	30.60	32.92
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
05/23/07 16:07

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3491A.D
Acq On : 22 May 2007 6:00 pm
Operator : PhilipB
Sample : BS (M068)
Misc : MS13602,MSQ190,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 23 09:43:34 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:36:34 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.431	128	94194	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.351	114	448405	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.698	117	370957	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.334	95	146539	5.14	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 102.80%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	3.607	85	547075	6.84	PPBV	81
3) PROPYLENE	3.533	41	88727m	7.13	PPBV	
4) FREON 114	3.870	85	549839	7.62	PPBV #	100
5) CHLOROMETHANE	3.772	50	124770	7.07	PPBV	91
6) VINYL CHLORIDE	3.994	62	137624	7.80	PPBV	74
7) 1,3-BUTADIENE	4.132	39	155426	7.95	PPBV #	100
8) BROMOMETHANE	4.411	94	169491	7.80	PPBV #	100
9) CHLOROETHANE	4.583	64	67024	7.36	PPBV #	100
10) TRICHLOROFLUOROMETHANE	5.403	101	1027760	8.67	PPBV #	100
11) ISOPROPYL ALCOHOL	5.456	45	314817	9.26	PPBV	88
12) ACETONE	5.199	43	362116	9.06	PPBV	80
13) PENTANE	5.778	42	194877	9.80	PPBV #	100
14) 1,1-DICHLOROETHYLENE	6.081	96	232777	9.33	PPBV #	19
15) CARBON DISULFIDE	6.532	76	582040	9.08	PPBV #	51
16) ETHANOL	4.684	45	44429m	8.47	PPBV	
17) BROMOETHENE	4.954	106	190413	8.31	PPBV #	100
18) METHYLENE CHLORIDE	6.202	84	221262	9.56	PPBV #	1
19) 3-CHLOROPROPENE	6.330	39	277543	8.26	PPBV #	1
20) FREON 113	6.480	151	688722	8.67	PPBV #	100
21) TRANS-1,2-DICHLOROETHY...	7.190	96	217665	8.73	PPBV #	100
22) TERTIARY BUTYL ALCOHOL	6.097	59	418009	8.89	PPBV #	100
23) METHYL TERTIARY BUTYL ...	7.457	73	494550	8.90	PPBV #	100
24) TETRAHYDROFURAN	8.965	42	129842	9.05	PPBV #	100
25) HEXANE	8.468	57	163375	8.90	PPBV #	100
26) VINYL ACETATE	7.544	43	505581	8.80	PPBV	84
27) 1,1-DICHLOROETHANE	7.403	63	404745	8.96	PPBV #	100
28) METHYL ETHYL KETONE	7.799	43	290318	9.04	PPBV	92
29) cis-1,2-DICHLOROETHYLENE	8.259	96	116604	8.64	PPBV #	100
30) ETHYL ACETATE	8.468	43	490869	9.15	PPBV	100
31) CHLOROFORM	8.559	83	387034	8.83	PPBV #	100
32) 1,1,1-TRICHLOROETHANE	9.558	97	427434	8.31	PPBV	95
33) CARBON TETRACHLORIDE	10.167	117	534229	9.04	PPBV	96
34) 1,2-DICHLOROETHANE	9.304	62	261409	8.75	PPBV	99
36) BENZENE	10.018	78	327136	8.12	PPBV	99
37) CYCLOHEXANE	10.294	84	118986	8.31	PPBV #	79
38) TRICHLOROETHYLENE	11.052	95	225258	9.28	PPBV	89
39) 1,2-DICHLOROPROPANE	10.823	63	125308	9.36	PPBV #	78
40) BROMODICHLOROMETHANE	11.013	83	397182	8.65	PPBV	97
41) 2,2,4-TRIMETHYLPENTANE	11.079	57	588170	9.28	PPBV #	93
42) 1,4-DIOXANE	11.045	88	64567	9.43	PPBV #	60
43) HEPTANE	11.329	43	217327	8.89	PPBV	92

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3491A.D
Acq On : 22 May 2007 6:00 pm
Operator : PhilipB
Sample : BS (M068)
Misc : MS13602,MSQ190,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 23 09:43:34 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:36:34 2007
Response via : Initial Calibration

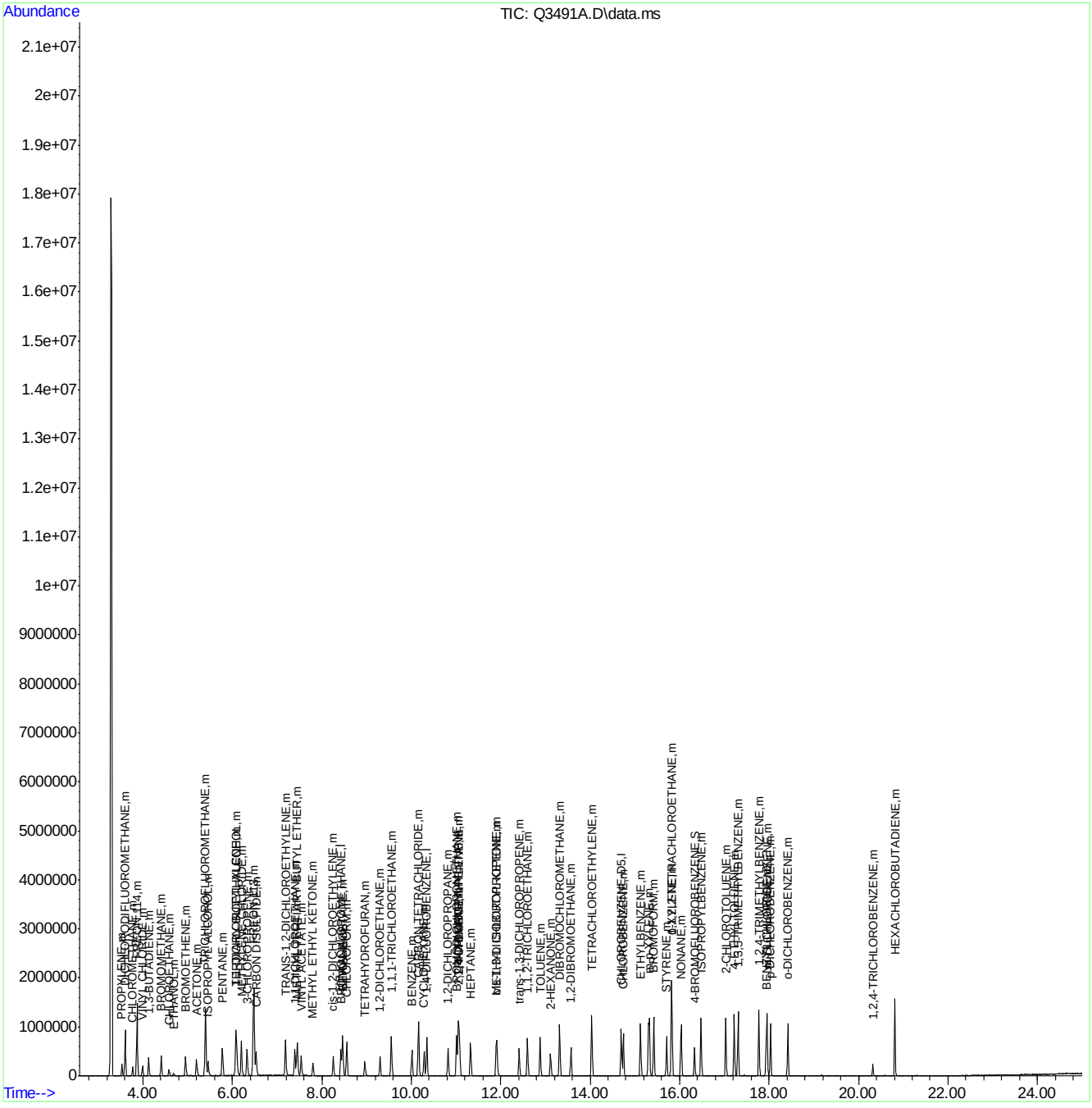
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.917	43	349507	9.39	PPBV	93
45) cis-1,3-DICHLOROPROPENE	11.901	75	198824	8.74	PPBV	87
46) TOLUENE	12.884	92	249980	10.55	PPBV	96
47) trans-1,3-DICHLOROPROPENE	12.417	75	192685	8.68	PPBV #	98
48) 1,1,2-TRICHLOROETHANE	12.602	83	153724	9.37	PPBV	91
50) 2-HEXANONE	13.113	43	285763	8.73	PPBV	93
51) TETRACHLOROETHYLENE	14.034	164	172169	8.78	PPBV	94
52) DIBROMOCHLOROMETHANE	13.320	129	424539	9.57	PPBV	99
53) 1,2-DIBROMOETHANE	13.572	107	279300	8.43	PPBV	96
54) CHLOROBENZENE	14.742	112	339333	8.53	PPBV	97
55) ETHYLBENZENE	15.125	91	606977	9.54	PPBV	96
56) m,p-XYLENE	15.328	106	457041m	17.89	PPBV	
57) o-XYLENE	15.828	106	231318	8.77	PPBV	90
58) STYRENE	15.708	104	288308	9.20	PPBV	95
59) NONANE	16.036	43	362414	9.26	PPBV	93
60) BROMOFORM	15.422	173	435489	10.17	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.818	83	419457	9.36	PPBV	98
63) ISOPROPYLBENZENE	16.478	105	646329	9.43	PPBV	96
64) 2-CHLOROTOLUENE	17.031	91	487461	9.29	PPBV	92
65) 4-ETHYLTOLUENE	17.223	105	607400	8.59	PPBV	94
66) 1,3,5-TRIMETHYLBENZENE	17.308	105	570805	8.42	PPBV	93
67) 1,2,4-TRIMETHYLBENZENE	17.775	105	539991	8.65	PPBV	94
68) m-DICHLOROBENZENE	17.956	146	342504	8.92	PPBV	98
69) BENZYL CHLORIDE	17.937	91	338640	7.31	PPBV	94
70) p-DICHLOROBENZENE	18.032	146	280148	8.31	PPBV	96
71) o-DICHLOROBENZENE	18.421	146	266416	7.51	PPBV	95
72) HEXACHLOROBUTADIENE	20.812	225	157790	7.93	PPBV	98
73) 1,2,4-TRICHLOROBENZENE	20.324	180	42469	7.53	PPBV	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3491A.D
Acq On : 22 May 2007 6:00 pm
Operator : PhilipB
Sample : BS (M068)
Misc : MS13602,MSQ190,,,,,1
ALS Vial : 1 Sample Multiplier: 1

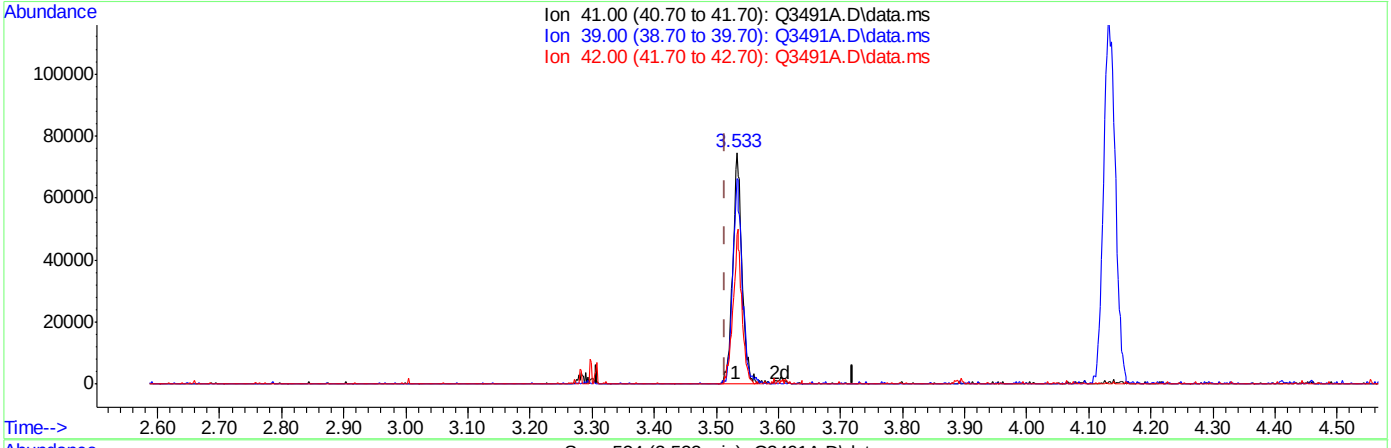
Quant Time: May 23 09:43:34 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:36:34 2007
Response via : Initial Calibration

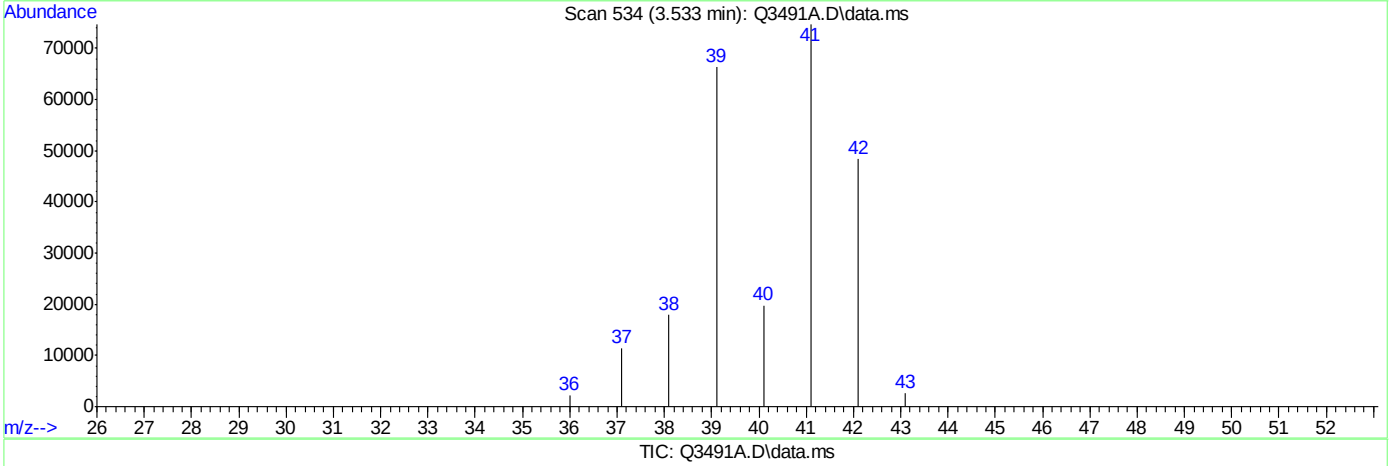


Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3491A.D
Acq On    : 22 May 2007   6:00 pm
Operator  : PhilipB
Sample    : BS (M068)
Misc      : MS13602,MSQ190,,,,,1
ALS Vial  : 1   Sample Multiplier: 1

Quant Time: May 23 09:43:01 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:36:34 2007
Response via : Initial Calibration
```



TIC: Q3491A.D\data.ms

(3) PROPYLENE (m)

3.533min (+0.019) 6.61PPBV

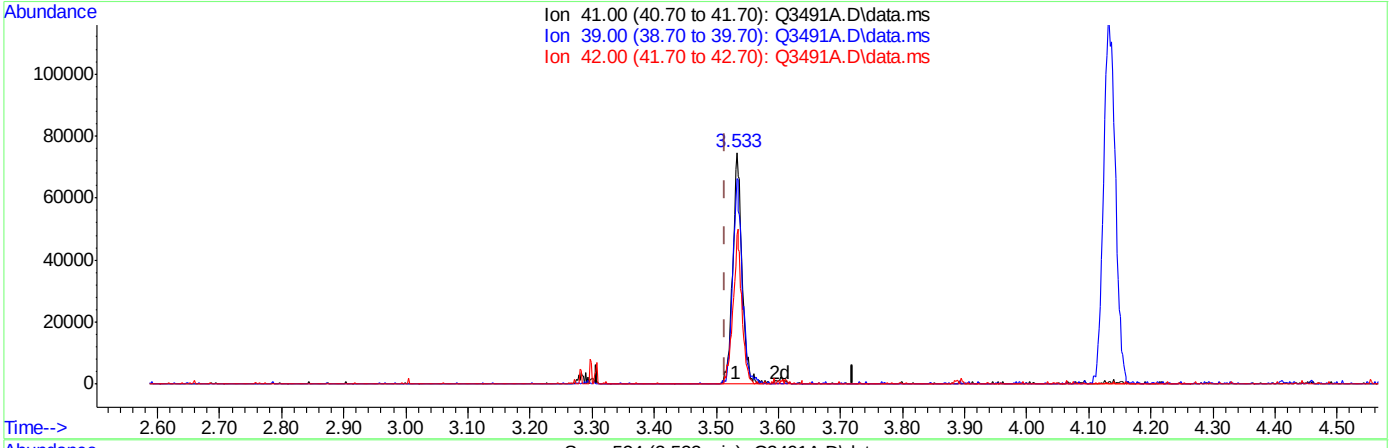
response 82238

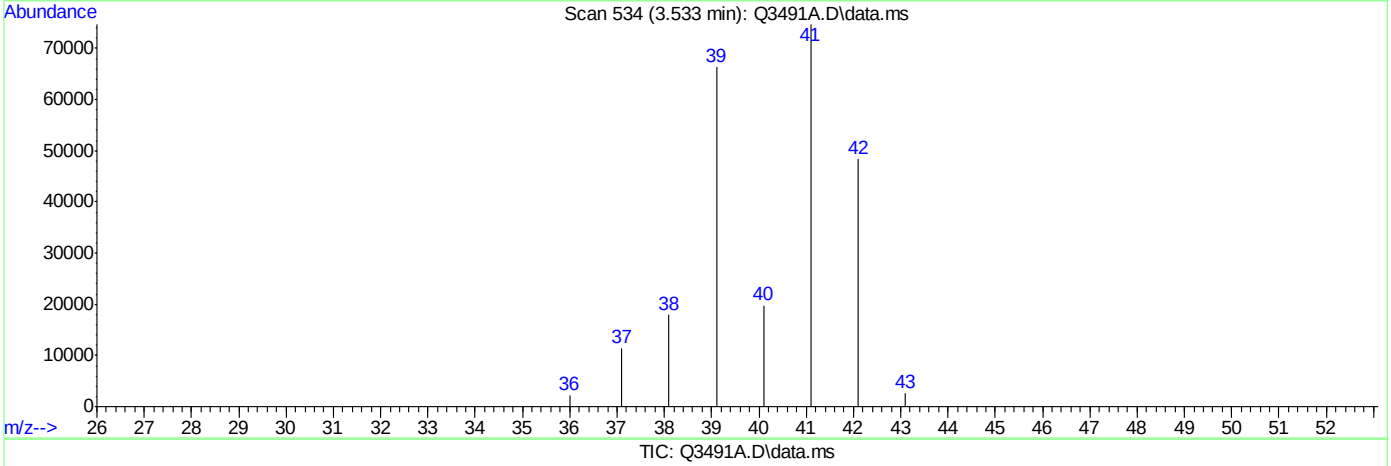
Ion	Exp%	Act%
41.00	100	100
39.00	90.30	88.85
42.00	56.70	64.73
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3491A.D
Acq On    : 22 May 2007   6:00 pm
Operator  : PhilipB
Sample    : BS (M068)
Misc      : MS13602,MSQ190,,,,,1
ALS Vial  : 1   Sample Multiplier: 1

Quant Time: May 23 09:43:01 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:36:34 2007
Response via : Initial Calibration
```



TIC: Q3491A.D\data.ms

(3) PROPYLENE (m)

3.533min (+0.019) 7.13PPBV m

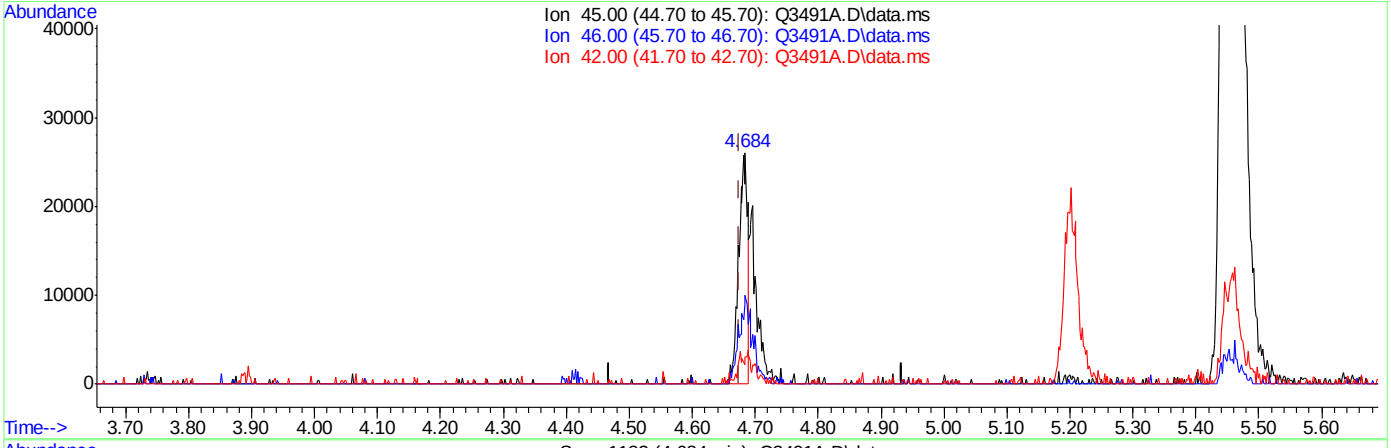
response 88727

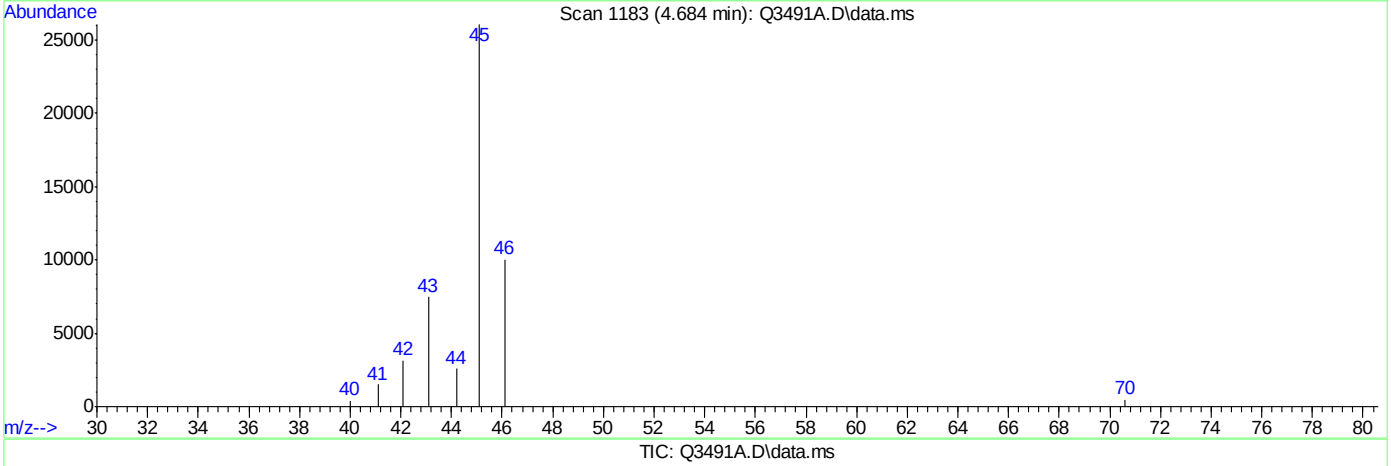
Ion	Exp%	Act%
41.00	100	100
39.00	90.30	88.85
42.00	56.70	64.73
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3491A.D
Acq On : 22 May 2007 6:00 pm
Operator : PhilipB
Sample : BS (M068)
Misc : MS13602,MSQ190,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 23 09:43:01 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:36:34 2007
Response via : Initial Calibration





TIC: Q3491A.D\data.ms

(16) ETHANOL (m)

4.684min (+0.009) 5.10PPBV

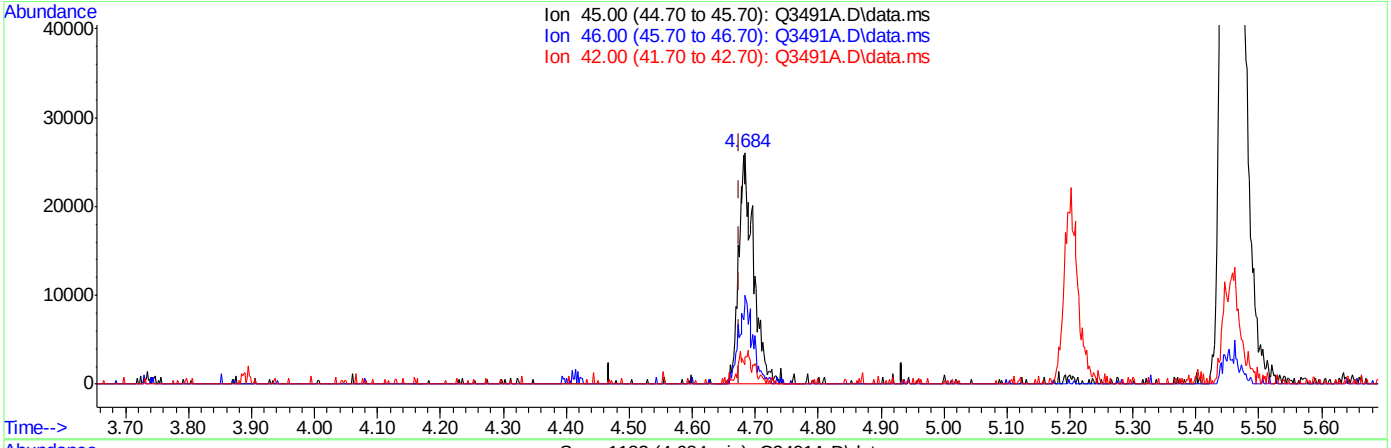
response 26759

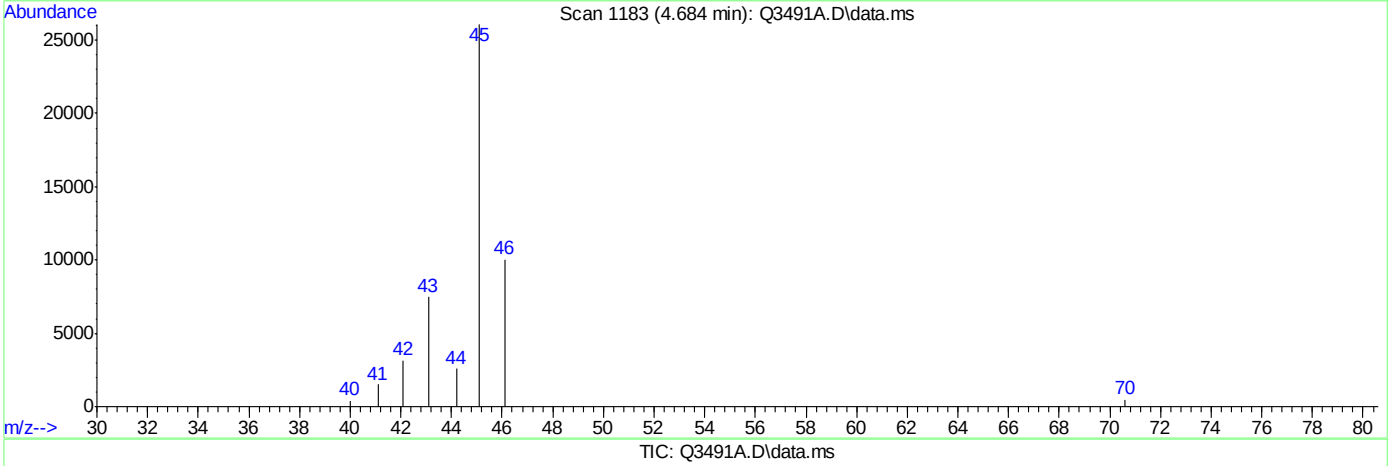
Ion	Exp%	Act%
45.00	100	100
46.00	0.00	57.80#
42.00	0.00	6.66
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3491A.D
Acq On : 22 May 2007 6:00 pm
Operator : PhilipB
Sample : BS (M068)
Misc : MS13602,MSQ190,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 23 09:43:01 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:36:34 2007
Response via : Initial Calibration





TIC: Q3491A.D\data.ms

(16) ETHANOL (m)

4.684min (+0.009) 8.47PPBV m

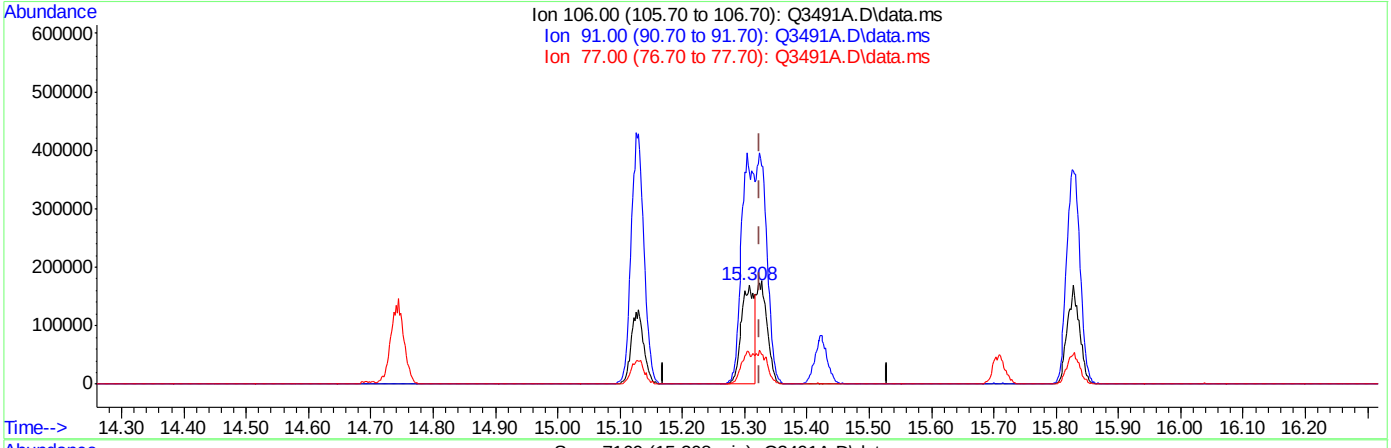
response 44429

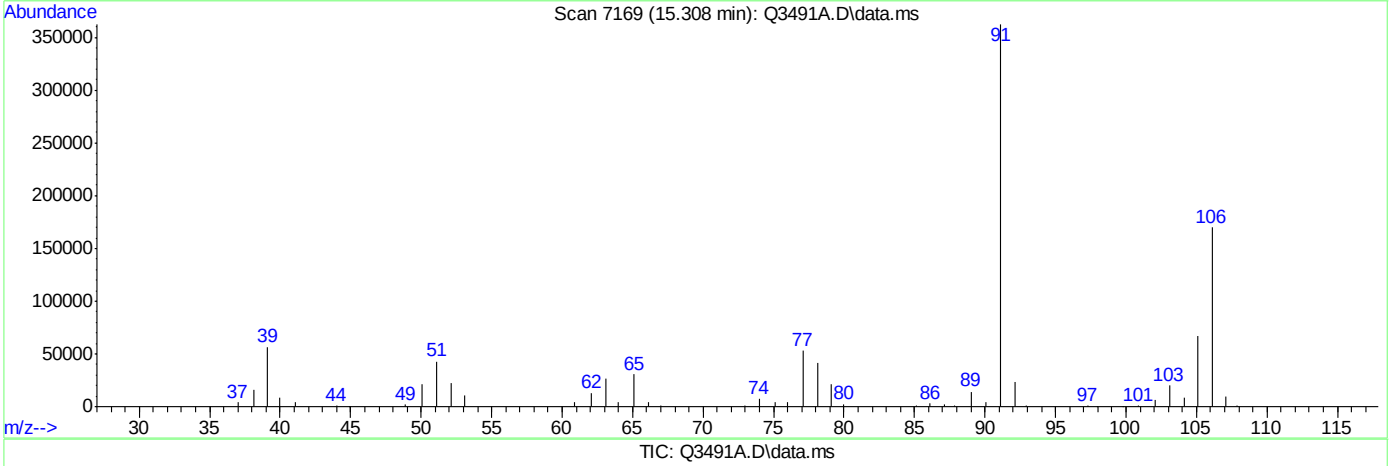
Ion	Exp%	Act%
45.00	100	100
46.00	0.00	34.81#
42.00	0.00	4.01
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3491A.D
Acq On    : 22 May 2007   6:00 pm
Operator  : PhilipB
Sample    : BS (M068)
Misc      : MS13602,MSQ190,,,,,1
ALS Vial  : 1   Sample Multiplier: 1

Quant Time: May 23 09:43:01 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:36:34 2007
Response via : Initial Calibration
```



TIC: Q3491A.D\data.ms

(56) m,p-XYLENE (m)

15.308min (-0.016) 9.76PPBV

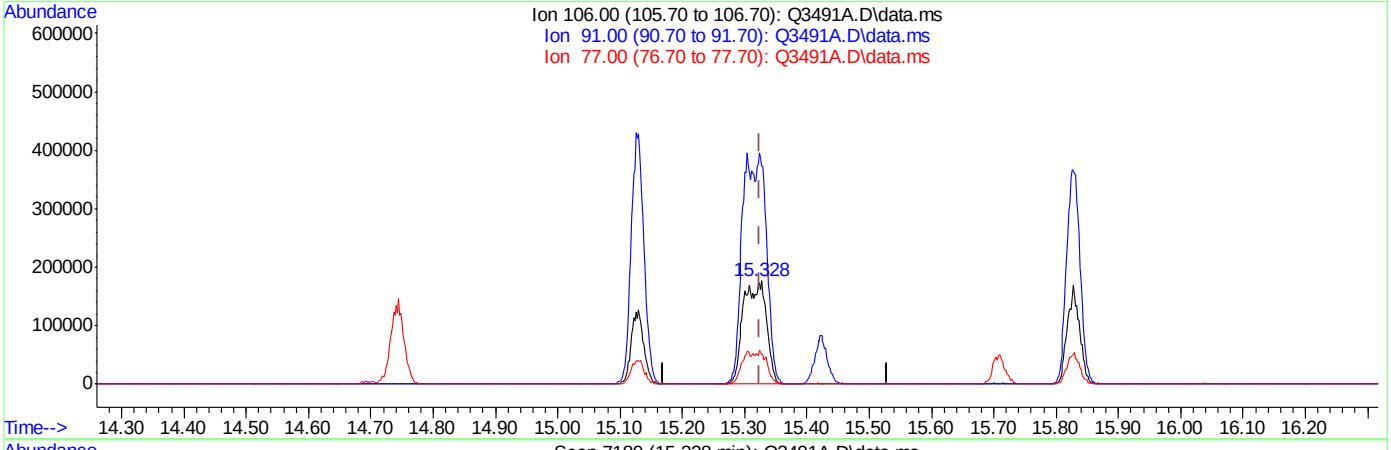
response 249289

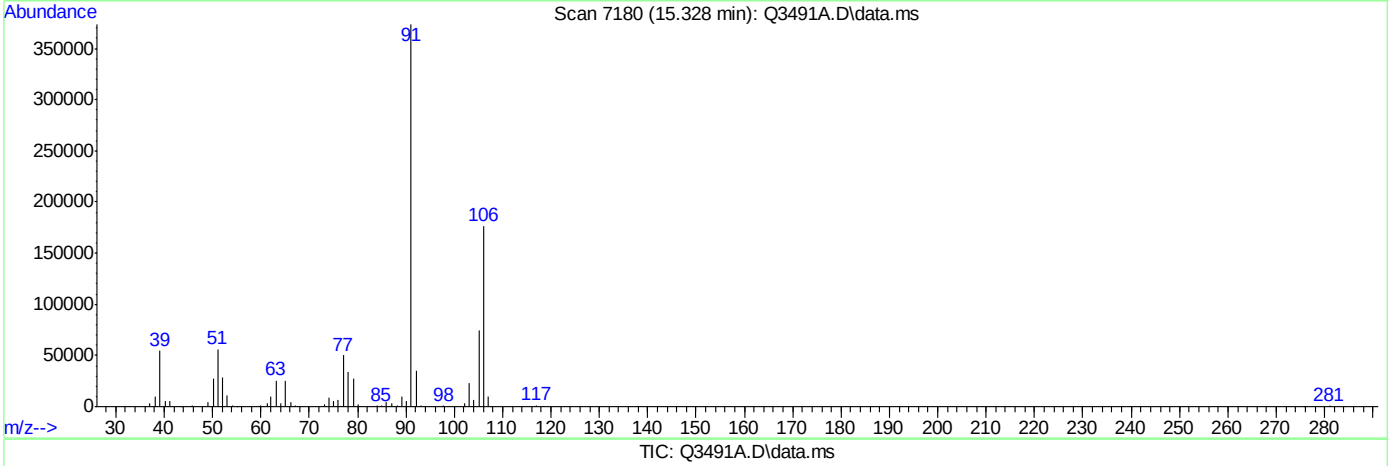
Ion	Exp%	Act%
106.00	100	100
91.00	204.20	213.74
77.00	30.60	31.28
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3491A.D
Acq On : 22 May 2007 6:00 pm
Operator : PhilipB
Sample : BS (M068)
Misc : MS13602,MSQ190,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 23 09:43:01 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:36:34 2007
Response via : Initial Calibration





TIC: Q3491A.D\data.ms

(56) m,p-XYLENE (m)

15.328min (+0.004) 17.89PPBV m

response 457041

Ion	Exp%	Act%
106.00	100	100
91.00	204.20	211.72
77.00	30.60	28.52
0.00	0.00	0.00

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

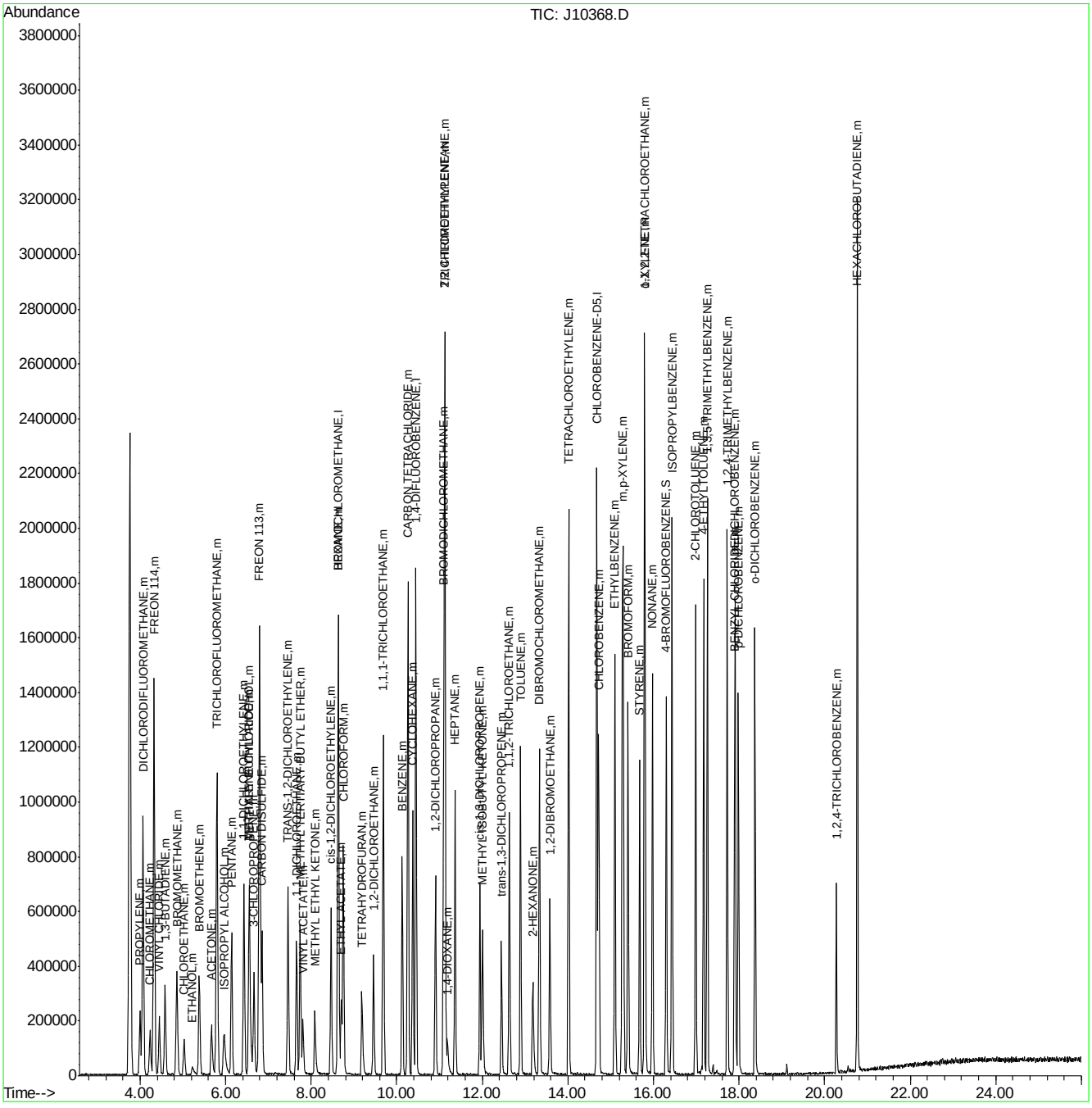
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.00	43	382866	11.28	PPBV	100
45) cis-1,3-DICHLOROPROPENE	11.94	75	348436	11.68	PPBV	99
46) TOLUENE	12.89	92	498828	11.84	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.45	75	258363	7.54	PPBV	98
48) 1,1,2-TRICHLOROETHANE	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
M64940

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
05/18/07 11:39

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3396A.D
Acq On : 16 May 2007 12:25 pm
Operator : PhilipB
Sample : BS (M068)
Misc : MS13579,MSQ186,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 16 13:32:06 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 11:12:42 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.422	128	101478	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.344	114	511481	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.696	117	468169	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.336	95	210260	5.23	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 104.60%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	3.589	85	837189	9.88	PPBV	83
3) PROPYLENE	3.518	41	316625	10.55	PPBV	86
4) FREON 114	3.854	85	882633	10.26	PPBV #	100
5) CHLOROMETHANE	3.756	50	401350	10.61	PPBV	98
6) VINYL CHLORIDE	3.978	62	320468	10.24	PPBV	72
7) 1,3-BUTADIENE	4.117	39	332879	10.42	PPBV #	100
8) BROMOMETHANE	4.395	94	272061	10.97	PPBV #	100
9) CHLOROETHANE	4.571	64	134001	10.09	PPBV #	100
10) TRICHLOROFLUOROMETHANE	5.386	101	797163	8.55	PPBV #	100
11) ISOPROPYL ALCOHOL	5.439	45	416548m	7.00	PPBV	
12) ACETONE	5.183	43	431411	8.15	PPBV #	76
13) PENTANE	5.764	42	212087	7.35	PPBV #	100
14) 1,1-DICHLOROETHYLENE	6.067	96	215747	8.68	PPBV #	18
15) CARBON DISULFIDE	6.520	76	533641	8.85	PPBV	66
16) ETHANOL	4.667	45	116423	9.55	PPBV #	100
17) BROMOETHENE	4.938	106	256272	10.53	PPBV #	100
18) METHYLENE CHLORIDE	6.188	84	175159	9.18	PPBV #	1
19) 3-CHLOROPROPENE	6.319	39	179672	8.79	PPBV #	1
20) FREON 113	6.466	151	456511	10.40	PPBV #	100
21) TRANS-1,2-DICHLOROETHY...	7.178	96	211945	9.84	PPBV #	100
22) TERTIARY BUTYL ALCOHOL	6.087	59	447978	8.44	PPBV #	100
23) METHYL TERTIARY BUTYL ...	7.441	73	489731	9.87	PPBV #	100
24) TETRAHYDROFURAN	8.956	42	307969	10.07	PPBV #	100
25) HEXANE	8.456	57	315018	9.44	PPBV #	100
26) VINYL ACETATE	7.535	43	446883	8.14	PPBV	90
27) 1,1-DICHLOROETHANE	7.391	63	401478	9.23	PPBV #	100
28) METHYL ETHYL KETONE	7.792	43	641133	10.56	PPBV	86
29) cis-1,2-DICHLOROETHYLENE	8.250	96	149414	9.13	PPBV #	100
30) ETHYL ACETATE	8.463	43	1031386	10.39	PPBV	100
31) CHLOROFORM	8.552	83	439265	9.54	PPBV #	100
32) 1,1,1-TRICHLOROETHANE	9.547	97	465786	10.05	PPBV	90
33) CARBON TETRACHLORIDE	10.158	117	523445	10.29	PPBV	94
34) 1,2-DICHLOROETHANE	9.295	62	379207	10.21	PPBV	99
36) BENZENE	10.012	78	425494	8.01	PPBV	88
37) CYCLOHEXANE	10.286	84	160140	8.99	PPBV #	33
38) TRICHLOROETHYLENE	11.051	95	255889	8.83	PPBV #	86
39) 1,2-DICHLOROPROPANE	10.822	63	204012	8.06	PPBV #	65
40) BROMODICHLOROMETHANE	11.012	83	450292	9.13	PPBV	97
41) 2,2,4-TRIMETHYLPENTANE	11.075	57	1025180	8.26	PPBV #	94
42) 1,4-DIOXANE	11.043	88	81086	8.40	PPBV #	21
43) HEPTANE	11.327	43	471253	8.88	PPBV #	75

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3396A.D
Acq On : 16 May 2007 12:25 pm
Operator : PhilipB
Sample : BS (M068)
Misc : MS13579,MSQ186,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 16 13:32:06 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 11:12:42 2007
Response via : Initial Calibration

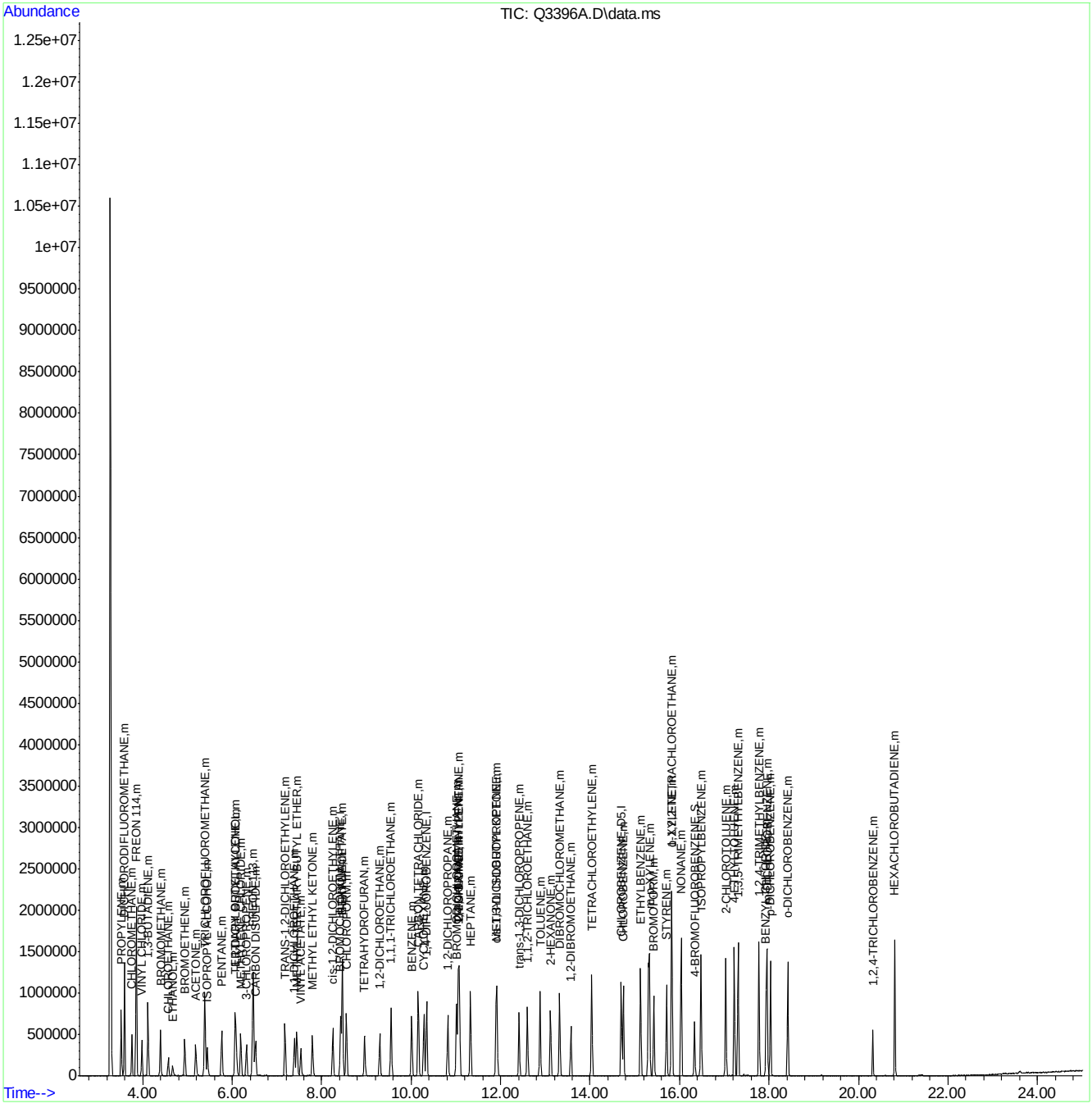
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) METHYL ISOBUTYL KETONE	11.917	43	690684	9.05	PPBV		91
45) cis-1,3-DICHLOROPROPENE	11.895	75	293113	8.70	PPBV		89
46) TOLUENE	12.880	92	314175	8.94	PPBV		96
47) trans-1,3-DICHLOROPROPENE	12.410	75	307965	10.63	PPBV	#	99
48) 1,1,2-TRICHLOROETHANE	12.598	83	172616	8.11	PPBV		93
50) 2-HEXANONE	13.115	43	606351	9.15	PPBV		93
51) TETRACHLOROETHYLENE	14.036	164	176825	11.02	PPBV	#	81
52) DIBROMOCHLOROMETHANE	13.319	129	436514	9.38	PPBV		99
53) 1,2-DIBROMOETHANE	13.573	107	349008	8.63	PPBV		98
54) CHLOROBENZENE	14.740	112	425898	8.59	PPBV		89
55) ETHYLBENZENE	15.127	91	792019	9.10	PPBV		94
56) m,p-XYLENE	15.326	106	561115m	17.54	PPBV		
57) o-XYLENE	15.828	106	281319	8.51	PPBV	#	88
58) STYRENE	15.708	104	390785	9.44	PPBV		98
59) NONANE	16.036	43	737369	8.39	PPBV		82
60) BROMOFORM	15.424	173	357045	9.76	PPBV		98
62) 1,1,2,2-TETRACHLOROETHANE	15.819	83	475988	8.11	PPBV		94
63) ISOPROPYLBENZENE	16.481	105	832886	8.68	PPBV		96
64) 2-CHLOROTOLUENE	17.033	91	652550	8.71	PPBV		92
65) 4-ETHYLTOLUENE	17.225	105	809350	9.58	PPBV		93
66) 1,3,5-TRIMETHYLBENZENE	17.308	105	749228	9.15	PPBV		93
67) 1,2,4-TRIMETHYLBENZENE	17.773	105	730675	9.43	PPBV		92
68) m-DICHLOROBENZENE	17.958	146	418170	9.22	PPBV		95
69) BENZYL CHLORIDE	17.933	91	559153	10.60	PPBV		93
70) p-DICHLOROBENZENE	18.033	146	395868	9.47	PPBV		95
71) o-DICHLOROBENZENE	18.419	146	406545	10.01	PPBV		96
72) HEXACHLOROBUTADIENE	20.810	225	163831	12.99	PPBV		98
73) 1,2,4-TRICHLOROBENZENE	20.322	180	92517	12.74	PPBV		95

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3396A.D
Acq On : 16 May 2007 12:25 pm
Operator : PhilipB
Sample : BS (M068)
Misc : MS13579,MSQ186,,,,,1
ALS Vial : 3 Sample Multiplier: 1

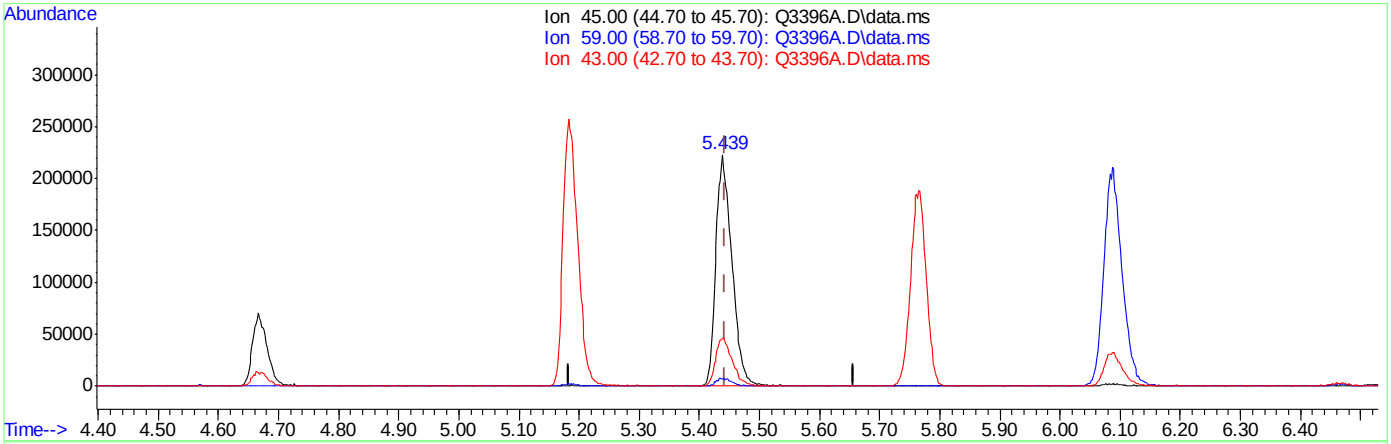
Quant Time: May 16 13:32:06 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 11:12:42 2007
Response via : Initial Calibration

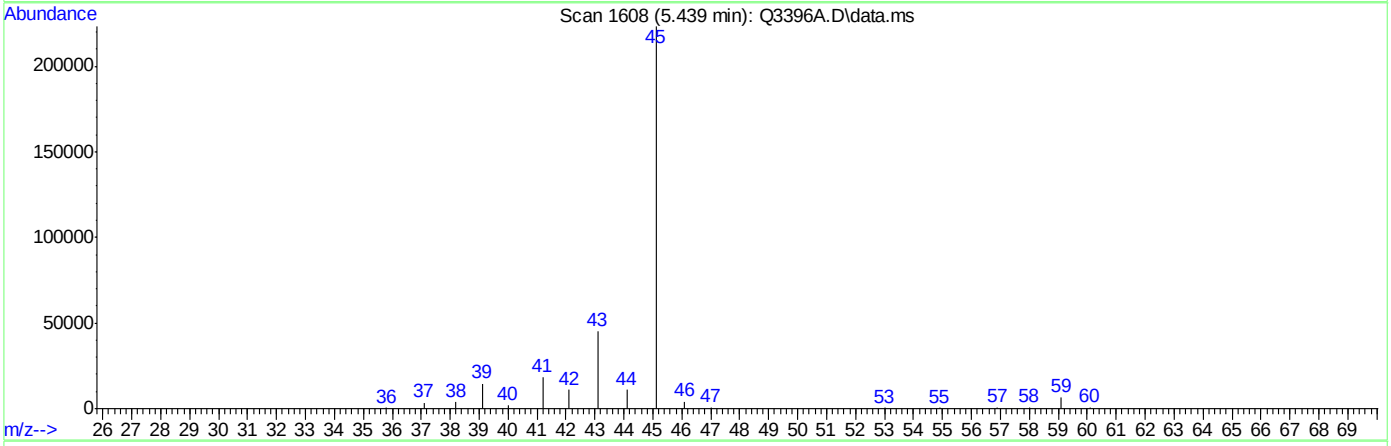


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3396A.D
Acq On : 16 May 2007 12:25 pm
Operator : PhilipB
Sample : BS (M068)
Misc : MS13579,MSQ186,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 16 13:31:42 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 11:12:42 2007
Response via : Initial Calibration





TIC: Q3396A.D\data.ms

(11) ISOPROPYL ALCOHOL (m)

5.439min (-0.004) 6.93PPBV

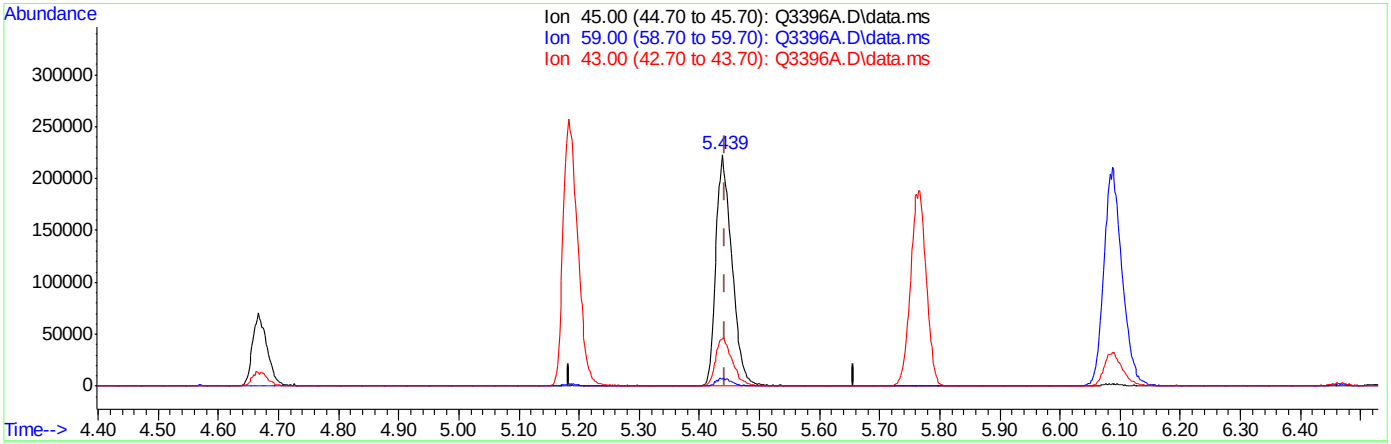
response 412460

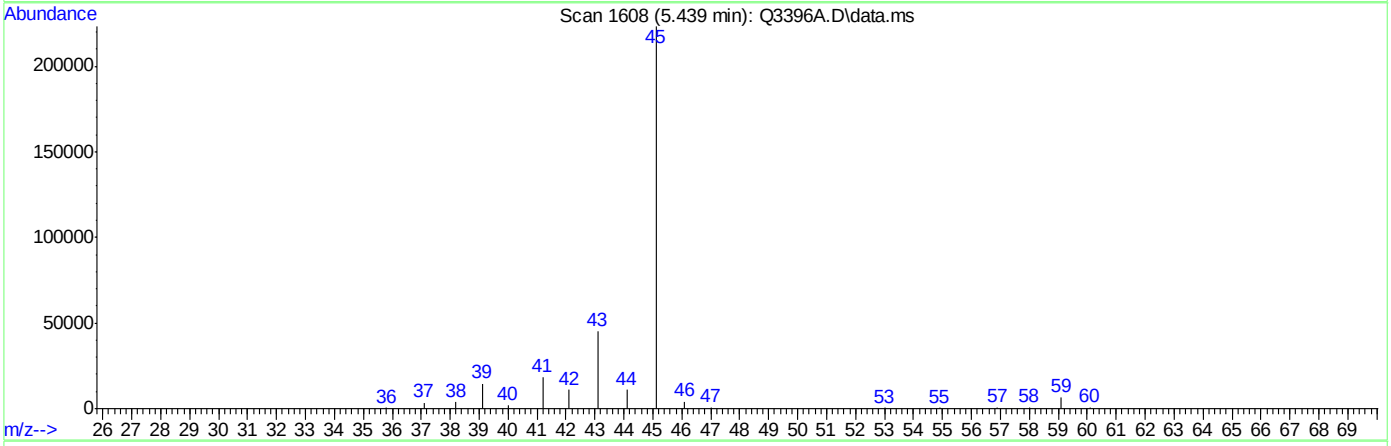
Ion	Exp%	Act%
45.00	100	100
59.00	2.80	3.09
43.00	22.80	20.29
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3396A.D
Acq On : 16 May 2007 12:25 pm
Operator : PhilipB
Sample : BS (M068)
Misc : MS13579,MSQ186,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 16 13:31:42 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 11:12:42 2007
Response via : Initial Calibration





TIC: Q3396A.D\data.ms

(11) ISOPROPYL ALCOHOL (m)

5.439min (-0.004) 7.00PPBV m

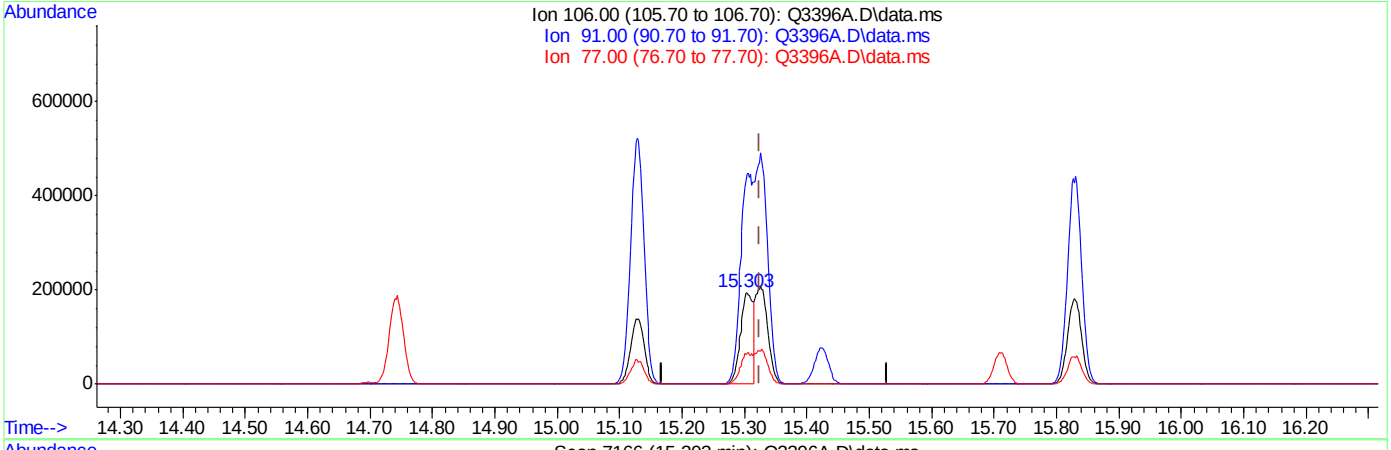
response 416548

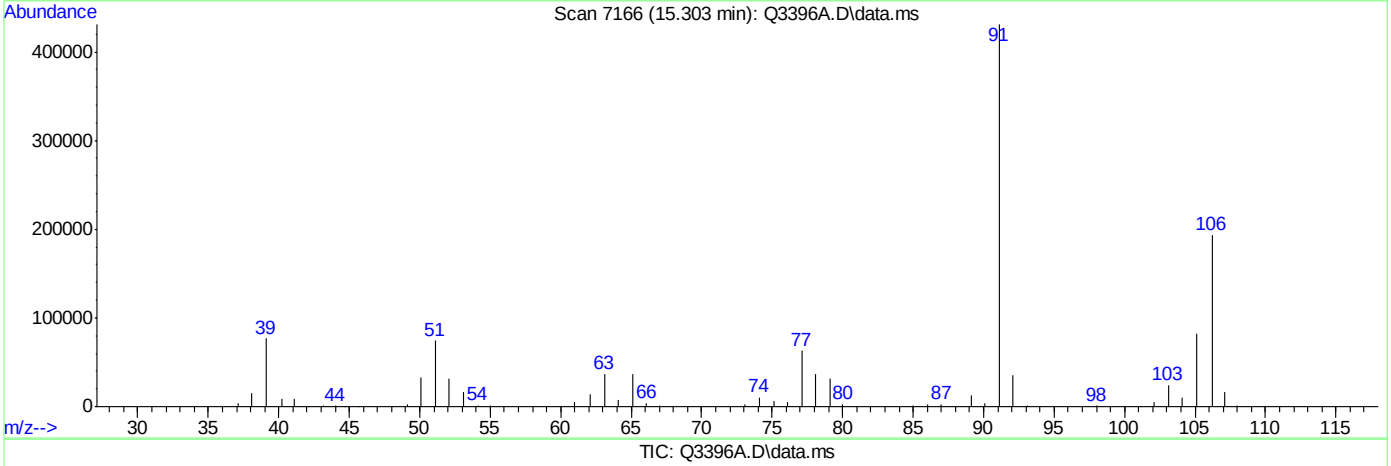
Ion	Exp%	Act%
45.00	100	100
59.00	2.80	3.09
43.00	22.80	20.29
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3396A.D
Acq On : 16 May 2007 12:25 pm
Operator : PhilipB
Sample : BS (M068)
Misc : MS13579,MSQ186,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 16 13:31:42 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 11:12:42 2007
Response via : Initial Calibration





TIC: Q3396A.D\data.ms

(56) m,p-XYLENE (m)

15.303min (-0.021) 8.75PPBV

response 280032

Ion	Exp%	Act%
106.00	100	100
91.00	204.20	222.17
77.00	30.60	32.39
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3396A.D
Acq On    : 16 May 2007  12:25 pm
Operator  : PhilipB
Sample    : BS (M068)
Misc      : MS13579,MSQ186,,,,,1
ALS Vial  : 3   Sample Multiplier: 1

Quant Time: May 16 13:31:42 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 11:12:42 2007
Response via : Initial Calibration
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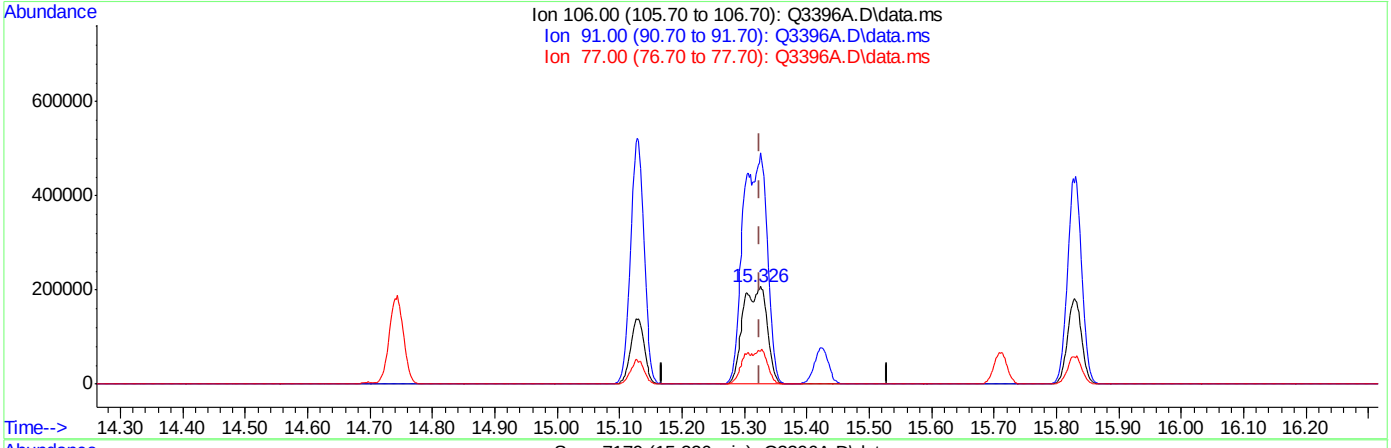
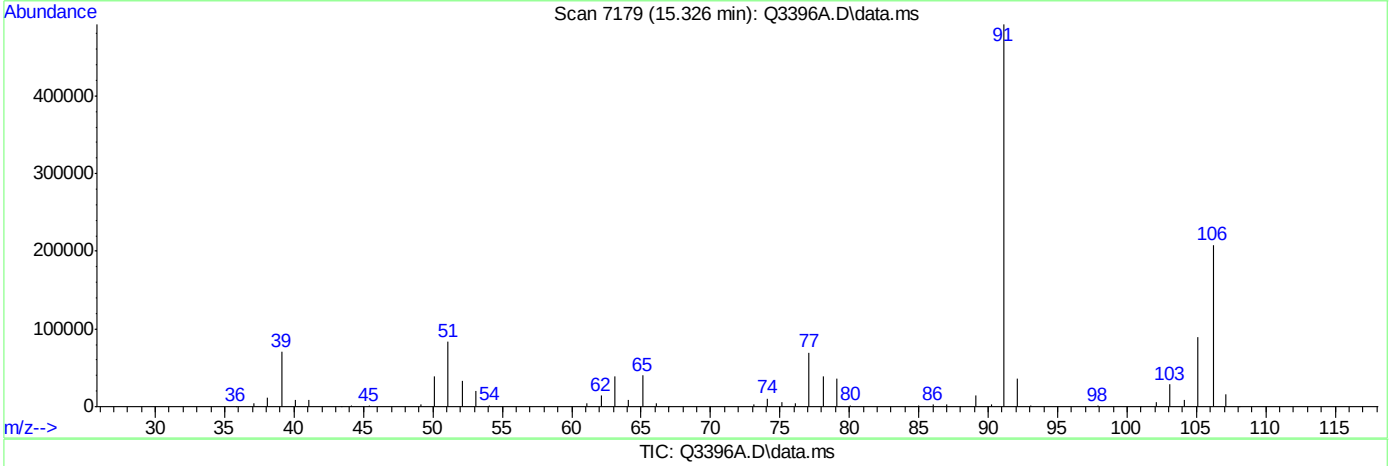




TIC: Q3396A.D\data.ms

(56) m,p-XYLENE (m)

15.326min (+0.002) 17.54PPBV m

response 561115

Ion	Exp%	Act%
106.00	100	100
91.00	204.20	236.70
77.00	30.60	33.39
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3457.D
Acq On : 18 May 2007 7:32 pm
Operator : PhilipB
Sample : M64901-1dup
Misc : MS13602,MSQ188,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 21 09:40:16 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 11:12:42 2007
Response via : Initial Calibration

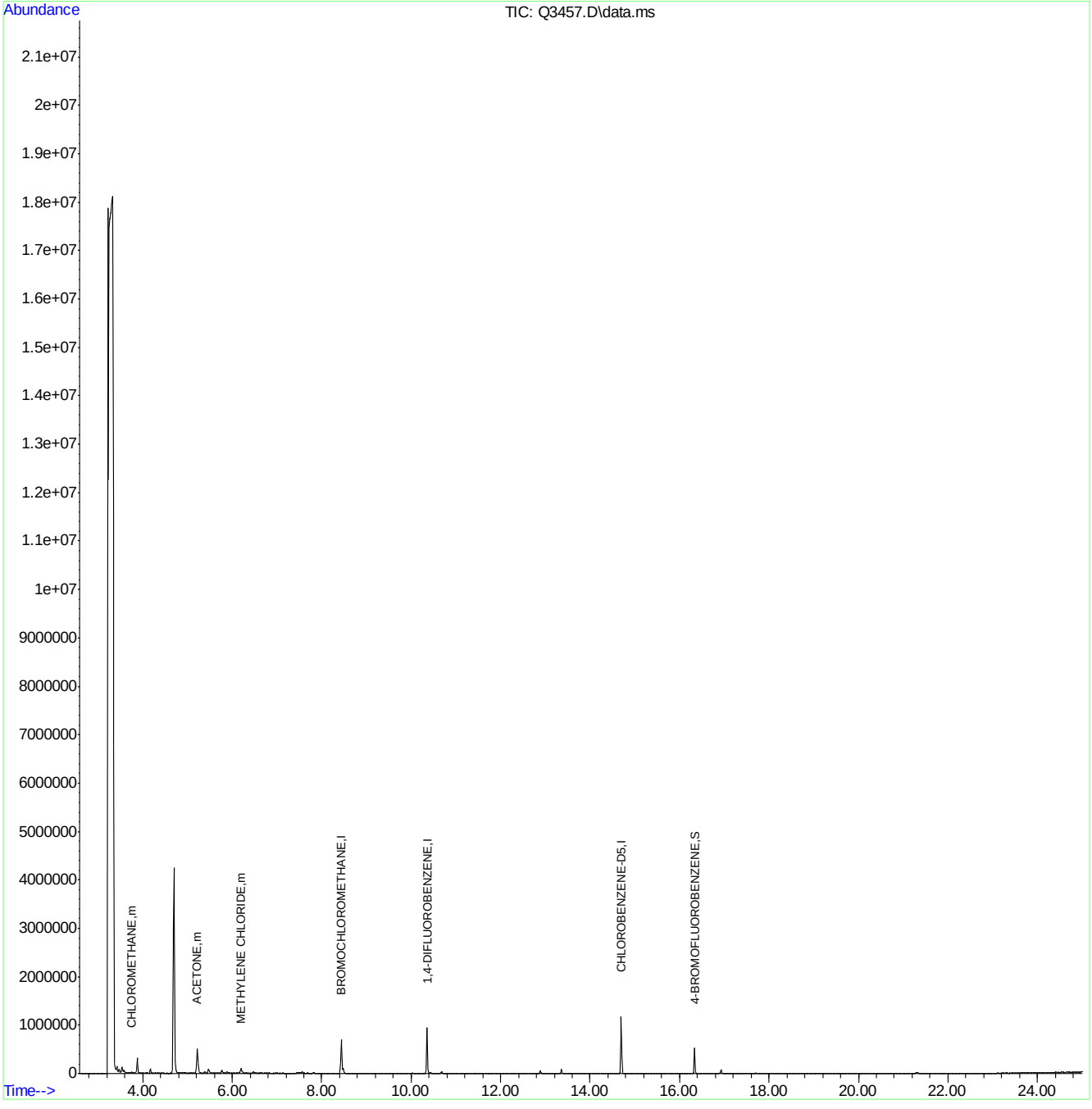
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.440	128	96578	10.00	PPBV	0.02
35) 1,4-DIFLUOROBENZENE	10.353	114	437747	10.00	PPBV	0.01
49) CHLOROBENZENE-D5	14.696	117	391350	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.332	95	135955	4.04	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 80.80%			
Target Compounds						Qvalue
5) CHLOROMETHANE	3.749	50	15651	0.43	PPBV	97
12) ACETONE	5.217	43	624342	12.39	PPBV #	75
18) METHYLENE CHLORIDE	6.195	84	27652	0.46	PPBV #	1

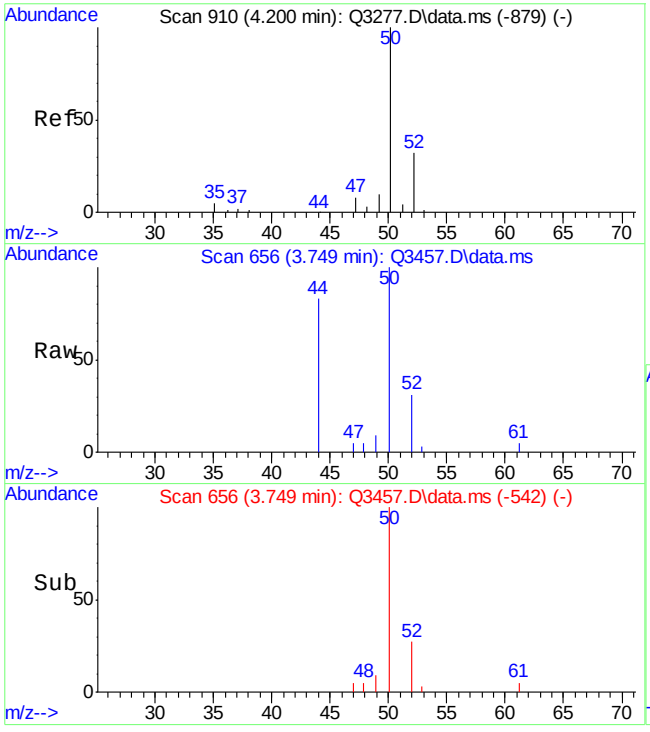
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3457.D
Acq On : 18 May 2007 7:32 pm
Operator : PhilipB
Sample : M64901-1dup
Misc : MS13602,MSQ188,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 21 09:40:16 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 11:12:42 2007
Response via : Initial Calibration

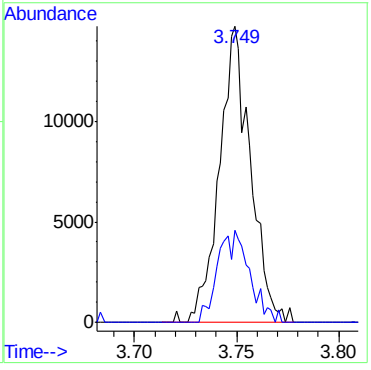


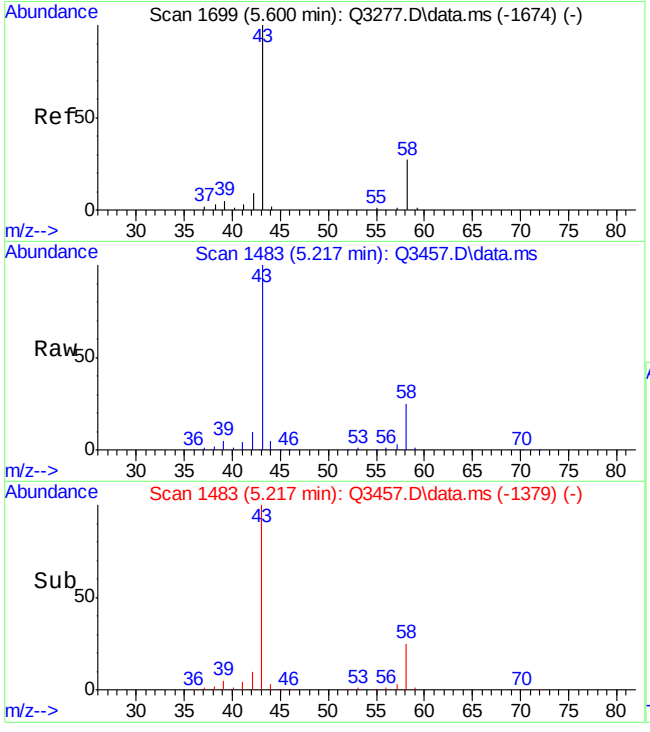


#5
CHLOROMETHANE
Concen: 0.43 PPBV
RT: 3.749 min Scan# 656
Delta R.T. -0.004 min
Lab File: Q3457.D
Acq: 18 May 2007 7:32 pm

Tgt Ion: 50 Resp: 15651

Ion	Ratio	Lower	Upper
50	100		
52	31.3	12.8	52.8

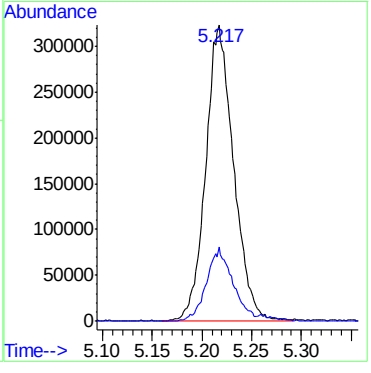


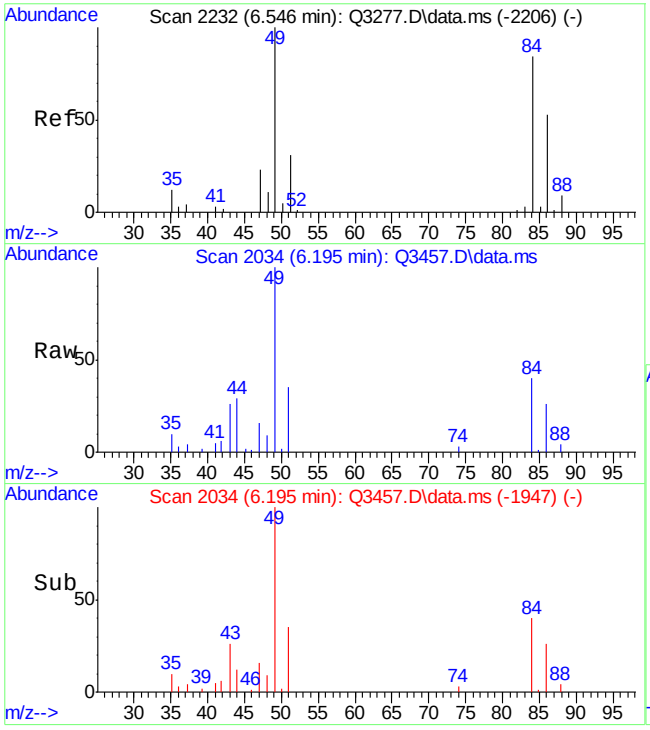


#12
ACETONE
Concen: 12.39 PPBV
RT: 5.217 min Scan# 1483
Delta R.T. 0.029 min
Lab File: Q3457.D
Acq: 18 May 2007 7:32 pm

Tgt Ion: 43 Resp: 624342

Ion	Ratio	Lower	Upper
43	100		
58	23.5	0.0	20.3#

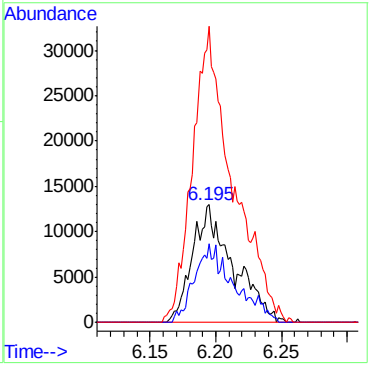




#18
METHYLENE CHLORIDE
Concen: 0.46 PPBV
RT: 6.195 min Scan# 2034
Delta R.T. 0.004 min
Lab File: Q3457.D
Acq: 18 May 2007 7:32 pm

Tgt Ion: 84 Resp: 27652

Ion	Ratio	Lower	Upper
84	100		
86	64.1	0.0	21.1#
49	250.8	0.0	204.0#



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3500.D
Acq On : 23 May 2007 10:40 am
Operator : PhilipB
Sample : M64940-7DUP
Misc : MS13602,MSQ190,,,,,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: May 23 11:45:25 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:36:34 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.438	128	70264	10.00	PPBV	0.02
35) 1,4-DIFLUOROBENZENE	10.353	114	312983	10.00	PPBV	0.01
49) CHLOROBENZENE-D5	14.699	117	280624	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.334	95	97675	4.53	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 90.60%

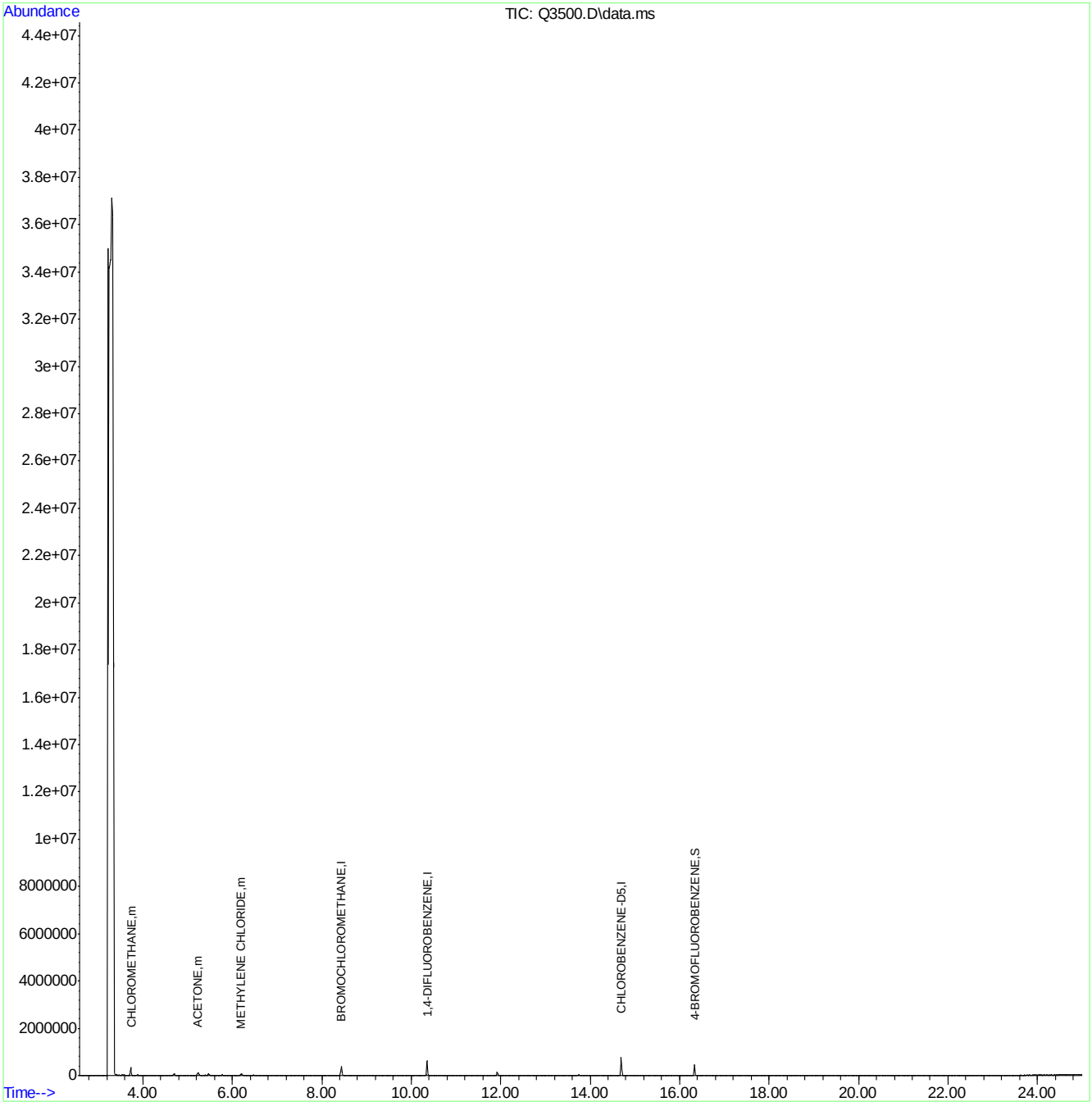
Target Compounds						Qvalue
5) CHLOROMETHANE	3.749	50	4747	0.36	PPBV	85
12) ACETONE	5.229	43	130252	4.37	PPBV	82
18) METHYLENE CHLORIDE	6.191	84	29710	1.72	PPBV #	1

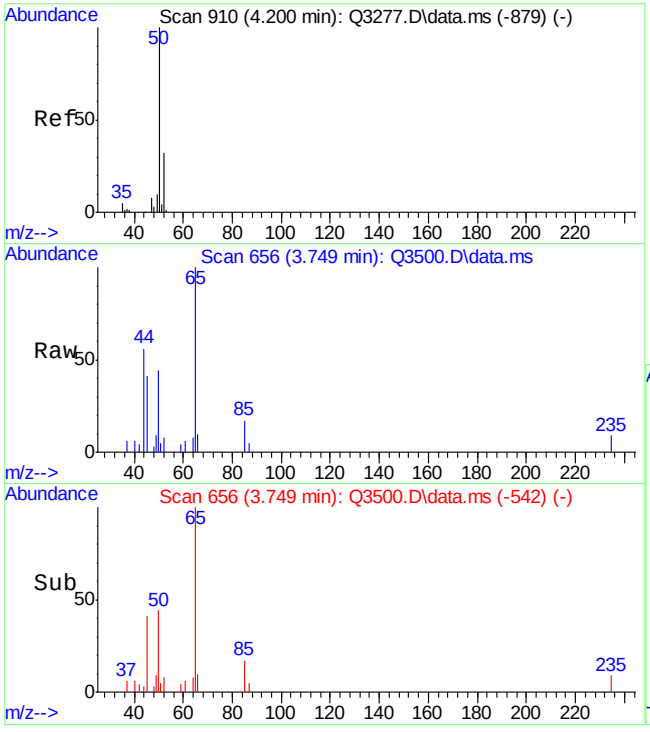
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3500.D
Acq On : 23 May 2007 10:40 am
Operator : PhilipB
Sample : M64940-7DUP
Misc : MS13602,MSQ190,,,,,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: May 23 11:45:25 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:36:34 2007
Response via : Initial Calibration

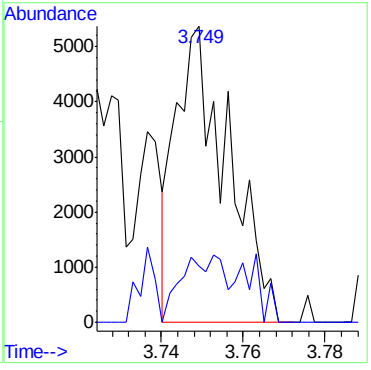


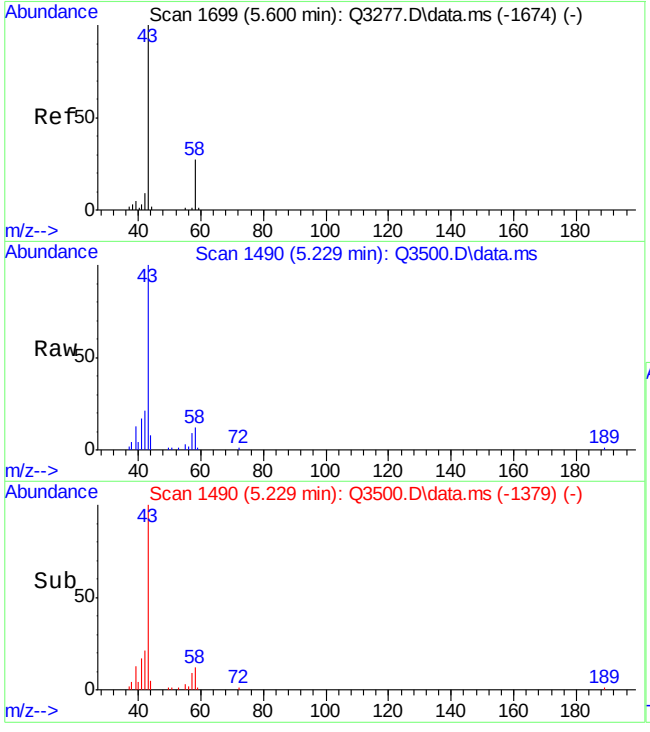


#5
CHLOROMETHANE
Concen: 0.36 PPBV
RT: 3.749 min Scan# 656
Delta R.T. -0.003 min
Lab File: Q3500.D
Acq: 23 May 2007 10:40 am

Tgt Ion: 50 Resp: 4747

Ion	Ratio	Lower	Upper
50	100		
52	24.2	12.8	52.8

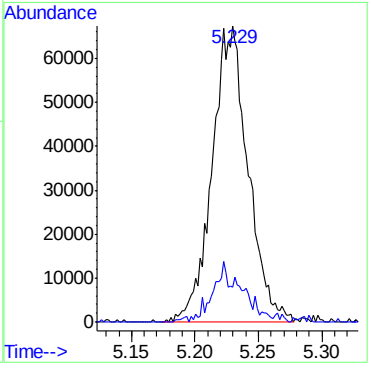


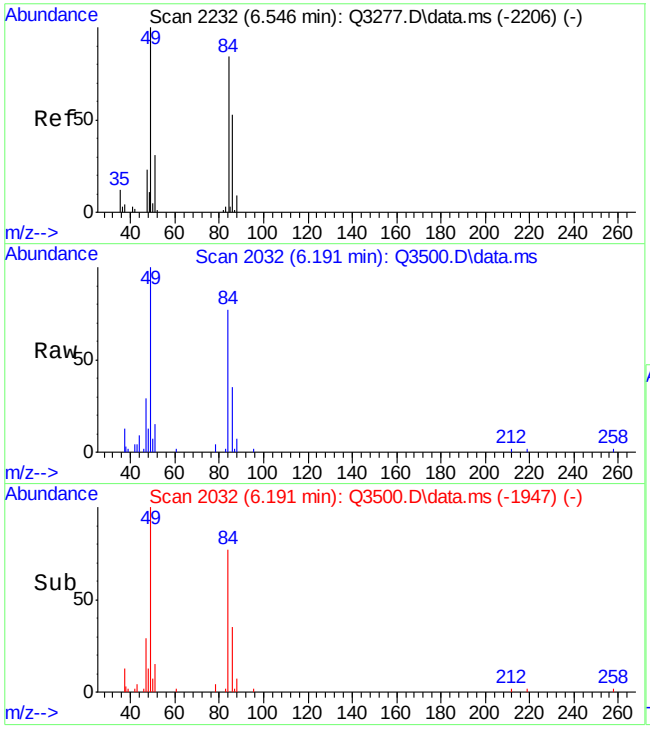


#12
ACETONE
Concen: 4.37 PPBV
RT: 5.229 min Scan# 1490
Delta R.T. 0.041 min
Lab File: Q3500.D
Acq: 23 May 2007 10:40 am

Tgt Ion: 43 Resp: 130252

Ion	Ratio	Lower	Upper
43	100		
58	16.7	0.0	20.3

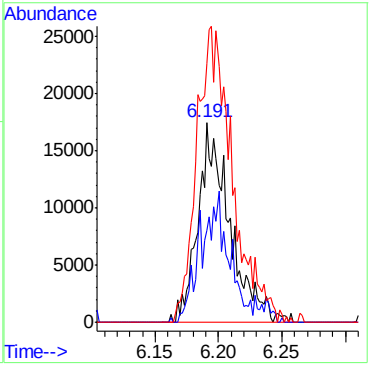




#18
METHYLENE CHLORIDE
Concen: 1.72 PPBV
RT: 6.191 min Scan# 2032
Delta R.T. 0.000 min
Lab File: Q3500.D
Acq: 23 May 2007 10:40 am

Tgt Ion: 84 Resp: 29710

Ion	Ratio	Lower	Upper
84	100		
86	57.3	0.0	21.1#
49	166.3	0.0	204.0



6.4.2

6

Manual Integrations
APPROVED
(compounds with "m" flag)
Doug Yargeau
05/16/07 12:37

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10369A.D
Acq On : 15 May 2007 2:08 pm
Operator : PhilipB
Sample : M64240-22 (M108)
Misc : MS13540, MSJ537,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 15 18:30:06 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%

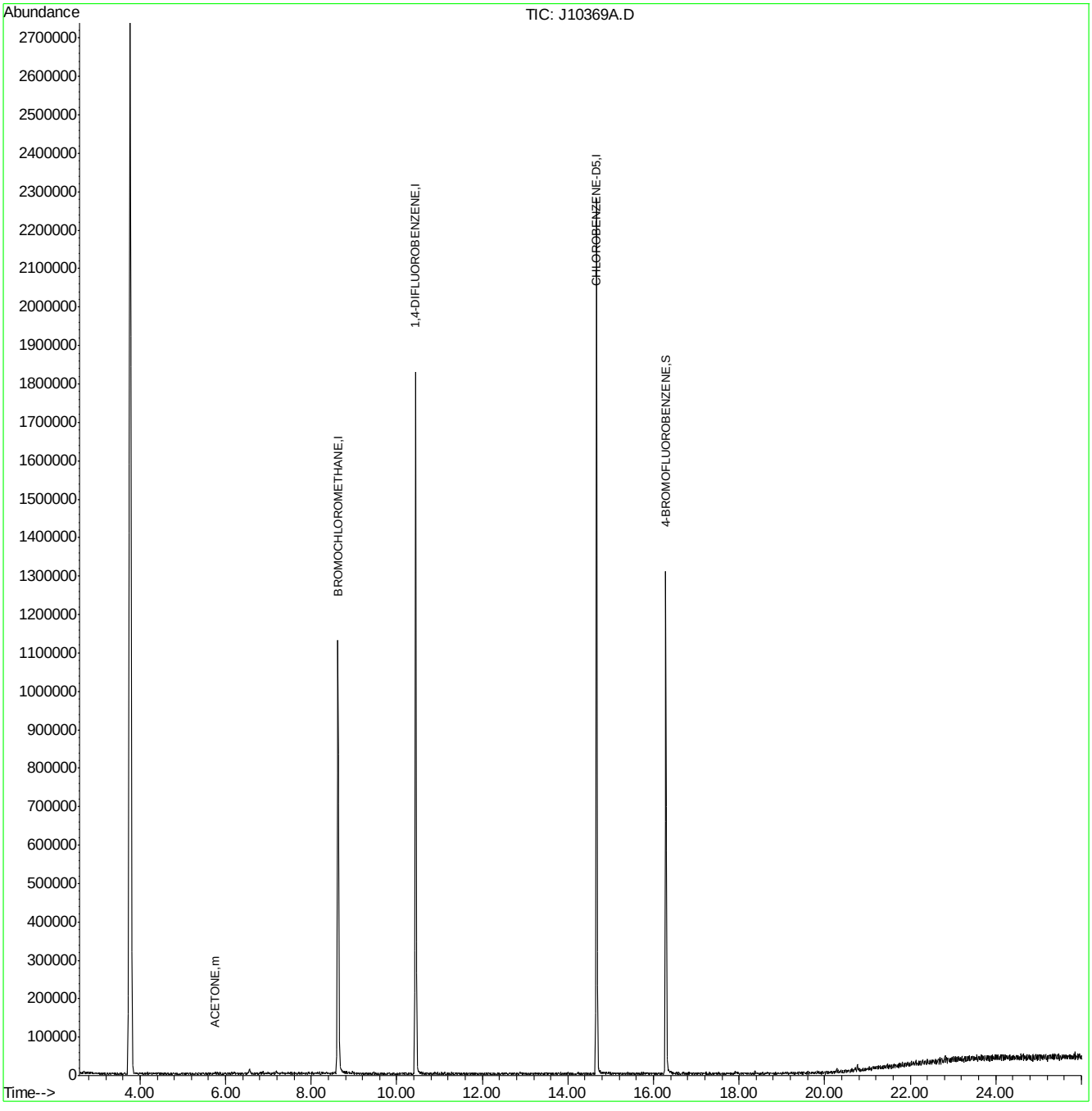
Target Compounds						Qvalue
12) ACETONE	5.76	43	4633m	0.37	PPBV	

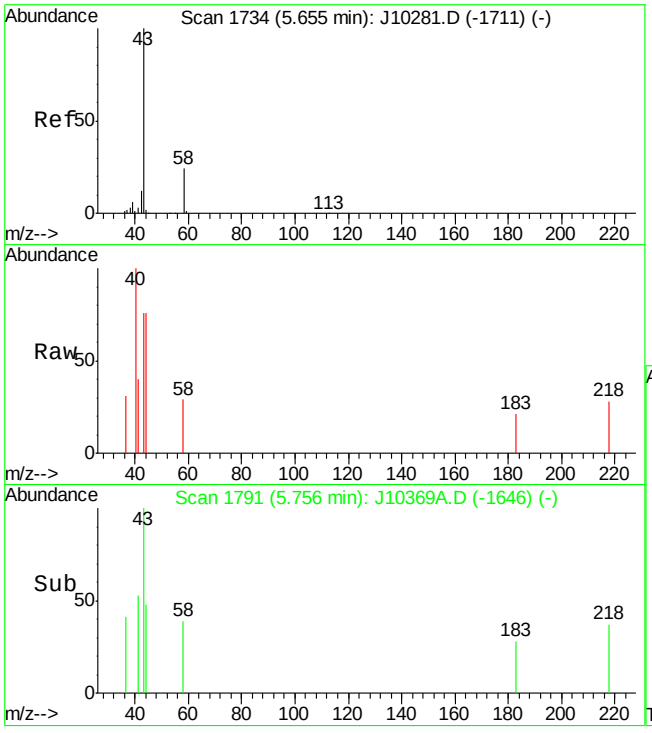
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10369A.D
Acq On : 15 May 2007 2:08 pm
Operator : PhilipB
Sample : M64240-22 (M108)
Misc : MS13540, MSJ537,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 15 18:30:06 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

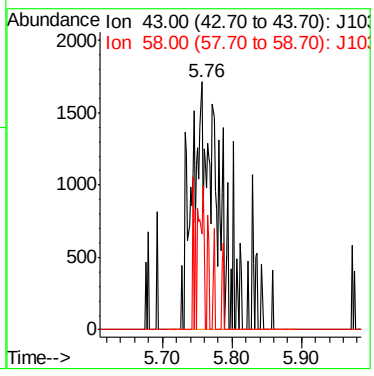




#12
ACETONE
Concen: 0.37 PPBV m
RT: 5.76 min Scan# 1791
Delta R.T. 0.10 min
Lab File: J10369A.D
Acq: 15 May 2007 2:08 pm

Tgt Ion: 43 Resp: 4633

Ion	Ratio	Lower	Upper
43	100		
58	12.5	6.8	46.8



6.5.1

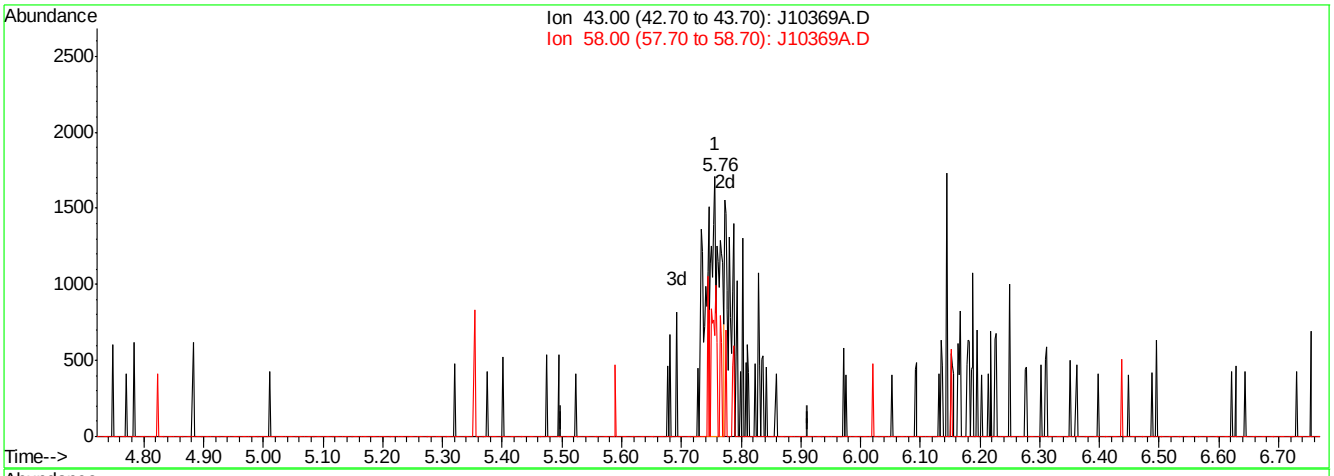
6

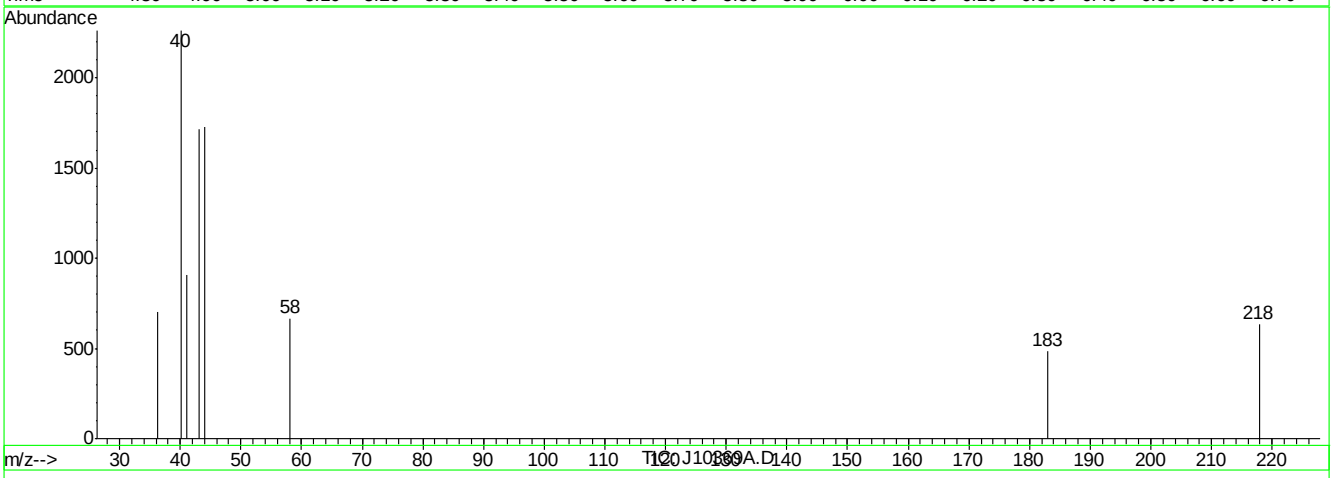
Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10369A.D Vial: 2
Acq On : 15 May 2007 2:08 pm Operator: PhilipB
Sample : M64240-22 (M108) Inst : MSJ
Misc : MS13540, MSJ537,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 15 18:29:28 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

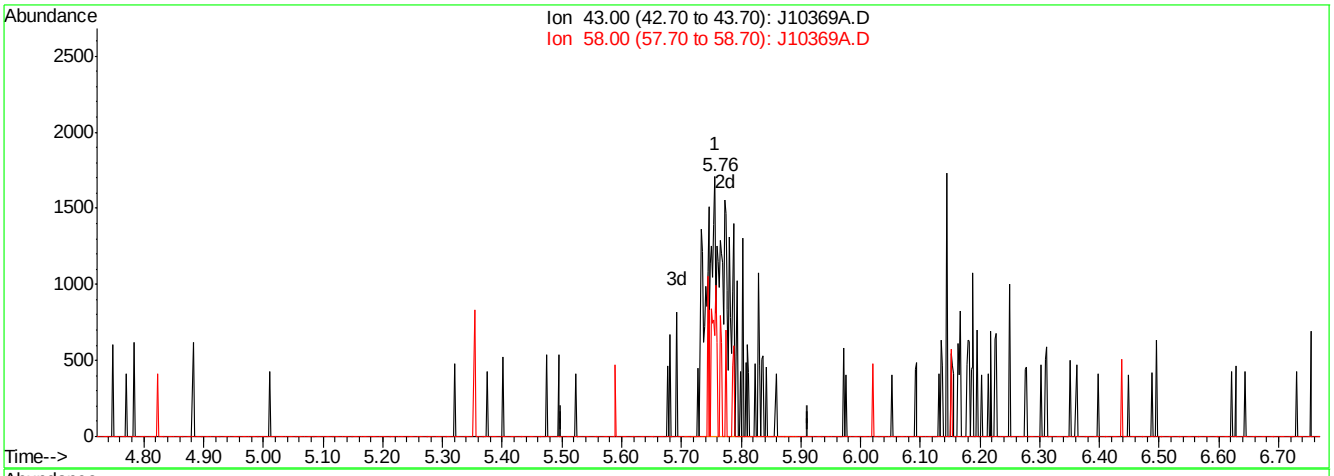
J10369A.D J050907T.M Tue May 15 18:29:37 2007

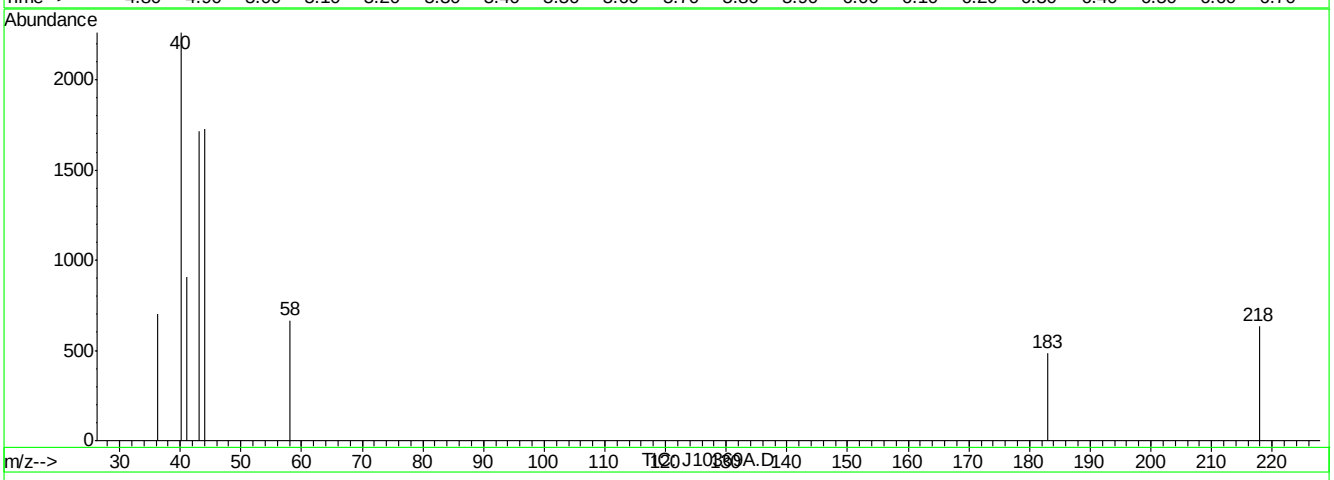
Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10369A.D Vial: 2
Acq On : 15 May 2007 2:08 pm Operator: PhilipB
Sample : M64240-22 (M108) Inst : MSJ
Misc : MS13540, MSJ537,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 15 18:29:28 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

J10369A.D J050907T.M Tue May 15 18:29:41 2007

Manual Integrations
APPROVED
(compounds with "m" flag)
Doug Yargeau
05/16/07 12:37

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10370.D
Acq On : 15 May 2007 2:56 pm
Operator : PhilipB
Sample : M64240-23 (M114)
Misc : MS13540, MSJ537,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 15 18:29:14 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	339751	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.44	114	1477861	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.67	117	1387280	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.29	95	393804	4.84	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 96.80%

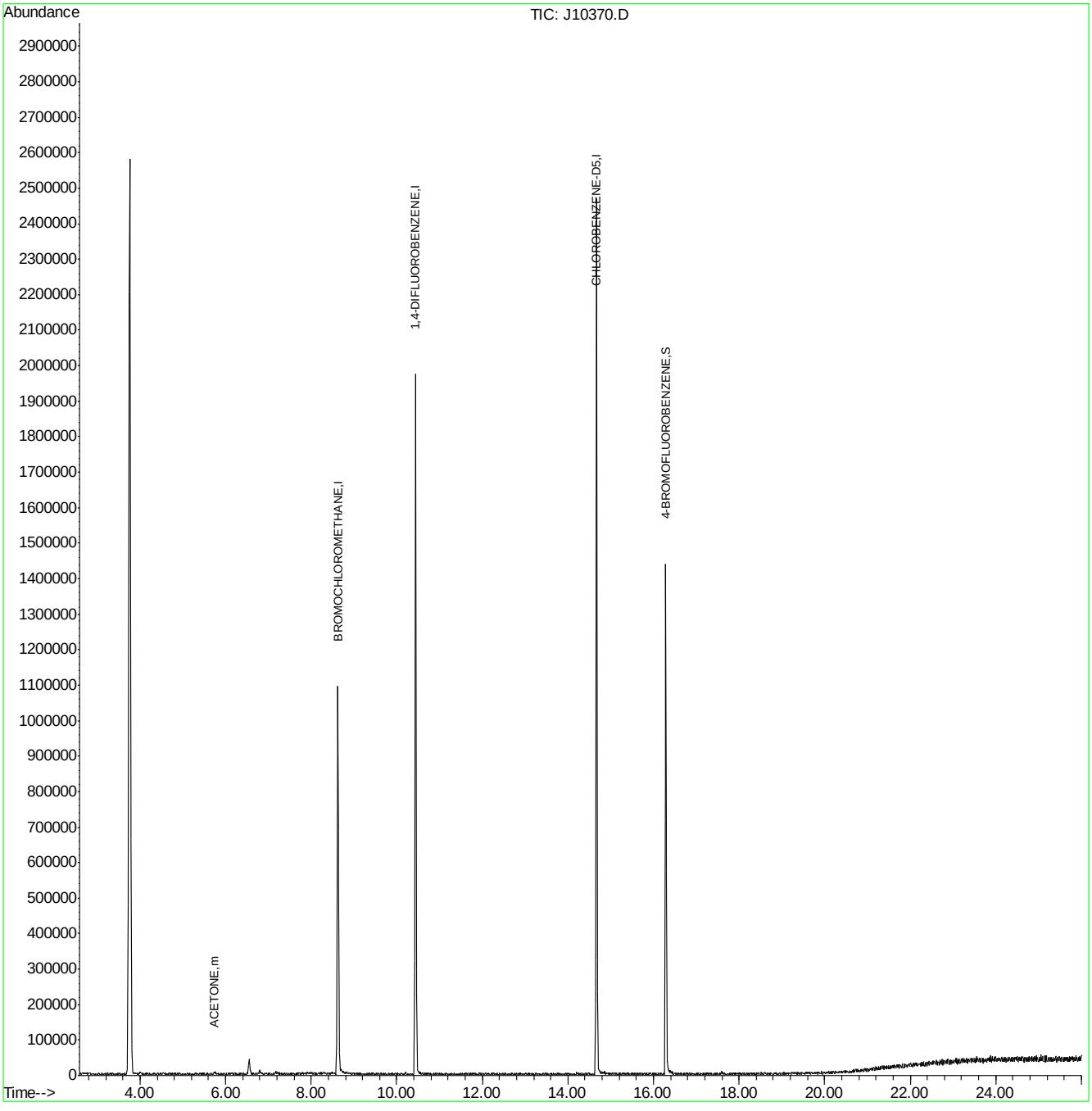
Target Compounds						Qvalue
12) ACETONE	5.73	43	9166m	0.52	PPBV	

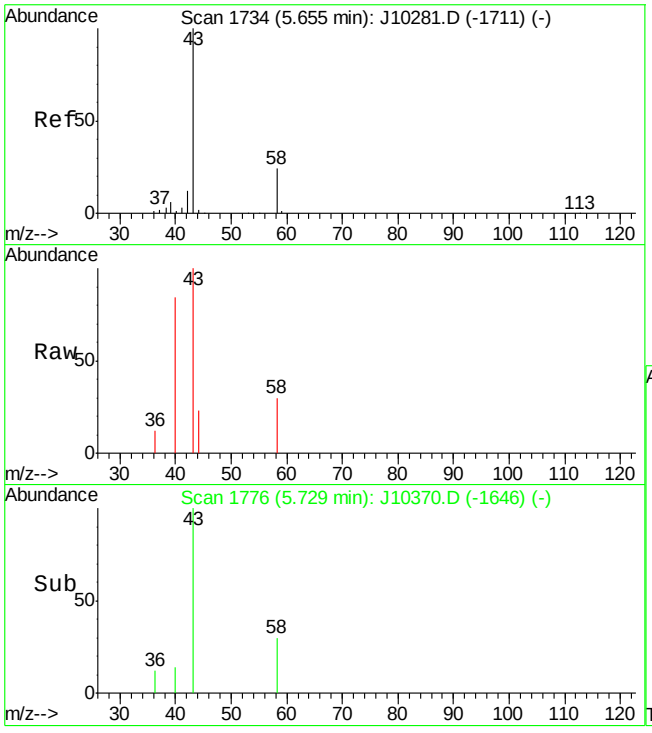
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10370.D
Acq On : 15 May 2007 2:56 pm
Operator : PhilipB
Sample : M64240-23 (M114)
Misc : MS13540, MSJ537,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 15 18:29:14 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

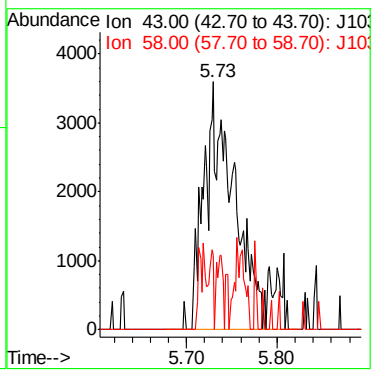




#12
ACETONE
Concen: 0.52 PPBV m
RT: 5.73 min Scan# 1776
Delta R.T. 0.07 min
Lab File: J10370.D
Acq: 15 May 2007 2:56 pm

Tgt Ion: 43 Resp: 9166

Ion	Ratio	Lower	Upper
43	100		
58	5.3	6.8	46.8#

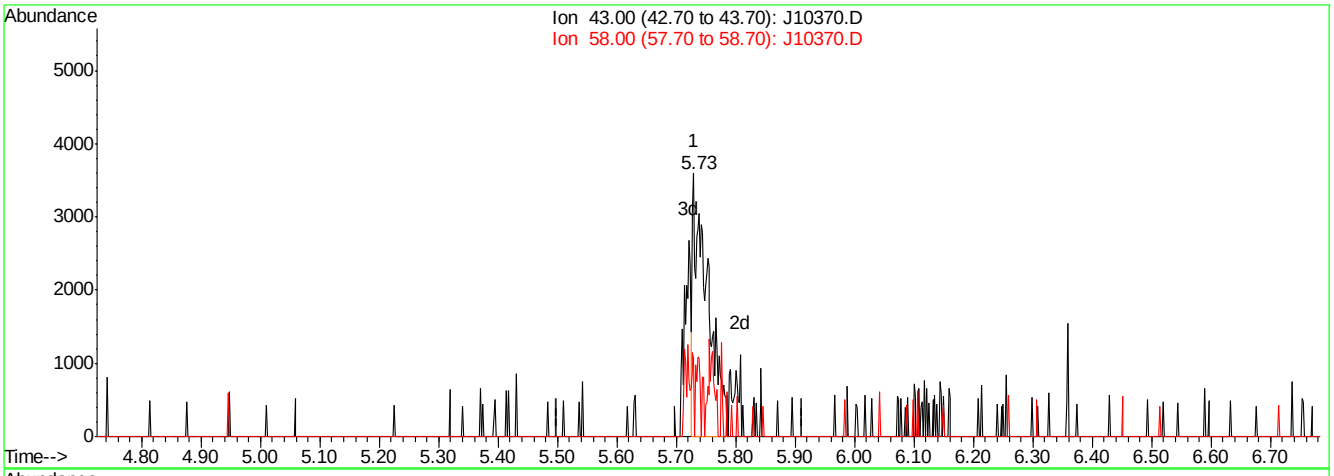


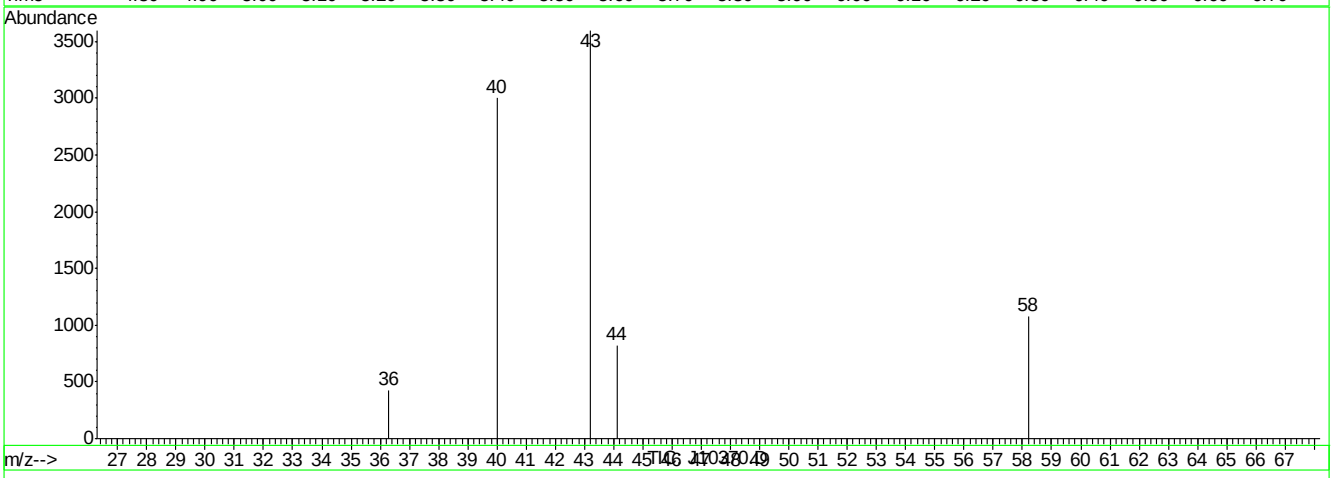
Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10370.D Vial: 3
Acq On : 15 May 2007 2:56 pm Operator: PhilipB
Sample : M64240-23 (M114) Inst : MSJ
Misc : MS13540, MSJ537,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 15 18:28:36 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





(12) ACETONE (m)

5.73min 0.43PPBV

response 6393

Ion	Exp%	Act%
43.00	100	100
58.00	26.80	7.63
0.00	0.00	0.00
0.00	0.00	0.00

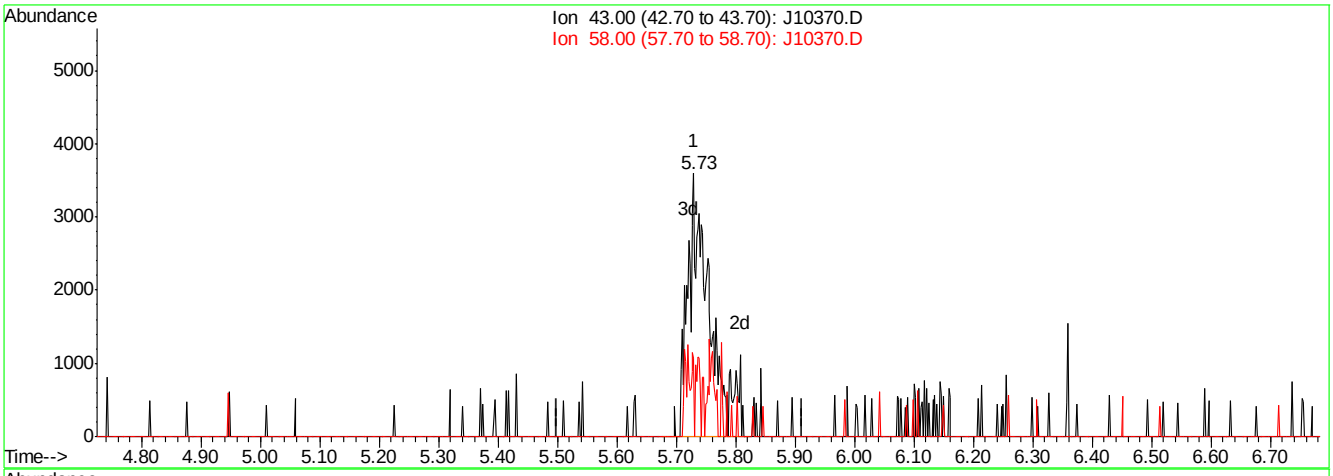
J10370.D J050907T.M Tue May 15 18:28:45 2007

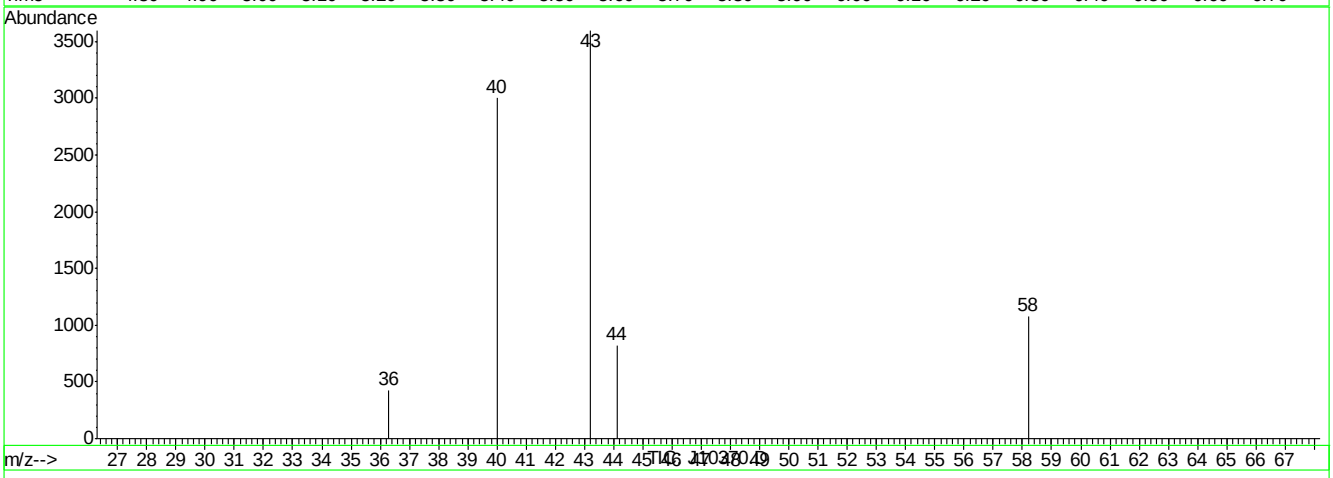
Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10370.D Vial: 3
Acq On : 15 May 2007 2:56 pm Operator: PhilipB
Sample : M64240-23 (M114) Inst : MSJ
Misc : MS13540, MSJ537,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 15 18:28:36 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





(12) ACETONE (m)

5.73min 0.52PPBV m

response 9166

Ion	Exp%	Act%
43.00	100	100
58.00	26.80	5.32#
0.00	0.00	0.00
0.00	0.00	0.00

J10370.D J050907T.M Tue May 15 18:28:49 2007

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
05/16/07 12:37

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10371.D
Acq On : 15 May 2007 3:45 pm
Operator : PhilipB
Sample : M64240-24 (M098)
Misc : MS13540, MSJ537,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 15 18:30:57 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	320087	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.44	114	1324759	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.67	117	1176059	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.28	95	314362	4.56	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 91.20%

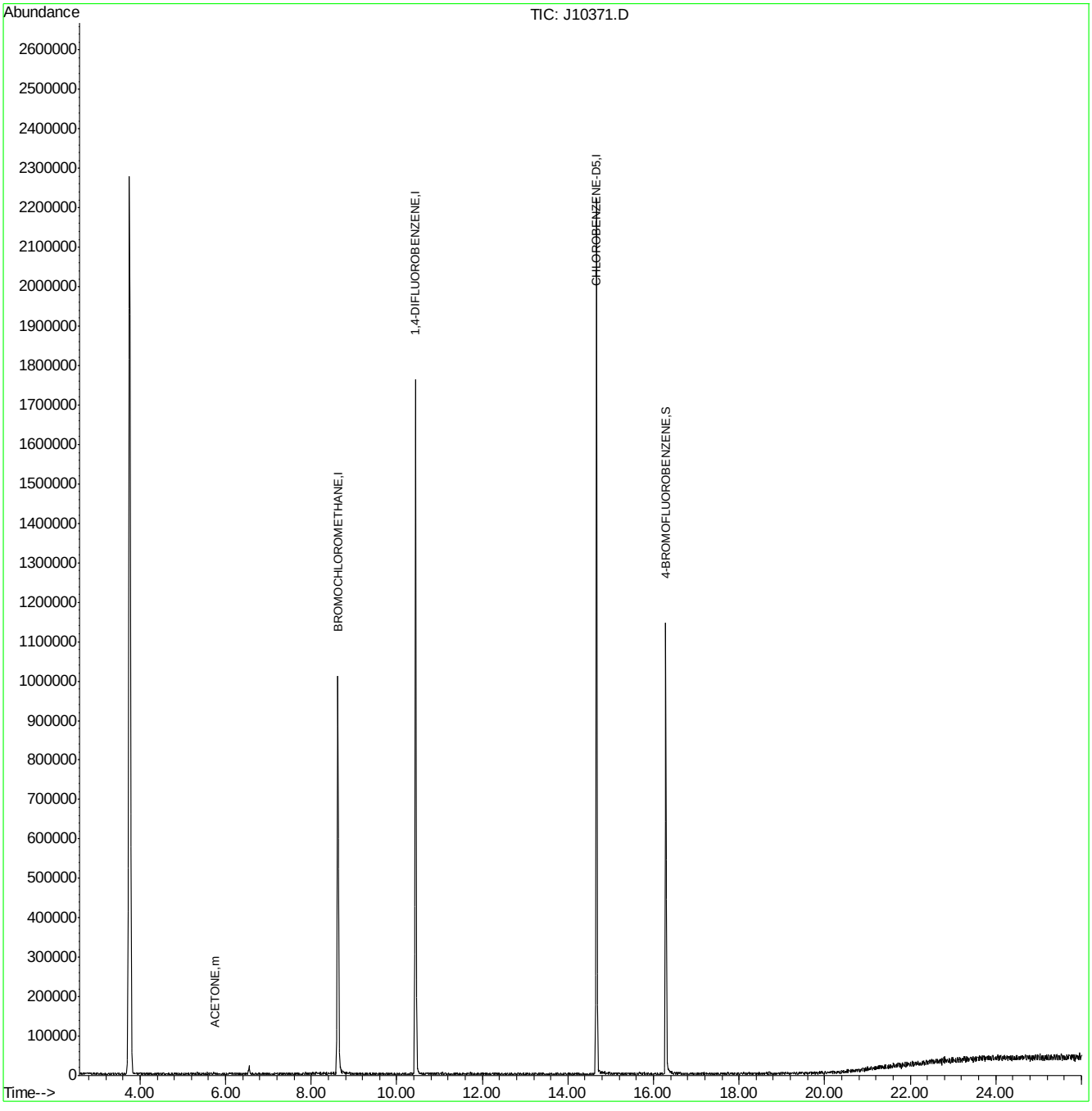
Target Compounds						Qvalue
12) ACETONE	5.75	43	5365m	0.41	PPBV	

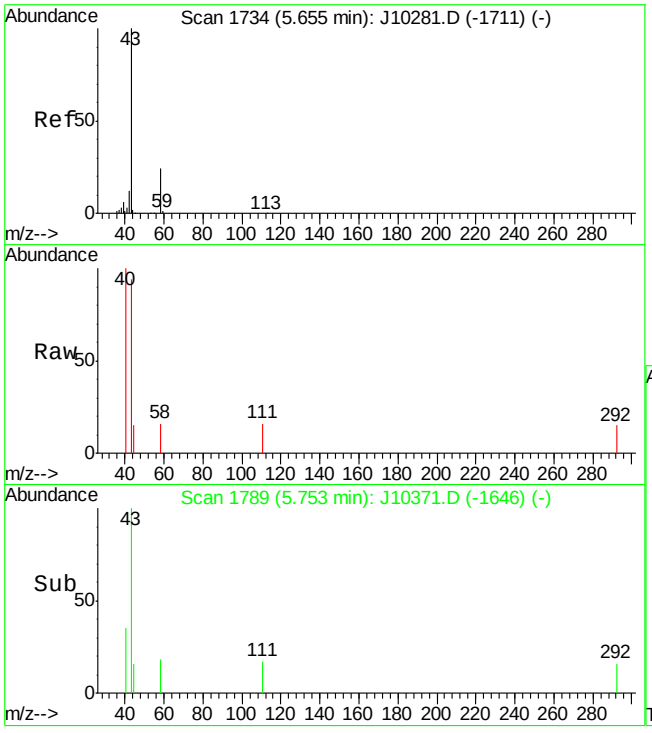
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10371.D
Acq On : 15 May 2007 3:45 pm
Operator : PhilipB
Sample : M64240-24 (M098)
Misc : MS13540, MSJ537,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 15 18:30:57 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

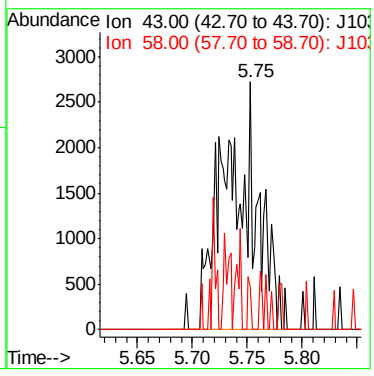




#12
ACETONE
Concen: 0.41 PPBV m
RT: 5.75 min Scan# 1789
Delta R.T. 0.10 min
Lab File: J10371.D
Acq: 15 May 2007 3:45 pm

Tgt Ion: 43 Resp: 5365

Ion	Ratio	Lower	Upper
43	100		
58	7.6	6.8	46.8



6.5.3

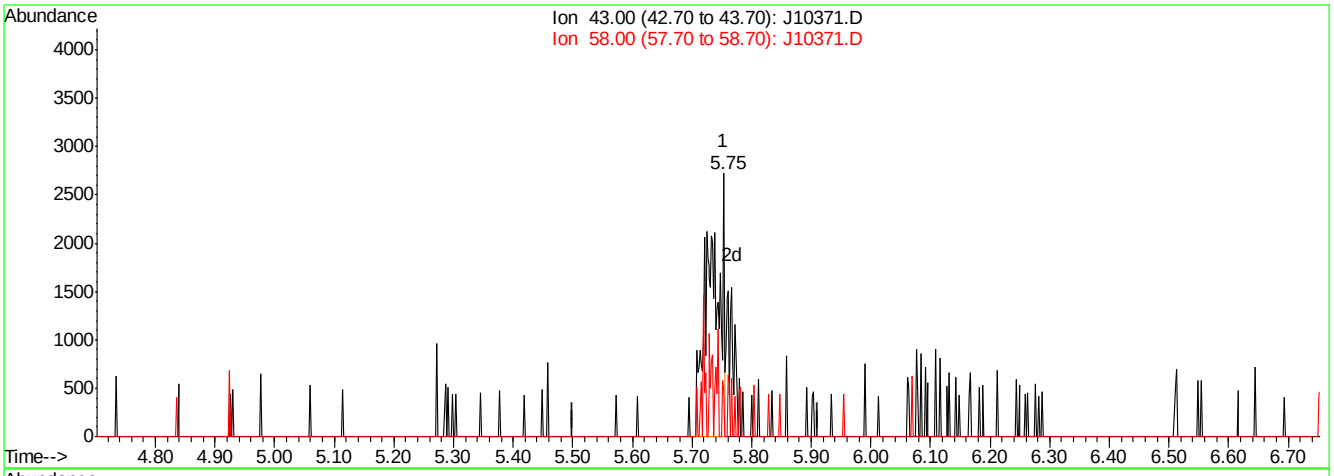
6

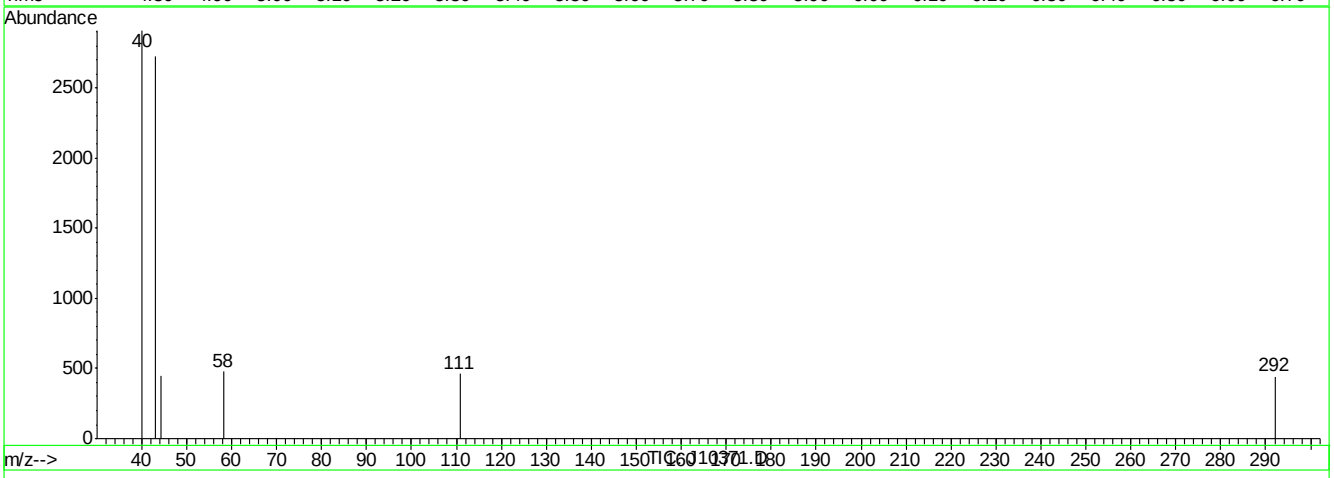
Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10371.D Vial: 4
Acq On : 15 May 2007 3:45 pm Operator: PhilipB
Sample : M64240-24 (M098) Inst : MSJ
Misc : MS13540, MSJ537,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 15 18:30:21 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





(12) ACETONE (m)

5.75min 0.36PPBV

response 3933

Ion	Exp%	Act%
43.00	100	100
58.00	26.80	10.35
0.00	0.00	0.00
0.00	0.00	0.00

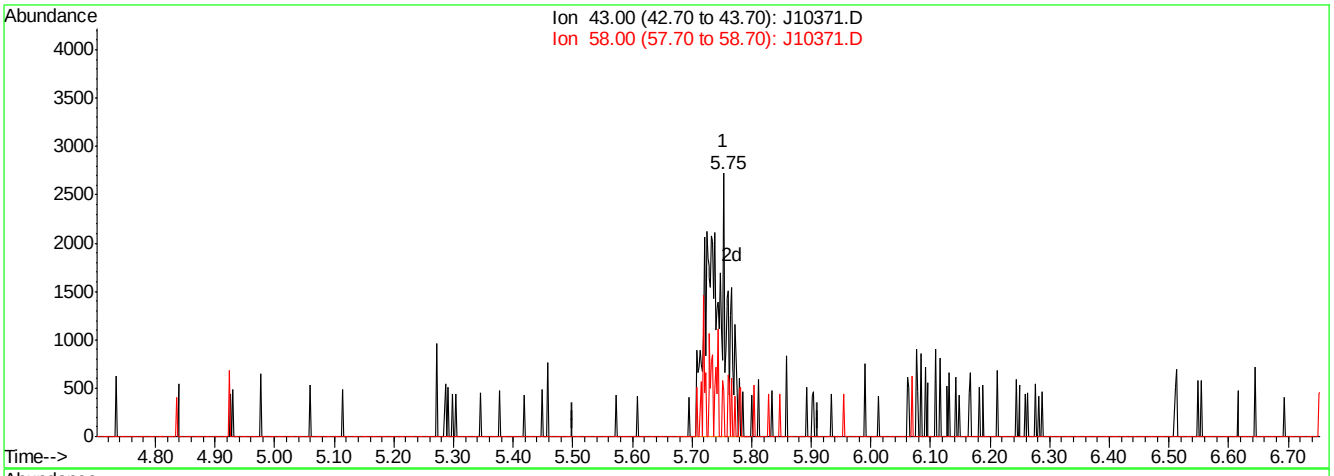
J10371.D J050907T.M Tue May 15 18:30:30 2007

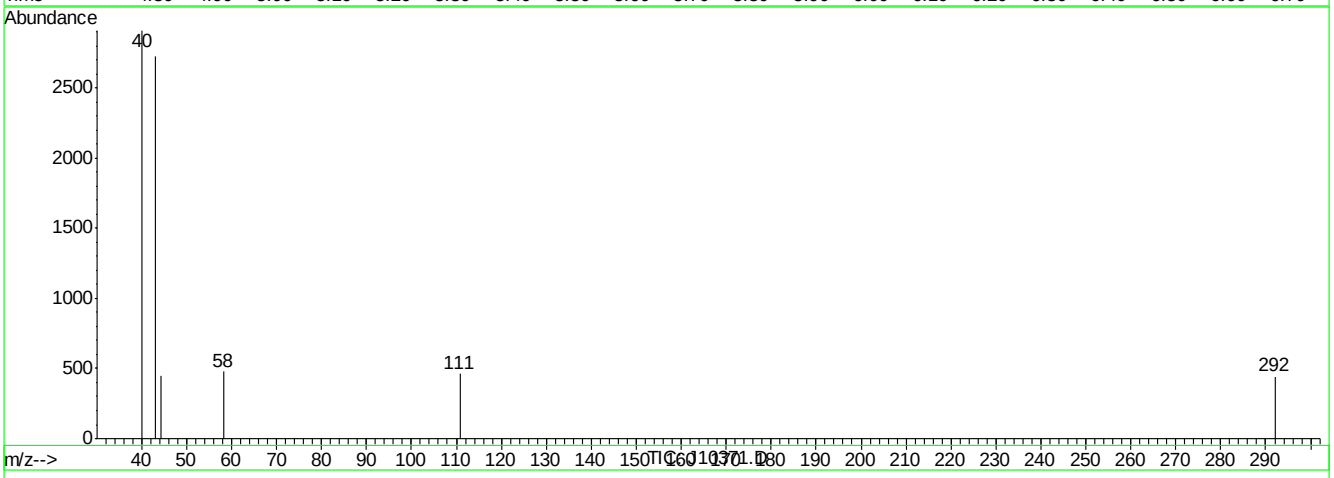
Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10371.D Vial: 4
Acq On : 15 May 2007 3:45 pm Operator: PhilipB
Sample : M64240-24 (M098) Inst : MSJ
Misc : MS13540, MSJ537,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 15 18:30:21 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





(12) ACETONE (m)

5.75min 0.41PPBV m

response 5365

Ion	Exp%	Act%
43.00	100	100
58.00	26.80	7.59
0.00	0.00	0.00
0.00	0.00	0.00

J10371.D J050907T.M Tue May 15 18:30:34 2007

Manual Integrations
APPROVED
(compounds with "m" flag)
Doug Yargeau
05/16/07 12:37

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10372.D
Acq On : 15 May 2007 4:33 pm
Operator : PhilipB
Sample : M64240-25 (M170)
Misc : MS13540, MSJ537,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 15 18:31:56 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	311182	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.44	114	1262850	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.67	117	1130142	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.29	95	308731	4.66	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 93.20%

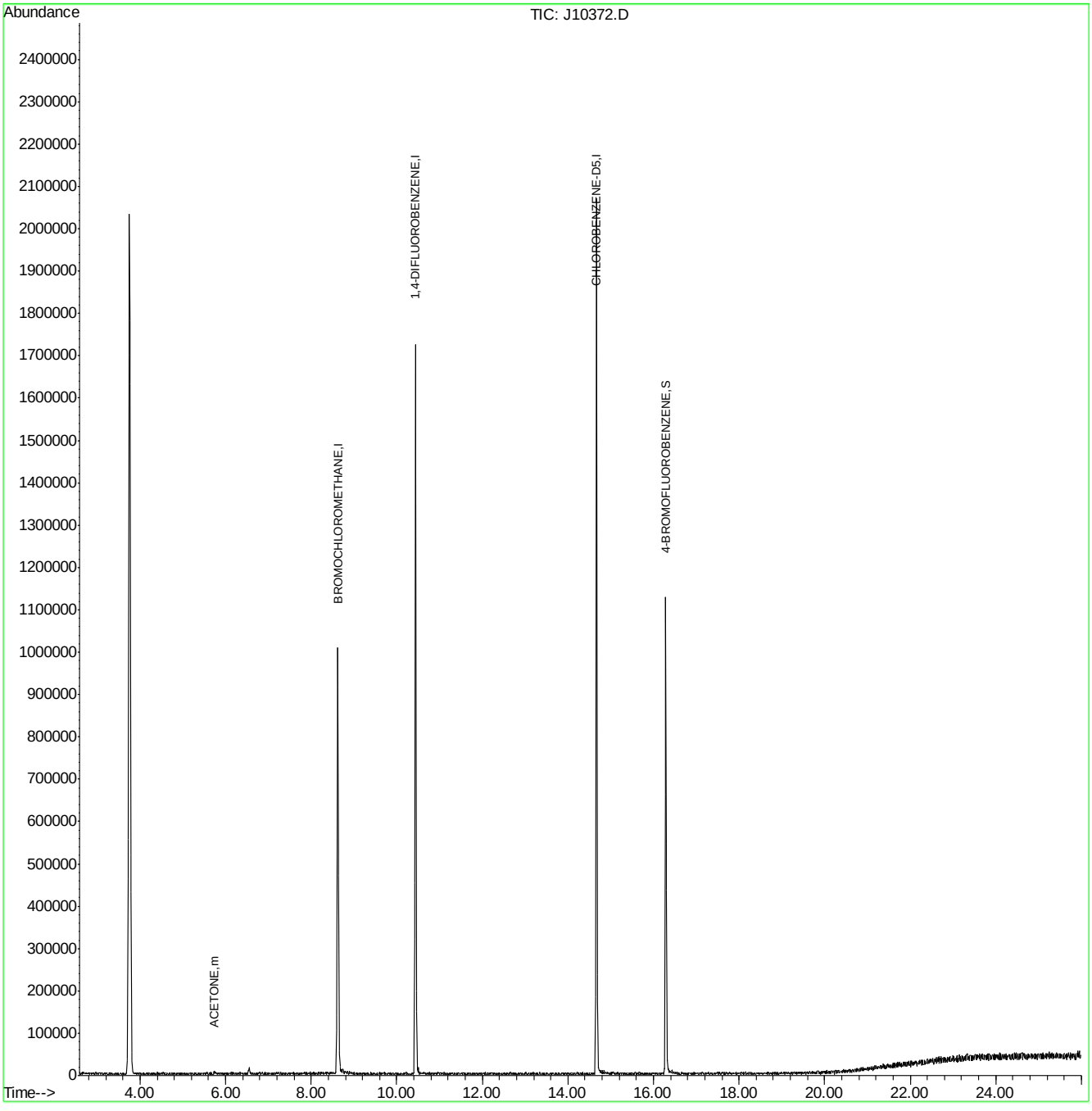
Target Compounds						Qvalue
12) ACETONE	5.72	43	5492m	0.42	PPBV	

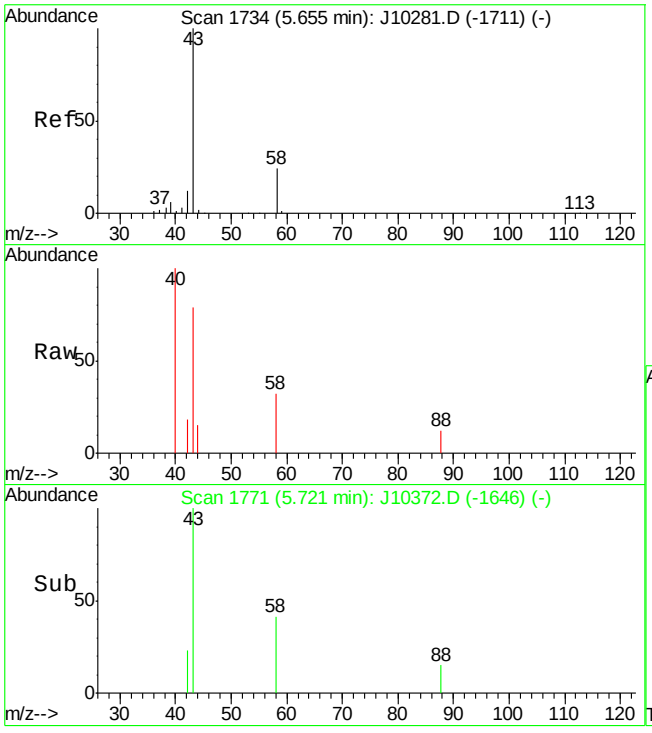
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10372.D
Acq On : 15 May 2007 4:33 pm
Operator : PhilipB
Sample : M64240-25 (M170)
Misc : MS13540, MSJ537,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 15 18:31:56 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

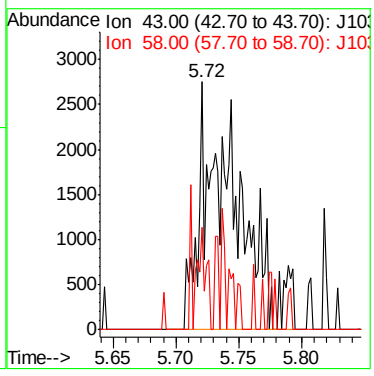




#12
ACETONE
Concen: 0.42 PPBV m
RT: 5.72 min Scan# 1771
Delta R.T. 0.07 min
Lab File: J10372.D
Acq: 15 May 2007 4:33 pm

Tgt Ion: 43 Resp: 5492

Ion	Ratio	Lower	Upper
43	100		
58	13.0	6.8	46.8



6.5.4

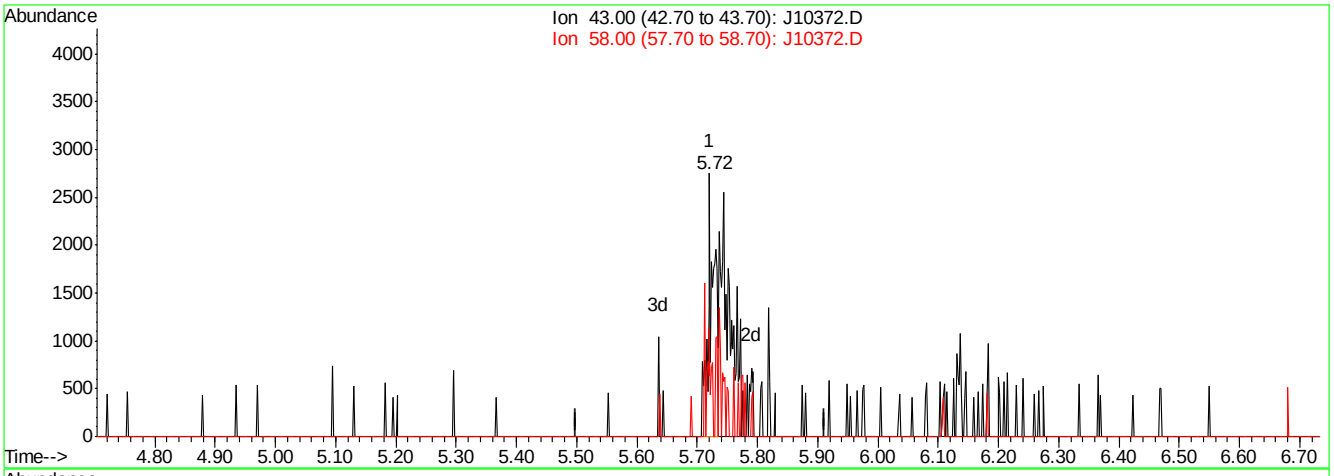
6

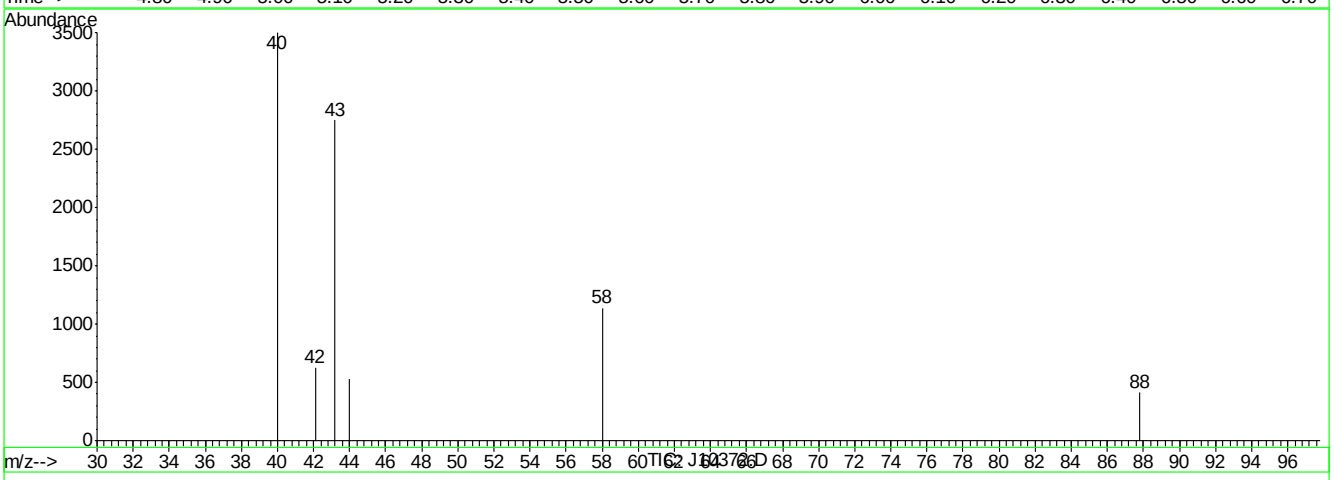
Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10372.D Vial: 5
Acq On : 15 May 2007 4:33 pm Operator: PhilipB
Sample : M64240-25 (M170) Inst : MSJ
Misc : MS13540, MSJ537,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 15 18:31:20 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





(12) ACETONE (m)

5.72min 0.30PPBV

response 2195

Ion	Exp%	Act%
43.00	100	100
58.00	26.80	32.57
0.00	0.00	0.00
0.00	0.00	0.00

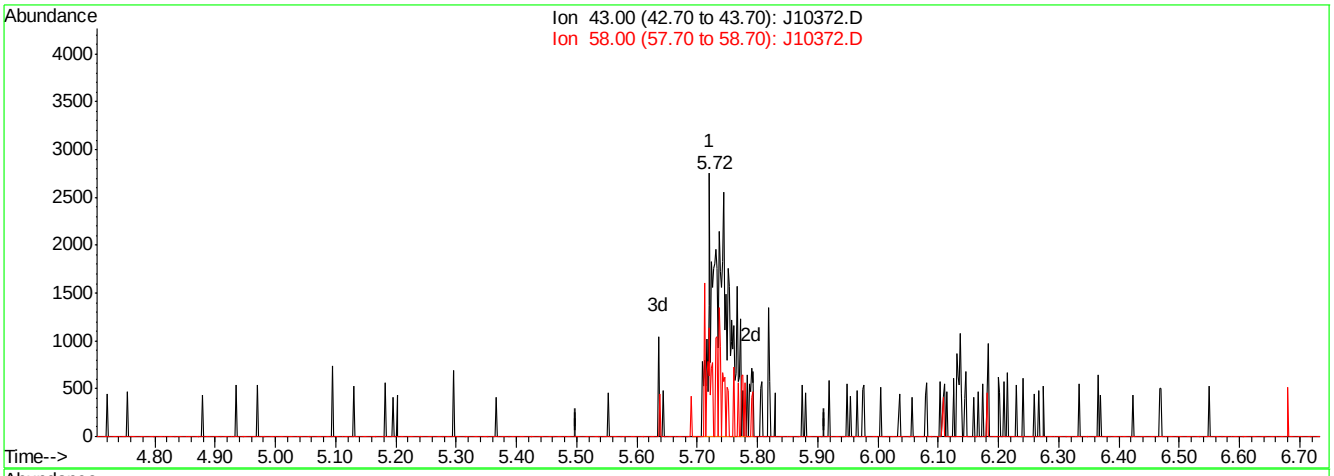
J10372.D J050907T.M Tue May 15 18:31:28 2007

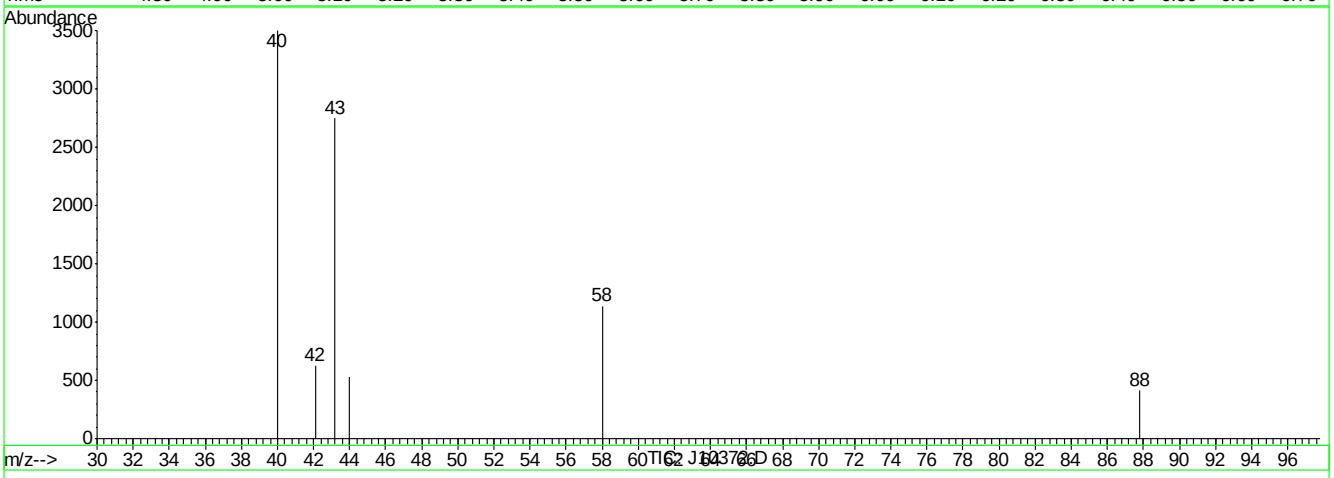
Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10372.D Vial: 5
Acq On : 15 May 2007 4:33 pm Operator: PhilipB
Sample : M64240-25 (M170) Inst : MSJ
Misc : MS13540, MSJ537,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 15 18:31:20 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





(12) ACETONE (m)

5.72min 0.42PPBV m

response 5492

Ion	Exp%	Act%
43.00	100	100
58.00	26.80	13.02
0.00	0.00	0.00
0.00	0.00	0.00

J10372.D J050907T.M Tue May 15 18:31:33 2007

Manual Integrations
APPROVED
(compounds with "m" flag)
Doug Yargeau
05/16/07 12:37

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10373.D
Acq On : 15 May 2007 5:22 pm
Operator : PhilipB
Sample : M64240-21 (M026)
Misc : MS13540, MSJ537,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 15 18:33:03 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 11:09:51 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	301182	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.44	114	1151181	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.67	117	1022324	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.29	95	266490	4.44	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 88.80%

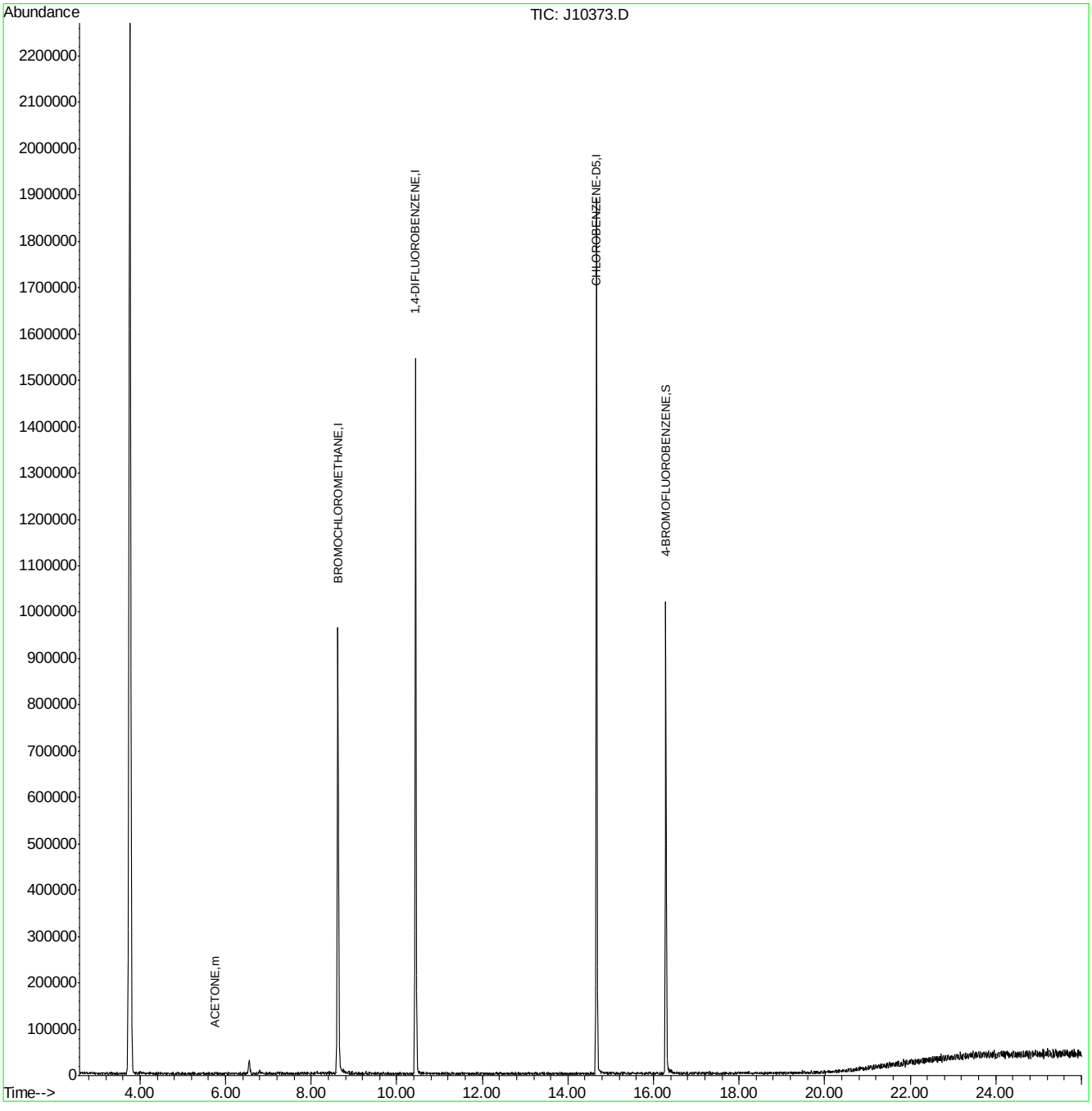
Target Compounds						Qvalue
12) ACETONE	5.75	43	3805m	0.36	PPBV	

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

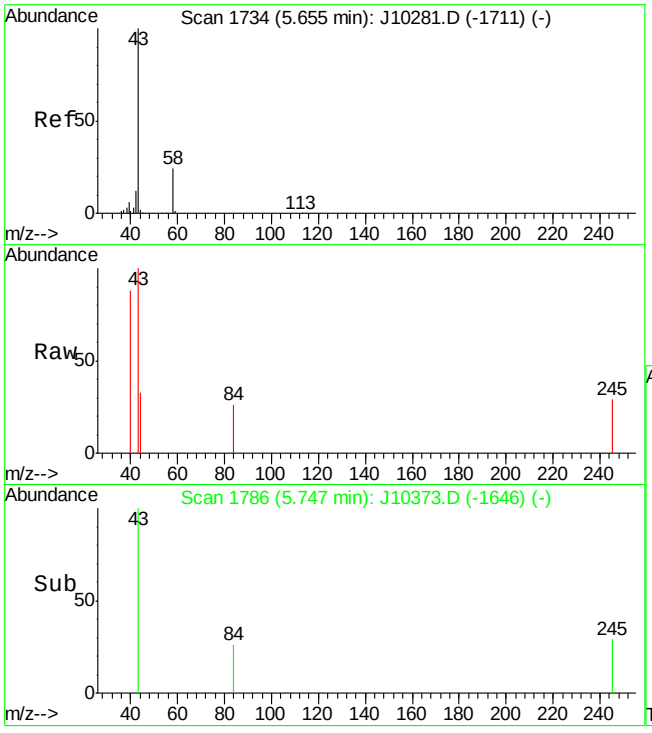
Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10373.D
Acq On : 15 May 2007 5:22 pm
Operator : PhilipB
Sample : M64240-21 (M026)
Misc : MS13540, MSJ537,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 15 18:33:03 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 11:09:51 2007
Response via : Initial Calibration



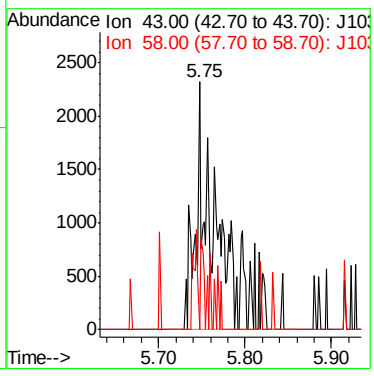
J050907T.M Tue May 15 18:33:12 2007 Page: 2



#12
ACETONE
Concen: 0.36 PPBV m
RT: 5.75 min Scan# 1786
Delta R.T. 0.09 min
Lab File: J10373.D
Acq: 15 May 2007 5:22 pm

Tgt Ion: 43 Resp: 3805

Ion	Ratio	Lower	Upper
43	100		
58	1.8	6.8	46.8#



6.5.5

6

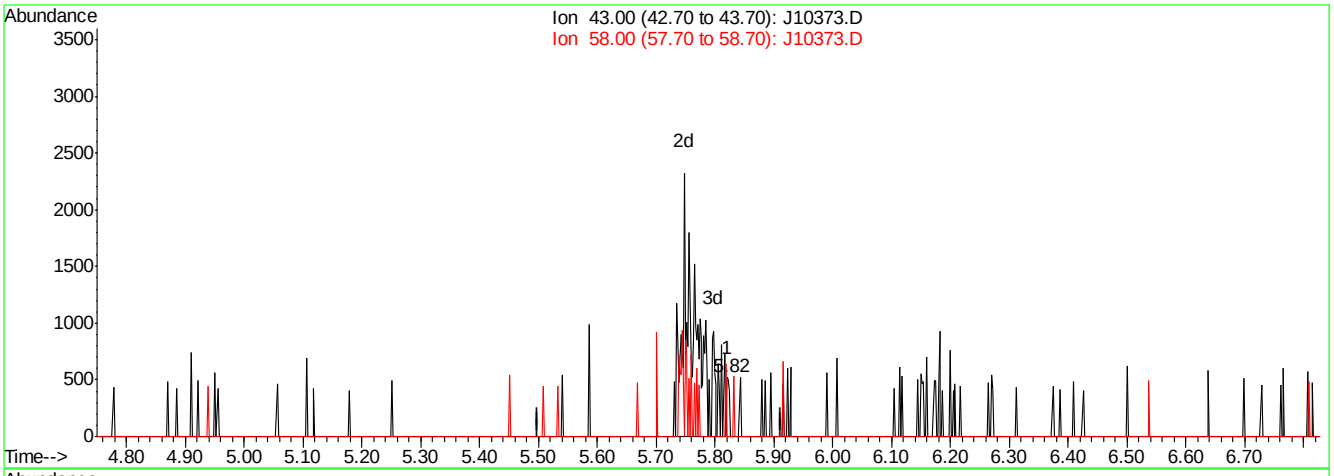
ACCUTEST Laboratories M64940

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10373.D Vial: 6
Acq On : 15 May 2007 5:22 pm Operator: PhilipB
Sample : M64240-21 (M026) Inst : MSJ
Misc : MS13540, MSJ537,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 15 18:32:10 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)

5.82min 0.23PPBV

response 152

Ion	Exp%	Act%
43.00	100	100
58.00	26.80	44.74
0.00	0.00	0.00
0.00	0.00	0.00

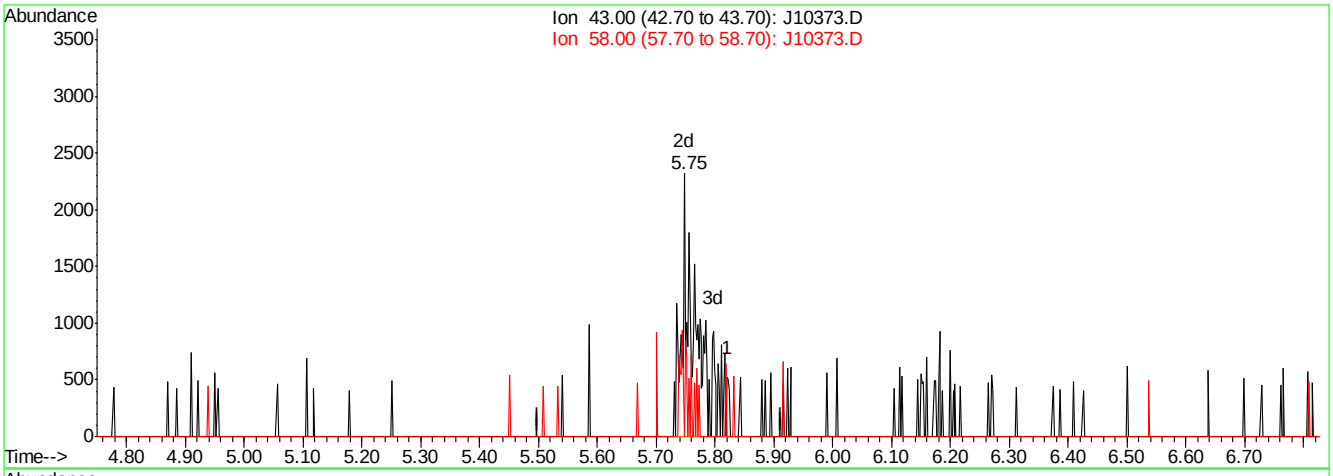
J10373.D J050907T.M Tue May 15 18:32:36 2007

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10373.D Vial: 6
Acq On : 15 May 2007 5:22 pm Operator: PhilipB
Sample : M64240-21 (M026) Inst : MSJ
Misc : MS13540, MSJ537,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: May 15 18:32:10 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)

5.75min 0.36PPBV m

response 3805

Ion	Exp%	Act%
43.00	100	100
58.00	26.80	1.79#
0.00	0.00	0.00
0.00	0.00	0.00

J10373.D J050907T.M Tue May 15 18:32:40 2007

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3398A.D
Acq On : 16 May 2007 2:30 pm
Operator : PhilipB
Sample : M64897-1 (M142)
Misc : MS13579,MSQ186,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 16 14:59:37 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 11:12:42 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.422	128	101065	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.346	114	477882	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.696	117	421159	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.334	95	156471	4.32	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 86.40%

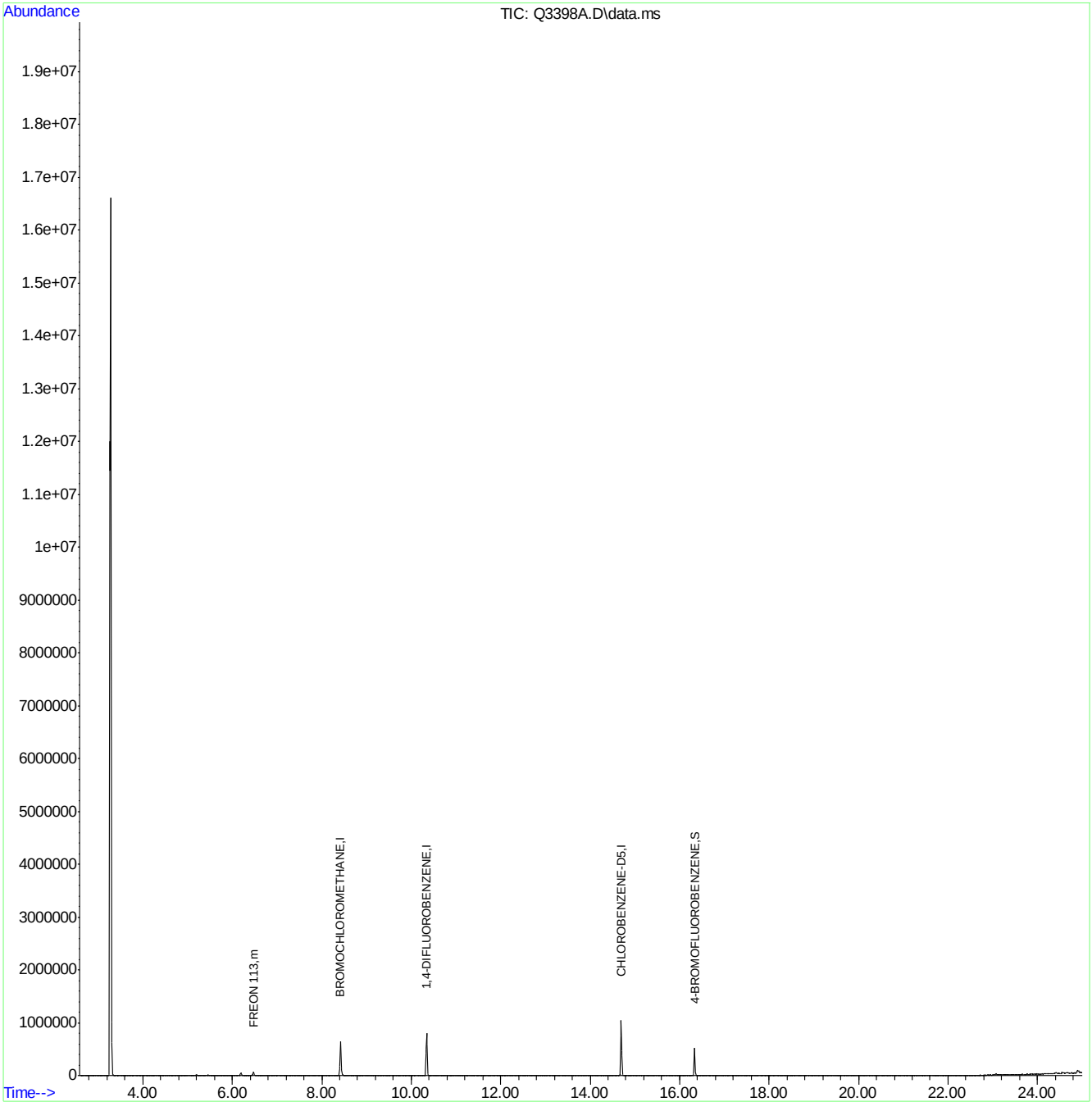
Target Compounds						Qvalue
20) FREON 113	6.472	151	19648	0.45	PPBV #	100

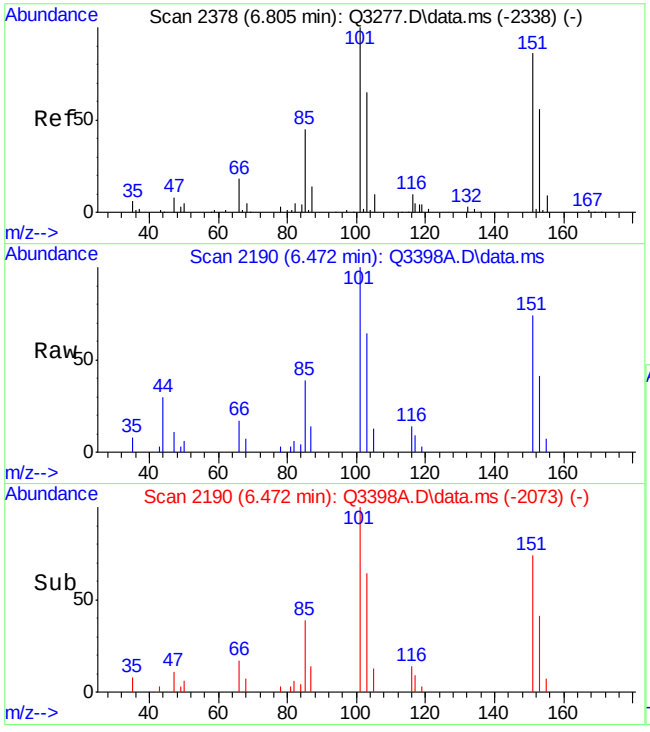
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3398A.D
Acq On : 16 May 2007 2:30 pm
Operator : PhilipB
Sample : M64897-1 (M142)
Misc : MS13579,MSQ186,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 16 14:59:37 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 11:12:42 2007
Response via : Initial Calibration

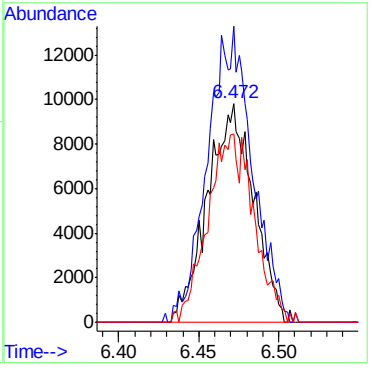




#20
FREON 113
Concen: 0.45 PPBV
RT: 6.472 min Scan# 2190
Delta R.T. 0.002 min
Lab File: Q3398A.D
Acq: 16 May 2007 2:30 pm

Tgt Ion:151 Resp: 19648

Ion	Ratio	Lower	Upper
151	100		
101	131.9	0.0	20.0#
103	86.2	0.0	20.0#



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3400.D
Acq On : 16 May 2007 4:34 pm
Operator : PhilipB
Sample : M64897-2 (M125)
Misc : MS13579,MSQ186,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 17 11:14:10 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 11:12:42 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.420	128	99953	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.343	114	478339	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.694	117	421080	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.332	95	151885	4.20	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 84.00%

Target Compounds	Qvalue

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

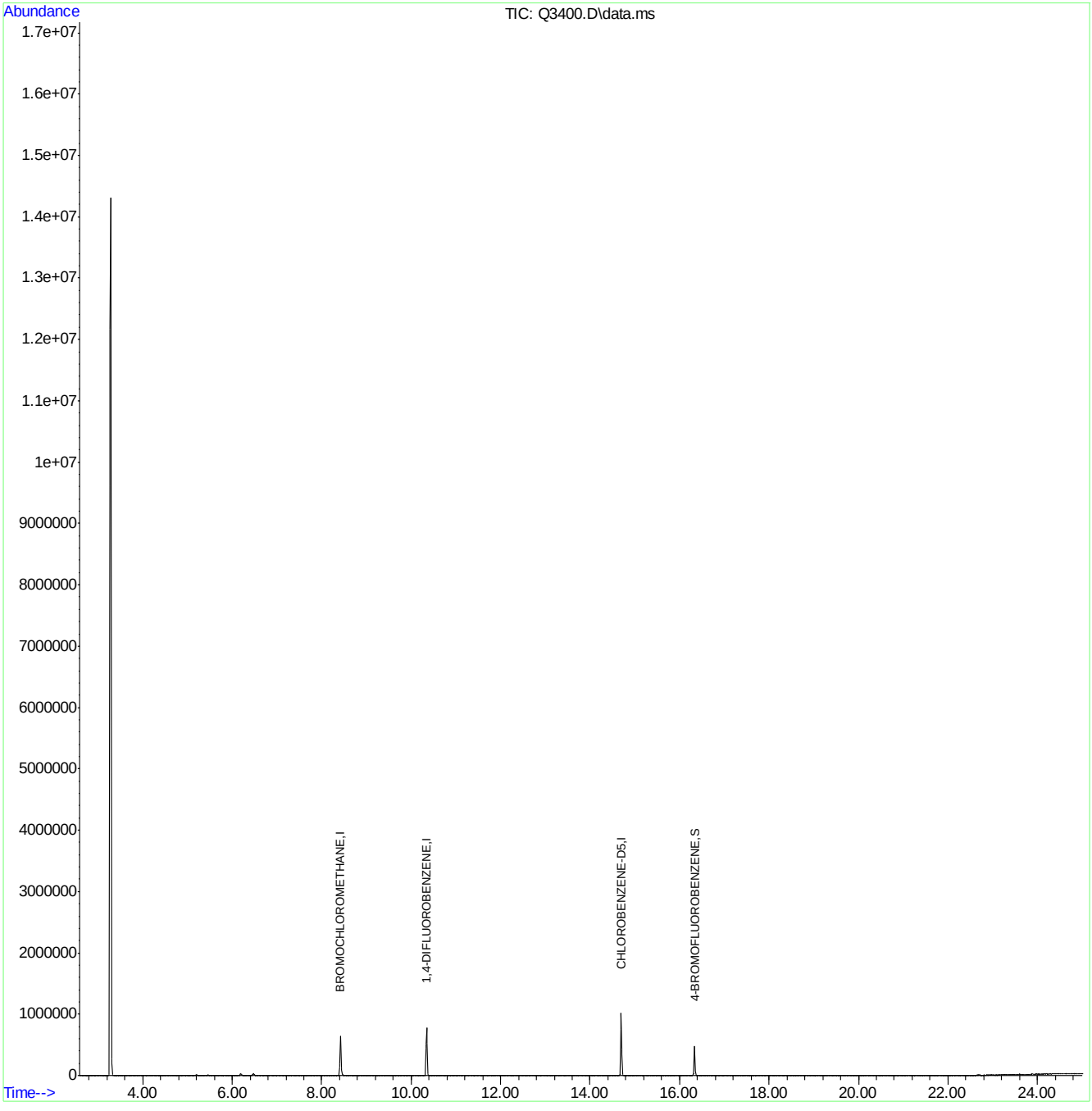
6.5.7

6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3400.D
Acq On : 16 May 2007 4:34 pm
Operator : PhilipB
Sample : M64897-2 (M125)
Misc : MS13579,MSQ186,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 17 11:14:10 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 11:12:42 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3401.D
Acq On : 16 May 2007 5:27 pm
Operator : PhilipB
Sample : M64897-3 (M149)
Misc : MS13579,MSQ186,,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 17 11:15:06 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 11:12:42 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.417	128	92273	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.339	114	434610	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.692	117	386373	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.332	95	135685	4.09	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 81.80%

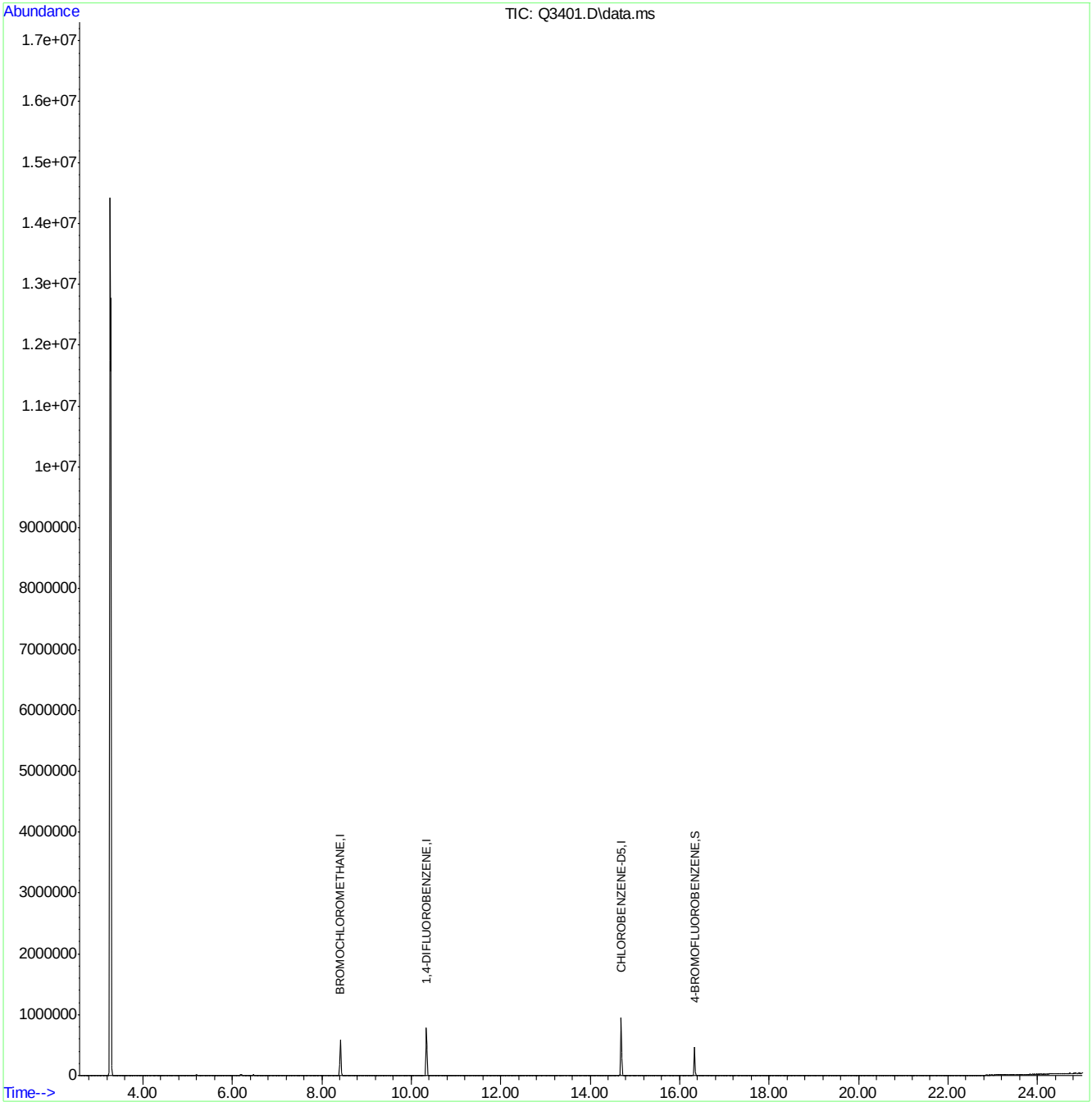
Target Compounds	Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3401.D
Acq On : 16 May 2007 5:27 pm
Operator : PhilipB
Sample : M64897-3 (M149)
Misc : MS13579,MSQ186,,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 17 11:15:06 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 11:12:42 2007
Response via : Initial Calibration



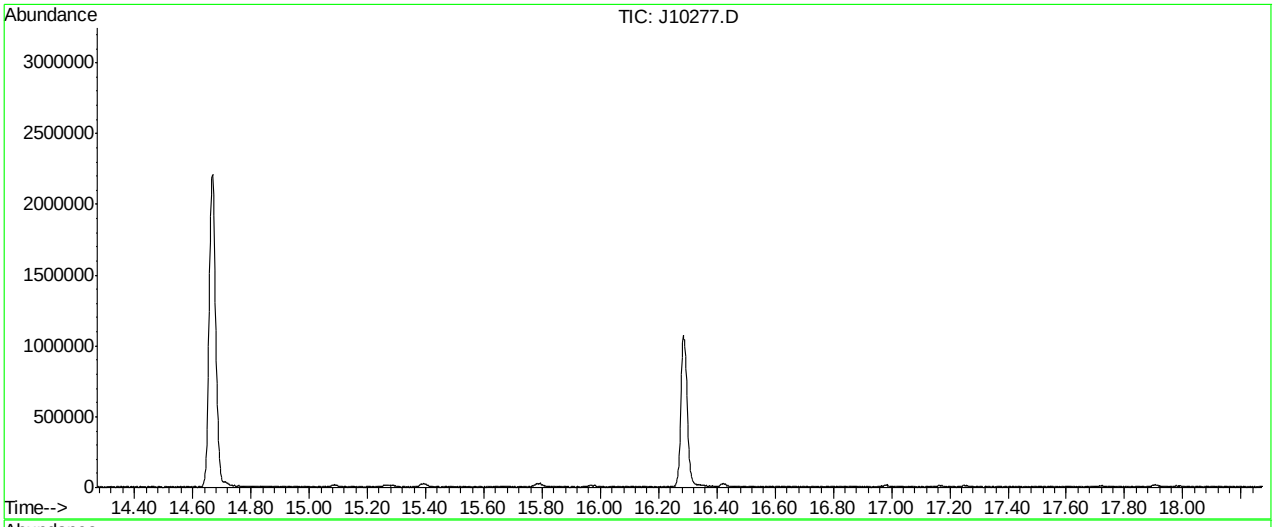
Q051507T.m Thu May 17 11:15:17 2007 RPT1 Page: 2

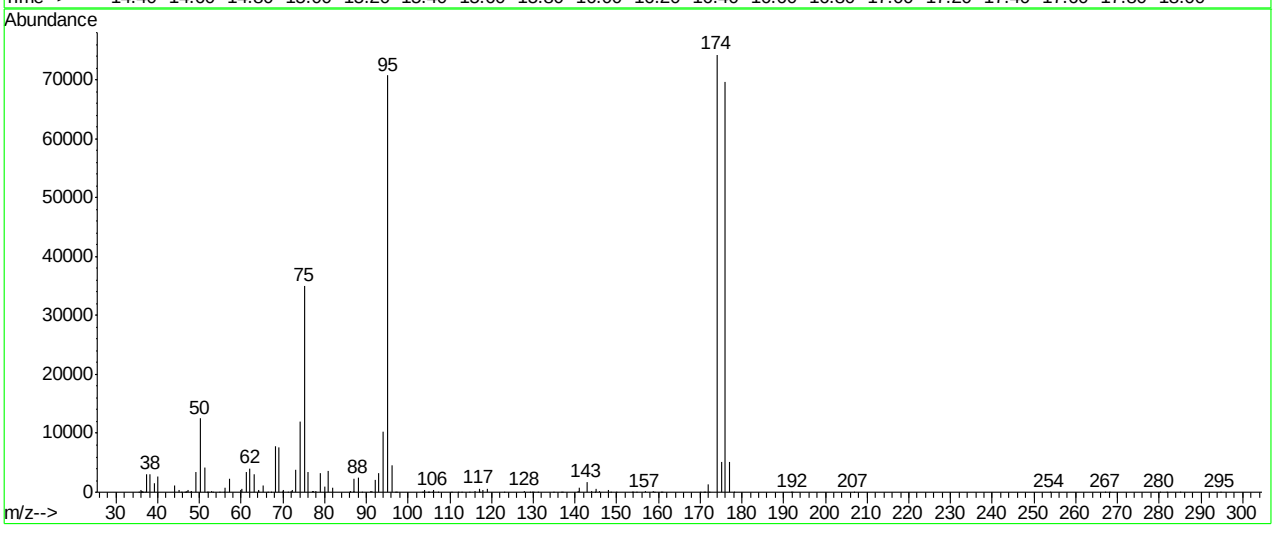
BFB

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)

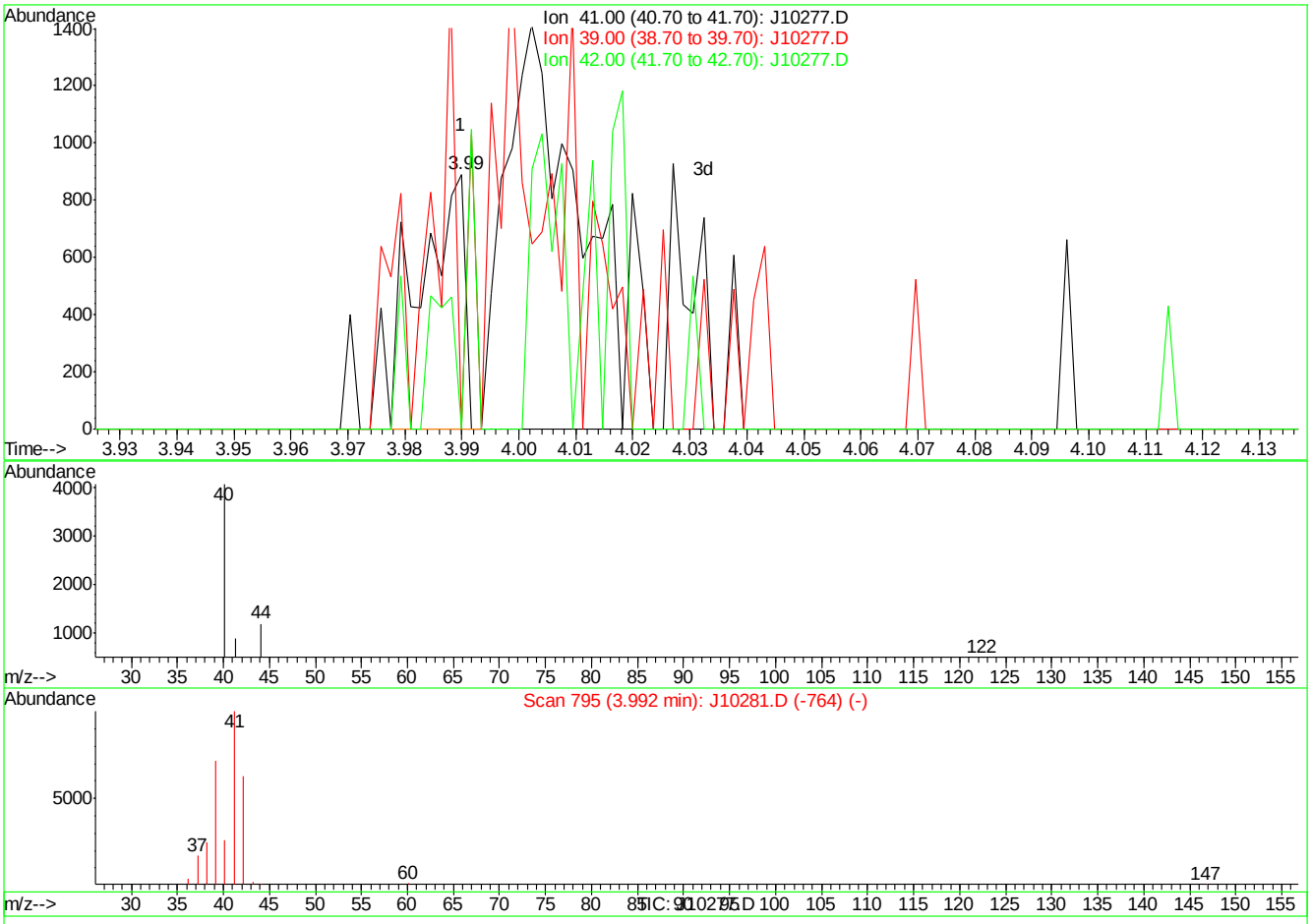
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
206.85	95						
253.80	41						
267.05	91						
268.10	52						
280.20	38						
281.80	38						
284.90	37						
294.70	36						

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

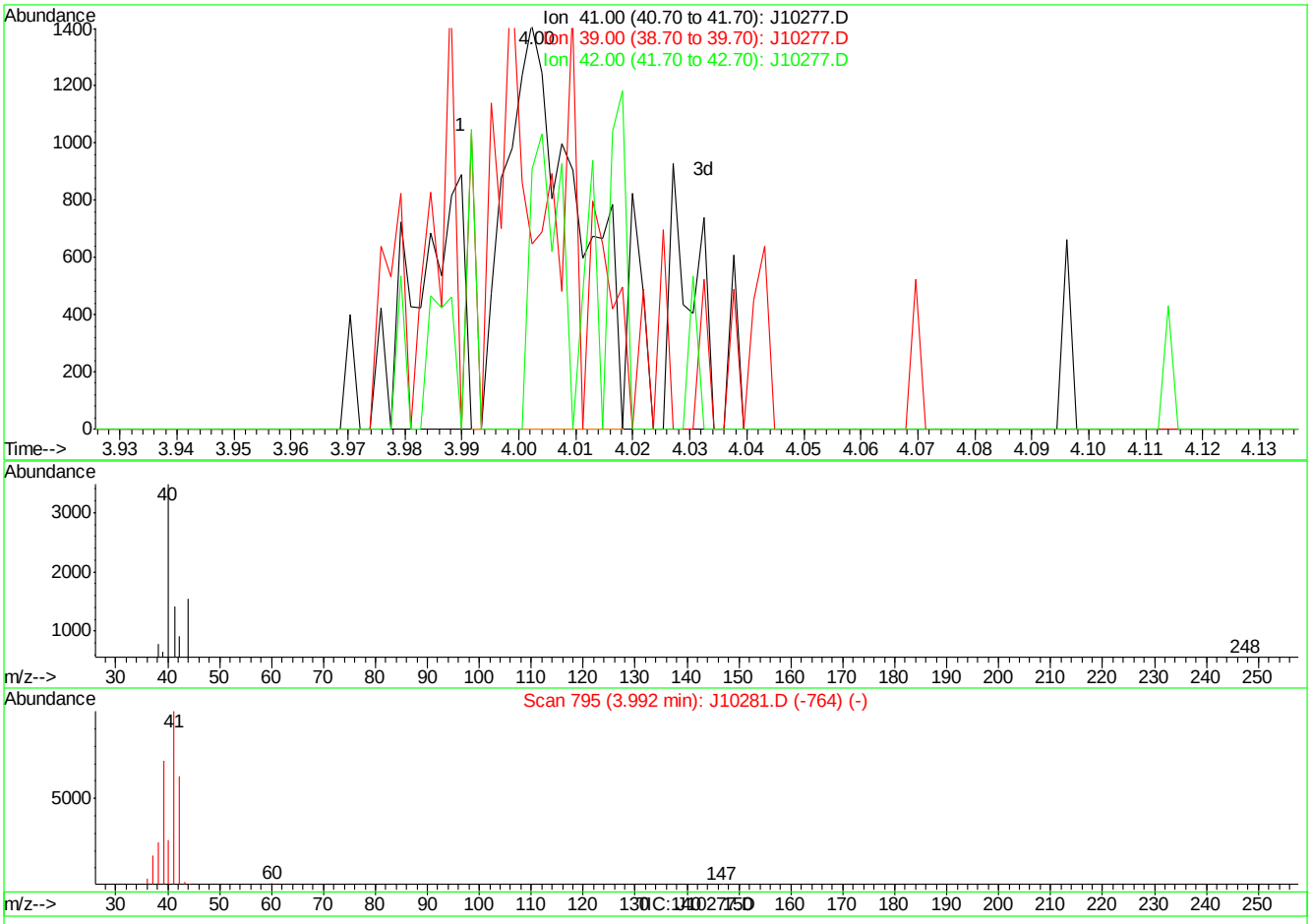
J10277.D J050907T.M Thu May 10 08:35:35 2007

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

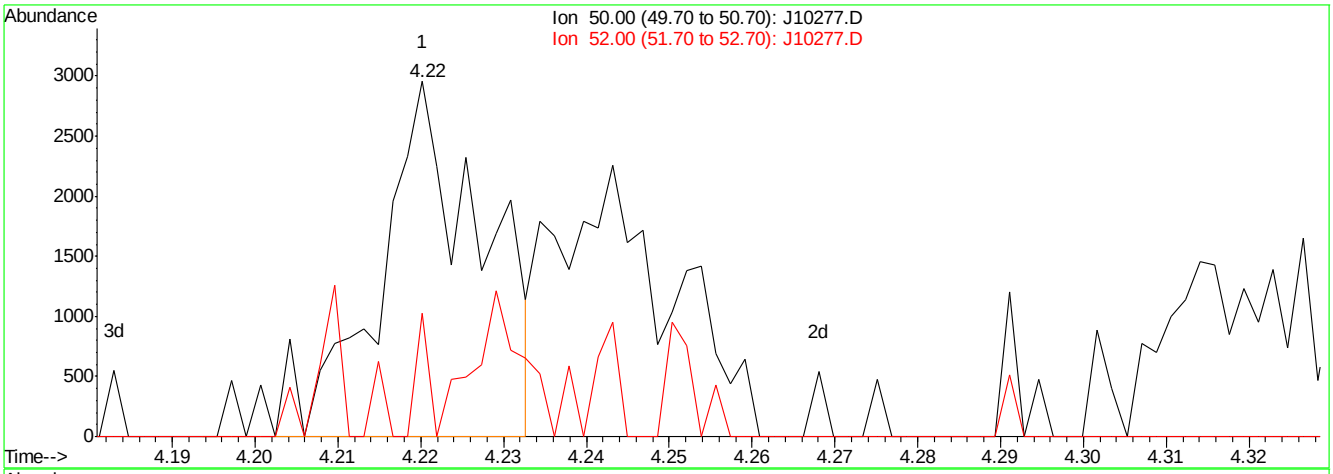
J10277.D J050907T.M Thu May 10 08:35:44 2007

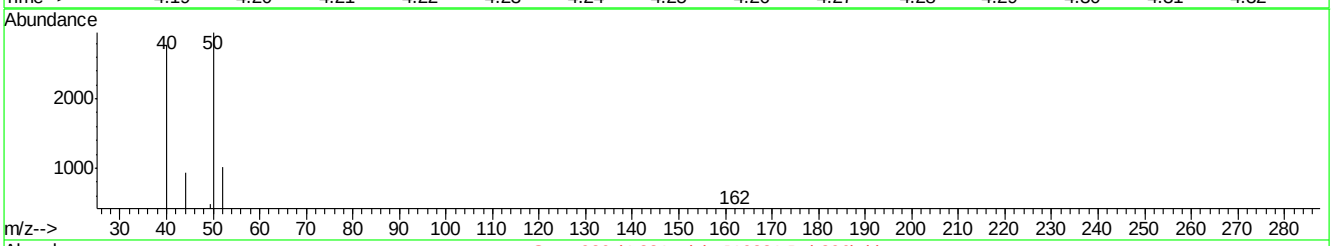
Quantitation Report (Qedit)

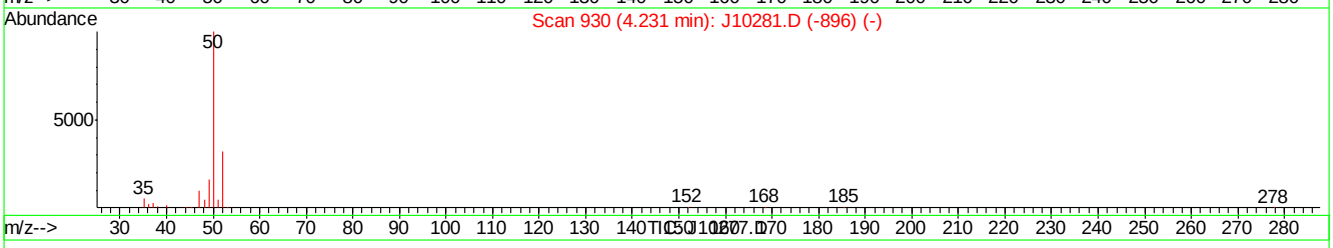
Data File : C:\MSDChem\1\data\J10277.D Vial: 2
Acq On : 9 May 2007 6:39 pm Operator: danat
Sample : IC533-0.2 (M058) Inst : MSJ
Misc : MS13434, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

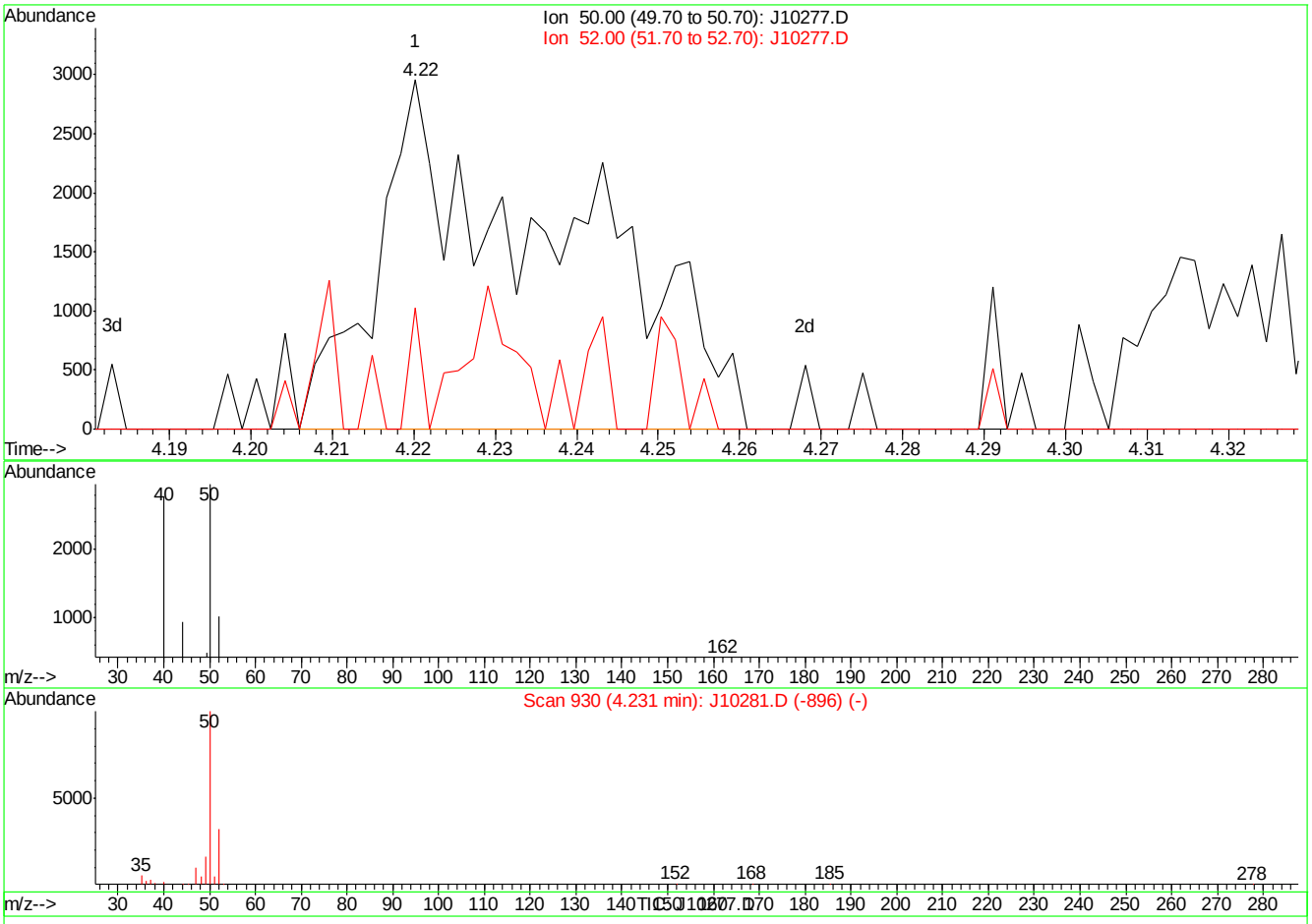
J10277.D J050907T.M Thu May 10 08:35:58 2007

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

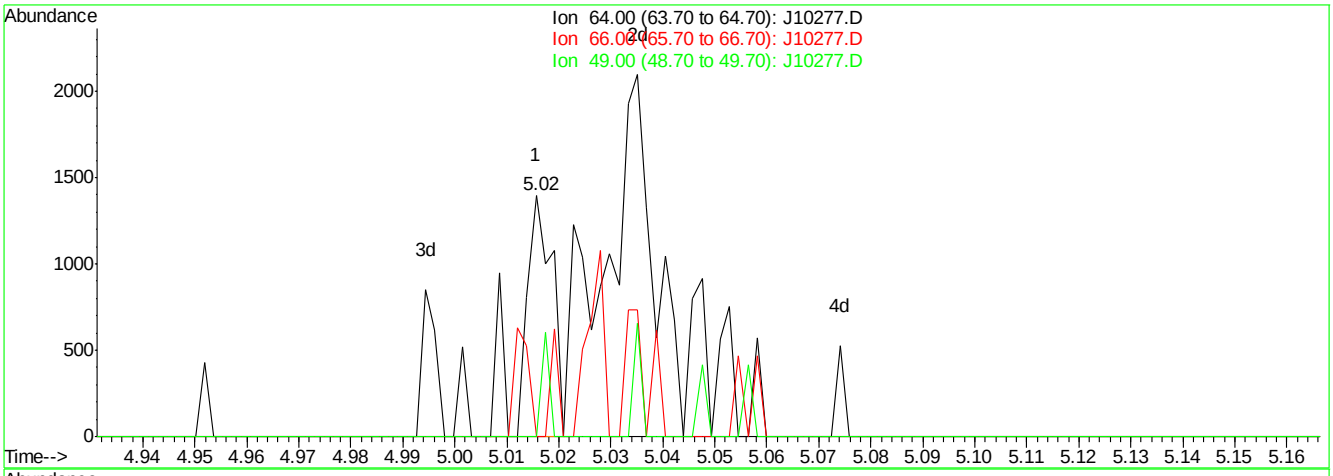
J10277.D J050907T.M Thu May 10 08:36:03 2007

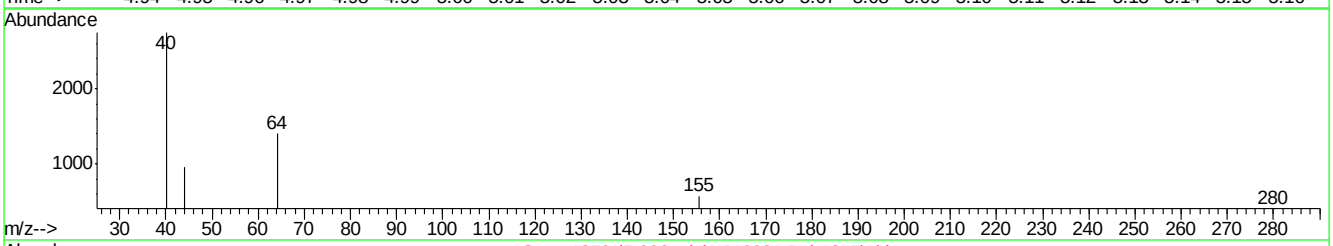
Quantitation Report (Qedit)

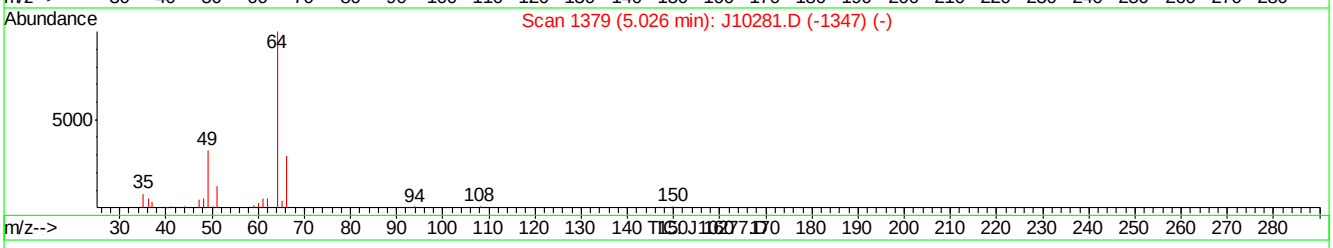
Data File : C:\MSDChem\1\data\J10277.D Vial: 2
Acq On : 9 May 2007 6:39 pm Operator: danat
Sample : IC533-0.2 (M058) Inst : MSJ
Misc : MS13434, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

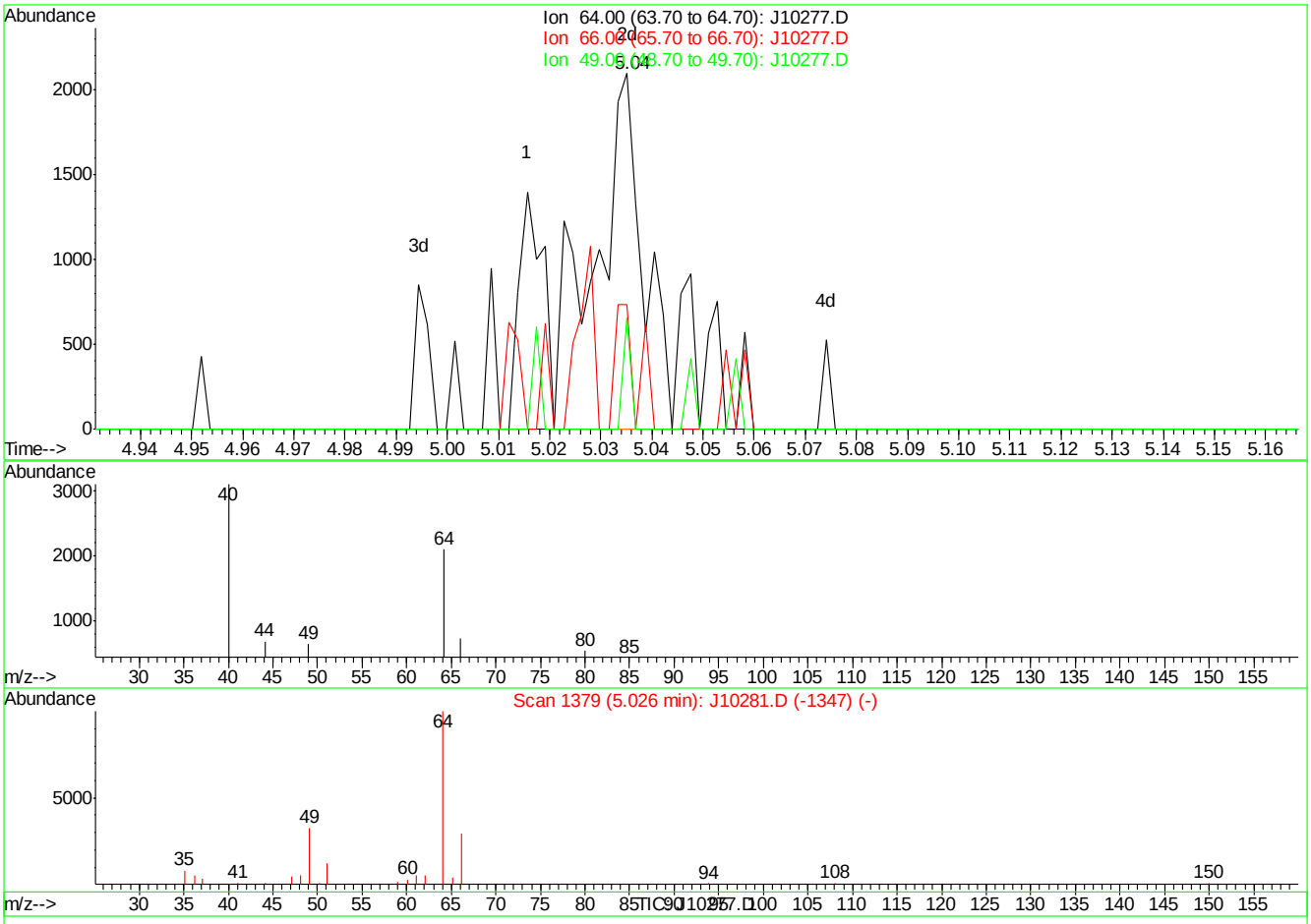
J10277.D J050907T.M Thu May 10 08:36:16 2007

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

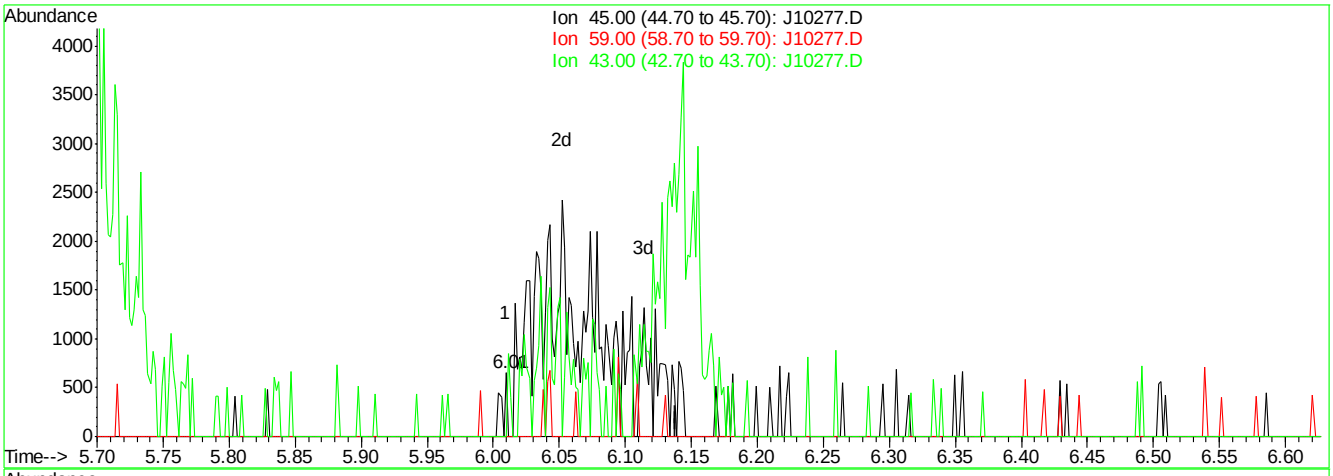
J10277.D J050907T.M Thu May 10 08:36:22 2007

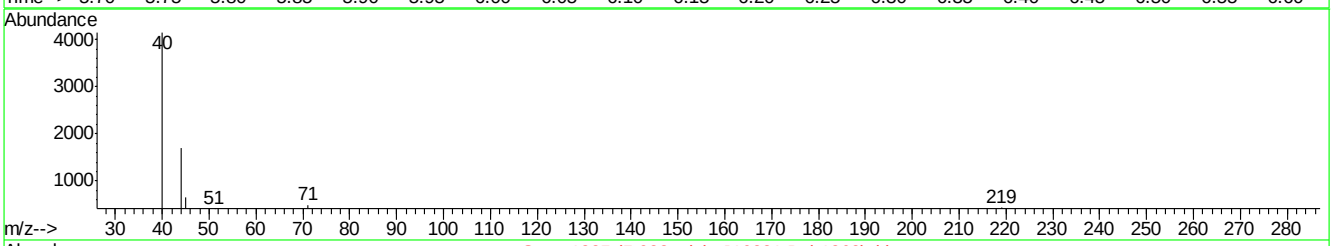
Quantitation Report (Qedit)

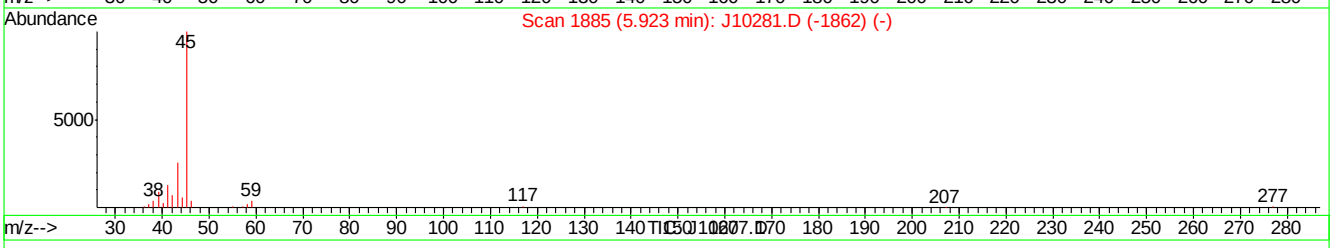
Data File : C:\MSDChem\1\data\J10277.D Vial: 2
Acq On : 9 May 2007 6:39 pm Operator: danat
Sample : IC533-0.2 (M058) Inst : MSJ
Misc : MS13434, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

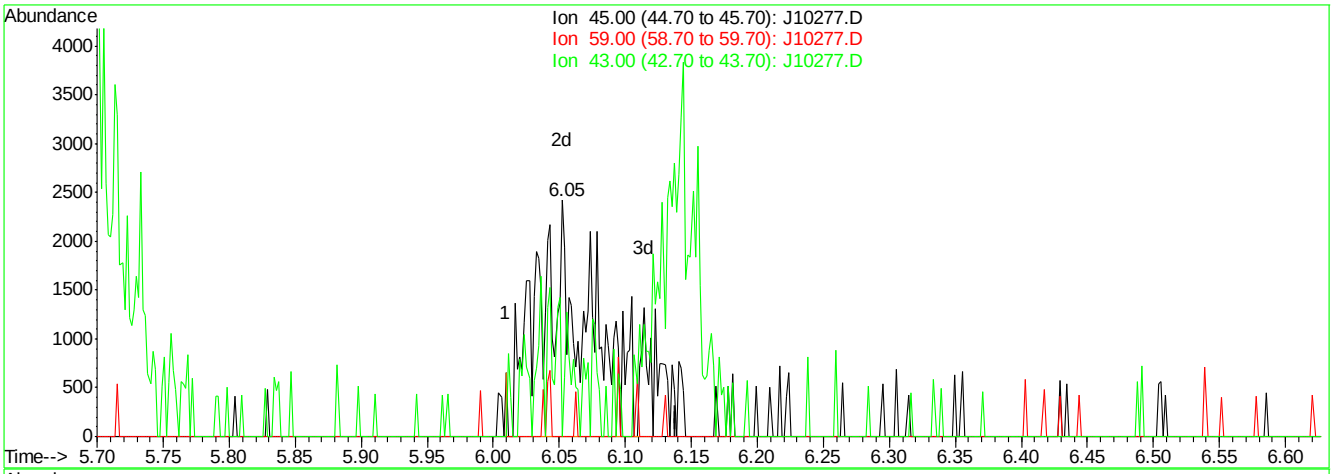
J10277.D J050907T.M Thu May 10 08:36:30 2007

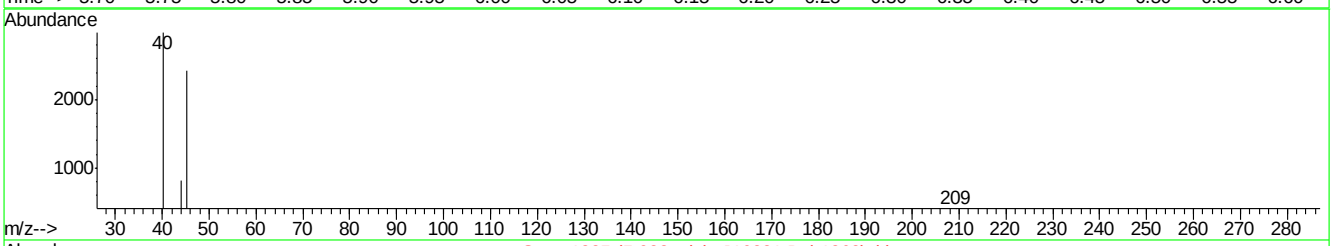
Quantitation Report (Qedit)

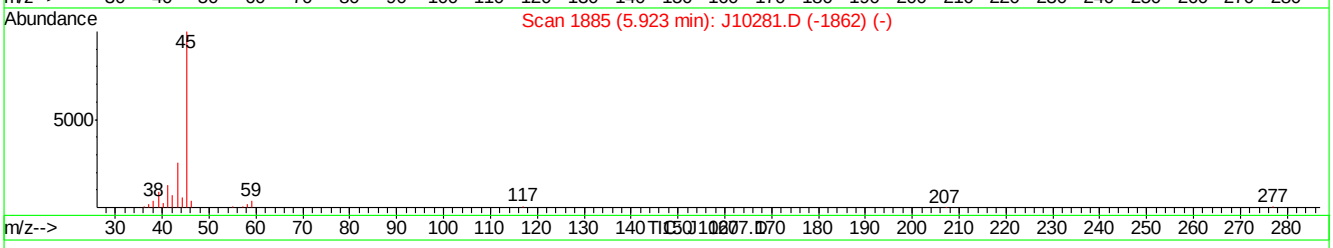
Data File : C:\MSDChem\1\data\J10277.D Vial: 2
Acq On : 9 May 2007 6:39 pm Operator: danat
Sample : IC533-0.2 (M058) Inst : MSJ
Misc : MS13434, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

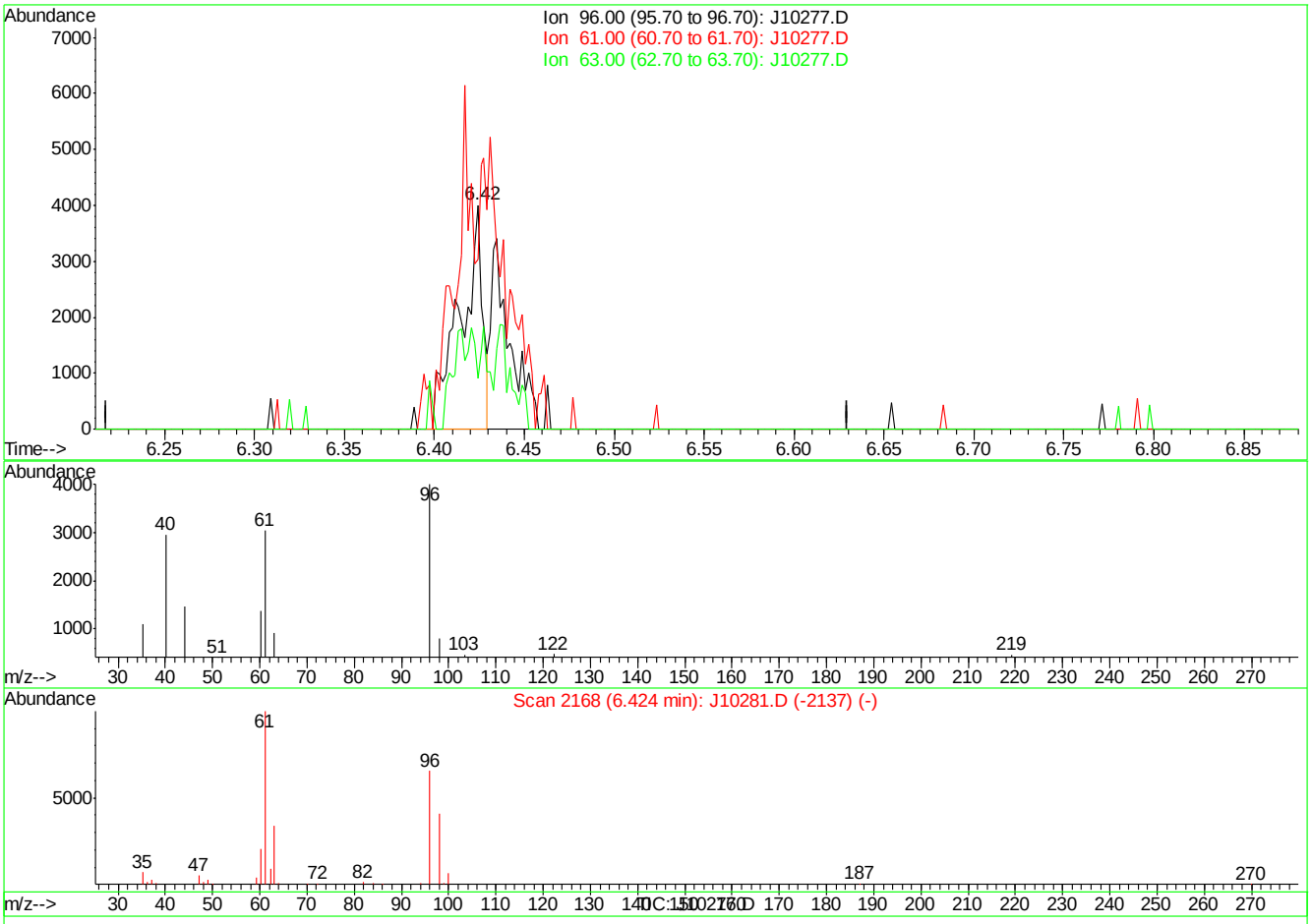
J10277.D J050907T.M Thu May 10 08:36:36 2007

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

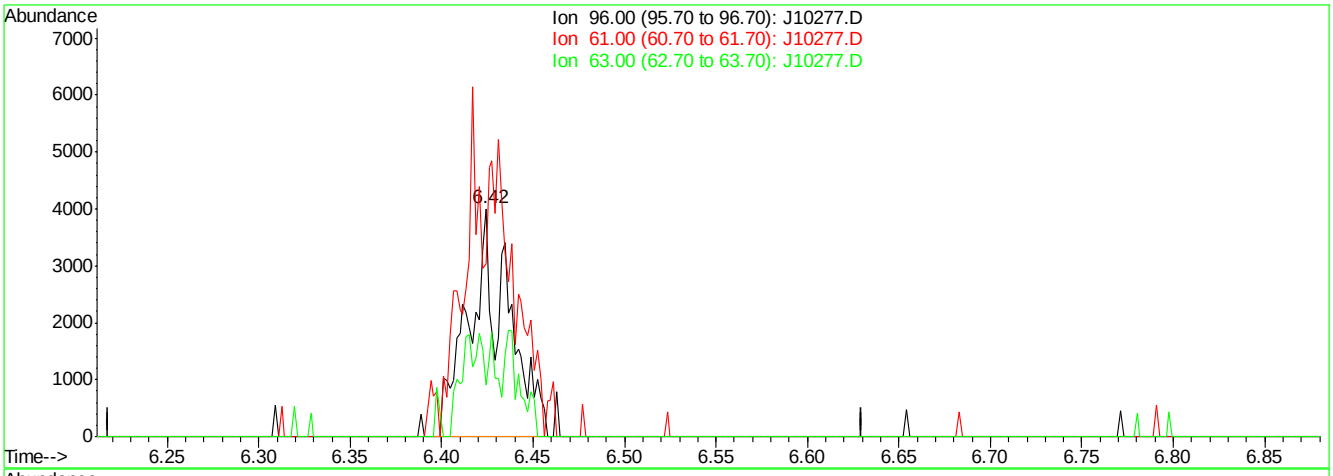
J10277.D J050907T.M Thu May 10 08:36:49 2007

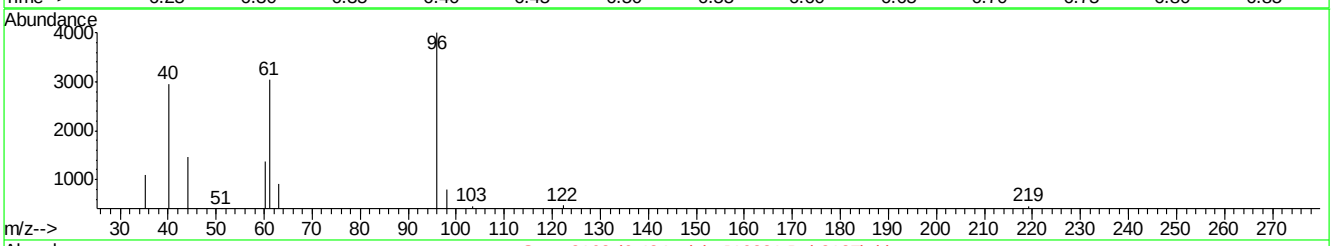
Quantitation Report (Qedit)

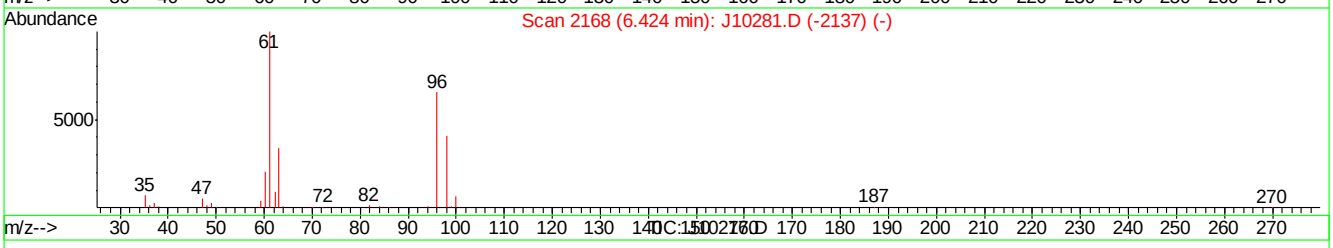
Data File : C:\MSDChem\1\data\J10277.D Vial: 2
Acq On : 9 May 2007 6:39 pm Operator: danat
Sample : IC533-0.2 (M058) Inst : MSJ
Misc : MS13434, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

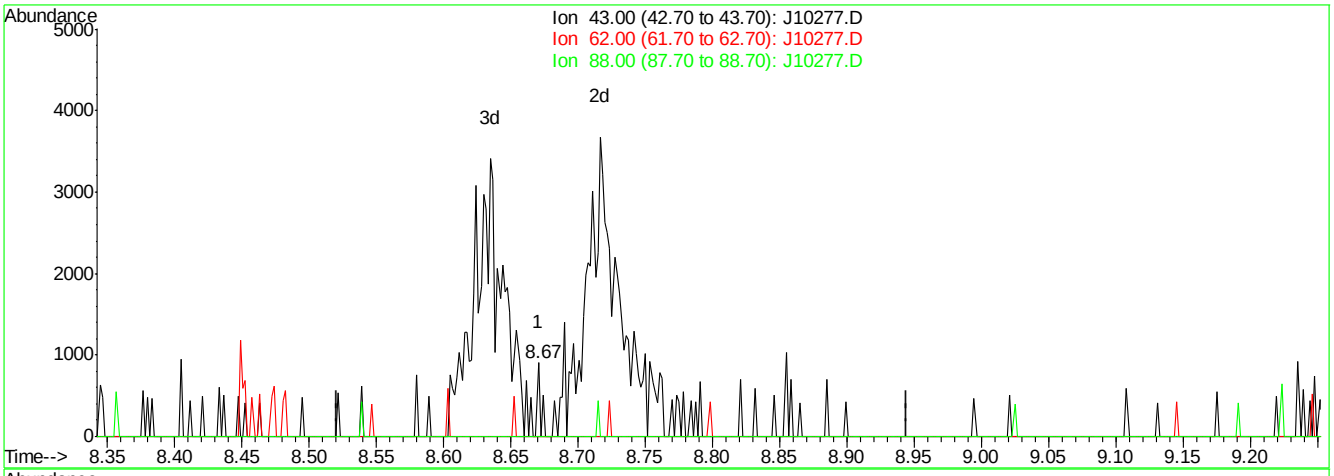
J10277.D J050907T.M Thu May 10 08:36:54 2007

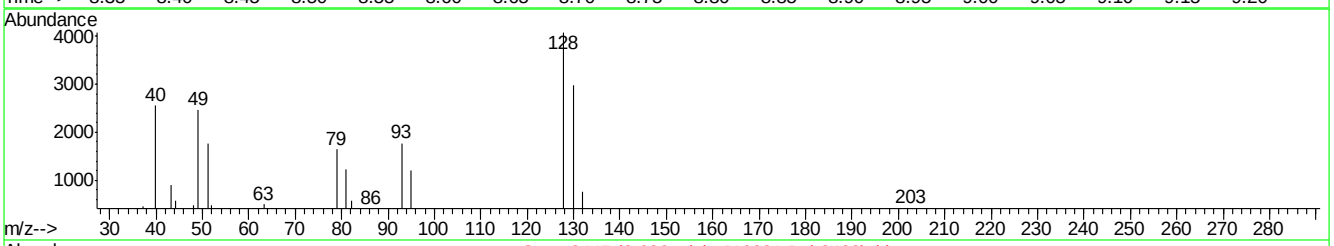
Quantitation Report (Qedit)

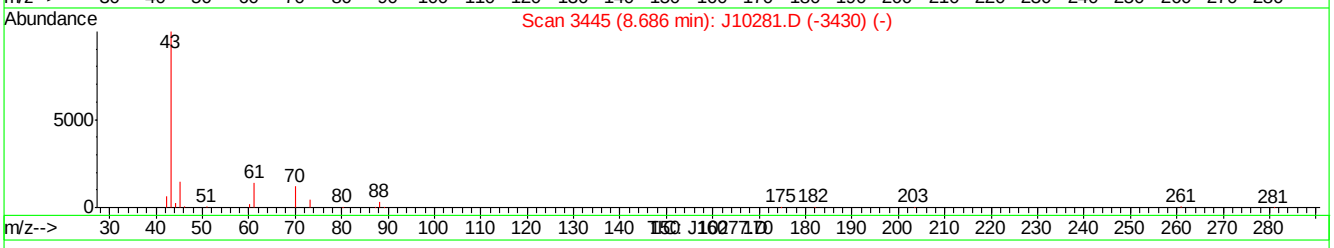
Data File : C:\MSDChem\1\data\J10277.D Vial: 2
Acq On : 9 May 2007 6:39 pm Operator: danat
Sample : IC533-0.2 (M058) Inst : MSJ
Misc : MS13434, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

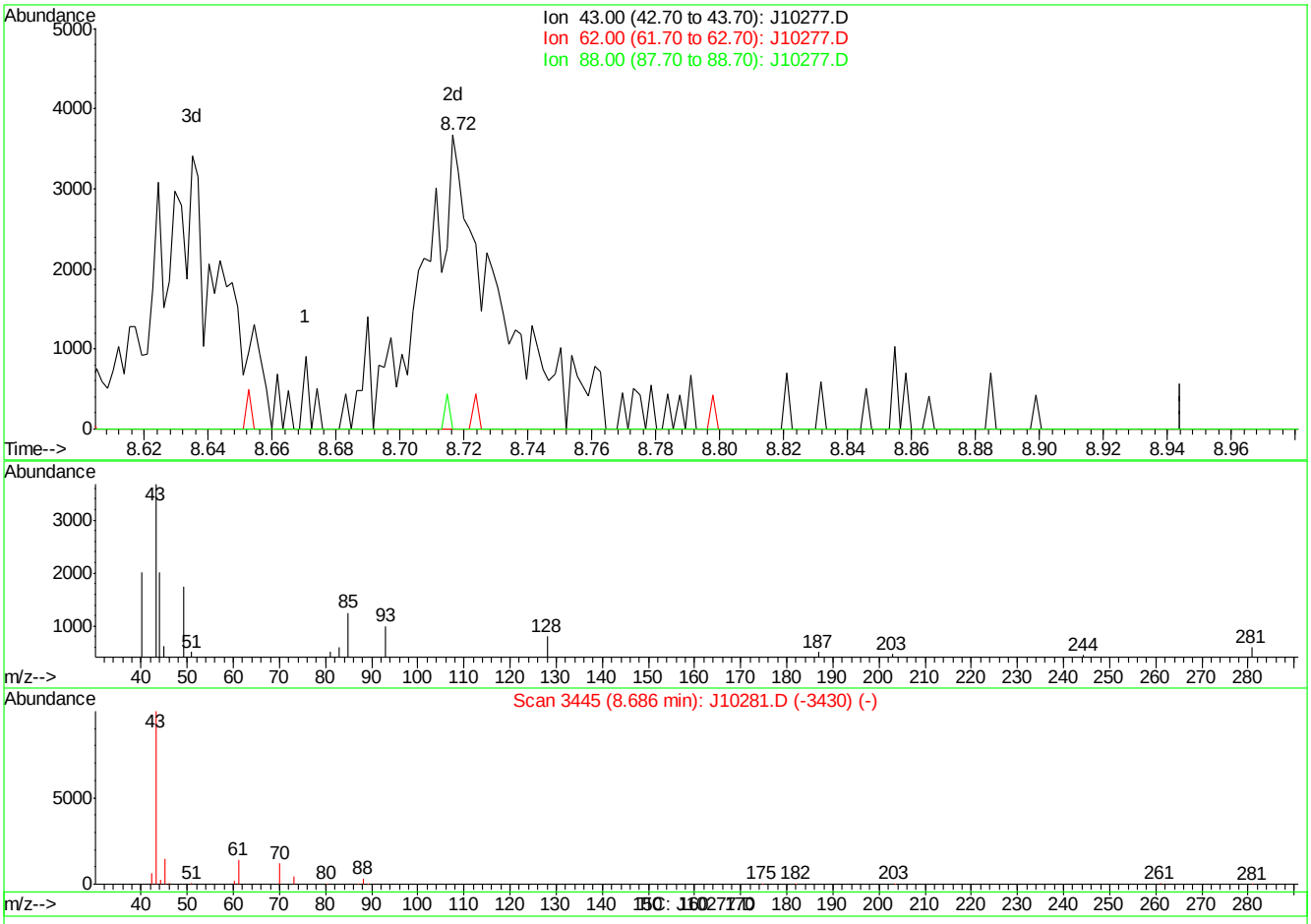
J10277.D J050907T.M Thu May 10 08:37:49 2007

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

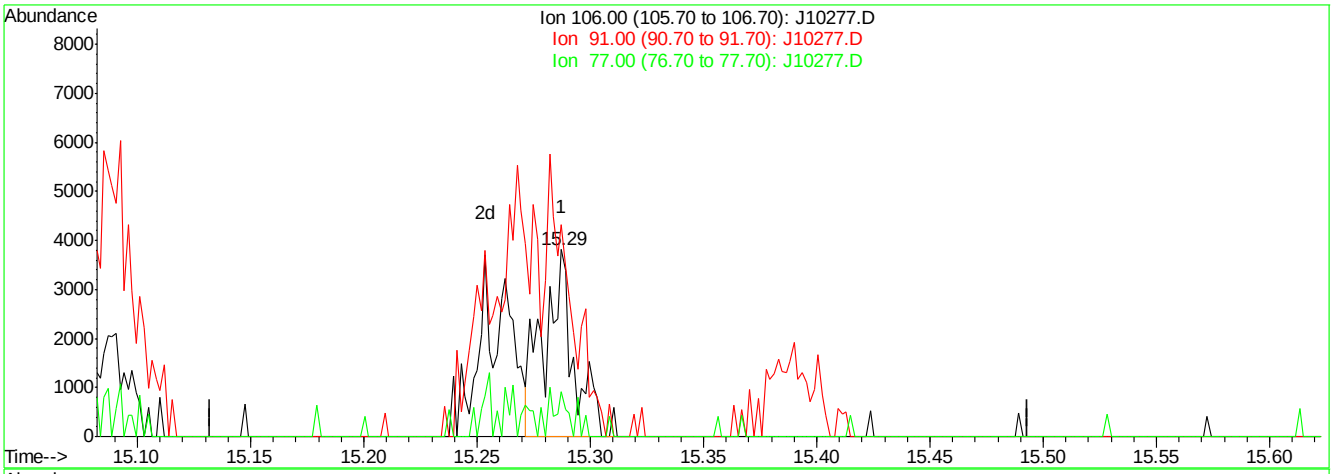
J10277.D J050907T.M Thu May 10 08:38:02 2007

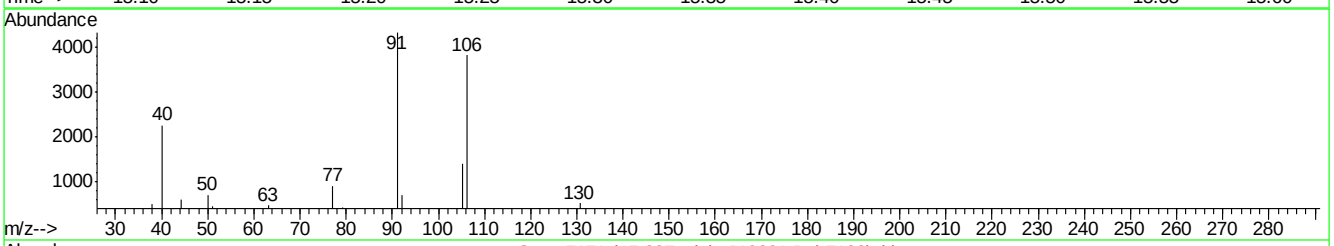
Quantitation Report (Qedit)

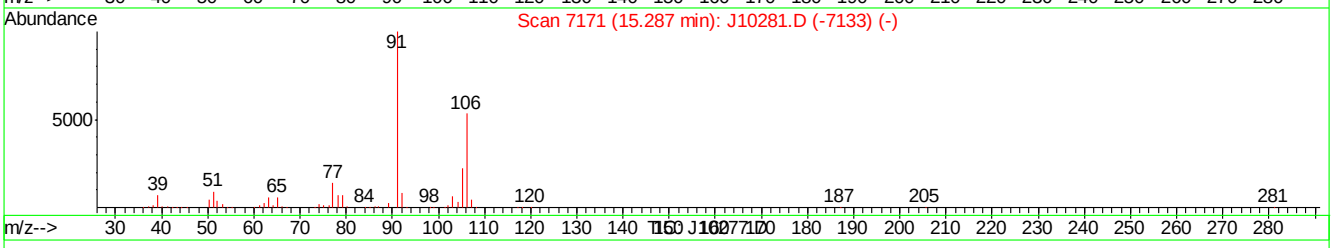
Data File : C:\MSDChem\1\data\J10277.D Vial: 2
Acq On : 9 May 2007 6:39 pm Operator: danat
Sample : IC533-0.2 (M058) Inst : MSJ
Misc : MS13434, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

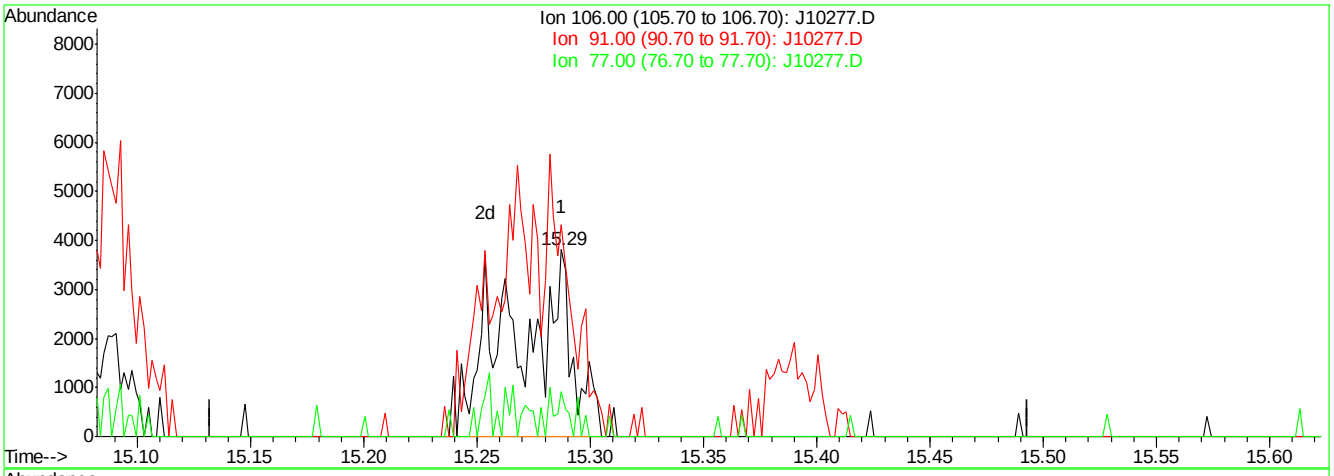
J10277.D J050907T.M Thu May 10 08:39:14 2007

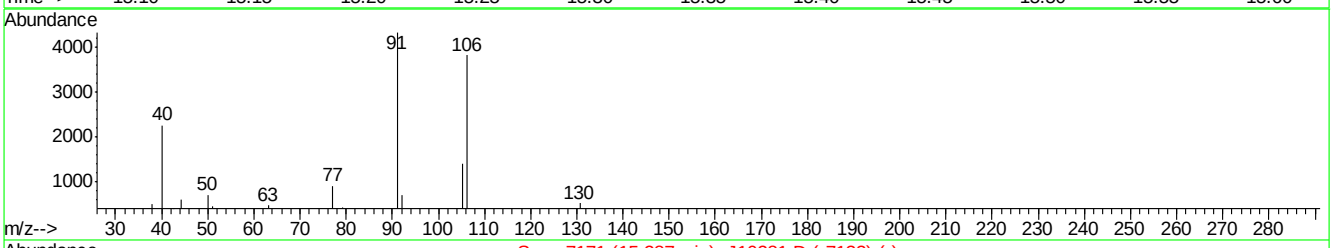
Quantitation Report (Qedit)

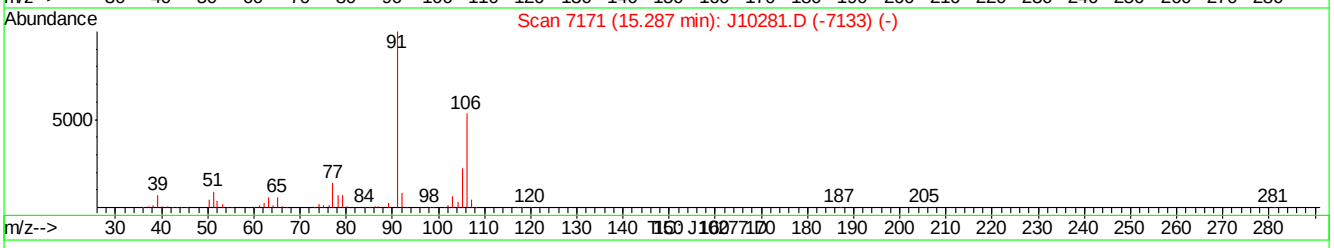
Data File : C:\MSDChem\1\data\J10277.D Vial: 2
Acq On : 9 May 2007 6:39 pm Operator: danat
Sample : IC533-0.2 (M058) Inst : MSJ
Misc : MS13434, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

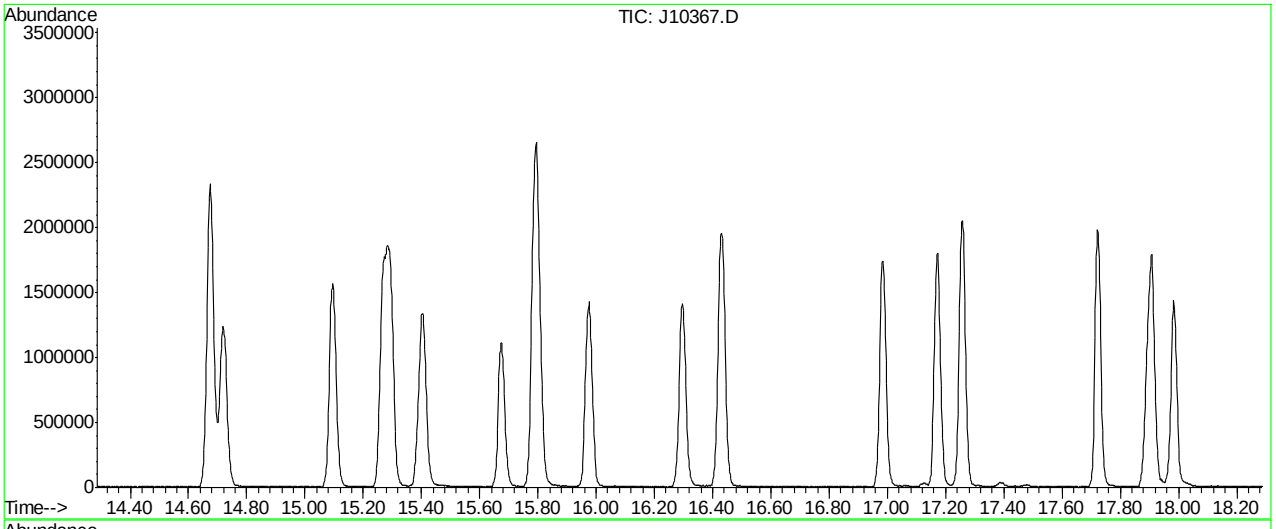
J10277.D J050907T.M Thu May 10 08:39:20 2007

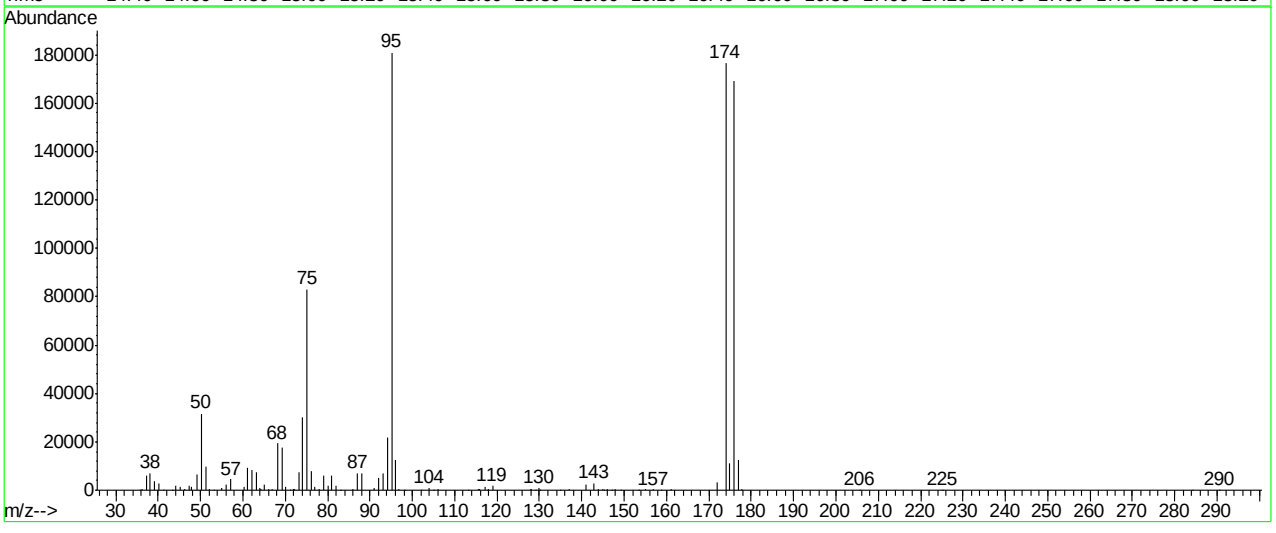
BFB

Data File : C:\MSDChem\1\data\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)

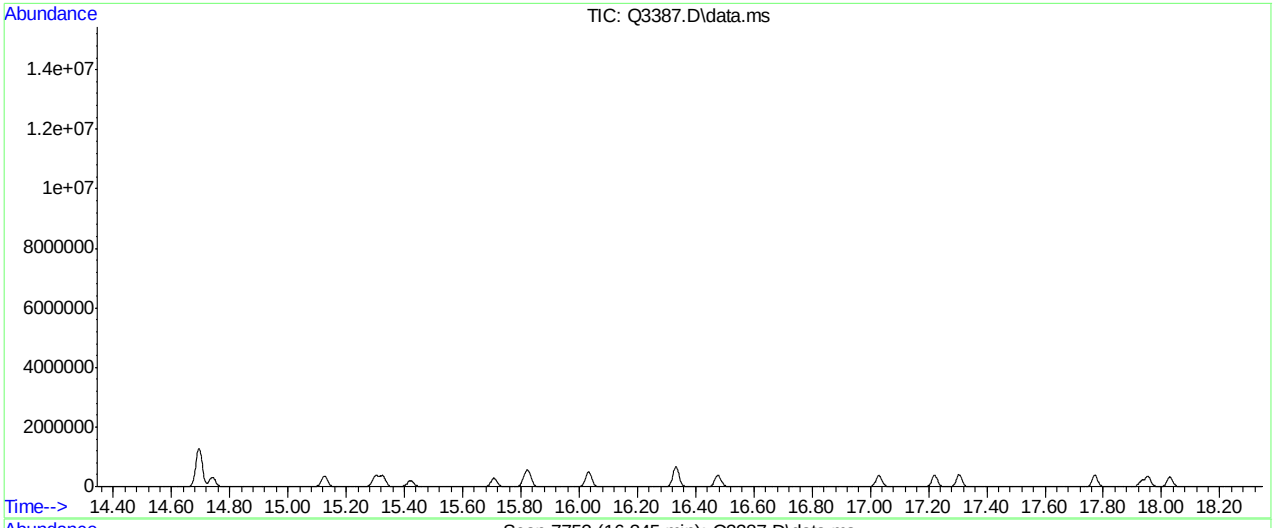
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
158.80	206	290.60	171				
161.00	360						
171.95	3280						
174.00	176768						
175.00	11238						
176.00	168960						
177.00	12656						
177.85	591						
205.70	193						
225.20	172						
284.10	165						

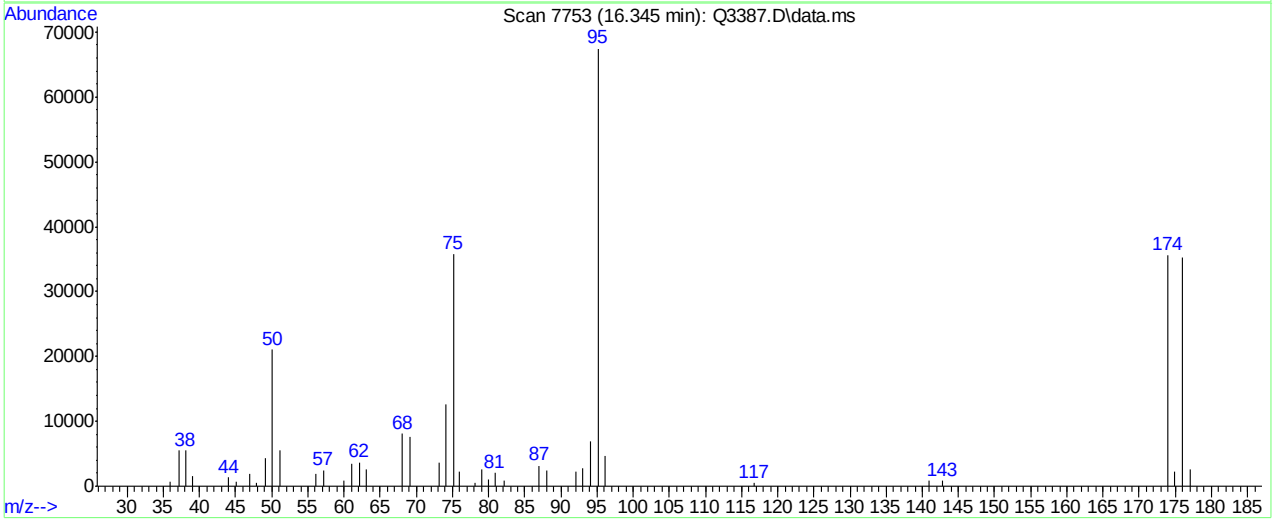
BFB

Data File : C:\msdchem\1\DATA\Q3387.D
Acq On : 15 May 2007 5:12 pm
Sample : IC185-2 (M060)
Misc : MS13535,MSQ185,,,,,1
MS Integration Params: LSCINT.P

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

Method : C:\msdchem\1\METHODS\Q051507T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um





Spectrum Information: Scan 7753

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	31.1	21000	PASS
75	95	30	66	53.0	35784	PASS
95	95	100	100	100.0	67472	PASS
96	95	5	9	7.0	4748	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	52.8	35648	PASS
175	174	4	9	6.1	2181	PASS
176	174	93	101	98.8	35216	PASS
177	176	5	9	7.2	2542	PASS

Q3387.D Q051507T.m Wed May 16 11:17:16 2007 RPT1

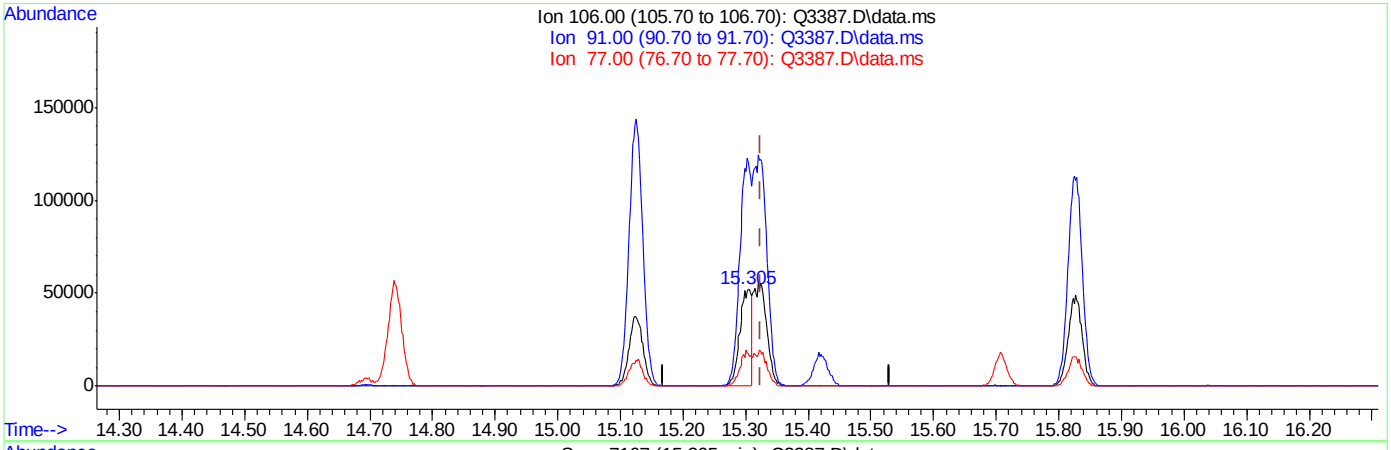
Scan 7753 (16.345 min): Q3387.D\data.ms
IC185-2 (M060)

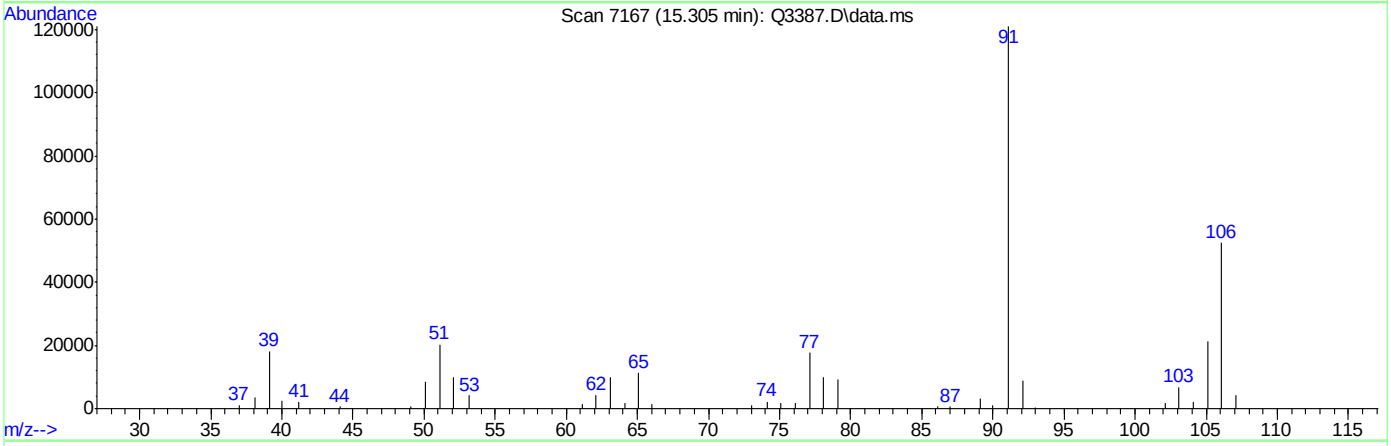
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.90	679	56.10	1861	76.00	2203	95.10	67472
37.10	5460	57.10	2507	78.10	501	96.10	4748
38.10	5524	60.00	840	79.00	2585	116.80	443
39.00	1611	61.10	3484	80.00	993	140.90	811
44.00	1333	62.10	3649	80.90	2020	142.80	846
45.10	721	63.10	2658	82.10	886	174.00	35648
47.00	1983	68.10	8113	87.00	3153	174.90	2181
47.90	593	69.10	7586	88.10	2509	176.00	35216
49.10	4327	73.10	3655	92.10	2174	177.00	2542
50.10	21000	74.10	12601	93.00	2842		
51.10	5609	75.10	35784	94.10	6850		

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3387.D
Acq On : 15 May 2007 5:12 pm
Operator : PhilipB
Sample : IC185-2 (M060)
Misc : MS13535,MSQ185,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 15 17:38:09 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 : Tue May 15 16:13:49 2007
Response via : Initial Calibration





TIC: Q3387.D\data.ms

(56) m,p-XYLENE (m)

15.305min (-0.019) 1.61PPBV

response 69695

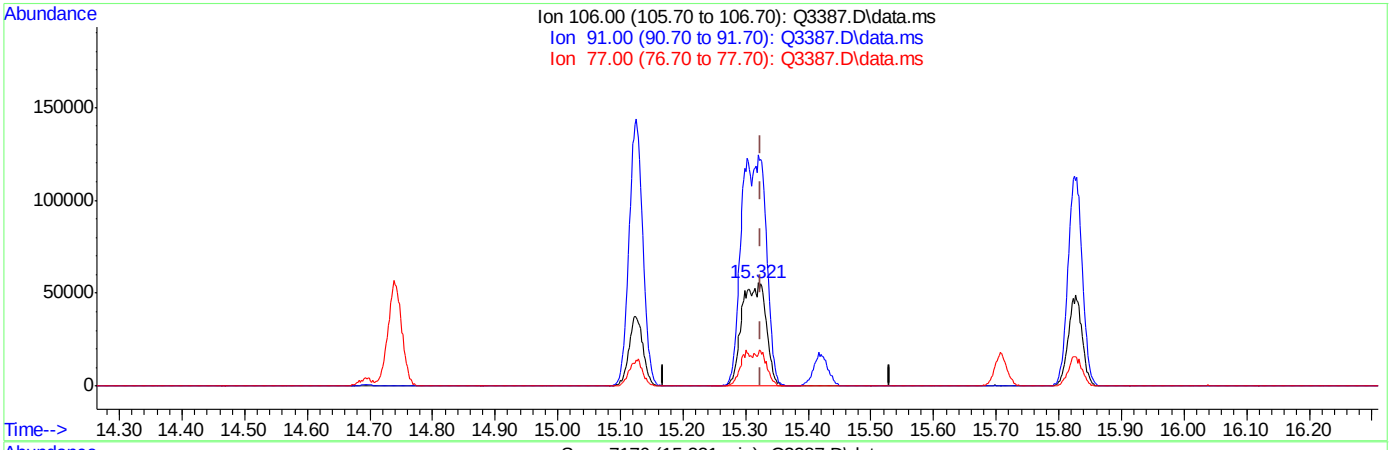
Ion	Exp%	Act%
106.00	100	100
91.00	204.20	231.05
77.00	30.60	33.87
0.00	0.00	0.00

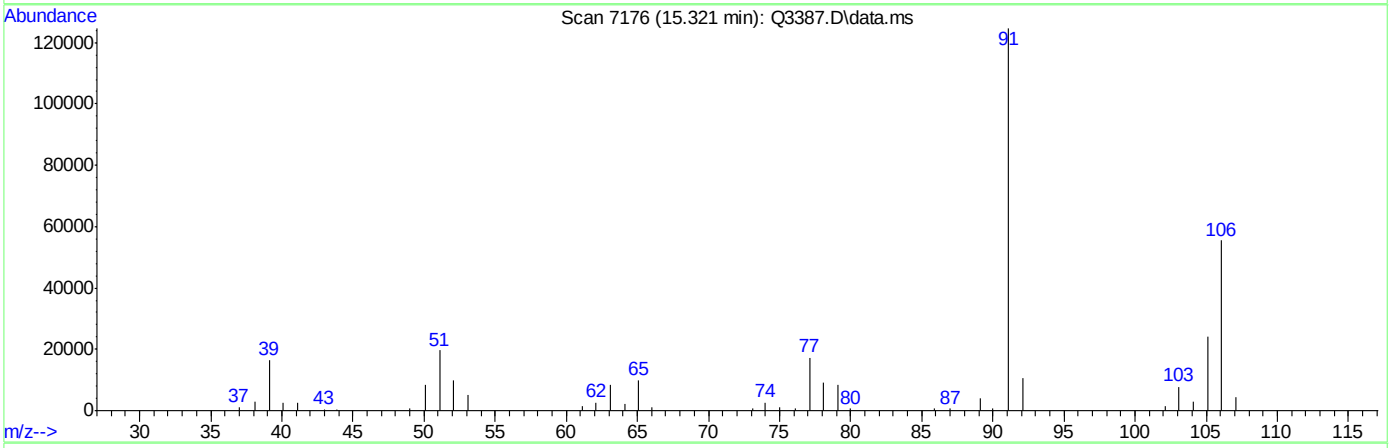
ACCUTEST Laboratories M64940

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3387.D
Acq On : 15 May 2007 5:12 pm
Operator : PhilipB
Sample : IC185-2 (M060)
Misc : MS13535,MSQ185,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 15 17:38:09 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 : Tue May 15 16:13:49 2007
Response via : Initial Calibration





TIC: Q3387.D\data.ms

(56) m,p-XYLENE (m)

15.321min (-0.004) 3.48PPBV m

response 150900

Ion	Exp%	Act%
106.00	100	100
91.00	204.20	224.73
77.00	30.60	31.22
0.00	0.00	0.00

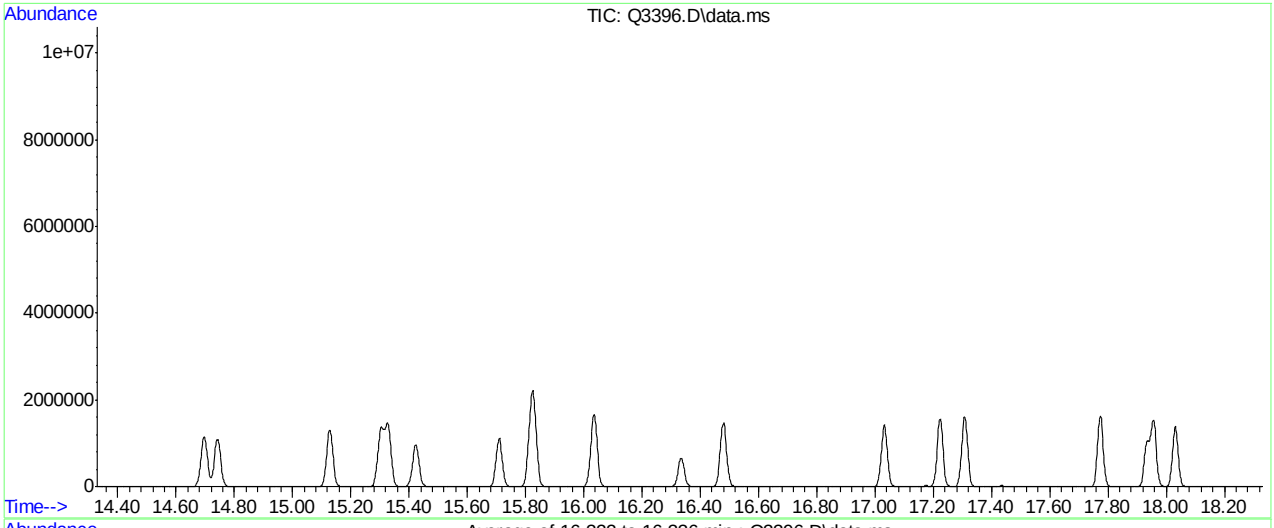
ACCUTEST Laboratories M64940

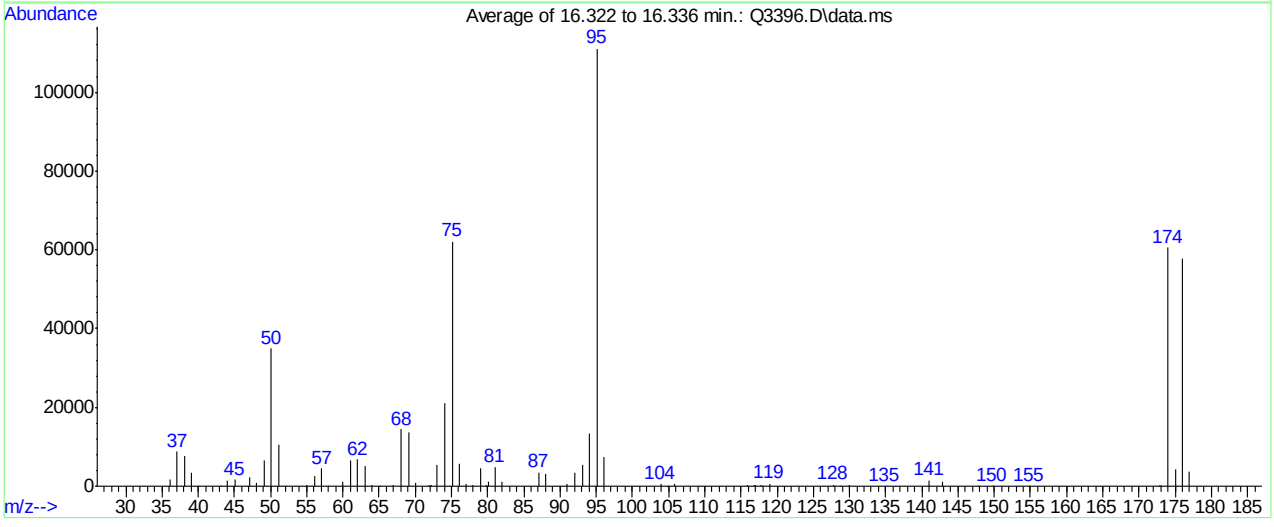
BFB

Data File : C:\msdchem\1\DATA\Q3396.D
Acq On : 16 May 2007 12:25 pm
Sample : CC185-10 (M068)
Misc : MS13579,MSQ186,,,,,1
MS Integration Params: LSCINT.P

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

Method : C:\msdchem\1\METHODS\Q051507T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um





Spectrum Information: Average of 16.322 to 16.336 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	31.4	34923	PASS
75	95	30	66	55.9	62112	PASS
95	95	100	100	100.0	111101	PASS
96	95	5	9	6.7	7467	PASS
173	174	0.00	2	0.4	237	PASS
174	95	50	120	54.4	60476	PASS
175	174	4	9	7.1	4319	PASS
176	174	93	101	95.6	57807	PASS
177	176	5	9	6.5	3785	PASS

Q3396.D Q051507T.m Wed May 16 13:29:57 2007 RPT1

Average of 16.322 to 16.336 min.: Q3396.D\data.ms
CC185-10 (M068)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	1710	50.10	34923	63.95	382	75.10	62112
37.10	8737	51.10	10465	65.05	127	76.10	5775
38.10	7784	52.00	129	66.95	211	77.00	461
39.10	3312	55.05	408	68.10	14425	77.90	273
39.95	106	56.05	2687	69.10	13785	79.00	4643
43.10	49	57.10	4530	70.05	915	79.85	299
44.05	1560	58.00	75	71.90	247	80.05	1051
45.10	1642	60.00	1277	72.00	77	81.00	4888
47.05	2188	61.05	6680	72.15	229	81.95	1020
48.00	972	62.05	6702	73.05	5514	87.05	3429
49.10	6541	63.10	5080	74.10	21169	88.00	3266

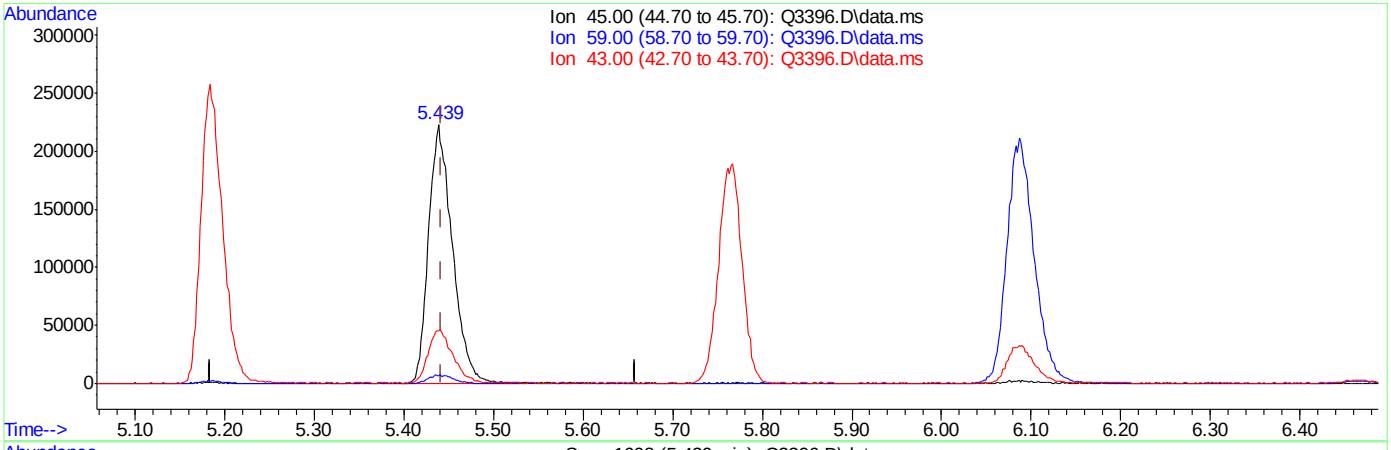
Average of 16.322 to 16.336 min.: Q3396.D\data.ms
CC185-10 (M068)

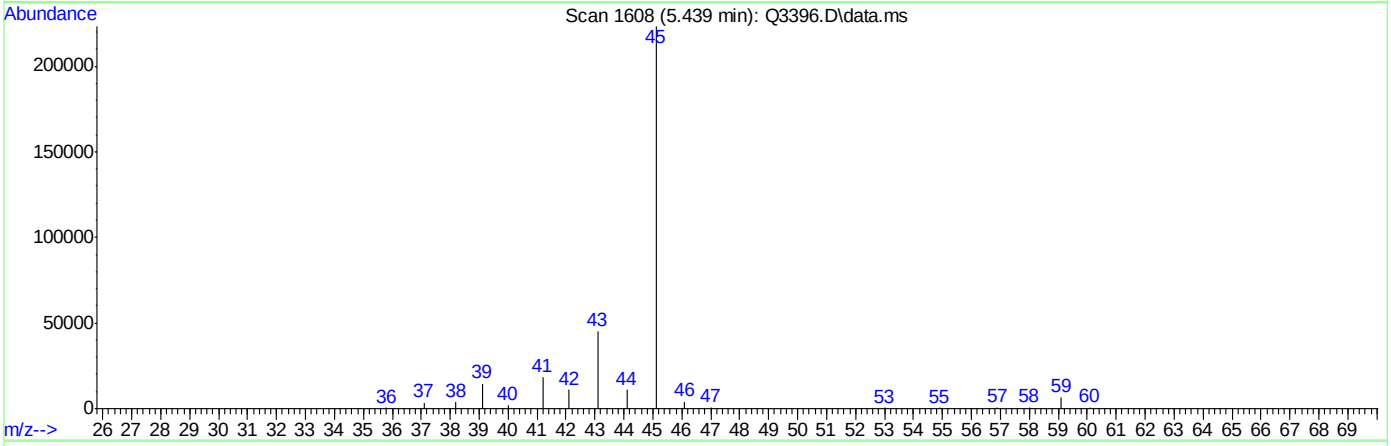
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
90.95	442	116.90	98	142.90	1284		
92.05	3393	117.05	416	147.80	59		
93.05	5361	117.75	162	149.80	68		
94.10	13359	117.95	151	154.85	122		
95.10	111101	118.95	717	172.90	237		
96.10	7467	127.80	357	173.10	49		
103.90	500	128.80	58	174.00	60476		
104.90	47	129.80	122	175.05	4319		
105.85	473	129.95	338	176.00	57807		
115.95	205	134.90	107	177.00	3785		
116.80	212	141.00	1463				

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3396.D
Acq On : 16 May 2007 12:25 pm
Operator : PhilipB
Sample : CC185-10 (M068)
Misc : MS13535,MSQ186,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 16 13:28:09 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 11:12:42 2007
Response via : Initial Calibration





TIC: Q3396.D\data.ms

(11) ISOPROPYL ALCOHOL (m)

5.439min (-0.004) 6.93PPBV

response 412460

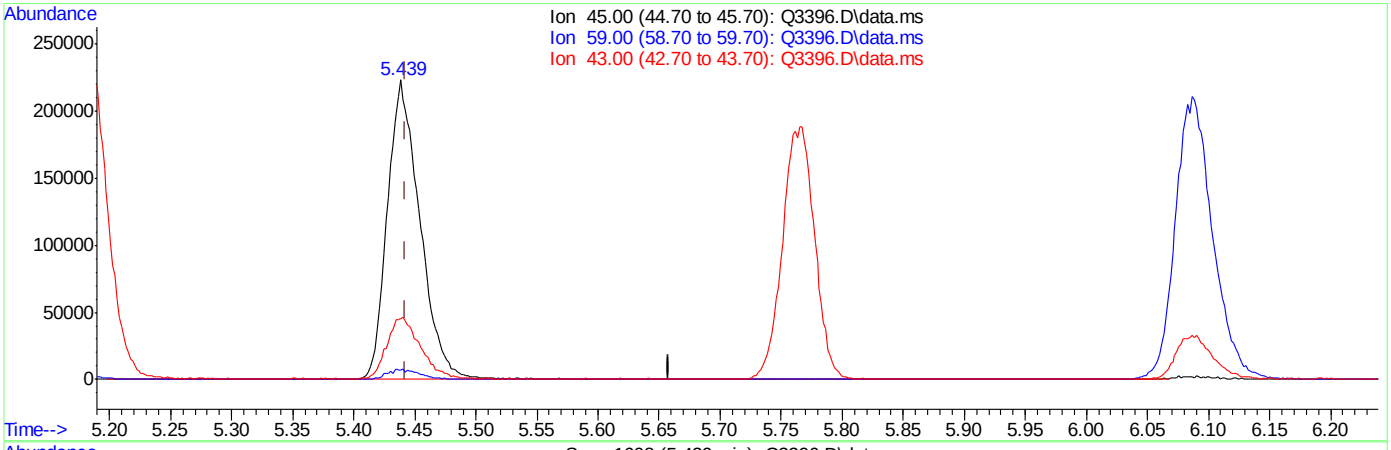
Ion	Exp%	Act%
45.00	100	100
59.00	2.80	3.09
43.00	22.80	20.29
0.00	0.00	0.00

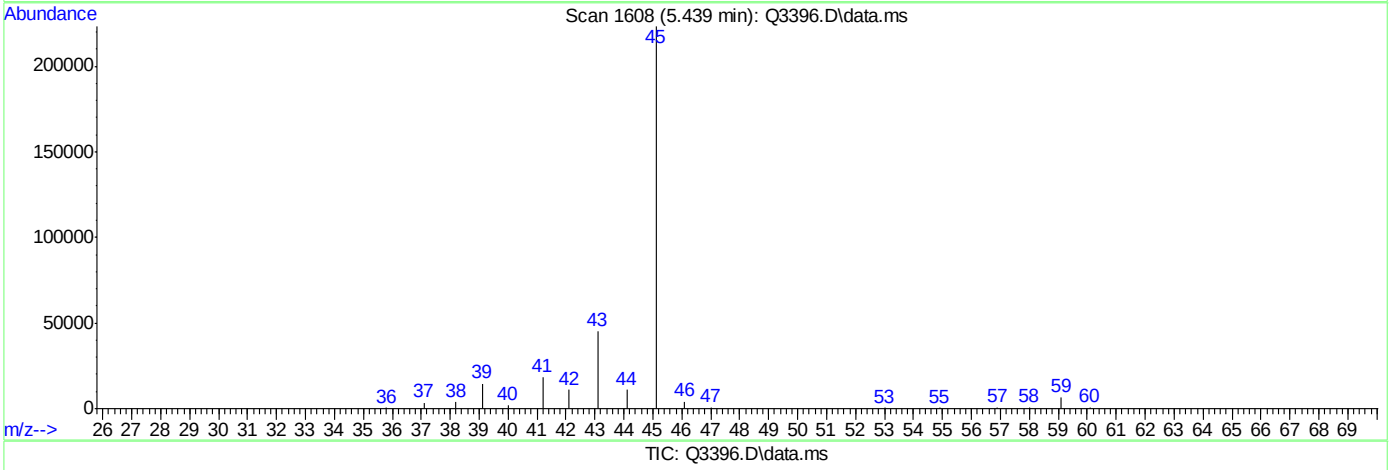
ACCUTEST Laboratories M64940

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3396.D
Acq On : 16 May 2007 12:25 pm
Operator : PhilipB
Sample : CC185-10 (M068)
Misc : MS13535,MSQ186,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 16 13:28:09 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 11:12:42 2007
Response via : Initial Calibration





TIC: Q3396.D\data.ms

(11) ISOPROPYL ALCOHOL (m)

5.439min (-0.004) 7.00PPBV m

response 416514

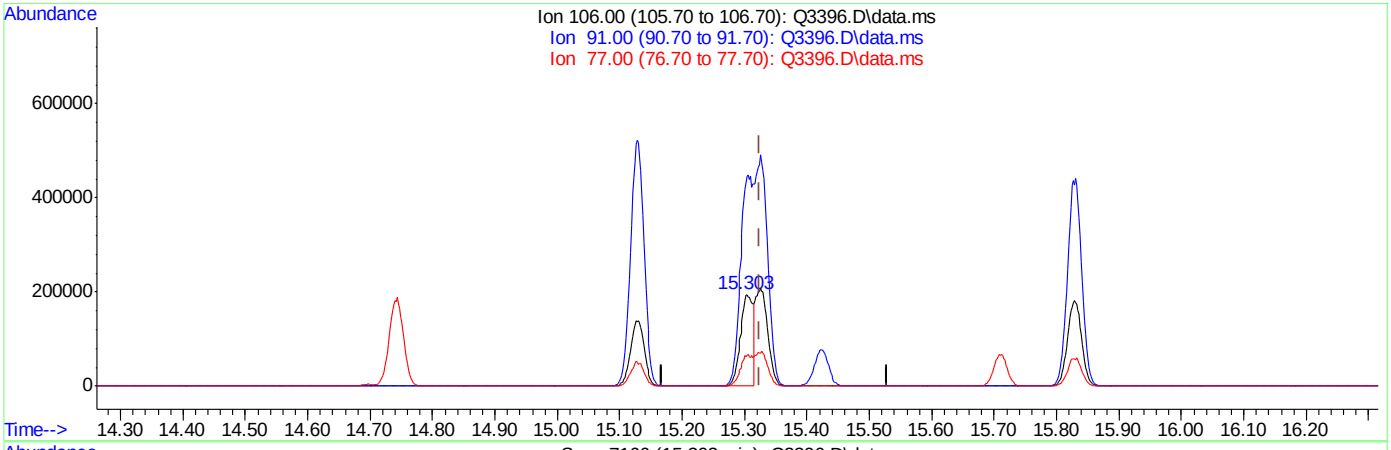
Ion	Exp%	Act%
45.00	100	100
59.00	2.80	3.09
43.00	22.80	20.29
0.00	0.00	0.00

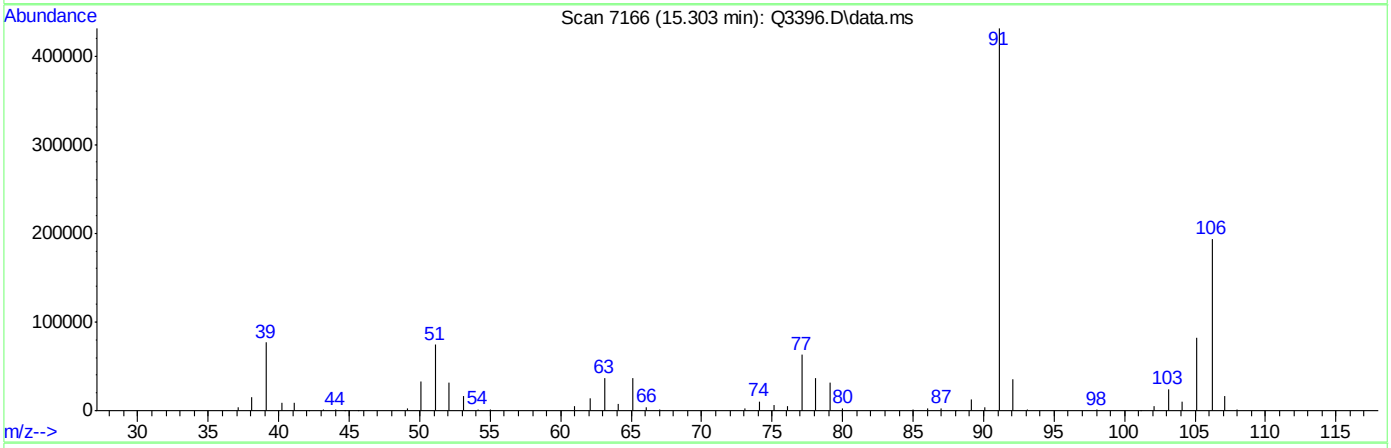
ACCUTEST Laboratories M64940

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3396.D
Acq On : 16 May 2007 12:25 pm
Operator : PhilipB
Sample : CC185-10 (M068)
Misc : MS13535,MSQ186,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 16 13:28:09 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 11:12:42 2007
Response via : Initial Calibration





TIC: Q3396.D\data.ms

(56) m,p-XYLENE (m)

15.303min (-0.021) 8.75PPBV

response 280032

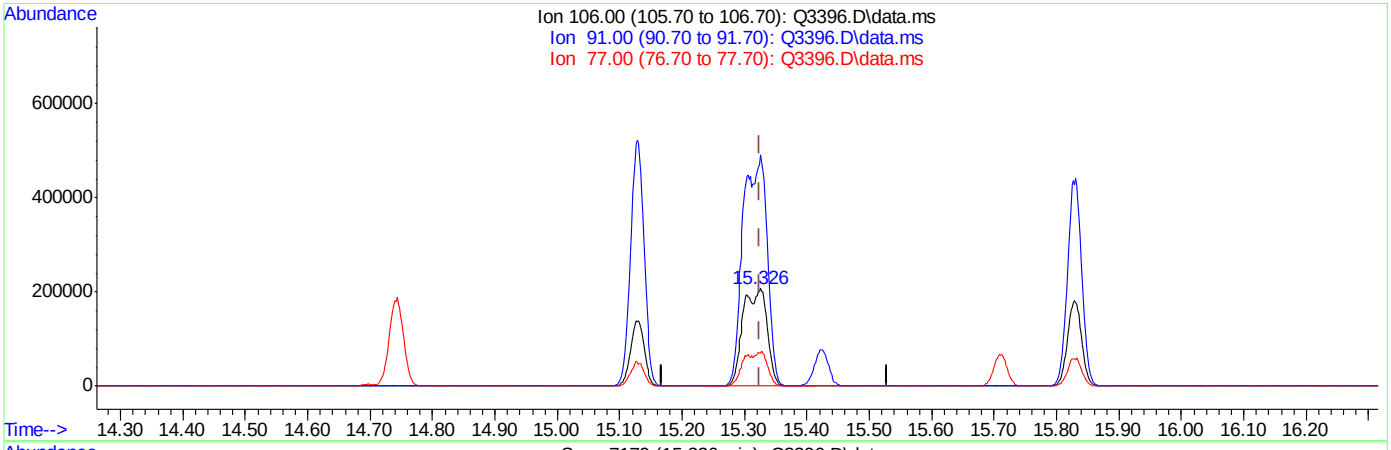
Ion	Exp%	Act%
106.00	100	100
91.00	204.20	222.17
77.00	30.60	32.39
0.00	0.00	0.00

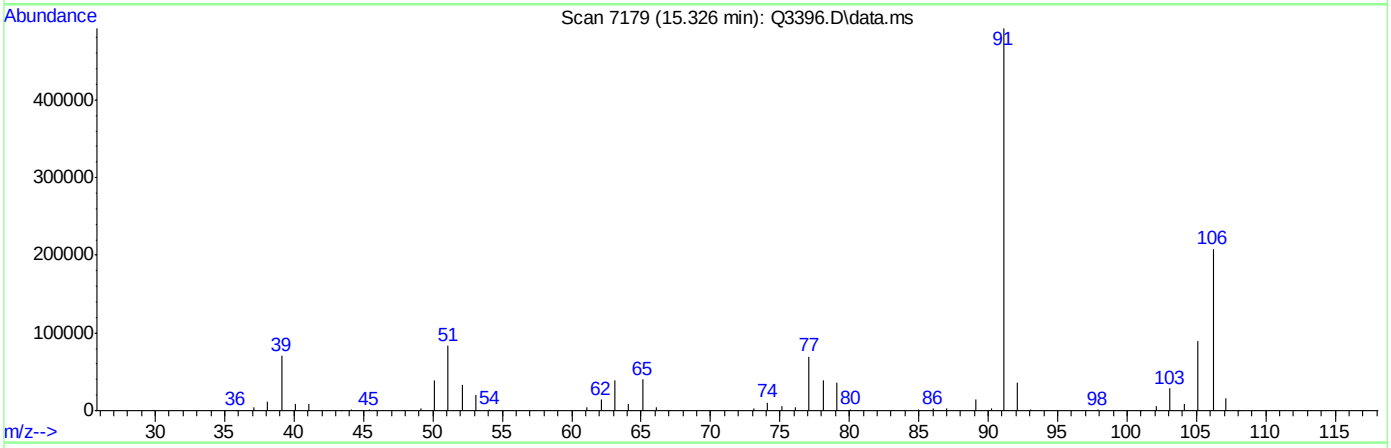
ACCUTEST Laboratories M64940

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3396.D
Acq On : 16 May 2007 12:25 pm
Operator : PhilipB
Sample : CC185-10 (M068)
Misc : MS13535,MSQ186,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 16 13:28:09 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 11:12:42 2007
Response via : Initial Calibration





TIC: Q3396.D\data.ms

(56) m,p-XYLENE (m)

15.326min (+0.002) 17.54PPBV m

response 561105

Ion	Exp%	Act%
106.00	100	100
91.00	204.20	236.70
77.00	30.60	33.39
0.00	0.00	0.00

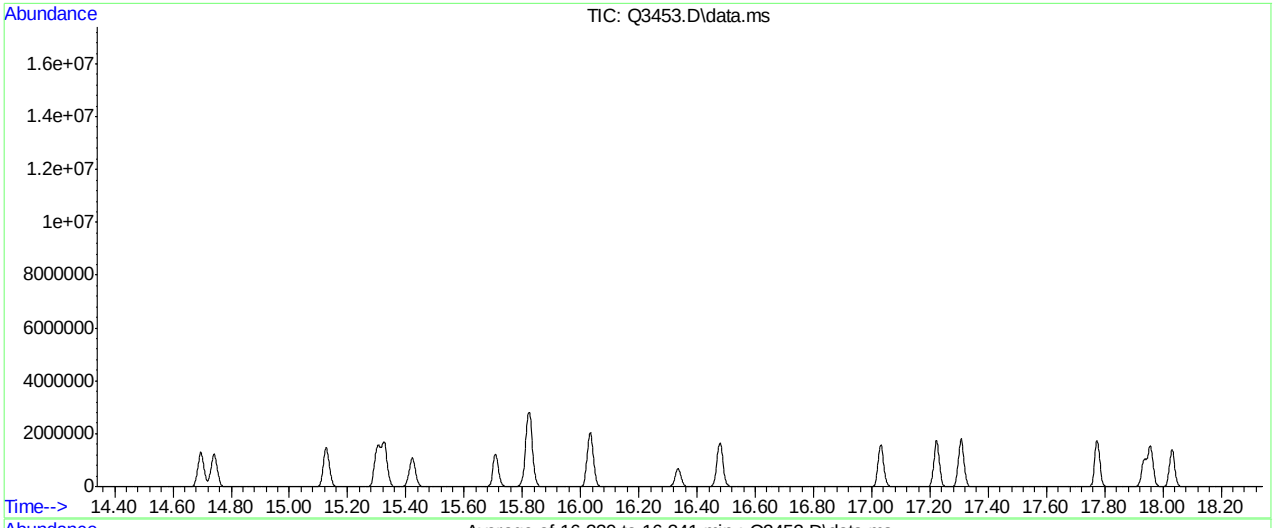
ACCUTEST Laboratories M64940

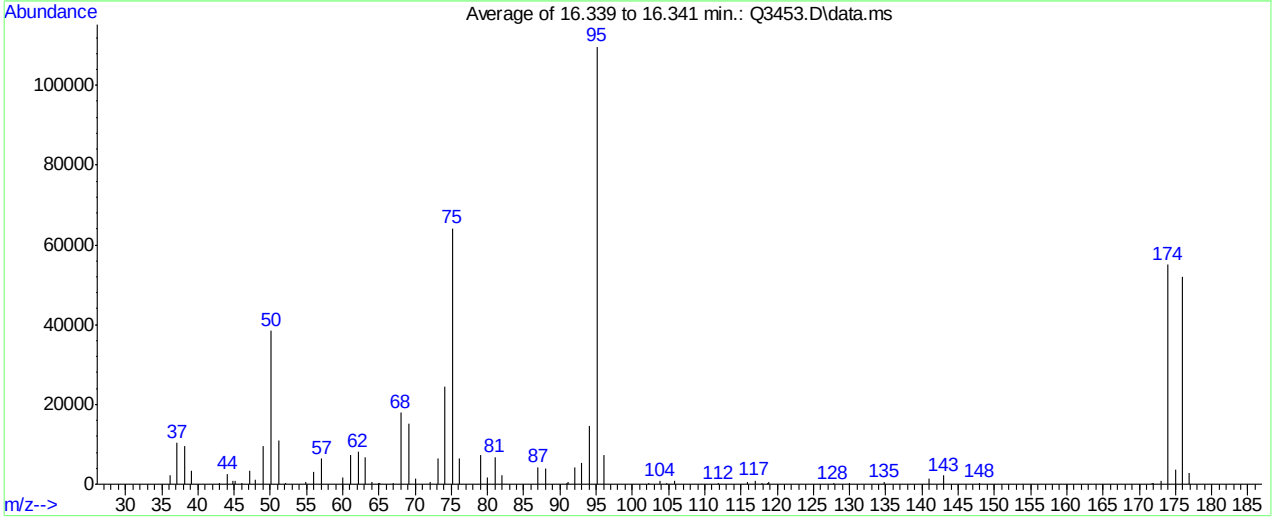
BFB

Data File : C:\msdchem\1\DATA\Q3453.D
Acq On : 18 May 2007 4:25 pm
Sample : CC185-10 (M068)
Misc : MS13593,MSQ188,,,,,1
MS Integration Params: LSCINT.P

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

Method : C:\msdchem\1\METHODS\Q051507T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um





Spectrum Information: Average of 16.339 to 16.341 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	35.0	38392	PASS
75	95	30	66	58.4	64080	PASS
95	95	100	100	100.0	109740	PASS
96	95	5	9	6.5	7176	PASS
173	174	0.00	2	1.5	813	PASS
174	95	50	120	50.1	54988	PASS
175	174	4	9	6.9	3801	PASS
176	174	93	101	94.5	51940	PASS
177	176	5	9	5.3	2774	PASS

Q3453.D Q051507T.m Mon May 21 09:32:59 2007 RPT1

Average of 16.339 to 16.341 min.: Q3453.D\data.ms
CC185-10 (M068)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.10	2186	49.05	9454	64.10	539	76.10	6411
37.10	10394	50.10	38392	64.90	365	79.00	7456
38.10	9465	51.10	11081	65.10	344	79.95	1756
39.10	3493	52.10	329	67.00	403	81.00	6894
42.90	223	54.90	649	68.05	17860	82.00	2129
44.10	2645	56.05	3022	69.10	15272	87.00	4298
44.90	858	57.10	6379	70.00	1304	88.00	4076
45.10	742	60.00	1728	72.00	635	90.90	394
46.10	227	61.05	7229	73.10	6386	91.10	464
47.10	3517	62.10	8121	74.10	24420	92.00	4171
47.90	1073	63.10	6652	75.10	64080	93.05	5230

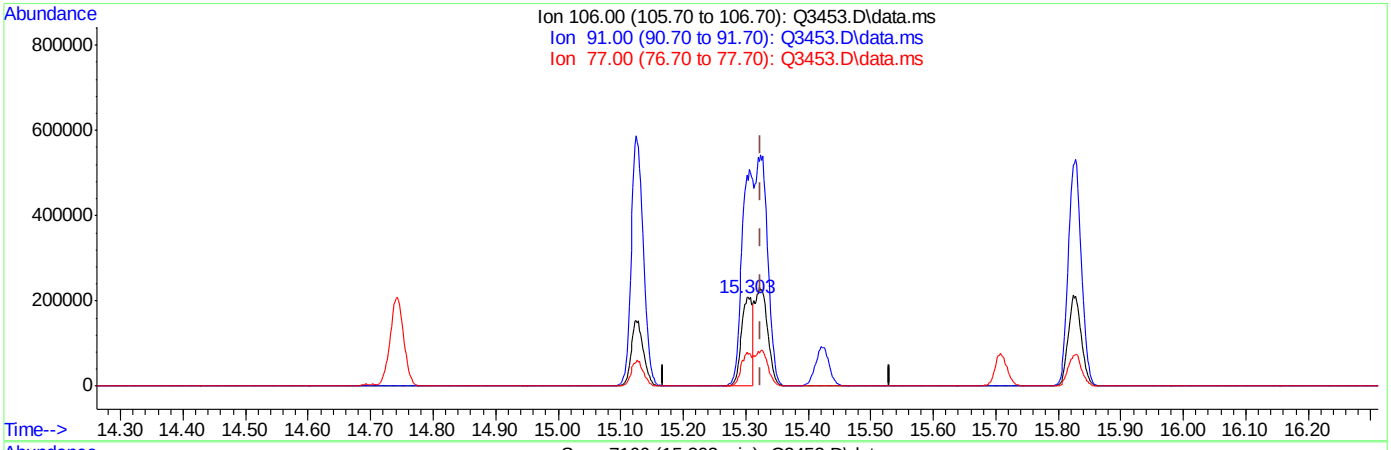
Average of 16.339 to 16.341 min.: Q3453.D\data.ms
CC185-10 (M068)

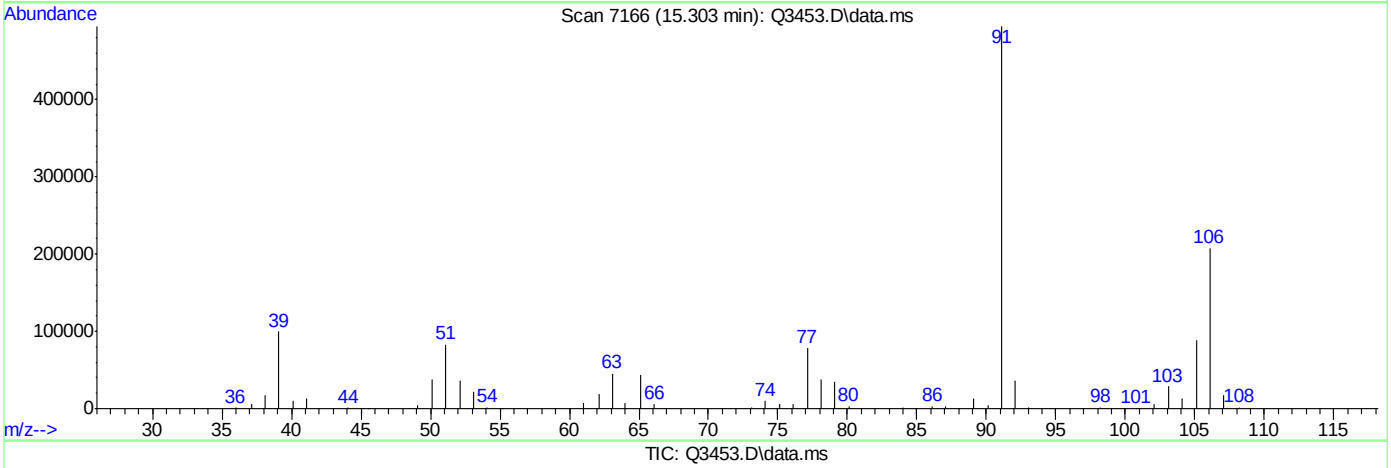
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
94.10	14660	118.70	208	174.00	54988		
95.10	109740	118.90	672	174.95	3801		
96.10	7176	127.80	263	176.00	51940		
102.20	217	129.90	219	176.95	2774		
103.85	841	134.85	435				
104.80	292	140.90	1407				
105.90	743	143.00	2224				
111.90	249	148.00	359				
115.85	524	171.80	218				
116.90	981	172.00	354				
117.90	317	173.05	813				

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3453.D
Acq On : 18 May 2007 4:25 pm
Operator : PhilipB
Sample : CC185-10 (M068)
Misc : MS13593,MSQ188,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 21 09:22:53 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 11:12:42 2007
Response via : Initial Calibration





TIC: Q3453.D\data.ms

(56) m,p-XYLENE (m)

15.303min (-0.021) 8.50PPBV

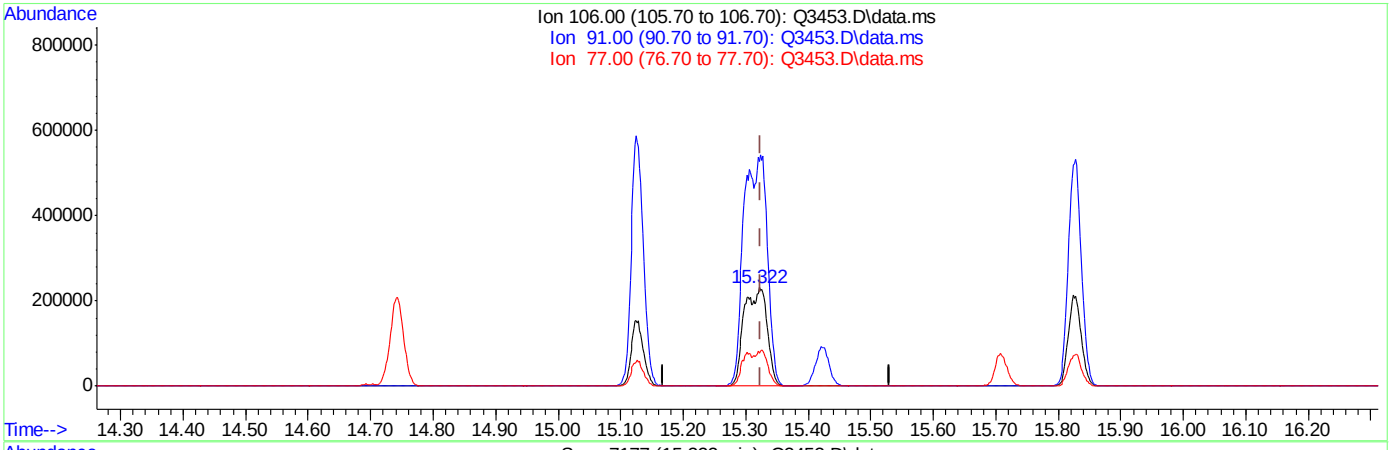
response 262544

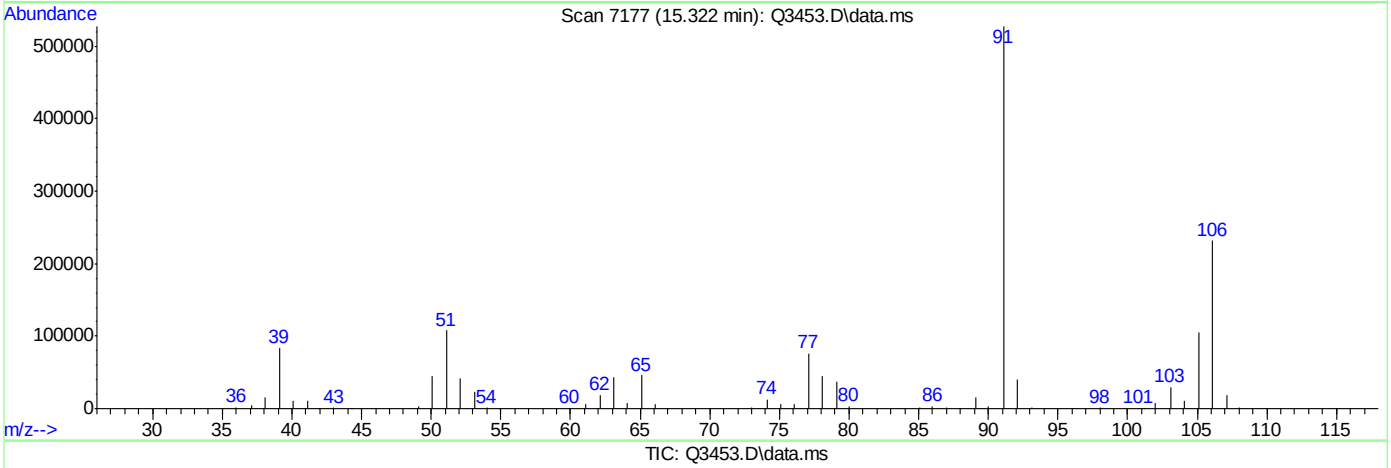
Ion	Exp%	Act%
106.00	100	100
91.00	204.20	237.65
77.00	30.60	37.92#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3453.D
Acq On : 18 May 2007 4:25 pm
Operator : PhilipB
Sample : CC185-10 (M068)
Misc : MS13593,MSQ188,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 21 09:22:53 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 11:12:42 2007
Response via : Initial Calibration





TIC: Q3453.D\data.ms

(56) m,p-XYLENE (m)

15.322min (-0.002) 19.18PPBV m

response 592712

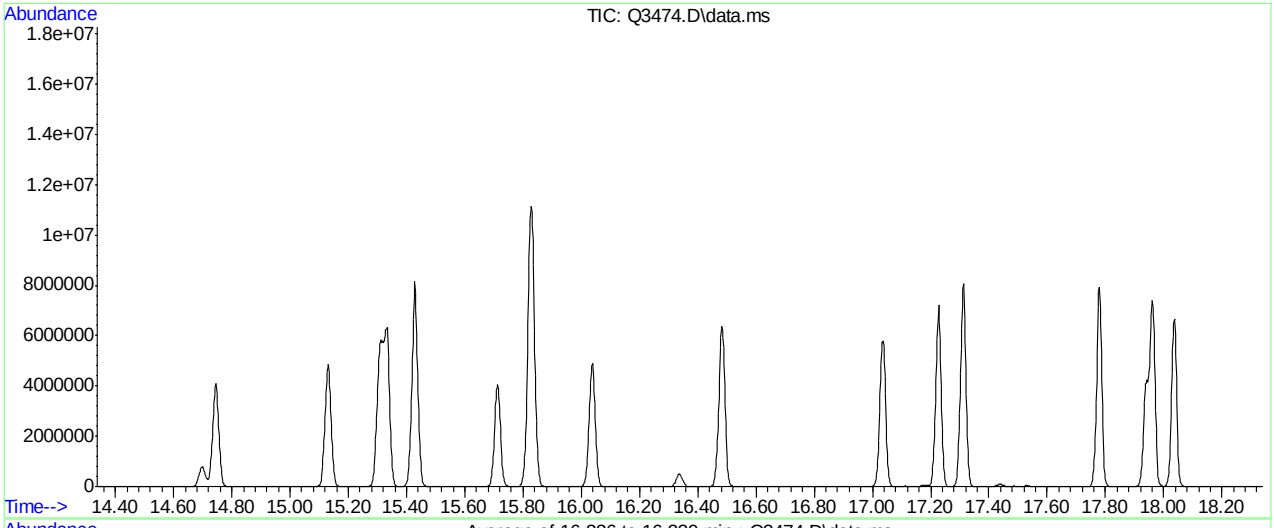
Ion	Exp%	Act%
106.00	100	100
91.00	204.20	227.75
77.00	30.60	32.92
0.00	0.00	0.00

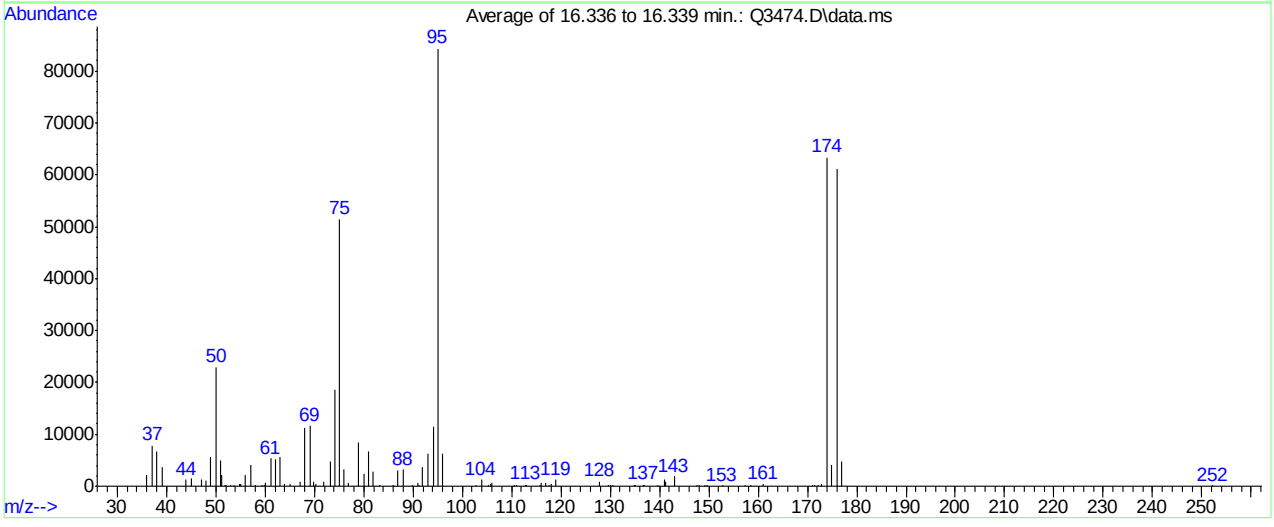
BFB

Data File : C:\msdchem\1\DATA\Q3474.D
Acq On : 21 May 2007 5:28 pm
Sample : IC189-40 (M060)
Misc : MS13602,MSQ189,,,,,1
MS Integration Params: LSCINT.P

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

Method : C:\msdchem\1\METHODS\Q052107T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um





Spectrum Information: Average of 16.336 to 16.339 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	27.2	22954	PASS
75	95	30	66	61.1	51517	PASS
95	95	100	100	100.0	84362	PASS
96	95	5	9	7.3	6194	PASS
173	174	0.00	2	0.5	333	PASS
174	95	50	120	75.1	63384	PASS
175	174	4	9	6.4	4070	PASS
176	174	93	101	96.4	61098	PASS
177	176	5	9	7.7	4693	PASS

Q3474.D Q052107T.m Tue May 22 09:37:26 2007 RPT1

Average of 16.336 to 16.339 min.: Q3474.D\data.ms
IC189-40 (M060)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.95	2204	51.20	2255	59.80	237	70.20	363
37.10	7885	51.90	215	59.95	654	71.90	846
38.10	6729	52.10	173	61.10	5316	73.15	4665
39.15	3649	53.10	193	62.10	5181	74.10	18538
44.00	1213	53.70	175	63.05	5593	75.10	51517
45.10	1479	54.85	497	63.90	408	76.05	3209
47.05	1225	55.10	470	65.05	476	76.90	667
48.00	1176	56.05	2272	67.00	789	78.95	8470
49.00	5616	57.05	4174	68.10	11252	80.00	2396
50.10	22954	57.90	197	69.05	11642	80.95	6667
51.00	4890	59.30	264	69.90	886	81.95	2750

Average of 16.336 to 16.339 min.: Q3474.D\data.ms
IC189-40 (M060)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
83.30	141	96.05	6194	116.05	672	136.70	265
85.90	181	102.80	231	116.80	691	136.90	266
86.95	3087	103.85	1283	117.50	144	139.70	269
87.95	3214	105.20	324	118.05	402	140.90	1208
89.90	224	105.70	501	118.95	1208	141.20	921
90.90	712	105.95	638	127.90	897	142.95	1945
91.20	290	110.60	288	129.70	264	147.70	173
91.95	3593	111.00	235	130.00	206	148.10	137
93.05	6212	112.70	142	130.60	144	149.10	189
94.10	11544	113.00	297	134.80	155	149.70	203
95.05	84362	115.80	267	135.10	172	152.80	206

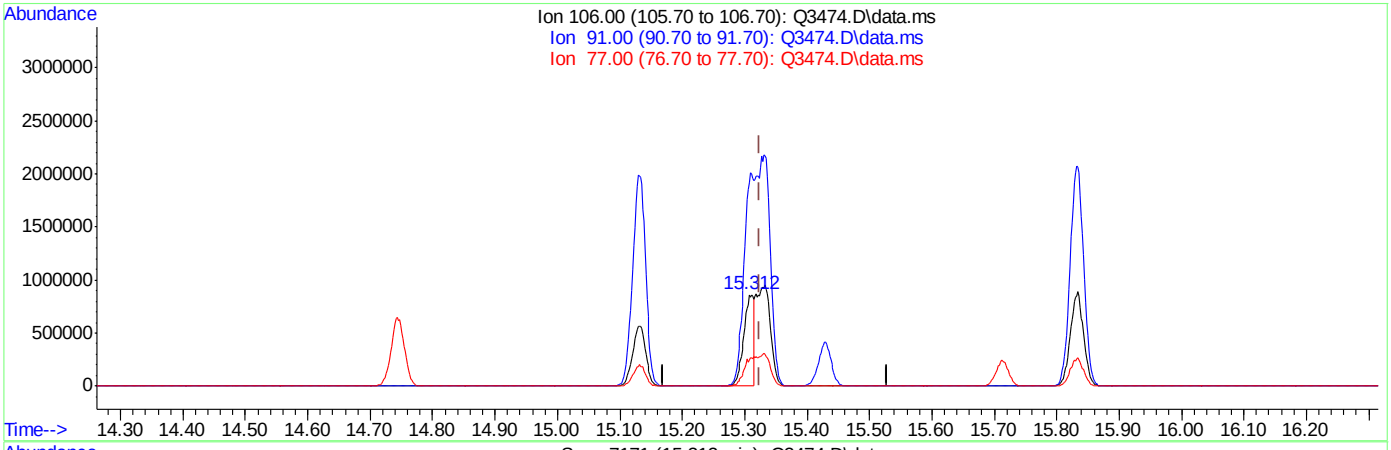
Average of 16.336 to 16.339 min.: Q3474.D\data.ms
IC189-40 (M060)

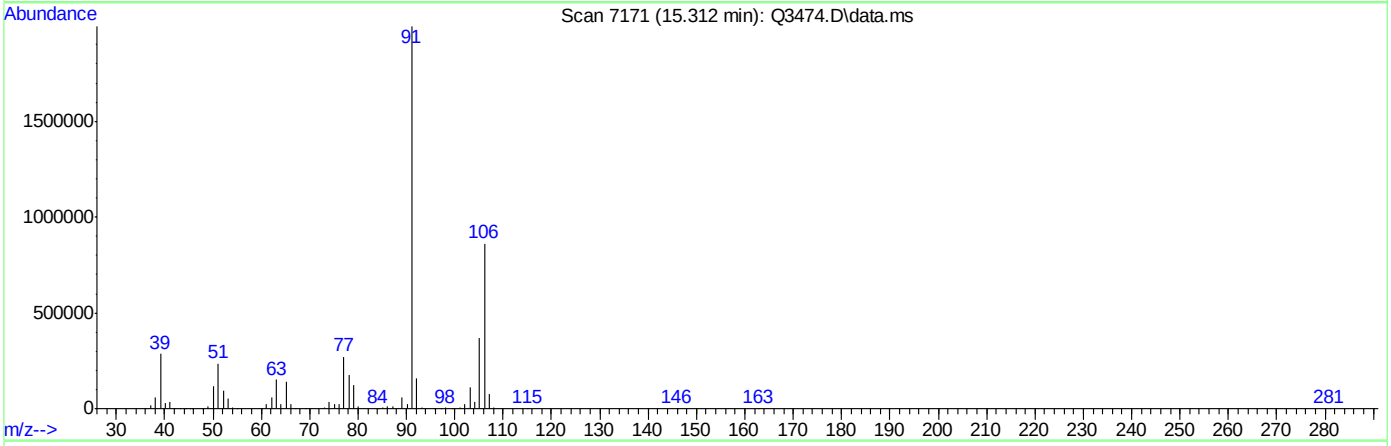
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
157.40	148	252.20	151				
158.60	161						
161.10	356						
171.00	205						
171.50	205						
172.10	260						
172.90	333						
174.00	63384						
174.95	4070						
175.95	61098						
176.95	4693						

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3474.D
Acq On : 21 May 2007 5:28 pm
Operator : PhilipB
Sample : IC189-40 (M060)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 22 09:18:49 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:18:43 2007
Response via : Initial Calibration





TIC: Q3474.D\data.ms

(56) m,p-XYLENE (m)

15.312min (-0.013) 43.61PPBV

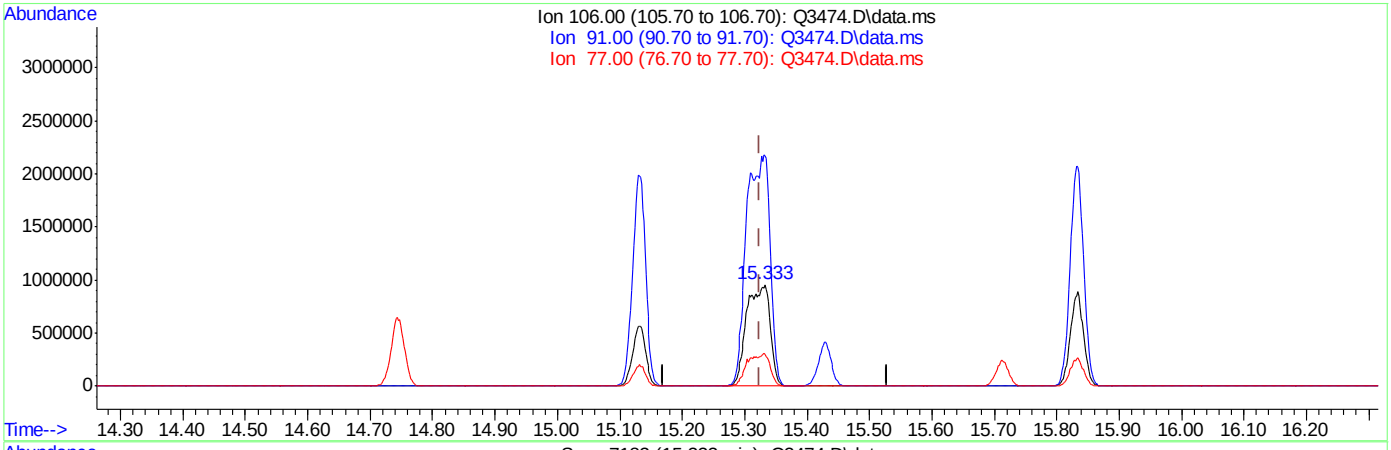
response 980741

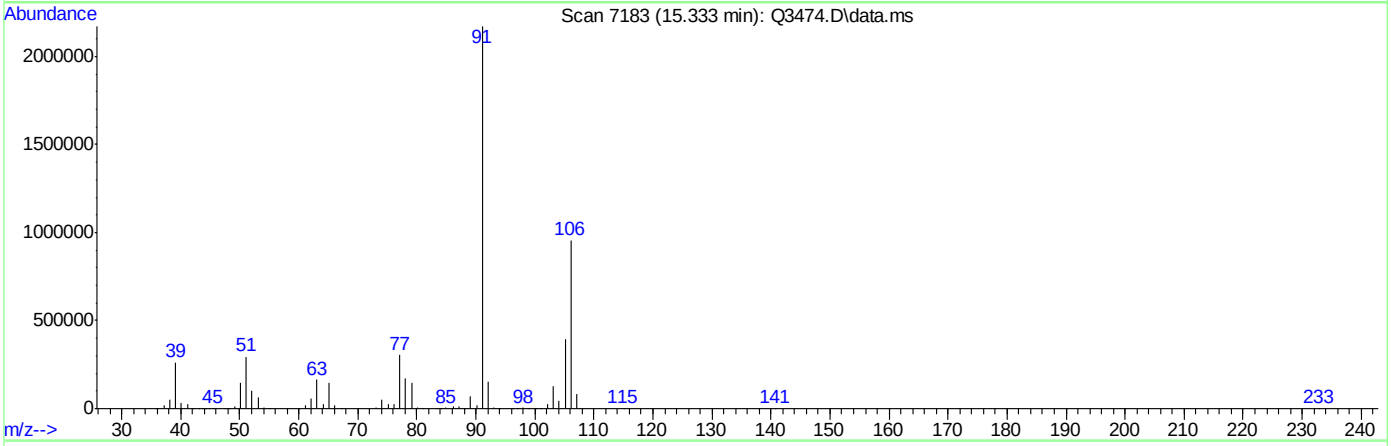
Ion	Exp%	Act%
106.00	100	100
91.00	204.20	231.51
77.00	30.60	31.54
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3474.D
Acq On    : 21 May 2007   5:28 pm
Operator  : PhilipB
Sample    : IC189-40 (M060)
Misc      : MS13602,MSQ189,,,,,1
ALS Vial  : 3   Sample Multiplier: 1

Quant Time: May 22 09:18:49 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:18:43 2007
Response via : Initial Calibration
```



TIC: Q3474.D\data.ms

(56) m,p-XYLENE (m)

15.333min (+0.009) 110.64PPBV m

response 2488248

Ion	Exp%	Act%
106.00	100	100
91.00	204.20	227.27
77.00	30.60	31.75
0.00	0.00	0.00

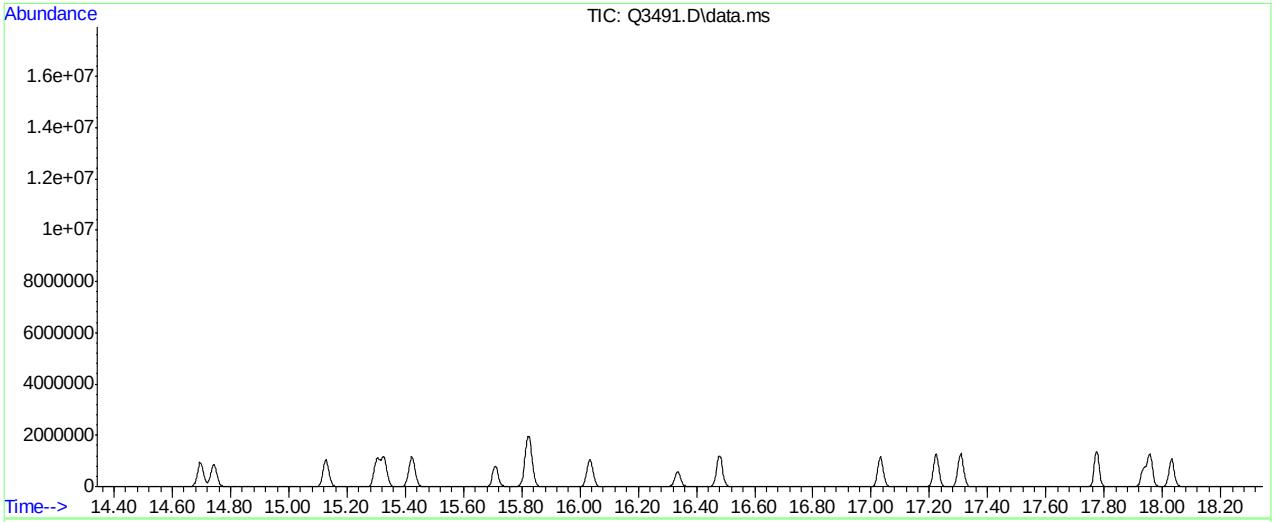
ACCUTEST Laboratories M64940

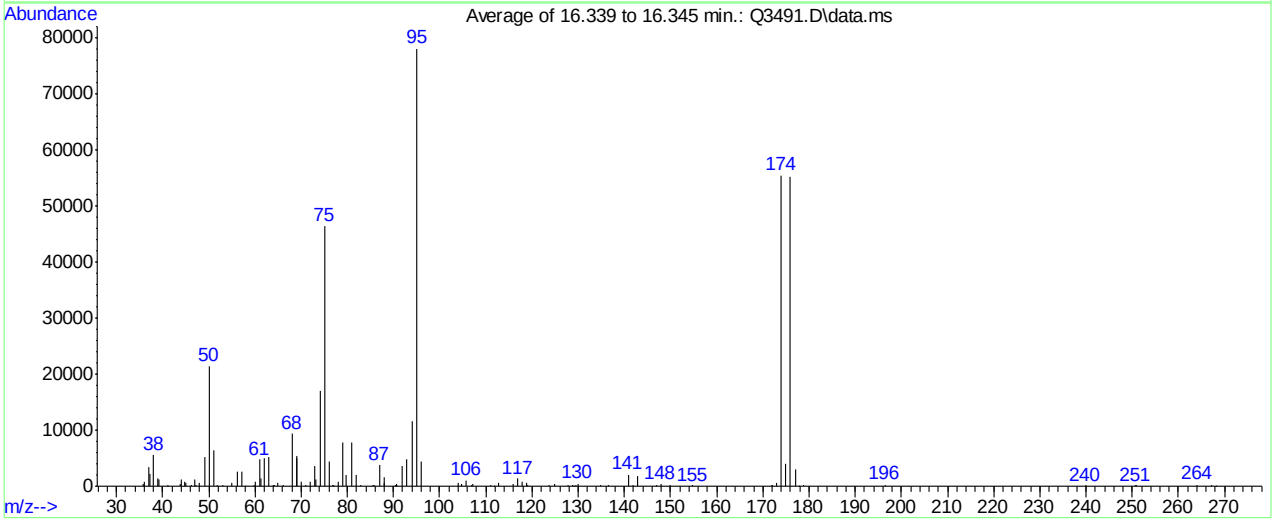
BFB

Data File : C:\msdchem\1\DATA\Q3491.D
Acq On : 22 May 2007 6:00 pm
Sample : CC189-10 (M068)
Misc : MS13602,MSQ190,,,,,1
MS Integration Params: LSCINT.P

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

Method : C:\msdchem\1\METHODS\Q052107T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um





Spectrum Information: Average of 16.339 to 16.345 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	27.4	21414	PASS
75	95	30	66	59.5	46502	PASS
95	95	100	100	100.0	78124	PASS
96	95	5	9	5.7	4471	PASS
173	174	0.00	2	1.2	659	PASS
174	95	50	120	71.0	55470	PASS
175	174	4	9	7.2	3973	PASS
176	174	93	101	99.5	55192	PASS
177	176	5	9	5.5	3057	PASS

Q3491.D Q052107T.m Wed May 23 09:58:53 2007 RPT1

Average of 16.339 to 16.345 min.: Q3491.D\data.ms
CC189-10 (M068)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.90	325	44.90	724	54.90	620	64.30	177
36.00	115	45.10	586	56.10	2543	65.00	625
36.15	854	46.20	113	57.05	2633	66.10	122
37.00	3479	47.05	1233	57.90	102	68.05	9362
37.15	2258	47.30	272	59.80	129	69.00	5484
38.05	5575	47.90	638	60.05	755	69.15	5077
39.00	1415	49.05	5233	61.00	4748	70.10	827
39.15	1145	50.10	21414	61.20	1454	70.90	184
41.10	116	51.10	6503	62.05	5099	72.05	757
43.90	442	51.90	115	63.05	5273	73.05	3674
44.05	1149	53.00	128	63.90	241	73.30	1231

Average of 16.339 to 16.345 min.: Q3491.D\data.ms
CC189-10 (M068)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
74.05	17092	85.50	186	95.10	78124	117.00	1352
75.10	46502	85.70	217	96.05	4471	117.90	840
76.10	4506	86.95	3717	103.90	637	118.75	581
76.80	158	87.90	585	104.85	371	119.00	189
77.00	125	88.10	1520	105.80	1040	123.70	141
78.05	735	90.50	139	106.90	240	125.00	318
78.95	7845	90.60	114	107.10	320	127.80	295
79.85	2076	90.75	345	111.10	209	128.90	181
80.95	7734	92.00	3605	111.70	107	129.10	107
82.00	1951	92.95	4901	112.80	518	129.60	112
82.80	148	94.05	11614	115.95	373	129.95	435

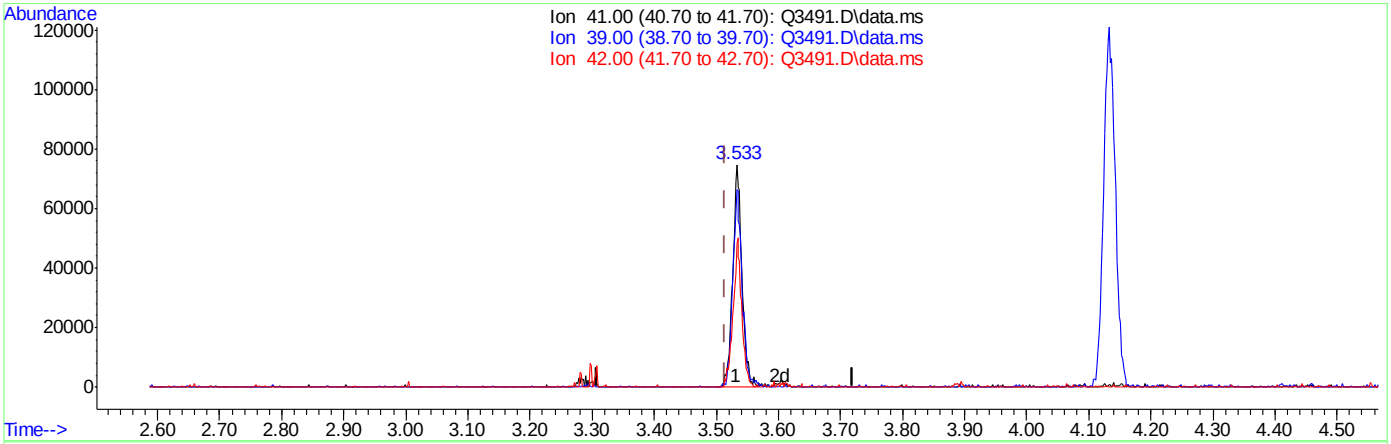
Average of 16.339 to 16.345 min.: Q3491.D\data.ms
CC189-10 (M068)

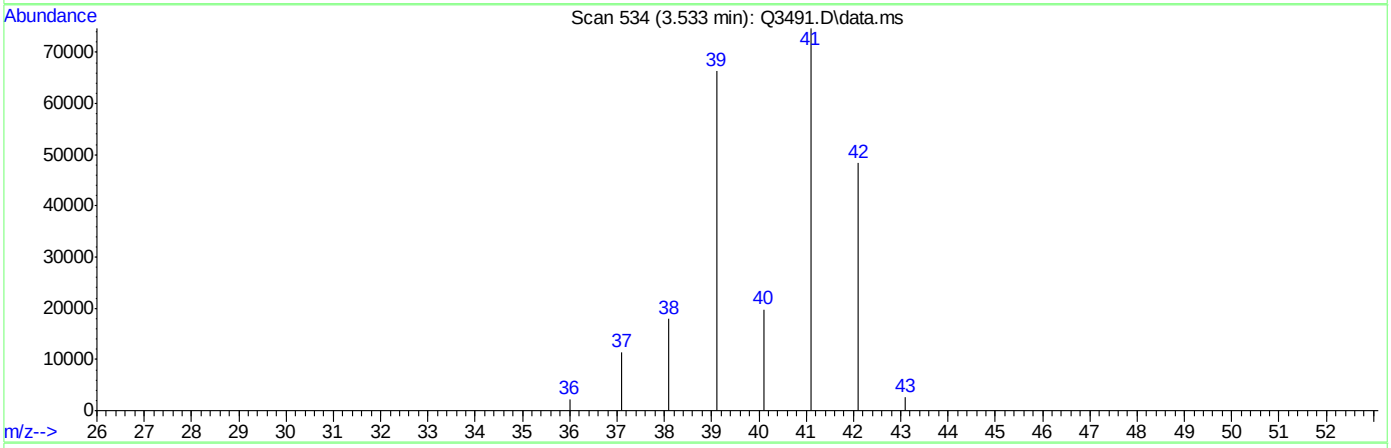
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
134.80	110	172.95	659	264.10	219		
136.60	125	174.00	55470	267.10	142		
140.90	2081	174.95	3973	268.10	100		
142.00	146	176.00	55192				
142.95	1757	177.05	3057				
146.90	222	177.90	101				
147.85	338	178.70	155				
149.90	160	196.40	209				
154.80	115	239.90	166				
171.90	284	250.70	114				
172.10	156	251.00	110				

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3491.D
Acq On : 22 May 2007 6:00 pm
Operator : PhilipB
Sample : CC189-10 (M068)
Misc : MS13602,MSQ190,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 23 09:40:15 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:36:34 2007
Response via : Initial Calibration





TIC: Q3491.D\data.ms

(3) PROPYLENE (m)

3.533min (+0.019) 6.61PPBV

response 82238

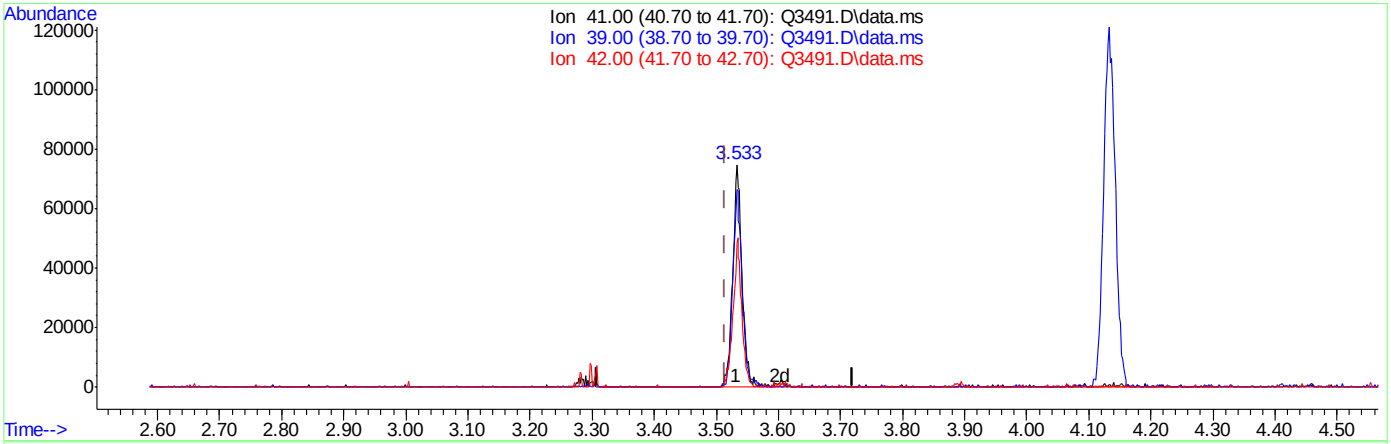
Ion	Exp%	Act%
41.00	100	100
39.00	90.30	88.85
42.00	56.70	64.73
0.00	0.00	0.00

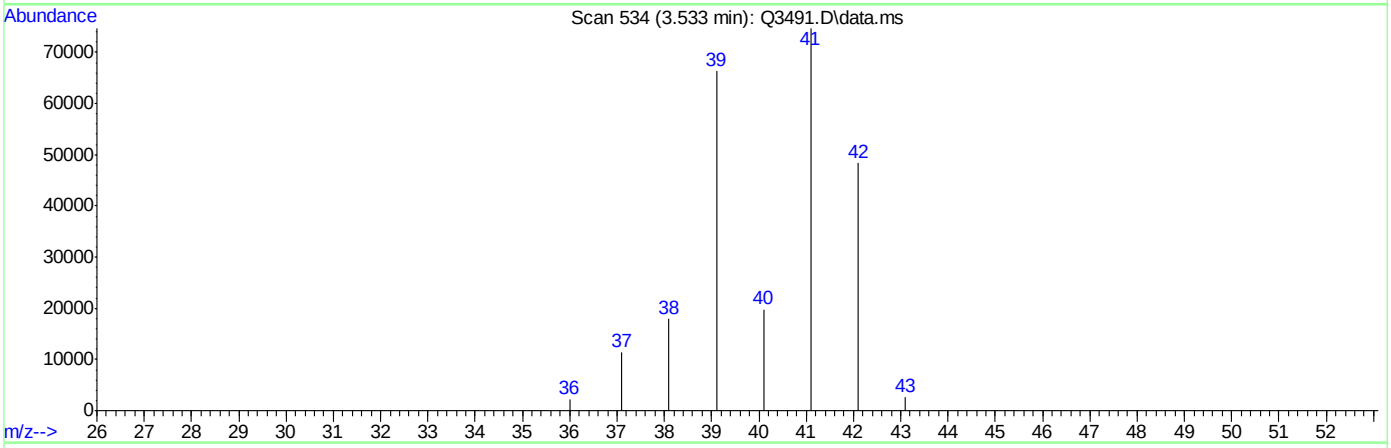
ACCUTEST Laboratories M64940

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3491.D
Acq On : 22 May 2007 6:00 pm
Operator : PhilipB
Sample : CC189-10 (M068)
Misc : MS13602,MSQ190,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 23 09:40:15 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:36:34 2007
Response via : Initial Calibration





TIC: Q3491.D\data.ms

(3) PROPYLENE (m)

3.533min (+0.019) 7.15PPBV m

response 88898

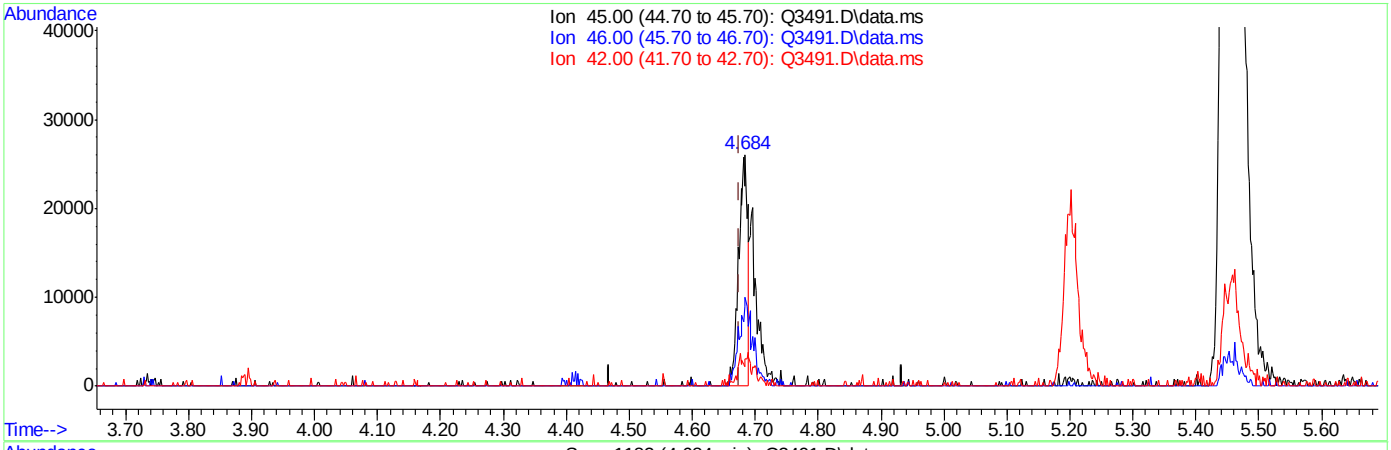
Ion	Exp%	Act%
41.00	100	100
39.00	90.30	88.85
42.00	56.70	64.73
0.00	0.00	0.00

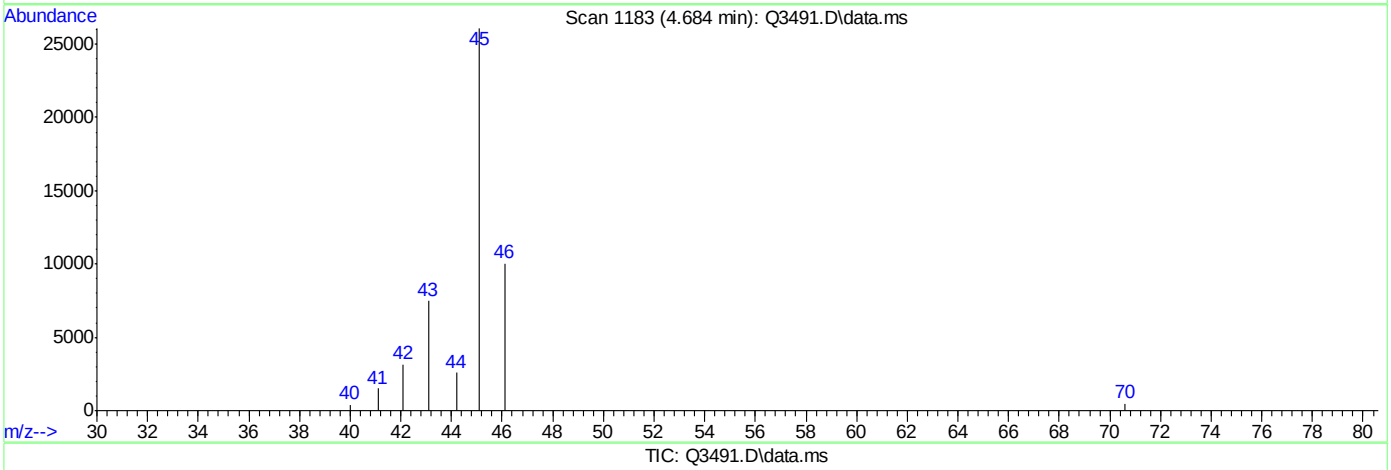
ACCUTEST Laboratories M64940

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3491.D
Acq On : 22 May 2007 6:00 pm
Operator : PhilipB
Sample : CC189-10 (M068)
Misc : MS13602,MSQ190,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 23 09:40:47 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:36:34 2007
Response via : Initial Calibration





TIC: Q3491.D\data.ms

(16) ETHANOL (m)

4.684min (+0.009) 5.10PPBV

response 26759

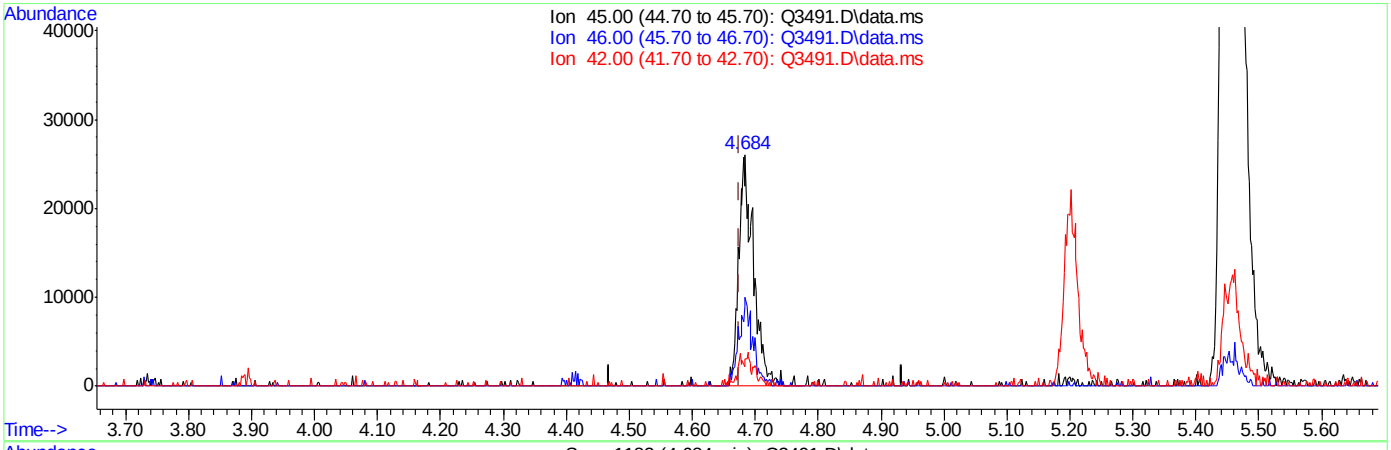
Ion	Exp%	Act%
45.00	100	100
46.00	0.00	57.80#
42.00	0.00	6.66
0.00	0.00	0.00

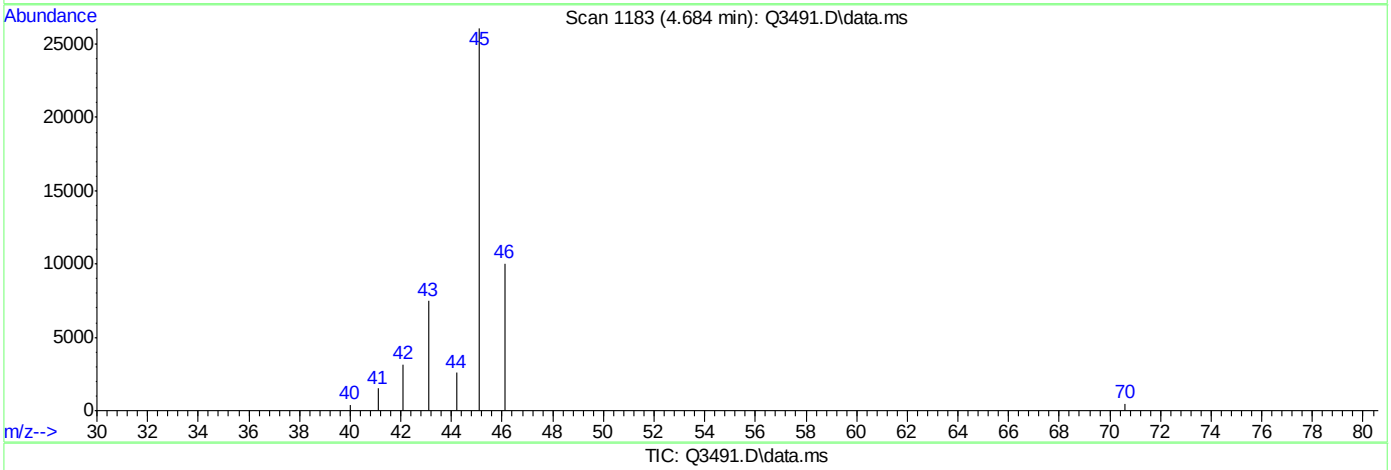
ACCUTEST Laboratories M64940

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3491.D
Acq On : 22 May 2007 6:00 pm
Operator : PhilipB
Sample : CC189-10 (M068)
Misc : MS13602,MSQ190,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 23 09:40:47 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:36:34 2007
Response via : Initial Calibration





TIC: Q3491.D\data.ms

(16) ETHANOL (m)

4.684min (+0.009) 8.47PPBV m

response 44429

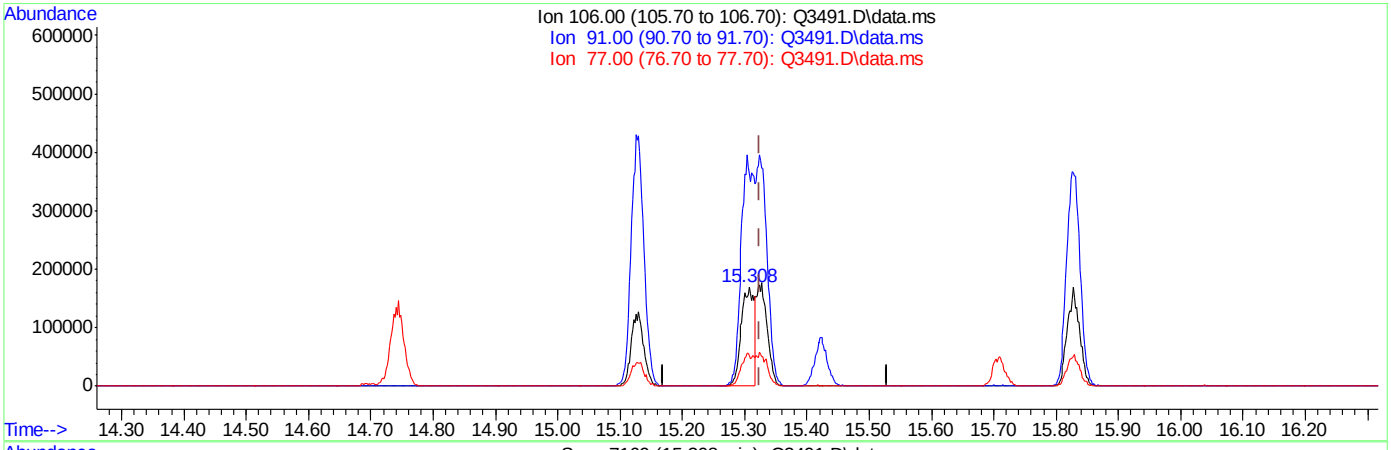
Ion	Exp%	Act%
45.00	100	100
46.00	0.00	34.81#
42.00	0.00	4.01
0.00	0.00	0.00

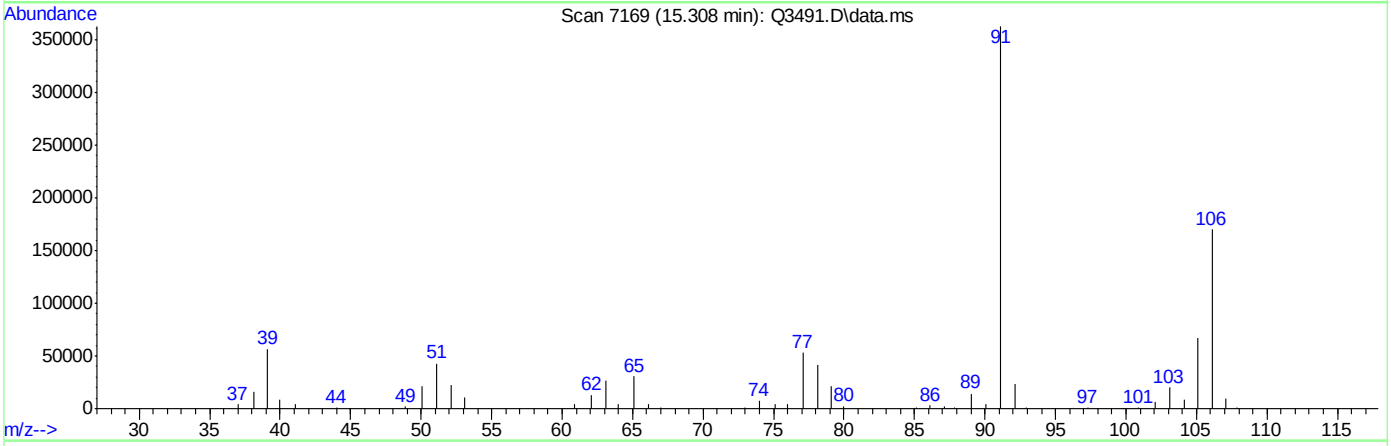
ACCUTEST Laboratories M64940

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3491.D
Acq On : 22 May 2007 6:00 pm
Operator : PhilipB
Sample : CC189-10 (M068)
Misc : MS13602,MSQ190,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 23 09:40:47 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:36:34 2007
Response via : Initial Calibration





TIC: Q3491.D\data.ms

(56) m,p-XYLENE (m)

15.308min (-0.016) 9.76PPBV

response 249289

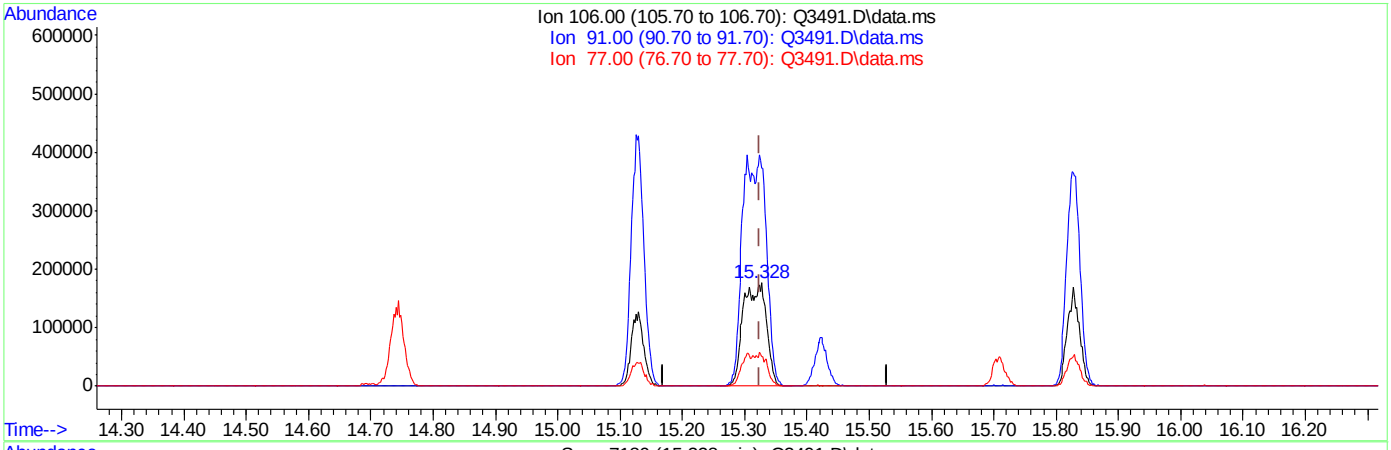
Ion	Exp%	Act%
106.00	100	100
91.00	204.20	213.74
77.00	30.60	31.28
0.00	0.00	0.00

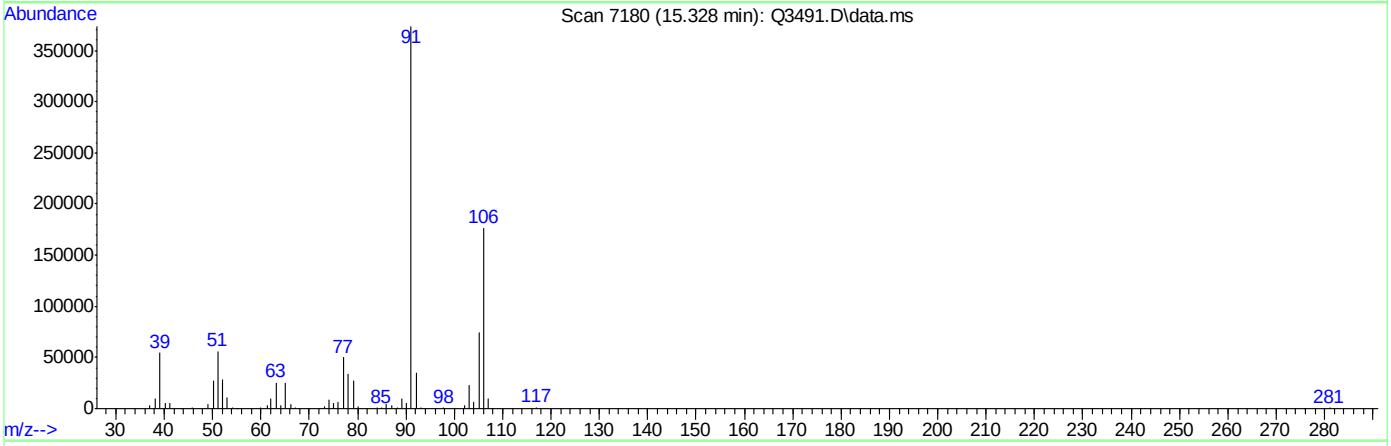
ACCUTEST Laboratories M64940

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3491.D
Acq On : 22 May 2007 6:00 pm
Operator : PhilipB
Sample : CC189-10 (M068)
Misc : MS13602,MSQ190,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 23 09:40:47 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:36:34 2007
Response via : Initial Calibration





TIC: Q3491.D\data.ms

(56) m,p-XYLENE (m)

15.328min (+0.004) 17.89PPBV m

response 456957

Ion	Exp%	Act%
106.00	100	100
91.00	204.20	211.72
77.00	30.60	28.52
0.00	0.00	0.00

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

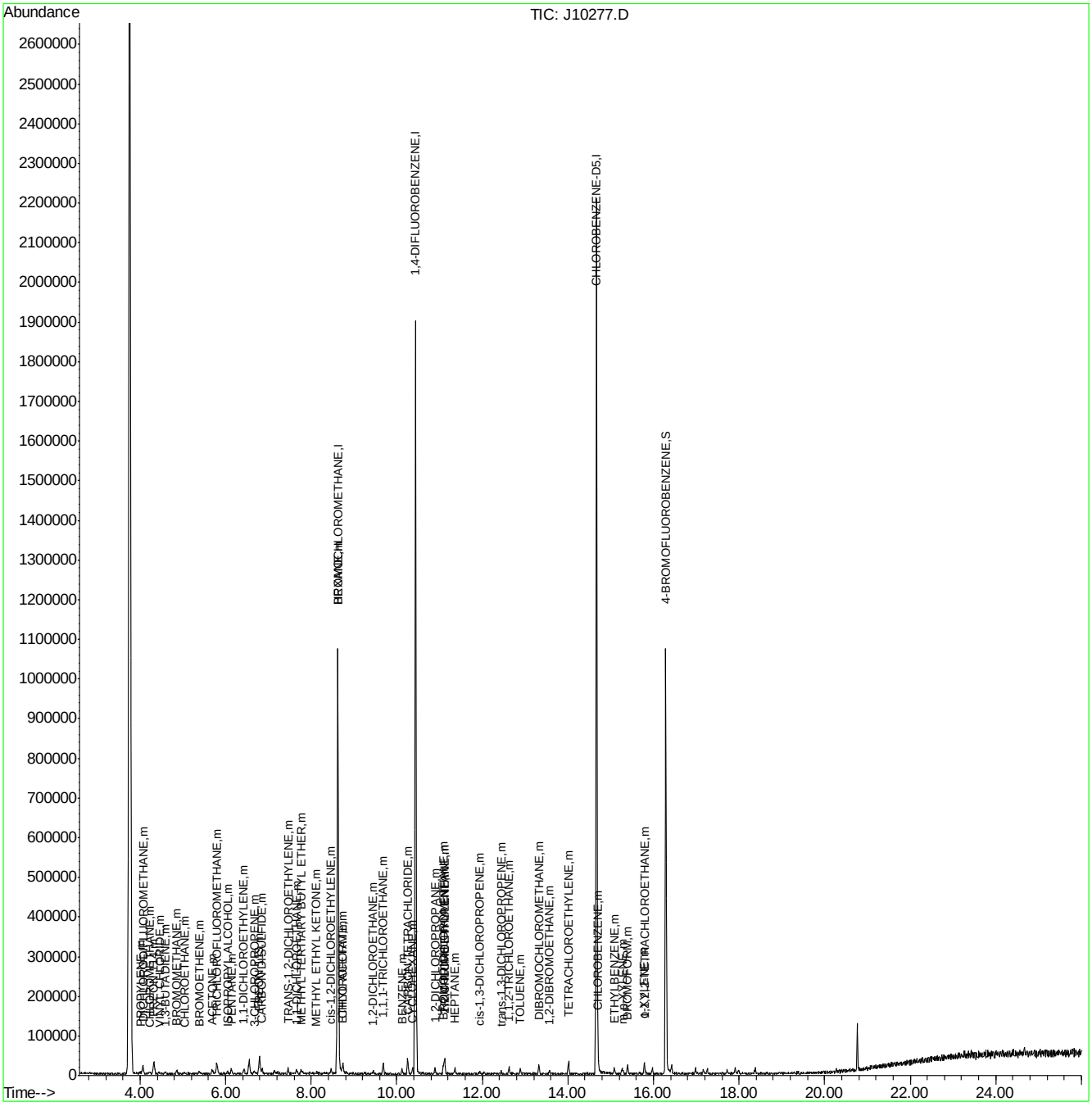
6.7.1

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



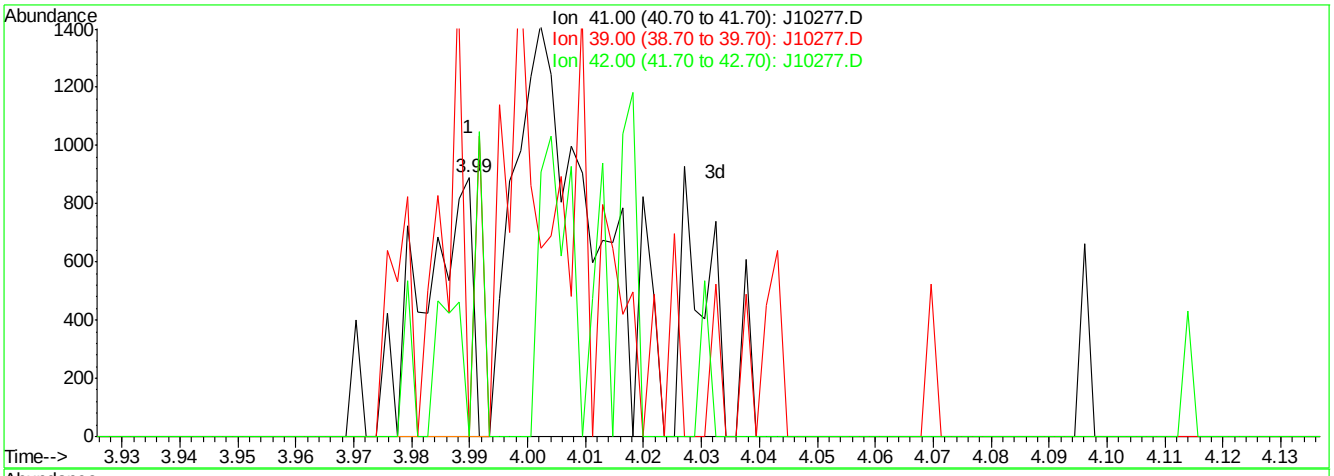
ACCUTEST Laboratories
M64940

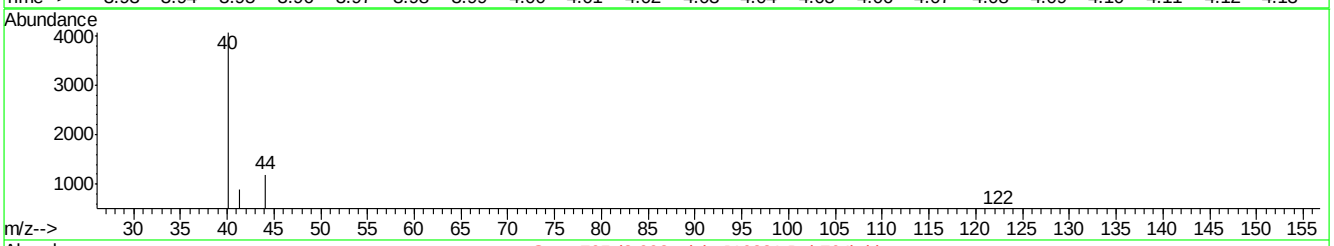
Quantitation Report (Qedit)

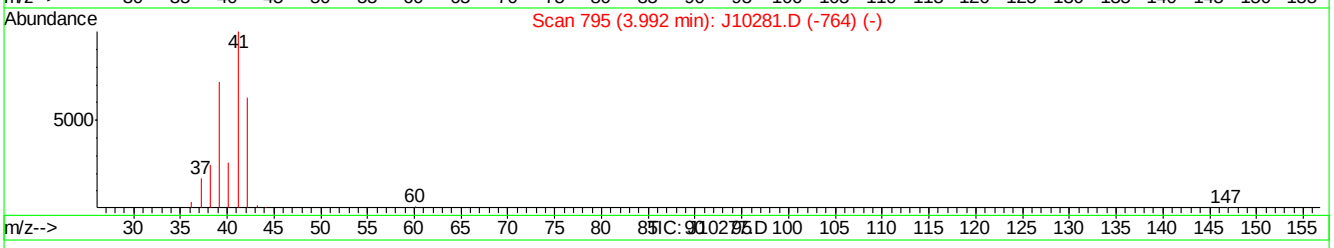
Data File : C:\MSDChem\1\data\J10277.D Vial: 2
Acq On : 9 May 2007 6:39 pm Operator: danat
Sample : IC533-0.2 (M058) Inst : MSJ
Misc : MS13434, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

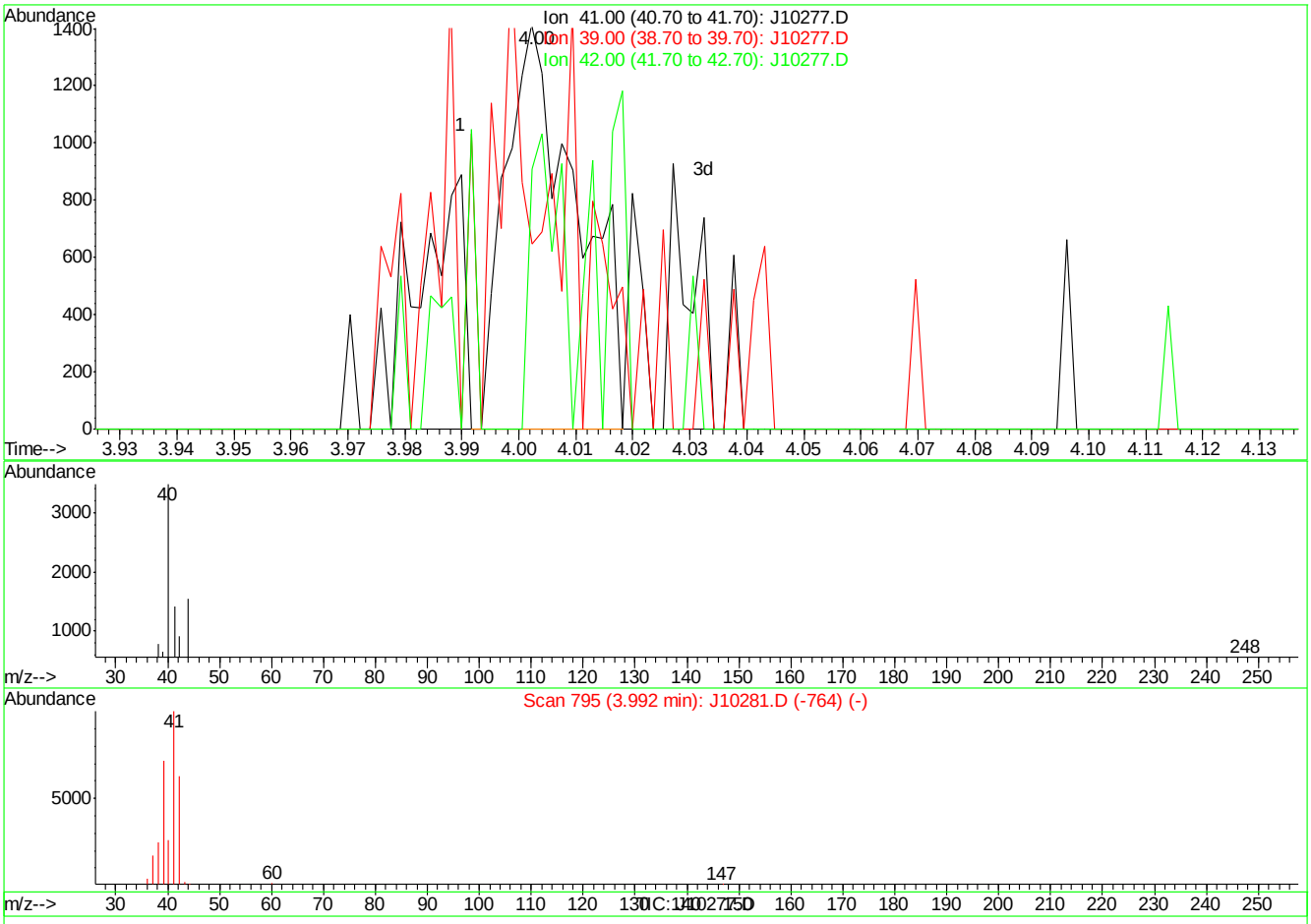
J10277.D J050907T.M Thu May 10 08:35:35 2007

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

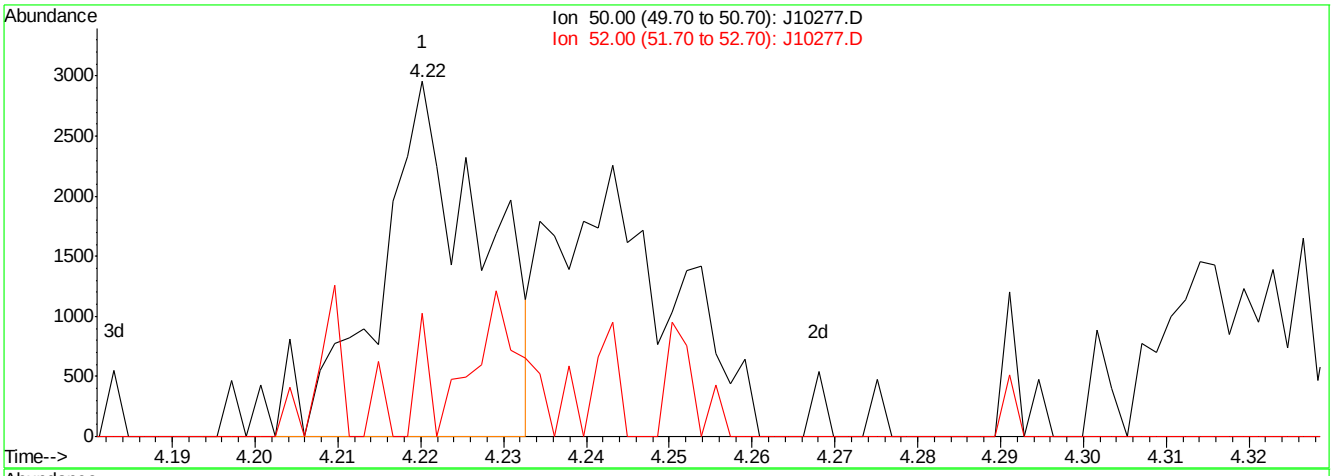
J10277.D J050907T.M Thu May 10 08:35:44 2007

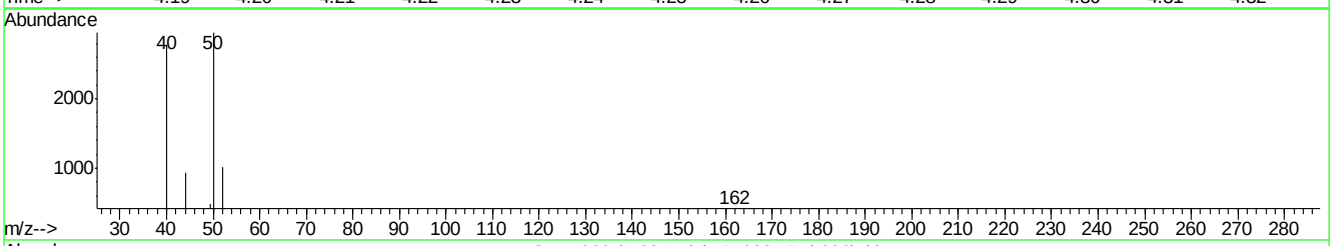
Quantitation Report (Qedit)

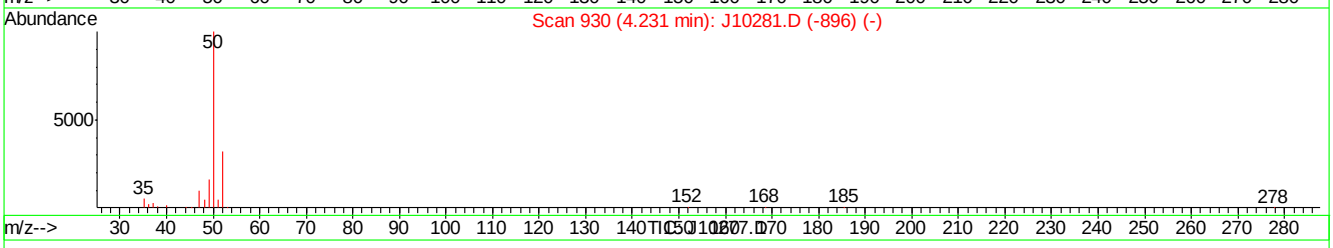
Data File : C:\MSDChem\1\data\J10277.D Vial: 2
Acq On : 9 May 2007 6:39 pm Operator: danat
Sample : IC533-0.2 (M058) Inst : MSJ
Misc : MS13434, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

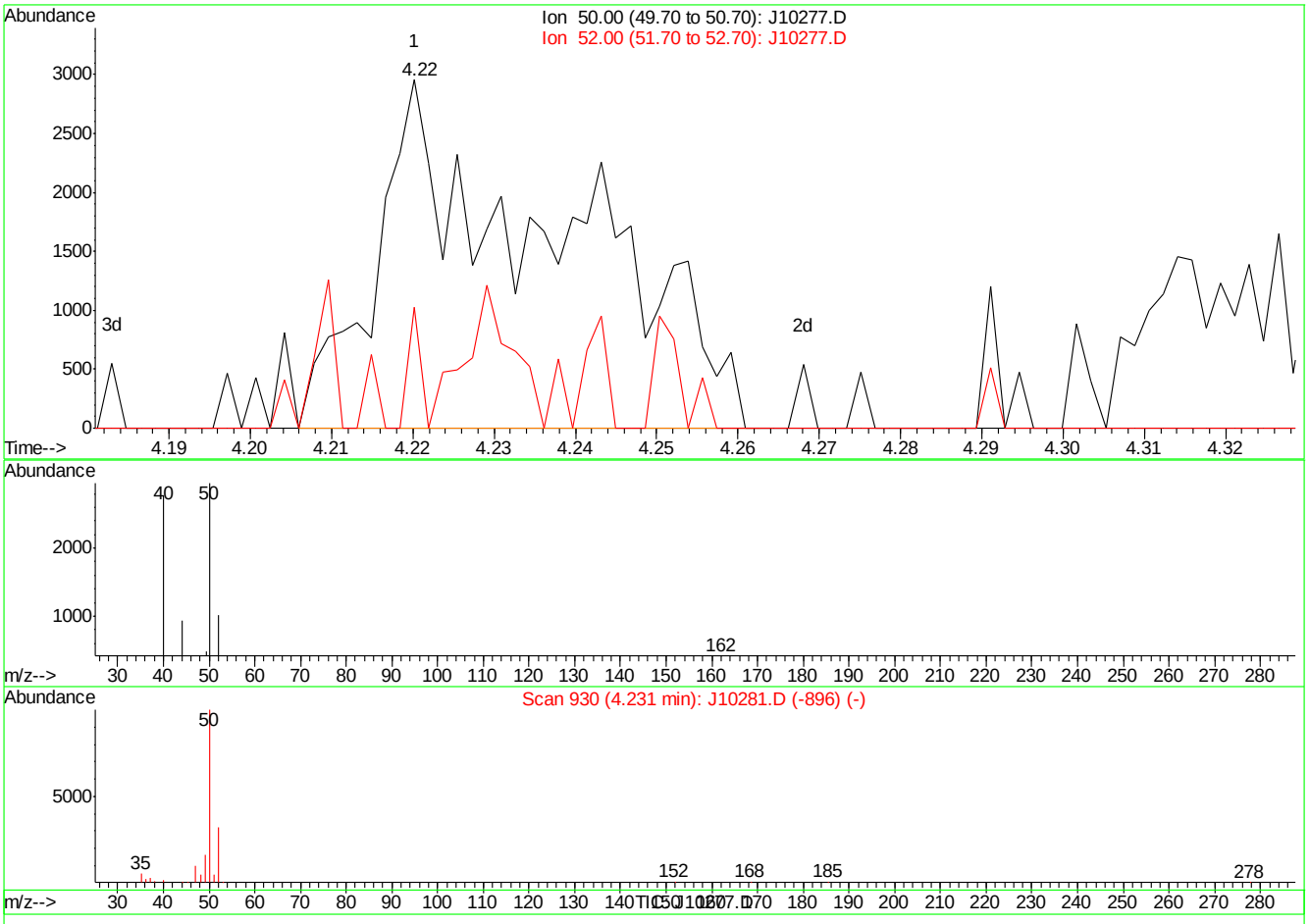
J10277.D J050907T.M Thu May 10 08:35:58 2007

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

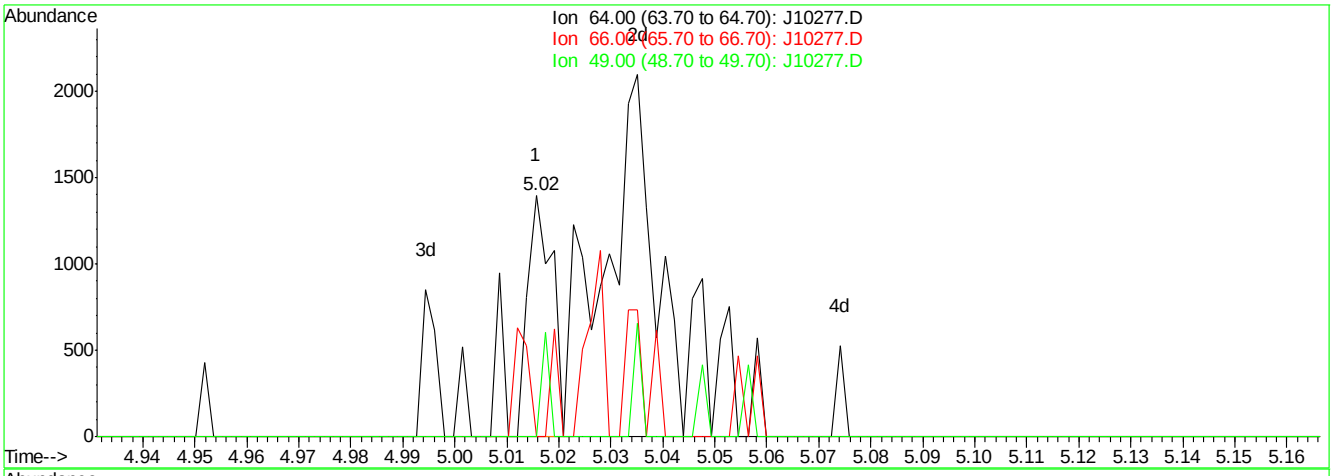
J10277.D J050907T.M Thu May 10 08:36:03 2007

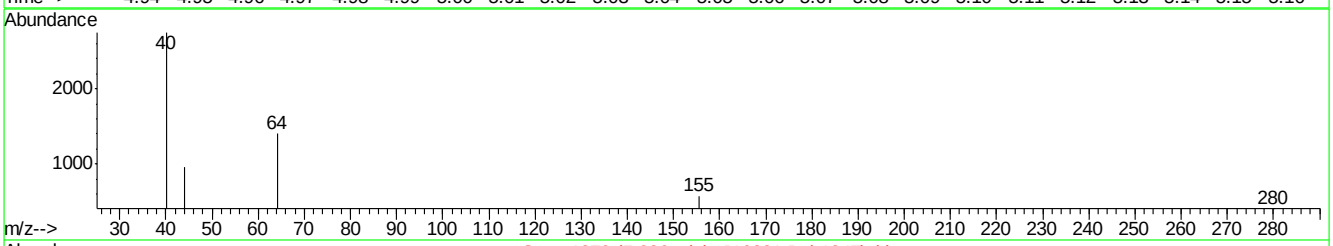
Quantitation Report (Qedit)

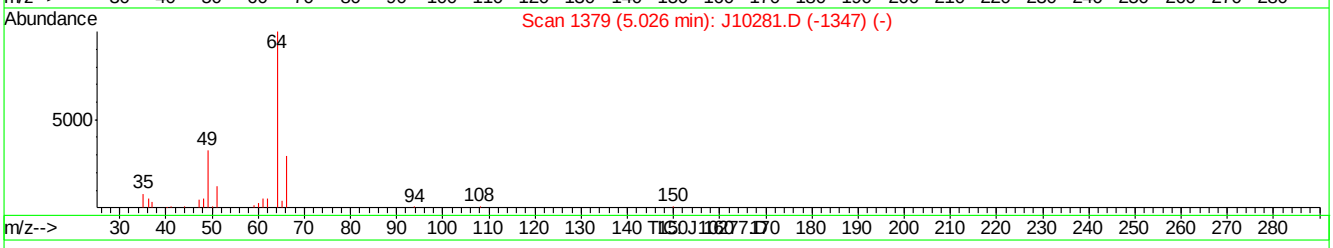
Data File : C:\MSDChem\1\data\J10277.D Vial: 2
Acq On : 9 May 2007 6:39 pm Operator: danat
Sample : IC533-0.2 (M058) Inst : MSJ
Misc : MS13434, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

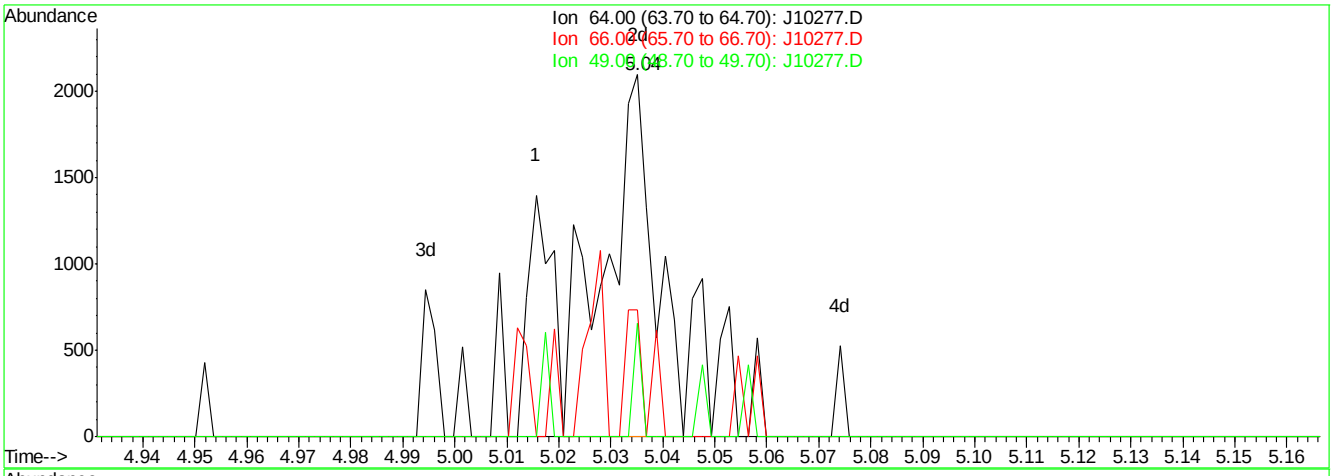
J10277.D J050907T.M Thu May 10 08:36:16 2007

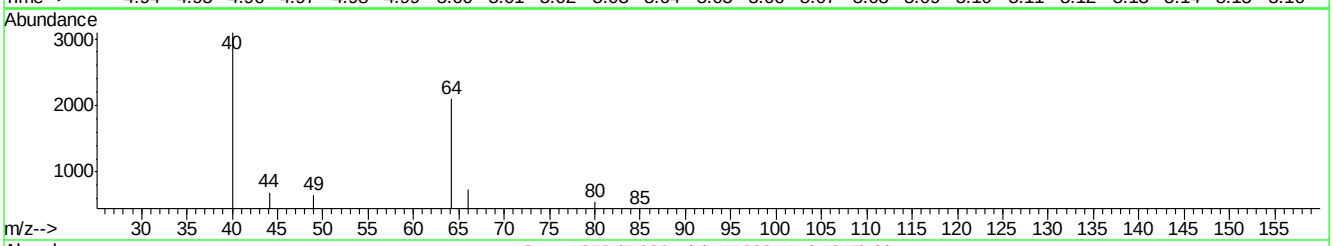
Quantitation Report (Qedit)

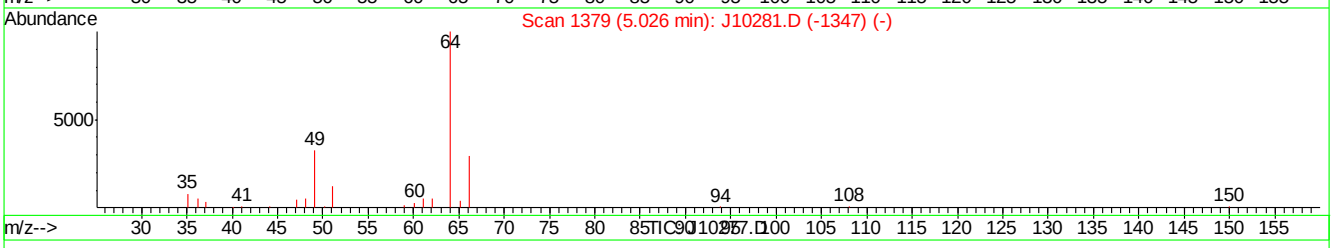
Data File : C:\MSDChem\1\data\J10277.D Vial: 2
Acq On : 9 May 2007 6:39 pm Operator: danat
Sample : IC533-0.2 (M058) Inst : MSJ
Misc : MS13434, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

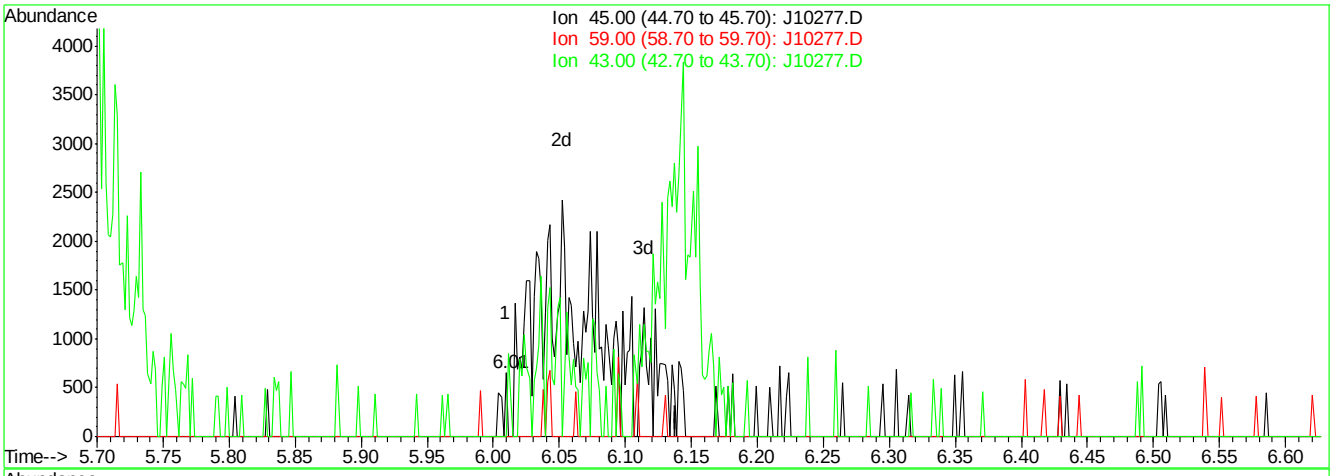
J10277.D J050907T.M Thu May 10 08:36:22 2007

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

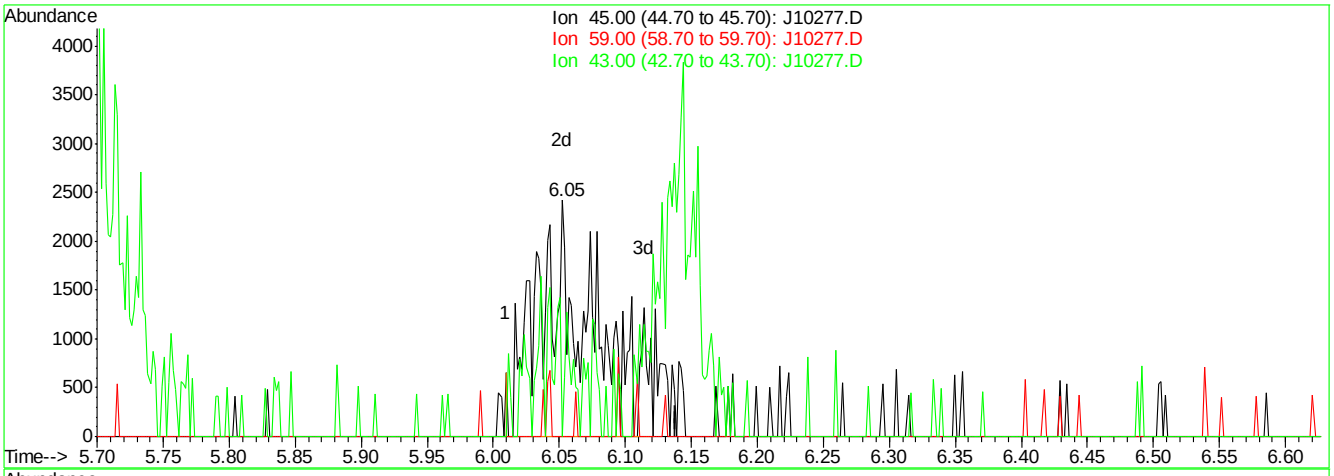
J10277.D J050907T.M Thu May 10 08:36:30 2007

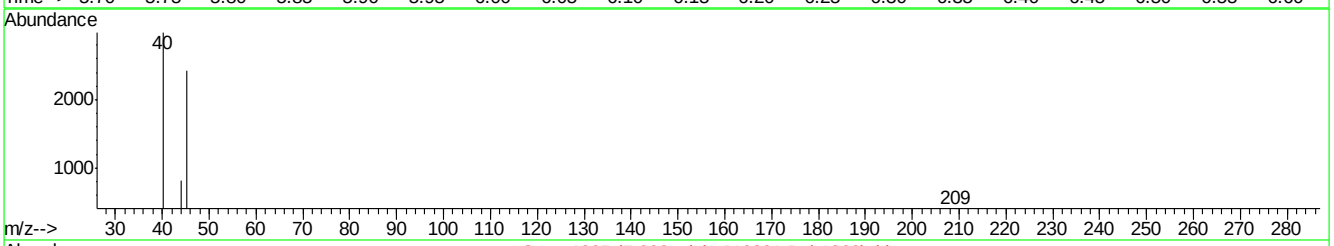
Quantitation Report (Qedit)

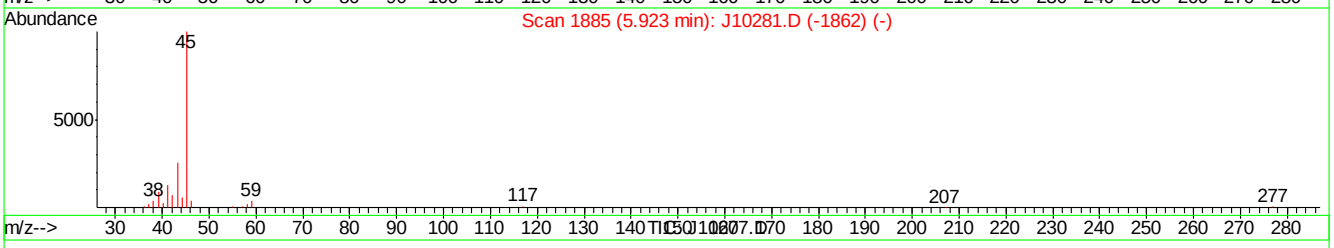
Data File : C:\MSDChem\1\data\J10277.D Vial: 2
Acq On : 9 May 2007 6:39 pm Operator: danat
Sample : IC533-0.2 (M058) Inst : MSJ
Misc : MS13434, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

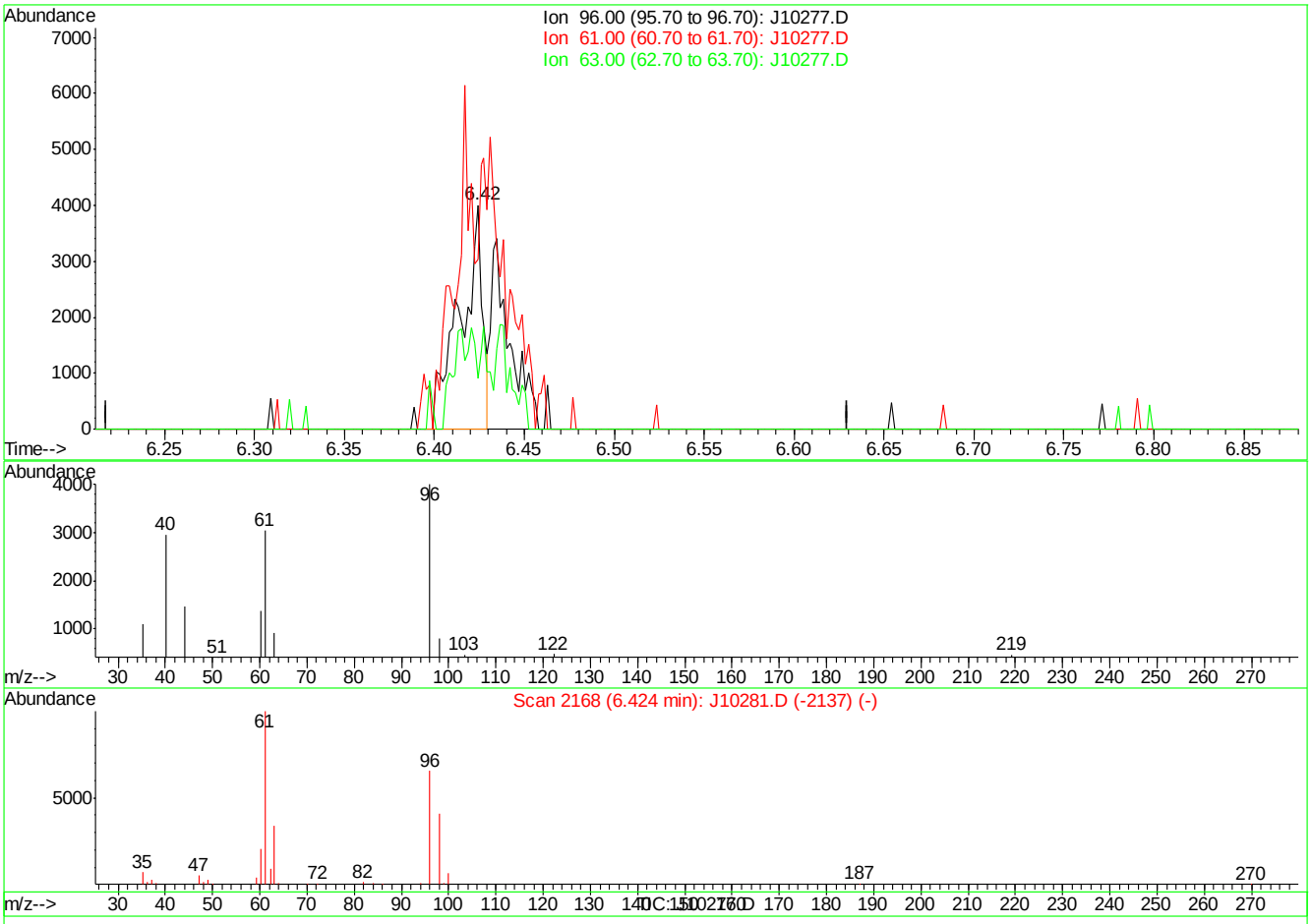
J10277.D J050907T.M Thu May 10 08:36:36 2007

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

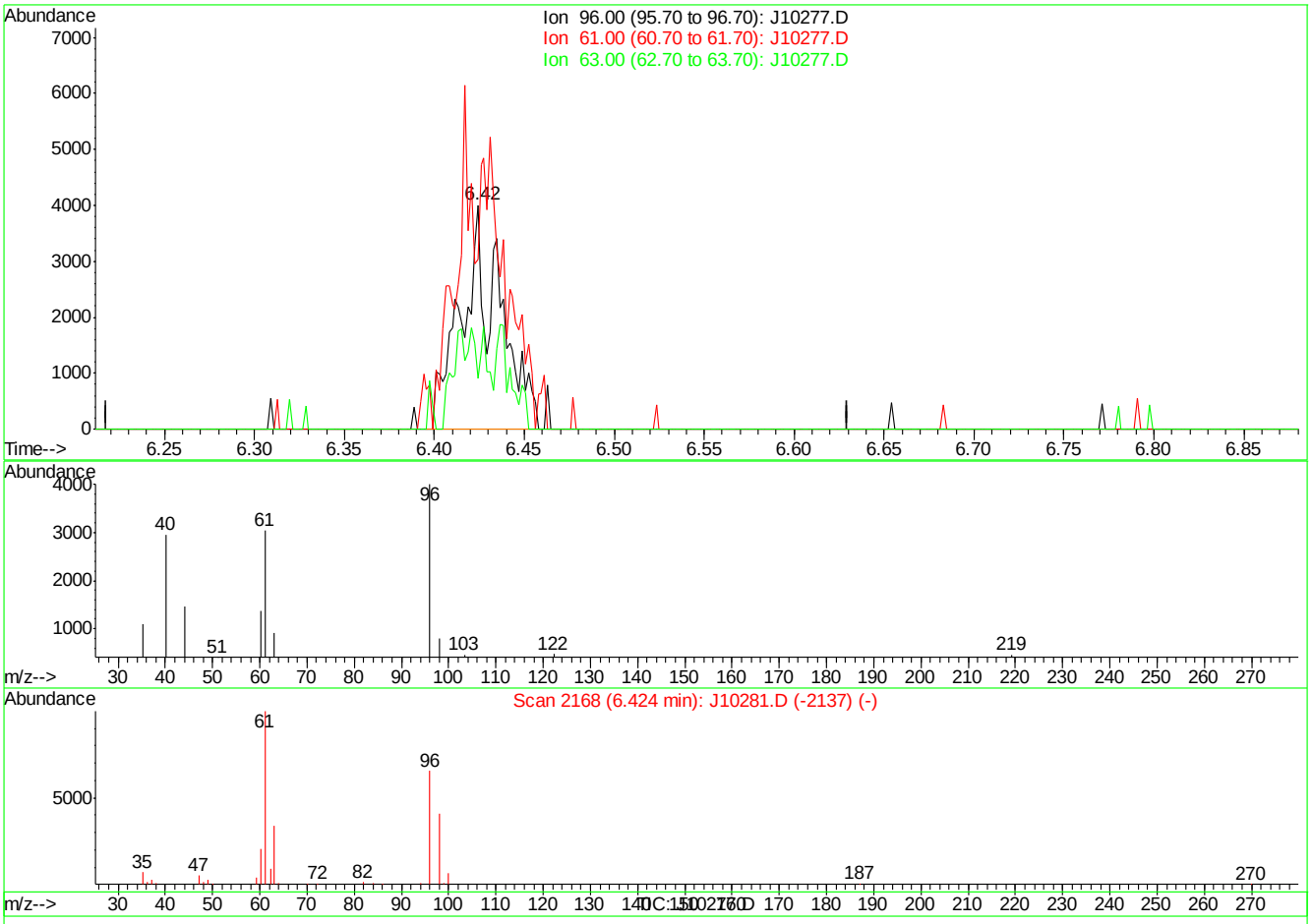
J10277.D J050907T.M Thu May 10 08:36:49 2007

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

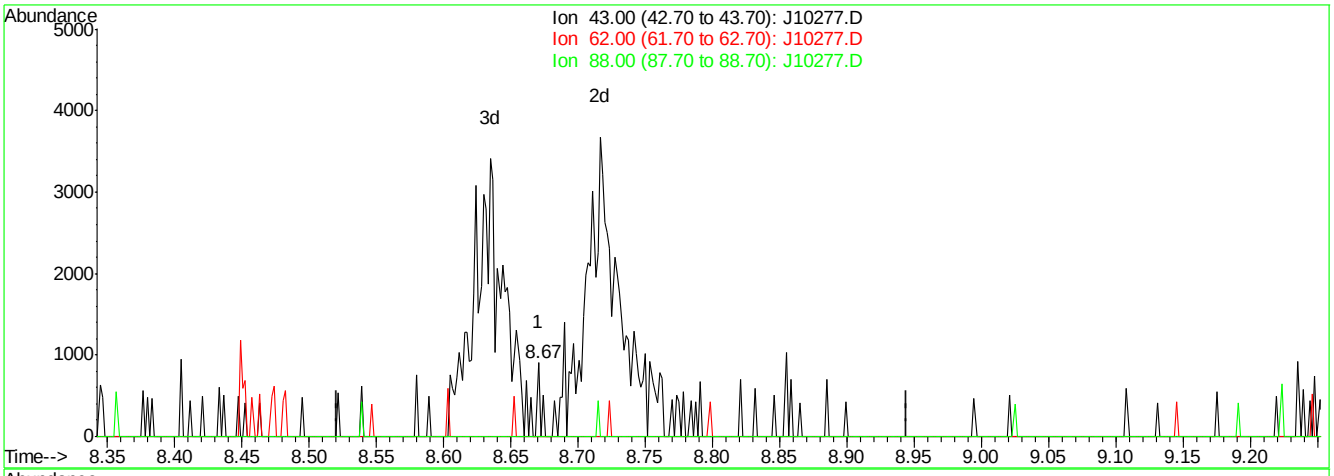
J10277.D J050907T.M Thu May 10 08:36:54 2007

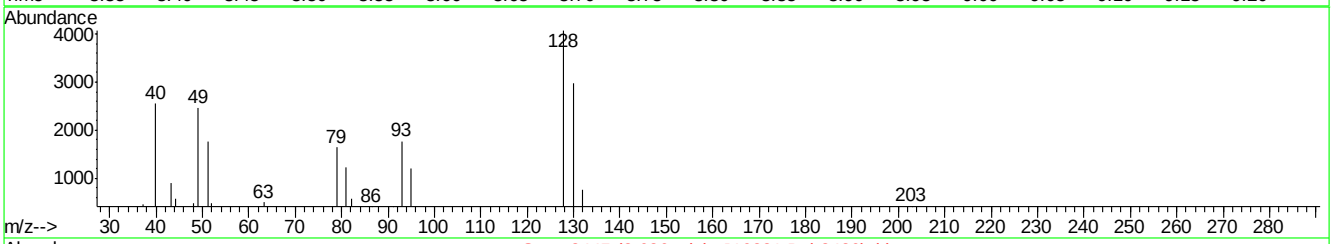
Quantitation Report (Qedit)

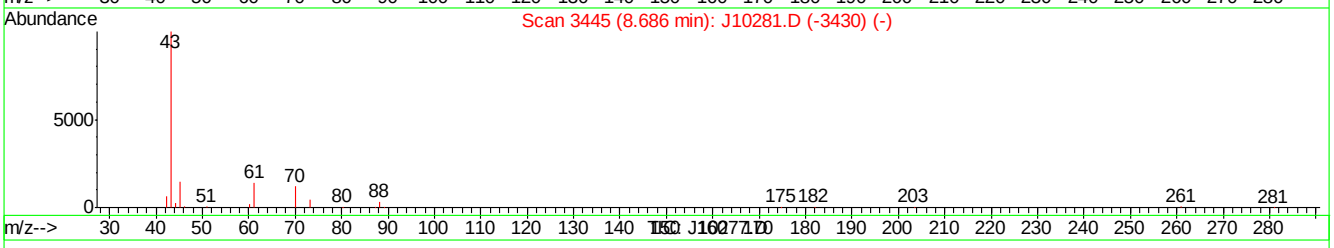
Data File : C:\MSDChem\1\data\J10277.D Vial: 2
Acq On : 9 May 2007 6:39 pm Operator: danat
Sample : IC533-0.2 (M058) Inst : MSJ
Misc : MS13434, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

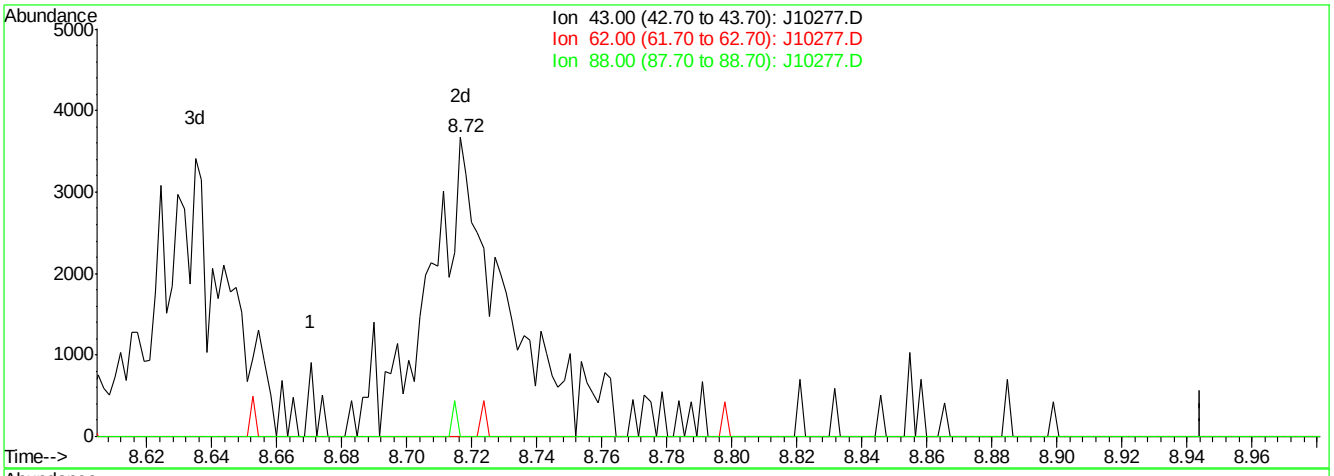
J10277.D J050907T.M Thu May 10 08:37:49 2007

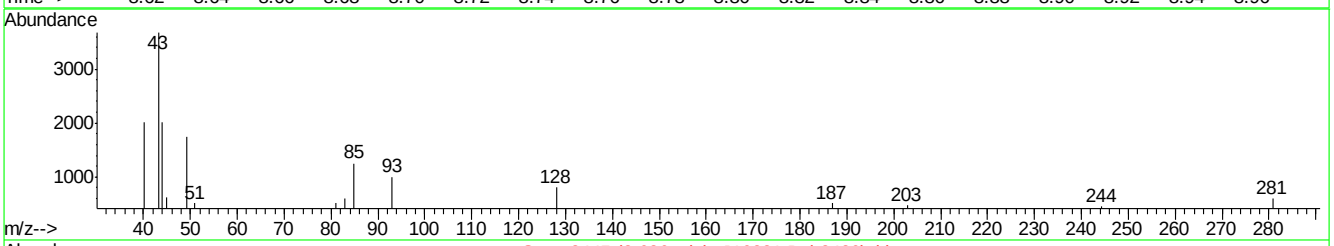
Quantitation Report (Qedit)

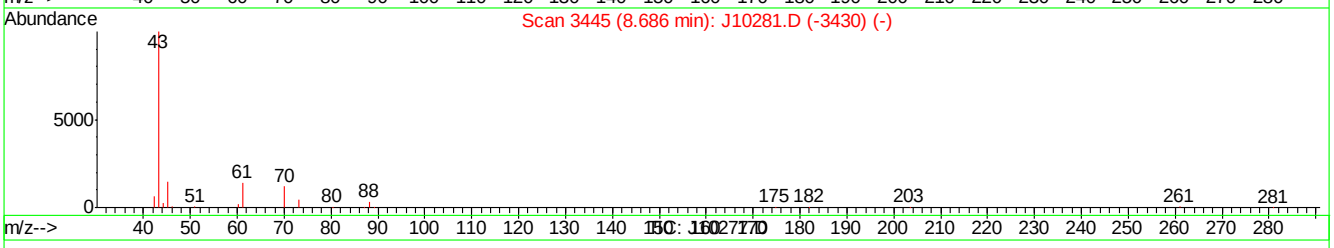
Data File : C:\MSDChem\1\data\J10277.D Vial: 2
Acq On : 9 May 2007 6:39 pm Operator: danat
Sample : IC533-0.2 (M058) Inst : MSJ
Misc : MS13434, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

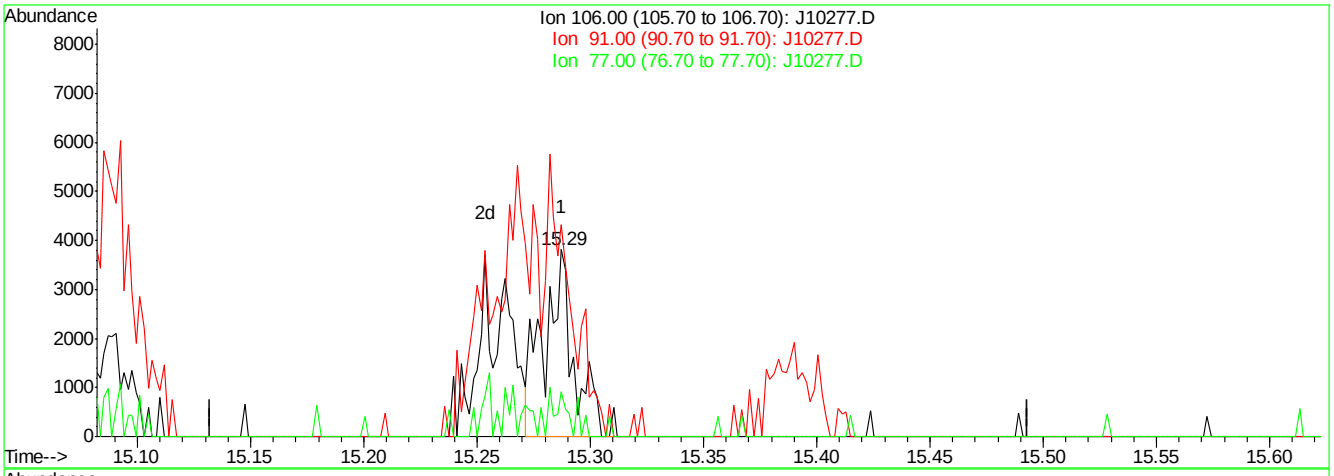
J10277.D J050907T.M Thu May 10 08:38:02 2007

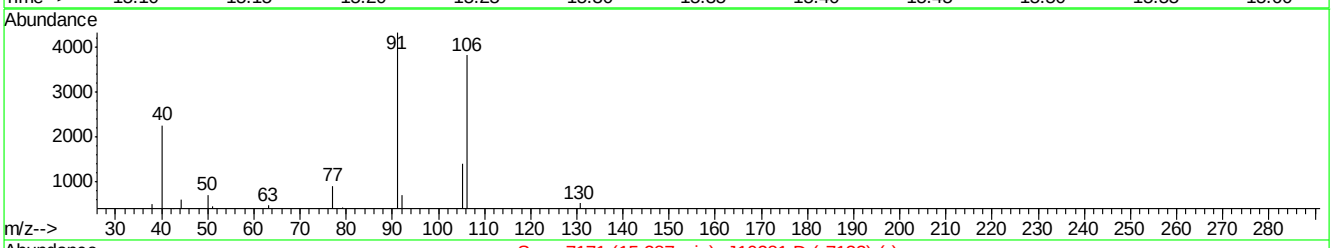
Quantitation Report (Qedit)

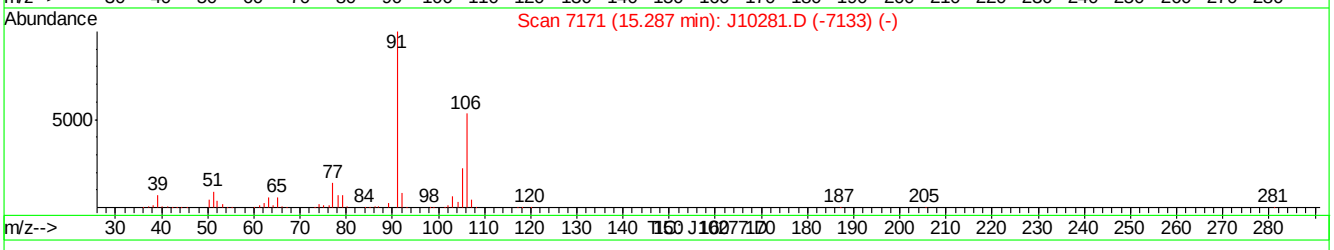
Data File : C:\MSDChem\1\data\J10277.D Vial: 2
Acq On : 9 May 2007 6:39 pm Operator: danat
Sample : IC533-0.2 (M058) Inst : MSJ
Misc : MS13434, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

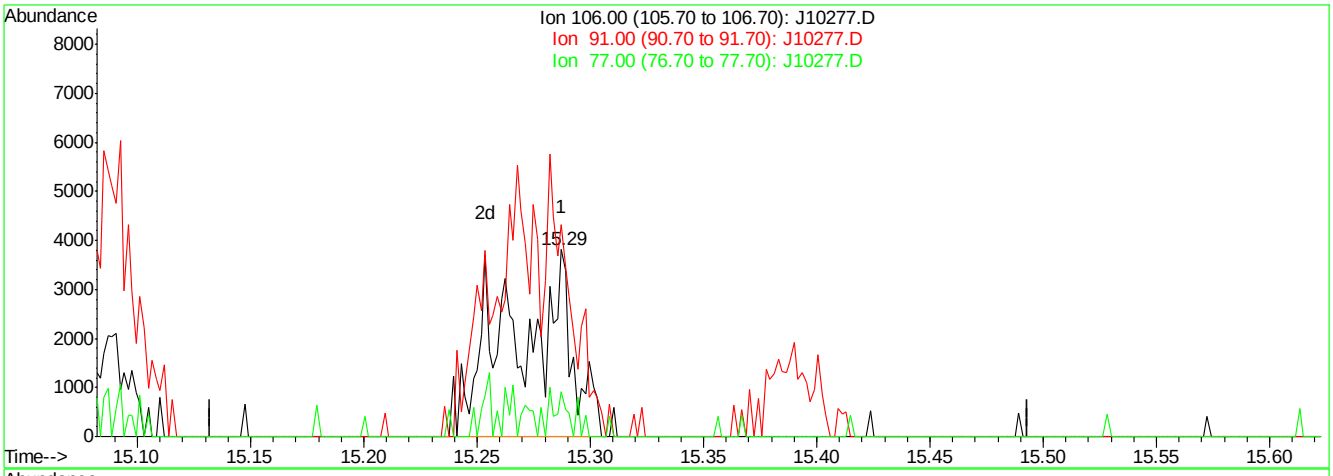
J10277.D J050907T.M Thu May 10 08:39:14 2007

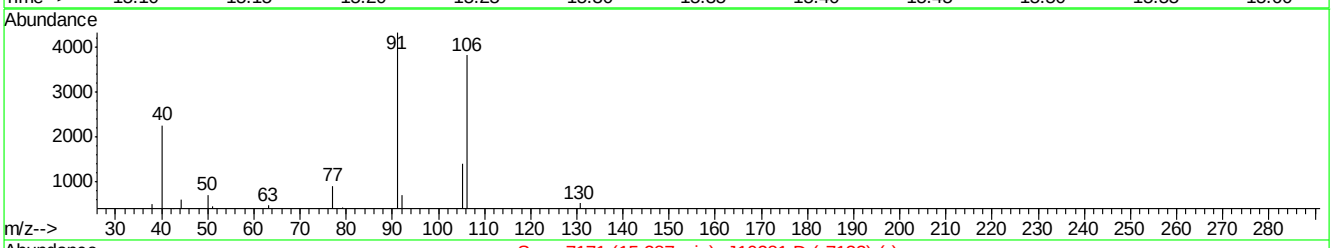
Quantitation Report (Qedit)

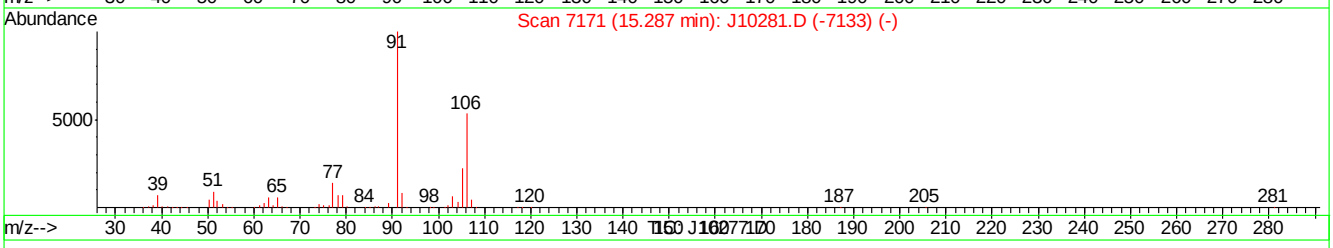
Data File : C:\MSDChem\1\data\J10277.D Vial: 2
Acq On : 9 May 2007 6:39 pm Operator: danat
Sample : IC533-0.2 (M058) Inst : MSJ
Misc : MS13434, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

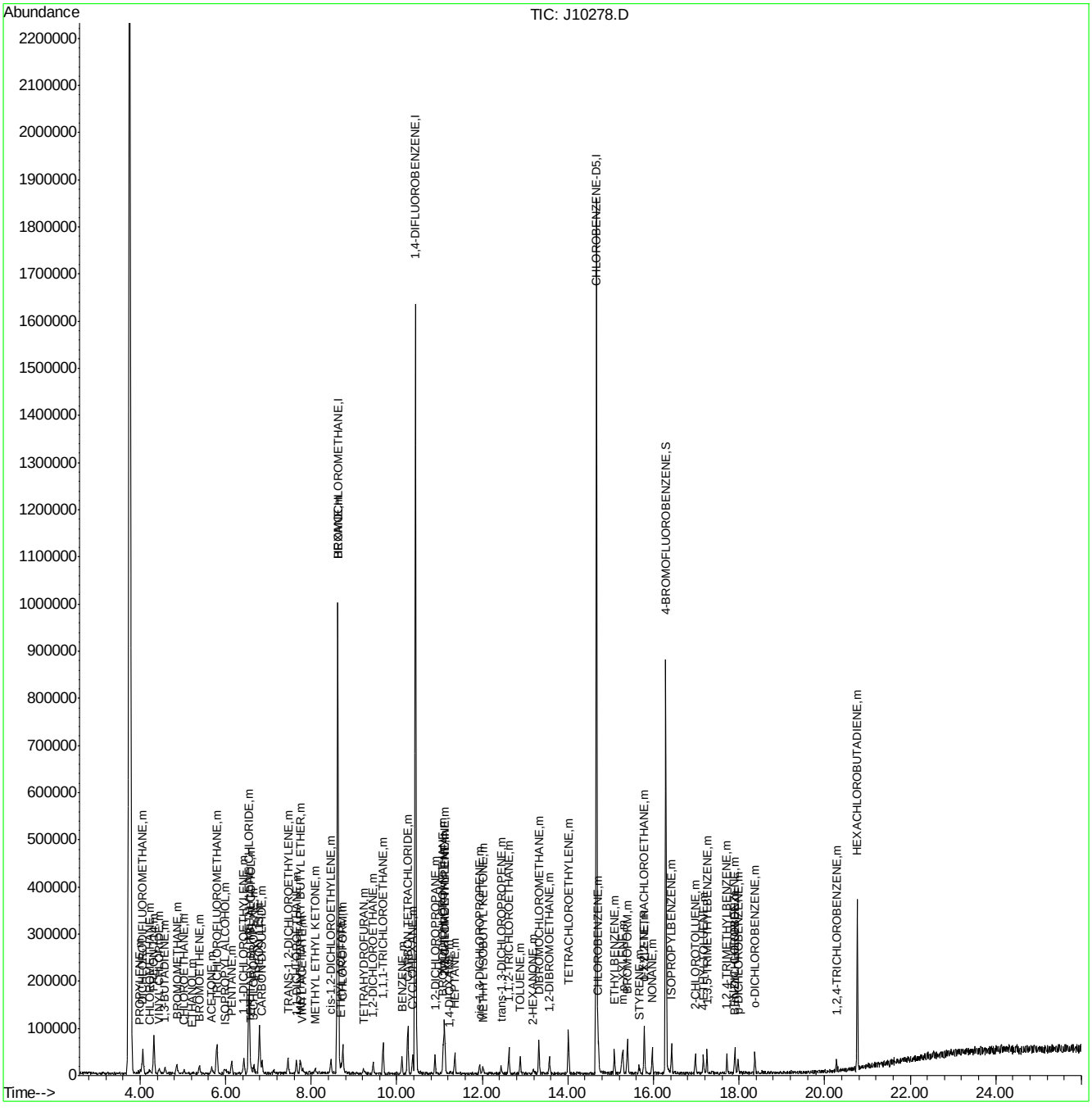
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) METHYL ISOBUTYL KETONE	12.01	43	9402	0.31	PPBV		83
45) cis-1,3-DICHLOROPROPENE	11.94	75	10454	0.37	PPBV		94
46) TOLUENE	12.89	92	14159	0.36	PPBV		91
47) trans-1,3-DICHLOROPROPENE	12.44	75	7429	0.27	PPBV		94
48) 1,1,2-TRICHLOROETHANE	12.62	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

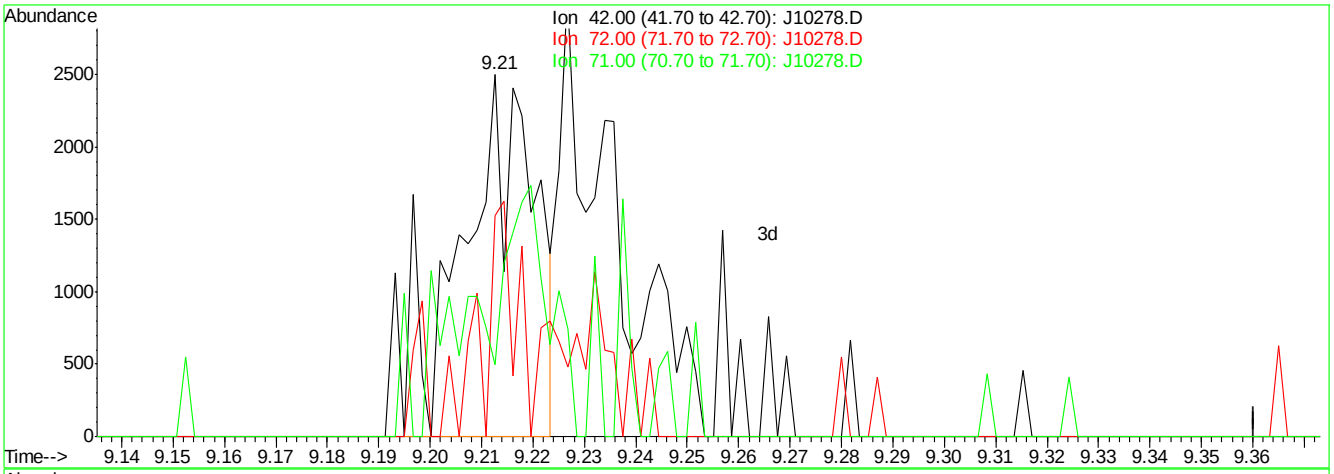


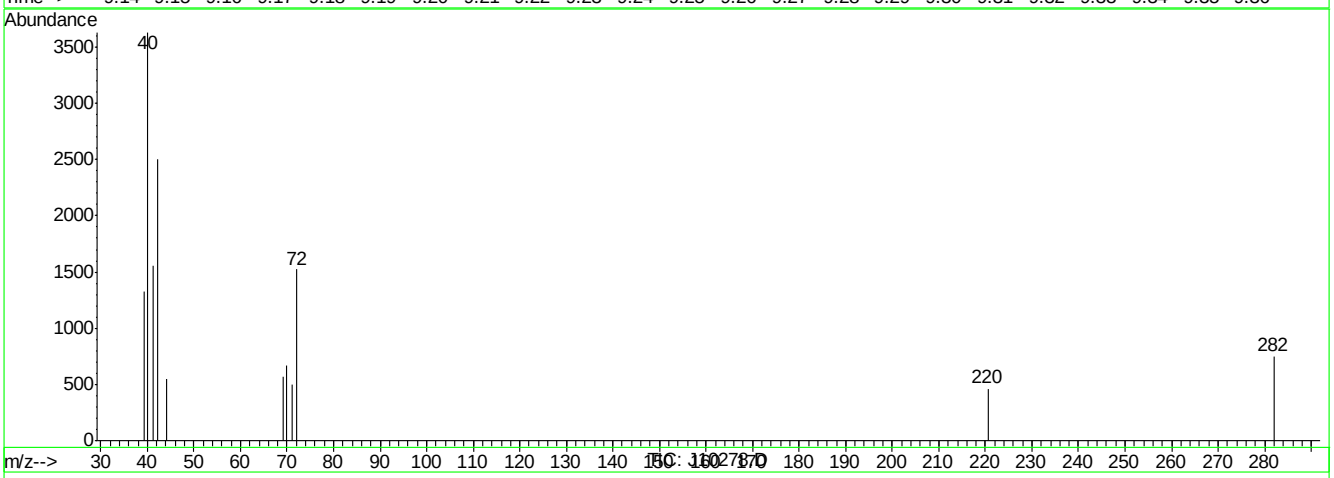
Quantitation Report (Qedit)

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

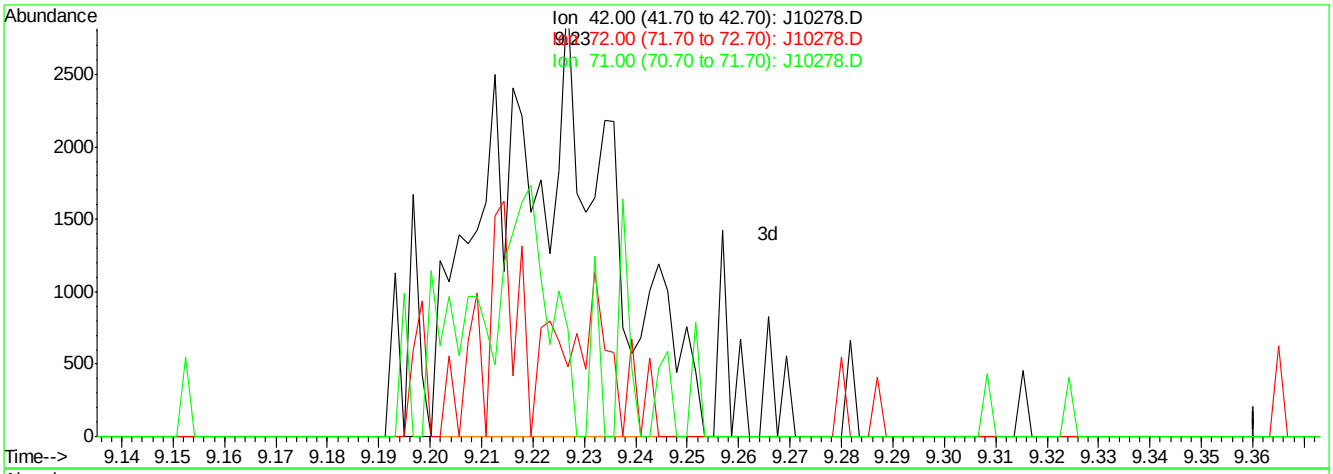
J10278.D J050907T.M Thu May 10 08:32:39 2007

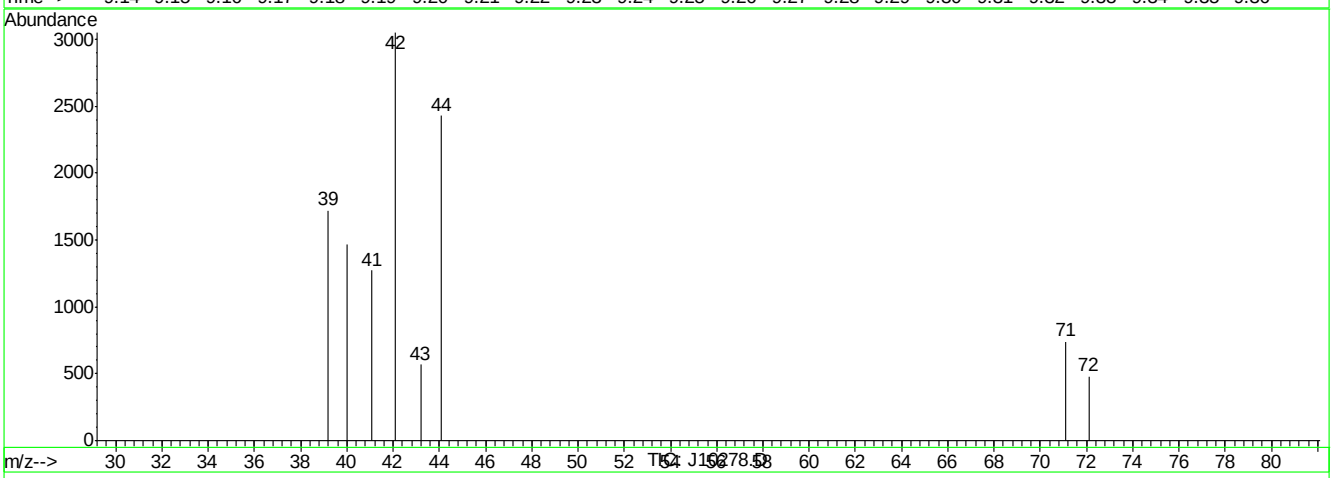
Quantitation Report (Qedit)

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

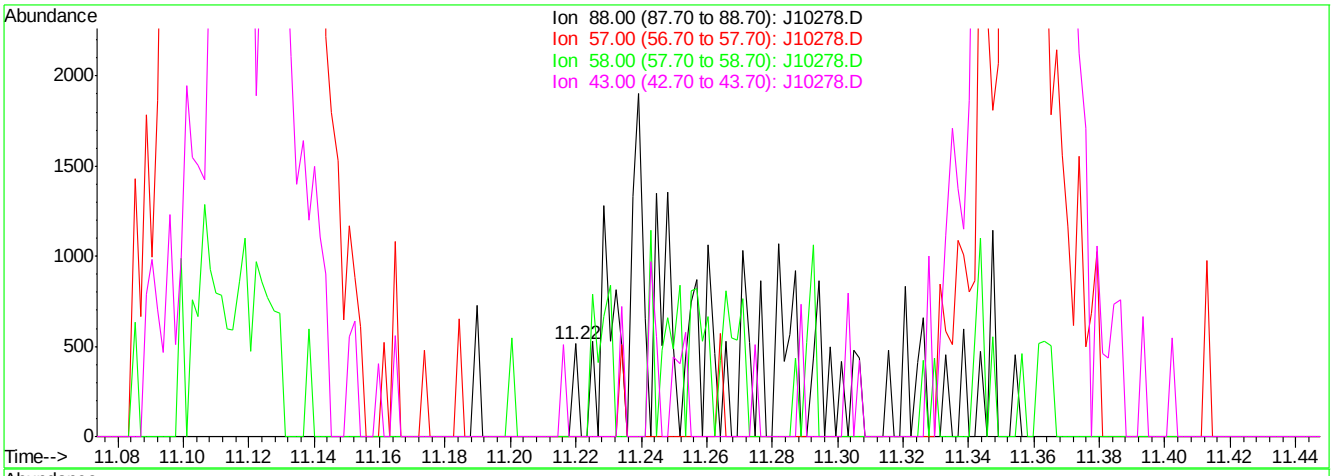
J10278.D J050907T.M Thu May 10 08:32:46 2007

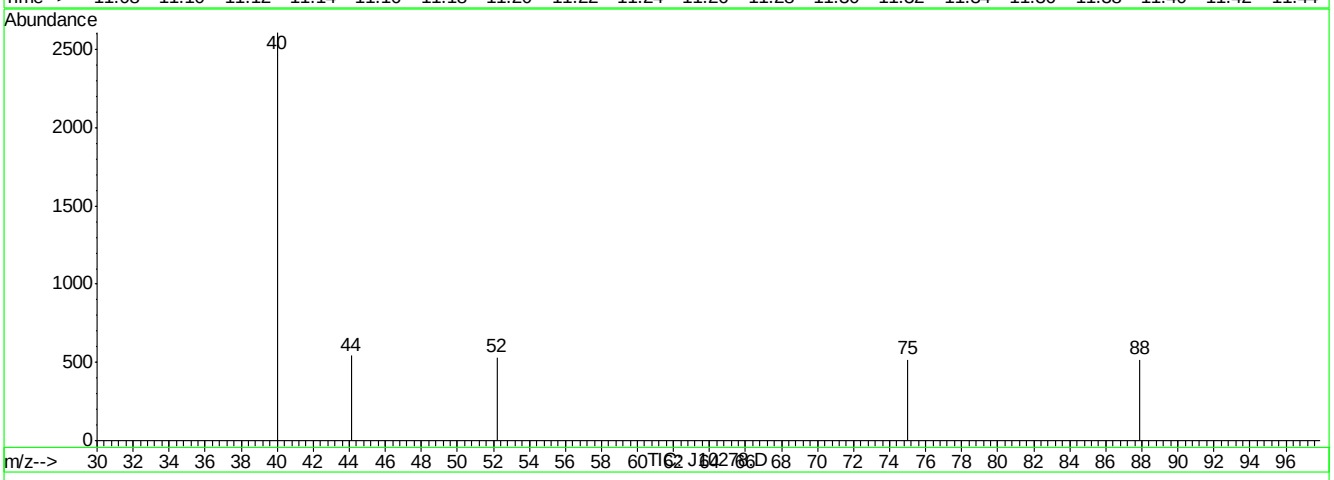
Quantitation Report (Qedit)

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#

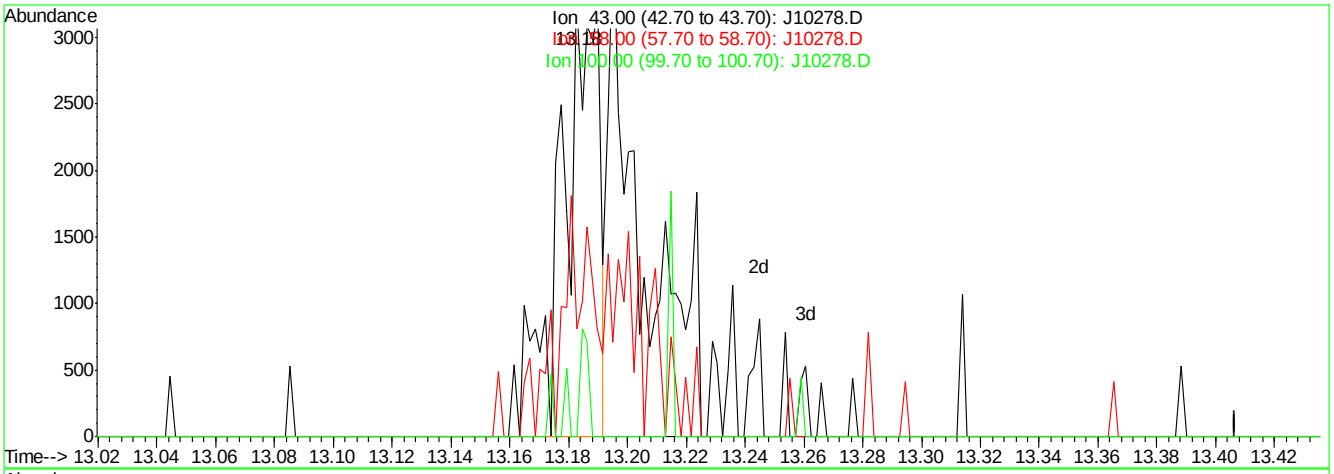
J10278.D J050907T.M Thu May 10 08:33:15 2007

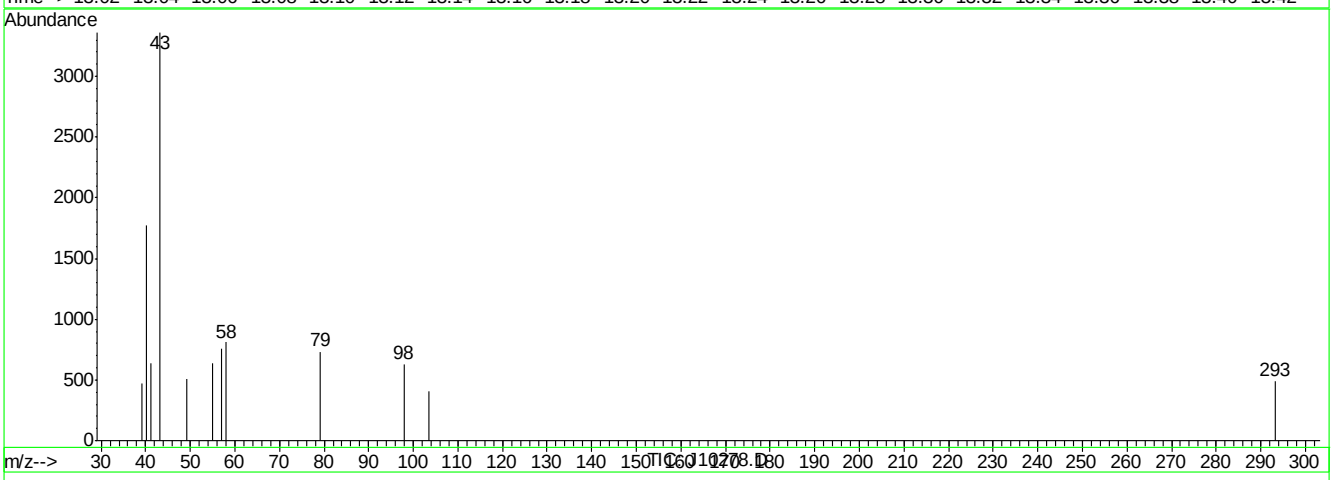
Quantitation Report (Qedit)

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

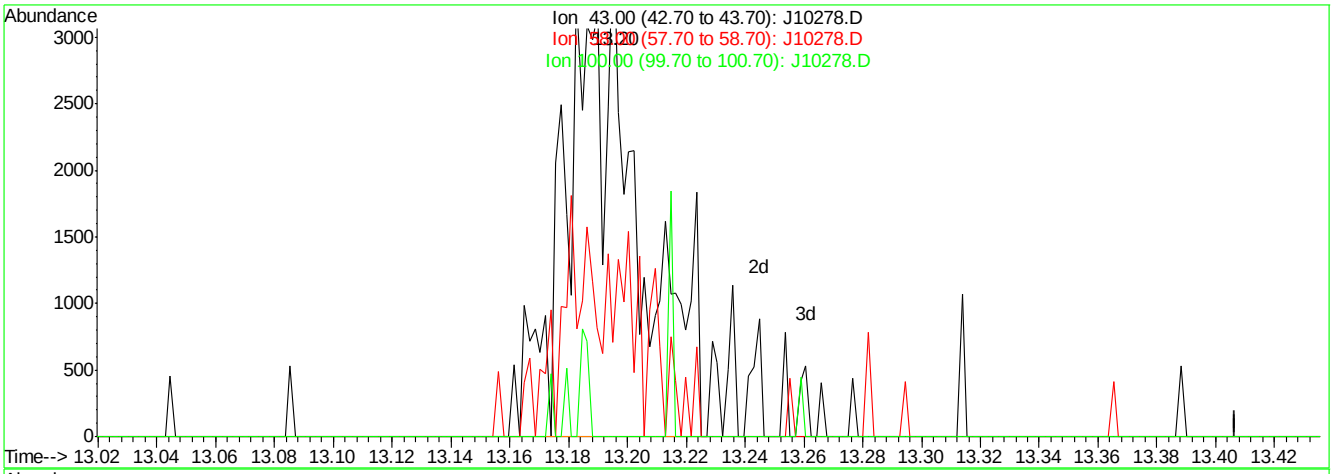
J10278.D J050907T.M Thu May 10 08:33:47 2007

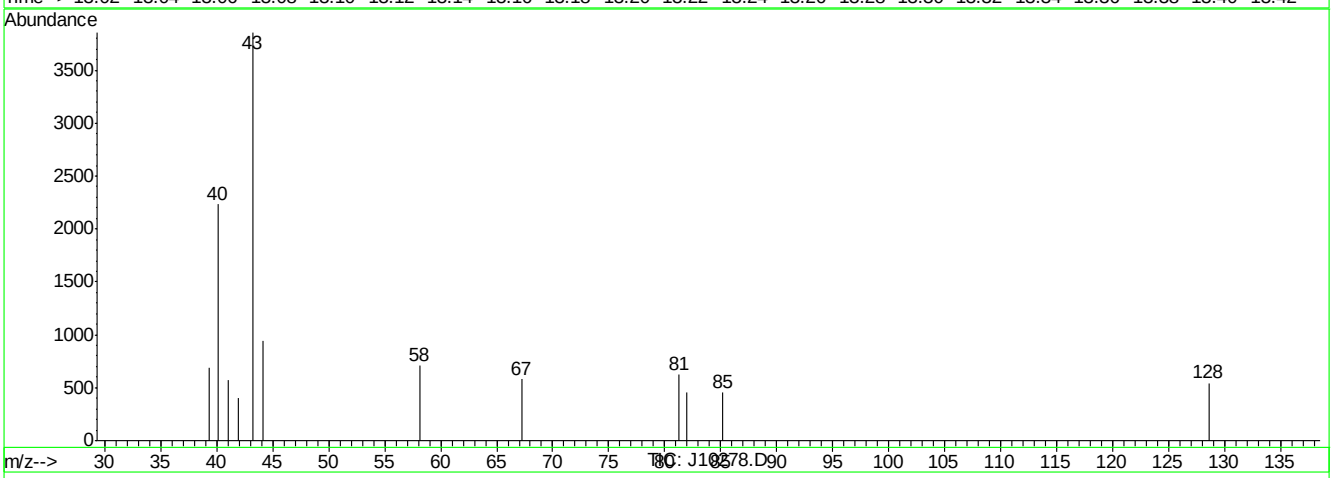
Quantitation Report (Qedit)

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

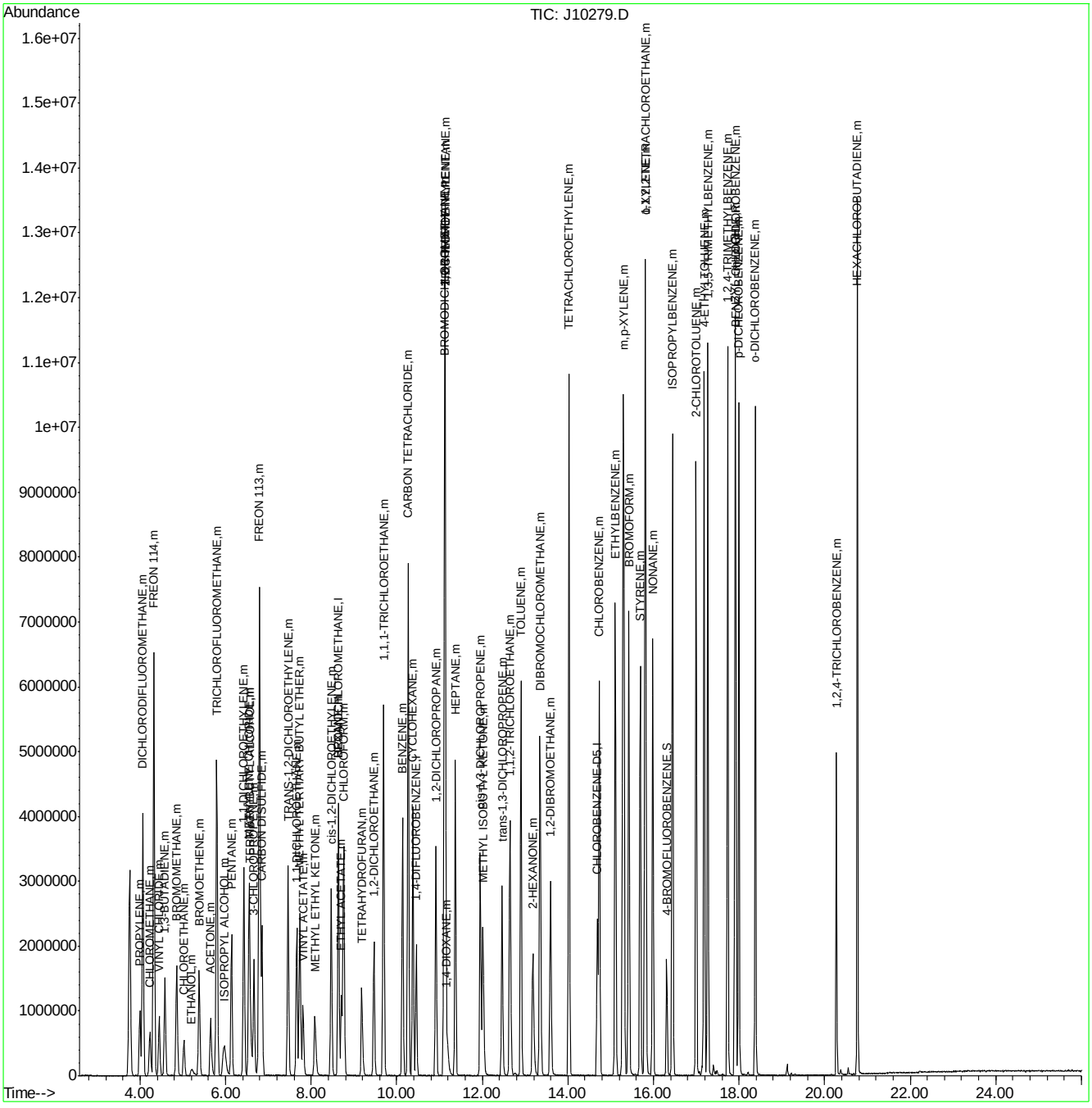
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.01	43	2181947	47.85	PPBV	100
45) cis-1,3-DICHLOROPROPENE	11.95	75	2021787	48.53	PPBV	99
46) TOLUENE	12.90	92	2853663	49.13	PPBV	100
47) trans-1,3-DICHLOROPROPENE	12.46	75	2009963	49.38	PPBV	100
48) 1,1,2-TRICHLOROETHANE	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



ACCUTEST Laboratories
M64940

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

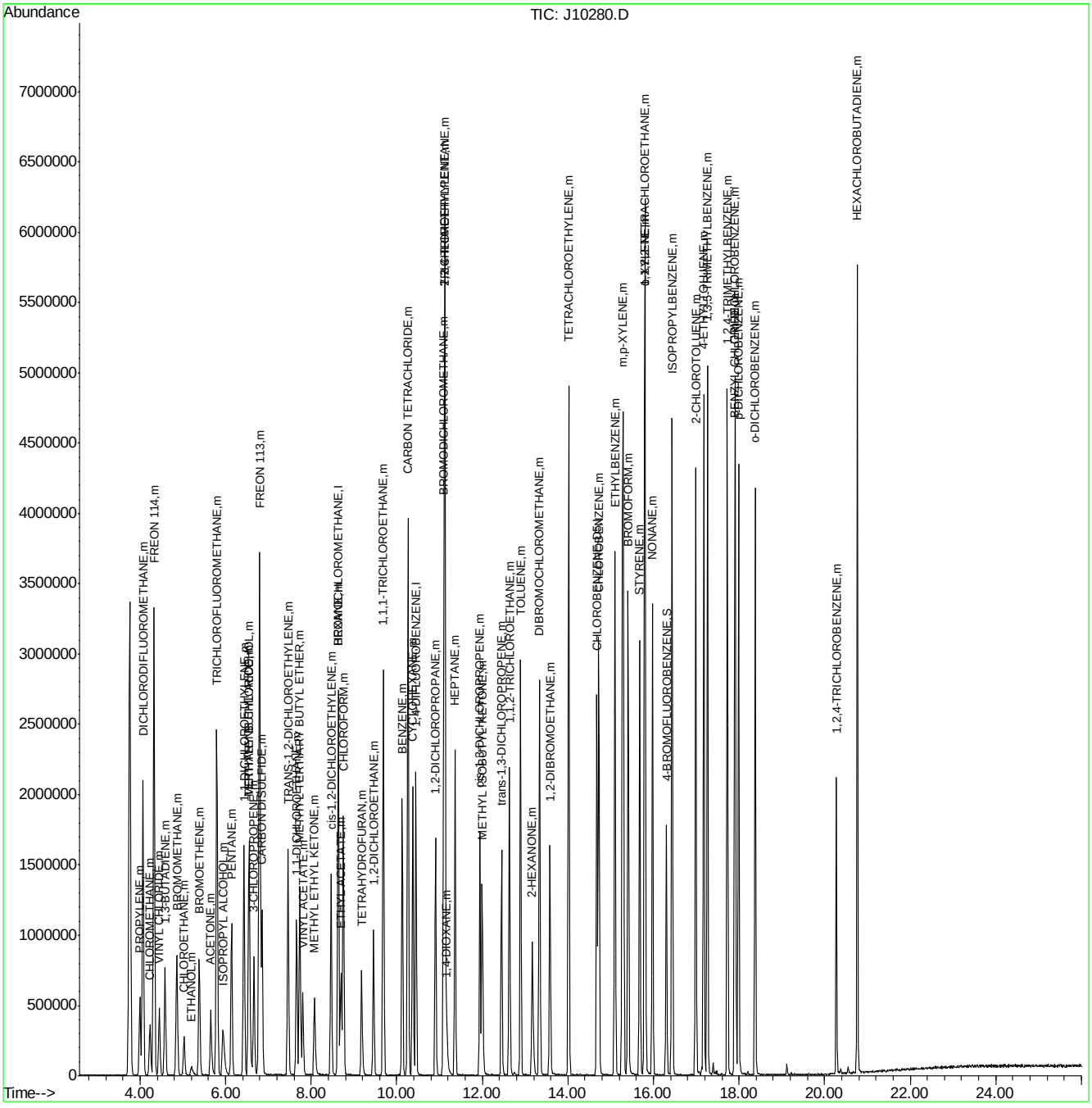
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.99	43	998239	23.56	PPBV	99
45) cis-1,3-DICHLOROPROPENE	11.94	75	916926	23.83	PPBV	99
46) TOLUENE	12.89	92	1270141	23.50	PPBV	100
47) trans-1,3-DICHLOROPROPENE	12.45	75	906659	24.47	PPBV	100
48) 1,1,2-TRICHLOROETHANE	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

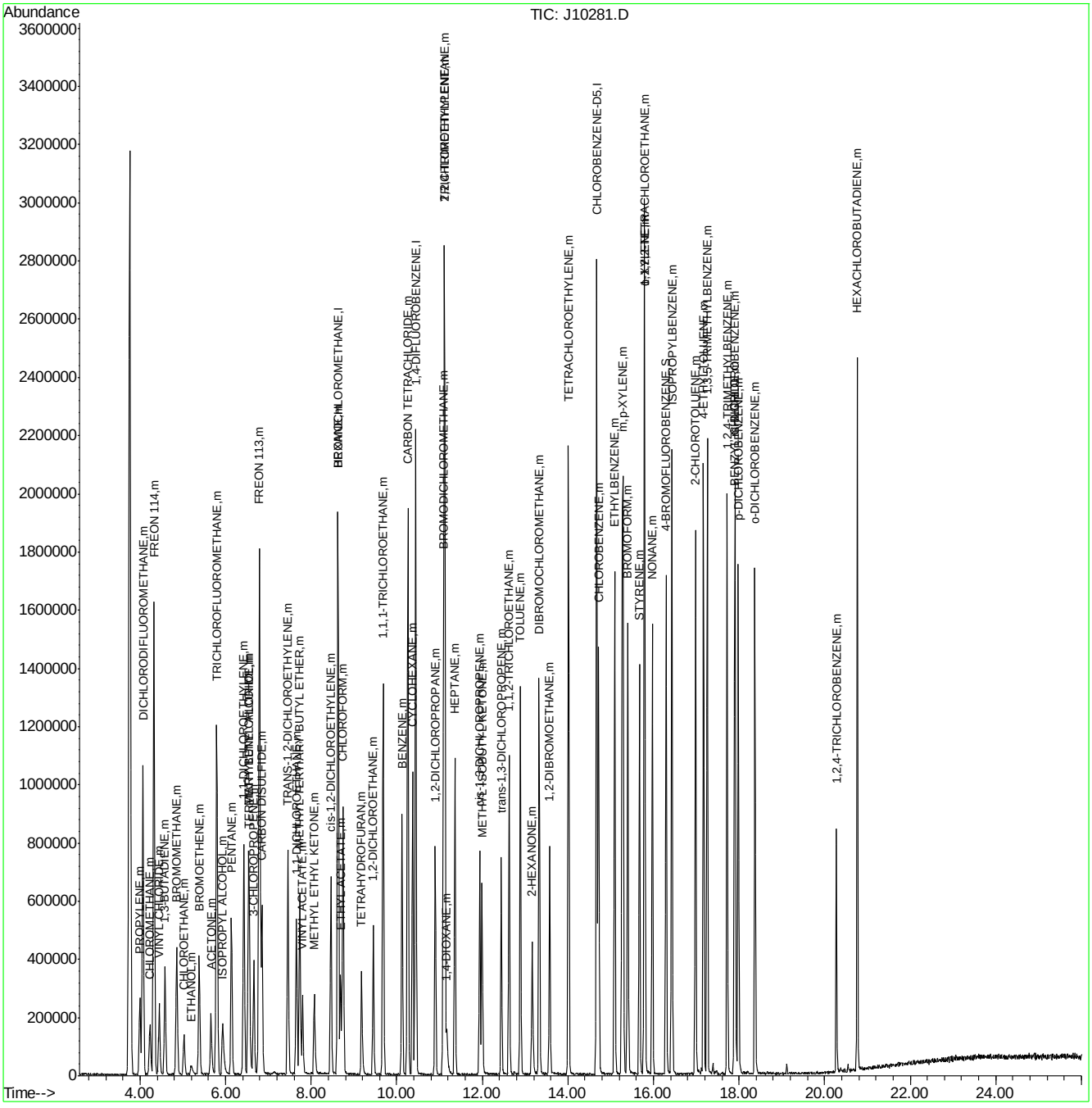
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.99	43	425071	8.67	PPBV	100
45) cis-1,3-DICHLOROPROPENE	11.94	75	385895	8.76	PPBV	100
46) TOLUENE	12.89	92	542169	8.61	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.44	75	371618	8.76	PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.62	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 M64940

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

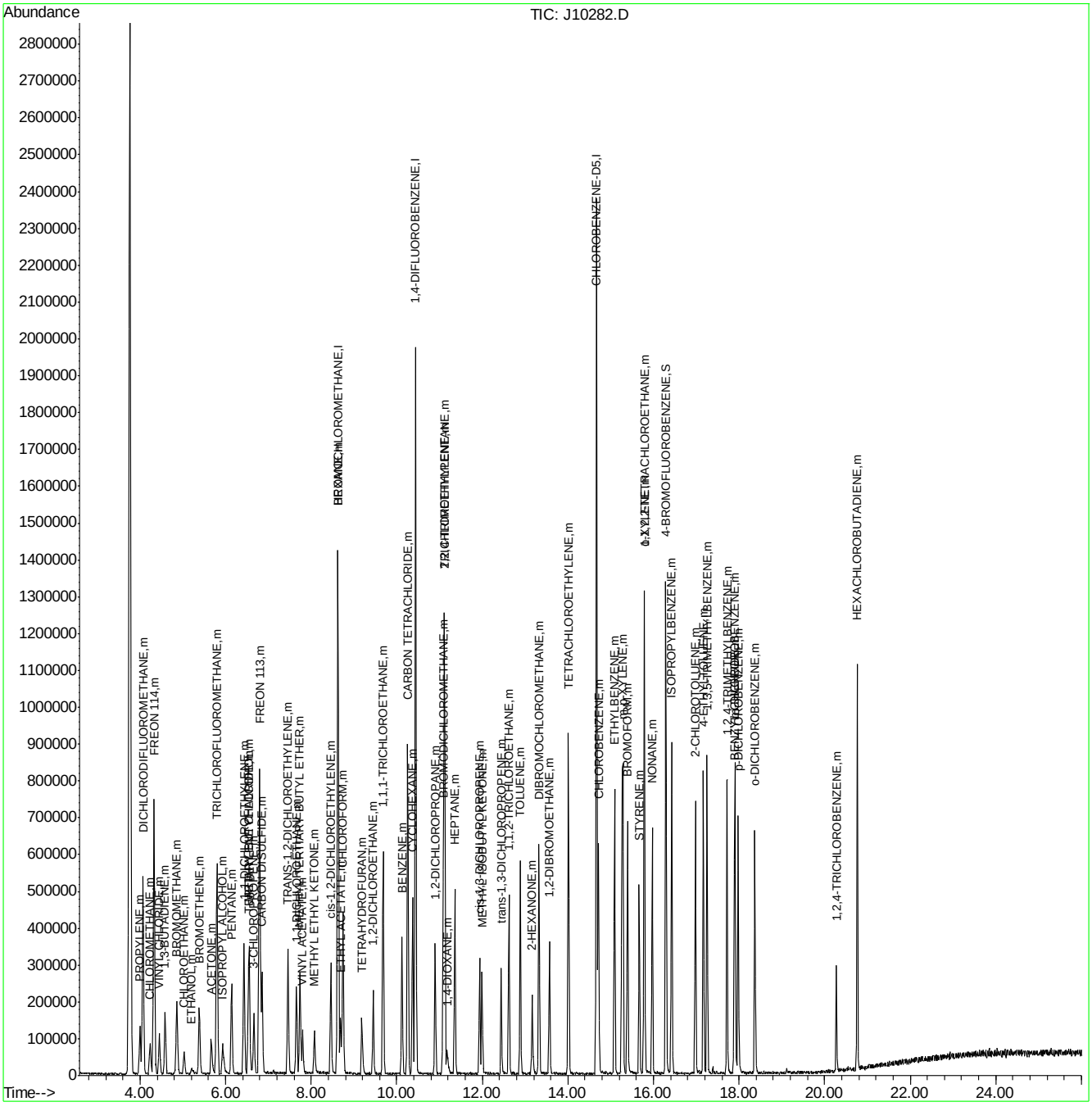
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.99	43	163941	3.87	PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.94	75	147966	3.80	PPBV	97
46) TOLUENE	12.88	92	213818	3.93	PPBV	97
47) trans-1,3-DICHLOROPROPENE	12.44	75	138222	3.61	PPBV	98
48) 1,1,2-TRICHLOROETHANE	12.62	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

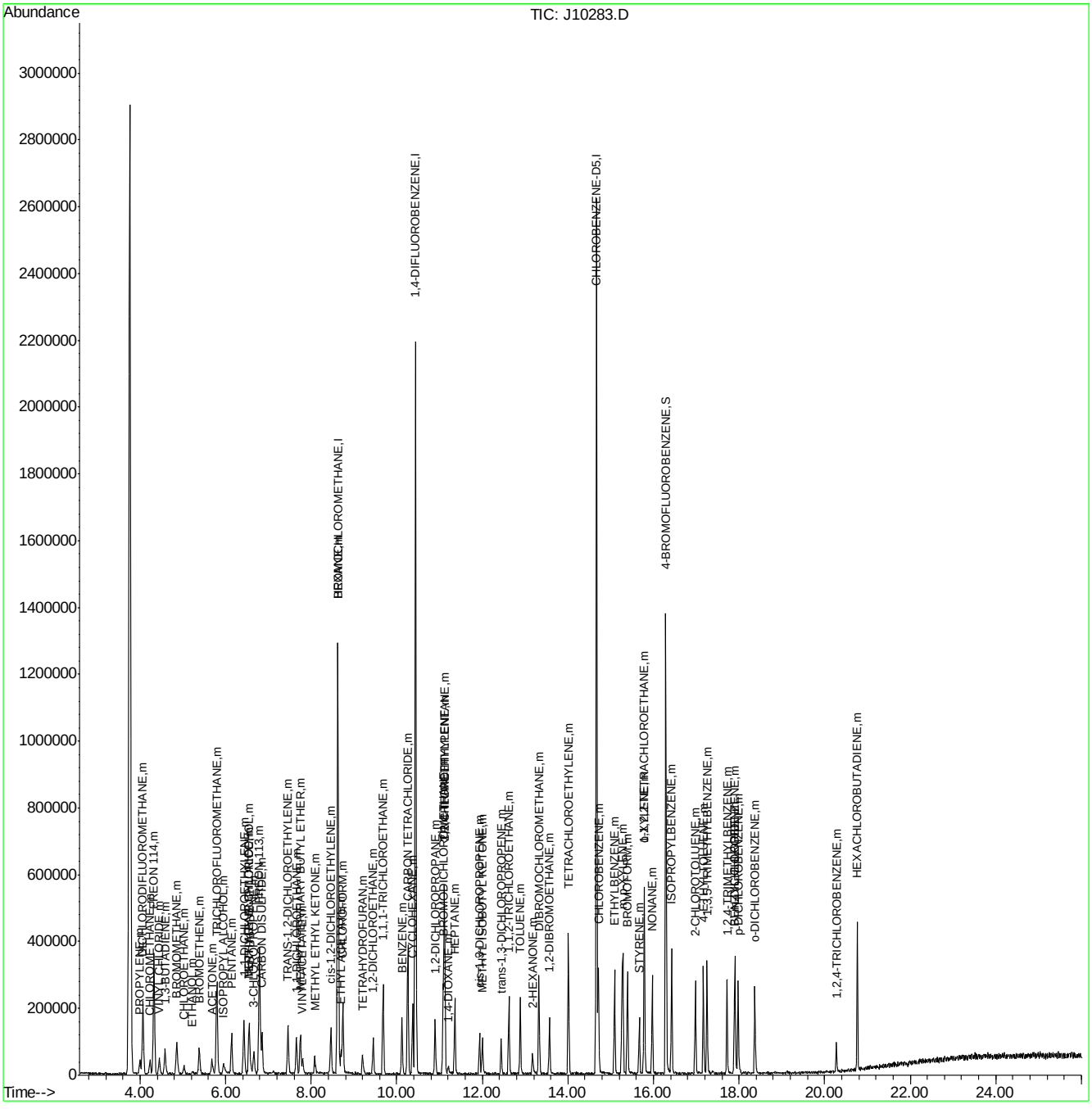
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.00	43	61589	1.42	PPBV	93
45) cis-1,3-DICHLOROPROPENE	11.93	75	57253	1.44	PPBV	97
46) TOLUENE	12.89	92	83319	1.49	PPBV	93
47) trans-1,3-DICHLOROPROPENE	12.44	75	53056	1.37	PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.62	83	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

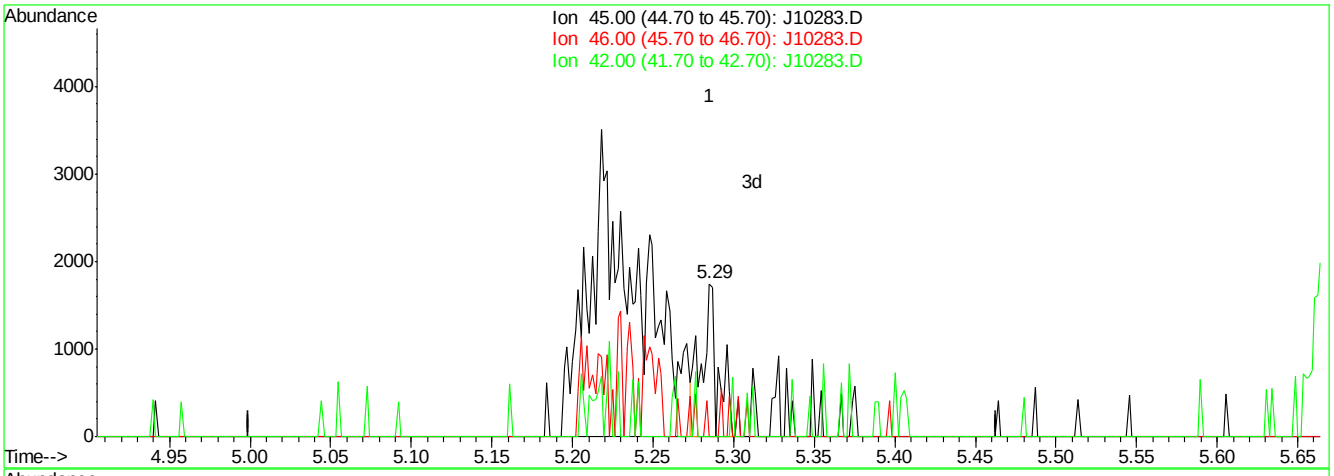


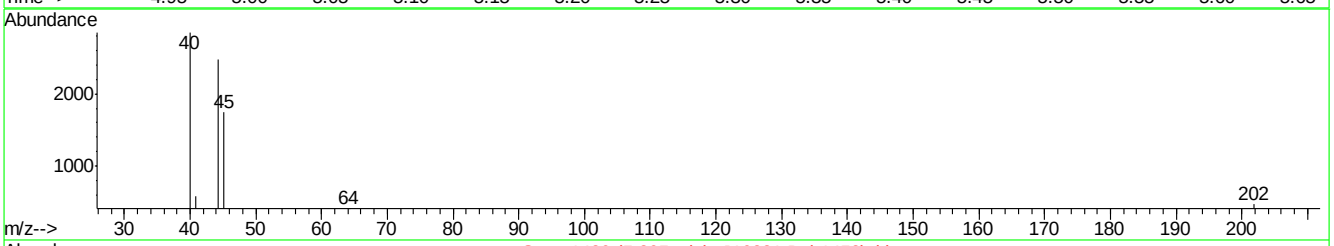
Quantitation Report (Qedit)

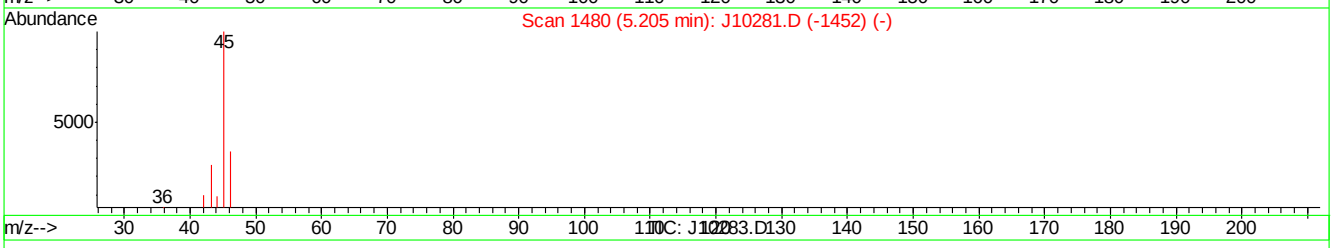
Data File : C:\MSDChem\1\data\J10283.D Vial: 3
Acq On : 9 May 2007 11:27 pm Operator: danat
Sample : IC533-2 (M079) Inst : MSJ
Misc : MS13434, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

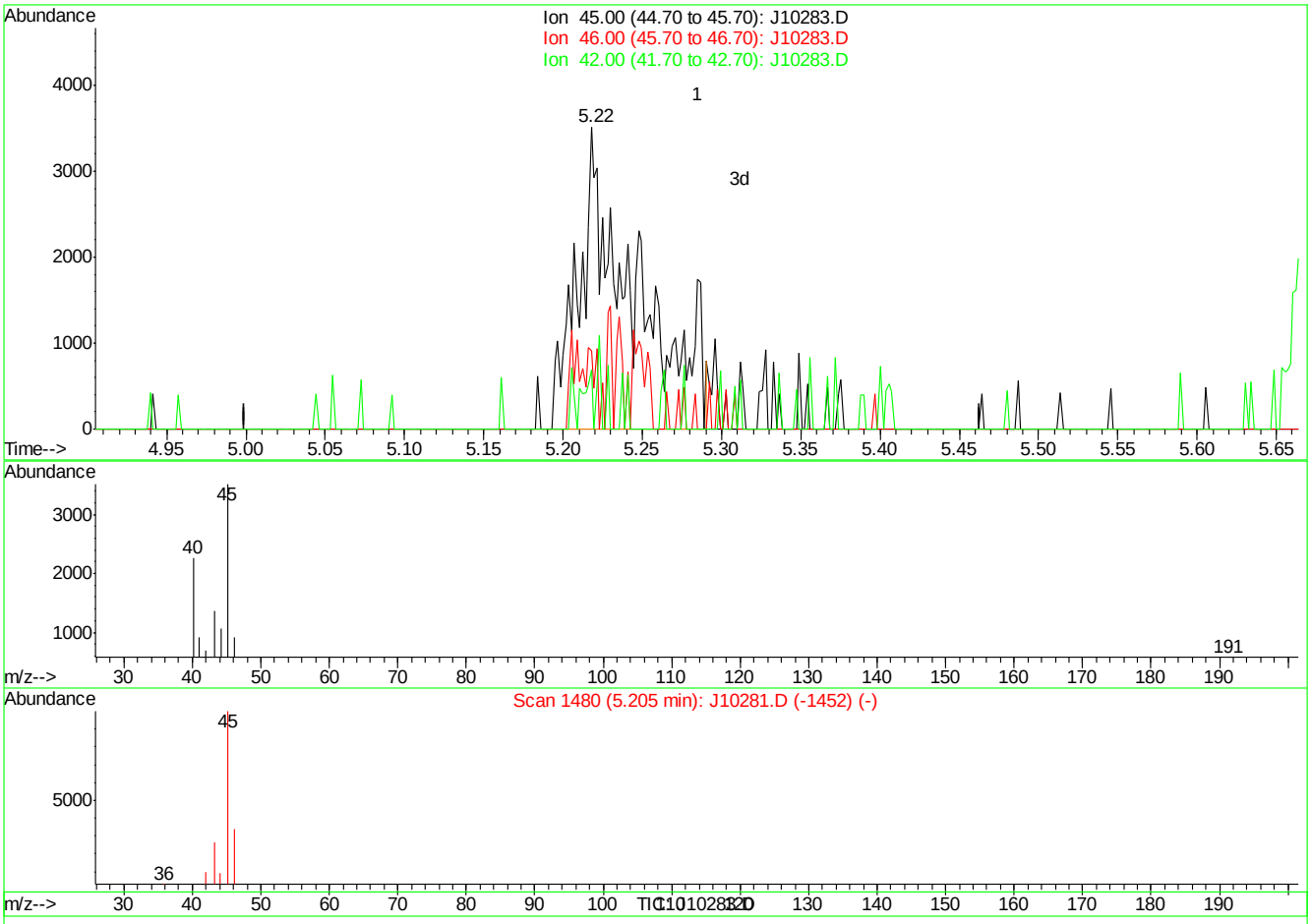
J10283.D J050907T.M Thu May 10 08:29:19 2007

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

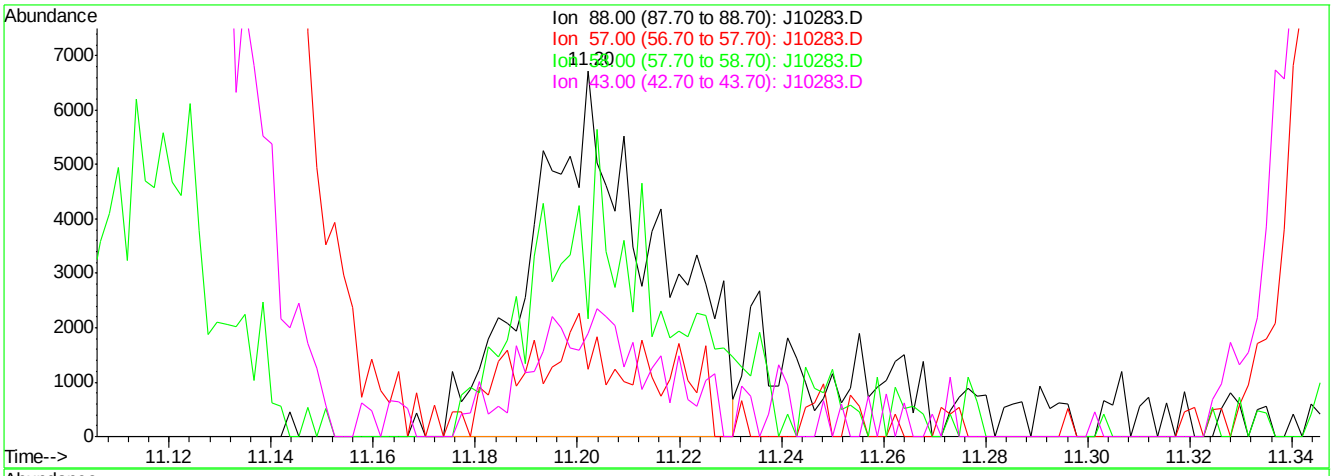
J10283.D J050907T.M Thu May 10 08:29:28 2007

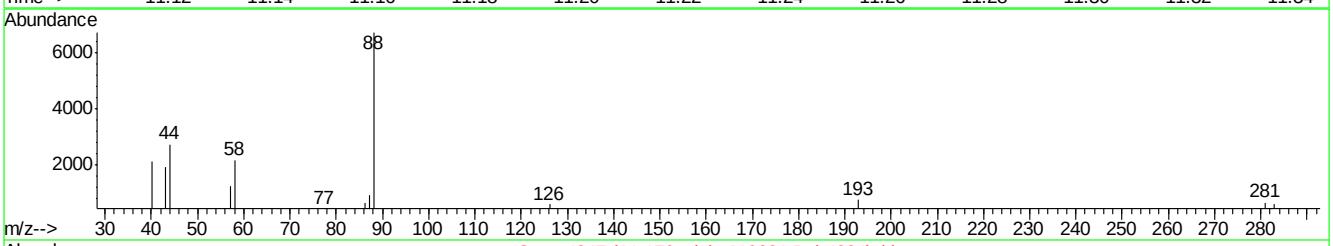
Quantitation Report (Qedit)

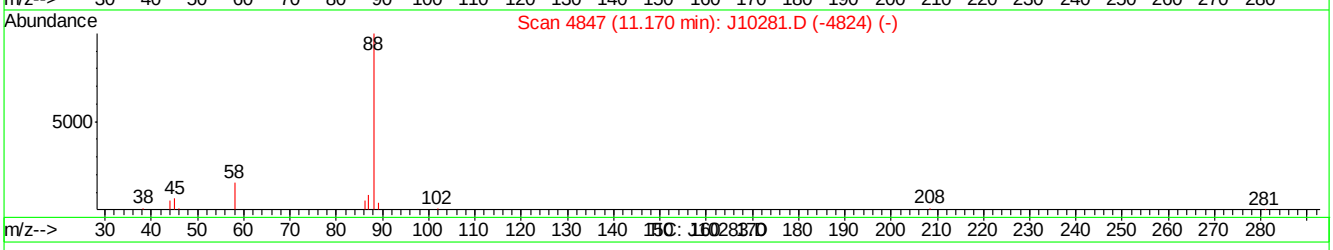
Data File : C:\MSDChem\1\data\J10283.D Vial: 3
Acq On : 9 May 2007 11:27 pm Operator: danat
Sample : IC533-2 (M079) Inst : MSJ
Misc : MS13434, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

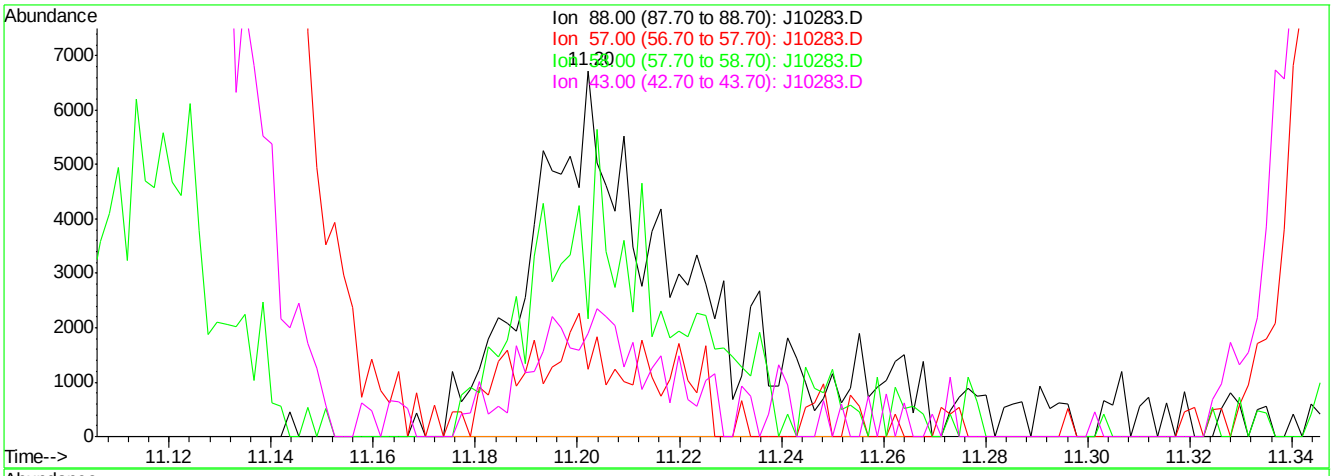
J10283.D J050907T.M Thu May 10 08:29:58 2007

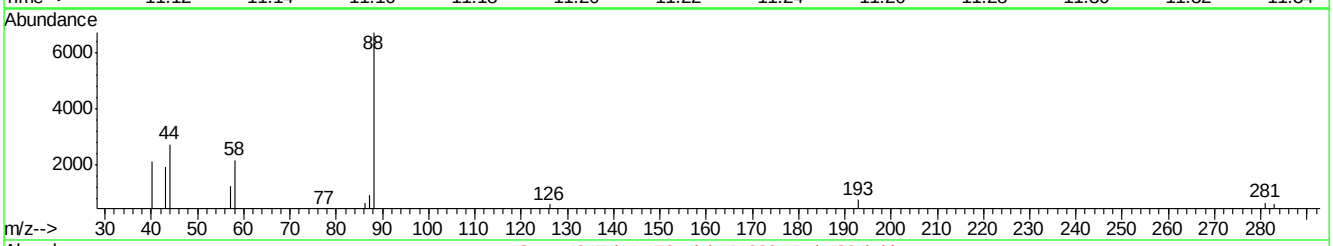
Quantitation Report (Qedit)

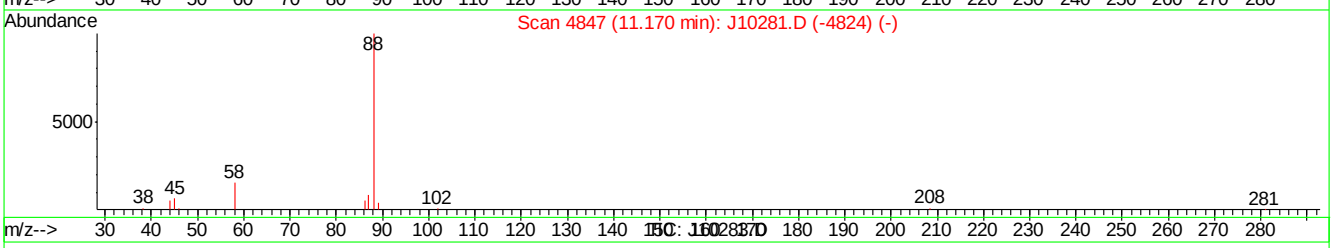
Data File : C:\MSDChem\1\data\J10283.D Vial: 3
Acq On : 9 May 2007 11:27 pm Operator: danat
Sample : IC533-2 (M079) Inst : MSJ
Misc : MS13434, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

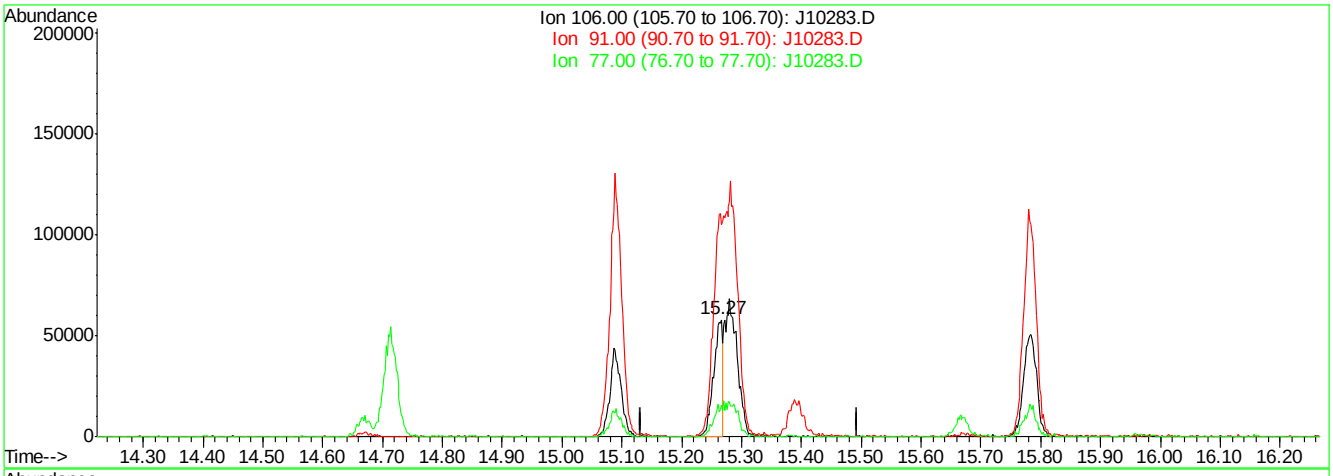
J10283.D J050907T.M Thu May 10 08:30:04 2007

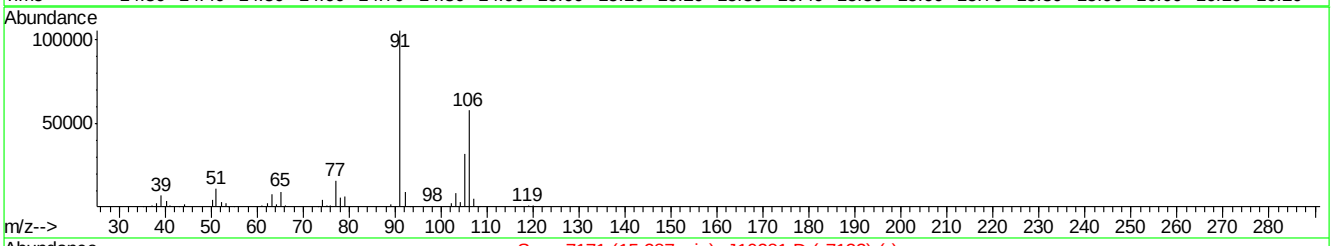
Quantitation Report (Qedit)

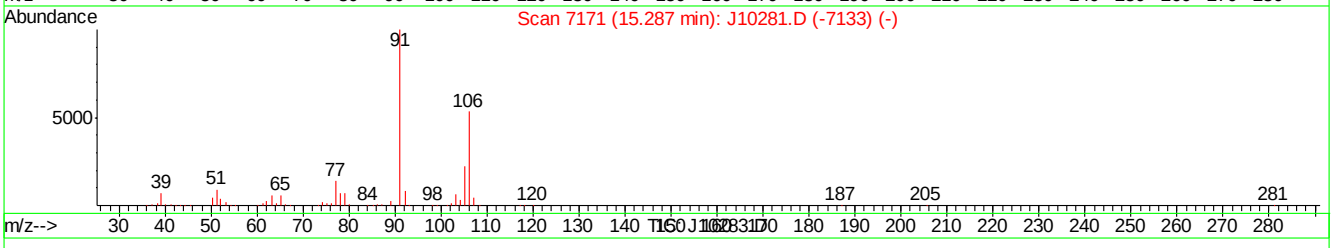
Data File : C:\MSDChem\1\data\J10283.D Vial: 3
Acq On : 9 May 2007 11:27 pm Operator: danat
Sample : IC533-2 (M079) Inst : MSJ
Misc : MS13434, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

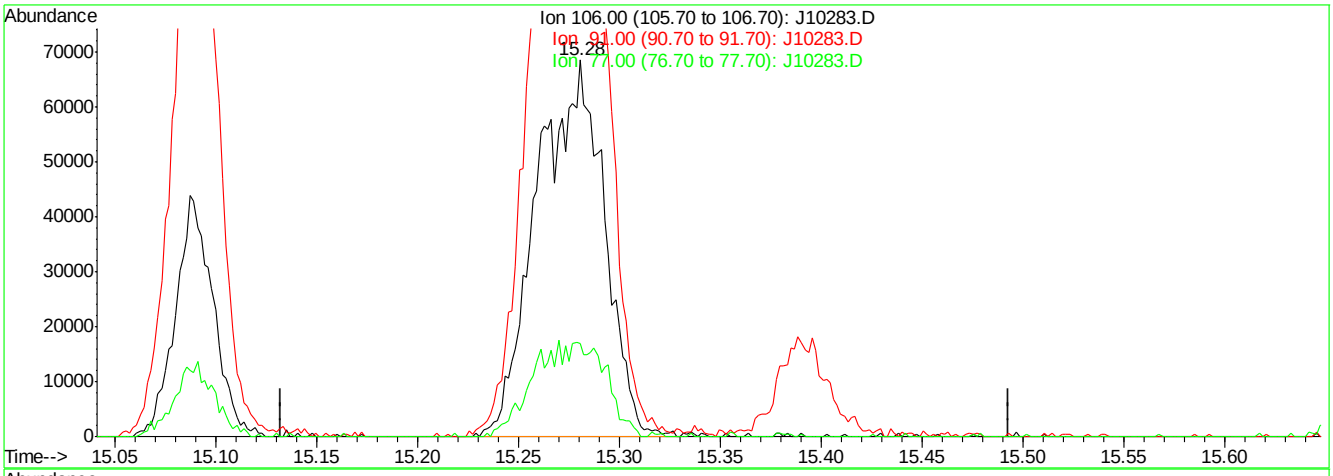
J10283.D J050907T.M Thu May 10 08:30:21 2007

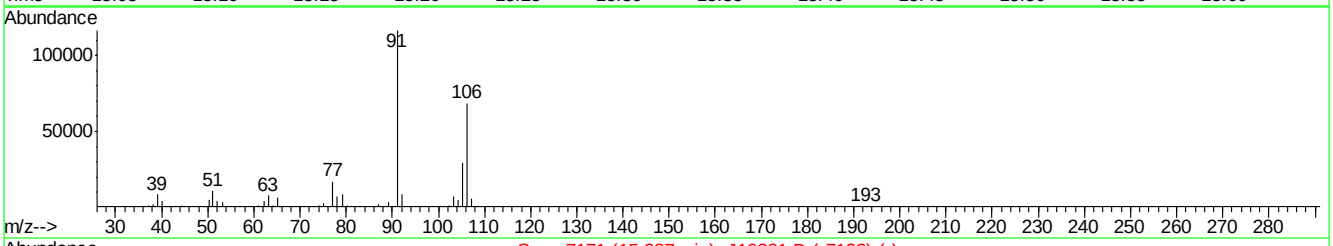
Quantitation Report (Qedit)

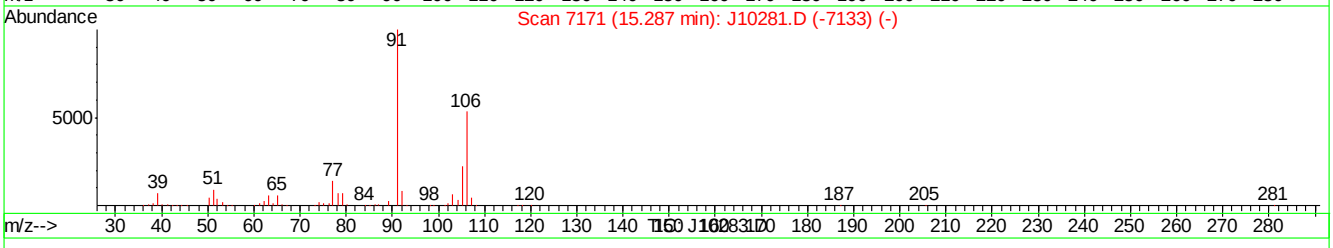
Data File : C:\MSDChem\1\data\J10283.D Vial: 3
Acq On : 9 May 2007 11:27 pm Operator: danat
Sample : IC533-2 (M079) Inst : MSJ
Misc : MS13434, MSJ533,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

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 : 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

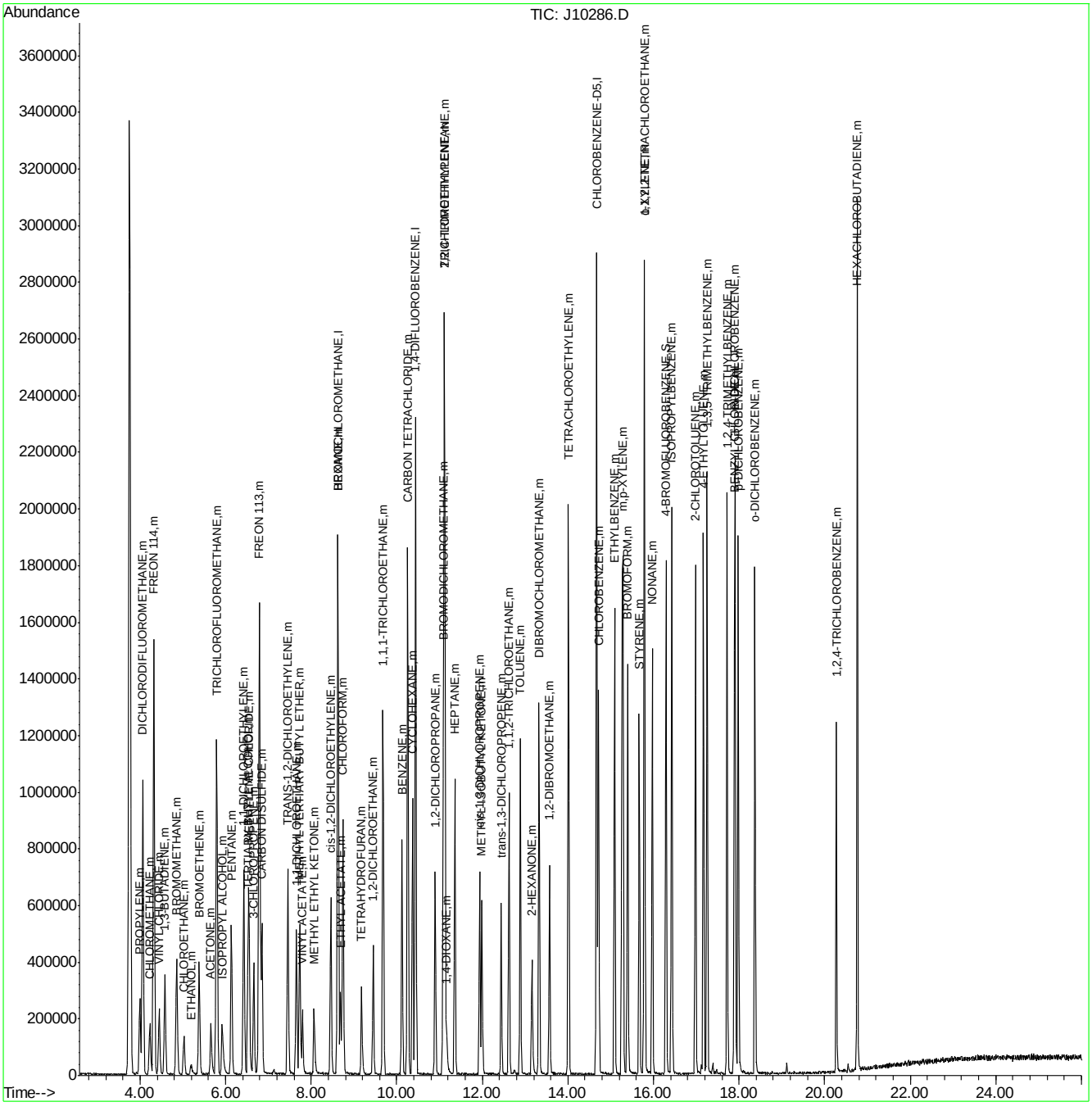
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.98	43	366654	8.87	PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.94	75	349534	9.62	PPBV	98
46) TOLUENE	12.89	92	462783	9.02	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.44	75	290402	7.07	PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.62	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 M64940

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

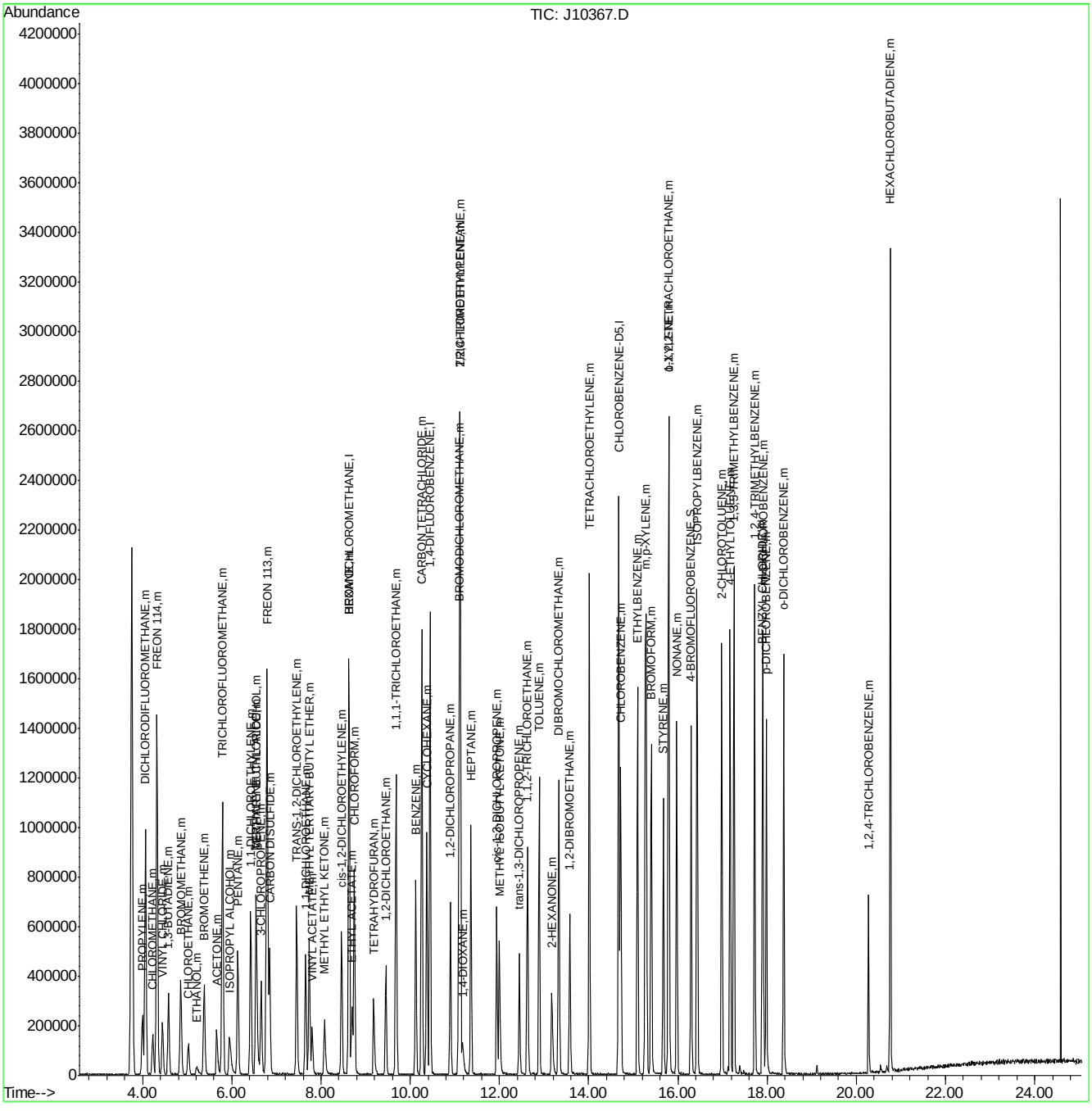
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.99	43	375285	11.16	PPBV	99
45) cis-1,3-DICHLOROPROPENE	11.94	75	340086	11.50	PPBV	99
46) TOLUENE	12.89	92	482205	11.55	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.45	75	251847	7.44	PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.62	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
05/16/07 18:03

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3387.D
Acq On : 15 May 2007 5:12 pm
Operator : PhilipB
Sample : IC185-2 (M060)
Misc : MS13535,MSQ185,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 15 17:38:39 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 : Tue May 15 16:13:49 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.422	128	122843	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.343	114	613891	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.694	117	545288	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.332	95	217174	4.82	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 96.40%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	3.593	85	208384	2.32	PPBV	86
3) PROPYLENE	3.520	41	62735	2.50	PPBV	86
4) FREON 114	3.858	85	208312	2.42	PPBV #	100
5) CHLOROMETHANE	3.760	50	82021	2.52	PPBV	92
6) VINYL CHLORIDE	3.982	62	72469	2.53	PPBV	73
7) 1,3-BUTADIENE	4.120	39	61434	2.52	PPBV #	100
8) BROMOMETHANE	4.399	94	67244	2.45	PPBV #	100
9) CHLOROETHANE	4.571	64	31098	2.54	PPBV #	100
10) TRICHLOROFLUOROMETHANE	5.389	101	214239	2.41	PPBV #	100
11) ISOPROPYL ALCOHOL	5.442	45	105526	2.66	PPBV	91
12) ACETONE	5.190	43	104671	2.68	PPBV #	71
13) PENTANE	5.765	42	56825	2.86	PPBV #	100
14) 1,1-DICHLOROETHYLENE	6.065	96	57066	2.37	PPBV #	22
15) CARBON DISULFIDE	6.525	76	139381	2.35	PPBV	67
16) ETHANOL	4.669	45	24015	2.71	PPBV #	100
17) BROMOETHENE	4.940	106	67917	2.41	PPBV #	100
18) METHYLENE CHLORIDE	6.191	84	63785	3.26	PPBV #	1
19) 3-CHLOROPROPENE	6.316	39	44837	2.49	PPBV #	1
20) FREON 113	6.468	151	109797	2.11	PPBV #	100
21) TRANS-1,2-DICHLOROETHY...	7.182	96	52419	2.17	PPBV #	100
22) TERTIARY BUTYL ALCOHOL	6.090	59	118964	2.72	PPBV #	100
23) METHYL TERTIARY BUTYL ...	7.444	73	115051	2.10	PPBV #	100
24) TETRAHYDROFURAN	8.956	42	88300	2.60	PPBV #	100
25) HEXANE	8.458	57	89941	2.55	PPBV #	100
26) VINYL ACETATE	7.530	43	194754	4.24	PPBV	89
27) 1,1-DICHLOROETHANE	7.386	63	113481	2.70	PPBV #	100
28) METHYL ETHYL KETONE	7.792	43	168665	2.67	PPBV	87
29) cis-1,2-DICHLOROETHYLENE	8.248	96	45711	2.18	PPBV #	100
30) ETHYL ACETATE	8.460	43	270261	2.73	PPBV	100
31) CHLOROFORM	8.548	83	124604	2.32	PPBV #	100
32) 1,1,1-TRICHLOROETHANE	9.549	97	121879	2.08	PPBV	90
33) CARBON TETRACHLORIDE	10.160	117	128126	1.94	PPBV	94
34) 1,2-DICHLOROETHANE	9.297	62	99543	2.20	PPBV	100
36) BENZENE	10.009	78	141084	2.17	PPBV	89
37) CYCLOHEXANE	10.282	84	49118	2.06	PPBV #	31
38) TRICHLOROETHYLENE	11.047	95	72286	1.91	PPBV #	82
39) 1,2-DICHLOROPROPANE	10.822	63	68885	2.16	PPBV #	58
40) BROMODICHLOROMETHANE	11.008	83	120366	1.90	PPBV	98
41) 2,2,4-TRIMETHYLPENTANE	11.070	57	328884	2.21	PPBV #	92
42) 1,4-DIOXANE	11.044	88	25019	1.88	PPBV #	5
43) HEPTANE	11.322	43	140755	2.25	PPBV #	75

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3387.D
Acq On : 15 May 2007 5:12 pm
Operator : PhilipB
Sample : IC185-2 (M060)
Misc : MS13535,MSQ185,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 15 17:38:39 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 : Tue May 15 16:13:49 2007
Response via : Initial Calibration

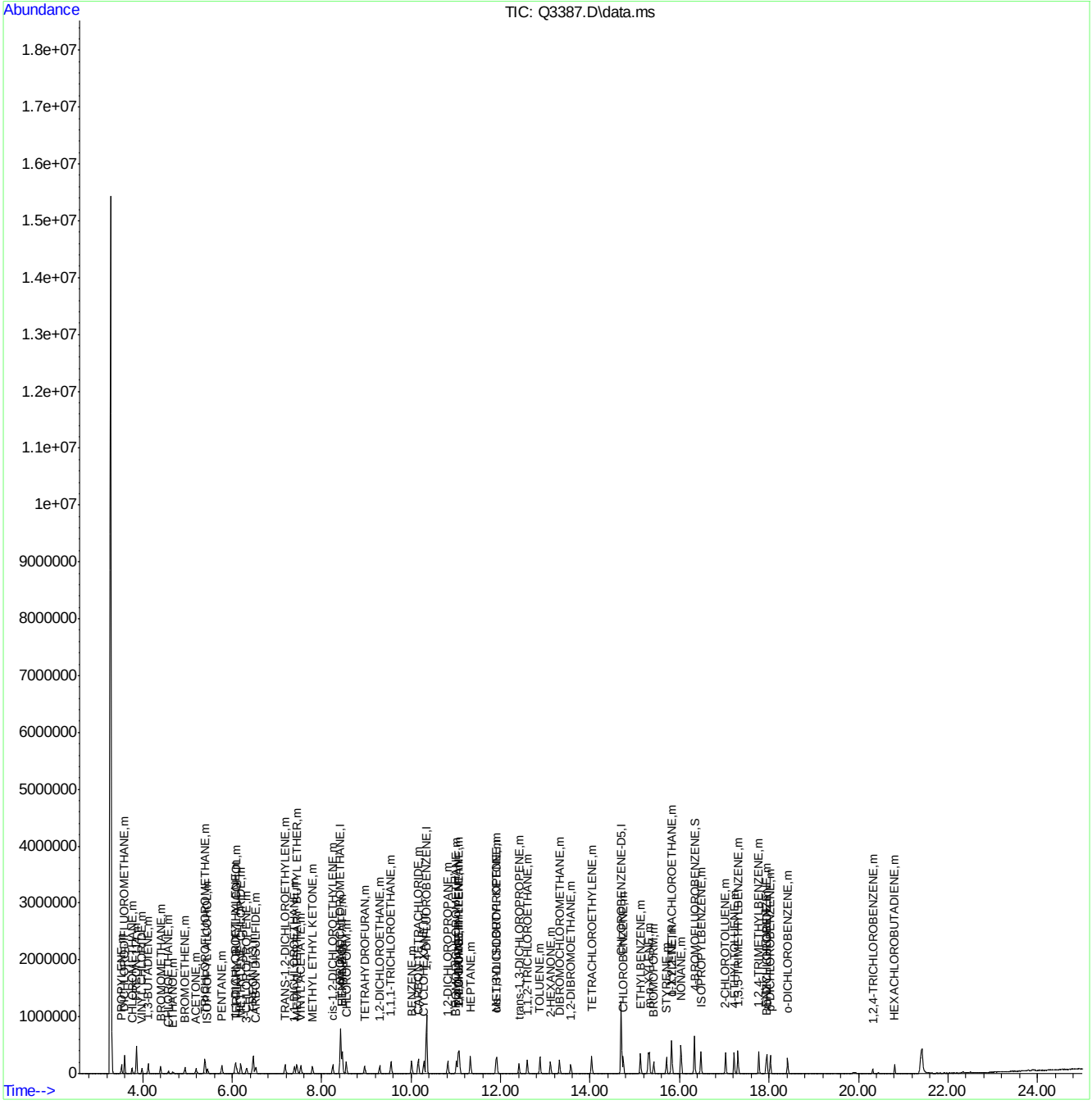
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.915	43	190844	2.13	PPBV	93
45) cis-1,3-DICHLOROPROPENE	11.897	75	86189	1.87	PPBV	99
46) TOLUENE	12.882	92	94014	1.91	PPBV	96
47) trans-1,3-DICHLOROPROPENE	12.412	75	73578	1.75	PPBV #	99
48) 1,1,2-TRICHLOROETHANE	12.597	83	56902	2.05	PPBV	91
50) 2-HEXANONE	13.113	43	156095	1.97	PPBV	96
51) TETRACHLOROETHYLENE	14.036	164	46283	1.55	PPBV #	80
52) DIBROMOCHLOROMETHANE	13.313	129	106166	1.66	PPBV	99
53) 1,2-DIBROMOETHANE	13.566	107	98508	1.81	PPBV	99
54) CHLOROBENZENE	14.740	112	125797	1.86	PPBV	90
55) ETHYLBENZENE	15.126	91	218178	1.85	PPBV	94
56) m,p-XYLENE	15.321	106	150900m	3.48	PPBV	
57) o-XYLENE	15.827	106	74275	1.68	PPBV	90
58) STYRENE	15.708	104	104058	1.66	PPBV	98
59) NONANE	16.034	43	217176	2.23	PPBV	82
60) BROMOFORM	15.418	173	76195	1.38	PPBV	98
62) 1,1,2,2-TETRACHLOROETHANE	15.819	83	131599	1.80	PPBV	95
63) ISOPROPYLBENZENE	16.478	105	220668	1.73	PPBV	96
64) 2-CHLOROTOLUENE	17.030	91	171650	1.73	PPBV	92
65) 4-ETHYLTOLUENE	17.222	105	191946	1.63	PPBV	92
66) 1,3,5-TRIMETHYLBENZENE	17.303	105	177757	1.63	PPBV	93
67) 1,2,4-TRIMETHYLBENZENE	17.770	105	164475	1.52	PPBV	92
68) m-DICHLOROBENZENE	17.955	146	90859	1.37	PPBV	94
69) BENZYL CHLORIDE	17.931	91	108545	1.29	PPBV	92
70) p-DICHLOROBENZENE	18.029	146	89910	1.41	PPBV	93
71) o-DICHLOROBENZENE	18.416	146	74132	1.29	PPBV	93
72) HEXACHLOROBUTADIENE	20.808	225	13993	1.10	PPBV	97
73) 1,2,4-TRICHLOROBENZENE	20.322	180	14039	1.75	PPBV	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3387.D
Acq On : 15 May 2007 5:12 pm
Operator : PhilipB
Sample : IC185-2 (M060)
Misc : MS13535,MSQ185,,,,,1
ALS Vial : 1 Sample Multiplier: 1

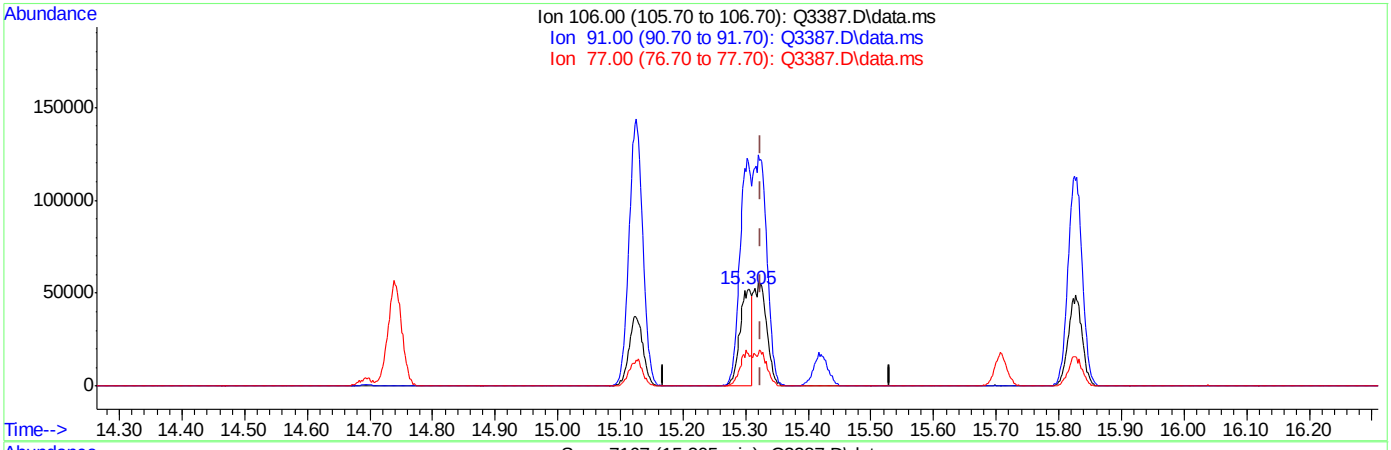
Quant Time: May 15 17:38:39 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 15 16:13:49 2007
Response via : Initial Calibration

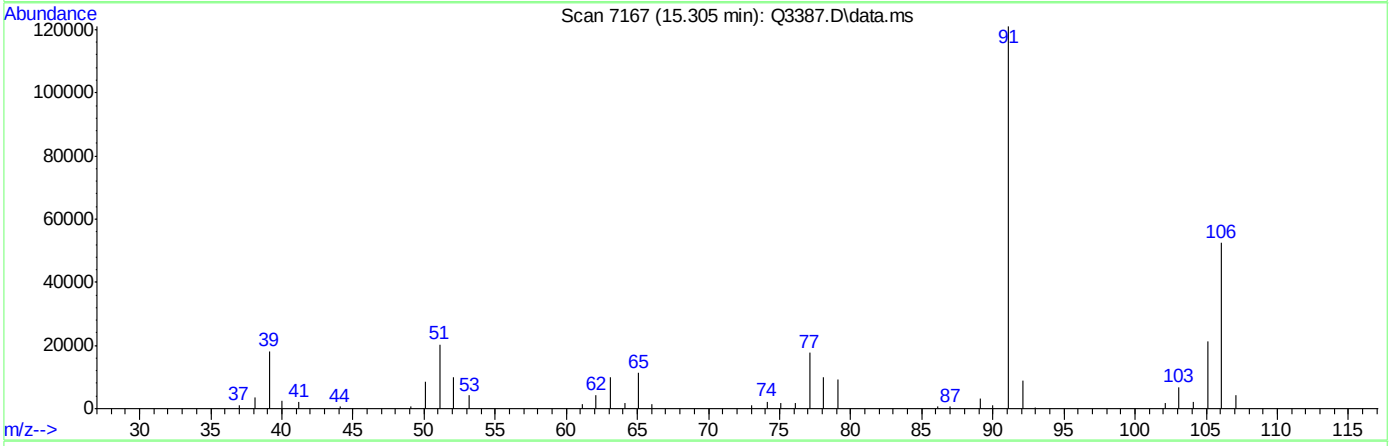


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3387.D
Acq On : 15 May 2007 5:12 pm
Operator : PhilipB
Sample : IC185-2 (M060)
Misc : MS13535,MSQ185,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 15 17:38:09 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 : Tue May 15 16:13:49 2007
Response via : Initial Calibration





TIC: Q3387.D\data.ms

(56) m,p-XYLENE (m)

15.305min (-0.019) 1.61PPBV

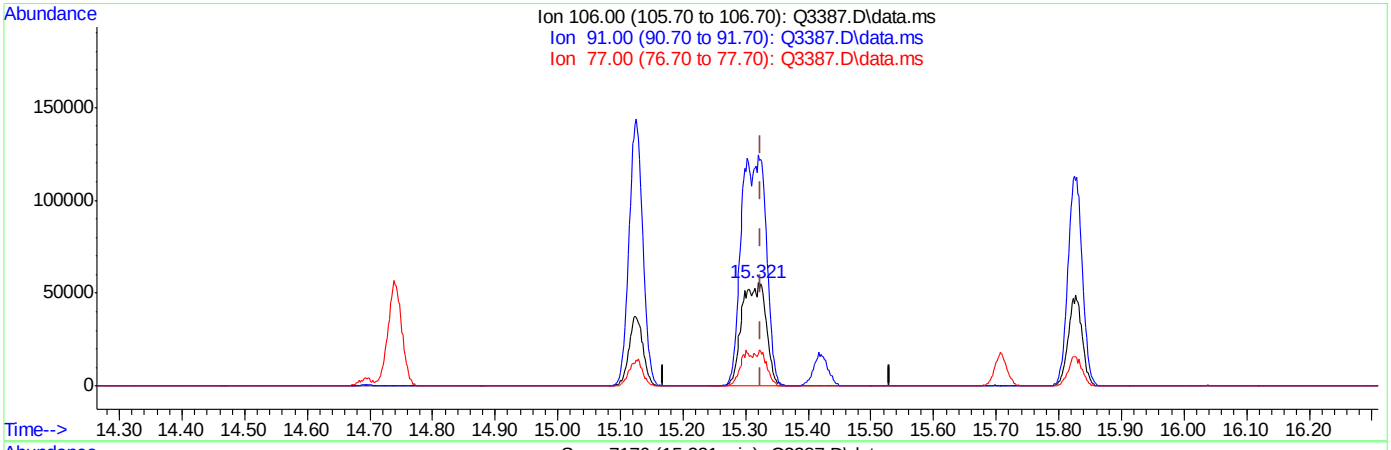
response 69695

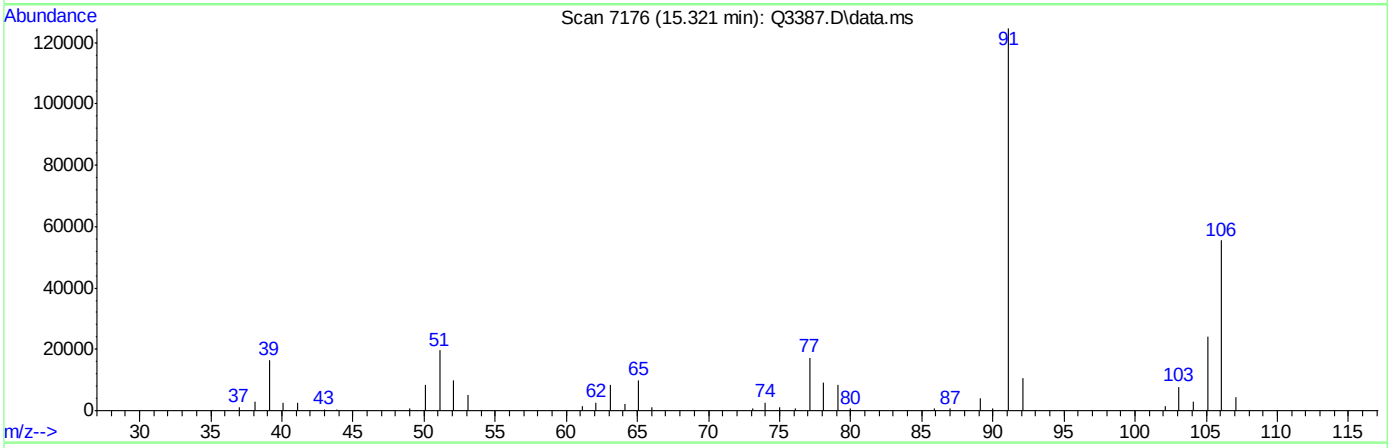
Ion	Exp%	Act%
106.00	100	100
91.00	204.20	231.05
77.00	30.60	33.87
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3387.D
Acq On : 15 May 2007 5:12 pm
Operator : PhilipB
Sample : IC185-2 (M060)
Misc : MS13535,MSQ185,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 15 17:38:09 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 : Tue May 15 16:13:49 2007
Response via : Initial Calibration





TIC: Q3387.D\data.ms

(56) m,p-XYLENE (m)

15.321min (-0.004) 3.48PPBV m

response 150900

Ion	Exp%	Act%
106.00	100	100
91.00	204.20	224.73
77.00	30.60	31.22
0.00	0.00	0.00

ACCUTEST Laboratories M64940

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
05/16/07 18:03

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3389.D
Acq On : 15 May 2007 6:37 pm
Operator : PhilipB
Sample : IC185-.2(M044)
Misc : MS13535,MSQ185,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 15 19:01:14 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 : Tue May 15 18:28:40 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.419	128	89822	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.342	114	448955	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.694	117	361598	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.332	95	152465	5.13	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 102.60%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	3.593	85	13893	0.21	PPBV	84
3) PROPYLENE	3.522	41	5278	0.26	PPBV #	77
4) FREON 114	3.857	85	13394	0.21	PPBV #	100
5) CHLOROMETHANE	3.760	50	5951	0.23	PPBV	78
6) VINYL CHLORIDE	3.985	62	4878	0.22	PPBV	74
7) 1,3-BUTADIENE	4.118	39	5931	0.31	PPBV #	100
8) BROMOMETHANE	4.399	94	3705	0.18	PPBV #	100
9) CHLOROETHANE	4.569	64	1930m	0.20	PPBV	
10) TRICHLOROFLUOROMETHANE	5.385	101	15250	0.23	PPBV #	100
11) ISOPROPYL ALCOHOL	5.449	45	15779	0.45	PPBV	93
12) ACETONE	5.192	43	15719	0.46	PPBV #	77
13) PENTANE	5.767	42	5780	0.35	PPBV #	100
14) 1,1-DICHLOROETHYLENE	6.074	96	3740	0.20	PPBV #	12
15) CARBON DISULFIDE	6.520	76	9661	0.22	PPBV #	30
16) ETHANOL	4.677	45	4543	0.53	PPBV	100
17) BROMOETHENE	4.935	106	3981	0.19	PPBV #	100
18) METHYLENE CHLORIDE	6.189	84	7955	0.40	PPBV #	1
19) 3-CHLOROPROPENE	6.312	39	4493	0.31	PPBV #	1
20) FREON 113	6.465	151	8059	0.21	PPBV #	100
21) TRANS-1,2-DICHLOROETHY...	7.178	96	3704	0.21	PPBV #	100
22) TERTIARY BUTYL ALCOHOL	6.104	59	9432	0.27	PPBV #	100
23) METHYL TERTIARY BUTYL ...	7.451	73	9104	0.23	PPBV	100
24) TETRAHYDROFURAN	8.979	42	5208	0.20	PPBV	100
25) HEXANE	8.463	57	6272	0.23	PPBV #	100
26) VINYL ACETATE	7.531	43	9146	0.22	PPBV	75
27) 1,1-DICHLOROETHANE	7.396	63	7472	0.23	PPBV #	100
28) METHYL ETHYL KETONE	7.799	43	12311	0.24	PPBV	76
29) cis-1,2-DICHLOROETHYLENE	8.245	96	2293	0.15	PPBV #	100
30) ETHYL ACETATE	8.466	43	18708	0.24	PPBV #	100
31) CHLOROFORM	8.543	83	8897	0.22	PPBV #	100
32) 1,1,1-TRICHLOROETHANE	9.549	97	7764m	0.19	PPBV	
33) CARBON TETRACHLORIDE	10.152	117	8027	0.18	PPBV	92
34) 1,2-DICHLOROETHANE	9.299	62	6574	0.20	PPBV #	98
36) BENZENE	10.011	78	8420	0.18	PPBV	97
37) CYCLOHEXANE	10.275	84	2220	0.14	PPBV #	19
38) TRICHLOROETHYLENE	11.051	95	3516	0.14	PPBV #	75
39) 1,2-DICHLOROPROPANE	10.813	63	3945	0.17	PPBV #	52
40) BROMODICHLOROMETHANE	11.013	83	7185	0.17	PPBV	93
41) 2,2,4-TRIMETHYLPENTANE	11.068	57	17081	0.16	PPBV #	94
42) 1,4-DIOXANE	11.056	88	1587	0.17	PPBV #	1
43) HEPTANE	11.324	43	6671	0.15	PPBV #	66

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3389.D
Acq On : 15 May 2007 6:37 pm
Operator : PhilipB
Sample : IC185-.2(M044)
Misc : MS13535,MSQ185,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 15 19:01:14 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 : Tue May 15 18:28:40 2007
Response via : Initial Calibration

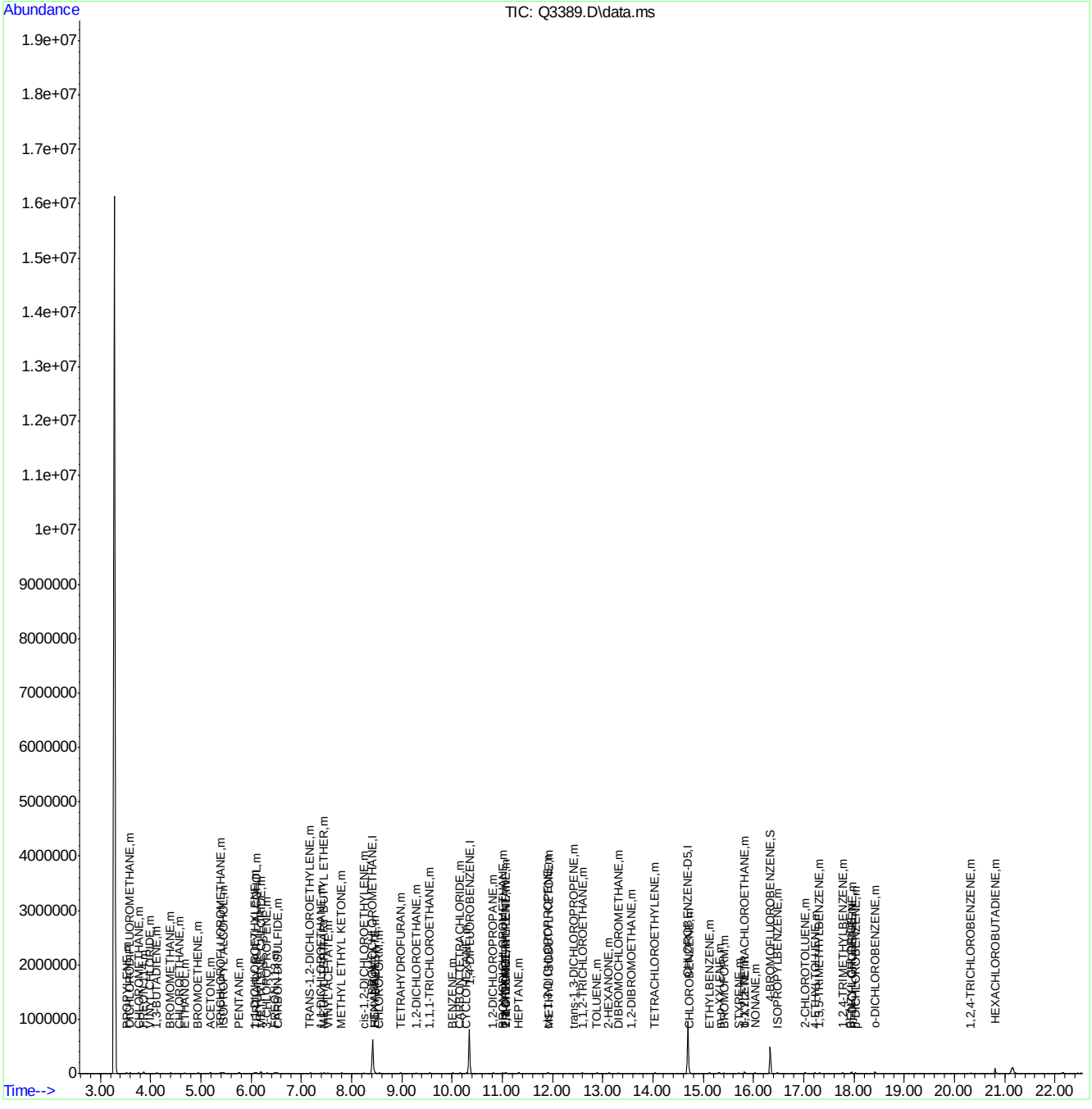
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) METHYL ISOBUTYL KETONE	11.920	43	9555	0.15	PPBV		84
45) cis-1,3-DICHLOROPROPENE	11.895	75	4173	0.14	PPBV		93
46) TOLUENE	12.884	92	4089	0.12	PPBV	#	81
47) trans-1,3-DICHLOROPROPENE	12.412	75	2997	0.11	PPBV	#	80
48) 1,1,2-TRICHLOROETHANE	12.593	83	3083	0.16	PPBV		90
50) 2-HEXANONE	13.118	43	10136	0.19	PPBV	#	83
51) TETRACHLOROETHYLENE	14.029	164	1868	0.11	PPBV	#	55
52) DIBROMOCHLOROMETHANE	13.315	129	5272	0.14	PPBV		96
53) 1,2-DIBROMOETHANE	13.567	107	4975	0.15	PPBV	#	90
54) CHLOROBENZENE	14.737	112	6120	0.15	PPBV		85
55) ETHYLBENZENE	15.131	91	9941	0.14	PPBV		83
56) m,p-XYLENE	15.324	106	6463m	0.25	PPBV		
57) o-XYLENE	15.825	106	3584	0.14	PPBV		89
58) STYRENE	15.706	104	3255	0.09	PPBV		98
59) NONANE	16.032	43	11082	0.17	PPBV	#	72
60) BROMOFORM	15.425	173	3903	0.13	PPBV	#	72
62) 1,1,2,2-TETRACHLOROETHANE	15.818	83	9968	0.21	PPBV		92
63) ISOPROPYLBENZENE	16.476	105	11414	0.15	PPBV		91
64) 2-CHLOROTOLUENE	17.028	91	9634	0.16	PPBV		89
65) 4-ETHYLTOLUENE	17.218	105	9884m	0.14	PPBV		
66) 1,3,5-TRIMETHYLBENZENE	17.307	105	11175	0.17	PPBV		91
67) 1,2,4-TRIMETHYLBENZENE	17.772	105	10547	0.16	PPBV		90
68) m-DICHLOROBENZENE	17.956	146	6379	0.17	PPBV		94
69) BENZYL CHLORIDE	17.931	91	7819	0.16	PPBV		87
70) p-DICHLOROBENZENE	18.031	146	4813	0.13	PPBV		89
71) o-DICHLOROBENZENE	18.414	146	7856	0.23	PPBV		91
72) HEXACHLOROBUTADIENE	20.806	225	7693	0.62	PPBV		96
73) 1,2,4-TRICHLOROBENZENE	20.317	180	2282	0.37	PPBV		85

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3389.D
Acq On : 15 May 2007 6:37 pm
Operator : PhilipB
Sample : IC185-.2(M044)
Misc : MS13535,MSQ185,,,,,1
ALS Vial : 2 Sample Multiplier: 1

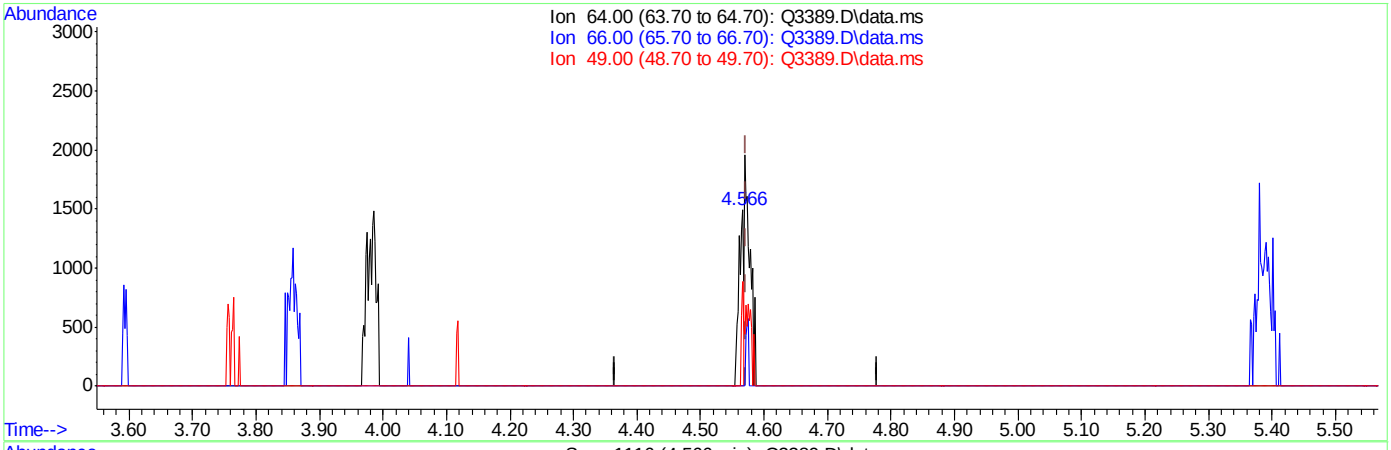
Quant Time: May 15 19:01:14 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 15 18:28:40 2007
Response via : Initial Calibration

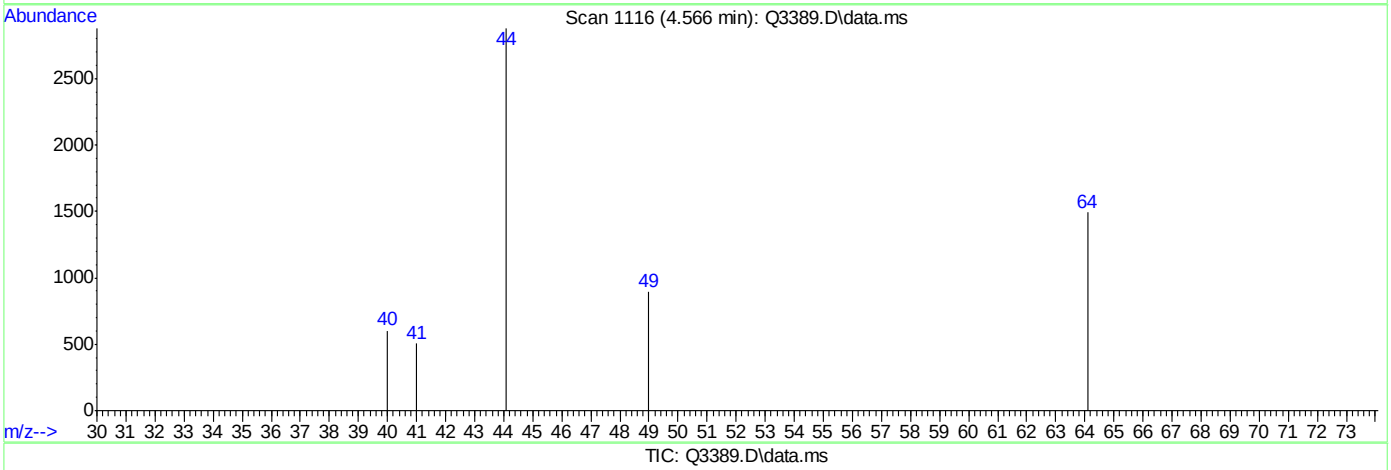


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3389.D
Acq On : 15 May 2007 6:37 pm
Operator : PhilipB
Sample : IC185-.2(M044)
Misc : MS13535,MSQ185,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 15 19:00:24 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 : Tue May 15 18:28:40 2007
Response via : Initial Calibration





TIC: Q3389.D\data.ms

(9) CHLOROETHANE (m)

4.566min (-0.007) 0.08PPBV

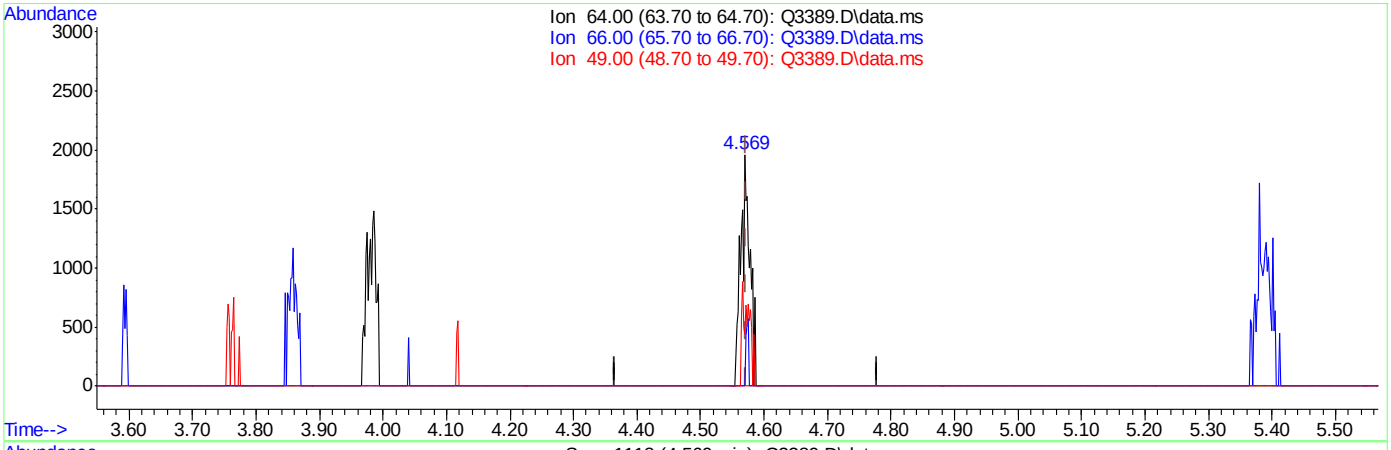
response 754

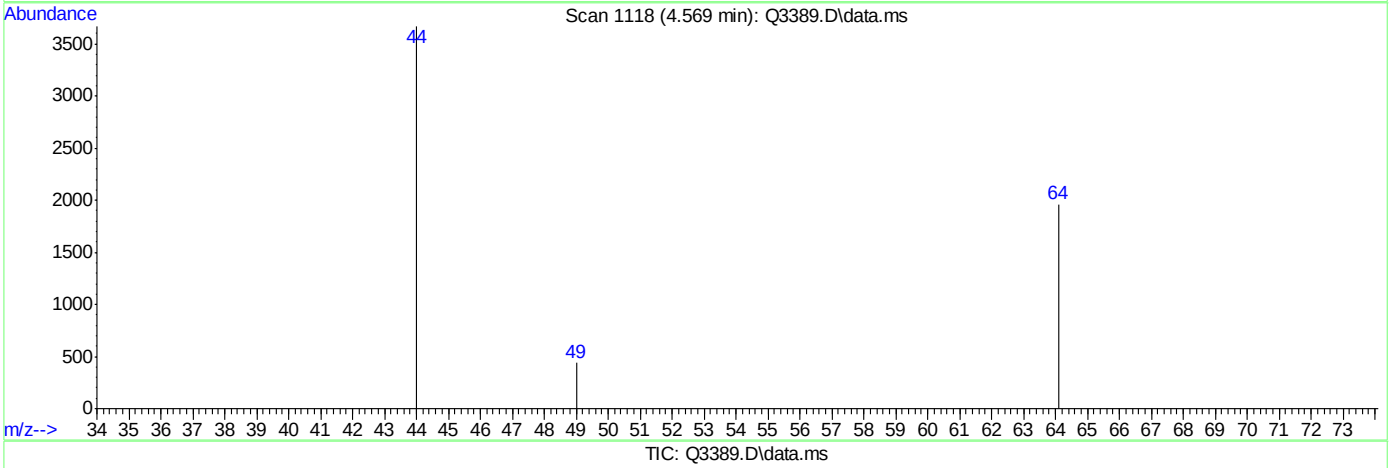
Ion	Exp%	Act%
64.00	100	100
66.00	0.00	21.49#
49.00	0.00	91.11#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3389.D
Acq On : 15 May 2007 6:37 pm
Operator : PhilipB
Sample : IC185-.2(M044)
Misc : MS13535,MSQ185,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 15 19:00:24 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 : Tue May 15 18:28:40 2007
Response via : Initial Calibration





TIC: Q3389.D\data.ms

(9) CHLOROETHANE (m)

4.569min (-0.004) 0.20PPBV m

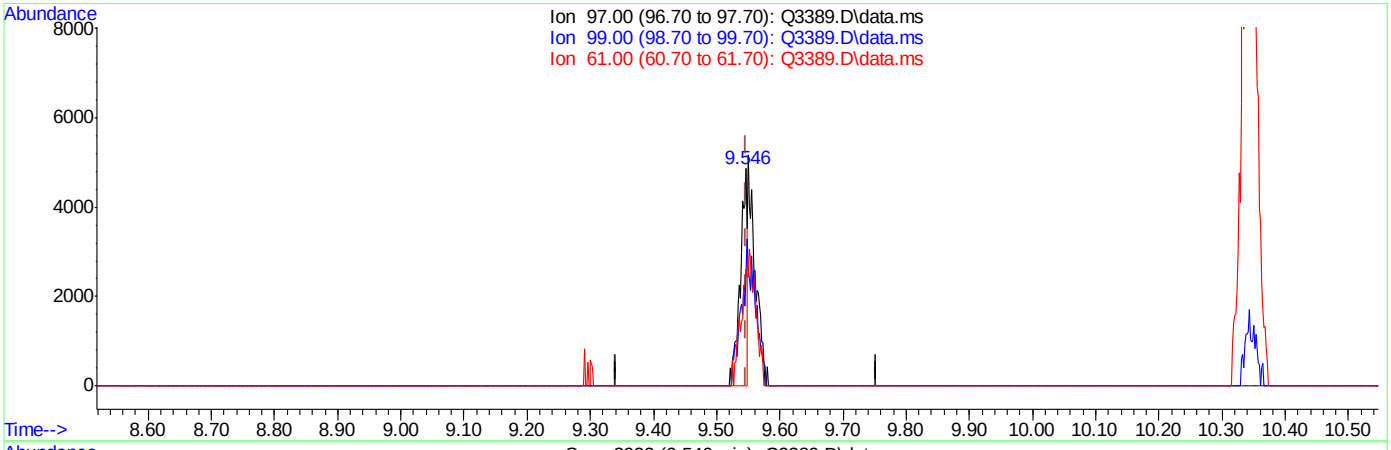
response 1930

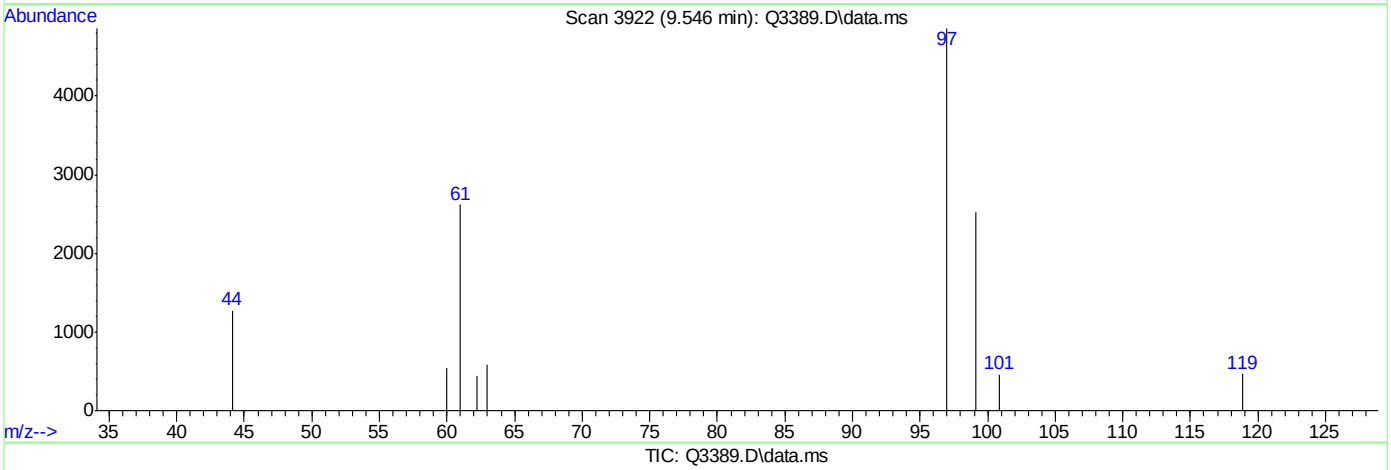
Ion	Exp%	Act%
64.00	100	100
66.00	0.00	8.39
49.00	0.00	35.60#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3389.D
Acq On : 15 May 2007 6:37 pm
Operator : PhilipB
Sample : IC185-.2(M044)
Misc : MS13535,MSQ185,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 15 19:00:24 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 : Tue May 15 18:28:40 2007
Response via : Initial Calibration





TIC: Q3389.D\data.ms

(32) 1,1,1-TRICHLOROETHANE (m)

9.546min (-0.002) 0.09PPBV

response 3655

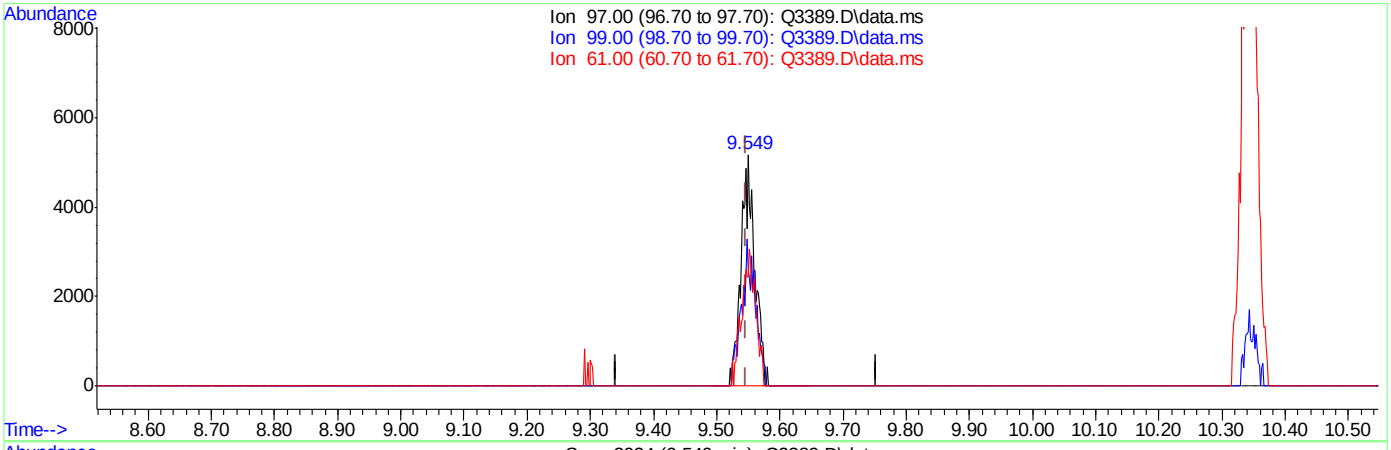
Ion	Exp%	Act%
97.00	100	100
99.00	63.00	135.62#
61.00	38.00	128.56#
0.00	0.00	0.00

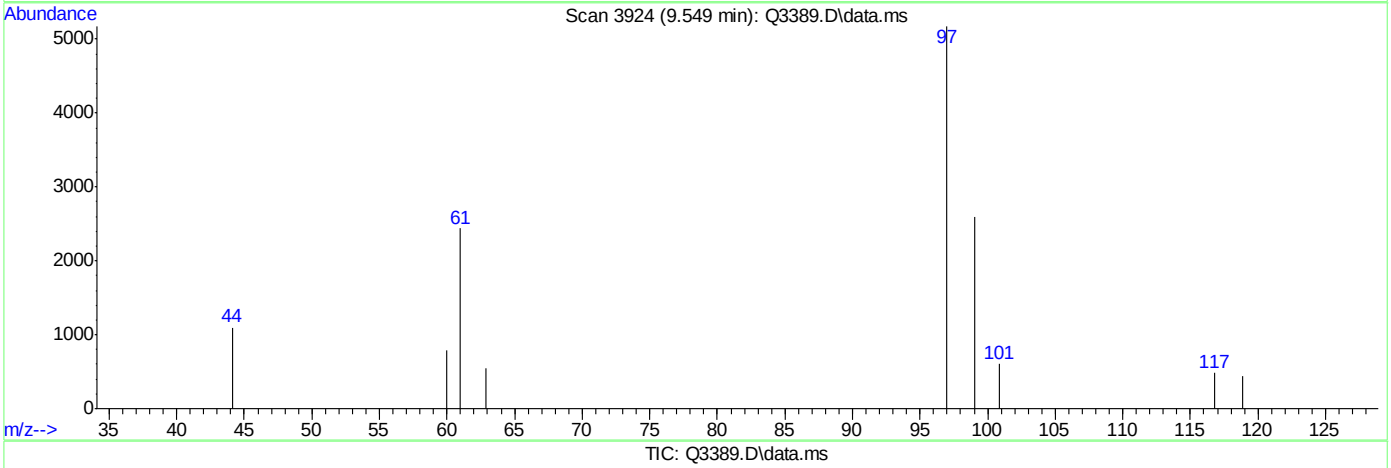
ACCUTEST Laboratories M64940

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3389.D
Acq On : 15 May 2007 6:37 pm
Operator : PhilipB
Sample : IC185-.2(M044)
Misc : MS13535,MSQ185,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 15 19:00:24 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 : Tue May 15 18:28:40 2007
Response via : Initial Calibration





TIC: Q3389.D\data.ms

(32) 1,1,1-TRICHLOROETHANE (m)

9.549min (+0.002) 0.19PPBV m

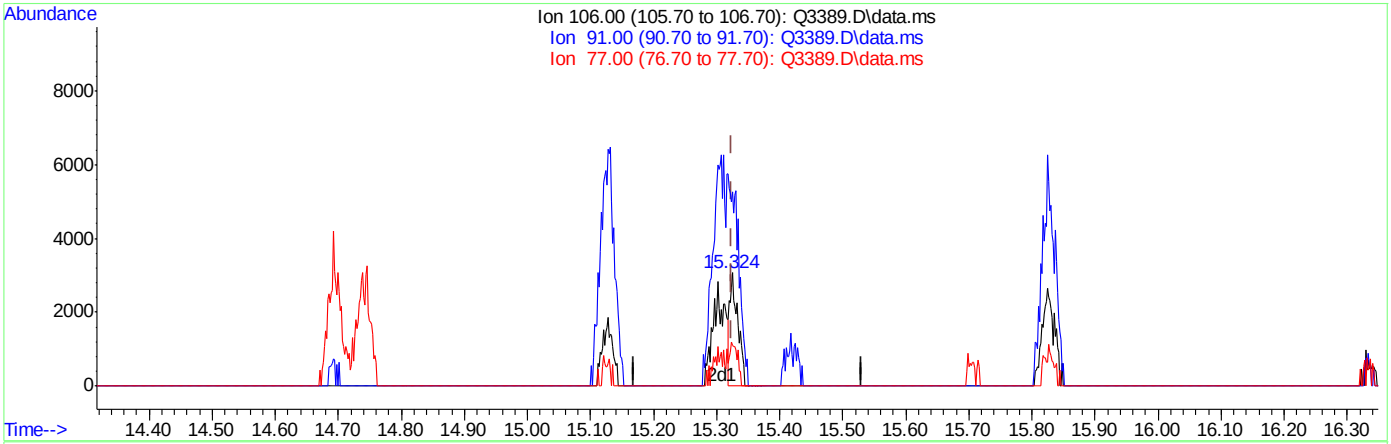
response 7764

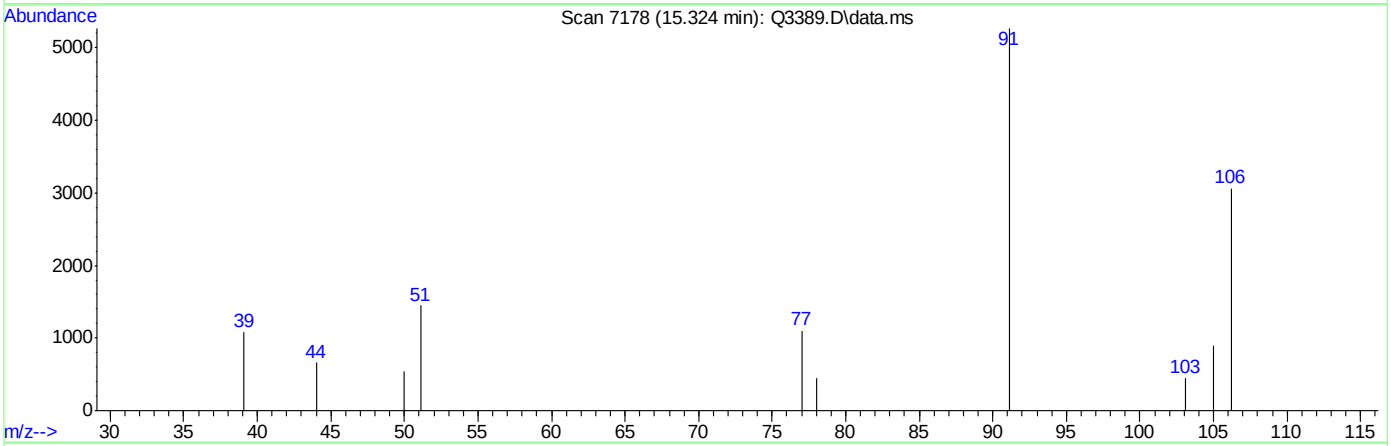
Ion	Exp%	Act%
97.00	100	100
99.00	63.00	63.85
61.00	38.00	60.52#
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3389.D
Acq On    : 15 May 2007   6:37 pm
Operator  : PhilipB
Sample    : IC185-.2(M044)
Misc      : MS13535,MSQ185,,,,,1
ALS Vial  : 2   Sample Multiplier: 1

Quant Time: May 15 19:00:24 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 : Tue May 15 18:28:40 2007
Response via : Initial Calibration
```



TIC: Q3389.D\data.ms

(56) m,p-XYLENE (m)

15.324min (-0.000) 0.11PPBV

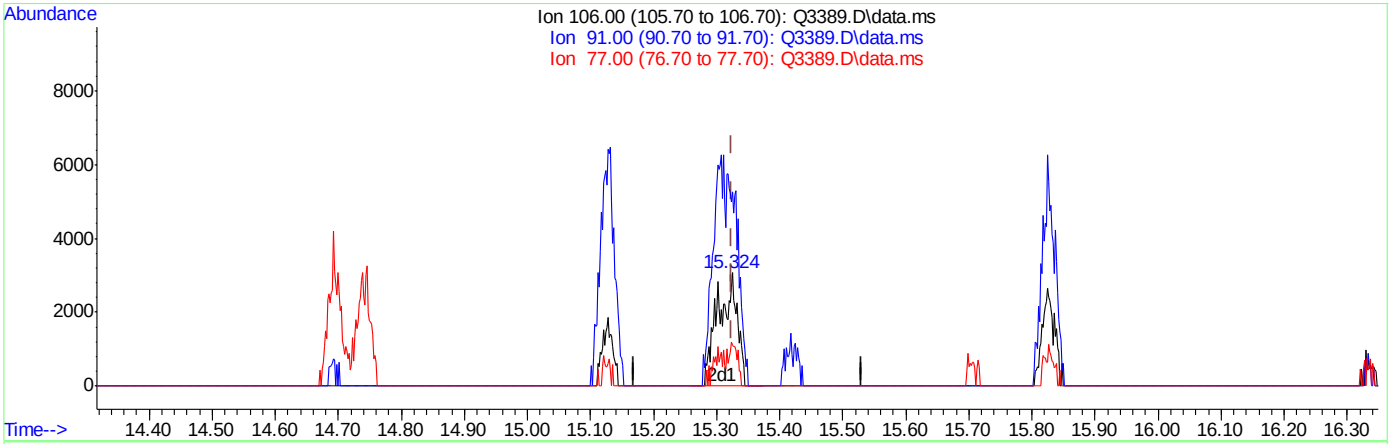
response 2752

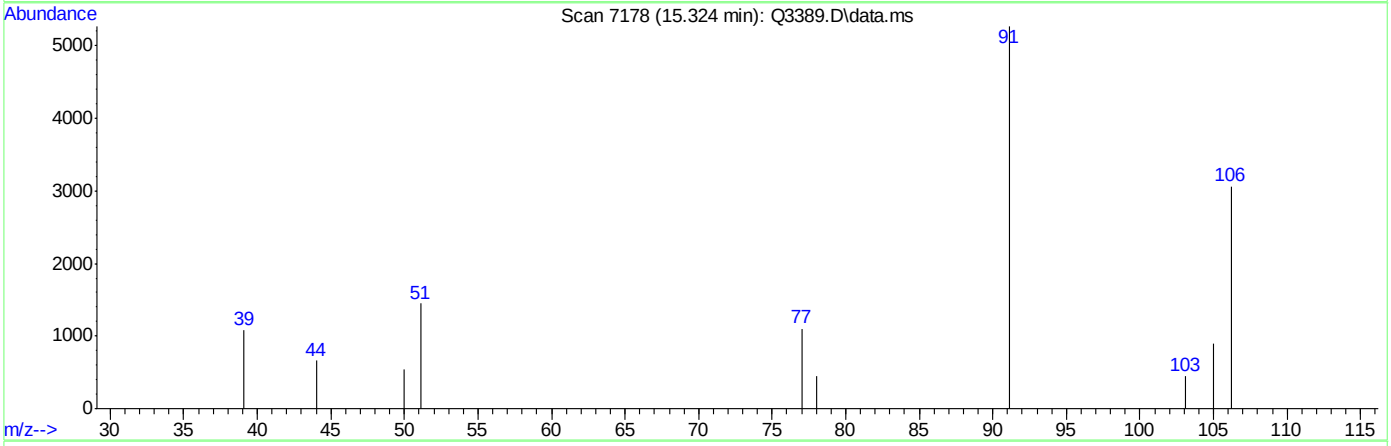
Ion	Exp%	Act%
106.00	100	100
91.00	204.20	171.91
77.00	30.60	35.92
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3389.D
Acq On : 15 May 2007 6:37 pm
Operator : PhilipB
Sample : IC185-.2(M044)
Misc : MS13535,MSQ185,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 15 19:00:24 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 : Tue May 15 18:28:40 2007
Response via : Initial Calibration





TIC: Q3389.D\data.ms

(56) m,p-XYLENE (m)

15.324min (-0.000) 0.25PPBV m

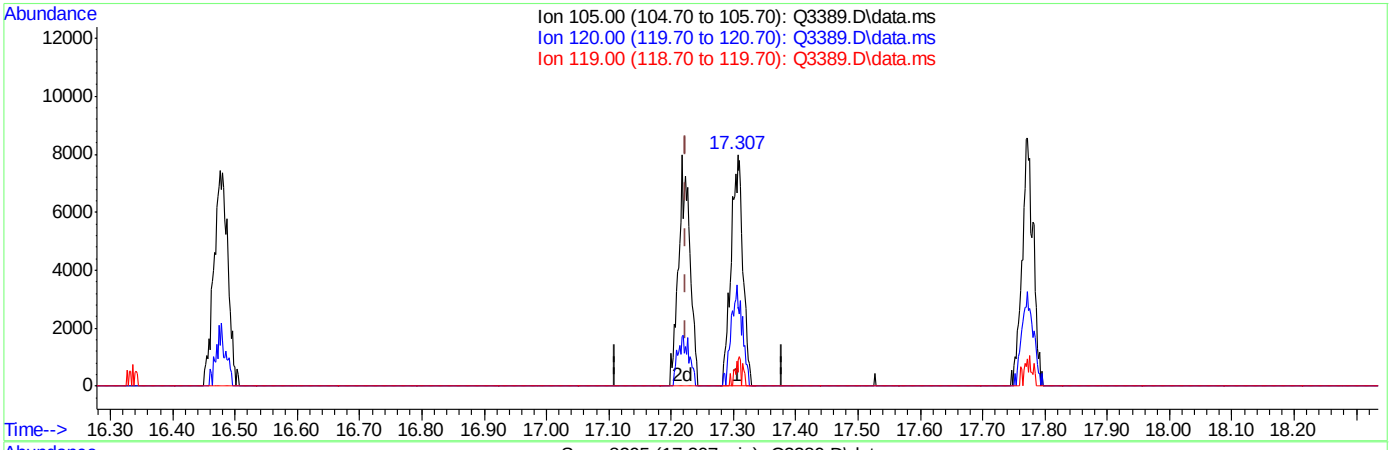
response 6463

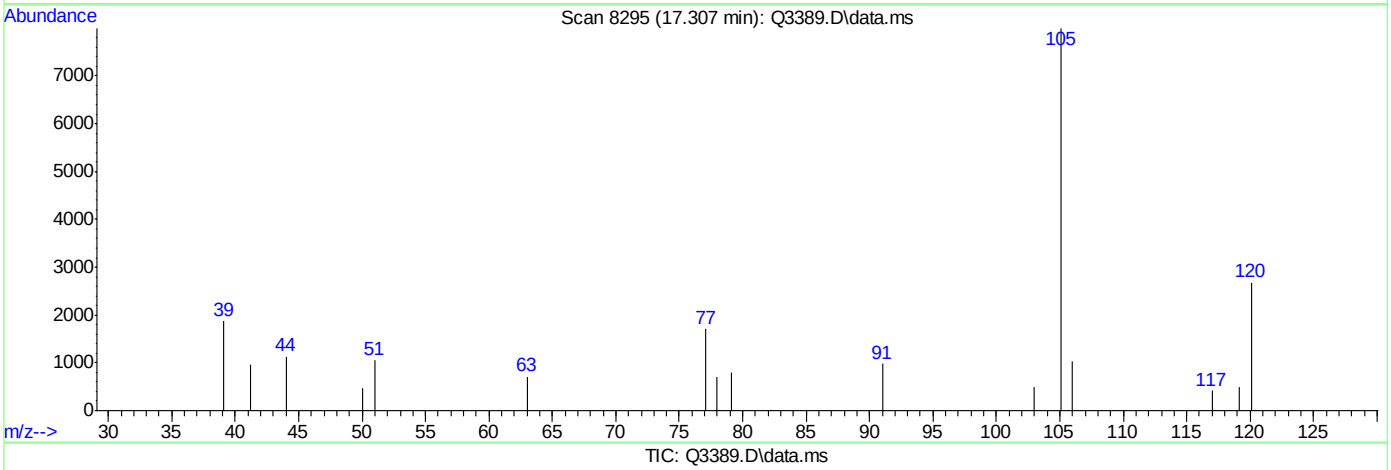
Ion	Exp%	Act%
106.00	100	100
91.00	204.20	171.91
77.00	30.60	35.92
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3389.D
Acq On    : 15 May 2007   6:37 pm
Operator  : PhilipB
Sample    : IC185-.2(M044)
Misc      : MS13535,MSQ185,,,,,1
ALS Vial  : 2   Sample Multiplier: 1

Quant Time: May 15 19:00:24 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 : Tue May 15 18:28:40 2007
Response via : Initial Calibration
```



TIC: Q3389.D\data.ms

(65) 4-ETHYLTOLUENE (m)

17.307min (+0.083) 0.16PPBV

response 11178

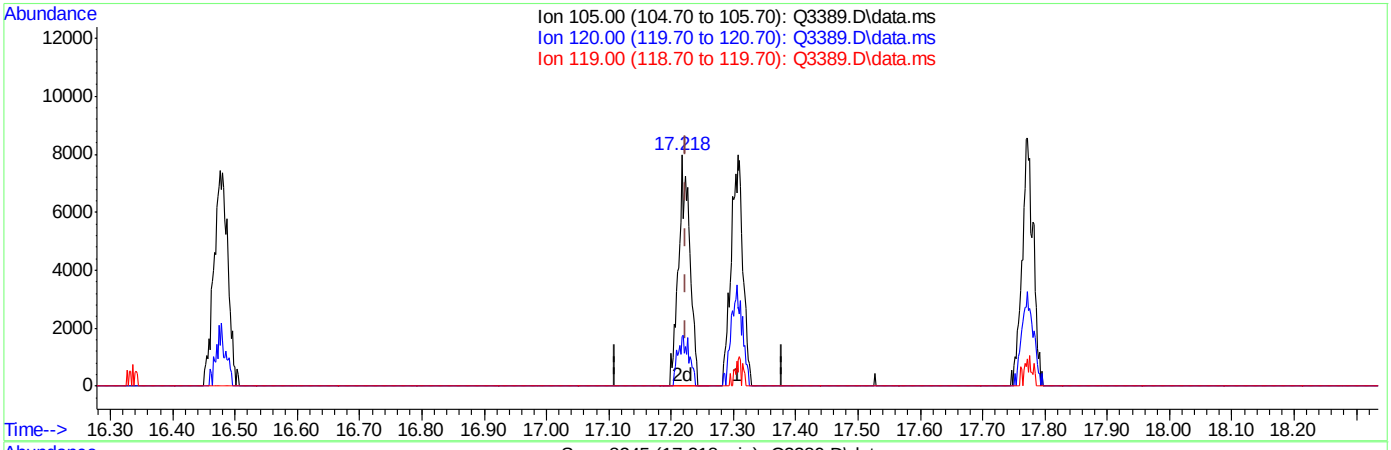
Ion	Exp%	Act%
105.00	100	100
120.00	30.20	40.09
119.00	2.30	7.57
0.00	0.00	0.00

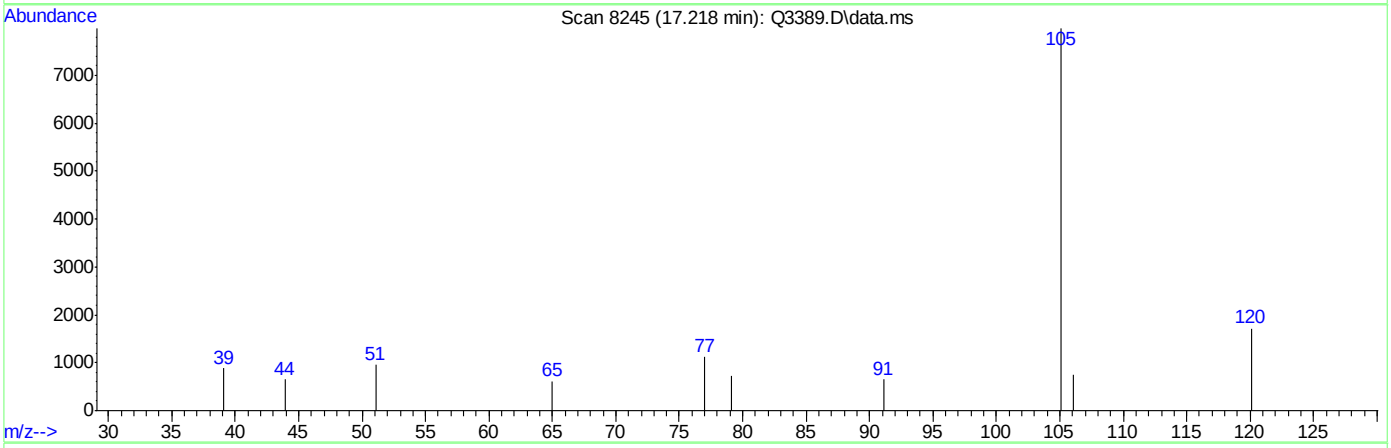
ACCUTEST Laboratories M64940

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3389.D
Acq On : 15 May 2007 6:37 pm
Operator : PhilipB
Sample : IC185-.2(M044)
Misc : MS13535,MSQ185,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 15 19:00:24 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 : Tue May 15 18:28:40 2007
Response via : Initial Calibration





TIC: Q3389.D\data.ms

(65) 4-ETHYLTOLUENE (m)

17.218min (-0.005) 0.14PPBV m

response 9884

Ion	Exp%	Act%
105.00	100	100
120.00	30.20	45.34
119.00	2.30	8.56
0.00	0.00	0.00

ACCUTEST Laboratories M64940

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3390.D
Acq On : 15 May 2007 7:16 pm
Operator : PhilipB
Sample : IC185-40 (M060)
Misc : MS13535,MSQ185,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 15 19:45:44 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 : Tue May 15 19:01:44 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.429	128	94425	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.350	114	443847	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.701	117	420269	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.340	95	183630	5.30	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 106.00%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	3.595	85	2411405	33.93	PPBV	84
3) PROPYLENE	3.524	41	740306	33.53	PPBV	87
4) FREON 114	3.859	85	2314983	33.64	PPBV #	100
5) CHLOROMETHANE	3.762	50	947674	34.03	PPBV	95
6) VINYL CHLORIDE	3.984	62	798650	33.71	PPBV	72
7) 1,3-BUTADIENE	4.124	39	926261	41.86	PPBV #	100
8) BROMOMETHANE	4.401	94	708158	32.75	PPBV #	100
9) CHLOROETHANE	4.575	64	355314	35.12	PPBV #	100
10) TRICHLOROFLUOROMETHANE	5.393	101	2899853	40.08	PPBV #	100
11) ISOPROPYL ALCOHOL	5.453	45	1697334	37.83	PPBV	95
12) ACETONE	5.190	43	1613631	37.04	PPBV #	76
13) PENTANE	5.771	42	846475	42.92	PPBV #	100
14) 1,1-DICHLOROETHYLENE	6.072	96	768411	39.77	PPBV #	17
15) CARBON DISULFIDE	6.527	76	1967532	41.80	PPBV	67
16) ETHANOL	4.679	45	350355	30.39	PPBV #	100
17) BROMOETHENE	4.946	106	742966	33.62	PPBV #	100
18) METHYLENE CHLORIDE	6.199	84	639575	26.41	PPBV #	1
19) 3-CHLOROPROPENE	6.326	39	731614	44.28	PPBV #	1
20) FREON 113	6.475	151	1637624	40.67	PPBV #	100
21) TRANS-1,2-DICHLOROETHY...	7.187	96	795508	42.91	PPBV #	100
22) TERTIARY BUTYL ALCOHOL	6.103	59	1421577	36.25	PPBV #	100
23) METHYL TERTIARY BUTYL ...	7.446	73	1827019	42.68	PPBV #	100
24) TETRAHYDROFURAN	8.956	42	1197571	43.49	PPBV #	100
25) HEXANE	8.463	57	1317396	44.71	PPBV #	100
26) VINYL ACETATE	7.540	43	1772507	40.39	PPBV	92
27) 1,1-DICHLOROETHANE	7.396	63	1492170	42.53	PPBV #	100
28) METHYL ETHYL KETONE	7.799	43	2295908	41.48	PPBV	86
29) cis-1,2-DICHLOROETHYLENE	8.255	96	604111	40.12	PPBV #	100
30) ETHYL ACETATE	8.470	43	4066374	47.30	PPBV	100
31) CHLOROFORM	8.559	83	1709975	39.62	PPBV #	100
32) 1,1,1-TRICHLOROETHANE	9.555	97	1821365	42.32	PPBV	90
33) CARBON TETRACHLORIDE	10.163	117	2114241	45.65	PPBV	93
34) 1,2-DICHLOROETHANE	9.303	62	1455247	42.13	PPBV	100
36) BENZENE	10.018	78	1777208	38.98	PPBV	88
37) CYCLOHEXANE	10.289	84	635655	41.48	PPBV #	31
38) TRICHLOROETHYLENE	11.058	95	1195883	49.88	PPBV	90
39) 1,2-DICHLOROPROPANE	10.825	63	851675	38.76	PPBV #	64
40) BROMODICHLOROMETHANE	11.019	83	1816877	43.71	PPBV	97
41) 2,2,4-TRIMETHYLPENTANE	11.079	57	4840021	47.48	PPBV	95
42) 1,4-DIOXANE	11.045	88	400679	43.89	PPBV #	46
43) HEPTANE	11.329	43	1998678	46.88	PPBV #	76

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3390.D
Acq On : 15 May 2007 7:16 pm
Operator : PhilipB
Sample : IC185-40 (M060)
Misc : MS13535,MSQ185,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 15 19:45:44 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 : Tue May 15 19:01:44 2007
Response via : Initial Calibration

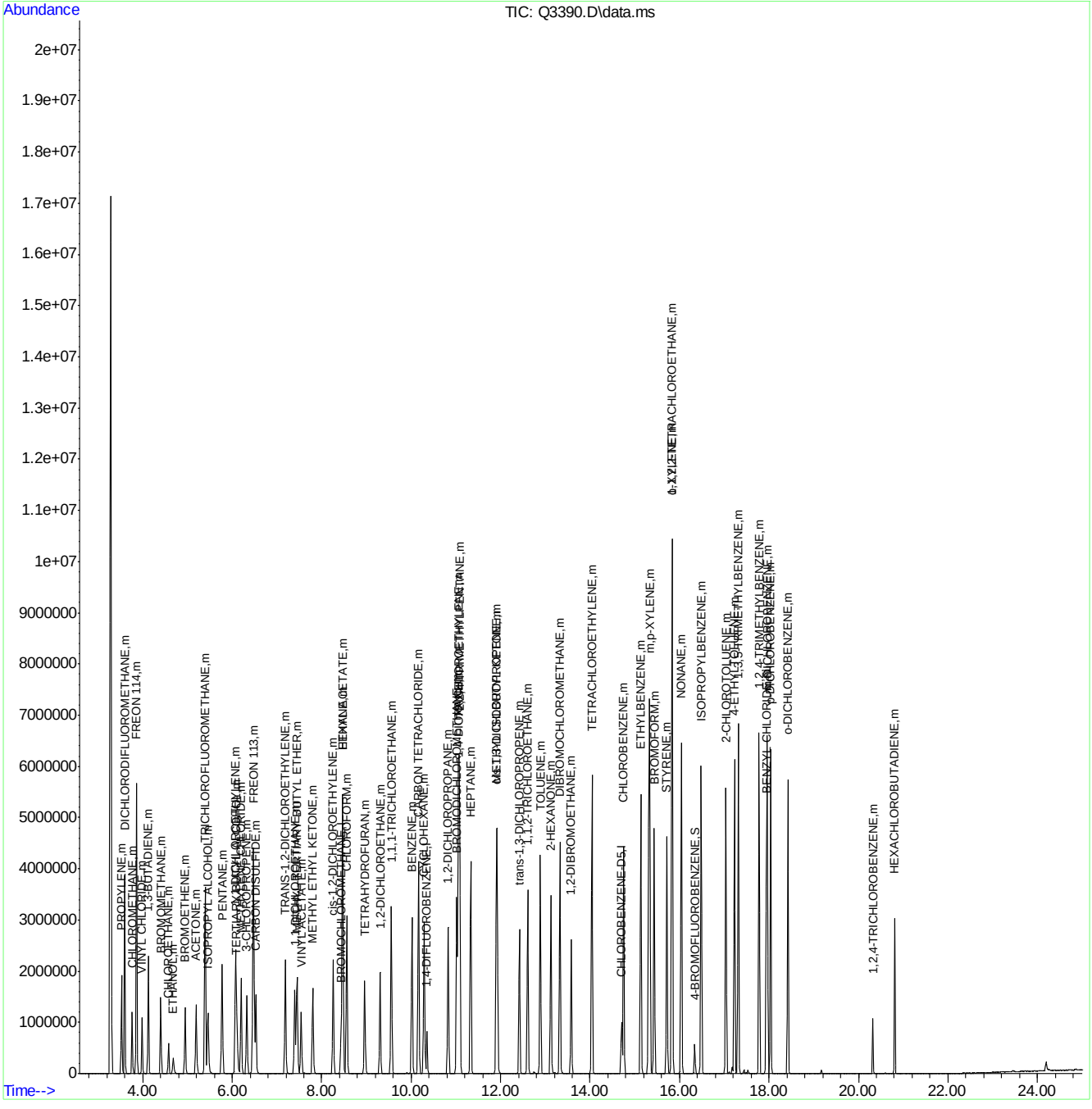
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.922	43	3109213	51.50	PPBV	93
45) cis-1,3-DICHLOROPROPENE	11.903	75	1374944	48.12	PPBV	98
46) TOLUENE	12.888	92	1399160	45.88	PPBV	98
47) trans-1,3-DICHLOROPROPENE	12.419	75	1198707	48.51	PPBV #	98
48) 1,1,2-TRICHLOROETHANE	12.605	83	787836	42.54	PPBV	94
50) 2-HEXANONE	13.122	43	2687731	44.14	PPBV	96
51) TETRACHLOROETHYLENE	14.039	164	932010	50.66	PPBV	89
52) DIBROMOCHLOROMETHANE	13.324	129	2036484	49.16	PPBV	98
53) 1,2-DIBROMOETHANE	13.578	107	1561798	42.51	PPBV	98
54) CHLOROBENZENE	14.748	112	1889176	41.31	PPBV	95
55) ETHYLBENZENE	15.133	91	3401967	43.21	PPBV	96
56) m,p-XYLENE	15.333	106	2906038	103.35	PPBV	94
57) o-XYLENE	15.834	106	1468856	50.82	PPBV	99
58) STYRENE	15.715	104	1789384	47.30	PPBV	98
59) NONANE	16.041	43	2789513	37.77	PPBV	87
60) BROMOFORM	15.431	173	1871499	55.17	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.828	83	2236401	39.85	PPBV	94
63) ISOPROPYLBENZENE	16.485	105	3699288	43.21	PPBV	96
64) 2-CHLOROTOLUENE	17.037	91	2677198	39.09	PPBV	98
65) 4-ETHYLTOLUENE	17.229	105	3436031	44.31	PPBV	96
66) 1,3,5-TRIMETHYLBENZENE	17.312	105	3303878	43.52	PPBV	96
67) 1,2,4-TRIMETHYLBENZENE	17.779	105	3192688	43.27	PPBV	96
68) m-DICHLOROBENZENE	17.962	146	2141667	49.14	PPBV	99
69) BENZYL CHLORIDE	17.939	91	2313797	42.19	PPBV	97
70) p-DICHLOROBENZENE	18.036	146	2013045	50.33	PPBV	98
71) o-DICHLOROBENZENE	18.421	146	1814780	44.00	PPBV	97
72) HEXACHLOROBUTADIENE	20.810	225	347083	17.75	PPBV	98
73) 1,2,4-TRICHLOROBENZENE	20.320	180	206547	25.38	PPBV	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3390.D
Acq On : 15 May 2007 7:16 pm
Operator : PhilipB
Sample : IC185-40 (M060)
Misc : MS13535,MSQ185,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 15 19:45:44 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 : Tue May 15 19:01:44 2007
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
05/16/07 18:03

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3391.D
Acq On : 15 May 2007 7:56 pm
Operator : PhilipB
Sample : IC185-5 (M060)
Misc : MS13535,MSQ185,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 16 08:01:48 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 : Tue May 15 19:46:25 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.422	128	105565	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.344	114	443500	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.696	117	403673	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.332	95	179007	5.38	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 107.60%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	3.593	85	417279	5.43	PPBV	83
3) PROPYLENE	3.520	41	155790	6.37	PPBV	82
4) FREON 114	3.857	85	436403	5.83	PPBV #	100
5) CHLOROMETHANE	3.758	50	198625	6.47	PPBV	95
6) VINYL CHLORIDE	3.980	62	161849	6.22	PPBV	72
7) 1,3-BUTADIENE	4.120	39	163032	6.46	PPBV #	100
8) BROMOMETHANE	4.401	94	138786	5.89	PPBV #	100
9) CHLOROETHANE	4.573	64	71282	6.37	PPBV #	100
10) TRICHLOROFLUOROMETHANE	5.389	101	466165	5.79	PPBV #	100
11) ISOPROPYL ALCOHOL	5.442	45	292436	5.62	PPBV	93
12) ACETONE	5.189	43	272040	5.44	PPBV #	73
13) PENTANE	5.764	42	150815	6.57	PPBV #	100
14) 1,1-DICHLOROETHYLENE	6.069	96	125357	5.81	PPBV #	15
15) CARBON DISULFIDE	6.521	76	310042	5.89	PPBV	70
16) ETHANOL	4.670	45	61718	4.69	PPBV #	100
17) BROMOETHENE	4.942	106	138450	5.75	PPBV #	100
18) METHYLENE CHLORIDE	6.193	84	109888	4.06	PPBV #	1
19) 3-CHLOROPROPENE	6.323	39	113847	5.97	PPBV #	1
20) FREON 113	6.468	151	242611	5.46	PPBV #	100
21) TRANS-1,2-DICHLOROETHY...	7.180	96	117369	5.68	PPBV #	100
22) TERTIARY BUTYL ALCOHOL	6.092	59	287405	6.37	PPBV #	100
23) METHYL TERTIARY BUTYL ...	7.444	73	262372	5.48	PPBV #	100
24) TETRAHYDROFURAN	8.958	42	160525	4.96	PPBV #	100
25) HEXANE	8.458	57	166505	4.79	PPBV #	100
26) VINYL ACETATE	7.533	43	251948	5.00	PPBV	90
27) 1,1-DICHLOROETHANE	7.391	63	226846	5.71	PPBV #	100
28) METHYL ETHYL KETONE	7.794	43	304007	4.69	PPBV	89
29) cis-1,2-DICHLOROETHYLENE	8.246	96	84711	5.01	PPBV #	100
30) ETHYL ACETATE	8.461	43	500911	4.86	PPBV	100
31) CHLOROFORM	8.554	83	207382	4.25	PPBV #	100
32) 1,1,1-TRICHLOROETHANE	9.551	97	202725	4.23	PPBV	87
33) CARBON TETRACHLORIDE	10.158	117	231158	4.51	PPBV	93
34) 1,2-DICHLOROETHANE	9.295	62	162310	4.18	PPBV	99
36) BENZENE	10.011	78	261470	5.69	PPBV	91
37) CYCLOHEXANE	10.286	84	76218	4.97	PPBV #	21
38) TRICHLOROETHYLENE	11.051	95	121441	5.00	PPBV #	80
39) 1,2-DICHLOROPROPANE	10.820	63	115434	5.21	PPBV #	60
40) BROMODICHLOROMETHANE	11.010	83	215204	5.21	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.074	57	563020	5.30	PPBV	93
42) 1,4-DIOXANE	11.044	88	41040	4.44	PPBV #	11
43) HEPTANE	11.326	43	260811	5.86	PPBV #	72

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3391.D
Acq On : 15 May 2007 7:56 pm
Operator : PhilipB
Sample : IC185-5 (M060)
Misc : MS13535,MSQ185,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 16 08:01:48 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 : Tue May 15 19:46:25 2007
Response via : Initial Calibration

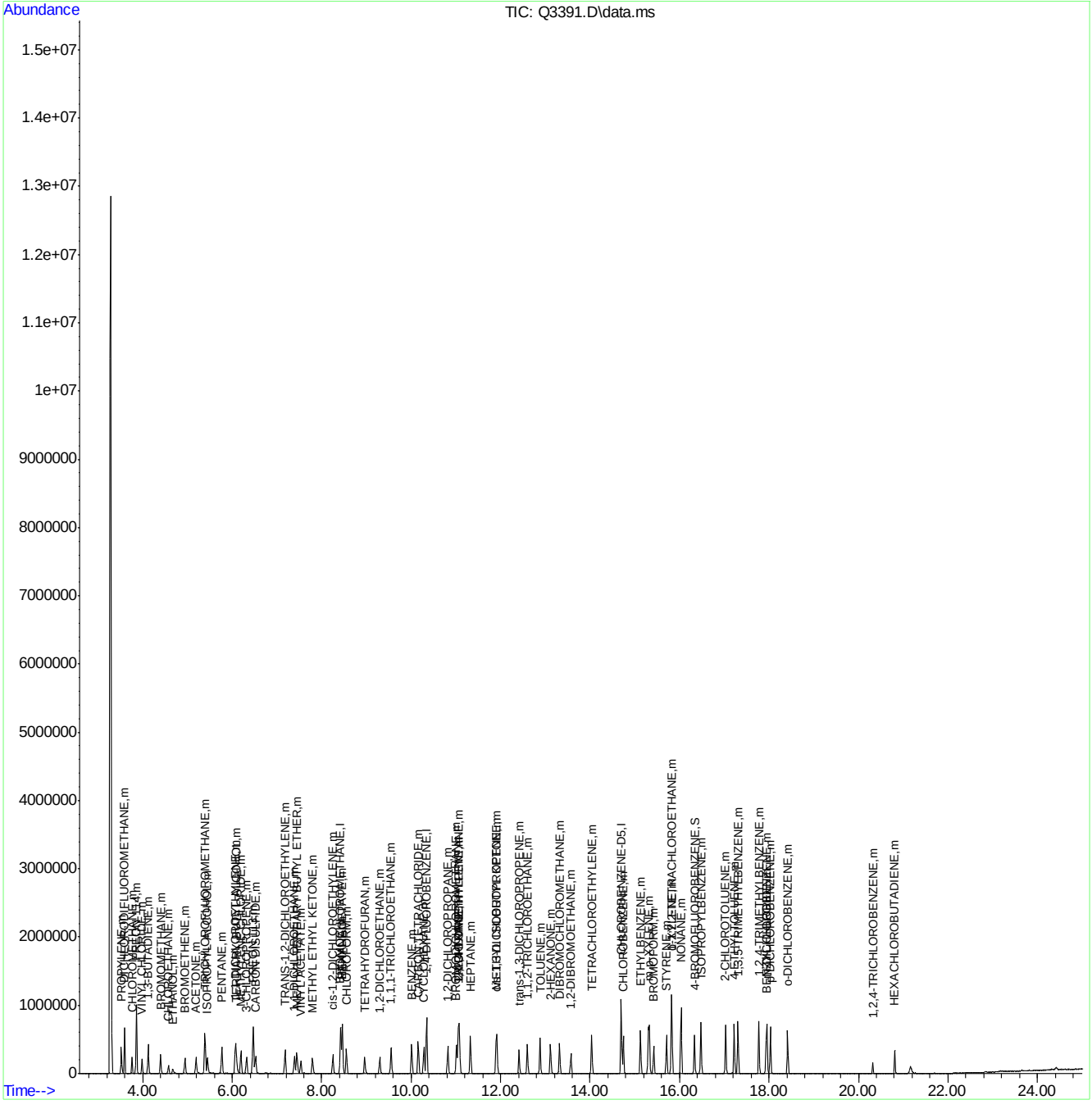
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) METHYL ISOBUTYL KETONE	11.917	43	382617	5.97	PPBV		89
45) cis-1,3-DICHLOROPROPENE	11.894	75	151890	5.24	PPBV		86
46) TOLUENE	12.880	92	153998	5.05	PPBV		94
47) trans-1,3-DICHLOROPROPENE	12.410	75	132398	5.38	PPBV	#	99
48) 1,1,2-TRICHLOROETHANE	12.600	83	95703	5.13	PPBV		90
50) 2-HEXANONE	13.113	43	326285	5.36	PPBV		92
51) TETRACHLOROETHYLENE	14.036	164	73763	4.31	PPBV	#	80
52) DIBROMOCHLOROMETHANE	13.317	129	181085	4.62	PPBV		99
53) 1,2-DIBROMOETHANE	13.571	107	168313	4.84	PPBV		96
54) CHLOROBENZENE	14.739	112	202194	4.70	PPBV		85
55) ETHYLBENZENE	15.126	91	374139	4.99	PPBV		93
56) m,p-XYLENE	15.323	106	266549m	9.78	PPBV		
57) o-XYLENE	15.828	106	141013	5.06	PPBV	#	88
58) STYRENE	15.708	104	192335	5.40	PPBV		99
59) NONANE	16.031	43	450068	6.23	PPBV		80
60) BROMOFORM	15.424	173	136689	4.30	PPBV		98
62) 1,1,2,2-TETRACHLOROETHANE	15.819	83	270949	4.98	PPBV		95
63) ISOPROPYLBENZENE	16.476	105	418825	5.21	PPBV		96
64) 2-CHLOROTOLUENE	17.032	91	327887	5.12	PPBV		92
65) 4-ETHYLTOLUENE	17.222	105	372931	5.13	PPBV		93
66) 1,3,5-TRIMETHYLBENZENE	17.307	105	344155	4.81	PPBV		95
67) 1,2,4-TRIMETHYLBENZENE	17.773	105	331358	4.79	PPBV		93
68) m-DICHLOROBENZENE	17.954	146	189003	4.62	PPBV		95
69) BENZYL CHLORIDE	17.933	91	246683	4.82	PPBV		92
70) p-DICHLOROBENZENE	18.031	146	176842	4.74	PPBV		95
71) o-DICHLOROBENZENE	18.416	146	163377	4.20	PPBV		93
72) HEXACHLOROBUTADIENE	20.808	225	31923	1.68	PPBV		98
73) 1,2,4-TRICHLOROBENZENE	20.319	180	26854	3.44	PPBV		98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3391.D
Acq On : 15 May 2007 7:56 pm
Operator : PhilipB
Sample : IC185-5 (M060)
Misc : MS13535,MSQ185,,,,,1
ALS Vial : 1 Sample Multiplier: 1

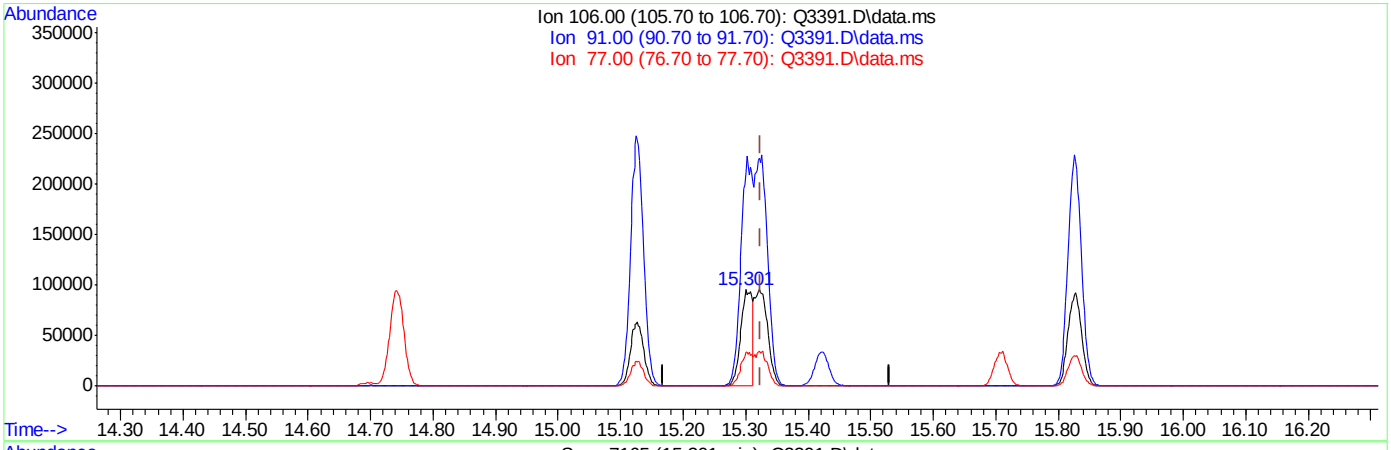
Quant Time: May 16 08:01:48 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 15 19:46:25 2007
Response via : Initial Calibration

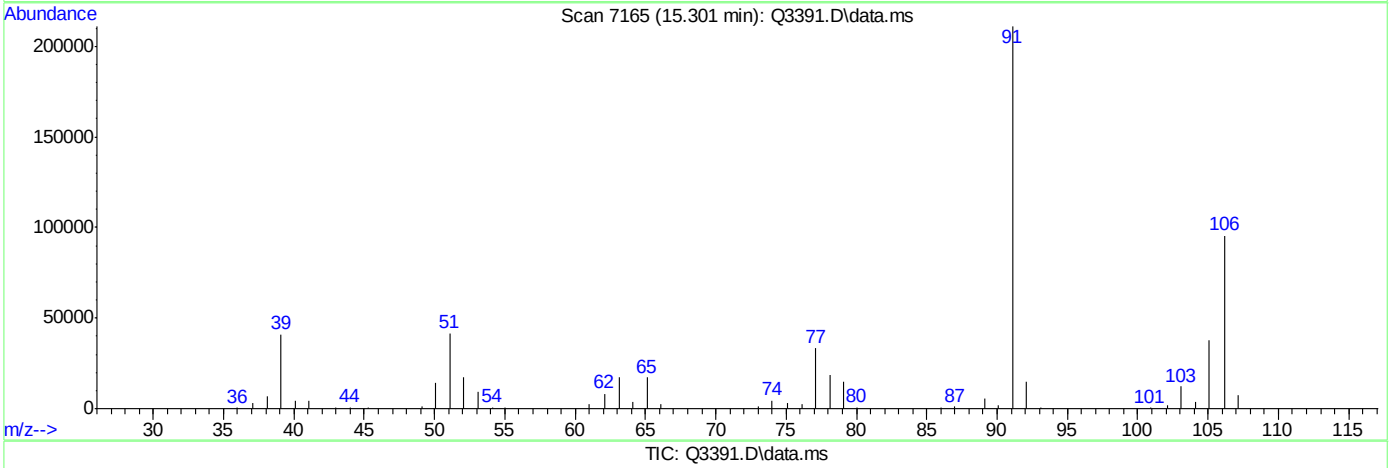


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3391.D
Acq On : 15 May 2007 7:56 pm
Operator : PhilipB
Sample : IC185-5 (M060)
Misc : MS13535,MSQ185,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 16 08:01:05 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 : Tue May 15 19:46:25 2007
Response via : Initial Calibration





TIC: Q3391.D\data.ms

(56) m,p-XYLENE (m)

15.301min (-0.023) 4.62PPBV

response 125770

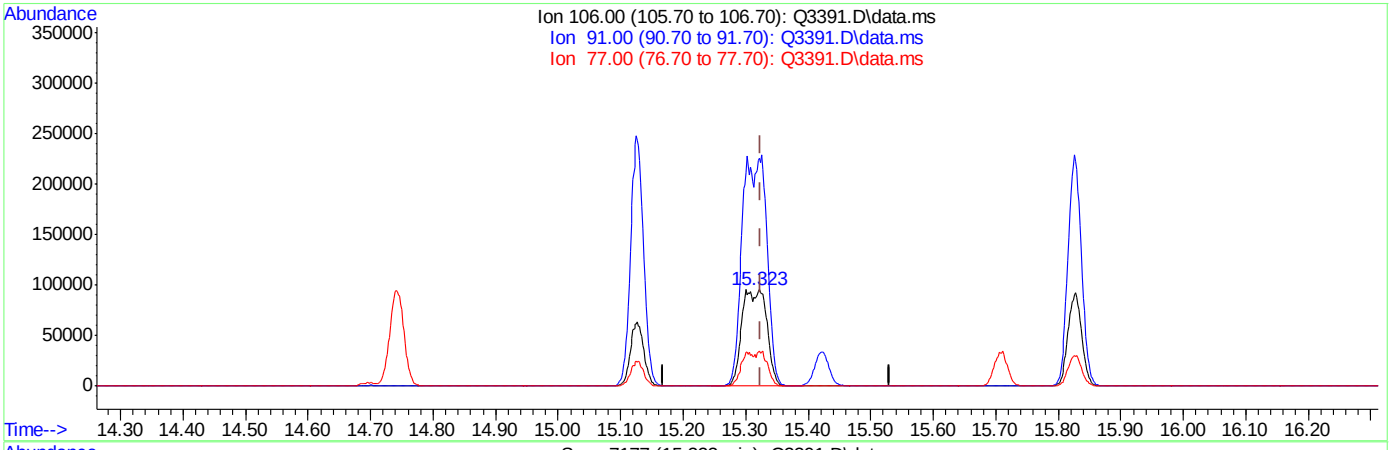
Ion	Exp%	Act%
106.00	100	100
91.00	204.20	221.07
77.00	30.60	35.07
0.00	0.00	0.00

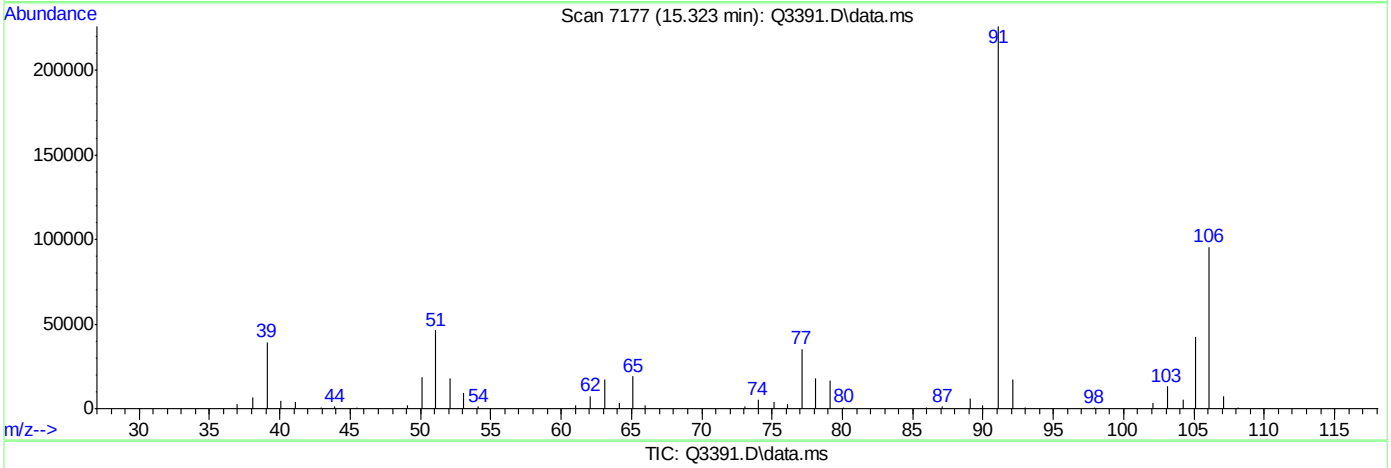
ACCUTEST Laboratories M64940

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3391.D
Acq On : 15 May 2007 7:56 pm
Operator : PhilipB
Sample : IC185-5 (M060)
Misc : MS13535,MSQ185,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 16 08:01:05 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 : Tue May 15 19:46:25 2007
Response via : Initial Calibration





TIC: Q3391.D\data.ms

(56) m,p-XYLENE (m)

15.323min (-0.002) 9.78PPBV m

response 266549

Ion	Exp%	Act%
106.00	100	100
91.00	204.20	236.56
77.00	30.60	36.96#
0.00	0.00	0.00

ACCUTEST Laboratories M64940

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
05/16/07 18:03

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3392.D
Acq On : 16 May 2007 8:18 am
Operator : PhilipB
Sample : IC185-20 (M060)
Misc : MS13535,MSQ185,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 16 09:04:27 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 : Wed May 16 08:02:06 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.415	128	107237	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.341	114	441646	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.696	117	414256	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.334	95	201265	5.83	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 116.60%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	3.577	85	1436332	18.18	PPBV	82
3) PROPYLENE	3.506	41	554925	21.48	PPBV	85
4) FREON 114	3.841	85	1535185	19.73	PPBV #	100
5) CHLOROMETHANE	3.744	50	688131	21.17	PPBV	95
6) VINYL CHLORIDE	3.966	62	557047	20.35	PPBV	72
7) 1,3-BUTADIENE	4.102	39	603210	22.60	PPBV #	100
8) BROMOMETHANE	4.383	94	452752	18.45	PPBV #	100
9) CHLOROETHANE	4.559	64	232822	19.71	PPBV #	100
10) TRICHLOROFLUOROMETHANE	5.373	101	1547915	18.52	PPBV #	100
11) ISOPROPYL ALCOHOL	5.430	45	1082659	20.13	PPBV	93
12) ACETONE	5.171	43	1033440	20.08	PPBV #	75
13) PENTANE	5.753	42	569841	23.37	PPBV #	100
14) 1,1-DICHLOROETHYLENE	6.056	96	420238	18.75	PPBV #	12
15) CARBON DISULFIDE	6.509	76	1082467	19.73	PPBV	66
16) ETHANOL	4.656	45	229546	17.32	PPBV #	100
17) BROMOETHENE	4.926	106	440424	17.64	PPBV #	100
18) METHYLENE CHLORIDE	6.181	84	366419	13.68	PPBV #	1
19) 3-CHLOROPROPENE	6.308	39	424642	21.34	PPBV #	1
20) FREON 113	6.454	151	818554	17.89	PPBV #	100
21) TRANS-1,2-DICHLOROETHY...	7.169	96	419748	19.61	PPBV #	100
22) TERTIARY BUTYL ALCOHOL	6.079	59	1021563	21.44	PPBV #	100
23) METHYL TERTIARY BUTYL ...	7.432	73	947845	19.21	PPBV #	100
24) TETRAHYDROFURAN	8.948	42	605403	18.45	PPBV #	100
25) HEXANE	8.449	57	607423	17.31	PPBV #	100
26) VINYL ACETATE	7.526	43	965174	18.85	PPBV	90
27) 1,1-DICHLOROETHANE	7.382	63	800129	19.43	PPBV #	100
28) METHYL ETHYL KETONE	7.781	43	1111760	17.04	PPBV	89
29) cis-1,2-DICHLOROETHYLENE	8.241	96	324636	18.90	PPBV #	100
30) ETHYL ACETATE	8.456	43	1883905	18.06	PPBV	100
31) CHLOROFORM	8.546	83	779451	16.06	PPBV #	100
32) 1,1,1-TRICHLOROETHANE	9.546	97	764952	16.08	PPBV #	87
33) CARBON TETRACHLORIDE	10.154	117	853635	16.62	PPBV	93
34) 1,2-DICHLOROETHANE	9.292	62	611675	15.89	PPBV	100
36) BENZENE	10.009	78	834834	17.90	PPBV	87
37) CYCLOHEXANE	10.280	84	292236	19.14	PPBV #	25
38) TRICHLOROETHYLENE	11.049	95	486909	20.14	PPBV #	81
39) 1,2-DICHLOROPROPANE	10.818	63	429562	19.37	PPBV #	59
40) BROMODICHLOROMETHANE	11.008	83	815748	19.73	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.072	57	2191893	20.54	PPBV #	91
42) 1,4-DIOXANE	11.036	88	168360	18.58	PPBV #	31
43) HEPTANE	11.322	43	995216	21.91	PPBV #	72

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3392.D
Acq On : 16 May 2007 8:18 am
Operator : PhilipB
Sample : IC185-20 (M060)
Misc : MS13535,MSQ185,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 16 09:04:27 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 : Wed May 16 08:02:06 2007
Response via : Initial Calibration

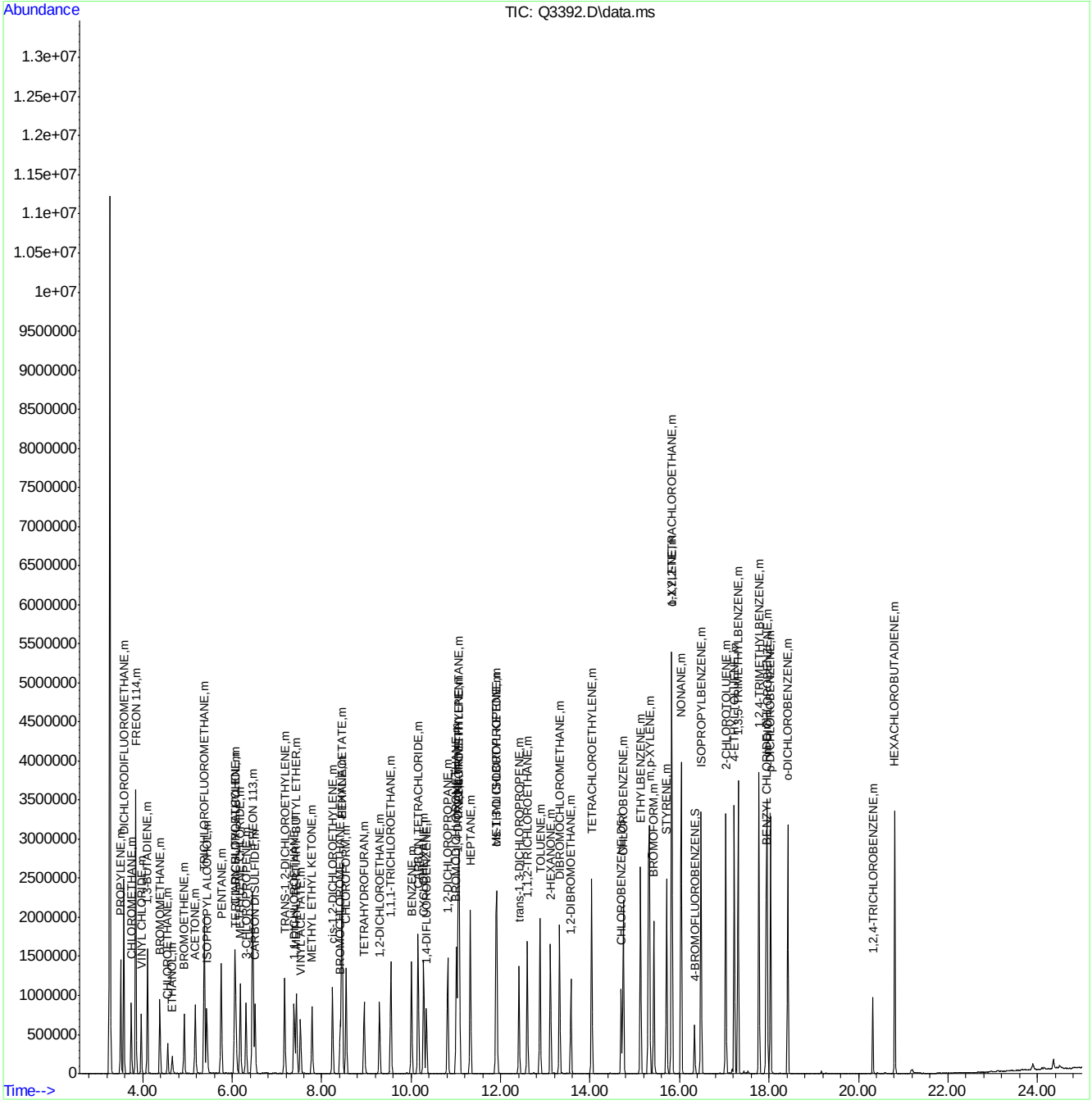
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.913	43	1477731	22.54	PPBV	90
45) cis-1,3-DICHLOROPROPENE	11.895	75	607507	20.92	PPBV	89
46) TOLUENE	12.879	92	620502	20.39	PPBV	97
47) trans-1,3-DICHLOROPROPENE	12.410	75	523645	21.13	PPBV #	99
48) 1,1,2-TRICHLOROETHANE	12.596	83	365223	19.57	PPBV	90
50) 2-HEXANONE	13.113	43	1268031	20.08	PPBV	93
51) TETRACHLOROETHYLENE	14.038	164	324222	18.83	PPBV #	79
52) DIBROMOCHLOROMETHANE	13.317	129	773932	19.46	PPBV	98
53) 1,2-DIBROMOETHANE	13.571	107	680083	19.14	PPBV	98
54) CHLOROBENZENE	14.742	112	822359	18.79	PPBV	88
55) ETHYLBENZENE	15.129	91	1568065	20.39	PPBV	94
56) m,p-XYLENE	15.326	106	1189897m	42.69	PPBV	
57) o-XYLENE	15.828	106	664109	23.18	PPBV	91
58) STYRENE	15.711	104	864188	23.38	PPBV	97
59) NONANE	16.034	43	1804990	23.53	PPBV	82
60) BROMOFORM	15.425	173	660503	20.65	PPBV	98
62) 1,1,2,2-TETRACHLOROETHANE	15.821	83	1260074	22.59	PPBV	94
63) ISOPROPYLBENZENE	16.481	105	1867896	22.51	PPBV	96
64) 2-CHLOROTOLUENE	17.032	91	1484704	22.53	PPBV	92
65) 4-ETHYLTOLUENE	17.221	105	1725524	23.04	PPBV	93
66) 1,3,5-TRIMETHYLBENZENE	17.308	105	1634007	22.38	PPBV	94
67) 1,2,4-TRIMETHYLBENZENE	17.773	105	1621845	22.97	PPBV	94
68) m-DICHLOROBENZENE	17.958	146	917319	22.07	PPBV	95
69) BENZYL CHLORIDE	17.935	91	1206235	23.08	PPBV	93
70) p-DICHLOROBENZENE	18.033	146	851228	22.38	PPBV	94
71) o-DICHLOROBENZENE	18.419	146	819782	21.00	PPBV	93
72) HEXACHLOROBUTADIENE	20.812	225	279622	15.82	PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.320	180	159074	20.81	PPBV	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3392.D
Acq On : 16 May 2007 8:18 am
Operator : PhilipB
Sample : IC185-20 (M060)
Misc : MS13535,MSQ185,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 16 09:04:27 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 : Wed May 16 08:02:06 2007
Response via : Initial Calibration

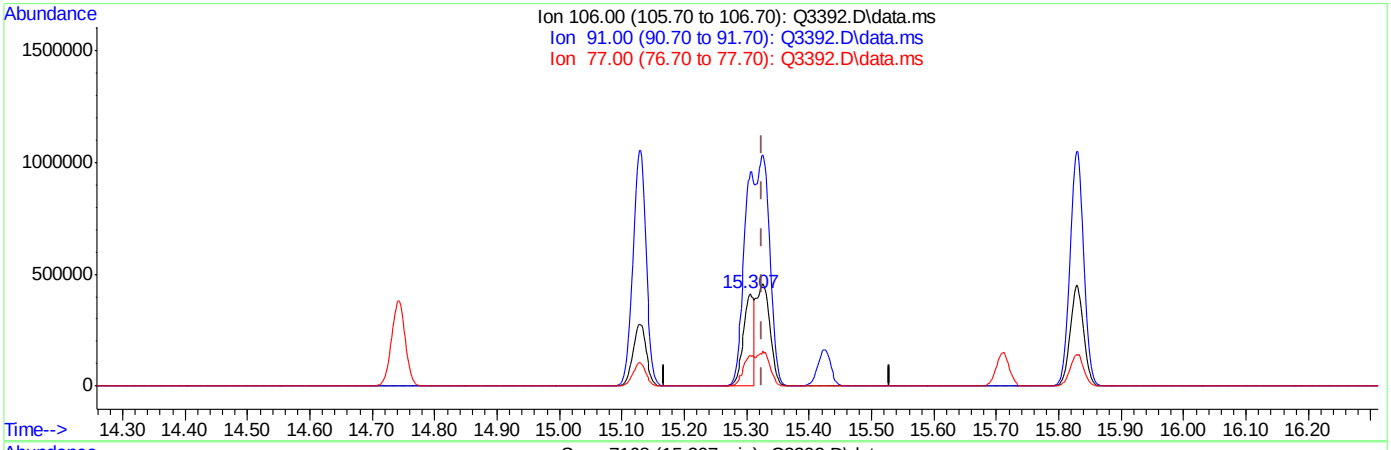


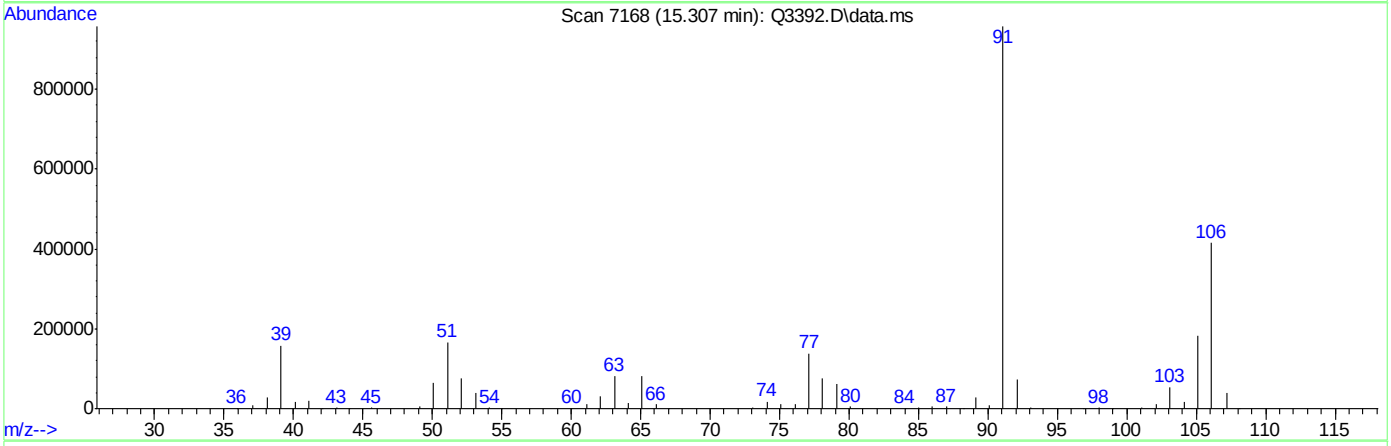
ACCUTEST Laboratories M64940

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3392.D
Acq On : 16 May 2007 8:18 am
Operator : PhilipB
Sample : IC185-20 (M060)
Misc : MS13535,MSQ185,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 16 09:03:55 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 : Wed May 16 08:02:06 2007
Response via : Initial Calibration





TIC: Q3392.D\data.ms

(56) m,p-XYLENE (m)

15.307min (-0.018) 17.51PPBV

response 488119

Ion	Exp%	Act%
106.00	100	100
91.00	204.20	231.04
77.00	30.60	33.24
0.00	0.00	0.00

ACCUTEST Laboratories M64940

Quantitation Report (Qedit)

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Data Path : C:\msdchem\1\DATA\
Data File : Q3392.D
Acq On    : 16 May 2007   8:18 am
Operator  : PhilipB
Sample    : IC185-20 (M060)
Misc      : MS13535,MSQ185,,,,,1
ALS Vial  : 1   Sample Multiplier: 1

Quant Time: May 16 09:03:55 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 : Wed May 16 08:02:06 2007
Response via : Initial Calibration
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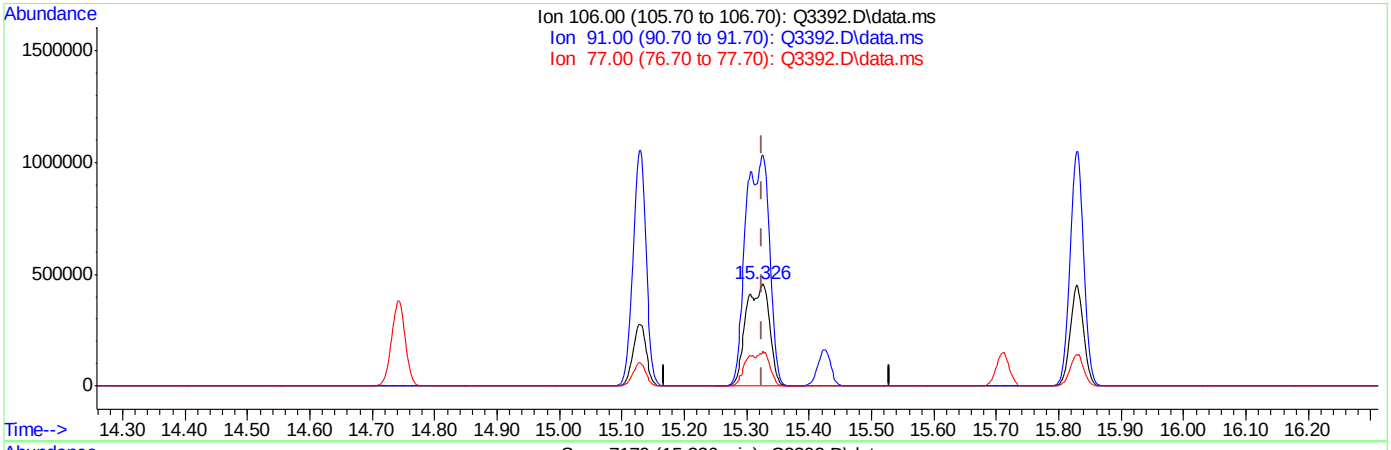
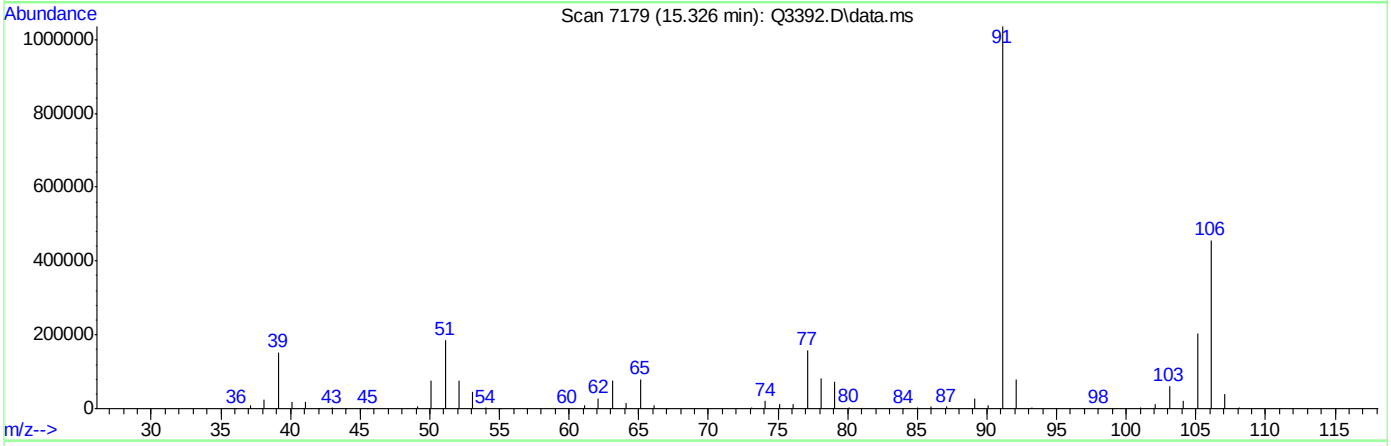




TIC: Q3392.D\data.ms

(56) m,p-XYLENE (m)

15.326min (+0.002) 42.69PPBV m

response 1189897

Ion	Exp%	Act%
106.00	100	100
91.00	204.20	226.90
77.00	30.60	34.71
0.00	0.00	0.00

ACCUTEST Laboratories M64940

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
05/16/07 18:03

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3393.D
Acq On : 16 May 2007 9:18 am
Operator : PhilipB
Sample : ICC185-10 (M060)
Misc : MS13535,MSQ185,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 16 09:49:12 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 : Wed May 16 09:04:38 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.419	128	94874	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.344	114	466297	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.696	117	426455	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.332	95	189371	5.18	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 103.60%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	3.589	85	810762	11.48	PPBV	84
3) PROPYLENE	3.517	41	295176	12.23	PPBV	82
4) FREON 114	3.854	85	851548	12.07	PPBV #	100
5) CHLOROMETHANE	3.754	50	377109	12.48	PPBV	91
6) VINYL CHLORIDE	3.980	62	310528	12.37	PPBV	72
7) 1,3-BUTADIENE	4.117	39	301574	11.94	PPBV #	100
8) BROMOMETHANE	4.395	94	269986	12.25	PPBV #	100
9) CHLOROETHANE	4.573	64	135348	12.52	PPBV #	100
10) TRICHLOROFLUOROMETHANE	5.387	101	889181	11.83	PPBV #	100
11) ISOPROPYL ALCOHOL	5.437	45	515822	10.18	PPBV	93
12) ACETONE	5.185	43	492004	10.16	PPBV #	72
13) PENTANE	5.767	42	257521	11.06	PPBV #	100
14) 1,1-DICHLOROETHYLENE	6.063	96	240485	11.94	PPBV #	21
15) CARBON DISULFIDE	6.520	76	578247	11.67	PPBV	69
16) ETHANOL	4.667	45	113669	9.16	PPBV #	100
17) BROMOETHENE	4.940	106	273712	12.33	PPBV #	100
18) METHYLENE CHLORIDE	6.189	84	210836	8.76	PPBV #	1
19) 3-CHLOROPROPENE	6.317	39	199362	10.78	PPBV #	1
20) FREON 113	6.468	151	469643	11.58	PPBV #	100
21) TRANS-1,2-DICHLOROETHY...	7.178	96	223719	11.65	PPBV #	100
22) TERTIARY BUTYL ALCOHOL	6.085	59	514243	11.72	PPBV #	100
23) METHYL TERTIARY BUTYL ...	7.441	73	498601	11.27	PPBV #	100
24) TETRAHYDROFURAN	8.956	42	269767	9.24	PPBV #	100
25) HEXANE	8.458	57	261436	8.39	PPBV #	100
26) VINYL ACETATE	7.533	43	464736	9.91	PPBV	90
27) 1,1-DICHLOROETHANE	7.389	63	423017	11.31	PPBV #	100
28) METHYL ETHYL KETONE	7.790	43	549427	9.42	PPBV	84
29) cis-1,2-DICHLOROETHYLENE	8.248	96	127948	8.57	PPBV #	100
30) ETHYL ACETATE	8.461	43	853115	9.07	PPBV	100
31) CHLOROFORM	8.552	83	383965	9.11	PPBV #	100
32) 1,1,1-TRICHLOROETHANE	9.547	97	415453	10.20	PPBV	88
33) CARBON TETRACHLORIDE	10.160	117	463105	10.53	PPBV	94
34) 1,2-DICHLOROETHANE	9.295	62	346170	10.44	PPBV	100
36) BENZENE	10.011	78	387202	8.04	PPBV	88
37) CYCLOHEXANE	10.284	84	137637	8.81	PPBV #	30
38) TRICHLOROETHYLENE	11.047	95	224384	8.95	PPBV #	84
39) 1,2-DICHLOROPROPANE	10.818	63	194273	8.43	PPBV #	64
40) BROMODICHLOROMETHANE	11.010	83	403441	9.41	PPBV	98
41) 2,2,4-TRIMETHYLPENTANE	11.072	57	949564	8.46	PPBV #	93
42) 1,4-DIOXANE	11.042	88	74114	7.92	PPBV #	24
43) HEPTANE	11.324	43	434760	9.02	PPBV #	73

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3393.D
Acq On : 16 May 2007 9:18 am
Operator : PhilipB
Sample : ICC185-10 (M060)
Misc : MS13535,MSQ185,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 16 09:49:12 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 : Wed May 16 09:04:38 2007
Response via : Initial Calibration

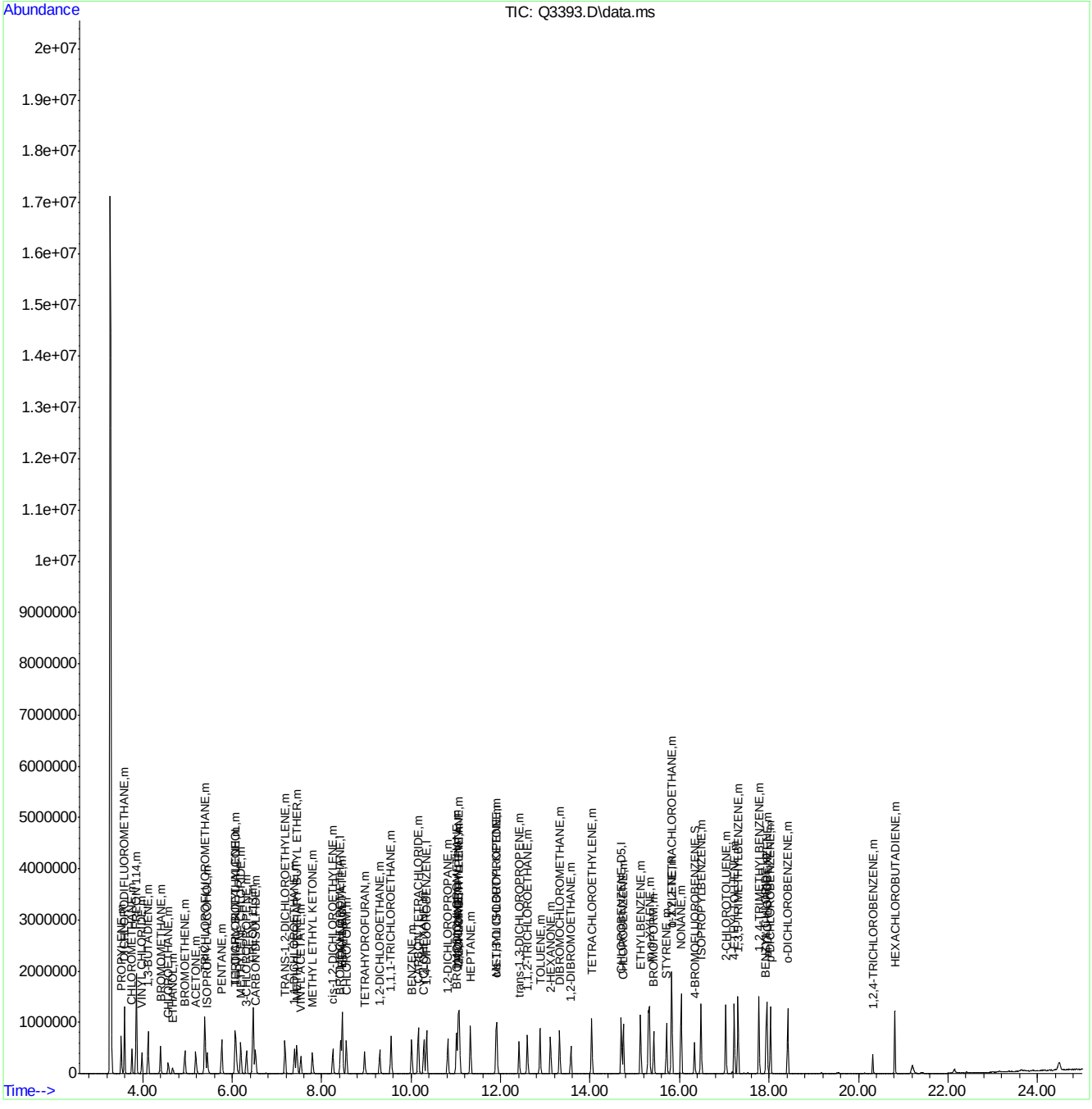
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) METHYL ISOBUTYL KETONE	11.915	43	635523	9.08	PPBV		90
45) cis-1,3-DICHLOROPROPENE	11.897	75	276127	9.18	PPBV		89
46) TOLUENE	12.882	92	273951	8.74	PPBV		96
47) trans-1,3-DICHLOROPROPENE	12.412	75	246606	9.68	PPBV	#	98
48) 1,1,2-TRICHLOROETHANE	12.598	83	158102	8.18	PPBV		93
50) 2-HEXANONE	13.113	43	551226	8.55	PPBV		93
51) TETRACHLOROETHYLENE	14.036	164	150861	8.94	PPBV	#	79
52) DIBROMOCHLOROMETHANE	13.317	129	365759	9.24	PPBV		98
53) 1,2-DIBROMOETHANE	13.569	107	304381	8.62	PPBV		98
54) CHLOROBENZENE	14.740	112	368849	8.49	PPBV		88
55) ETHYLBENZENE	15.125	91	686149	8.91	PPBV		94
56) m,p-XYLENE	15.326	106	483204m	17.14	PPBV		
57) o-XYLENE	15.826	106	244755	8.34	PPBV	#	85
58) STYRENE	15.709	104	338883	9.10	PPBV		97
59) NONANE	16.034	43	678108	8.47	PPBV		81
60) BROMOFORM	15.422	173	291988	9.14	PPBV		99
62) 1,1,2,2-TETRACHLOROETHANE	15.818	83	428343	7.39	PPBV		94
63) ISOPROPYLBENZENE	16.478	105	748277	8.81	PPBV		94
64) 2-CHLOROTOLUENE	17.032	91	606816	9.01	PPBV		90
65) 4-ETHYLTOLUENE	17.223	105	679850	8.88	PPBV		92
66) 1,3,5-TRIMETHYLBENZENE	17.307	105	652817	8.71	PPBV		92
67) 1,2,4-TRIMETHYLBENZENE	17.773	105	667337	9.22	PPBV		92
68) m-DICHLOROBENZENE	17.956	146	376926	8.93	PPBV		95
69) BENZYL CHLORIDE	17.935	91	495882	9.39	PPBV		92
70) p-DICHLOROBENZENE	18.031	146	363394	9.46	PPBV		95
71) o-DICHLOROBENZENE	18.418	146	351443	8.83	PPBV		94
72) HEXACHLOROBUTADIENE	20.812	225	109280	5.97	PPBV		96
73) 1,2,4-TRICHLOROBENZENE	20.320	180	58694	7.40	PPBV		93

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3393.D
Acq On : 16 May 2007 9:18 am
Operator : PhilipB
Sample : ICC185-10 (M060)
Misc : MS13535,MSQ185,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 16 09:49:12 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 : Wed May 16 09:04:38 2007
Response via : Initial Calibration

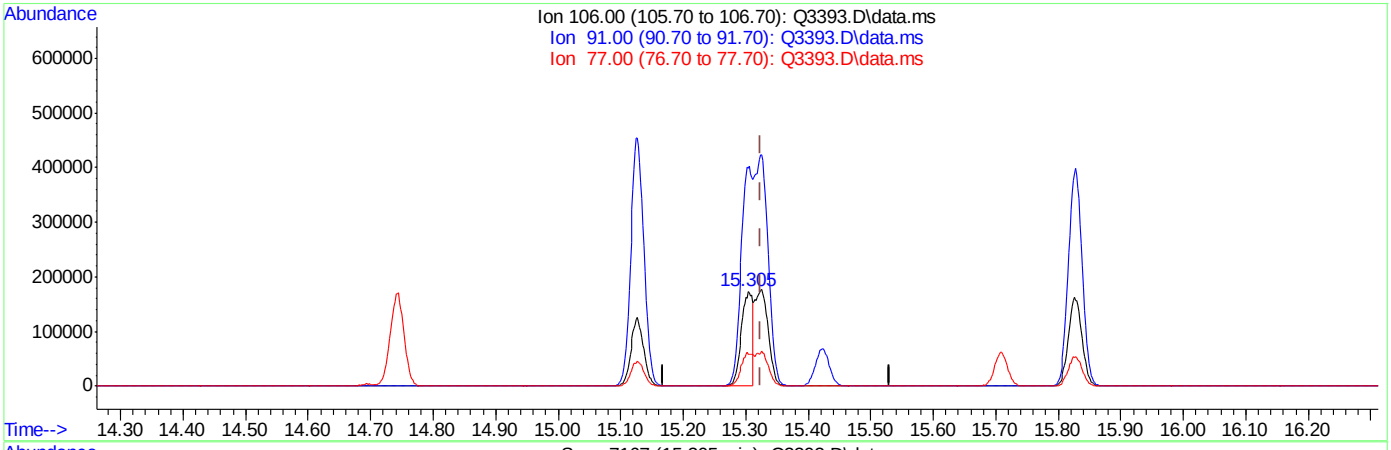


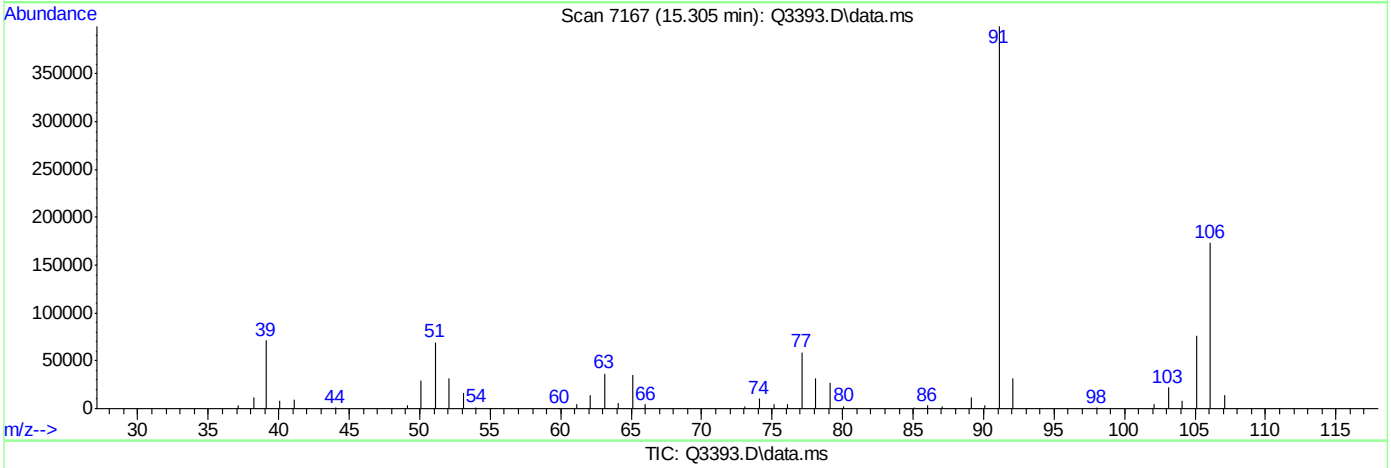
ACCUTEST Laboratories M64940

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3393.D
Acq On : 16 May 2007 9:18 am
Operator : PhilipB
Sample : ICC185-10 (M060)
Misc : MS13535,MSQ185,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 16 09:48:43 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 : Wed May 16 09:04:38 2007
Response via : Initial Calibration





TIC: Q3393.D\data.ms

(56) m,p-XYLENE (m)

15.305min (-0.020) 7.78PPBV

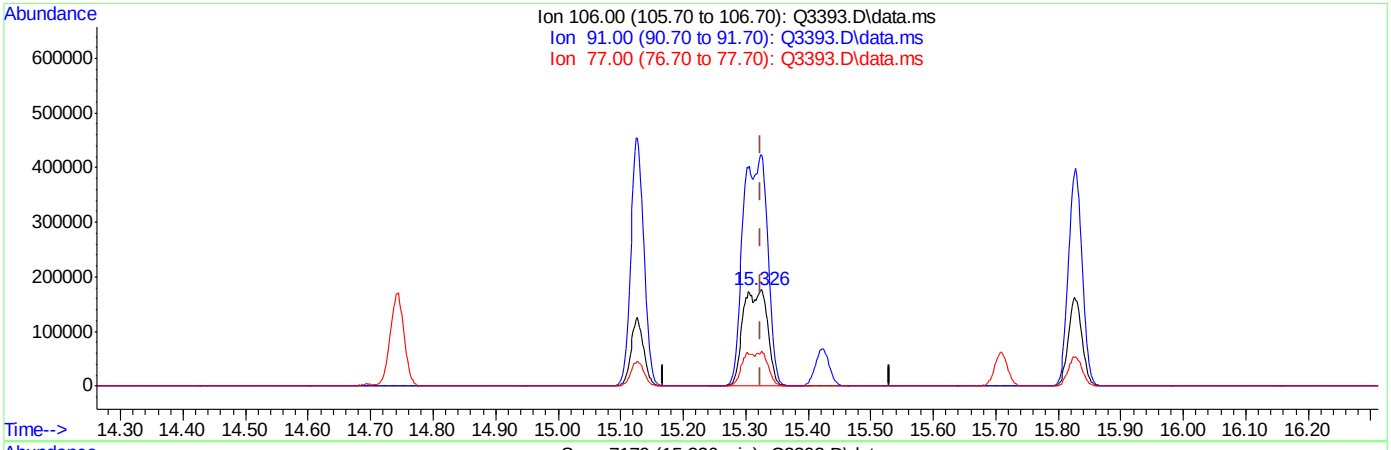
response 219256

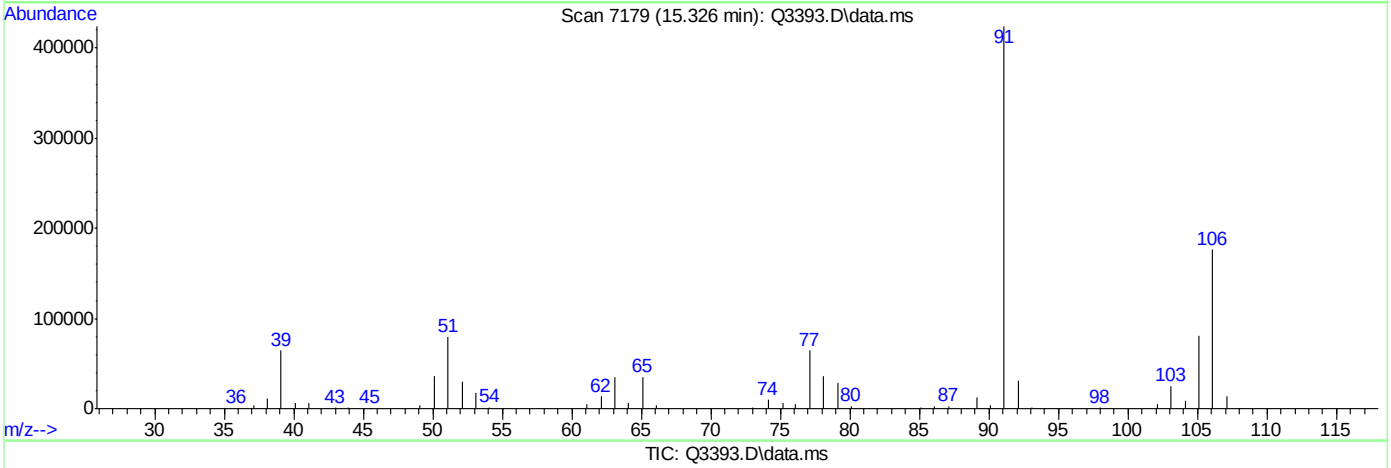
Ion	Exp%	Act%
106.00	100	100
91.00	204.20	230.78
77.00	30.60	33.97
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3393.D
Acq On : 16 May 2007 9:18 am
Operator : PhilipB
Sample : ICC185-10 (M060)
Misc : MS13535,MSQ185,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 16 09:48:43 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 : Wed May 16 09:04:38 2007
Response via : Initial Calibration





TIC: Q3393.D\data.ms

(56) m,p-XYLENE (m)

15.326min (+0.002) 17.14PPBV m

response 483204

Ion	Exp%	Act%
106.00	100	100
91.00	204.20	240.28
77.00	30.60	36.64
0.00	0.00	0.00

ACCUTEST Laboratories M64940

Q3394.D

Manual Integrations APPROVED (compounds with "m" flag)

Doug Yargeau 05/16/07 18:03

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3394.D
Acq On : 16 May 2007 10:02 am
Operator : PhilipB
Sample : IC185-.5 (M044)
Misc : MS13535,MSQ185,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 16 11:07:11 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 : Wed May 16 11:05:58 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.420	128	123785	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.342	114	544363	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.696	117	433498	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.336	95	163800	4.40	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 88.00%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	3.589	85	78573	0.76	PPBV	84
3) PROPYLENE	3.520	41	28499	0.78	PPBV	85
4) FREON 114	3.854	85	79580	0.76	PPBV #	100
5) CHLOROMETHANE	3.755	50	37047	0.80	PPBV	98
6) VINYL CHLORIDE	3.980	62	30148	0.79	PPBV #	71
7) 1,3-BUTADIENE	4.117	39	29128	0.75	PPBV #	100
8) BROMOMETHANE	4.397	94	27211	0.82	PPBV #	100
9) CHLOROETHANE	4.571	64	12491	0.77	PPBV #	100
10) TRICHLOROFLUOROMETHANE	5.389	101	86489	0.76	PPBV #	100
11) ISOPROPYL ALCOHOL	5.446	45	46246	0.64	PPBV	92
12) ACETONE	5.194	43	47163	0.67	PPBV #	72
13) PENTANE	5.765	42	24090	0.68	PPBV #	100
14) 1,1-DICHLOROETHYLENE	6.064	96	23806	0.78	PPBV #	24
15) CARBON DISULFIDE	6.516	76	51486	0.70	PPBV #	52
16) ETHANOL	4.672	45	11525	0.67	PPBV #	100
17) BROMOETHENE	4.940	106	27247	0.81	PPBV #	100
18) METHYLENE CHLORIDE	6.188	84	29496	0.86	PPBV #	1
19) 3-CHLOROPROPENE	6.319	39	25770	0.87	PPBV #	1
20) FREON 113	6.466	151	22479	0.42	PPBV #	100
21) TRANS-1,2-DICHLOROETHY...	7.176	96	12510	0.48	PPBV #	100
22) TERTIARY BUTYL ALCOHOL	6.101	59	44173	0.68	PPBV #	100
23) METHYL TERTIARY BUTYL ...	7.444	73	30802	0.51	PPBV #	100
24) TETRAHYDROFURAN	8.963	42	16878	0.45	PPBV #	100
25) HEXANE	8.456	57	22534	0.55	PPBV #	100
26) VINYL ACETATE	7.531	43	36992	0.55	PPBV	86
27) 1,1-DICHLOROETHANE	7.389	63	29542	0.56	PPBV #	100
28) METHYL ETHYL KETONE	7.797	43	33134	0.45	PPBV	93
29) cis-1,2-DICHLOROETHYLENE	8.248	96	12916	0.65	PPBV #	100
30) ETHYL ACETATE	8.461	43	55799	0.46	PPBV #	100
31) CHLOROFORM	8.545	83	34589	0.62	PPBV #	100
32) 1,1,1-TRICHLOROETHANE	9.547	97	37708	0.67	PPBV	92
33) CARBON TETRACHLORIDE	10.158	117	40563	0.65	PPBV	96
34) 1,2-DICHLOROETHANE	9.292	62	27690	0.61	PPBV	98
36) BENZENE	10.007	78	33514	0.59	PPBV	90
37) CYCLOHEXANE	10.286	84	12568	0.66	PPBV #	50
38) TRICHLOROETHYLENE	11.049	95	19884	0.64	PPBV	92
39) 1,2-DICHLOROPROPANE	10.818	63	15239	0.57	PPBV #	66
40) BROMODICHLOROMETHANE	11.008	83	32272	0.61	PPBV	98
41) 2,2,4-TRIMETHYLPENTANE	11.074	57	71387	0.54	PPBV	93
42) 1,4-DIOXANE	11.044	88	4899	0.48	PPBV #	37
43) HEPTANE	11.324	43	27629	0.49	PPBV #	81

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3394.D
Acq On : 16 May 2007 10:02 am
Operator : PhilipB
Sample : IC185-.5 (M044)
Misc : MS13535,MSQ185,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 16 11:07:11 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 : Wed May 16 11:05:58 2007
Response via : Initial Calibration

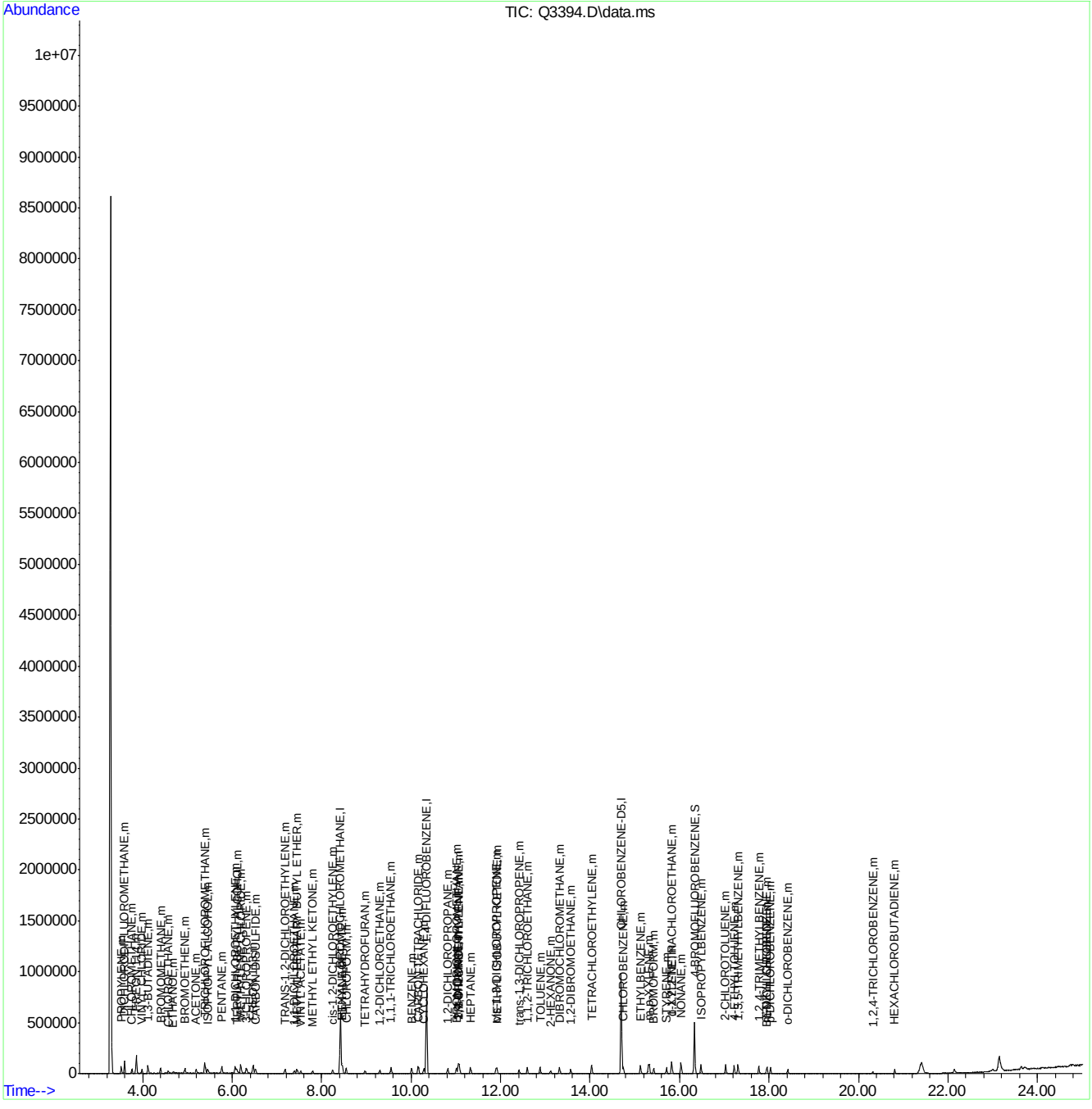
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.919	43	35804	0.44	PPBV	94
45) cis-1,3-DICHLOROPROPENE	11.897	75	19250	0.54	PPBV	98
46) TOLUENE	12.880	92	22201	0.59	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.410	75	17329	0.56	PPBV #	98
48) 1,1,2-TRICHLOROETHANE	12.593	83	13014	0.57	PPBV	95
50) 2-HEXANONE	13.118	43	22462	0.37	PPBV	96
51) TETRACHLOROETHYLENE	14.036	164	13758	0.74	PPBV #	82
52) DIBROMOCHLOROMETHANE	13.315	129	29372	0.68	PPBV	99
53) 1,2-DIBROMOETHANE	13.571	107	25121	0.67	PPBV	97
54) CHLOROBENZENE	14.739	112	30957	0.67	PPBV	91
55) ETHYLBENZENE	15.127	91	48960	0.61	PPBV	96
56) m,p-XYLENE	15.324	106	36245m	1.22	PPBV	
57) o-XYLENE	15.827	106	17791	0.58	PPBV	94
58) STYRENE	15.709	104	20201	0.53	PPBV	99
59) NONANE	16.032	43	42603	0.52	PPBV	83
60) BROMOFORM	15.420	173	20773	0.61	PPBV	97
62) 1,1,2,2-TETRACHLOROETHANE	15.814	83	21395	0.39	PPBV	95
63) ISOPROPYLBENZENE	16.480	105	53504	0.60	PPBV	96
64) 2-CHLOROTOLUENE	17.030	91	40444	0.58	PPBV	91
65) 4-ETHYLTOLUENE	17.222	105	41925	0.54	PPBV	93
66) 1,3,5-TRIMETHYLBENZENE	17.307	105	40933	0.54	PPBV	93
67) 1,2,4-TRIMETHYLBENZENE	17.775	105	33827	0.47	PPBV	91
68) m-DICHLOROBENZENE	17.956	146	18721	0.45	PPBV	95
69) BENZYL CHLORIDE	17.930	91	12857	0.26	PPBV	91
70) p-DICHLOROBENZENE	18.031	146	17439	0.45	PPBV	94
71) o-DICHLOROBENZENE	18.418	146	13059	0.35	PPBV	92
72) HEXACHLOROBUTADIENE	20.810	225	4318	0.30	PPBV	96
73) 1,2,4-TRICHLOROBENZENE	20.320	180	3928	0.52	PPBV	95

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3394.D
Acq On : 16 May 2007 10:02 am
Operator : PhilipB
Sample : IC185-.5 (M044)
Misc : MS13535,MSQ185,,,,,1
ALS Vial : 2 Sample Multiplier: 1

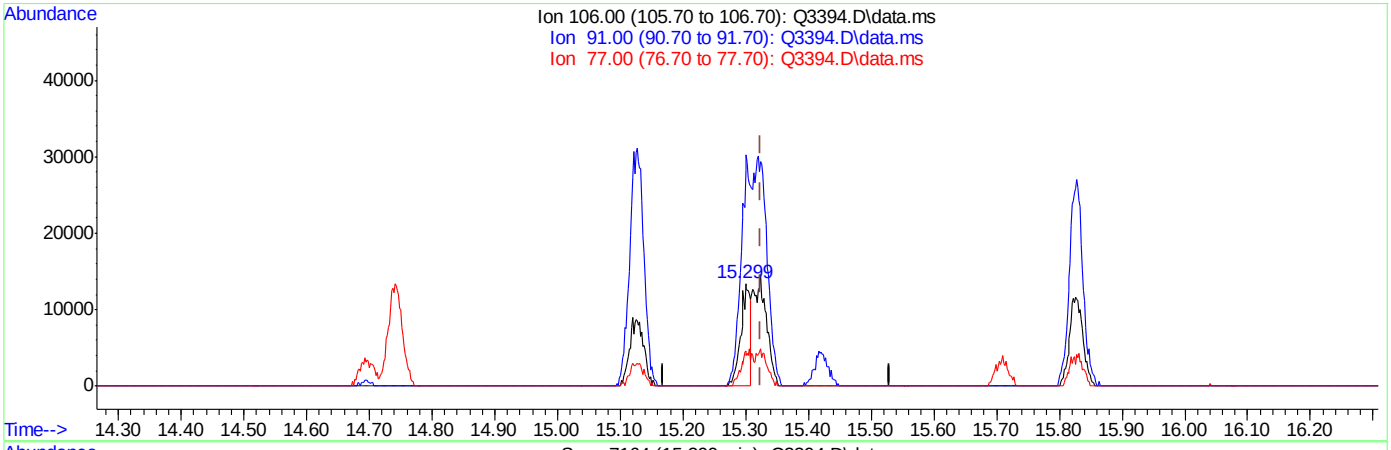
Quant Time: May 16 11:07:11 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 11:05:58 2007
Response via : Initial Calibration

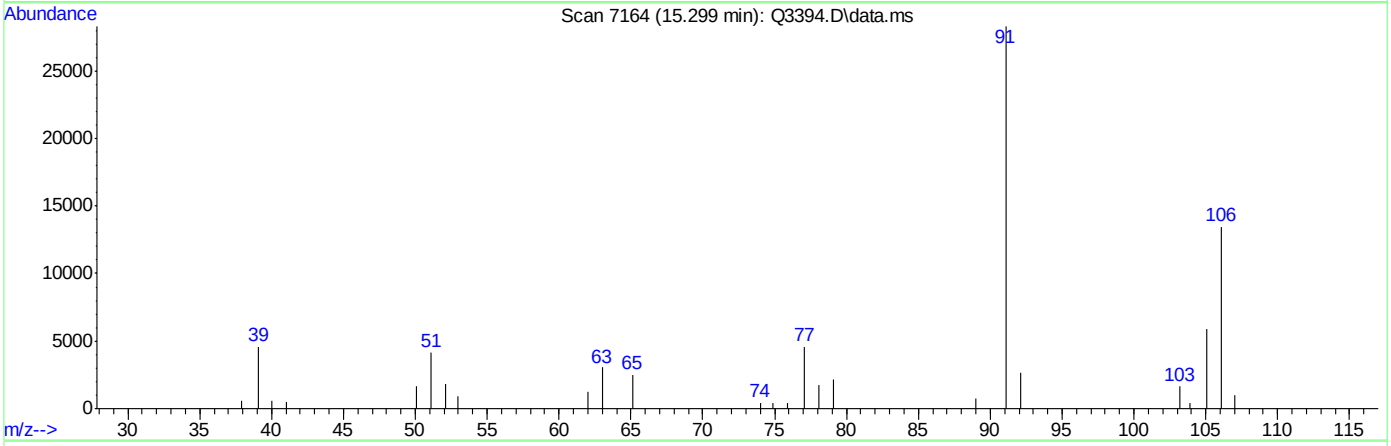


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3394.D
Acq On : 16 May 2007 10:02 am
Operator : PhilipB
Sample : IC185-.5 (M044)
Misc : MS13535,MSQ185,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 16 11:07:00 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 : Wed May 16 11:05:58 2007
Response via : Initial Calibration





TIC: Q3394.D\data.ms

(56) m,p-XYLENE (m)

15.299min (-0.025) 0.50PPBV

response 14888

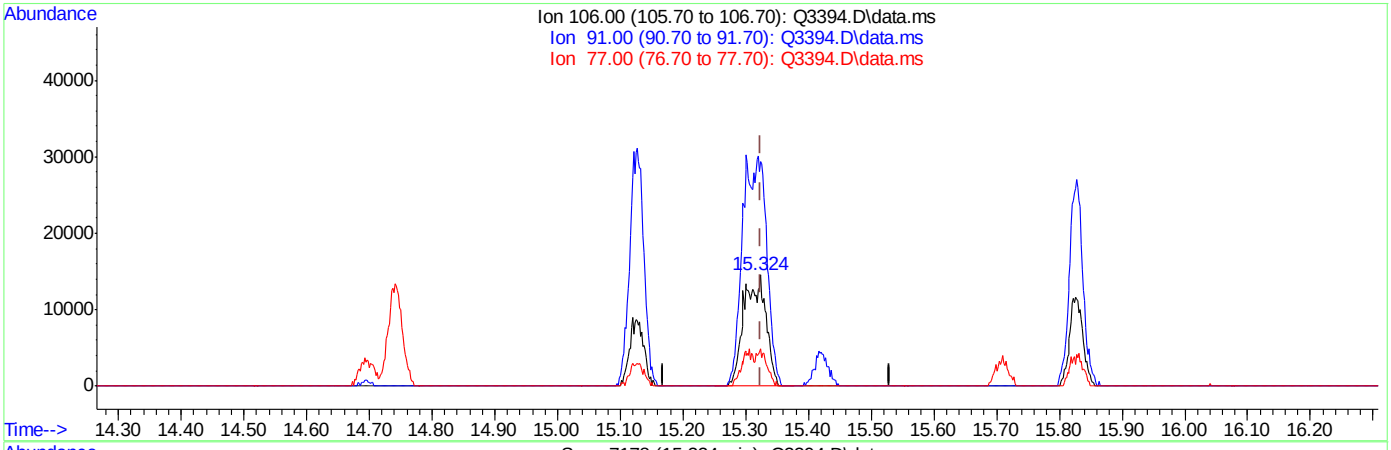
Ion	Exp%	Act%
106.00	100	100
91.00	204.20	210.12
77.00	30.60	33.91
0.00	0.00	0.00

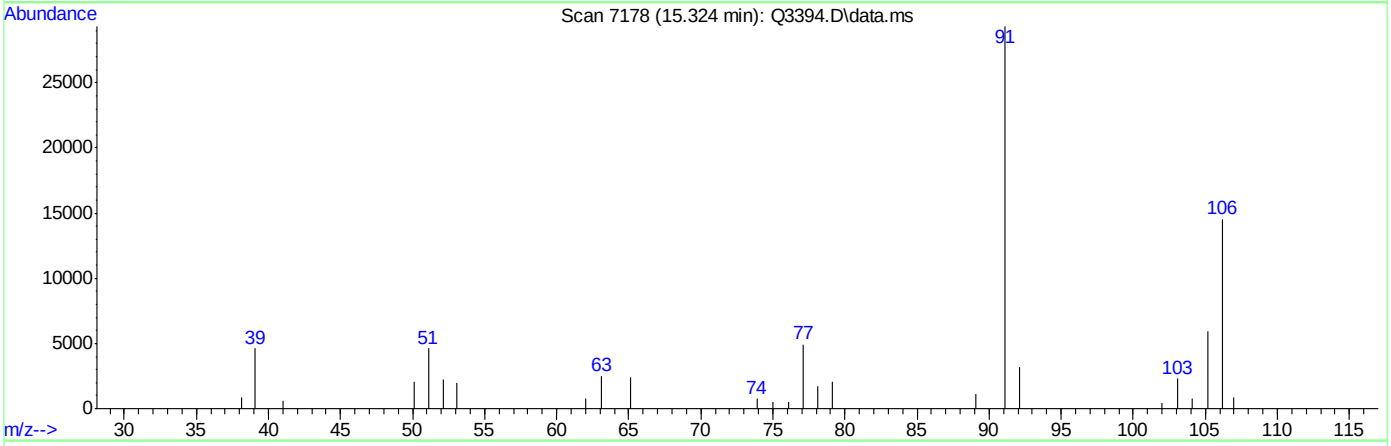
ACCUTEST Laboratories M64940

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3394.D
Acq On : 16 May 2007 10:02 am
Operator : PhilipB
Sample : IC185-.5 (M044)
Misc : MS13535,MSQ185,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 16 11:07:00 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 : Wed May 16 11:05:58 2007
Response via : Initial Calibration





TIC: Q3394.D\data.ms

(56) m,p-XYLENE (m)

15.324min (0.000) 1.22PPBV m

response 36245

Ion	Exp%	Act%
106.00	100	100
91.00	204.20	201.36
77.00	30.60	33.68
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
05/16/07 18:03

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3395.D
Acq On : 16 May 2007 11:30 am
Operator : PhilipB
Sample : ICV185-10 (M068)
Misc : MS13535,MSQ185,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 16 12:01:33 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 11:12:42 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.422	128	112237	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.346	114	552463	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.696	117	465922	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.334	95	203278	5.08	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 101.60%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	3.591	85	933615	9.96	PPBV	84
3) PROPYLENE	3.519	41	339794	10.23	PPBV #	82
4) FREON 114	3.854	85	980986	10.31	PPBV #	100
5) CHLOROMETHANE	3.758	50	431076	10.30	PPBV	96
6) VINYL CHLORIDE	3.980	62	358368	10.35	PPBV	72
7) 1,3-BUTADIENE	4.118	39	346366	9.80	PPBV #	100
8) BROMOMETHANE	4.395	94	311766	11.42	PPBV #	100
9) CHLOROETHANE	4.569	64	150791	10.27	PPBV #	100
10) TRICHLOROFLUOROMETHANE	5.387	101	998039	9.68	PPBV #	100
11) ISOPROPYL ALCOHOL	5.441	45	543958	8.26	PPBV	94
12) ACETONE	5.185	43	559095	9.55	PPBV #	72
13) PENTANE	5.767	42	270295	8.47	PPBV #	100
14) 1,1-DICHLOROETHYLENE	6.067	96	271220	9.86	PPBV #	21
15) CARBON DISULFIDE	6.521	76	548241	8.22	PPBV	67
16) ETHANOL	4.669	45	120941	8.97	PPBV #	100
17) BROMOETHENE	4.938	106	311197	11.68	PPBV #	100
18) METHYLENE CHLORIDE	6.190	84	216261	10.40	PPBV #	1
19) 3-CHLOROPROPENE	6.319	39	177450	7.81	PPBV #	1
20) FREON 113	6.468	151	475296	9.79	PPBV #	100
21) TRANS-1,2-DICHLOROETHY...	7.182	96	221251	9.28	PPBV #	100
22) TERTIARY BUTYL ALCOHOL	6.090	59	553417	9.42	PPBV #	100
23) METHYL TERTIARY BUTYL ...	7.444	73	512460	9.34	PPBV #	100
24) TETRAHYDROFURAN	8.955	42	280511	8.29	PPBV #	100
25) HEXANE	8.458	57	296306	8.03	PPBV #	100
26) VINYL ACETATE	7.535	43	449431	7.40	PPBV	90
27) 1,1-DICHLOROETHANE	7.389	63	412351	8.58	PPBV #	100
28) METHYL ETHYL KETONE	7.792	43	660301	9.83	PPBV	85
29) cis-1,2-DICHLOROETHYLENE	8.248	96	161193	8.90	PPBV #	100
30) ETHYL ACETATE	8.463	43	884822	8.06	PPBV	100
31) CHLOROFORM	8.554	83	444254	8.73	PPBV #	100
32) 1,1,1-TRICHLOROETHANE	9.551	97	507726	9.90	PPBV	91
33) CARBON TETRACHLORIDE	10.158	117	574233	10.21	PPBV	94
34) 1,2-DICHLOROETHANE	9.297	62	401657	9.78	PPBV	99
36) BENZENE	10.012	78	467969	8.15	PPBV	90
37) CYCLOHEXANE	10.286	84	179321	9.32	PPBV #	43
38) TRICHLOROETHYLENE	11.049	95	273817	8.75	PPBV	91
39) 1,2-DICHLOROPROPANE	10.818	63	214608	7.85	PPBV #	65
40) BROMODICHLOROMETHANE	11.013	83	478765	8.99	PPBV	98
41) 2,2,4-TRIMETHYLPENTANE	11.076	57	1021733	7.62	PPBV	96
42) 1,4-DIOXANE	11.040	88	89454	8.58	PPBV #	50
43) HEPTANE	11.326	43	444377	7.75	PPBV #	79

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3395.D
Acq On : 16 May 2007 11:30 am
Operator : PhilipB
Sample : ICV185-10 (M068)
Misc : MS13535,MSQ185,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 16 12:01:33 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 11:12:42 2007
Response via : Initial Calibration

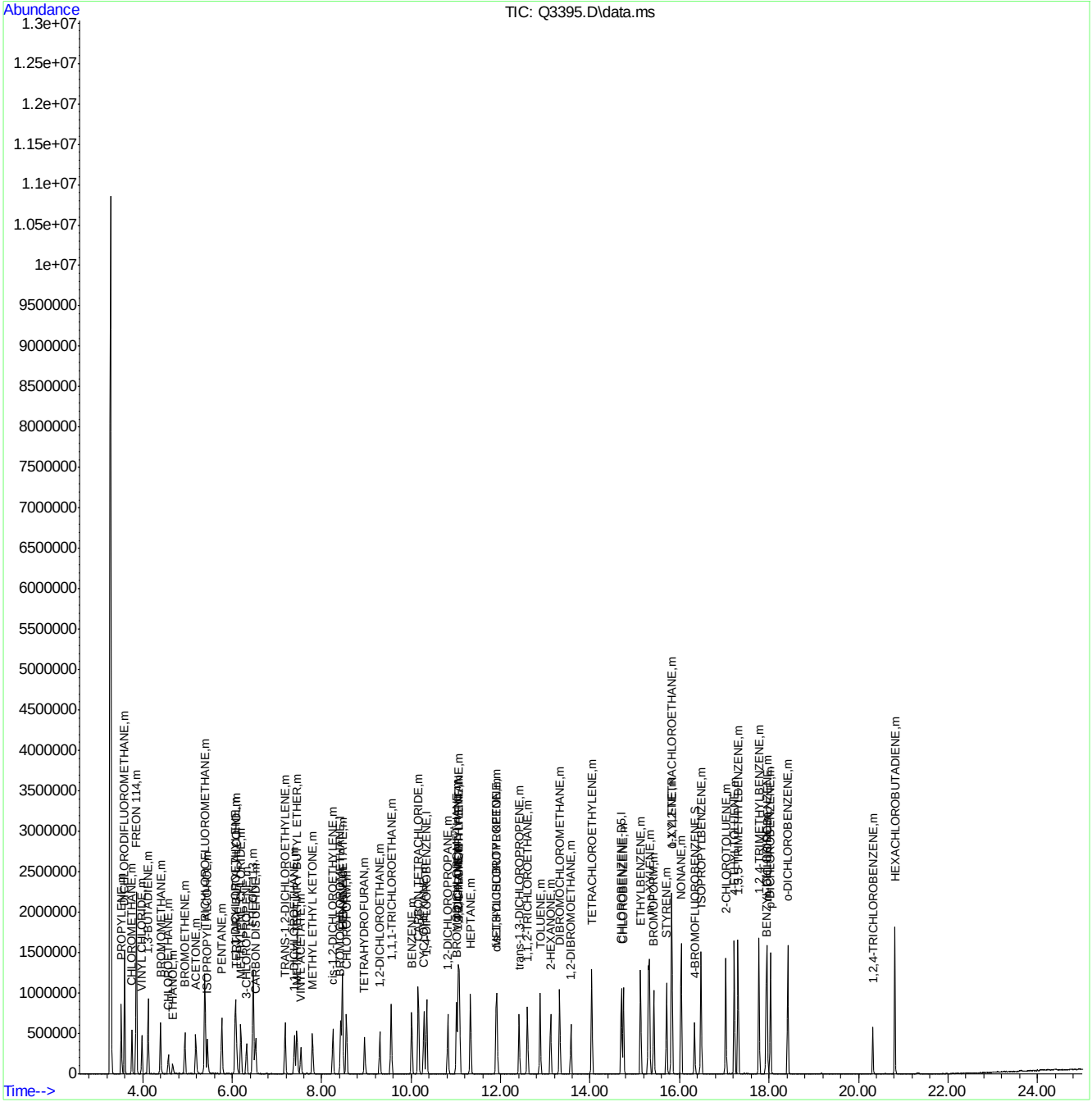
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.919	43	608279	7.38	PPBV	95
45) cis-1,3-DICHLOROPROPENE	11.895	75	296186	8.13	PPBV	100
46) TOLUENE	12.884	92	333074	8.78	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.414	75	312538	9.99	PPBV #	99
48) 1,1,2-TRICHLOROETHANE	12.598	83	181207	7.88	PPBV	95
50) 2-HEXANONE	13.117	43	535705	8.12	PPBV	98
51) TETRACHLOROETHYLENE	14.038	164	201684	12.35	PPBV #	85
52) DIBROMOCHLOROMETHANE	13.319	129	476311	10.28	PPBV	99
53) 1,2-DIBROMOETHANE	13.571	107	371418	9.23	PPBV	99
54) CHLOROBENZENE	14.744	112	456330	9.25	PPBV	94
55) ETHYLBENZENE	15.127	91	804836	9.29	PPBV	96
56) m,p-XYLENE	15.326	106	584358m	18.35	PPBV	
57) o-XYLENE	15.830	106	298030	9.05	PPBV	92
58) STYRENE	15.709	104	424241	10.29	PPBV	100
59) NONANE	16.036	43	682624	7.80	PPBV	85
60) BROMOFORM	15.422	173	404770	11.12	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.821	83	489985	8.39	PPBV	94
63) ISOPROPYLBENZENE	16.480	105	891517	9.33	PPBV	97
64) 2-CHLOROTOLUENE	17.030	91	692087	9.28	PPBV	95
65) 4-ETHYLTOLUENE	17.223	105	864394	10.28	PPBV	95
66) 1,3,5-TRIMETHYLBENZENE	17.307	105	789519	9.69	PPBV	94
67) 1,2,4-TRIMETHYLBENZENE	17.773	105	766252	9.93	PPBV	94
68) m-DICHLOROBENZENE	17.956	146	468863	10.39	PPBV	96
69) BENZYL CHLORIDE	17.935	91	591891	11.28	PPBV	94
70) p-DICHLOROBENZENE	18.031	146	451240	10.85	PPBV	95
71) o-DICHLOROBENZENE	18.420	146	472060	11.68	PPBV	95
72) HEXACHLOROBUTADIENE	20.812	225	200903	14.94	PPBV	98
73) 1,2,4-TRICHLOROBENZENE	20.322	180	111042	14.53	PPBV	95

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3395.D
Acq On : 16 May 2007 11:30 am
Operator : PhilipB
Sample : ICV185-10 (M068)
Misc : MS13535,MSQ185,,,,,1
ALS Vial : 3 Sample Multiplier: 1

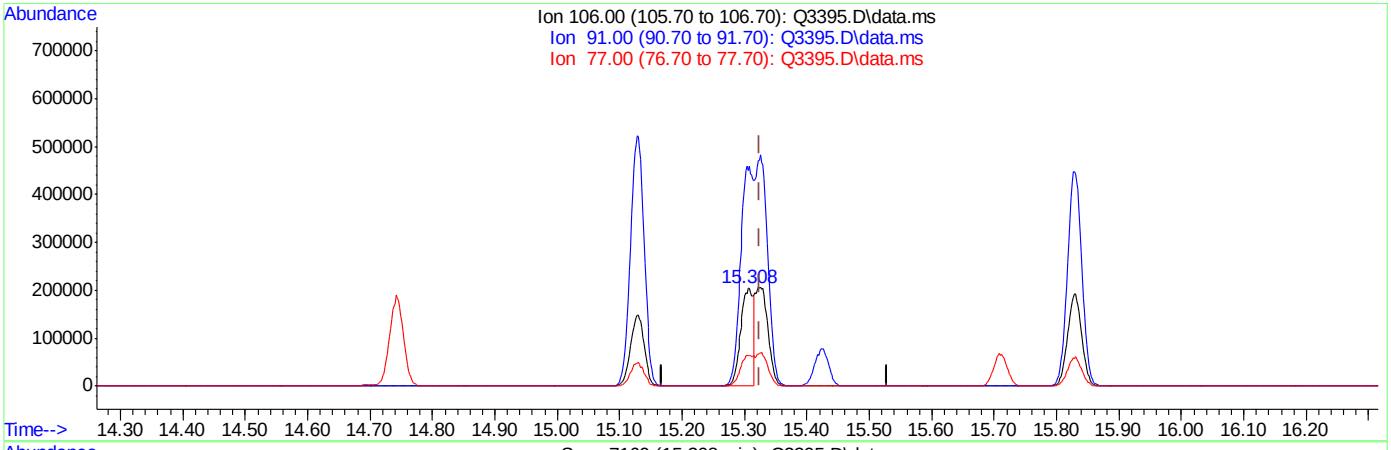
Quant Time: May 16 12:01:33 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 11:12:42 2007
Response via : Initial Calibration

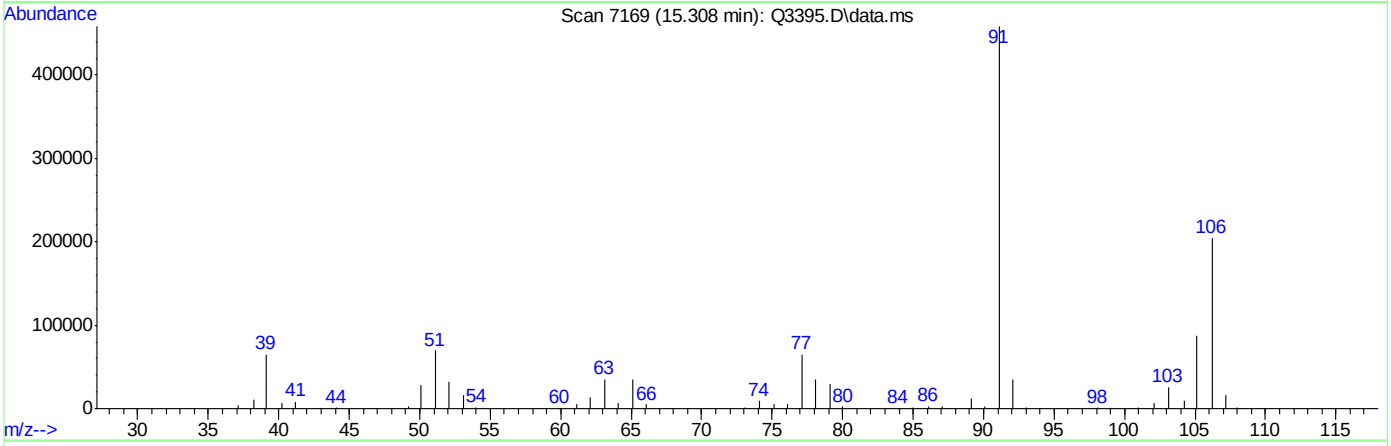


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3395.D
Acq On : 16 May 2007 11:30 am
Operator : PhilipB
Sample : ICV185-10 (M068)
Misc : MS13535,MSQ185,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 16 12:01:19 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 11:12:42 2007
Response via : Initial Calibration





TIC: Q3395.D\data.ms

(56) m,p-XYLENE (m)

15.308min (-0.016) 9.26PPBV

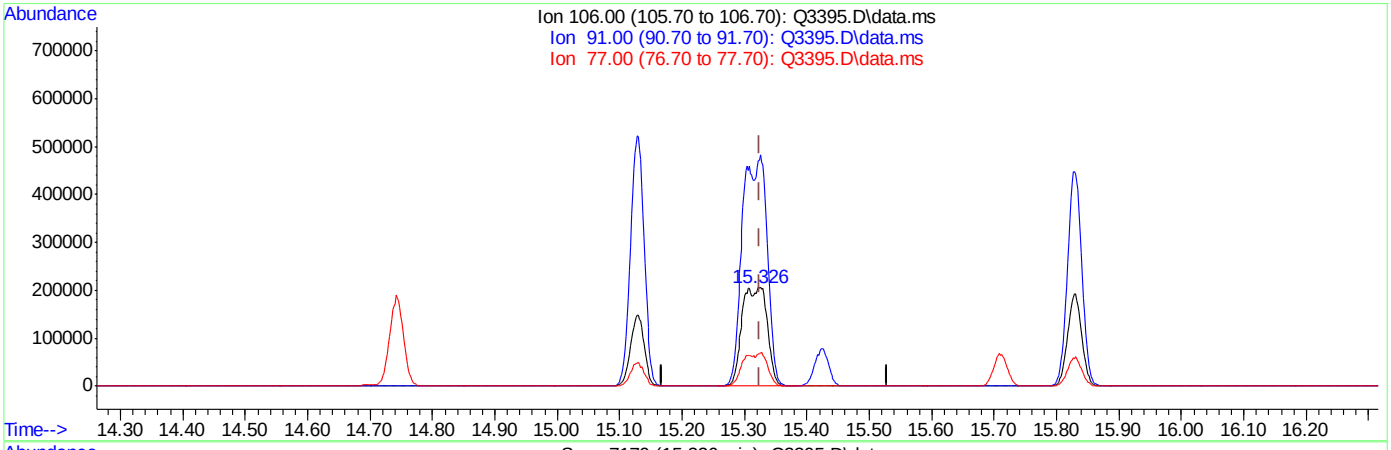
response 294924

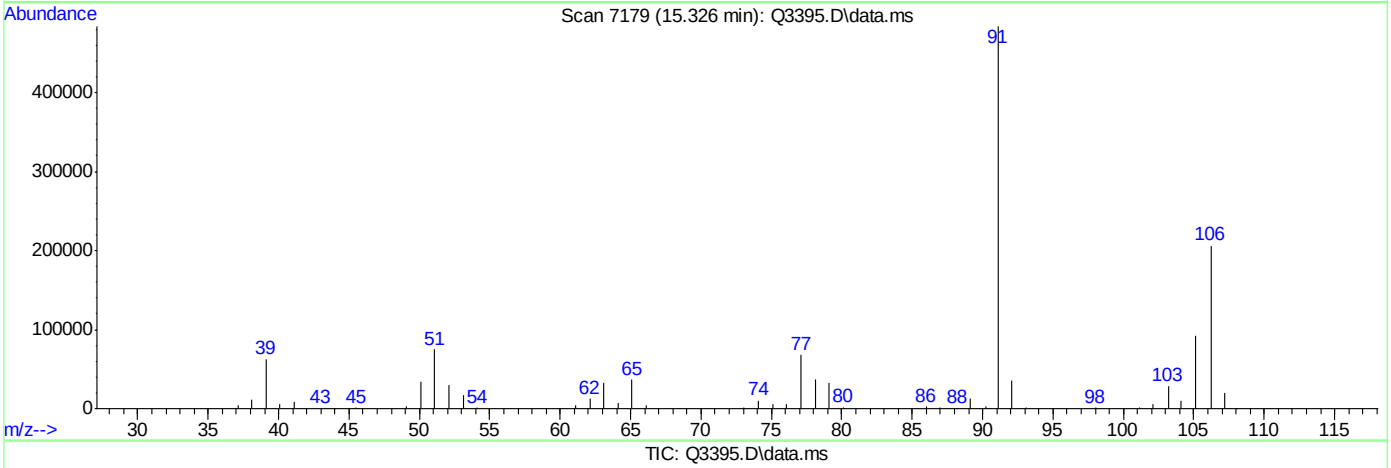
Ion	Exp%	Act%
106.00	100	100
91.00	204.20	223.98
77.00	30.60	31.66
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3395.D
Acq On : 16 May 2007 11:30 am
Operator : PhilipB
Sample : ICV185-10 (M068)
Misc : MS13535,MSQ185,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 16 12:01:19 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 11:12:42 2007
Response via : Initial Calibration





TIC: Q3395.D\data.ms

(56) m,p-XYLENE (m)

15.326min (+0.002) 18.35PPBV m

response 584358

Ion	Exp%	Act%
106.00	100	100
91.00	204.20	234.69
77.00	30.60	32.86
0.00	0.00	0.00

ACCUTEST Laboratories M64940

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
05/18/07 11:39

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3396.D
Acq On : 16 May 2007 12:25 pm
Operator : PhilipB
Sample : CC185-10 (M068)
Misc : MS13535,MSQ186,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 16 13:29:29 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 11:12:42 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.422	128	101478	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.344	114	511481	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.696	117	468169	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.336	95	210260	5.23	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 104.60%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	3.589	85	837189	9.88	PPBV	83
3) PROPYLENE	3.518	41	316625	10.55	PPBV	86
4) FREON 114	3.854	85	882633	10.26	PPBV #	100
5) CHLOROMETHANE	3.756	50	401350	10.61	PPBV	98
6) VINYL CHLORIDE	3.978	62	320468	10.24	PPBV	72
7) 1,3-BUTADIENE	4.117	39	332879	10.42	PPBV #	100
8) BROMOMETHANE	4.395	94	272061	10.97	PPBV #	100
9) CHLOROETHANE	4.571	64	134001	10.09	PPBV #	100
10) TRICHLOROFLUOROMETHANE	5.386	101	797163	8.55	PPBV #	100
11) ISOPROPYL ALCOHOL	5.439	45	416514m	7.00	PPBV	
12) ACETONE	5.183	43	431411	8.15	PPBV #	76
13) PENTANE	5.764	42	212087	7.35	PPBV #	100
14) 1,1-DICHLOROETHYLENE	6.067	96	215747	8.68	PPBV #	18
15) CARBON DISULFIDE	6.520	76	533641	8.85	PPBV	66
16) ETHANOL	4.667	45	116423	9.55	PPBV #	100
17) BROMOETHENE	4.938	106	256272	10.53	PPBV #	100
18) METHYLENE CHLORIDE	6.188	84	175159	9.18	PPBV #	1
19) 3-CHLOROPROPENE	6.319	39	179672	8.79	PPBV #	1
20) FREON 113	6.466	151	456511	10.40	PPBV #	100
21) TRANS-1,2-DICHLOROETHY...	7.178	96	211945	9.84	PPBV #	100
22) TERTIARY BUTYL ALCOHOL	6.087	59	447978	8.44	PPBV #	100
23) METHYL TERTIARY BUTYL ...	7.441	73	489731	9.87	PPBV #	100
24) TETRAHYDROFURAN	8.956	42	307969	10.07	PPBV #	100
25) HEXANE	8.456	57	315018	9.44	PPBV #	100
26) VINYL ACETATE	7.535	43	446883	8.14	PPBV	90
27) 1,1-DICHLOROETHANE	7.391	63	401478	9.23	PPBV #	100
28) METHYL ETHYL KETONE	7.792	43	641133	10.56	PPBV	86
29) cis-1,2-DICHLOROETHYLENE	8.250	96	149414	9.13	PPBV #	100
30) ETHYL ACETATE	8.463	43	1031386	10.39	PPBV	100
31) CHLOROFORM	8.552	83	439265	9.54	PPBV #	100
32) 1,1,1-TRICHLOROETHANE	9.547	97	465786	10.05	PPBV	90
33) CARBON TETRACHLORIDE	10.158	117	523445	10.29	PPBV	94
34) 1,2-DICHLOROETHANE	9.295	62	379207	10.21	PPBV	99
36) BENZENE	10.012	78	425494	8.01	PPBV	88
37) CYCLOHEXANE	10.286	84	160140	8.99	PPBV #	33
38) TRICHLOROETHYLENE	11.051	95	255889	8.83	PPBV #	86
39) 1,2-DICHLOROPROPANE	10.822	63	204012	8.06	PPBV #	65
40) BROMODICHLOROMETHANE	11.012	83	450292	9.13	PPBV	97
41) 2,2,4-TRIMETHYLPENTANE	11.075	57	1025180	8.26	PPBV #	94
42) 1,4-DIOXANE	11.043	88	81086	8.40	PPBV #	21
43) HEPTANE	11.327	43	471253	8.88	PPBV #	75

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3396.D
Acq On : 16 May 2007 12:25 pm
Operator : PhilipB
Sample : CC185-10 (M068)
Misc : MS13535,MSQ186,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 16 13:29:29 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 11:12:42 2007
Response via : Initial Calibration

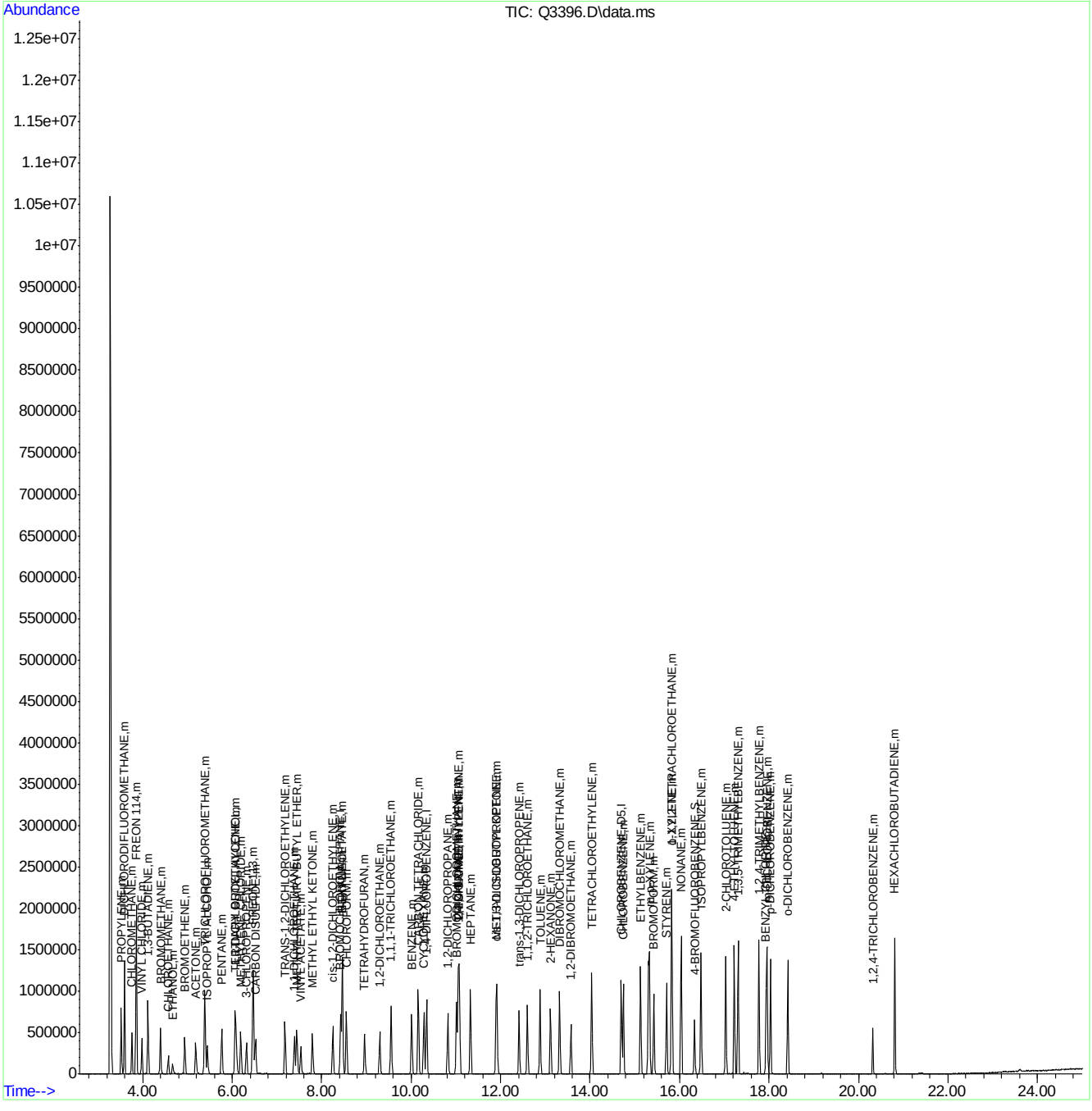
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.917	43	690684	9.05	PPBV	91
45) cis-1,3-DICHLOROPROPENE	11.895	75	293113	8.70	PPBV	89
46) TOLUENE	12.880	92	314175	8.94	PPBV	96
47) trans-1,3-DICHLOROPROPENE	12.410	75	307965	10.63	PPBV #	99
48) 1,1,2-TRICHLOROETHANE	12.598	83	172616	8.11	PPBV	93
50) 2-HEXANONE	13.115	43	606351	9.15	PPBV	93
51) TETRACHLOROETHYLENE	14.036	164	176825	11.02	PPBV #	81
52) DIBROMOCHLOROMETHANE	13.319	129	436514	9.38	PPBV	99
53) 1,2-DIBROMOETHANE	13.573	107	349008	8.63	PPBV	98
54) CHLOROBENZENE	14.740	112	425898	8.59	PPBV	89
55) ETHYLBENZENE	15.127	91	792019	9.10	PPBV	94
56) m,p-XYLENE	15.326	106	561105m	17.54	PPBV	
57) o-XYLENE	15.828	106	281319	8.51	PPBV #	88
58) STYRENE	15.708	104	390785	9.44	PPBV	98
59) NONANE	16.036	43	737369	8.39	PPBV	82
60) BROMOFORM	15.424	173	357045	9.76	PPBV	98
62) 1,1,2,2-TETRACHLOROETHANE	15.819	83	475988	8.11	PPBV	94
63) ISOPROPYLBENZENE	16.481	105	832886	8.68	PPBV	96
64) 2-CHLOROTOLUENE	17.033	91	652550	8.71	PPBV	92
65) 4-ETHYLTOLUENE	17.225	105	809350	9.58	PPBV	93
66) 1,3,5-TRIMETHYLBENZENE	17.308	105	749228	9.15	PPBV	93
67) 1,2,4-TRIMETHYLBENZENE	17.773	105	730675	9.43	PPBV	92
68) m-DICHLOROBENZENE	17.958	146	418170	9.22	PPBV	95
69) BENZYL CHLORIDE	17.933	91	559153	10.60	PPBV	93
70) p-DICHLOROBENZENE	18.033	146	395868	9.47	PPBV	95
71) o-DICHLOROBENZENE	18.419	146	406545	10.01	PPBV	96
72) HEXACHLOROBUTADIENE	20.810	225	163831	12.99	PPBV	98
73) 1,2,4-TRICHLOROBENZENE	20.322	180	92517	12.74	PPBV	95

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3396.D
Acq On : 16 May 2007 12:25 pm
Operator : PhilipB
Sample : CC185-10 (M068)
Misc : MS13535,MSQ186,,,,,1
ALS Vial : 3 Sample Multiplier: 1

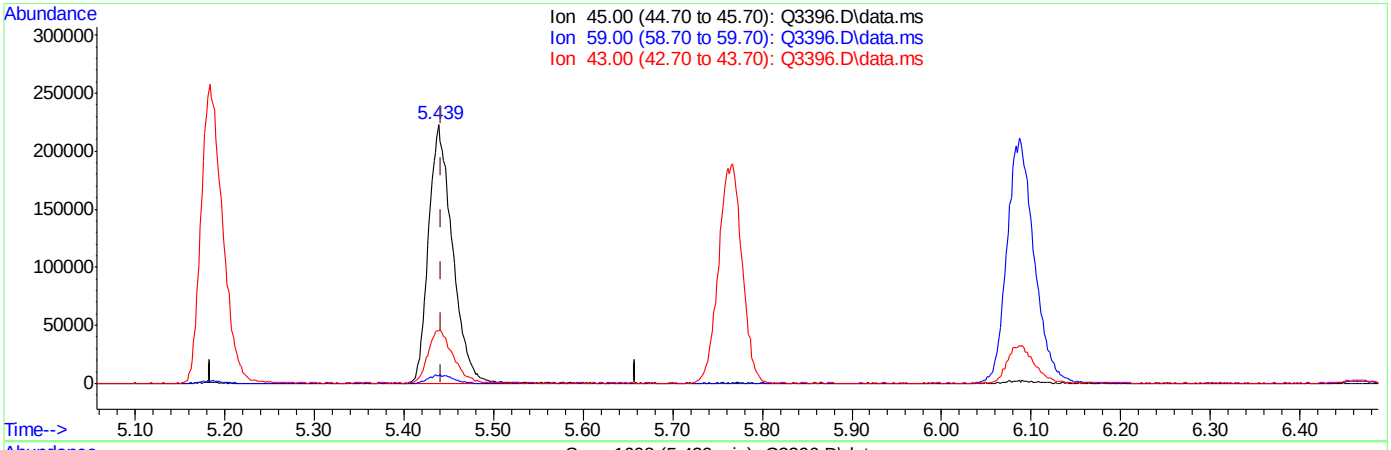
Quant Time: May 16 13:29:29 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 11:12:42 2007
Response via : Initial Calibration

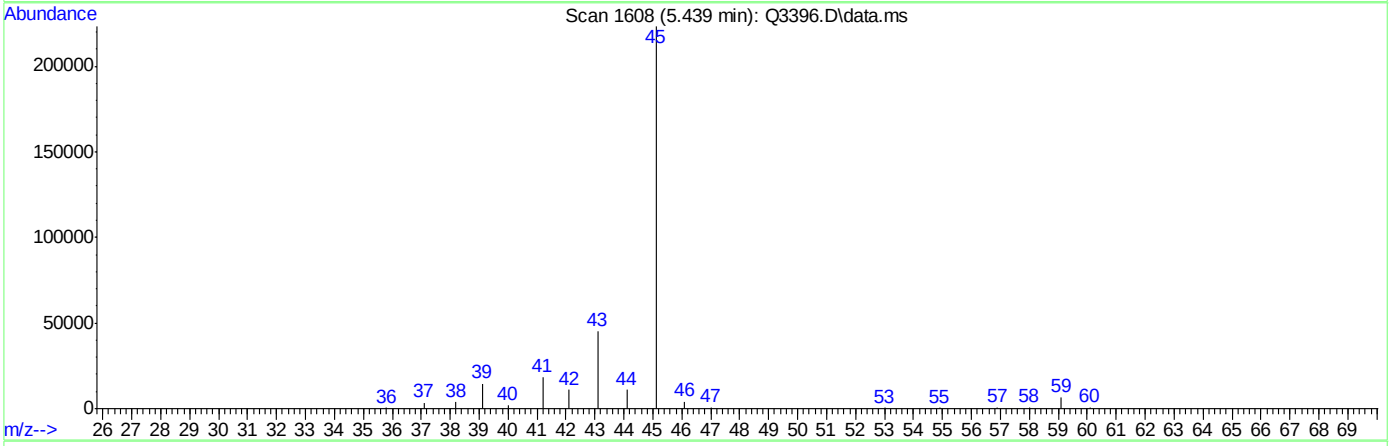


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3396.D
Acq On : 16 May 2007 12:25 pm
Operator : PhilipB
Sample : CC185-10 (M068)
Misc : MS13535,MSQ186,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 16 13:28:09 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 11:12:42 2007
Response via : Initial Calibration





TIC: Q3396.D\data.ms

(11) ISOPROPYL ALCOHOL (m)

5.439min (-0.004) 6.93PPBV

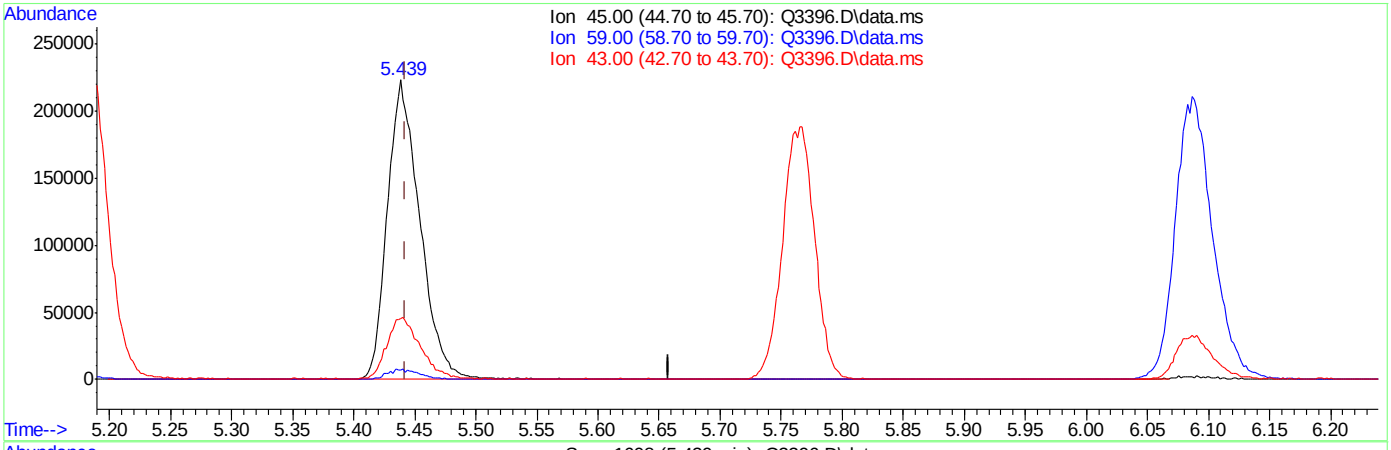
response 412460

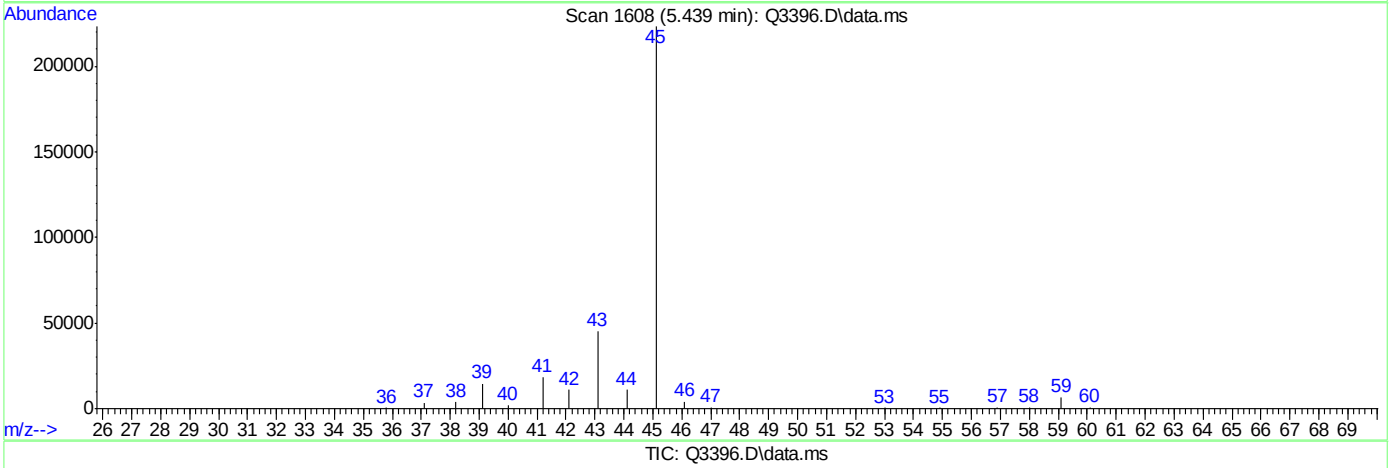
Ion	Exp%	Act%
45.00	100	100
59.00	2.80	3.09
43.00	22.80	20.29
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3396.D
Acq On    : 16 May 2007  12:25 pm
Operator  : PhilipB
Sample    : CC185-10 (M068)
Misc      : MS13535,MSQ186,,,,,1
ALS Vial  : 3   Sample Multiplier: 1

Quant Time: May 16 13:28:09 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 11:12:42 2007
Response via : Initial Calibration
```



TIC: Q3396.D\data.ms

(11) ISOPROPYL ALCOHOL (m)

5.439min (-0.004) 7.00PPBV m

response 416514

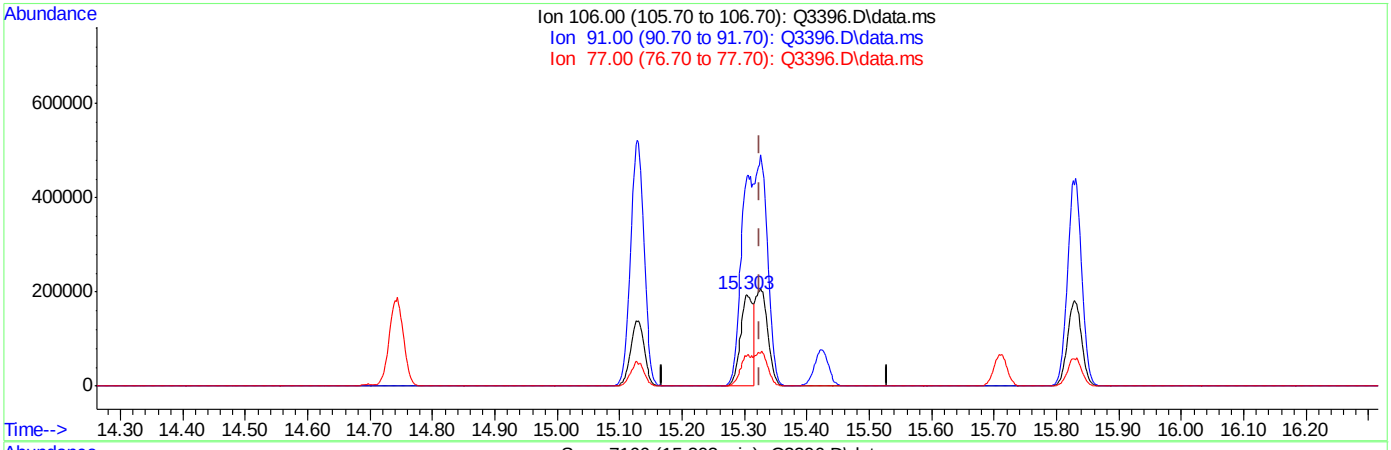
Ion	Exp%	Act%
45.00	100	100
59.00	2.80	3.09
43.00	22.80	20.29
0.00	0.00	0.00

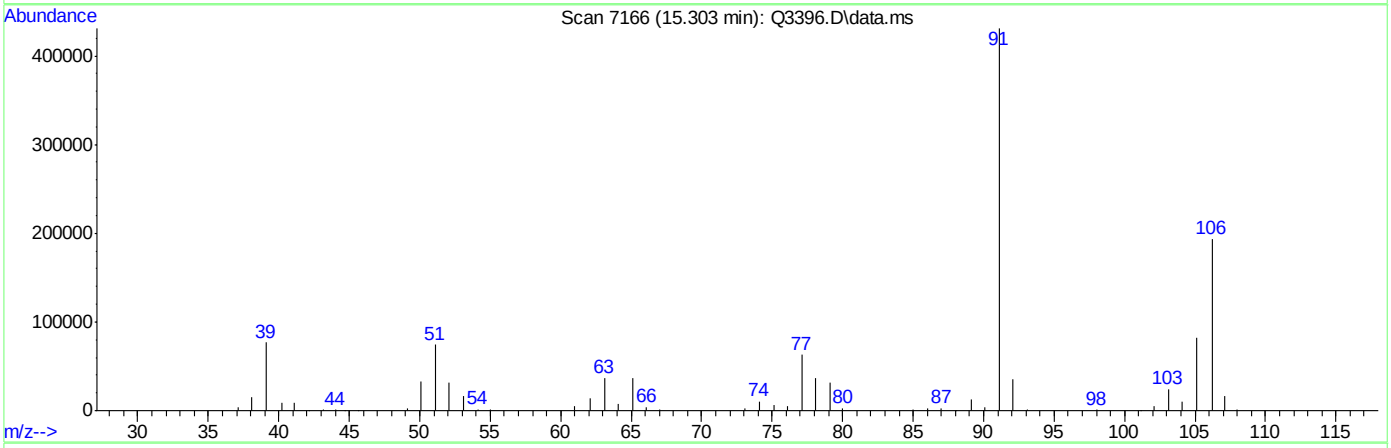
ACCUTEST Laboratories M64940

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3396.D
Acq On : 16 May 2007 12:25 pm
Operator : PhilipB
Sample : CC185-10 (M068)
Misc : MS13535,MSQ186,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 16 13:28:09 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 11:12:42 2007
Response via : Initial Calibration





TIC: Q3396.D\data.ms

(56) m,p-XYLENE (m)

15.303min (-0.021) 8.75PPBV

response 280032

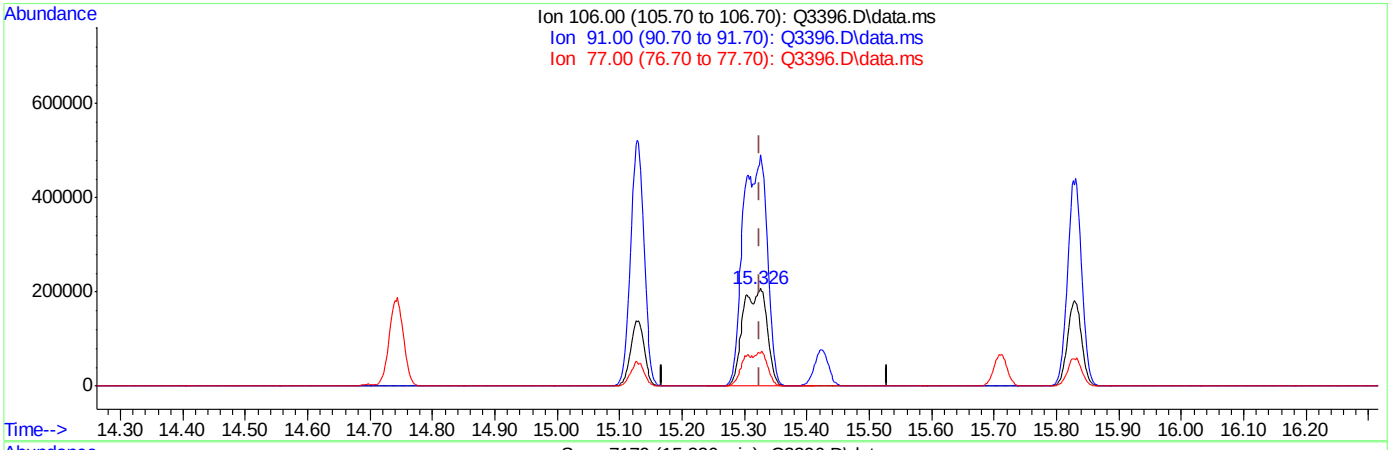
Ion	Exp%	Act%
106.00	100	100
91.00	204.20	222.17
77.00	30.60	32.39
0.00	0.00	0.00

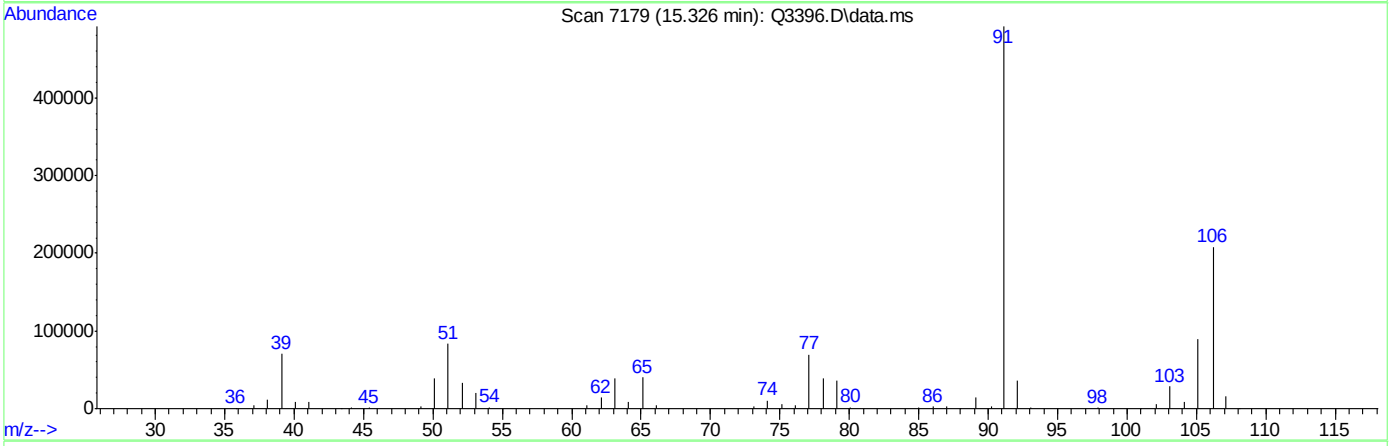
ACCUTEST Laboratories M64940

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3396.D
Acq On    : 16 May 2007  12:25 pm
Operator  : PhilipB
Sample    : CC185-10 (M068)
Misc      : MS13535,MSQ186,,,,,1
ALS Vial  : 3   Sample Multiplier: 1

Quant Time: May 16 13:28:09 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 11:12:42 2007
Response via : Initial Calibration
```



TIC: Q3396.D\data.ms

(56) m,p-XYLENE (m)

15.326min (+0.002) 17.54PPBV m

response 561105

Ion	Exp%	Act%
106.00	100	100
91.00	204.20	236.70
77.00	30.60	33.39
0.00	0.00	0.00

ACCUTEST Laboratories M64940

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
05/23/07 10:30

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3453.D
Acq On : 18 May 2007 4:25 pm
Operator : PhilipB
Sample : CC185-10 (M068)
Misc : MS13593,MSQ188,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 21 09:23:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 11:12:42 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.427	128	116026	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.346	114	549054	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.696	117	452086	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.334	95	193517	4.98	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 99.60%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	3.600	85	769649	7.95	PPBV	83
3) PROPYLENE	3.529	41	192168	5.60	PPBV	92
4) FREON 114	3.865	85	784945	7.98	PPBV #	100
5) CHLOROMETHANE	3.767	50	306658	7.09	PPBV	98
6) VINYL CHLORIDE	3.989	62	262022	7.32	PPBV	72
7) 1,3-BUTADIENE	4.129	39	297618	8.15	PPBV #	100
8) BROMOMETHANE	4.406	94	260824	9.00	PPBV #	100
9) CHLOROETHANE	4.580	64	134981	8.89	PPBV #	100
10) TRICHLOROFLUOROMETHANE	5.396	101	1057835	9.93	PPBV #	100
11) ISOPROPYL ALCOHOL	5.446	45	617421	9.07	PPBV	99
12) ACETONE	5.194	43	634551	10.48	PPBV #	75
13) PENTANE	5.774	42	427002	12.95	PPBV #	100
14) 1,1-DICHLOROETHYLENE	6.078	96	297750	10.47	PPBV #	4
15) CARBON DISULFIDE	6.528	76	785023	11.39	PPBV #	55
16) ETHANOL	4.679	45	111809	8.03	PPBV #	100
17) BROMOETHENE	4.951	106	275407	9.83	PPBV #	100
18) METHYLENE CHLORIDE	6.200	84	270834	12.87	PPBV #	1
19) 3-CHLOROPROPENE	6.323	39	342653	14.93	PPBV #	1
20) FREON 113	6.472	151	517658	10.31	PPBV #	100
21) TRANS-1,2-DICHLOROETHY...	7.185	96	266584	10.82	PPBV #	100
22) TERTIARY BUTYL ALCOHOL	6.094	59	650003	10.71	PPBV #	100
23) METHYL TERTIARY BUTYL ...	7.448	73	586156	10.34	PPBV #	100
24) TETRAHYDROFURAN	8.960	42	298209	8.53	PPBV #	100
25) HEXANE	8.463	57	349186	9.15	PPBV #	100
26) VINYL ACETATE	7.538	43	810715	12.92	PPBV	86
27) 1,1-DICHLOROETHANE	7.396	63	617587	12.42	PPBV #	100
28) METHYL ETHYL KETONE	7.797	43	615523	8.87	PPBV	89
29) cis-1,2-DICHLOROETHYLENE	8.257	96	159221	8.51	PPBV #	100
30) ETHYL ACETATE	8.466	43	1094387	9.64	PPBV	100
31) CHLOROFORM	8.557	83	508257	9.66	PPBV #	100
32) 1,1,1-TRICHLOROETHANE	9.553	97	502888	9.49	PPBV #	87
33) CARBON TETRACHLORIDE	10.160	117	550181	9.46	PPBV	93
34) 1,2-DICHLOROETHANE	9.301	62	405491	9.55	PPBV	99
36) BENZENE	10.012	78	482502	8.46	PPBV	88
37) CYCLOHEXANE	10.286	84	173882	9.10	PPBV #	31
38) TRICHLOROETHYLENE	11.051	95	298238	9.59	PPBV #	81
39) 1,2-DICHLOROPROPANE	10.818	63	234897	8.65	PPBV #	64
40) BROMODICHLOROMETHANE	11.013	83	500573	9.46	PPBV	97
41) 2,2,4-TRIMETHYLPENTANE	11.077	57	1217357	9.14	PPBV #	91
42) 1,4-DIOXANE	11.043	88	89283	8.62	PPBV #	20
43) HEPTANE	11.326	43	530049	9.30	PPBV #	75

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3453.D
Acq On : 18 May 2007 4:25 pm
Operator : PhilipB
Sample : CC185-10 (M068)
Misc : MS13593,MSQ188,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 21 09:23:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 11:12:42 2007
Response via : Initial Calibration

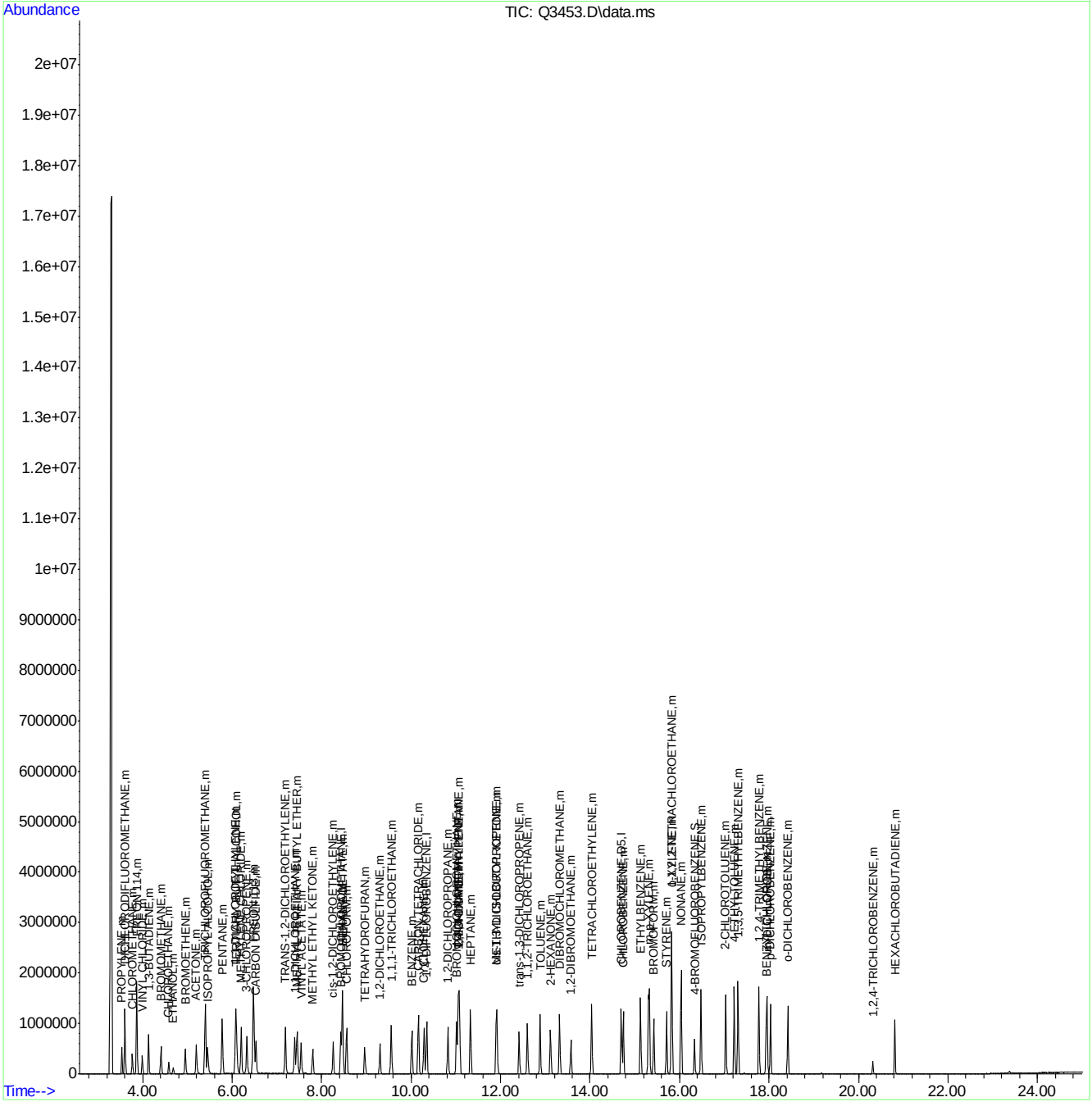
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) METHYL ISOBUTYL KETONE	11.917	43	763748	9.32	PPBV		91
45) cis-1,3-DICHLOROPROPENE	11.901	75	297051	8.21	PPBV	#	82
46) TOLUENE	12.882	92	335612	8.90	PPBV		96
47) trans-1,3-DICHLOROPROPENE	12.412	75	290439	9.34	PPBV	#	100
48) 1,1,2-TRICHLOROETHANE	12.596	83	205575	9.00	PPBV		90
50) 2-HEXANONE	13.113	43	618677	9.67	PPBV		93
51) TETRACHLOROETHYLENE	14.038	164	162438	10.57	PPBV	#	77
52) DIBROMOCHLOROMETHANE	13.319	129	452791	10.08	PPBV		99
53) 1,2-DIBROMOETHANE	13.573	107	361542	9.26	PPBV		98
54) CHLOROBENZENE	14.742	112	436720	9.12	PPBV		87
55) ETHYLBENZENE	15.125	91	820268	9.76	PPBV		93
56) m,p-XYLENE	15.322	106	592712m	19.18	PPBV		
57) o-XYLENE	15.825	106	306677	9.60	PPBV	#	83
58) STYRENE	15.708	104	372733	9.32	PPBV		97
59) NONANE	16.034	43	867726	10.22	PPBV		81
60) BROMOFORM	15.422	173	341268	9.66	PPBV		98
62) 1,1,2,2-TETRACHLOROETHANE	15.819	83	610636	10.78	PPBV		95
63) ISOPROPYLBENZENE	16.480	105	835104	9.01	PPBV		92
64) 2-CHLOROTOLUENE	17.030	91	649752	8.98	PPBV		86
65) 4-ETHYLTOLUENE	17.223	105	790448	9.69	PPBV		91
66) 1,3,5-TRIMETHYLBENZENE	17.307	105	738217	9.34	PPBV		91
67) 1,2,4-TRIMETHYLBENZENE	17.772	105	676918	9.04	PPBV		89
68) m-DICHLOROBENZENE	17.958	146	344906	7.88	PPBV		93
69) BENZYL CHLORIDE	17.935	91	470116	9.23	PPBV		88
70) p-DICHLOROBENZENE	18.029	146	306424	7.59	PPBV		92
71) o-DICHLOROBENZENE	18.419	146	284356	7.25	PPBV		90
72) HEXACHLOROBUTADIENE	20.810	225	73139	7.49	PPBV		96
73) 1,2,4-TRICHLOROBENZENE	20.320	180	30752	5.52	PPBV		95

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3453.D
Acq On : 18 May 2007 4:25 pm
Operator : PhilipB
Sample : CC185-10 (M068)
Misc : MS13593,MSQ188,,,,,1
ALS Vial : 1 Sample Multiplier: 1

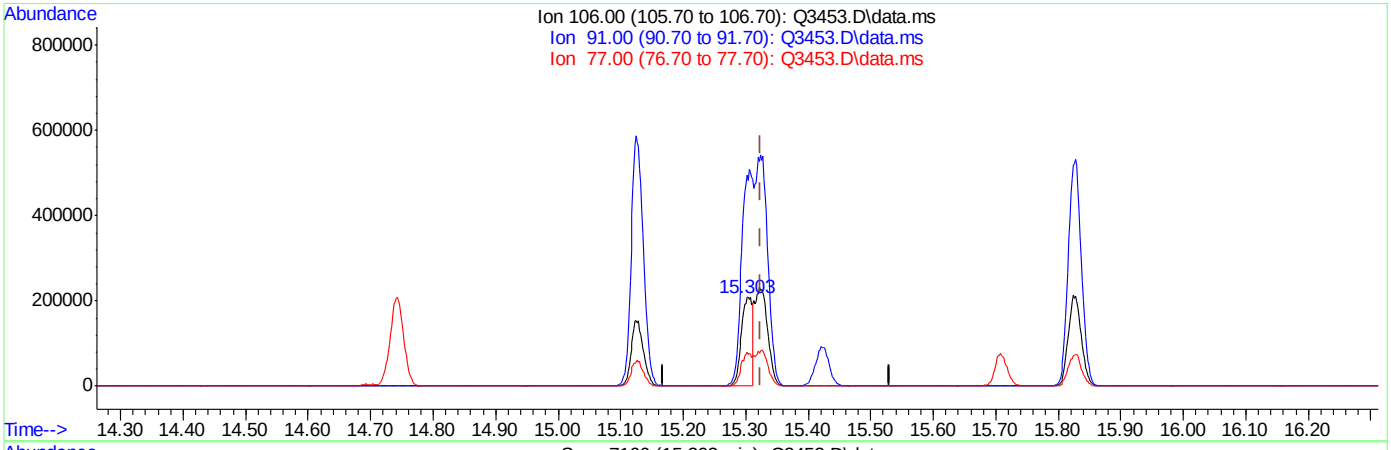
Quant Time: May 21 09:23:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 11:12:42 2007
Response via : Initial Calibration

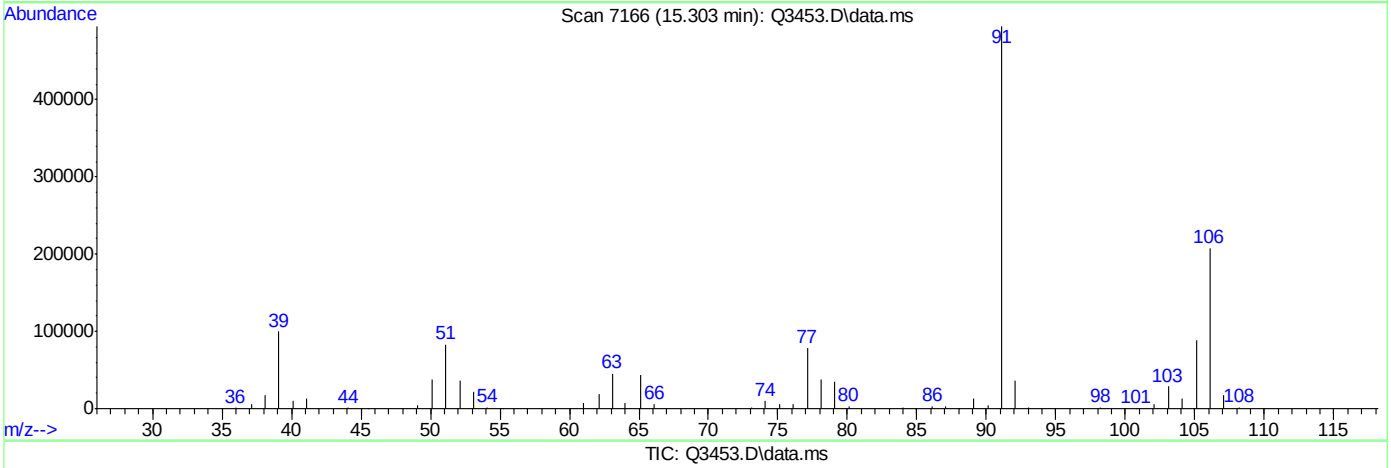


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3453.D
Acq On : 18 May 2007 4:25 pm
Operator : PhilipB
Sample : CC185-10 (M068)
Misc : MS13593,MSQ188,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 21 09:22:53 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 11:12:42 2007
Response via : Initial Calibration





TIC: Q3453.D\data.ms

(56) m,p-XYLENE (m)

15.303min (-0.021) 8.50PPBV

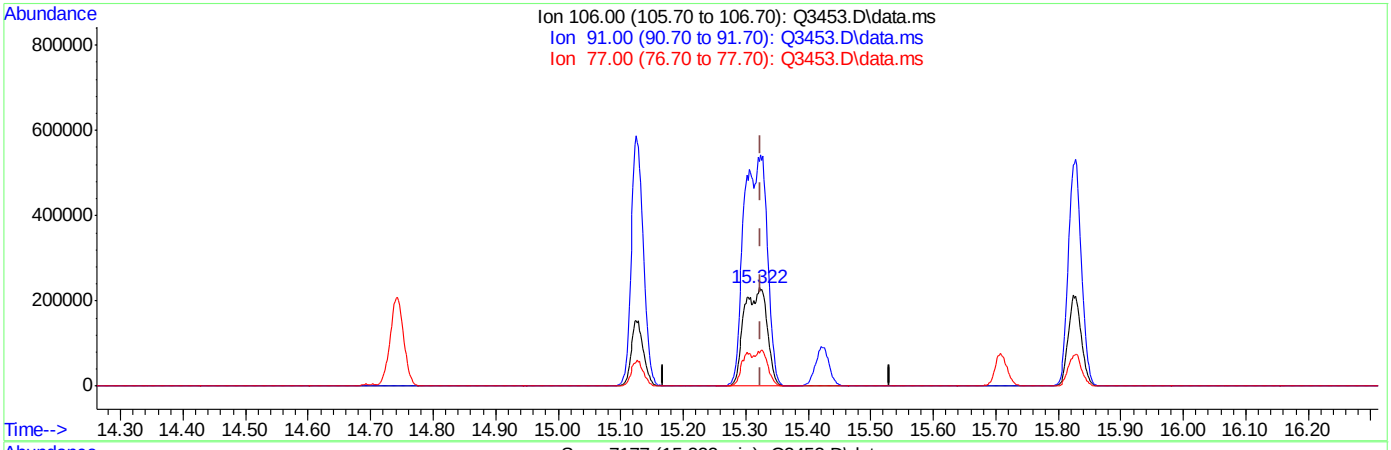
response 262544

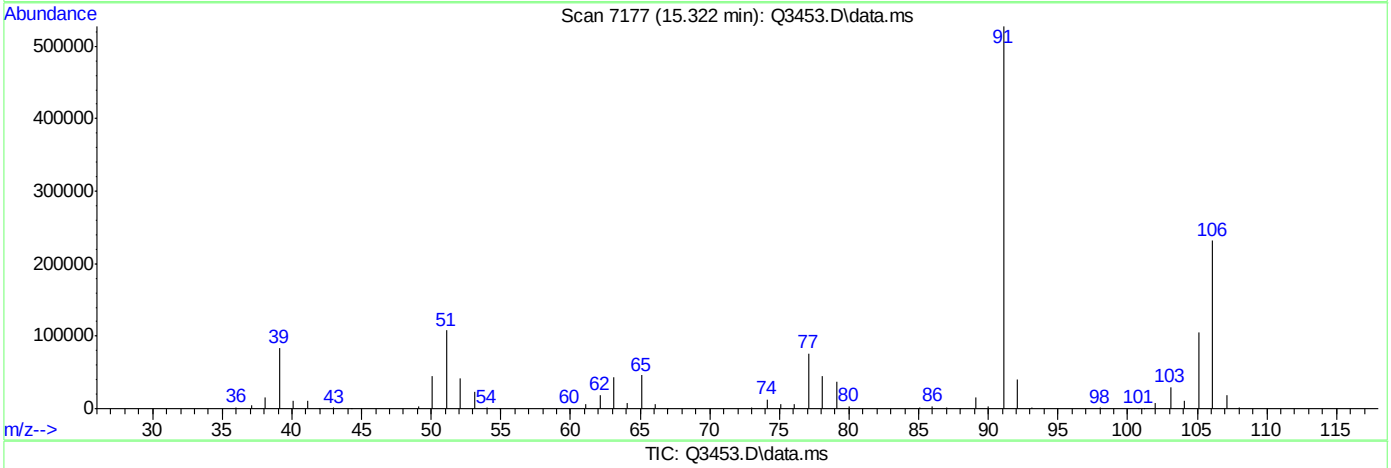
Ion	Exp%	Act%
106.00	100	100
91.00	204.20	237.65
77.00	30.60	37.92#
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3453.D
Acq On    : 18 May 2007   4:25 pm
Operator  : PhilipB
Sample    : CC185-10 (M068)
Misc      : MS13593,MSQ188,,,,,1
ALS Vial  : 1   Sample Multiplier: 1

Quant Time: May 21 09:22:53 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 11:12:42 2007
Response via : Initial Calibration
```



TIC: Q3453.D\data.ms

(56) m,p-XYLENE (m)

15.322min (-0.002) 19.18PPBV m

response 592712

Ion	Exp%	Act%
106.00	100	100
91.00	204.20	227.75
77.00	30.60	32.92
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
05/23/07 16:02

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3474.D
Acq On : 21 May 2007 5:28 pm
Operator : PhilipB
Sample : IC189-40 (M060)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 22 09:19:01 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:18:43 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.429	128	81469	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.348	114	363145	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.699	117	329063	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.336	95	130212	4.60	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 92.00%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	3.595	85	1737546	25.55	PPBV	79
3) PROPYLENE	3.524	41	158202	6.56	PPBV	90
4) FREON 114	3.861	85	1449373	20.99	PPBV #	100
5) CHLOROMETHANE	3.762	50	215217	7.09	PPBV	91
6) VINYL CHLORIDE	3.987	62	239046	9.51	PPBV	75
7) 1,3-BUTADIENE	4.124	39	501052	19.53	PPBV #	100
8) BROMOMETHANE	4.399	94	540071	24.87	PPBV #	100
9) CHLOROETHANE	4.574	64	200260	18.78	PPBV #	100
10) TRICHLOROFLUOROMETHANE	5.393	101	3772787	50.43	PPBV #	100
11) ISOPROPYL ALCOHOL	5.446	45	1112115	23.27	PPBV	97
12) ACETONE	5.187	43	1295210	30.46	PPBV	82
13) PENTANE	5.771	42	646008	27.90	PPBV #	100
14) 1,1-DICHLOROETHYLENE	6.074	96	829949	41.57	PPBV #	18
15) CARBON DISULFIDE	6.525	76	2070929	42.78	PPBV #	49
16) ETHANOL	4.677	45	153177	15.66	PPBV #	100
17) BROMOETHENE	4.945	106	727722	33.06	PPBV #	100
18) METHYLENE CHLORIDE	6.198	84	678503	29.90	PPBV #	1
19) 3-CHLOROPROPENE	6.324	39	1028506	53.03	PPBV #	1
20) FREON 113	6.472	151	2880550	81.72	PPBV #	100
21) TRANS-1,2-DICHLOROETHY...	7.183	96	897677	51.90	PPBV #	100
22) TERTIARY BUTYL ALCOHOL	6.094	59	1346505	31.59	PPBV #	100
23) METHYL TERTIARY BUTYL ...	7.446	73	2135079	53.62	PPBV #	100
24) TETRAHYDROFURAN	8.954	42	537410	21.89	PPBV #	100
25) HEXANE	8.461	57	629668	23.50	PPBV #	100
26) VINYL ACETATE	7.538	43	2107316	47.83	PPBV	92
27) 1,1-DICHLOROETHANE	7.396	63	1527322	43.76	PPBV #	100
28) METHYL ETHYL KETONE	7.796	43	1257602	25.80	PPBV	95
29) cis-1,2-DICHLOROETHYLENE	8.253	96	536997	40.87	PPBV #	100
30) ETHYL ACETATE	8.465	43	1930774	24.23	PPBV	100
31) CHLOROFORM	8.557	83	1552888	42.02	PPBV #	100
32) 1,1,1-TRICHLOROETHANE	9.553	97	1836835	49.35	PPBV	96
33) CARBON TETRACHLORIDE	10.161	117	2222203	54.44	PPBV	97
34) 1,2-DICHLOROETHANE	9.302	62	1090353	36.58	PPBV	99
36) BENZENE	10.014	78	1619573	42.92	PPBV	99
37) CYCLOHEXANE	10.287	84	502688	39.76	PPBV	86
38) TRICHLOROETHYLENE	11.054	95	956995	46.53	PPBV	94
39) 1,2-DICHLOROPROPANE	10.825	63	505699	28.14	PPBV #	76
40) BROMODICHLOROMETHANE	11.017	83	1727874	49.35	PPBV	98
41) 2,2,4-TRIMETHYLPENTANE	11.081	57	2462969	27.95	PPBV #	94
42) 1,4-DIOXANE	11.042	88	294060	42.92	PPBV	84
43) HEPTANE	11.327	43	937861	24.88	PPBV	89

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3474.D
Acq On : 21 May 2007 5:28 pm
Operator : PhilipB
Sample : IC189-40 (M060)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 22 09:19:01 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:18:43 2007
Response via : Initial Calibration

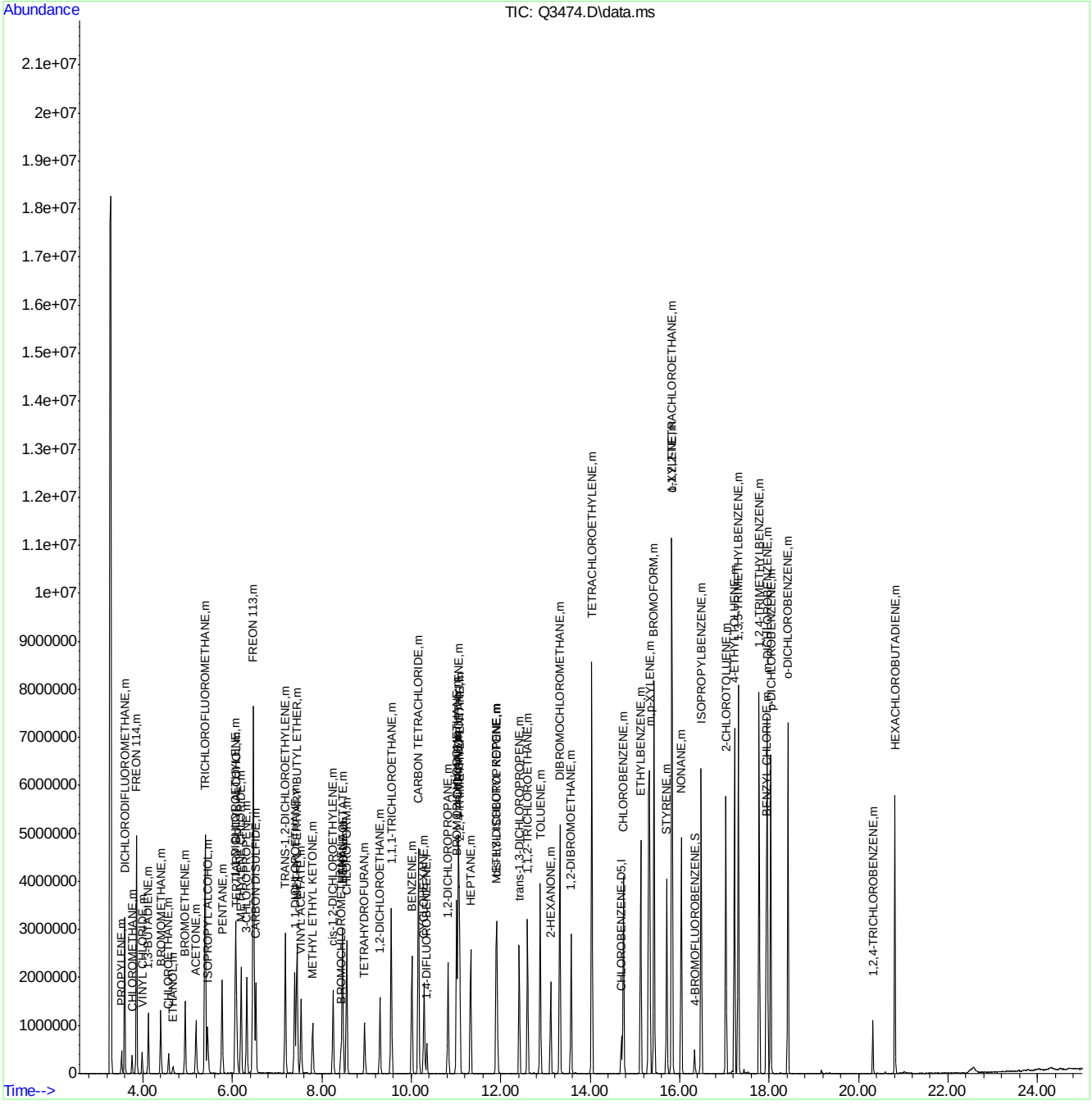
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.920	43	1498048	27.64	PPBV	95
45) cis-1,3-DICHLOROPROPENE	11.899	75	943855	39.44	PPBV	87
46) TOLUENE	12.886	92	1278572	51.25	PPBV	98
47) trans-1,3-DICHLOROPROPENE	12.417	75	1031995	50.19	PPBV #	99
48) 1,1,2-TRICHLOROETHANE	12.600	83	629189	41.64	PPBV	94
50) 2-HEXANONE	13.120	43	1261616	27.09	PPBV	94
51) TETRACHLOROETHYLENE	14.039	164	1315752	93.85	PPBV	90
52) DIBROMOCHLOROMETHANE	13.324	129	2175635	66.52	PPBV	99
53) 1,2-DIBROMOETHANE	13.576	107	1417194	49.85	PPBV	97
54) CHLOROBENZENE	14.744	112	1625383	46.65	PPBV	99
55) ETHYLBENZENE	15.129	91	2935380	47.99	PPBV	96
56) m,p-XYLENE	15.333	106	2488248m	110.64	PPBV	
57) o-XYLENE	15.834	106	1284521	55.25	PPBV	91
58) STYRENE	15.713	104	1518546	52.18	PPBV	96
59) NONANE	16.039	43	1708218	27.64	PPBV	91
60) BROMOFORM	15.427	173	3088395	120.12	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.823	83	2152516	52.21	PPBV	97
63) ISOPROPYLBENZENE	16.483	105	3527536	52.27	PPBV	96
64) 2-CHLOROTOLUENE	17.037	91	2553635	48.48	PPBV	94
65) 4-ETHYLTOLUENE	17.227	105	3537030	59.58	PPBV	94
66) 1,3,5-TRIMETHYLBENZENE	17.314	105	3506042	60.95	PPBV	94
67) 1,2,4-TRIMETHYLBENZENE	17.780	105	3325742	61.04	PPBV	93
68) m-DICHLOROBENZENE	17.961	146	2144327	67.28	PPBV	97
69) BENZYL CHLORIDE	17.938	91	2025616	54.63	PPBV	95
70) p-DICHLOROBENZENE	18.036	146	1859914	63.33	PPBV	98
71) o-DICHLOROBENZENE	18.423	146	1946675	68.21	PPBV	100
72) HEXACHLOROBUTADIENE	20.812	225	618217	52.60	PPBV	98
73) 1,2,4-TRICHLOROBENZENE	20.322	180	181305	30.38	PPBV	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3474.D
Acq On : 21 May 2007 5:28 pm
Operator : PhilipB
Sample : IC189-40 (M060)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 3 Sample Multiplier: 1

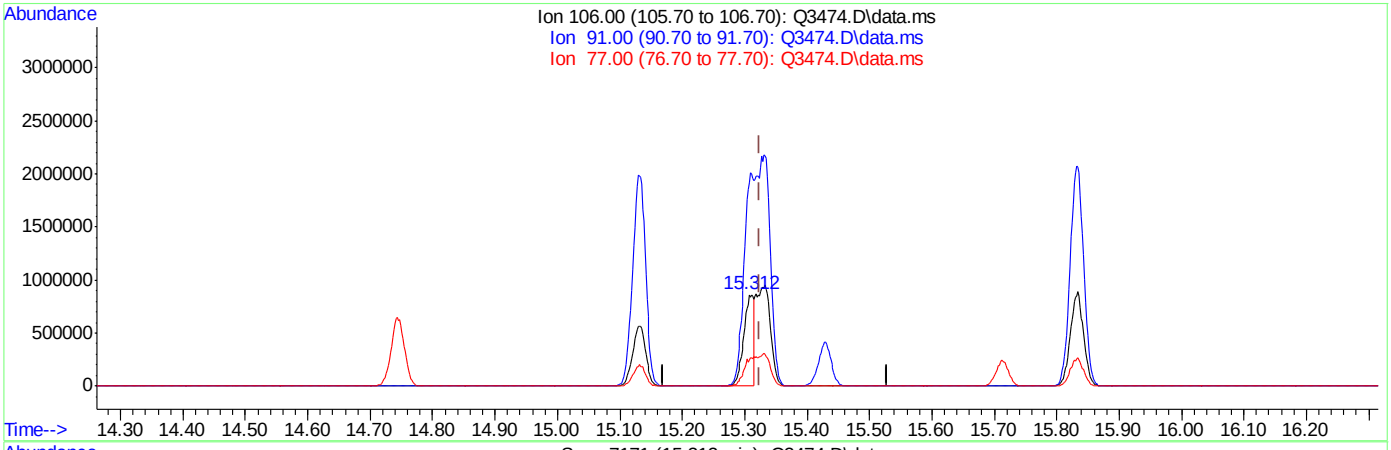
Quant Time: May 22 09:19:01 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:18:43 2007
Response via : Initial Calibration

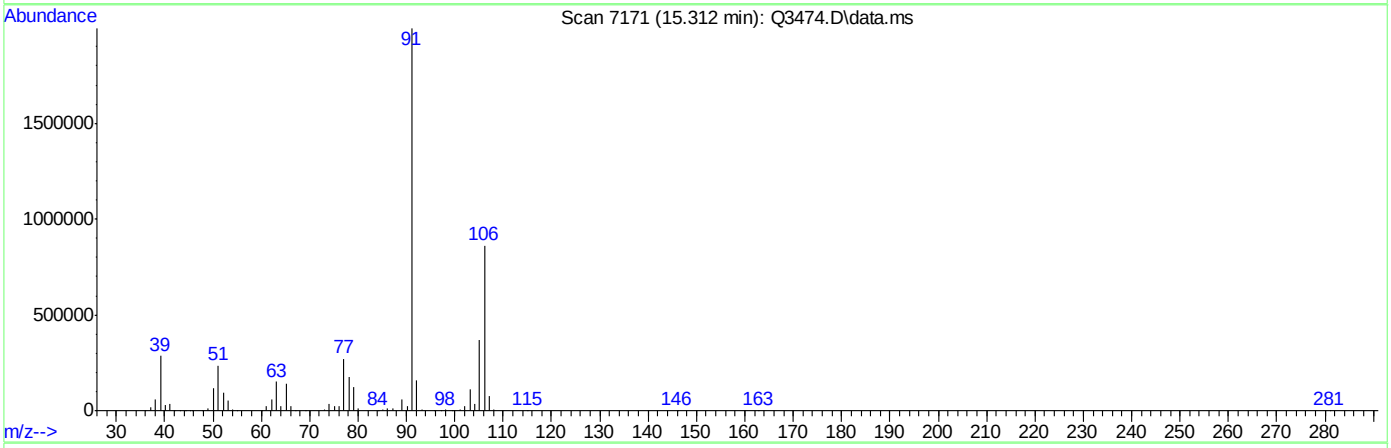


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3474.D
Acq On : 21 May 2007 5:28 pm
Operator : PhilipB
Sample : IC189-40 (M060)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 22 09:18:49 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:18:43 2007
Response via : Initial Calibration





TIC: Q3474.D\data.ms

(56) m,p-XYLENE (m)

15.312min (-0.013) 43.61PPBV

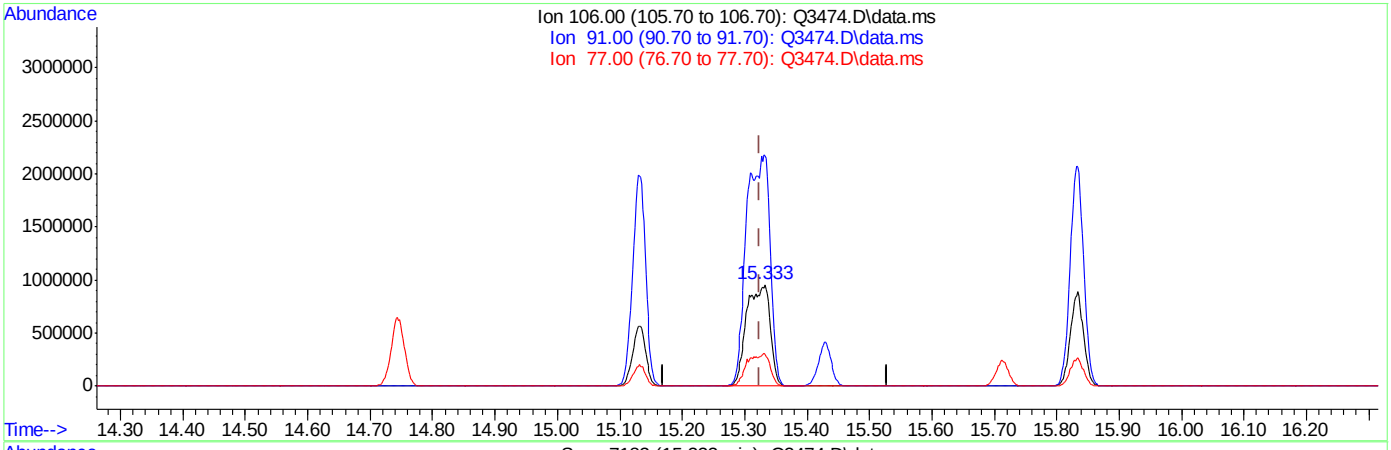
response 980741

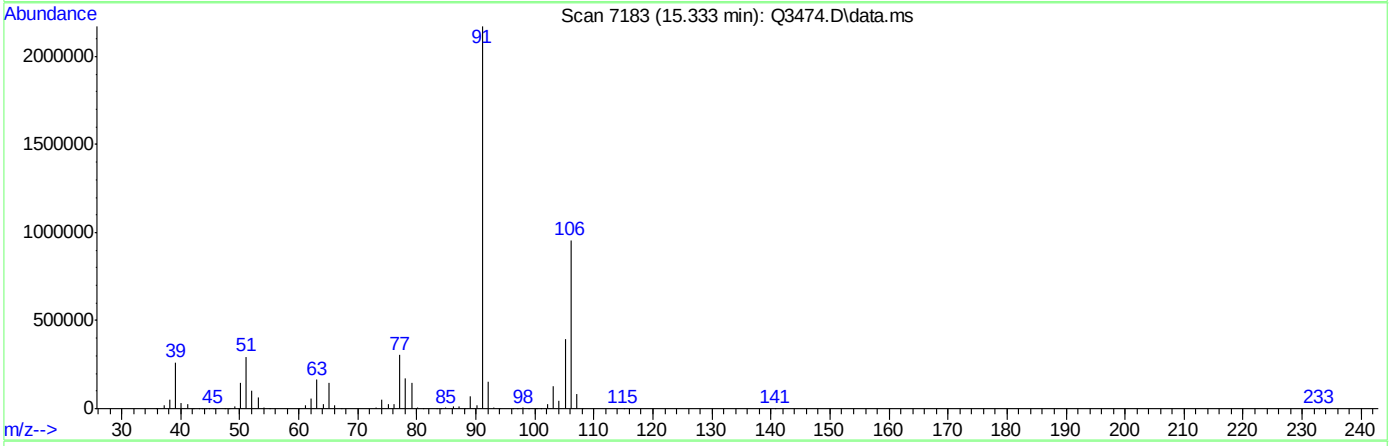
Ion	Exp%	Act%
106.00	100	100
91.00	204.20	231.51
77.00	30.60	31.54
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3474.D
Acq On : 21 May 2007 5:28 pm
Operator : PhilipB
Sample : IC189-40 (M060)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 22 09:18:49 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:18:43 2007
Response via : Initial Calibration





TIC: Q3474.D\data.ms

(56) m,p-XYLENE (m)

15.333min (+0.009) 110.64PPBV m

response 2488248

Ion	Exp%	Act%
106.00	100	100
91.00	204.20	227.27
77.00	30.60	31.75
0.00	0.00	0.00

ACCUTEST Laboratories M64940

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3475.D
Acq On : 21 May 2007 6:09 pm
Operator : PhilipB
Sample : IC189-20 (M060)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 22 09:19:26 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:19:22 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.431	128	79073	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.350	114	373198	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.696	117	314580	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.334	95	126115	5.07	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 101.40%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	3.604	85	1559397	36.99	PPBV	82
3) PROPYLENE	3.529	41	258374	67.31	PPBV	94
4) FREON 114	3.866	85	1442257	41.01	PPBV #	100
5) CHLOROMETHANE	3.767	50	327897	62.79	PPBV	96
6) VINYL CHLORIDE	3.991	62	337616	58.21	PPBV	75
7) 1,3-BUTADIENE	4.129	39	361004	29.69	PPBV #	100
8) BROMOMETHANE	4.408	94	388085	29.61	PPBV #	100
9) CHLOROETHANE	4.582	64	140801	28.98	PPBV #	100
10) TRICHLOROFLUOROMETHANE	5.400	101	2347346	25.64	PPBV #	100
11) ISOPROPYL ALCOHOL	5.451	45	651720	24.15	PPBV	93
12) ACETONE	5.198	43	729597	23.21	PPBV	81
13) PENTANE	5.774	42	376333	24.01	PPBV #	100
14) 1,1-DICHLOROETHYLENE	6.078	96	496247	24.64	PPBV #	23
15) CARBON DISULFIDE	6.532	76	1177531	23.43	PPBV #	51
16) ETHANOL	4.683	45	112171	30.18	PPBV #	100
17) BROMOETHENE	4.953	106	409353	23.18	PPBV #	100
18) METHYLENE CHLORIDE	6.204	84	406963	24.72	PPBV #	1
19) 3-CHLOROPROPENE	6.328	39	586065	23.48	PPBV #	1
20) FREON 113	6.477	151	1598642	22.87	PPBV #	100
21) TRANS-1,2-DICHLOROETHY...	7.191	96	493448	22.65	PPBV #	100
22) TERTIARY BUTYL ALCOHOL	6.097	59	910285	27.86	PPBV #	100
23) METHYL TERTIARY BUTYL ...	7.451	73	1142149	22.05	PPBV #	100
24) TETRAHYDROFURAN	8.960	42	275430	21.12	PPBV #	100
25) HEXANE	8.465	57	313897	20.54	PPBV #	100
26) VINYL ACETATE	7.542	43	1069665	20.92	PPBV	89
27) 1,1-DICHLOROETHANE	7.400	63	845256	22.81	PPBV #	100
28) METHYL ETHYL KETONE	7.798	43	571821	18.74	PPBV	96
29) cis-1,2-DICHLOROETHYLENE	8.254	96	257945	19.80	PPBV #	100
30) ETHYL ACETATE	8.468	43	942228	20.11	PPBV	100
31) CHLOROFORM	8.557	83	728051	19.32	PPBV #	100
32) 1,1,1-TRICHLOROETHANE	9.556	97	849362	19.06	PPBV	95
33) CARBON TETRACHLORIDE	10.165	117	1031273	19.13	PPBV	99
34) 1,2-DICHLOROETHANE	9.303	62	489626	18.51	PPBV	99
36) BENZENE	10.018	78	709427	17.05	PPBV	98
37) CYCLOHEXANE	10.288	84	247559	19.17	PPBV #	84
38) TRICHLOROETHYLENE	11.054	95	438116	17.82	PPBV	92
39) 1,2-DICHLOROPROPANE	10.824	63	244313	18.80	PPBV #	76
40) BROMODICHLOROMETHANE	11.015	83	784707	17.68	PPBV	98
41) 2,2,4-TRIMETHYLPENTANE	11.079	57	1130562	17.87	PPBV #	92
42) 1,4-DIOXANE	11.042	88	136874	18.12	PPBV	88
43) HEPTANE	11.329	43	446259	18.52	PPBV	87

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3475.D
Acq On : 21 May 2007 6:09 pm
Operator : PhilipB
Sample : IC189-20 (M060)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 22 09:19:26 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:19:22 2007
Response via : Initial Calibration

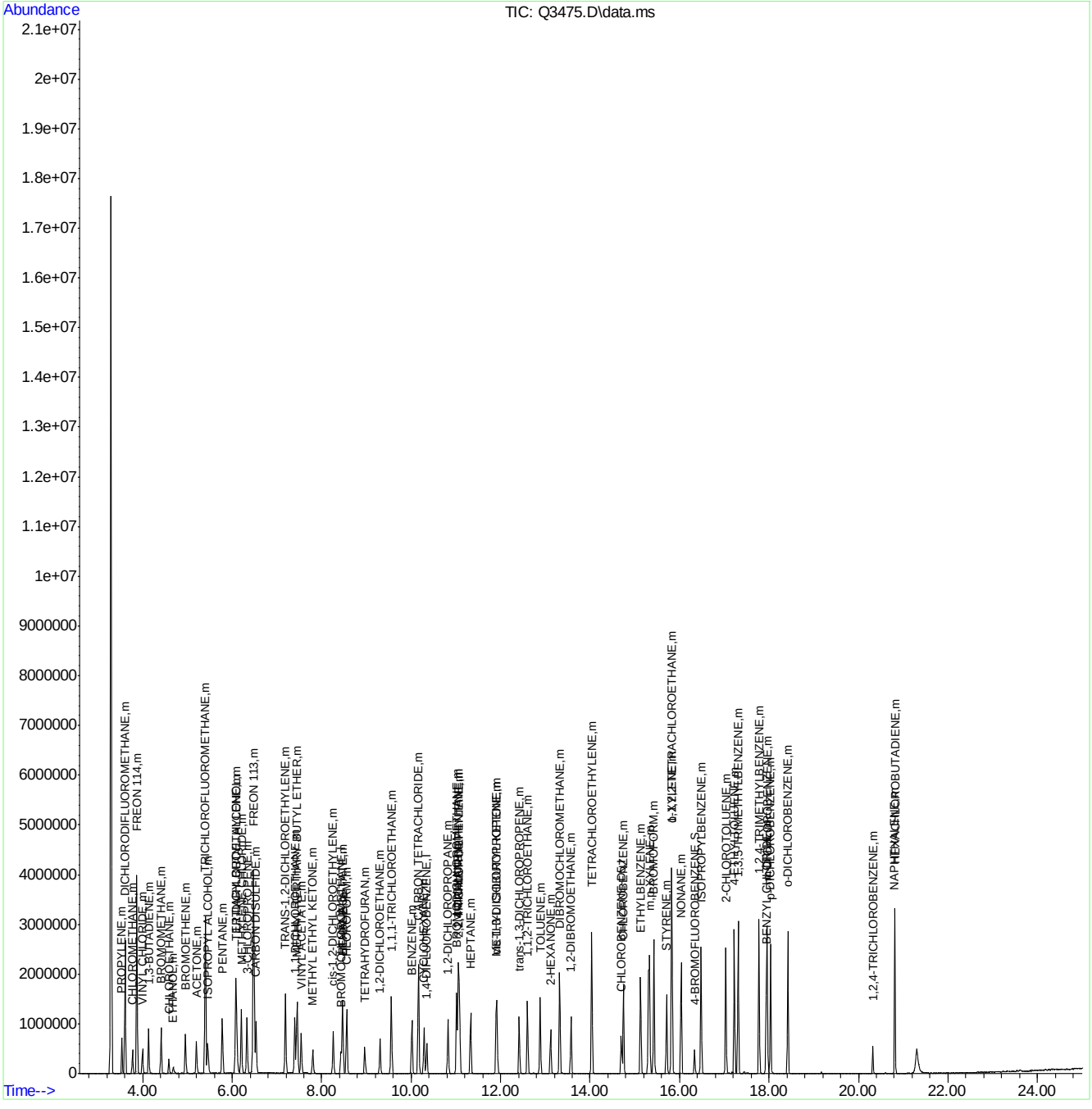
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.919	43	711054	18.47 PPBV	94
45) cis-1,3-DICHLOROPROPENE	11.897	75	414510	17.09 PPBV #	85
46) TOLUENE	12.886	92	513007	15.62 PPBV	98
47) trans-1,3-DICHLOROPROPENE	12.412	75	423786	15.98 PPBV #	100
48) 1,1,2-TRICHLOROETHANE	12.600	83	300320	18.58 PPBV	93
50) 2-HEXANONE	13.117	43	592008	19.63 PPBV	94
51) TETRACHLOROETHYLENE	14.038	164	438134	13.93 PPBV	98
52) DIBROMOCHLOROMETHANE	13.321	129	857681	16.49 PPBV	99
53) 1,2-DIBROMOETHANE	13.573	107	589246	17.40 PPBV	97
54) CHLOROBENZENE	14.742	112	745379	19.19 PPBV	99
55) ETHYLBENZENE	15.131	91	1247122	17.78 PPBV	96
56) m,p-XYLENE	15.326	106	962628	32.37 PPBV	95
57) o-XYLENE	15.830	106	497476	16.20 PPBV	92
58) STYRENE	15.713	104	638810	17.60 PPBV	97
59) NONANE	16.034	43	792542	19.41 PPBV	92
60) BROMOFORM	15.424	173	1007947	13.66 PPBV	98
62) 1,1,2,2-TETRACHLOROETHANE	15.821	83	839883	16.33 PPBV	97
63) ISOPROPYLBENZENE	16.482	105	1430951	16.97 PPBV	96
64) 2-CHLOROTOLUENE	17.033	91	1106244	18.13 PPBV	94
65) 4-ETHYLTOLUENE	17.223	105	1412515	16.71 PPBV	95
66) 1,3,5-TRIMETHYLBENZENE	17.309	105	1365266	16.29 PPBV	94
67) 1,2,4-TRIMETHYLBENZENE	17.775	105	1294677	16.29 PPBV	94
68) m-DICHLOROBENZENE	17.958	146	801845	15.65 PPBV	97
69) BENZYL CHLORIDE	17.935	91	825491	17.05 PPBV	95
70) p-DICHLOROBENZENE	18.033	146	699538	15.74 PPBV	99
71) o-DICHLOROBENZENE	18.420	146	751956	16.16 PPBV	98
72) HEXACHLOROBUTADIENE	20.814	225	341350	23.10 PPBV	97
73) 1,2,4-TRICHLOROBENZENE	20.320	180	86631	19.99 PPBV	97
74) NAPHTHALENE	20.800	128	159	120.96 PPBV #	1

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3475.D
Acq On : 21 May 2007 6:09 pm
Operator : PhilipB
Sample : IC189-20 (M060)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 3 Sample Multiplier: 1

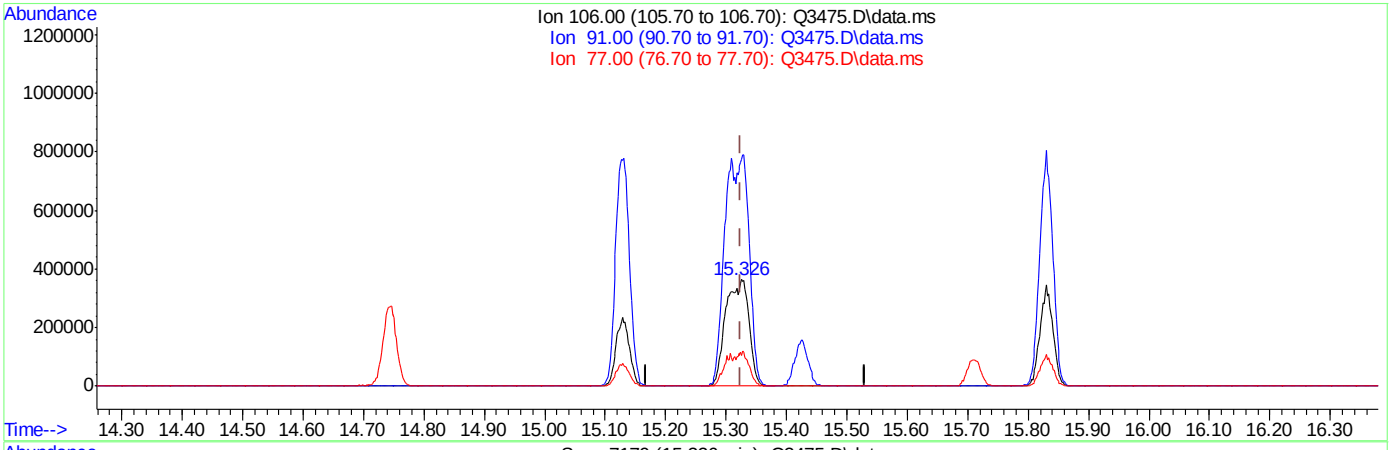
Quant Time: May 22 09:19:26 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:19:22 2007
Response via : Initial Calibration

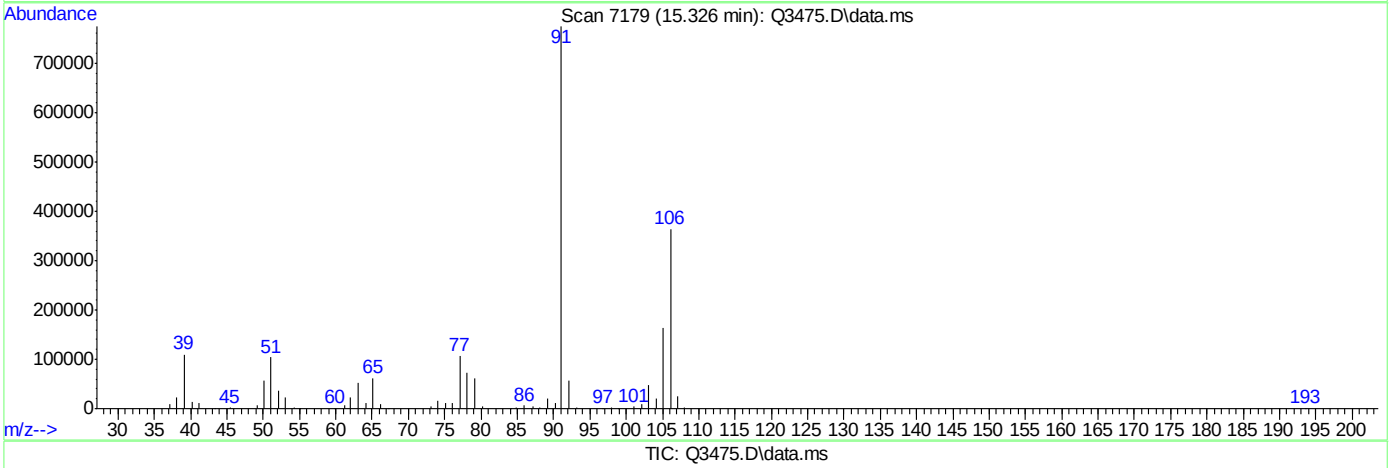


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3475.D
Acq On : 21 May 2007 6:09 pm
Operator : PhilipB
Sample : IC189-20 (M060)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 22 09:19:26 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:19:22 2007
Response via : Initial Calibration





TIC: Q3475.D\data.ms

(56) m,p-XYLENE (m)

15.326min (+0.002) 32.37PPBV

response 962628

Ion	Exp%	Act%
106.00	100	100
91.00	204.20	212.69
77.00	30.60	29.11
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3476.D
Acq On : 21 May 2007 6:52 pm
Operator : PhilipB
Sample : ICC189-10 (M060)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 22 09:20:19 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:19:48 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.429	128	78900	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.348	114	358303	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.696	117	293813	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.334	95	121552	5.19	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 103.80%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	3.604	85	721438	12.04	PPBV	81
3) PROPYLENE	3.533	41	99375	11.89	PPBV	92
4) FREON 114	3.866	85	629762	11.77	PPBV #	100
5) CHLOROMETHANE	3.772	50	145411	13.48	PPBV	97
6) VINYL CHLORIDE	3.992	62	148255	13.10	PPBV	74
7) 1,3-BUTADIENE	4.133	39	161652	10.73	PPBV #	100
8) BROMOMETHANE	4.409	94	164440	10.14	PPBV #	100
9) CHLOROETHANE	4.582	64	60940	10.27	PPBV #	100
10) TRICHLOROFLUOROMETHANE	5.400	101	894899	8.59	PPBV #	100
11) ISOPROPYL ALCOHOL	5.451	45	290379	9.77	PPBV	90
12) ACETONE	5.197	43	331152	9.77	PPBV	82
13) PENTANE	5.781	42	153804	8.94	PPBV #	100
14) 1,1-DICHLOROETHYLENE	6.076	96	199409	8.89	PPBV #	19
15) CARBON DISULFIDE	6.532	76	531375	9.76	PPBV #	50
16) ETHANOL	4.681	45	41309	8.88	PPBV #	100
17) BROMOETHENE	4.952	106	173903	9.14	PPBV #	100
18) METHYLENE CHLORIDE	6.202	84	180867	9.85	PPBV #	1
19) 3-CHLOROPROPENE	6.326	39	256567	9.48	PPBV #	6
20) FREON 113	6.475	151	677252	9.06	PPBV #	100
21) TRANS-1,2-DICHLOROETHY...	7.185	96	233666	10.08	PPBV #	100
22) TERTIARY BUTYL ALCOHOL	6.092	59	374431	9.60	PPBV #	100
23) METHYL TERTIARY BUTYL ...	7.451	73	534445	9.84	PPBV #	100
24) TETRAHYDROFURAN	8.958	42	118484	8.86	PPBV #	100
25) HEXANE	8.459	57	136909	8.86	PPBV #	100
26) VINYL ACETATE	7.540	43	491010	9.41	PPBV	89
27) 1,1-DICHLOROETHANE	7.400	63	386735	9.77	PPBV #	100
28) METHYL ETHYL KETONE	7.797	43	261807	8.88	PPBV	98
29) cis-1,2-DICHLOROETHYLENE	8.257	96	113182	8.75	PPBV #	100
30) ETHYL ACETATE	8.467	43	411667	8.78	PPBV	100
31) CHLOROFORM	8.555	83	324558	8.78	PPBV #	100
32) 1,1,1-TRICHLOROETHANE	9.554	97	361416	8.32	PPBV	95
33) CARBON TETRACHLORIDE	10.163	117	463699	8.81	PPBV	97
34) 1,2-DICHLOROETHANE	9.301	62	225316	8.87	PPBV	97
36) BENZENE	10.012	78	292630	7.91	PPBV	99
37) CYCLOHEXANE	10.289	84	113567	9.35	PPBV	85
38) TRICHLOROETHYLENE	11.051	95	181382	8.13	PPBV	91
39) 1,2-DICHLOROPROPANE	10.823	63	108393	8.96	PPBV #	78
40) BROMODICHLOROMETHANE	11.012	83	339259	8.45	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.079	57	469659	8.17	PPBV	94
42) 1,4-DIOXANE	11.045	88	54665	7.91	PPBV #	71
43) HEPTANE	11.326	43	198075	8.89	PPBV	87

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3476.D
Acq On : 21 May 2007 6:52 pm
Operator : PhilipB
Sample : ICC189-10 (M060)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 22 09:20:19 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:19:48 2007
Response via : Initial Calibration

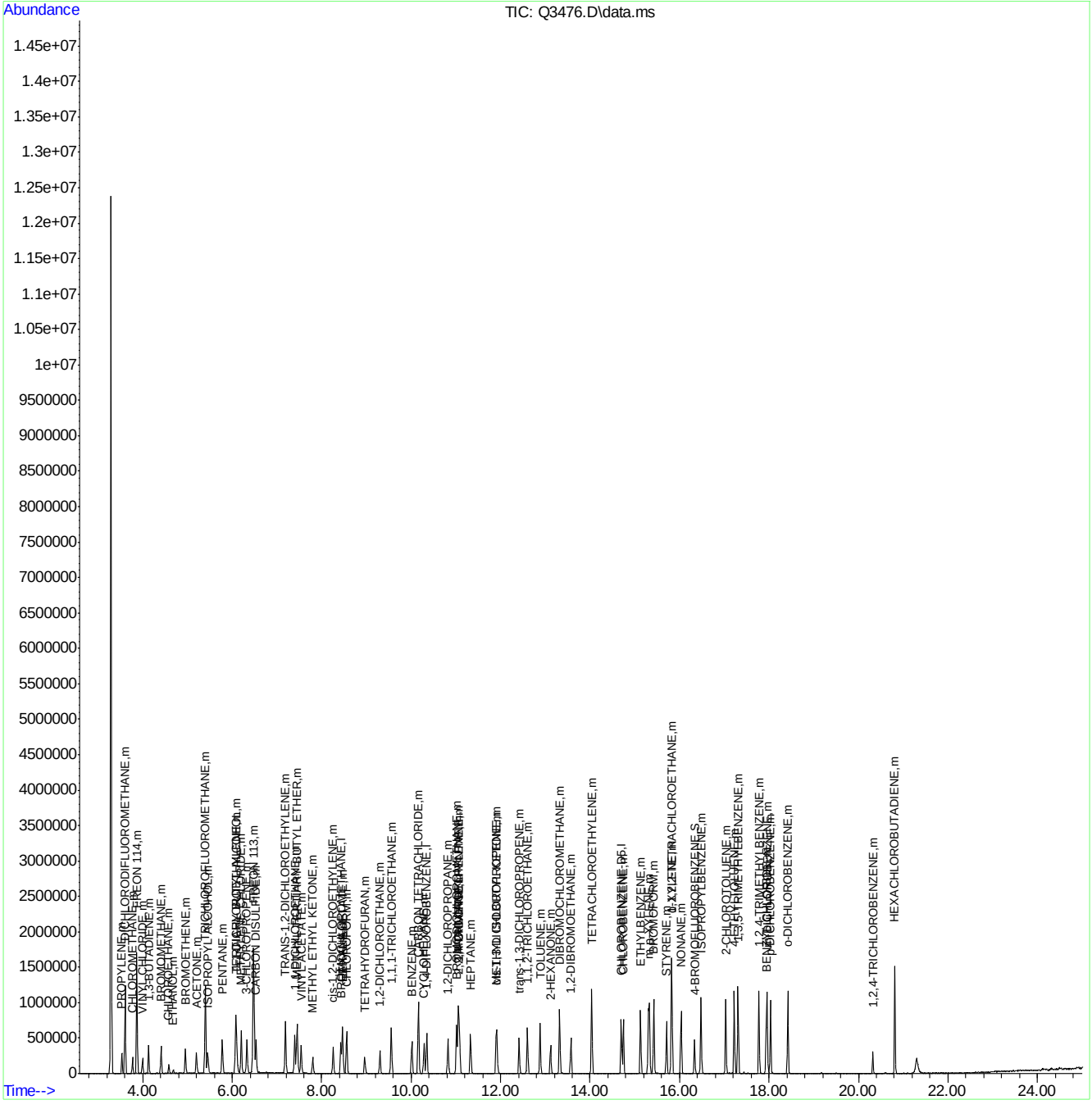
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.917	43	294596	8.29	PPBV	93
45) cis-1,3-DICHLOROPROPENE	11.897	75	168271	7.79	PPBV #	81
46) TOLUENE	12.882	92	222443	7.92	PPBV	98
47) trans-1,3-DICHLOROPROPENE	12.415	75	174032	7.60	PPBV #	99
48) 1,1,2-TRICHLOROETHANE	12.602	83	129318	8.64	PPBV	92
50) 2-HEXANONE	13.115	43	249732	8.95	PPBV	93
51) TETRACHLOROETHYLENE	14.036	164	168271	6.75	PPBV	98
52) DIBROMOCHLOROMETHANE	13.317	129	369635	8.34	PPBV	99
53) 1,2-DIBROMOETHANE	13.573	107	246938	8.35	PPBV	96
54) CHLOROBENZENE	14.742	112	295273	8.31	PPBV	99
55) ETHYLBENZENE	15.125	91	534302	8.63	PPBV	96
56) m,p-XYLENE	15.326	106	403255	16.05	PPBV	88
57) o-XYLENE	15.830	106	196577	7.57	PPBV	89
58) STYRENE	15.708	104	270170	8.48	PPBV	98
59) NONANE	16.032	43	318479	8.48	PPBV	90
60) BROMOFORM	15.424	173	387084	6.67	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.814	83	351981	8.07	PPBV	97
63) ISOPROPYLBENZENE	16.478	105	599244	8.23	PPBV	97
64) 2-CHLOROTOLUENE	17.032	91	440419	8.11	PPBV	93
65) 4-ETHYLTOLUENE	17.223	105	569587	7.86	PPBV	95
66) 1,3,5-TRIMETHYLBENZENE	17.308	105	568927	8.01	PPBV	93
67) 1,2,4-TRIMETHYLBENZENE	17.773	105	494695	7.35	PPBV	93
68) m-DICHLOROBENZENE	17.956	146	307003	7.20	PPBV	96
69) BENZYL CHLORIDE	17.937	91	333160	7.95	PPBV	94
70) p-DICHLOROBENZENE	18.029	146	281636	7.59	PPBV	97
71) o-DICHLOROBENZENE	18.419	146	294740	7.50	PPBV	97
72) HEXACHLOROBUTADIENE	20.810	225	155576	10.46	PPBV	97
73) 1,2,4-TRICHLOROBENZENE	20.324	180	50143	12.39	PPBV	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3476.D
Acq On : 21 May 2007 6:52 pm
Operator : PhilipB
Sample : ICC189-10 (M060)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 22 09:20:19 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:19:48 2007
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
05/23/07 16:02

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3477.D
Acq On : 21 May 2007 7:34 pm
Operator : PhilipB
Sample : IC189-5 (M060)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 22 09:20:55 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:20:32 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.428	128	71655	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.346	114	344891	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.693	117	288502	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.332	95	114436	4.92	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 98.40%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	3.604	85	245293	4.22	PPBV	81
3) PROPYLENE	3.536	41	36629	4.54	PPBV	89
4) FREON 114	3.868	85	217095	4.22	PPBV #	100
5) CHLOROMETHANE	3.772	50	50162	4.59	PPBV	96
6) VINYL CHLORIDE	3.991	62	53620	4.73	PPBV	73
7) 1,3-BUTADIENE	4.129	39	62303	4.44	PPBV #	100
8) BROMOMETHANE	4.406	94	60570	4.09	PPBV #	100
9) CHLOROETHANE	4.583	64	24781	4.56	PPBV #	100
10) TRICHLOROFLUOROMETHANE	5.400	101	337651	3.74	PPBV #	100
11) ISOPROPYL ALCOHOL	5.453	45	107240	4.00	PPBV	92
12) ACETONE	5.199	43	122916	4.03	PPBV	81
13) PENTANE	5.780	42	62746	4.16	PPBV #	100
14) 1,1-DICHLOROETHYLENE	6.078	96	79268	4.04	PPBV #	14
15) CARBON DISULFIDE	6.534	76	211918	4.32	PPBV #	44
16) ETHANOL	4.679	45	17451	4.29	PPBV #	100
17) BROMOETHENE	4.960	106	64711	3.86	PPBV #	100
18) METHYLENE CHLORIDE	6.199	84	73619	4.44	PPBV #	1
19) 3-CHLOROPROPENE	6.332	39	105270	4.36	PPBV #	6
20) FREON 113	6.474	151	255965	3.89	PPBV #	100
21) TRANS-1,2-DICHLOROETHY...	7.187	96	89475	4.24	PPBV #	100
22) TERTIARY BUTYL ALCOHOL	6.097	59	161340	4.62	PPBV #	100
23) METHYL TERTIARY BUTYL ...	7.452	73	190679	3.89	PPBV #	100
24) TETRAHYDROFURAN	8.962	42	49525	4.24	PPBV #	100
25) HEXANE	8.467	57	53908	3.99	PPBV #	100
26) VINYL ACETATE	7.542	43	121855	2.62	PPBV	84
27) 1,1-DICHLOROETHANE	7.400	63	158780	4.45	PPBV #	100
28) METHYL ETHYL KETONE	7.799	43	104548	4.06	PPBV	93
29) cis-1,2-DICHLOROETHYLENE	8.257	96	42998	3.82	PPBV #	100
30) ETHYL ACETATE	8.468	43	174232	4.27	PPBV	100
31) CHLOROFORM	8.555	83	138848	4.31	PPBV #	100
32) 1,1,1-TRICHLOROETHANE	9.555	97	159262	4.28	PPBV	95
33) CARBON TETRACHLORIDE	10.162	117	185359	4.04	PPBV	94
34) 1,2-DICHLOROETHANE	9.299	62	101731	4.58	PPBV	97
36) BENZENE	10.020	78	121788	3.68	PPBV	97
37) CYCLOHEXANE	10.288	84	42095	3.68	PPBV #	80
38) TRICHLOROETHYLENE	11.056	95	73442	3.65	PPBV #	85
39) 1,2-DICHLOROPROPANE	10.818	63	45081	4.01	PPBV #	79
40) BROMODICHLOROMETHANE	11.013	83	147182	4.02	PPBV	100
41) 2,2,4-TRIMETHYLPENTANE	11.077	57	195472	3.76	PPBV	93
42) 1,4-DIOXANE	11.042	88	22945	3.71	PPBV	90
43) HEPTANE	11.328	43	79535	3.85	PPBV	88

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3477.D
Acq On : 21 May 2007 7:34 pm
Operator : PhilipB
Sample : IC189-5 (M060)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 22 09:20:55 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:20:32 2007
Response via : Initial Calibration

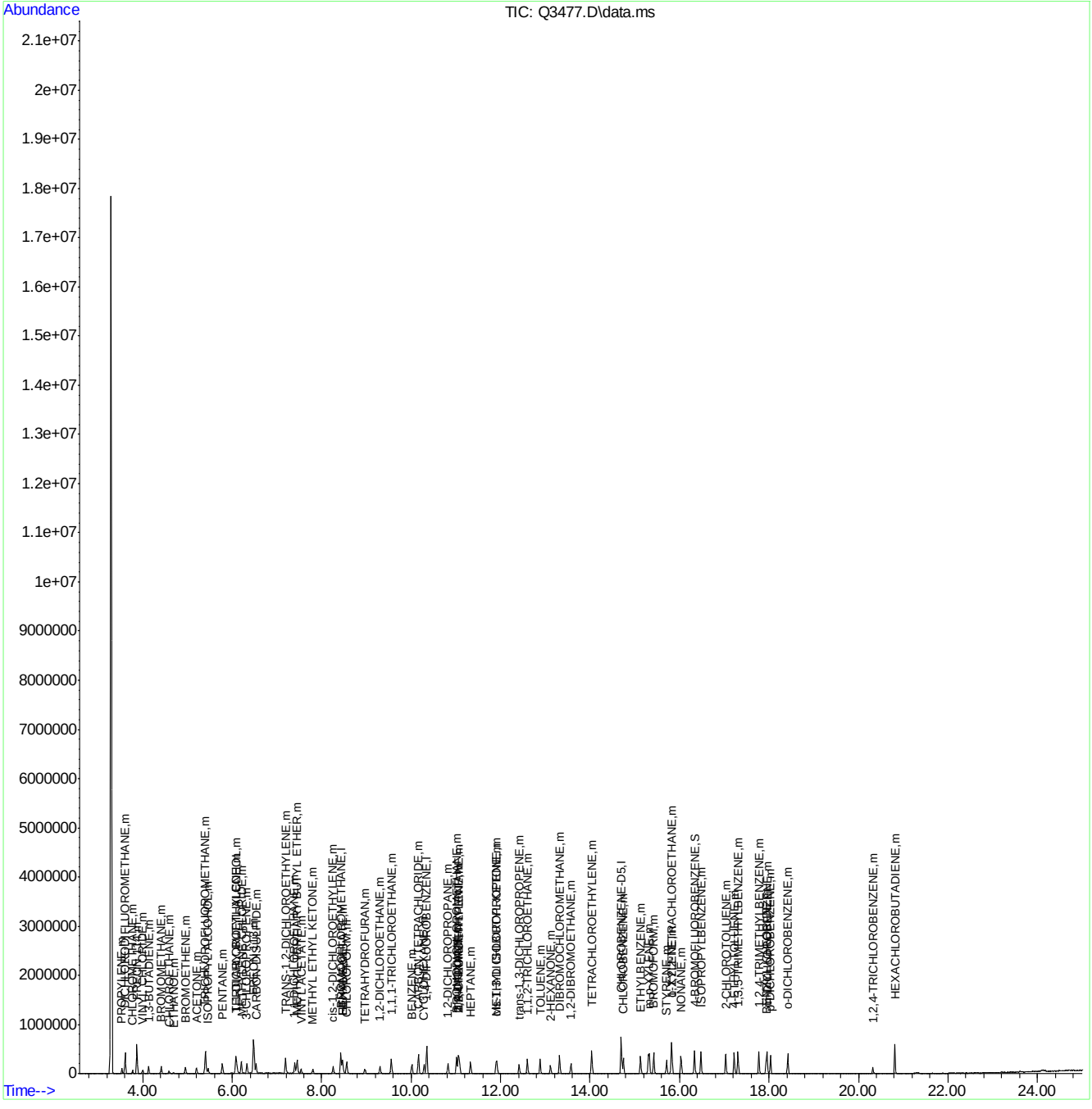
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.920	43	127366	3.95	PPBV	88
45) cis-1,3-DICHLOROPROPENE	11.897	75	69377	3.60	PPBV #	80
46) TOLUENE	12.882	92	88562	3.52	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.412	75	70536	3.48	PPBV #	97
48) 1,1,2-TRICHLOROETHANE	12.598	83	57410	4.17	PPBV	91
50) 2-HEXANONE	13.115	43	99775	3.77	PPBV	91
51) TETRACHLOROETHYLENE	14.034	164	64035	2.94	PPBV	97
52) DIBROMOCHLOROMETHANE	13.319	129	144811	3.52	PPBV	99
53) 1,2-DIBROMOETHANE	13.569	107	95567	3.48	PPBV	98
54) CHLOROBENZENE	14.740	112	125282	3.80	PPBV	96
55) ETHYLBENZENE	15.127	91	208103	3.59	PPBV	96
56) m,p-XYLENE	15.316	106	159238m	6.91	PPBV	
57) o-XYLENE	15.830	106	72845	3.11	PPBV #	85
58) STYRENE	15.710	104	98228	3.31	PPBV	95
59) NONANE	16.034	43	128276	3.66	PPBV	87
60) BROMOFORM	15.418	173	145025	2.86	PPBV	98
62) 1,1,2,2-TETRACHLOROETHANE	15.818	83	134474	3.35	PPBV	97
63) ISOPROPYLBENZENE	16.482	105	234946	3.49	PPBV	96
64) 2-CHLOROTOLUENE	17.030	91	170971	3.42	PPBV	90
65) 4-ETHYLTOLUENE	17.225	105	217480	3.29	PPBV	92
66) 1,3,5-TRIMETHYLBENZENE	17.307	105	199770	3.07	PPBV	93
67) 1,2,4-TRIMETHYLBENZENE	17.772	105	186155	3.09	PPBV	93
68) m-DICHLOROBENZENE	17.956	146	117436	3.09	PPBV	96
69) BENZYL CHLORIDE	17.935	91	126976	3.31	PPBV	95
70) p-DICHLOROBENZENE	18.029	146	100716	3.01	PPBV	94
71) o-DICHLOROBENZENE	18.418	146	110417	3.12	PPBV	97
72) HEXACHLOROBUTADIENE	20.812	225	58598	3.95	PPBV	98
73) 1,2,4-TRICHLOROBENZENE	20.326	180	23068	5.38	PPBV	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3477.D
Acq On : 21 May 2007 7:34 pm
Operator : PhilipB
Sample : IC189-5 (M060)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 22 09:20:55 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:20:32 2007
Response via : Initial Calibration

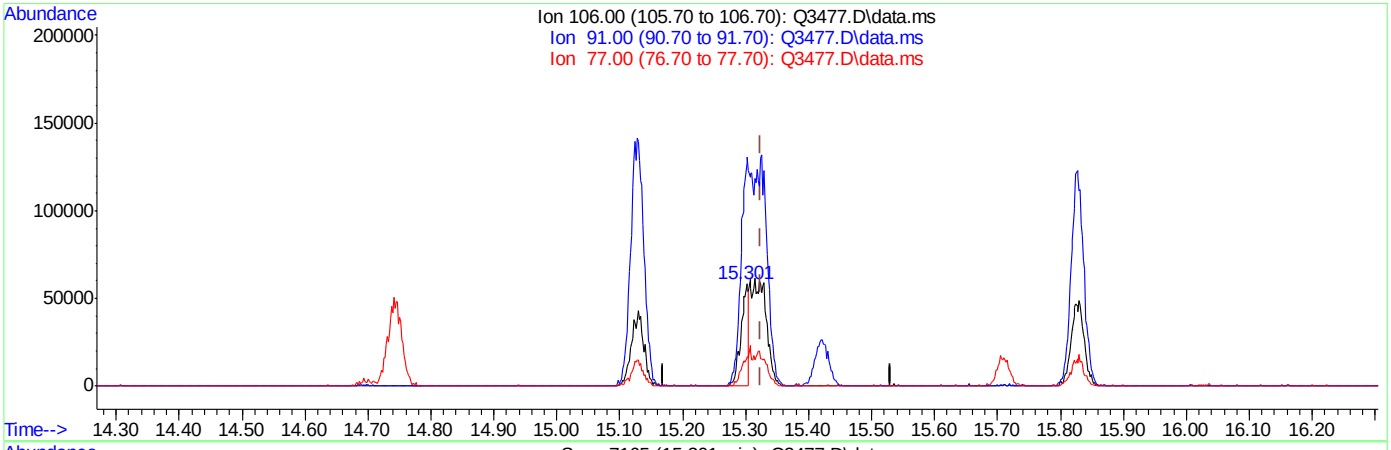


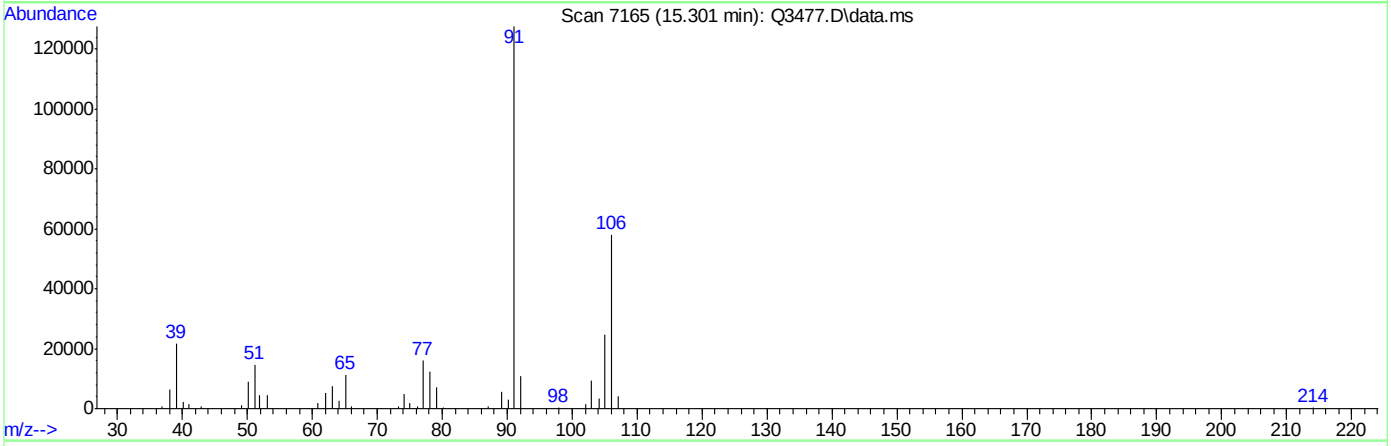
Q051507T.m Tue May 22 09:21:05 2007 RPT1 Page: 3

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3477.D
Acq On : 21 May 2007 7:34 pm
Operator : PhilipB
Sample : IC189-5 (M060)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 22 09:20:39 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:20:32 2007
Response via : Initial Calibration





TIC: Q3477.D\data.ms

(56) m,p-XYLENE (m)

15.301min (-0.023) 2.24PPBV

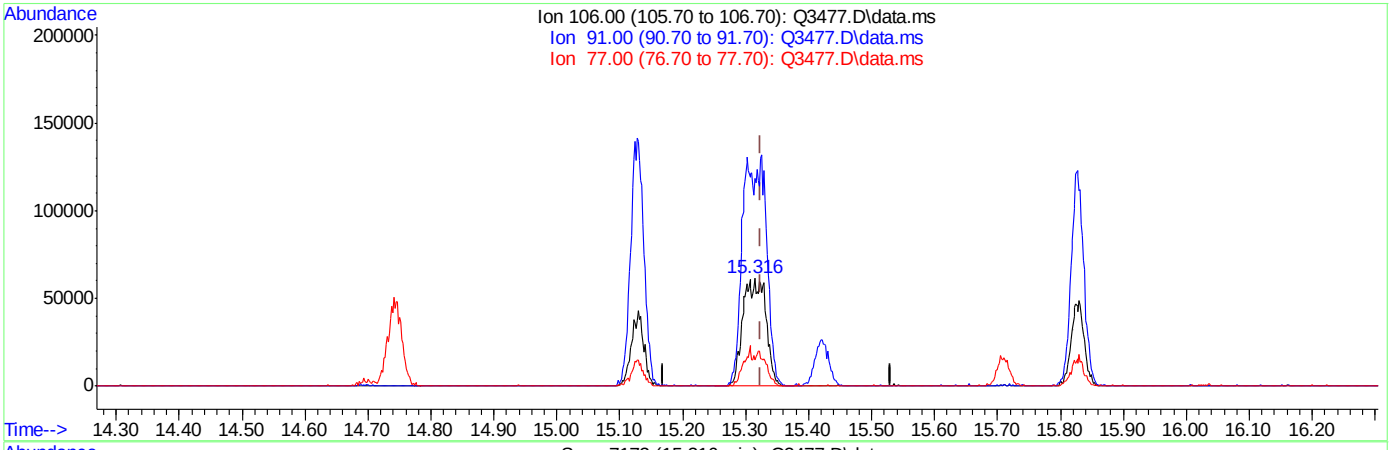
response 51531

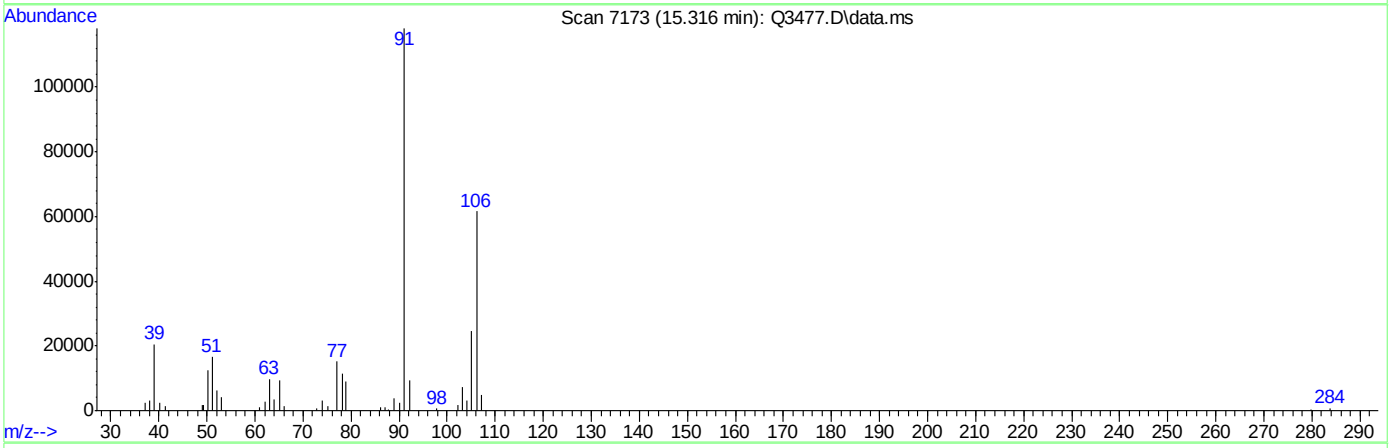
Ion	Exp%	Act%
106.00	100	100
91.00	204.20	219.57
77.00	30.60	27.71
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3477.D
Acq On : 21 May 2007 7:34 pm
Operator : PhilipB
Sample : IC189-5 (M060)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 22 09:20:39 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:20:32 2007
Response via : Initial Calibration





TIC: Q3477.D\data.ms

(56) m,p-XYLENE (m)

15.316min (-0.009) 6.91PPBV m

response 159238

Ion	Exp%	Act%
106.00	100	100
91.00	204.20	191.73
77.00	30.60	24.73
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
05/23/07 16:02

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3478.D
Acq On : 21 May 2007 8:17 pm
Operator : PhilipB
Sample : IC189-2 (M060)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 22 09:21:43 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:21:08 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.433	128	65307	10.00	PPBV	0.01
35) 1,4-DIFLUOROBENZENE	10.348	114	269535	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.698	117	228997	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.336	95	95533	5.19	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery	=	103.80%	
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	3.602	85	103732	2.04	PPBV	81
3) PROPYLENE	3.534	41	16558	2.30	PPBV	89
4) FREON 114	3.870	85	91122	2.02	PPBV #	100
5) CHLOROMETHANE	3.769	50	23545	2.41	PPBV	83
6) VINYL CHLORIDE	3.992	62	22817	2.24	PPBV #	70
7) 1,3-BUTADIENE	4.131	39	24369	1.96	PPBV #	100
8) BROMOMETHANE	4.411	94	28080	2.18	PPBV #	100
9) CHLOROETHANE	4.587	64	10486	2.16	PPBV #	100
10) TRICHLOROFLUOROMETHANE	5.403	101	157868	2.05	PPBV #	100
11) ISOPROPYL ALCOHOL	5.458	45	47553	2.05	PPBV	82
12) ACETONE	5.204	43	54500	2.06	PPBV	81
13) PENTANE	5.776	42	27007	2.05	PPBV #	100
14) 1,1-DICHLOROETHYLENE	6.076	96	29968	1.76	PPBV #	18
15) CARBON DISULFIDE	6.539	76	74659	1.73	PPBV	71
16) ETHANOL	4.692	45	7891m	2.21	PPBV	
17) BROMOETHENE	4.952	106	27815	1.93	PPBV #	100
18) METHYLENE CHLORIDE	6.197	84	29862	2.03	PPBV #	1
19) 3-CHLOROPROPENE	6.328	39	40762	1.91	PPBV #	12
20) FREON 113	6.475	151	84810	1.50	PPBV #	100
21) TRANS-1,2-DICHLOROETHY...	7.190	96	23930	1.29	PPBV #	100
22) TERTIARY BUTYL ALCOHOL	6.104	59	53293	1.71	PPBV #	100
23) METHYL TERTIARY BUTYL ...	7.455	73	56460	1.34	PPBV #	100
24) TETRAHYDROFURAN	8.963	42	17767	1.73	PPBV #	100
25) HEXANE	8.465	57	24360	2.08	PPBV #	100
26) VINYL ACETATE	7.544	43	47661	1.28	PPBV	84
27) 1,1-DICHLOROETHANE	7.400	63	46218	1.46	PPBV #	100
28) METHYL ETHYL KETONE	7.803	43	49616	2.22	PPBV	81
29) cis-1,2-DICHLOROETHYLENE	8.259	96	17818	1.85	PPBV #	100
30) ETHYL ACETATE	8.465	43	72867	2.03	PPBV #	100
31) CHLOROFORM	8.552	83	55102	1.94	PPBV #	100
32) 1,1,1-TRICHLOROETHANE	9.554	97	73141	2.24	PPBV	94
33) CARBON TETRACHLORIDE	10.163	117	79966	2.01	PPBV	96
34) 1,2-DICHLOROETHANE	9.302	62	39486	1.99	PPBV	98
36) BENZENE	10.012	78	45956	1.90	PPBV	96
37) CYCLOHEXANE	10.293	84	19412	2.33	PPBV	92
38) TRICHLOROETHYLENE	11.054	95	30900	2.11	PPBV #	84
39) 1,2-DICHLOROPROPANE	10.829	63	19365	2.32	PPBV #	78
40) BROMODICHLOROMETHANE	11.013	83	59961	2.20	PPBV	97
41) 2,2,4-TRIMETHYLPENTANE	11.077	57	79813	2.09	PPBV	92
42) 1,4-DIOXANE	11.052	88	8436	1.86	PPBV #	50
43) HEPTANE	11.333	43	36338	2.39	PPBV	87

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3478.D
Acq On : 21 May 2007 8:17 pm
Operator : PhilipB
Sample : IC189-2 (M060)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 22 09:21:43 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:21:08 2007
Response via : Initial Calibration

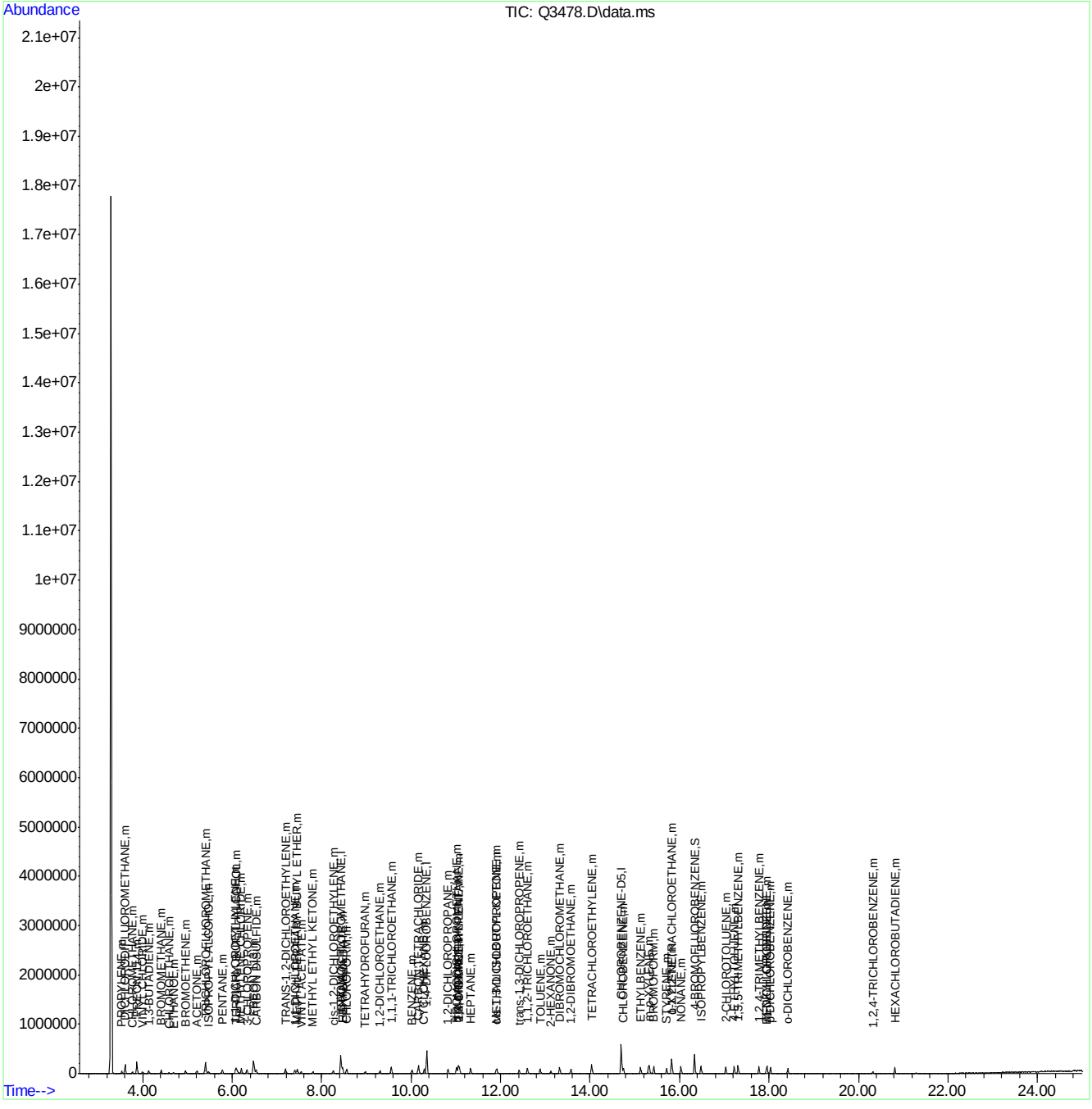
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) METHYL ISOBUTYL KETONE	11.917	43	46342	1.94	PPBV		90
45) cis-1,3-DICHLOROPROPENE	11.895	75	27543	1.97	PPBV		89
46) TOLUENE	12.891	92	30483	1.67	PPBV		95
47) trans-1,3-DICHLOROPROPENE	12.415	75	24096	1.65	PPBV	#	99
48) 1,1,2-TRICHLOROETHANE	12.596	83	24036	2.33	PPBV		89
50) 2-HEXANONE	13.115	43	33792	1.72	PPBV		89
51) TETRACHLOROETHYLENE	14.030	164	11016	0.71	PPBV	#	1
52) DIBROMOCHLOROMETHANE	13.319	129	51905	1.72	PPBV		97
53) 1,2-DIBROMOETHANE	13.567	107	45115	2.24	PPBV		99
54) CHLOROBENZENE	14.742	112	46937	1.91	PPBV		98
55) ETHYLBENZENE	15.131	91	69973	1.64	PPBV		97
56) m,p-XYLENE	15.306	106	62158m	3.68	PPBV		
57) o-XYLENE	15.828	106	33559	1.99	PPBV		91
58) STYRENE	15.713	104	35985	1.67	PPBV		98
59) NONANE	16.032	43	44138	1.70	PPBV	#	62
60) BROMOFORM	15.420	173	47052	1.31	PPBV		97
62) 1,1,2,2-TETRACHLOROETHANE	15.816	83	59425	2.04	PPBV		95
63) ISOPROPYLBENZENE	16.478	105	77164	1.56	PPBV		96
64) 2-CHLOROTOLUENE	17.030	91	59105	1.62	PPBV		92
65) 4-ETHYLTOLUENE	17.221	105	70555	1.47	PPBV		97
66) 1,3,5-TRIMETHYLBENZENE	17.308	105	63855	1.37	PPBV		95
67) 1,2,4-TRIMETHYLBENZENE	17.775	105	53288	1.23	PPBV		96
68) m-DICHLOROBENZENE	17.958	146	39830	1.46	PPBV		95
69) BENZYL CHLORIDE	17.935	91	27608	0.99	PPBV		95
70) p-DICHLOROBENZENE	18.031	146	35343	1.48	PPBV		98
71) o-DICHLOROBENZENE	18.418	146	26328	1.04	PPBV		96
72) HEXACHLOROBUTADIENE	20.812	225	11481	1.03	PPBV		96
73) 1,2,4-TRICHLOROBENZENE	20.320	180	7142	2.06	PPBV		93

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3478.D
Acq On : 21 May 2007 8:17 pm
Operator : PhilipB
Sample : IC189-2 (M060)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 22 09:21:43 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:21:08 2007
Response via : Initial Calibration

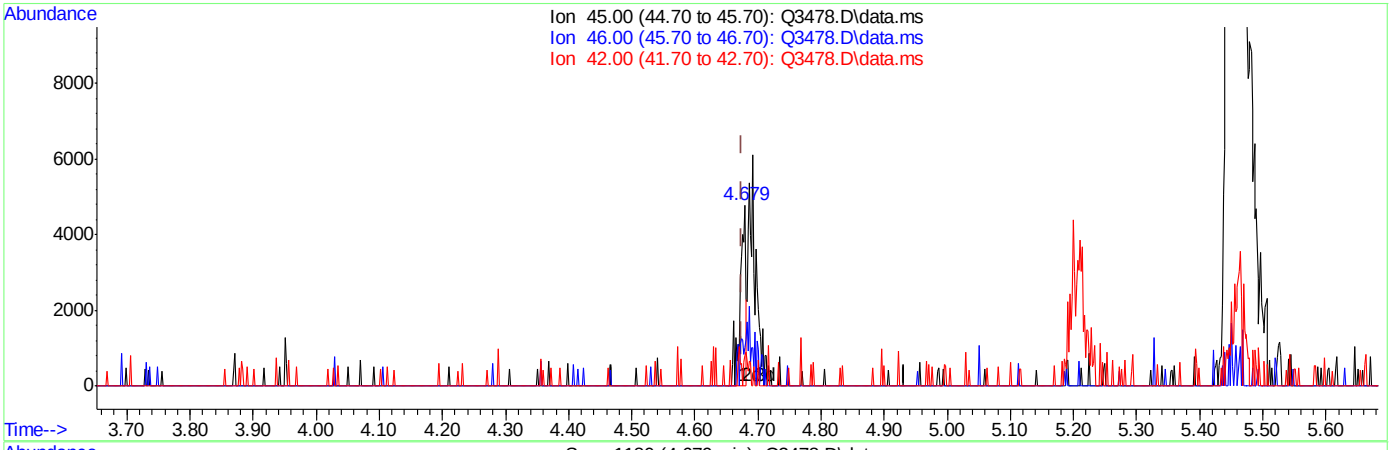


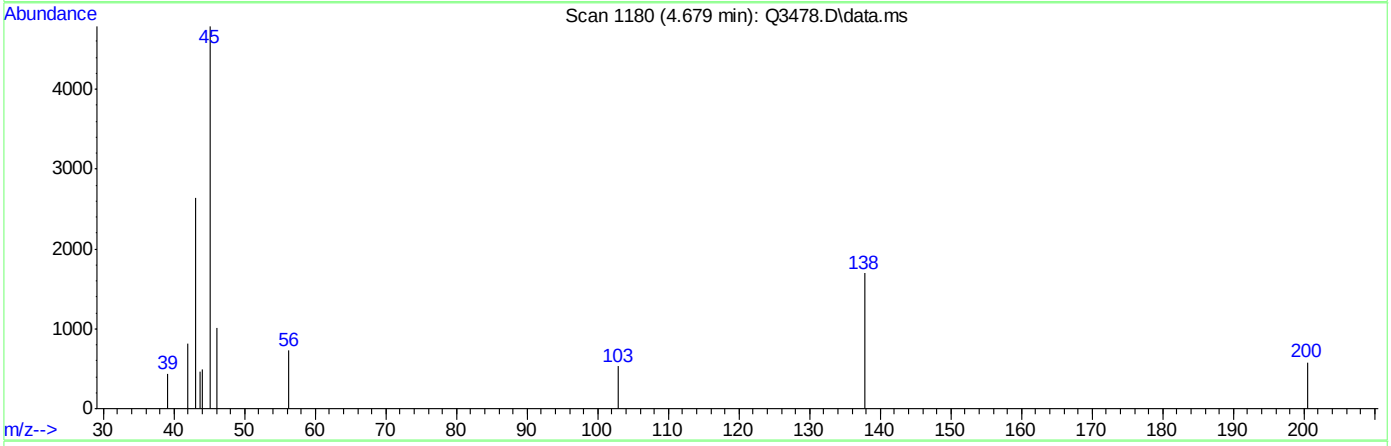
ACCUTEST Laboratories M64940

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3478.D
Acq On : 21 May 2007 8:17 pm
Operator : PhilipB
Sample : IC189-2 (M060)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 22 09:21:13 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:21:08 2007
Response via : Initial Calibration





TIC: Q3478.D\data.ms

(16) ETHANOL (m)

4.679min (+0.004) 0.82PPBV

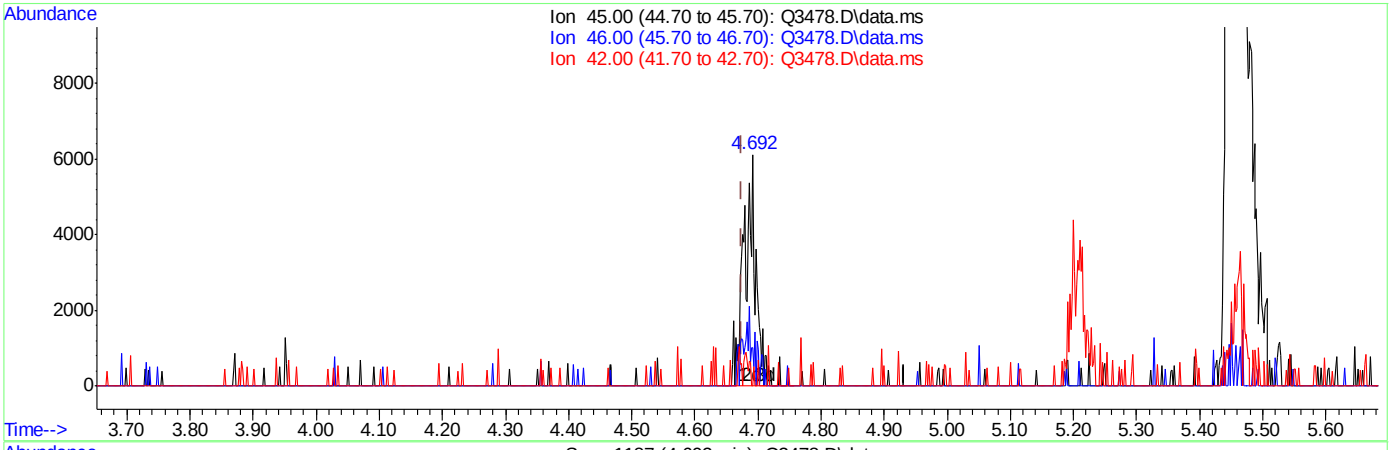
response 2931

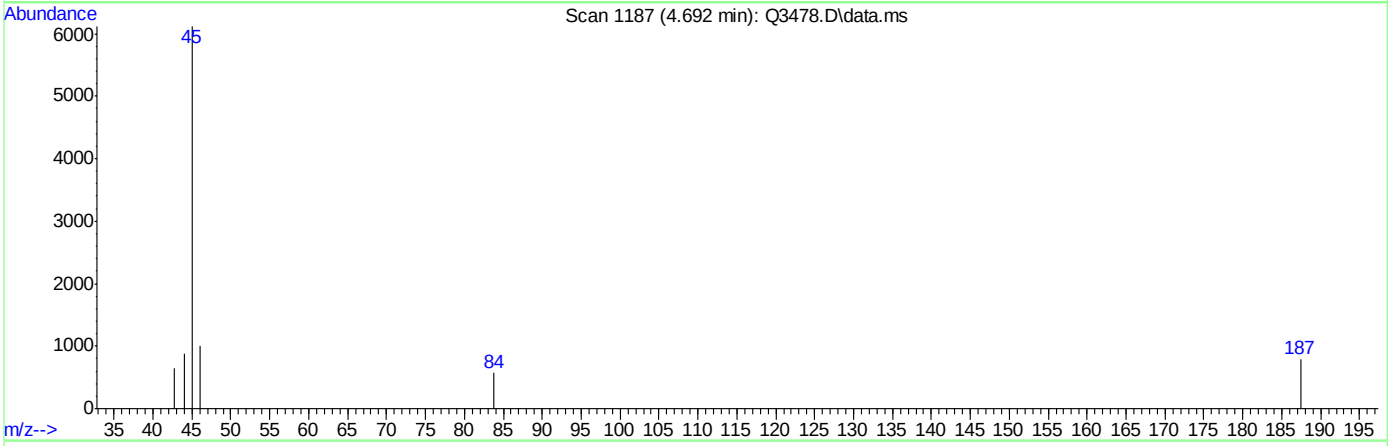
Ion	Exp%	Act%
45.00	100	100
46.00	0.00	51.01#
42.00	0.00	12.76
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3478.D
Acq On    : 21 May 2007   8:17 pm
Operator  : PhilipB
Sample    : IC189-2 (M060)
Misc      : MS13602,MSQ189,,,,,1
ALS Vial  : 3   Sample Multiplier: 1

Quant Time: May 22 09:21:13 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:21:08 2007
Response via : Initial Calibration
```



TIC: Q3478.D\data.ms

(16) ETHANOL (m)

4.692min (+0.017) 2.21PPBV m

response 7891

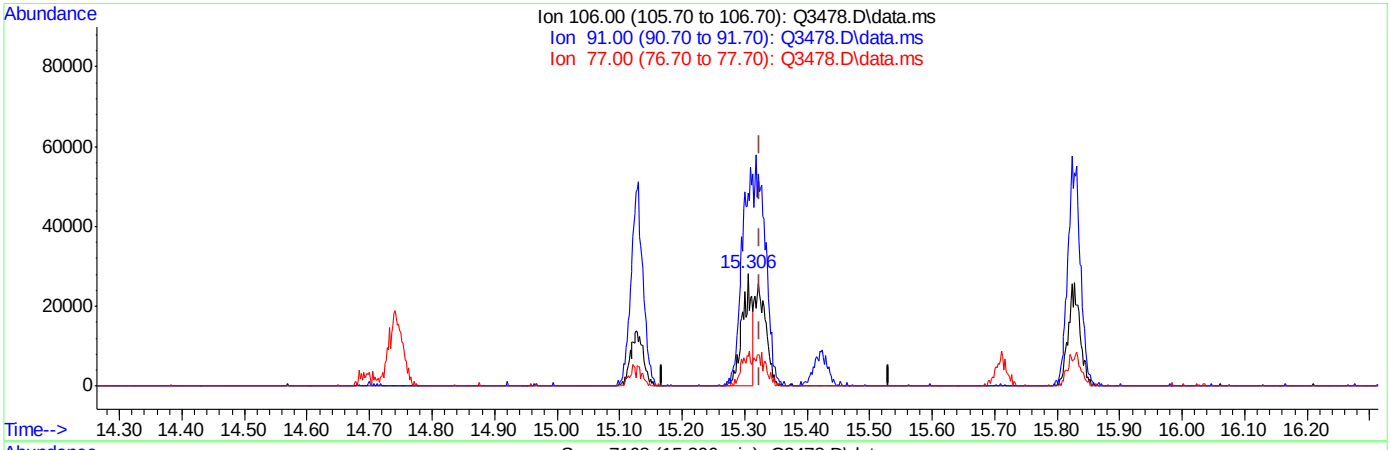
Ion	Exp%	Act%
45.00	100	100
46.00	0.00	18.95
42.00	0.00	4.74
0.00	0.00	0.00

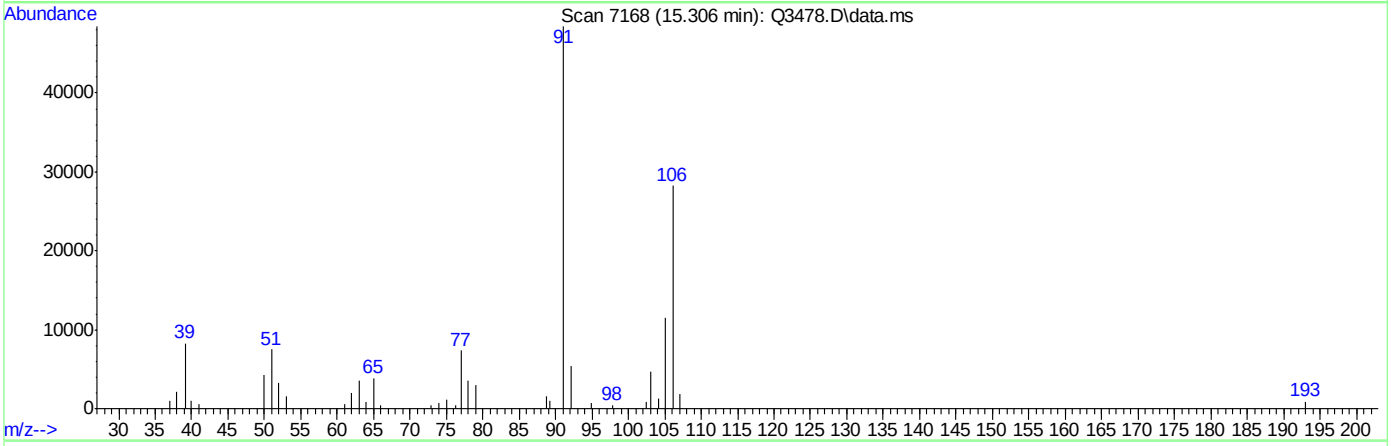
ACCUTEST Laboratories M64940

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3478.D
Acq On    : 21 May 2007   8:17 pm
Operator  : PhilipB
Sample    : IC189-2 (M060)
Misc      : MS13602,MSQ189,,,,,1
ALS Vial  : 3   Sample Multiplier: 1

Quant Time: May 22 09:21:13 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:21:08 2007
Response via : Initial Calibration
```



TIC: Q3478.D\data.ms

(56) m,p-XYLENE (m)

15.306min (-0.018) 1.80PPBV

response 30340

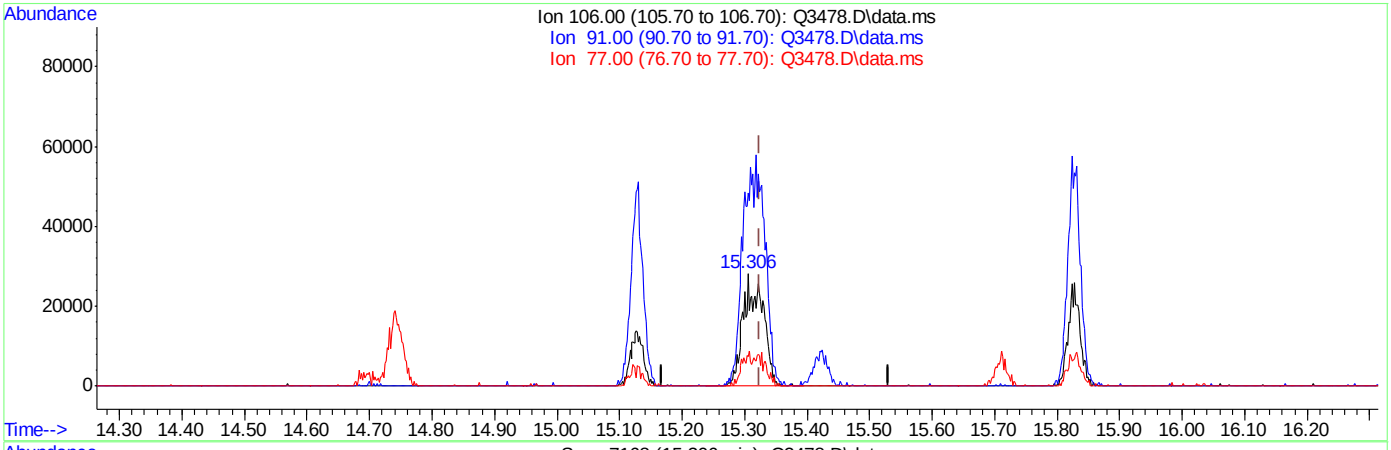
Ion	Exp%	Act%
106.00	100	100
91.00	204.20	171.68
77.00	30.60	26.07
0.00	0.00	0.00

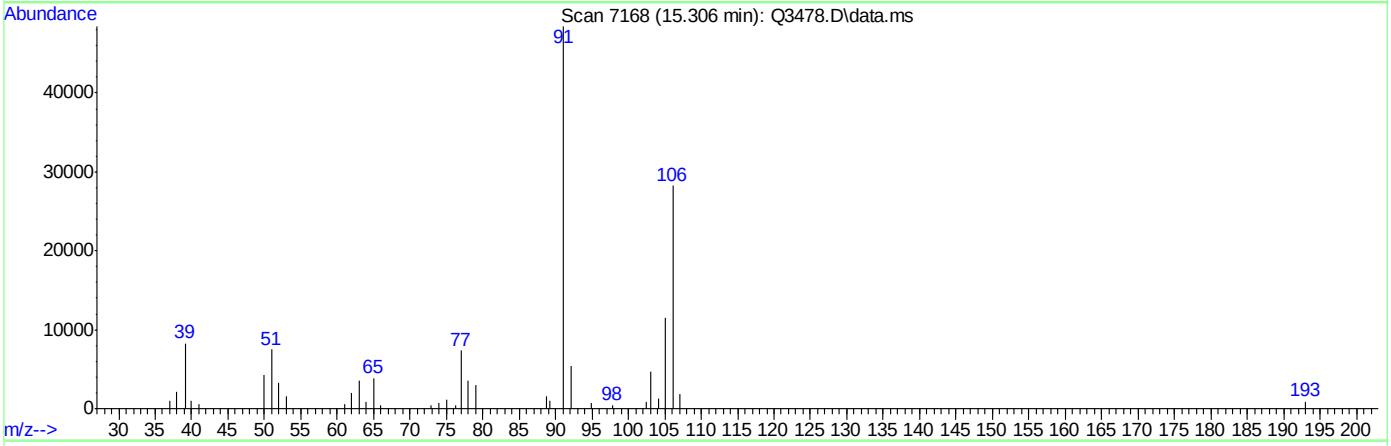
ACCUTEST Laboratories M64940

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3478.D
Acq On : 21 May 2007 8:17 pm
Operator : PhilipB
Sample : IC189-2 (M060)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 22 09:21:13 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:21:08 2007
Response via : Initial Calibration





TIC: Q3478.D\data.ms

(56) m,p-XYLENE (m)

15.306min (-0.018) 3.68PPBV m

response 62158

Ion	Exp%	Act%
106.00	100	100
91.00	204.20	171.68
77.00	30.60	26.07
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
05/23/07 16:02

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3479.D
Acq On : 21 May 2007 9:00 pm
Operator : PhilipB
Sample : IC189-.5 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:24:07 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:21:54 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.428	128	66653	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.343	114	314660	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.696	117	268589	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.332	95	76411	3.51	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 70.20%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	3.600	85	30207	0.58	PPBV	83
3) PROPYLENE	3.531	41	4734	0.63	PPBV #	66
4) FREON 114	3.866	85	28153	0.61	PPBV #	100
5) CHLOROMETHANE	3.767	50	6206	0.60	PPBV	86
6) VINYL CHLORIDE	3.996	62	7099	0.67	PPBV #	37
7) 1,3-BUTADIENE	4.127	39	7529	0.60	PPBV #	100
8) BROMOMETHANE	4.406	94	8296	0.62	PPBV #	100
9) CHLOROETHANE	4.587	64	4211	0.84	PPBV #	100
10) TRICHLOROFLUOROMETHANE	5.402	101	45855m	0.58	PPBV	
11) ISOPROPYL ALCOHOL	5.457	45	12691	0.53	PPBV	83
12) ACETONE	5.206	43	16853	0.62	PPBV	80
13) PENTANE	5.769	42	8456	0.63	PPBV #	100
14) 1,1-DICHLOROETHYLENE	6.081	96	9120	0.54	PPBV #	16
15) CARBON DISULFIDE	6.530	76	23372	0.55	PPBV #	37
16) ETHANOL	4.688	45	1822	0.49	PPBV	100
17) BROMOETHENE	4.951	106	11341	0.78	PPBV #	100
18) METHYLENE CHLORIDE	6.200	84	11487	0.76	PPBV #	1
19) 3-CHLOROPROPENE	6.326	39	11543	0.54	PPBV #	16
20) FREON 113	6.475	151	21252	0.39	PPBV #	100
21) TRANS-1,2-DICHLOROETHY...	7.180	96	6982	0.40	PPBV #	100
22) TERTIARY BUTYL ALCOHOL	6.113	59	14564m	0.47	PPBV	
23) METHYL TERTIARY BUTYL ...	7.453	73	13576	0.34	PPBV #	100
24) TETRAHYDROFURAN	8.976	42	4996	0.49	PPBV	100
25) HEXANE	8.465	57	8917	0.74	PPBV #	100
26) VINYL ACETATE	7.538	43	11806	0.33	PPBV #	93
27) 1,1-DICHLOROETHANE	7.391	63	12940	0.42	PPBV	100
28) METHYL ETHYL KETONE	7.801	43	9853	0.42	PPBV	85
29) cis-1,2-DICHLOROETHYLENE	8.261	96	5847m	0.60	PPBV	
30) ETHYL ACETATE	8.470	43	22090	0.60	PPBV	100
31) CHLOROFORM	8.554	83	20323	0.71	PPBV #	100
32) 1,1,1-TRICHLOROETHANE	9.553	97	21686	0.63	PPBV	91
33) CARBON TETRACHLORIDE	10.163	117	25974	0.64	PPBV #	56
34) 1,2-DICHLOROETHANE	9.304	62	13422m	0.66	PPBV	
36) BENZENE	10.014	78	15632	0.56	PPBV	91
37) CYCLOHEXANE	10.288	84	4975m	0.49	PPBV	
38) TRICHLOROETHYLENE	11.051	95	9508	0.55	PPBV #	81
39) 1,2-DICHLOROPROPANE	10.813	63	5084m	0.51	PPBV	
40) BROMODICHLOROMETHANE	11.008	83	17830	0.55	PPBV #	68
41) 2,2,4-TRIMETHYLPENTANE	11.079	57	24510	0.55	PPBV #	70
42) 1,4-DIOXANE	11.051	88	1388m	0.27	PPBV	
43) HEPTANE	11.326	43	8924	0.48	PPBV	88

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3479.D
Acq On : 21 May 2007 9:00 pm
Operator : PhilipB
Sample : IC189-.5 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:24:07 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:21:54 2007
Response via : Initial Calibration

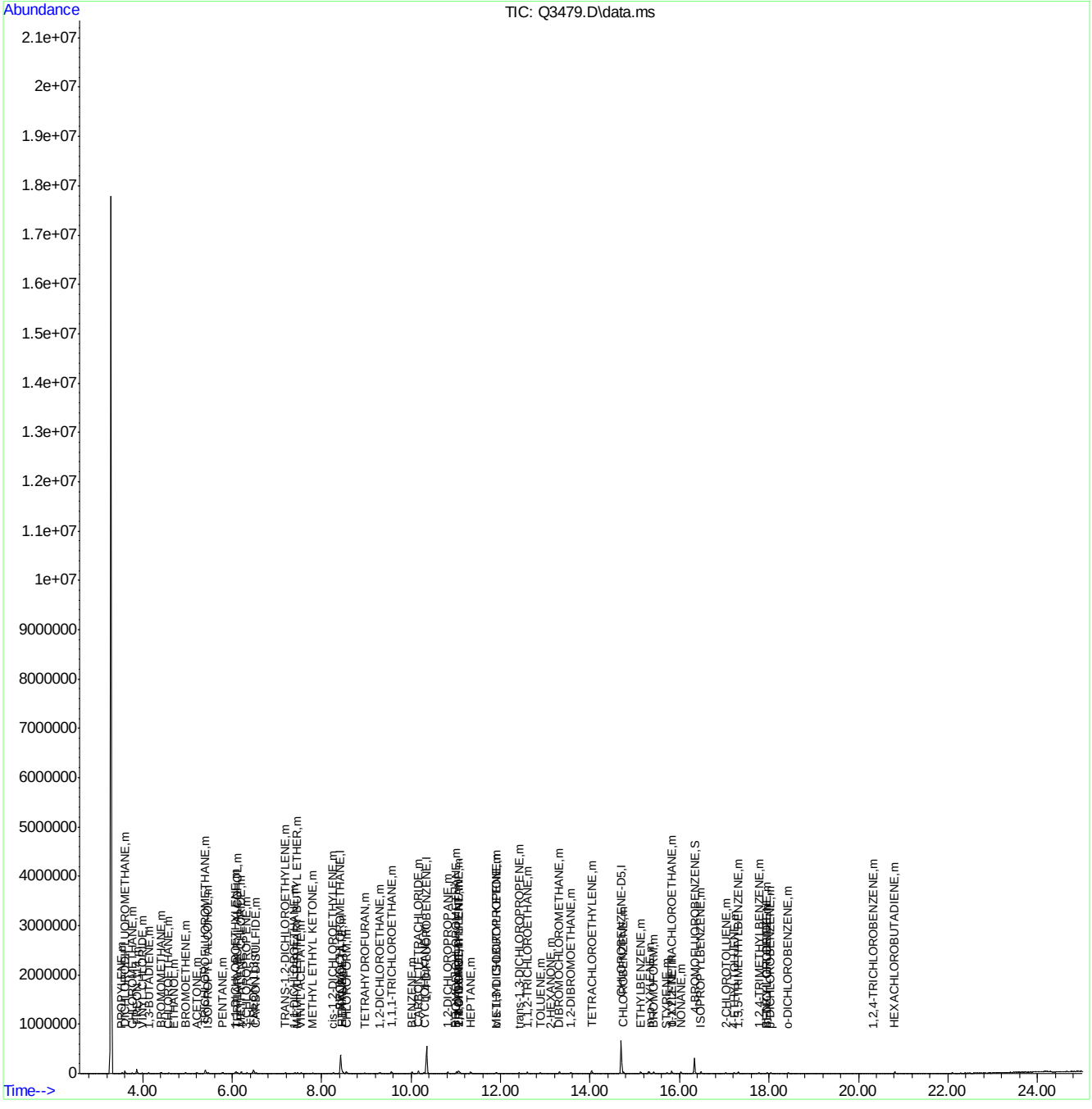
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) METHYL ISOBUTYL KETONE	11.917	43	9064	0.33	PPBV		66
45) cis-1,3-DICHLOROPROPENE	11.904	75	7200	0.44	PPBV		88
46) TOLUENE	12.882	92	7670	0.37	PPBV		98
47) trans-1,3-DICHLOROPROPENE	12.414	75	5532	0.34	PPBV	#	97
48) 1,1,2-TRICHLOROETHANE	12.602	83	5210m	0.42	PPBV		
50) 2-HEXANONE	13.120	43	4045m	0.18	PPBV		
51) TETRACHLOROETHYLENE	14.038	164	6457	0.41	PPBV	#	27
52) DIBROMOCHLOROMETHANE	13.306	129	14101m	0.41	PPBV		
53) 1,2-DIBROMOETHANE	13.571	107	11515	0.48	PPBV	#	96
54) CHLOROBENZENE	14.740	112	14988	0.52	PPBV		96
55) ETHYLBENZENE	15.129	91	17284	0.36	PPBV		98
56) m,p-XYLENE	15.328	106	13556m	0.70	PPBV		
57) o-XYLENE	15.832	106	7979	0.40	PPBV		95
58) STYRENE	15.708	104	6888	0.28	PPBV	#	79
59) NONANE	16.038	43	11193	0.38	PPBV	#	80
60) BROMOFORM	15.418	173	11028	0.28	PPBV		95
62) 1,1,2,2-TETRACHLOROETHANE	15.812	83	9796	0.29	PPBV	#	28
63) ISOPROPYLBENZENE	16.474	105	18341	0.33	PPBV		95
64) 2-CHLOROTOLUENE	17.028	91	10903	0.26	PPBV		88
65) 4-ETHYLTOLUENE	17.223	105	11610	0.22	PPBV		98
66) 1,3,5-TRIMETHYLBENZENE	17.305	105	12933	0.25	PPBV		95
67) 1,2,4-TRIMETHYLBENZENE	17.779	105	9008	0.19	PPBV		85
68) m-DICHLOROBENZENE	17.958	146	5405	0.18	PPBV		91
69) BENZYL CHLORIDE	17.939	91	4023	0.14	PPBV		76
70) p-DICHLOROBENZENE	18.036	146	4968	0.19	PPBV	#	76
71) o-DICHLOROBENZENE	18.425	146	5020	0.19	PPBV		91
72) HEXACHLOROBUTADIENE	20.814	225	4098	0.35	PPBV	#	65
73) 1,2,4-TRICHLOROBENZENE	20.322	180	908m	0.22	PPBV		

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3479.D
Acq On : 21 May 2007 9:00 pm
Operator : PhilipB
Sample : IC189-.5 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:24:07 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:21:54 2007
Response via : Initial Calibration

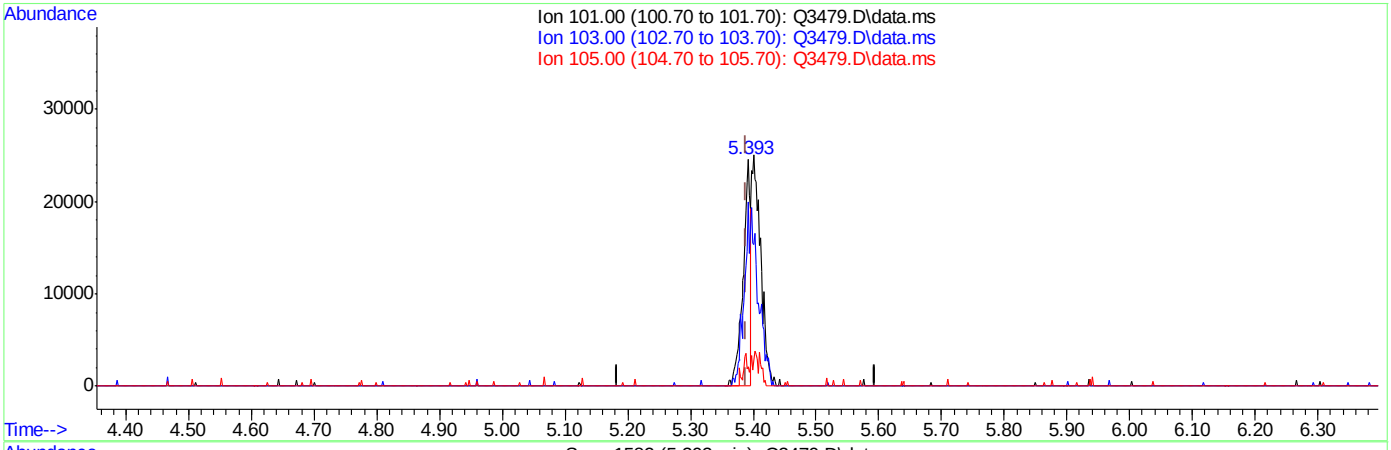


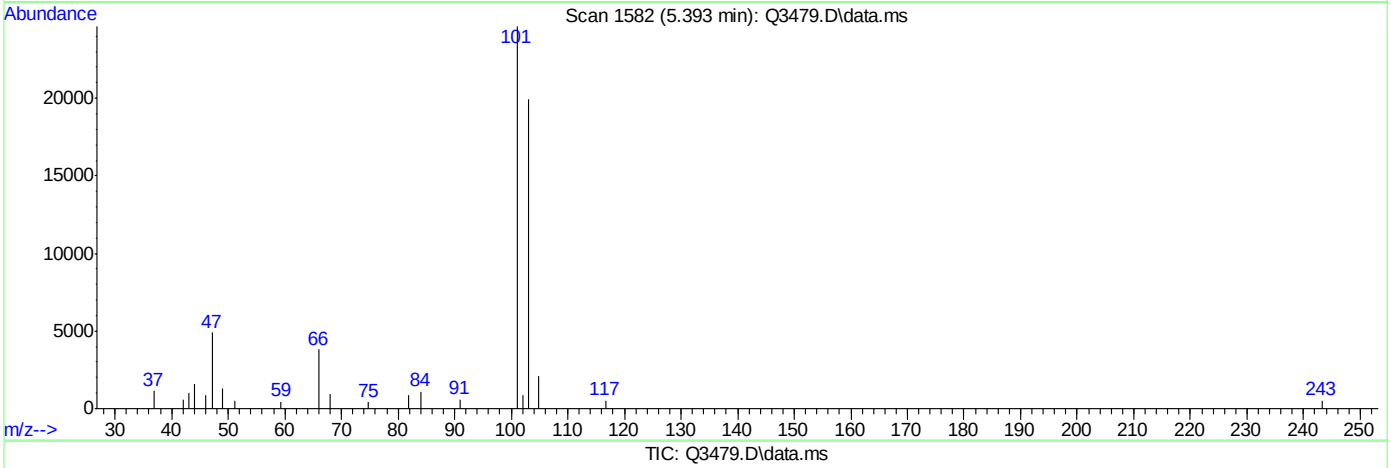
ACCUTEST Laboratories M64940

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3479.D
Acq On : 21 May 2007 9:00 pm
Operator : PhilipB
Sample : IC189-.5 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:21:59 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:21:54 2007
Response via : Initial Calibration





TIC: Q3479.D\data.ms

(10) TRICHLOROFLUOROMETHANE (m)

5.393min (+0.004) 0.26PPBV

response 20347

Ion	Exp%	Act%
101.00	100	100
103.00	0.00	148.24#
105.00	0.00	13.53
0.00	0.00	0.00

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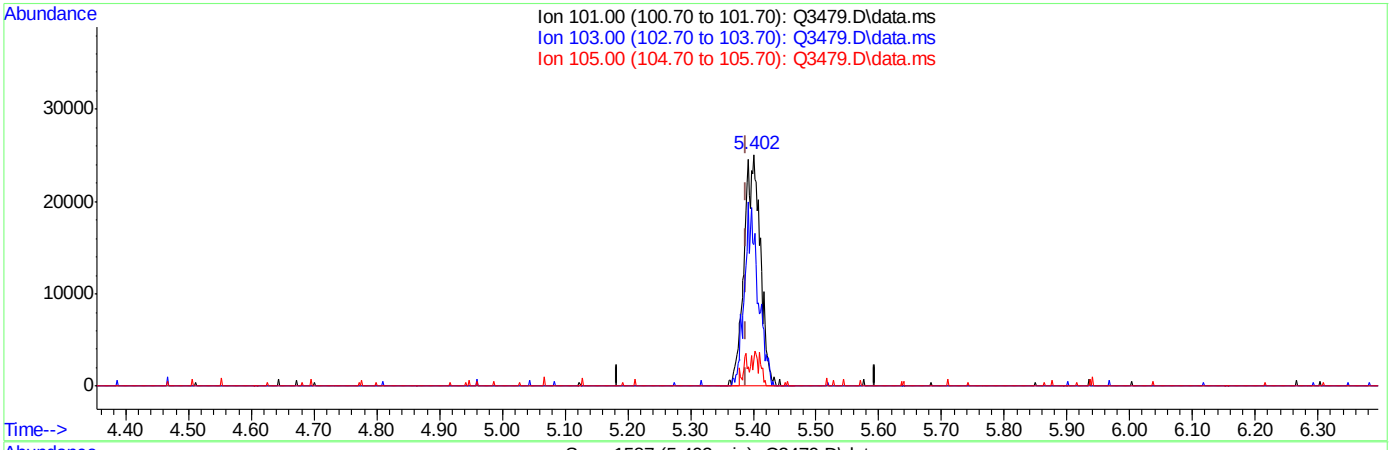
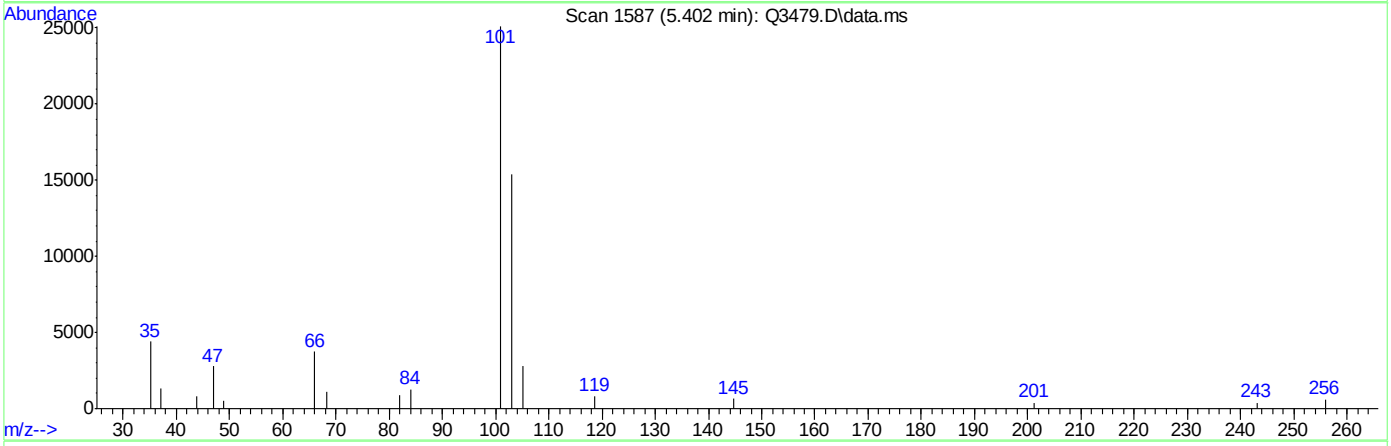
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3479.D
Acq On : 21 May 2007 9:00 pm
Operator : PhilipB
Sample : IC189-.5 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:21:59 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:21:54 2007
Response via : Initial Calibration





TIC: Q3479.D\data.ms

(10) TRICHLOROFLUOROMETHANE (m)

5.402min (+0.013) 0.58PPBV m

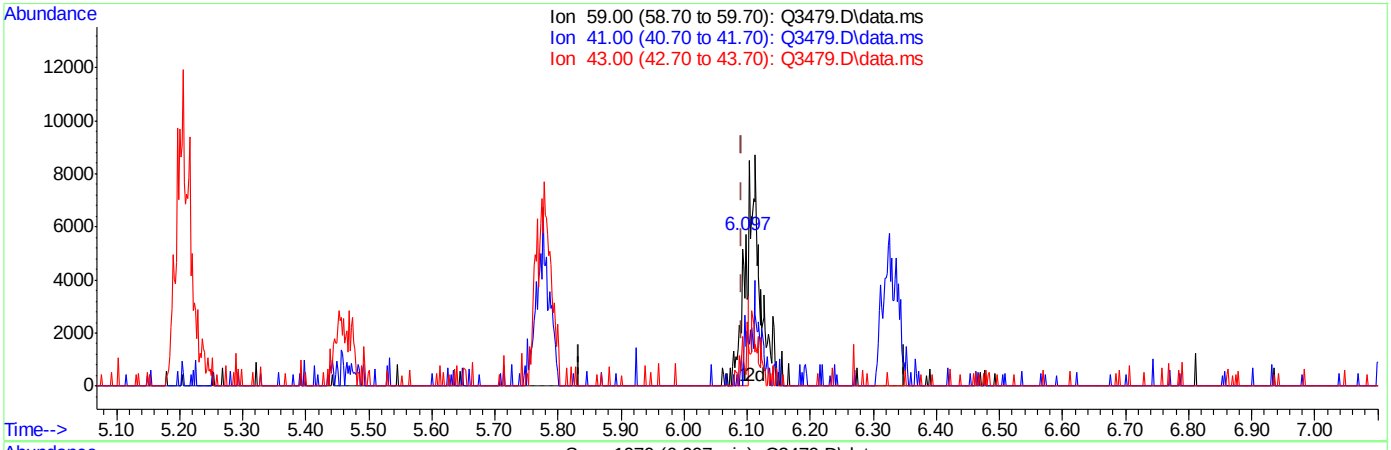
response 45855

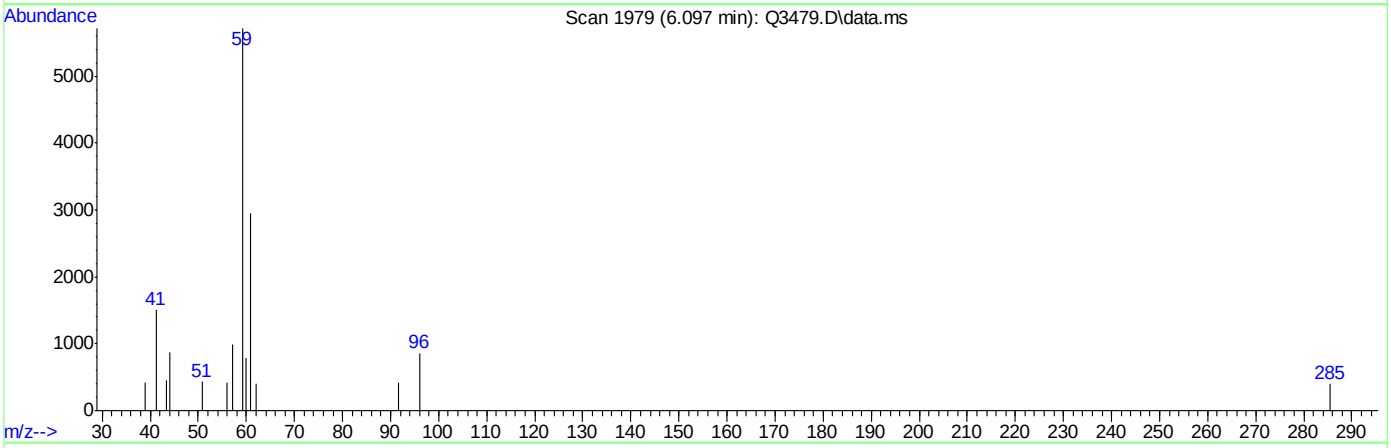
Ion	Exp%	Act%
101.00	100	100
103.00	0.00	65.78#
105.00	0.00	6.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3479.D
Acq On : 21 May 2007 9:00 pm
Operator : PhilipB
Sample : IC189-.5 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:21:59 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:21:54 2007
Response via : Initial Calibration





TIC: Q3479.D\data.ms

(22) TERTIARY BUTYL ALCOHOL (m)

6.097min (+0.005) 0.13PPBV

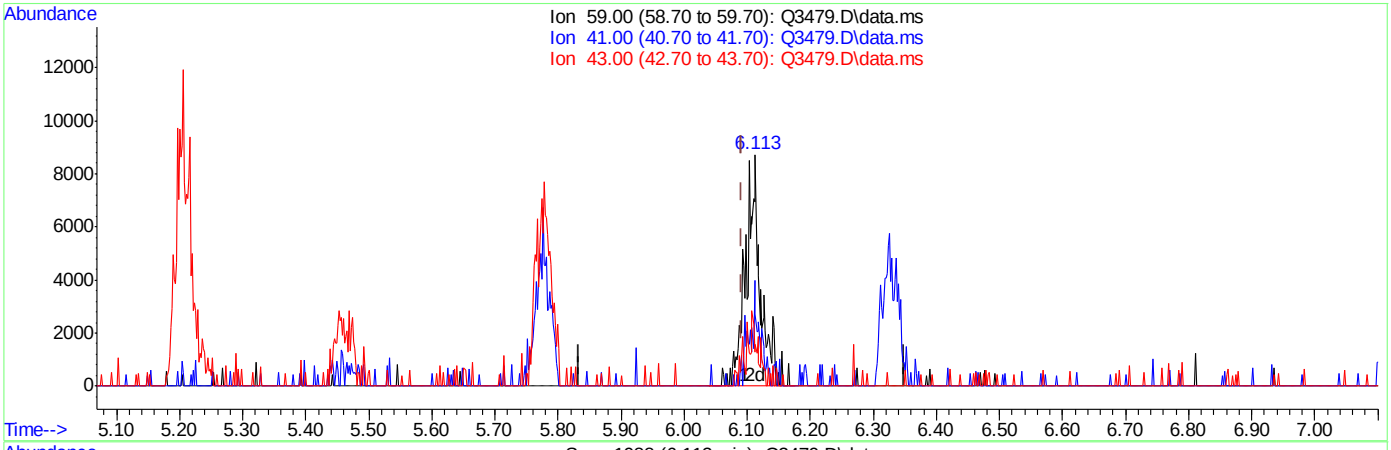
response 4114

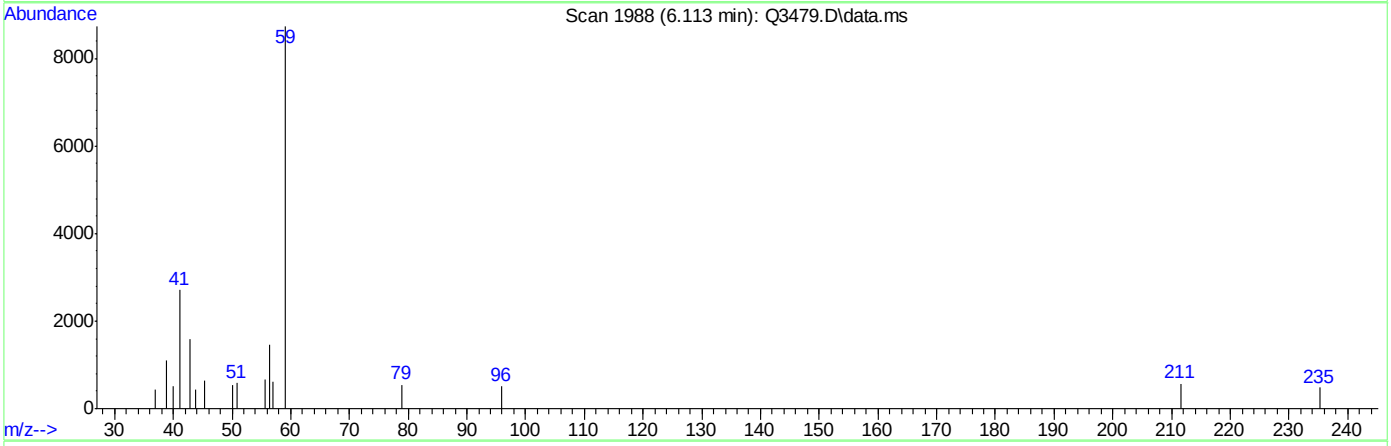
Ion	Exp%	Act%
59.00	100	100
41.00	0.00	0.00
43.00	0.00	21.44#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3479.D
Acq On : 21 May 2007 9:00 pm
Operator : PhilipB
Sample : IC189-.5 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:21:59 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:21:54 2007
Response via : Initial Calibration





TIC: Q3479.D\data.ms

(22) TERTIARY BUTYL ALCOHOL (m)

6.113min (+0.021) 0.47PPBV m

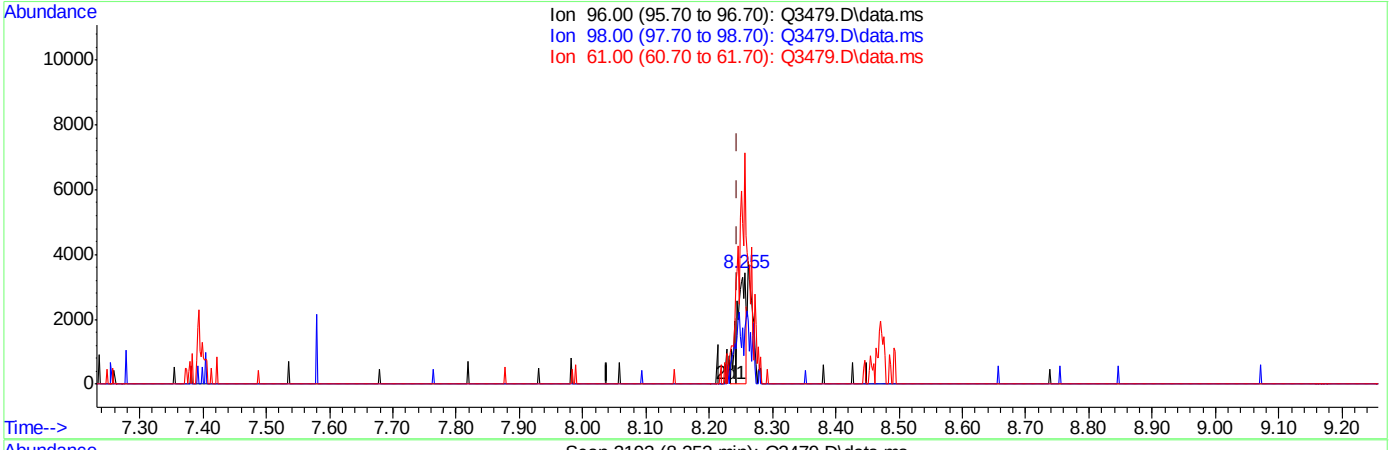
response 14564

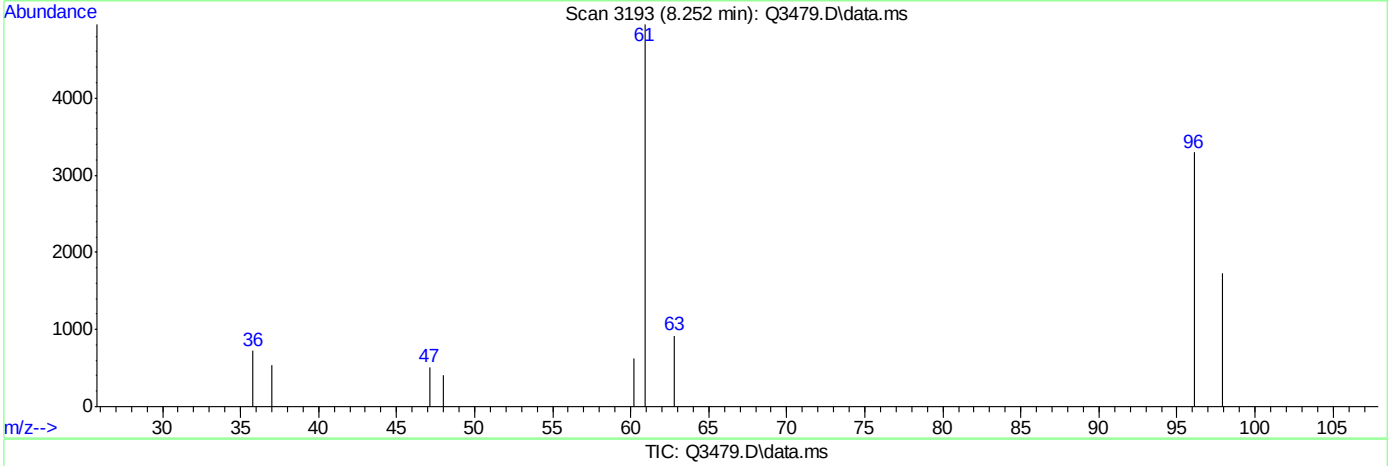
Ion	Exp%	Act%
59.00	100	100
41.00	0.00	0.00
43.00	0.00	6.06
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3479.D
Acq On : 21 May 2007 9:00 pm
Operator : PhilipB
Sample : IC189-.5 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:21:59 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:21:54 2007
Response via : Initial Calibration





TIC: Q3479.D\data.ms

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

8.252min (+0.007) 0.32PPBV

response 3128

Ion	Exp%	Act%
96.00	100	100
98.00	0.00	51.15#
61.00	0.00	274.23#
0.00	0.00	0.00

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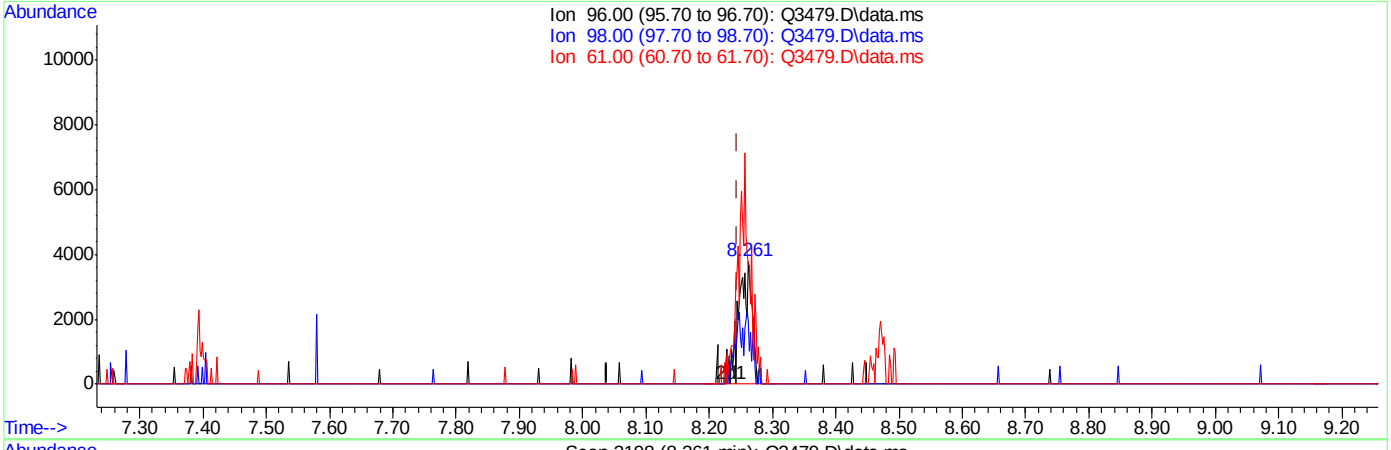
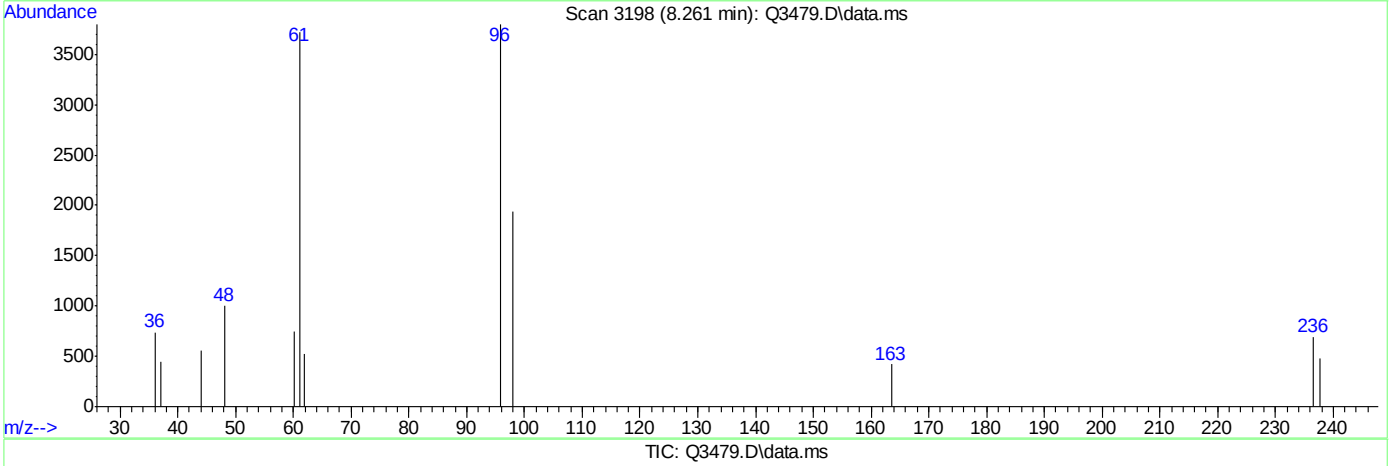
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3479.D
Acq On : 21 May 2007 9:00 pm
Operator : PhilipB
Sample : IC189-.5 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:21:59 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:21:54 2007
Response via : Initial Calibration





TIC: Q3479.D\data.ms

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

8.261min (+0.016) 0.60PPBV m

response 5847

Ion	Exp%	Act%
96.00	100	100
98.00	0.00	27.36#
61.00	0.00	146.71#
0.00	0.00	0.00

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Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3479.D
Acq On    : 21 May 2007   9:00 pm
Operator  : PhilipB
Sample    : IC189-.5 (M044)
Misc      : MS13602,MSQ189,,,,,1
ALS Vial  : 4   Sample Multiplier: 1

Quant Time: May 22 09:21:59 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:21:54 2007
Response via : Initial Calibration
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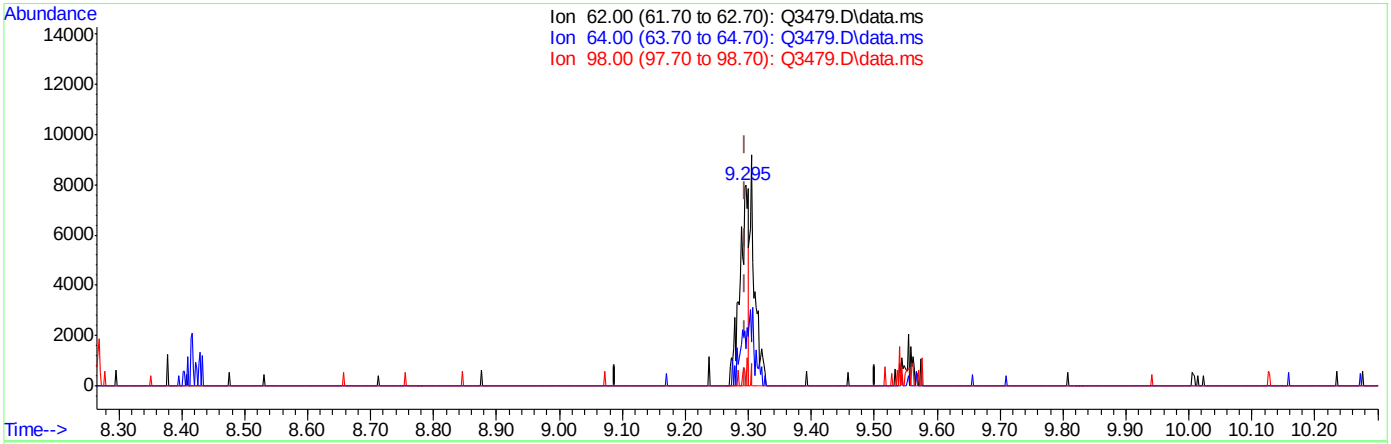
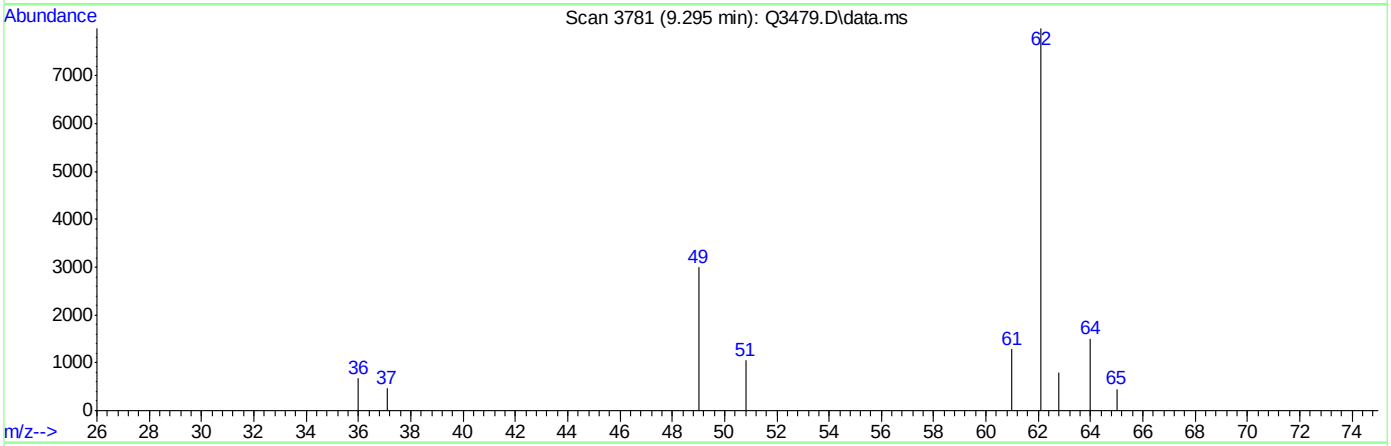




TIC: Q3479.D\data.ms

(34) 1,2-DICHLOROETHANE (m)

9.295min (+0.000) 0.39PPBV

response 7963

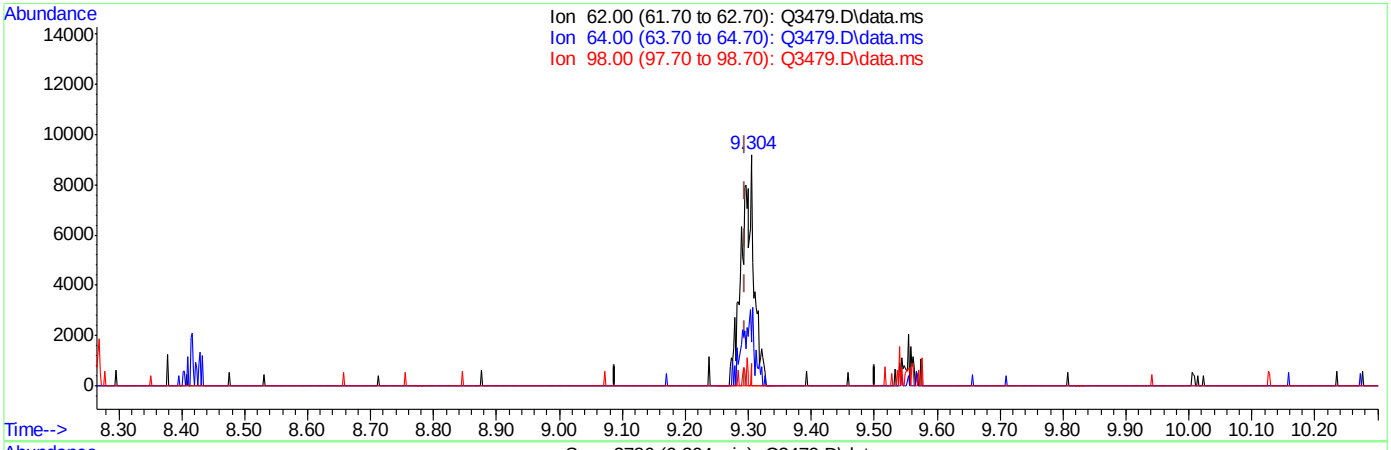
Ion	Exp%	Act%
62.00	100	100
64.00	30.70	47.75
98.00	4.60	5.73
0.00	0.00	0.00

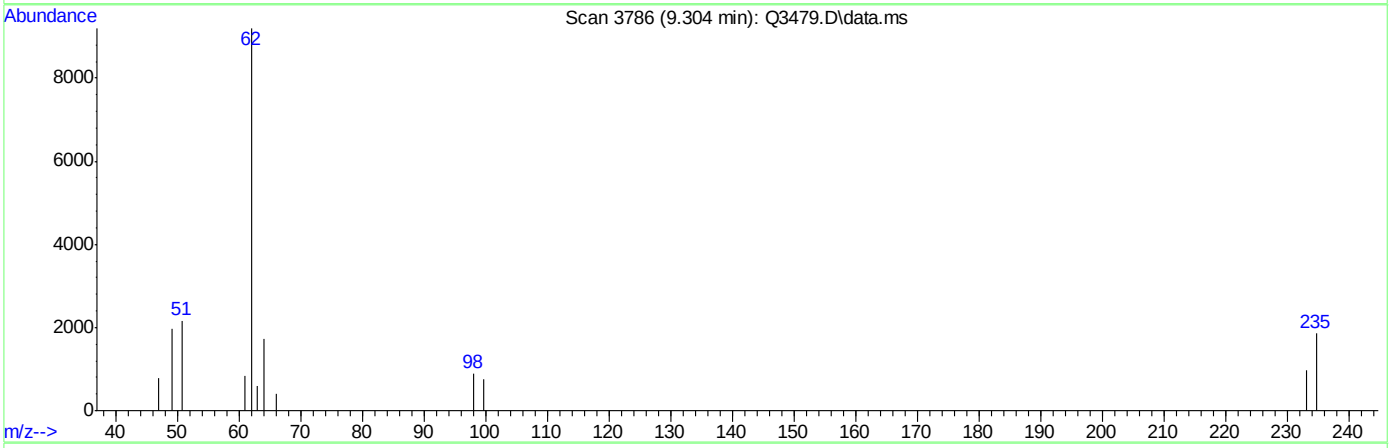
ACCUTEST Laboratories M64940

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3479.D
Acq On : 21 May 2007 9:00 pm
Operator : PhilipB
Sample : IC189-.5 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:21:59 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:21:54 2007
Response via : Initial Calibration





TIC: Q3479.D\data.ms

(34) 1,2-DICHLOROETHANE (m)

9.304min (+0.009) 0.66PPBV m

response 13422

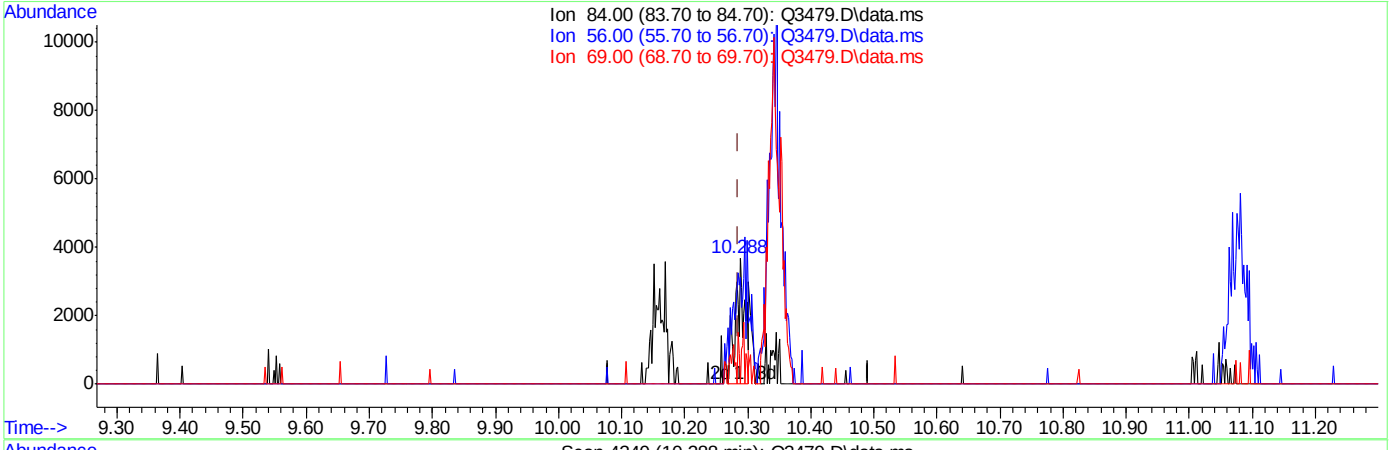
Ion	Exp%	Act%
62.00	100	100
64.00	30.70	28.33
98.00	4.60	3.40
0.00	0.00	0.00

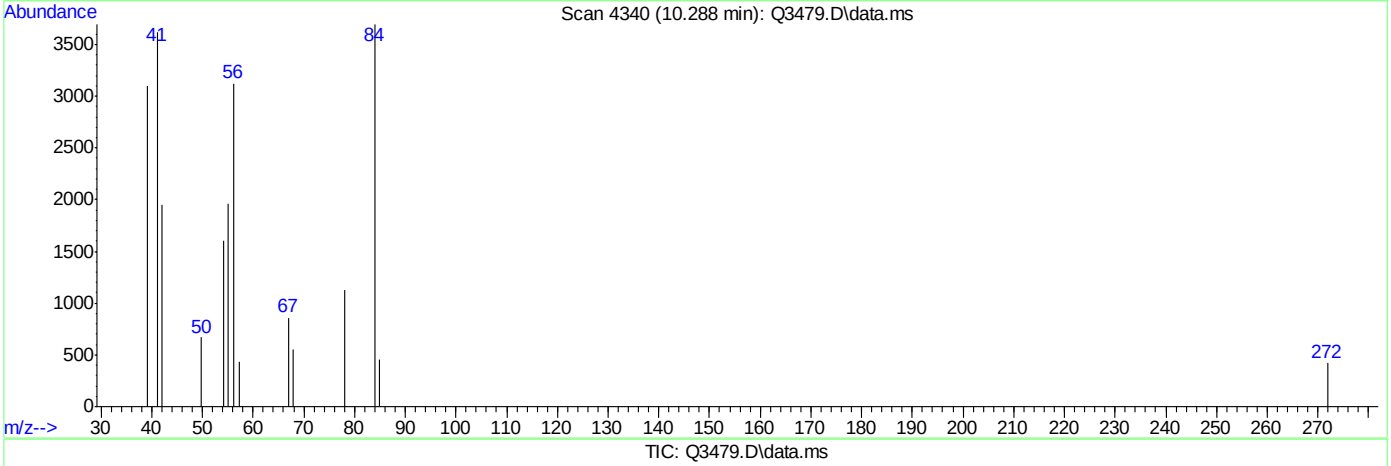
ACCUTEST Laboratories M64940

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3479.D
Acq On : 21 May 2007 9:00 pm
Operator : PhilipB
Sample : IC189-.5 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:21:59 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:21:54 2007
Response via : Initial Calibration





TIC: Q3479.D\data.ms

(37) CYCLOHEXANE (m)

10.288min (+0.002) 0.36PPBV

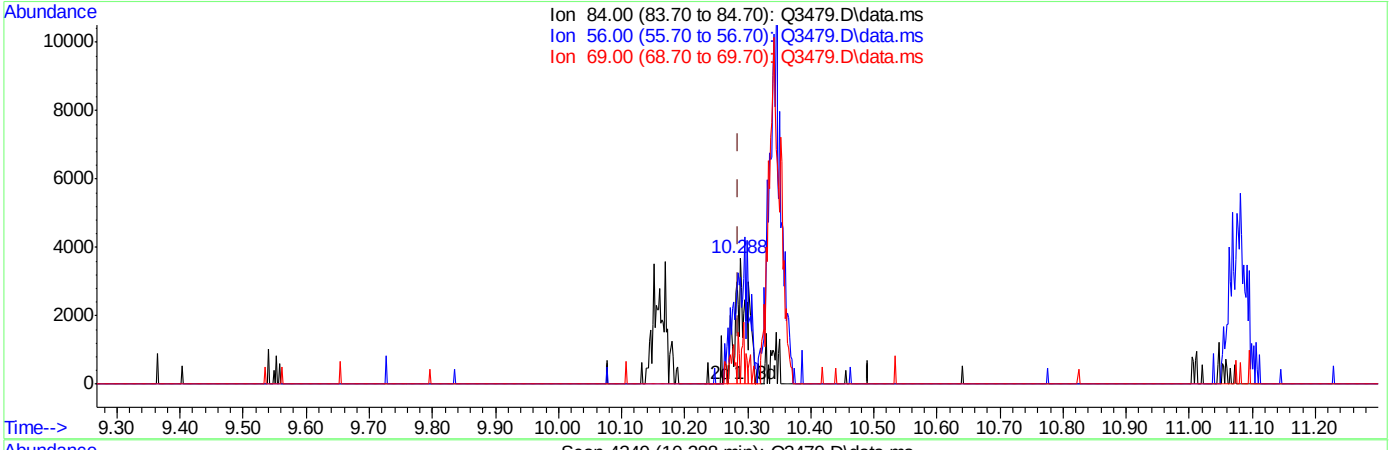
response 3593

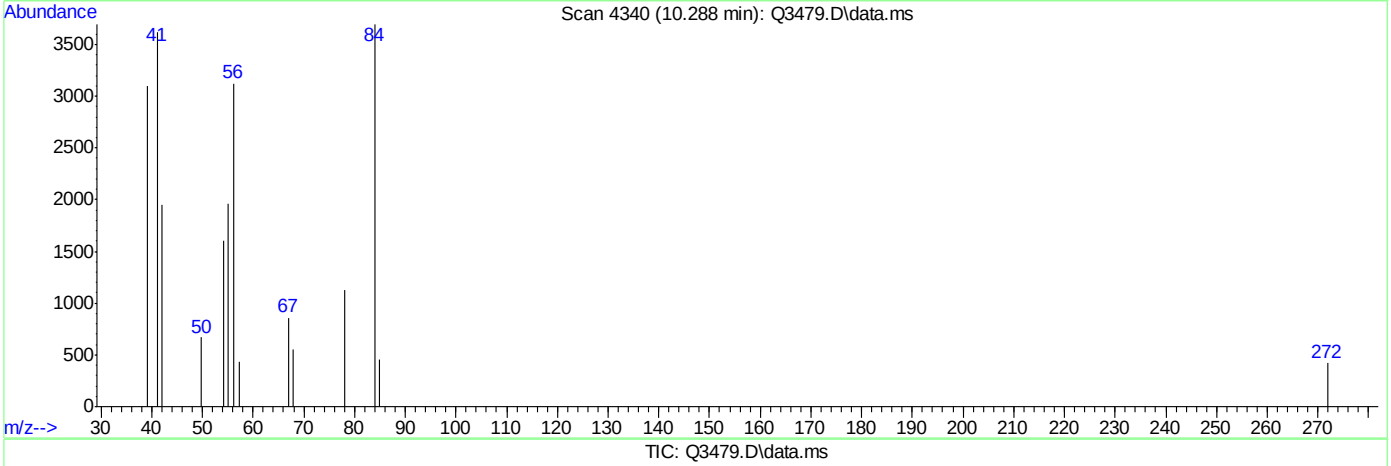
Ion	Exp%	Act%
84.00	100	100
56.00	106.20	127.39#
69.00	33.50	29.33
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3479.D
Acq On : 21 May 2007 9:00 pm
Operator : PhilipB
Sample : IC189-.5 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:21:59 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:21:54 2007
Response via : Initial Calibration





TIC: Q3479.D\data.ms

(37) CYCLOHEXANE (m)

10.288min (+0.002) 0.49PPBV m

response 4975

Ion	Exp%	Act%
84.00	100	100
56.00	106.20	92.00
69.00	33.50	21.19
0.00	0.00	0.00

ACCUTEST Laboratories M64940

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3479.D
Acq On : 21 May 2007 9:00 pm
Operator : PhilipB
Sample : IC189-.5 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:21:59 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
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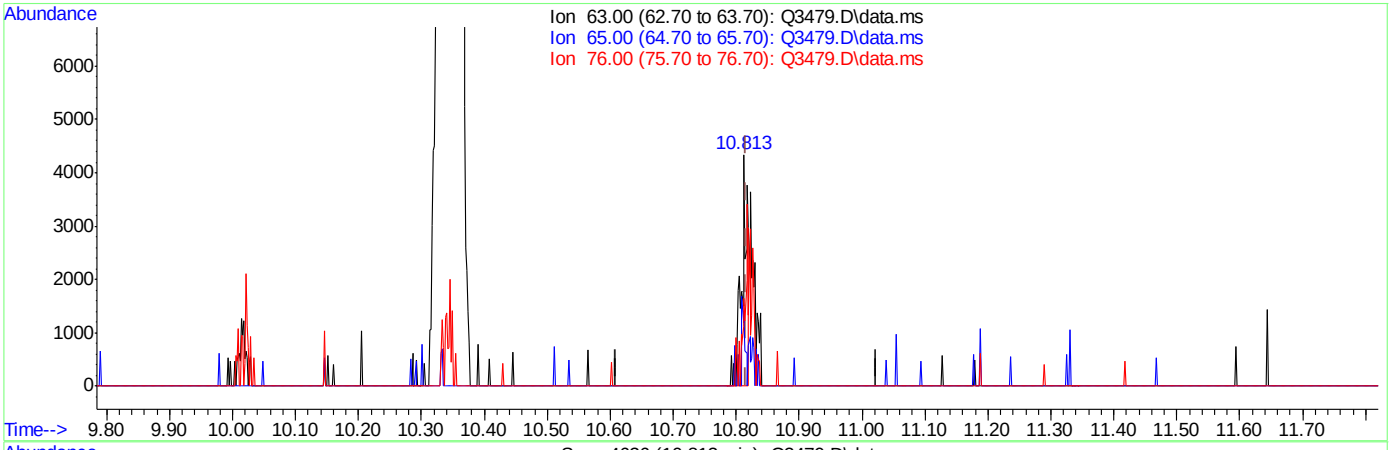
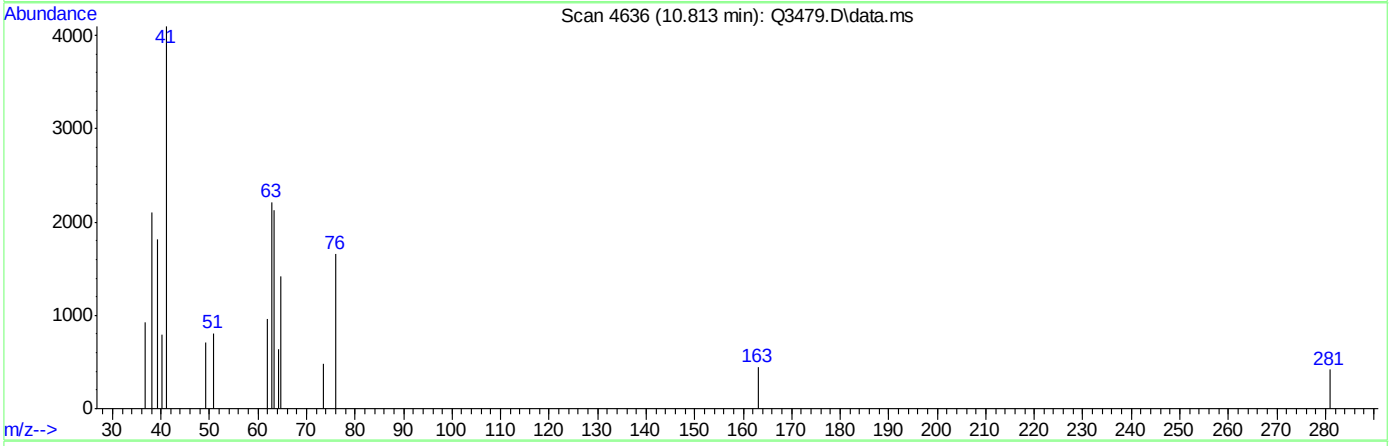




TIC: Q3479.D\data.ms

(39) 1,2-DICHLOROPROPANE (m)

10.813min (-0.003) 0.30PPBV

response 2999

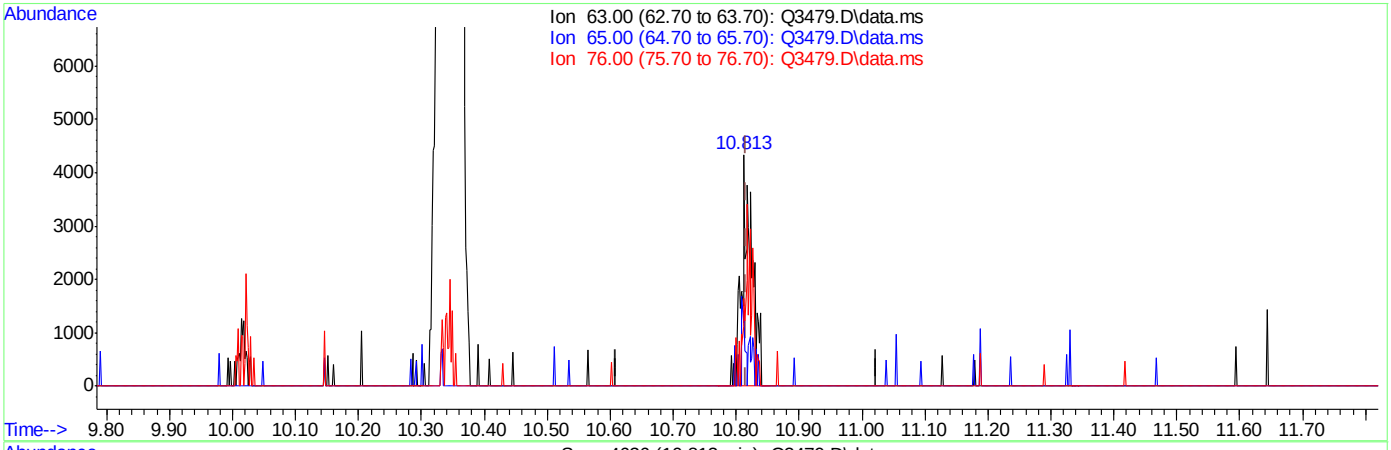
Ion	Exp%	Act%
63.00	100	100
65.00	30.30	42.38
76.00	92.00	58.15#
0.00	0.00	0.00

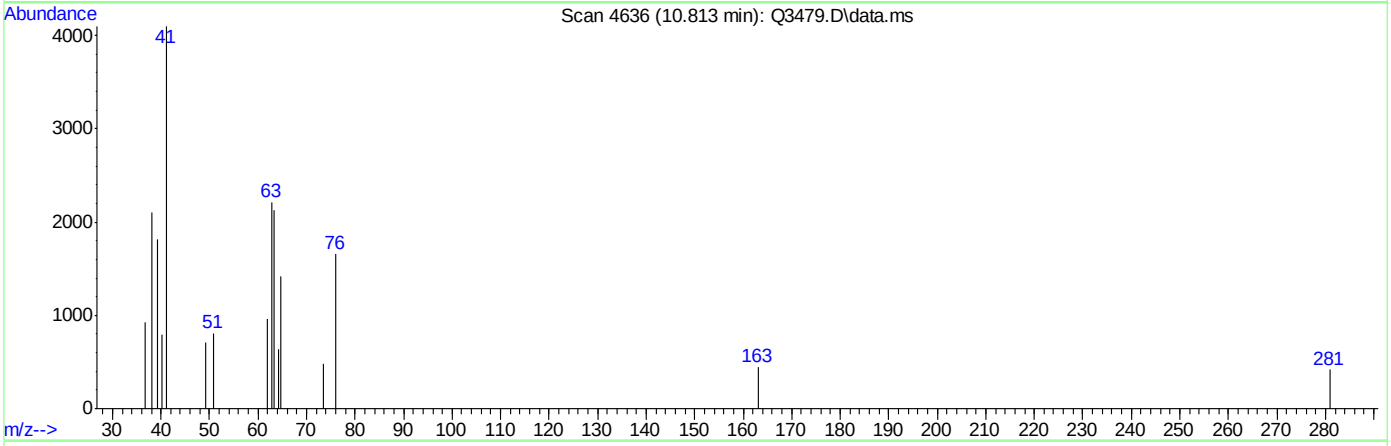
ACCUTEST Laboratories M64940

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3479.D
Acq On : 21 May 2007 9:00 pm
Operator : PhilipB
Sample : IC189-.5 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:21:59 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:21:54 2007
Response via : Initial Calibration





TIC: Q3479.D\data.ms

(39) 1,2-DICHLOROPROPANE (m)

10.813min (-0.003) 0.51PPBV m

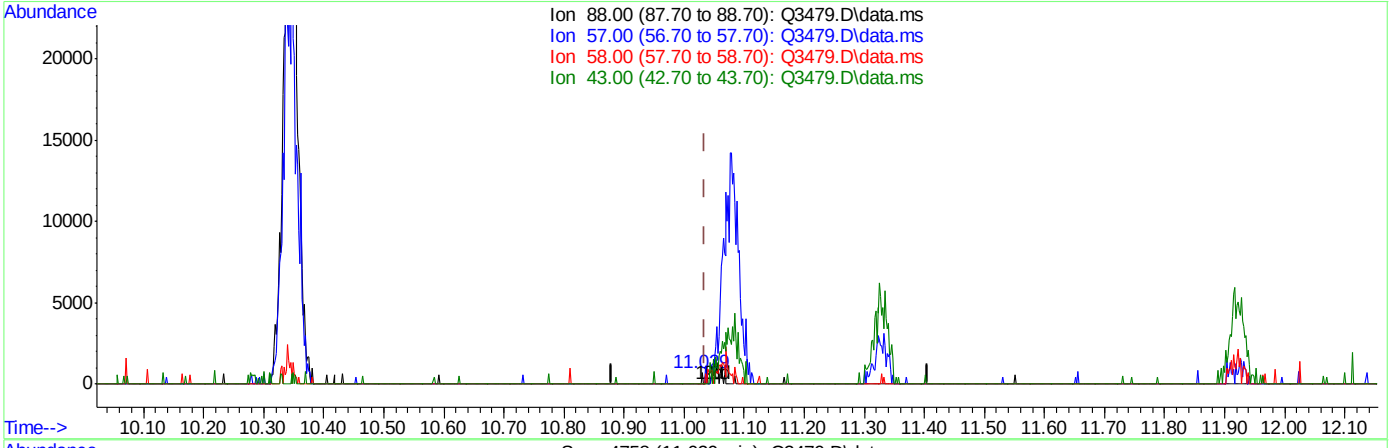
response 5084

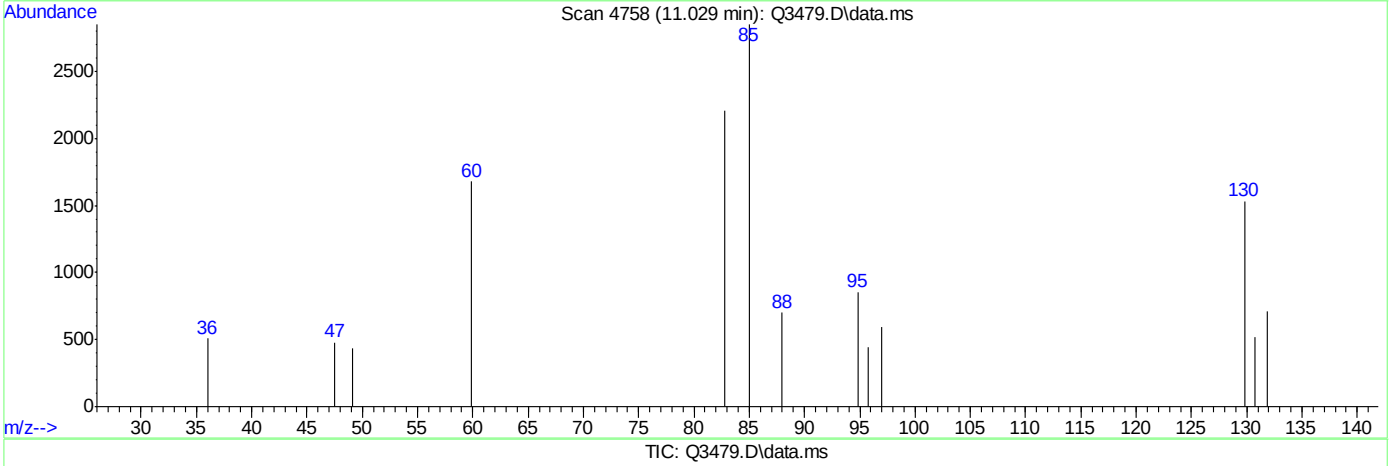
Ion	Exp%	Act%
63.00	100	100
65.00	30.30	25.00
76.00	92.00	34.30#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3479.D
Acq On : 21 May 2007 9:00 pm
Operator : PhilipB
Sample : IC189-.5 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:21:59 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:21:54 2007
Response via : Initial Calibration





TIC: Q3479.D\data.ms

(42) 1,4-DIOXANE (m)

11.029min (-0.005) 0.01PPBV

response 75

Ion	Exp%	Act%
88.00	100	100
57.00	23.90	0.00#
58.00	54.80	0.00#
43.00	32.10	0.00#

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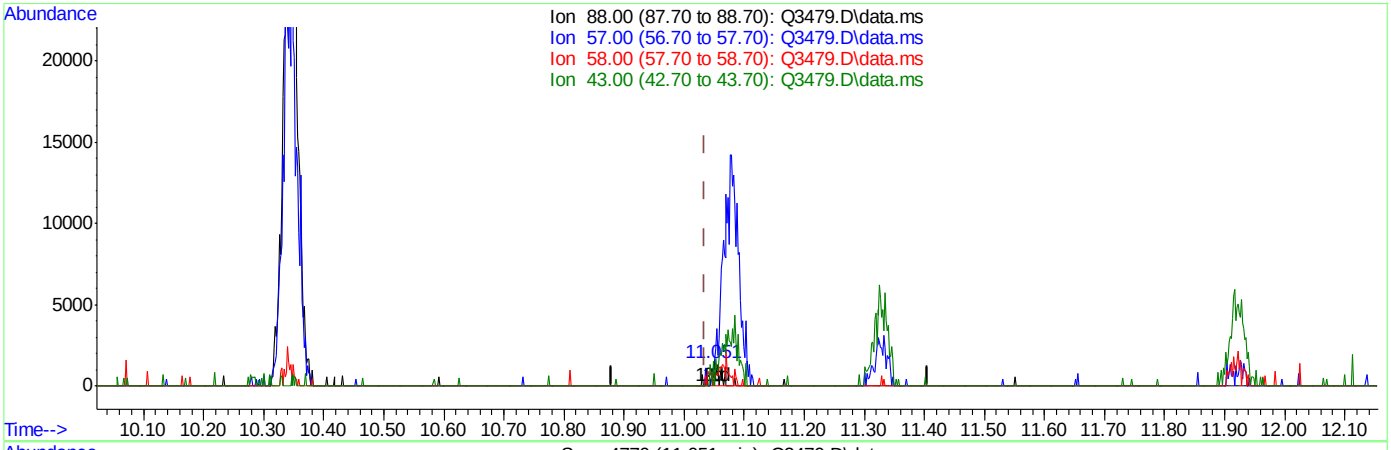
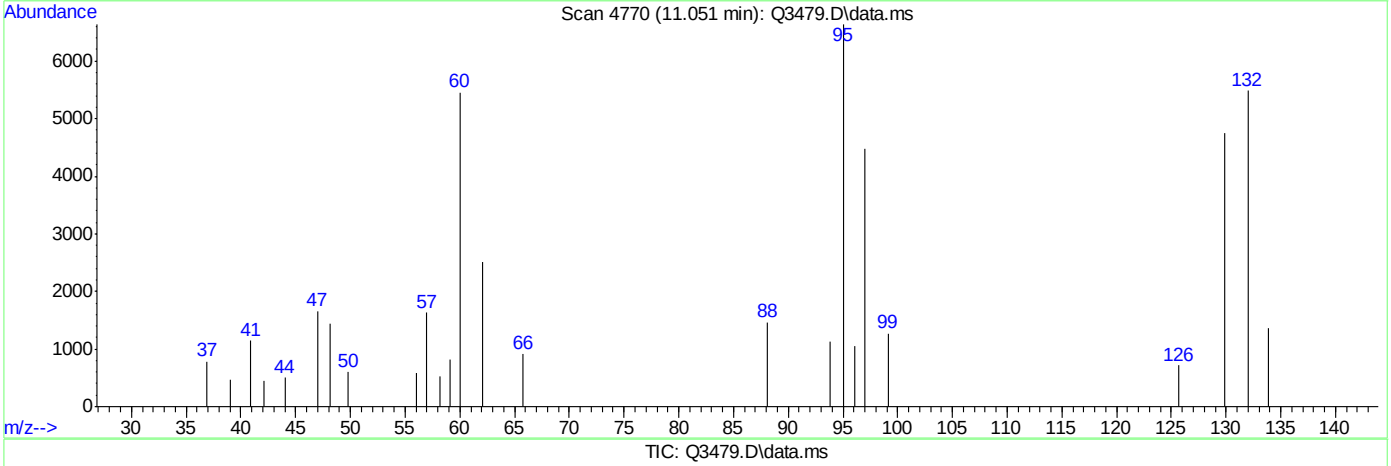
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3479.D
Acq On : 21 May 2007 9:00 pm
Operator : PhilipB
Sample : IC189-.5 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:21:59 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:21:54 2007
Response via : Initial Calibration





TIC: Q3479.D\data.ms

(42) 1,4-DIOXANE (m)

11.051min (+0.016) 0.27PPBV m

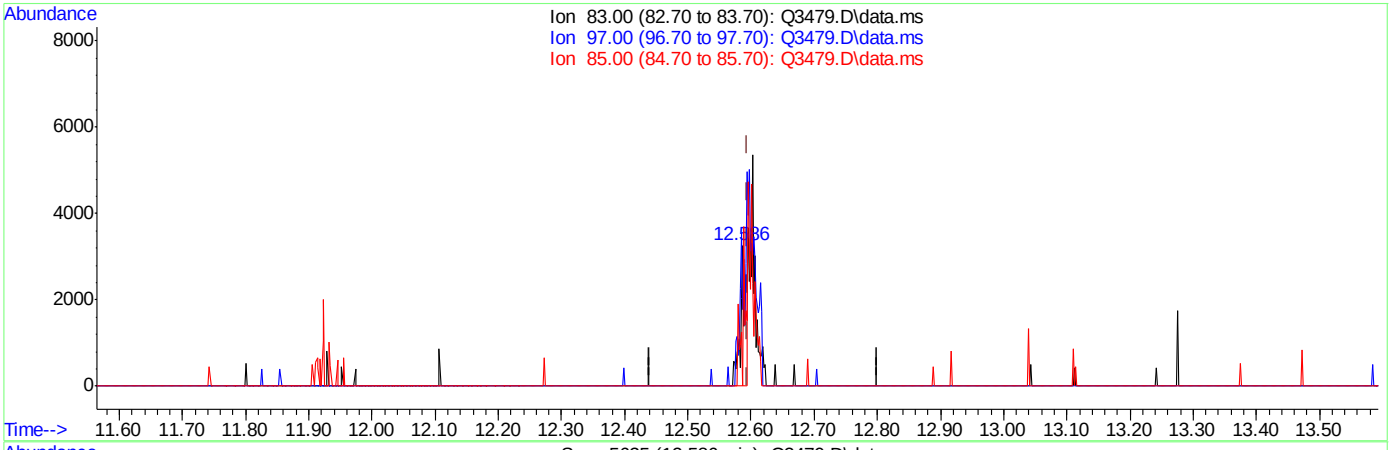
response 1388

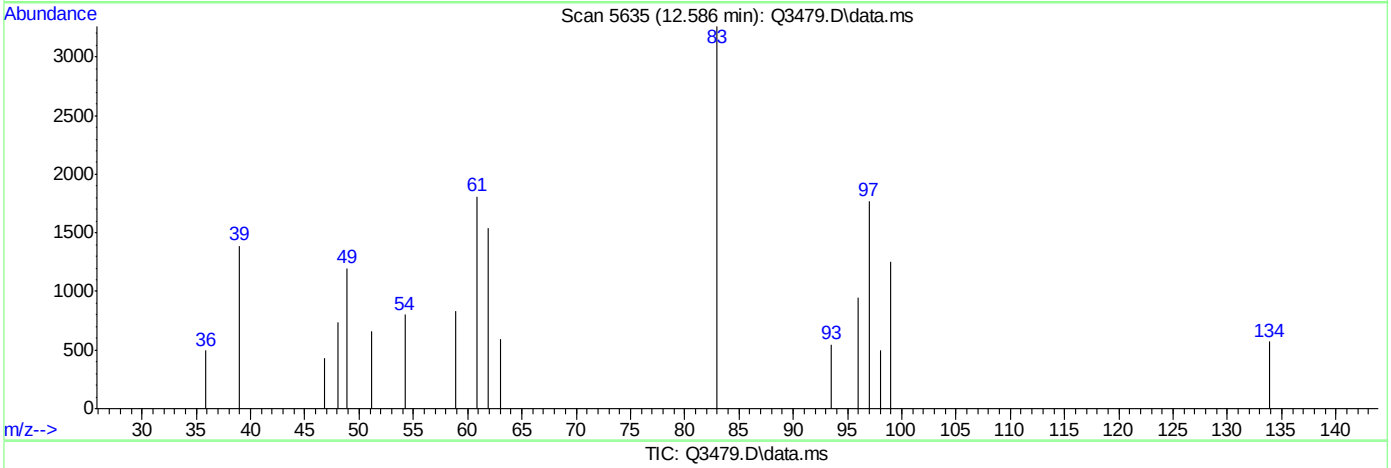
Ion	Exp%	Act%
88.00	100	100
57.00	23.90	111.84#
58.00	54.80	36.41
43.00	32.10	0.00#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3479.D
Acq On : 21 May 2007 9:00 pm
Operator : PhilipB
Sample : IC189-.5 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:21:59 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:21:54 2007
Response via : Initial Calibration





TIC: Q3479.D\data.ms

(48) 1,1,2-TRICHLOROETHANE (m)

12.586min (-0.009) 0.15PPBV

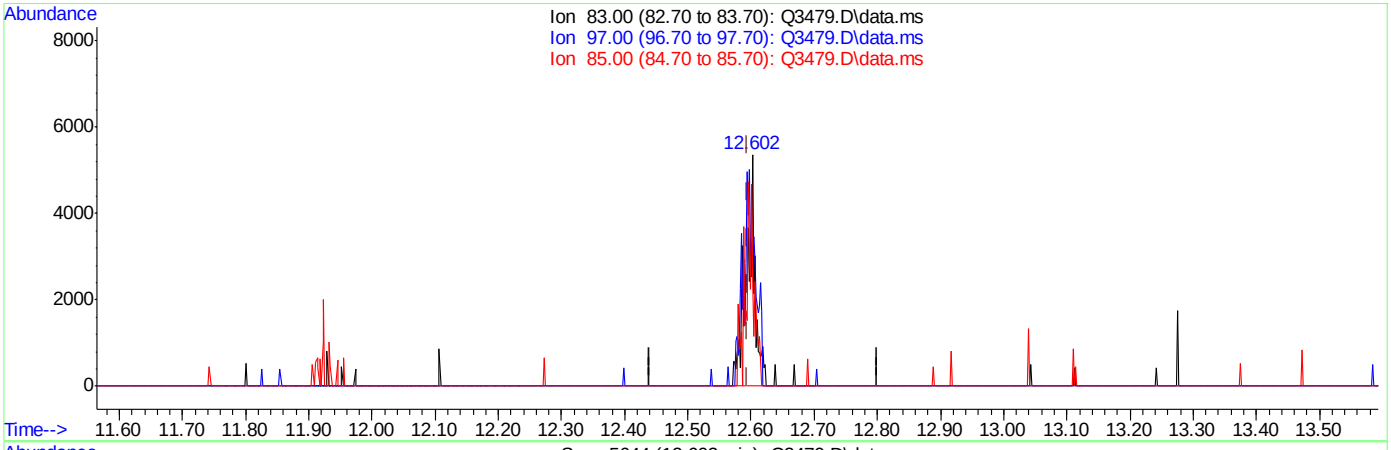
response 1924

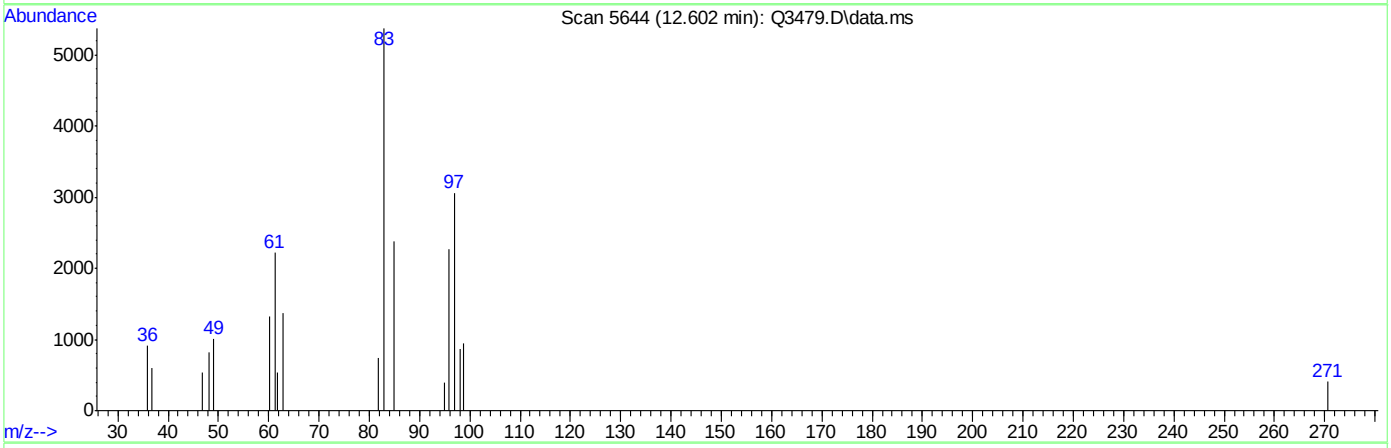
Ion	Exp%	Act%
83.00	100	100
97.00	121.10	0.00#
85.00	65.40	27.34#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3479.D
Acq On : 21 May 2007 9:00 pm
Operator : PhilipB
Sample : IC189-.5 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:21:59 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:21:54 2007
Response via : Initial Calibration





TIC: Q3479.D\data.ms

(48) 1,1,2-TRICHLOROETHANE (m)

12.602min (+0.007) 0.42PPBV m

response 5210

Ion	Exp%	Act%
83.00	100	100
97.00	121.10	0.00#
85.00	65.40	10.10#
0.00	0.00	0.00

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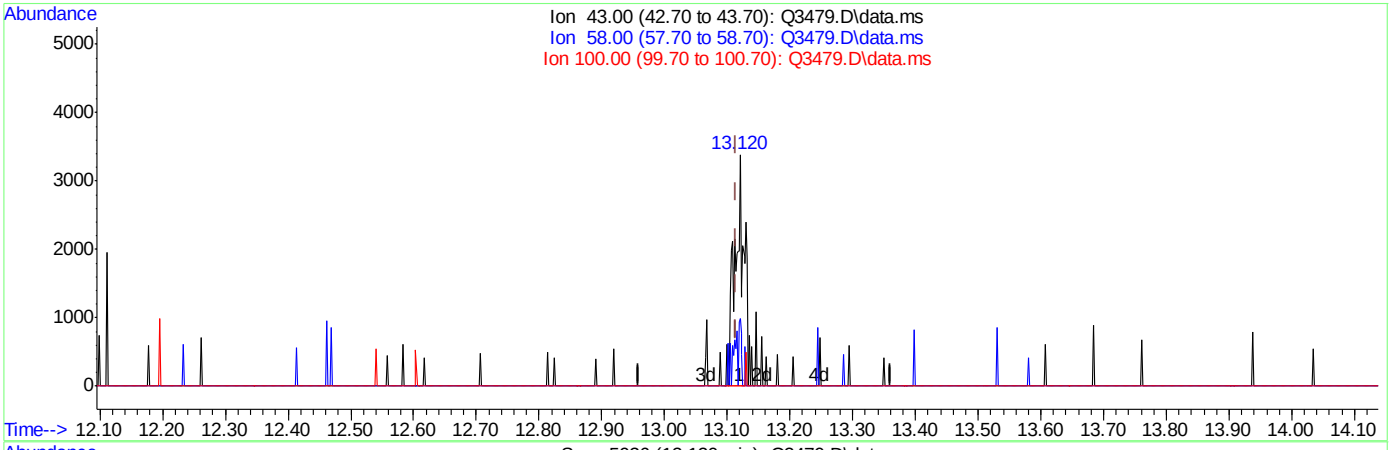
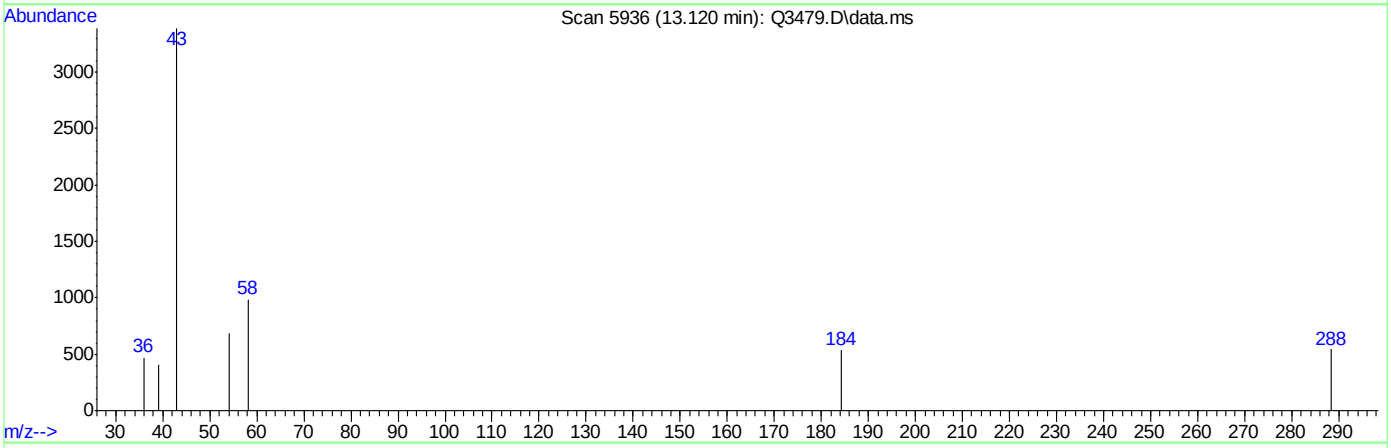
Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3479.D
Acq On    : 21 May 2007   9:00 pm
Operator  : PhilipB
Sample    : IC189-.5 (M044)
Misc      : MS13602,MSQ189,,,,,1
ALS Vial  : 4   Sample Multiplier: 1

Quant Time: May 22 09:21:59 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:21:54 2007
Response via : Initial Calibration
```



TIC: Q3479.D\data.ms

(50) 2-HEXANONE (m)

13.120min (+0.005) 0.16PPBV

response 3596

Ion	Exp%	Act%
43.00	100	100
58.00	40.40	11.15#
100.00	8.40	1.47
0.00	0.00	0.00

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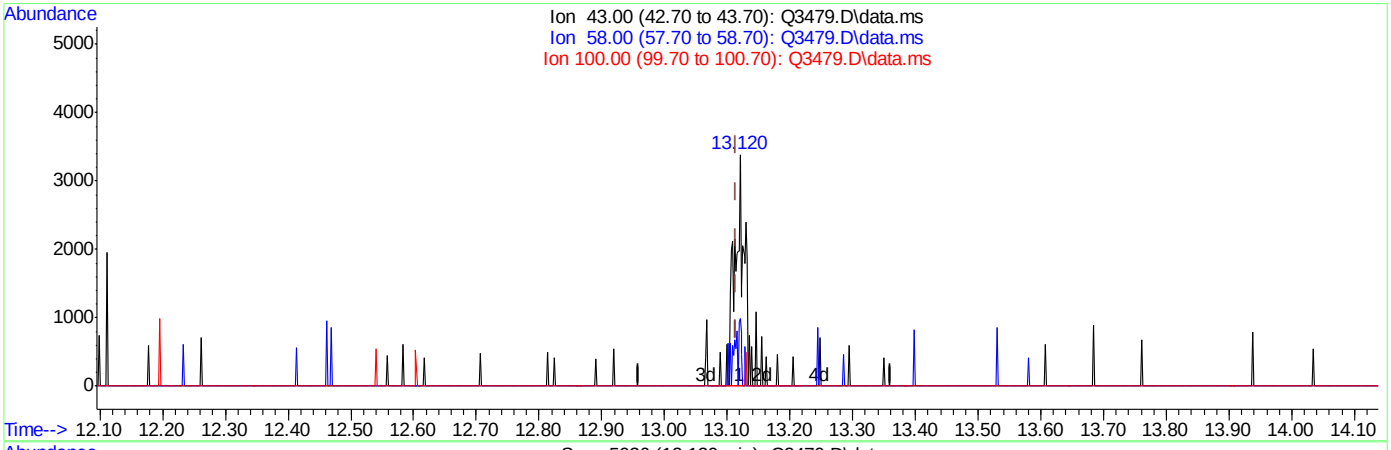
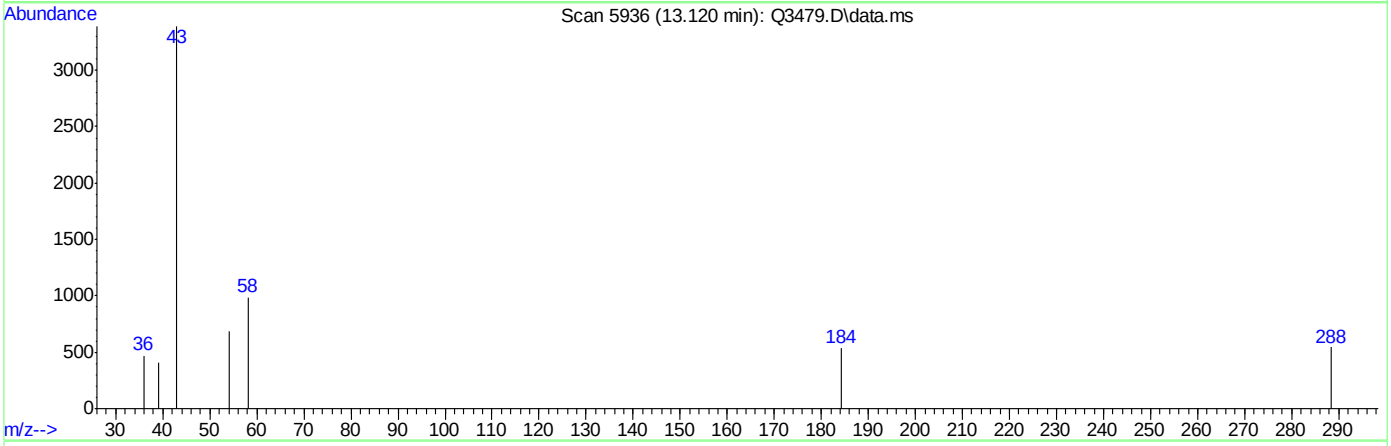
Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3479.D
Acq On    : 21 May 2007   9:00 pm
Operator  : PhilipB
Sample    : IC189-.5 (M044)
Misc      : MS13602,MSQ189,,,,,1
ALS Vial  : 4   Sample Multiplier: 1

Quant Time: May 22 09:21:59 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:21:54 2007
Response via : Initial Calibration
```



TIC: Q3479.D\data.ms

(50) 2-HEXANONE (m)

13.120min (+0.005) 0.18PPBV m

response 4045

Ion	Exp%	Act%
43.00	100	100
58.00	40.40	9.91#
100.00	8.40	1.31
0.00	0.00	0.00

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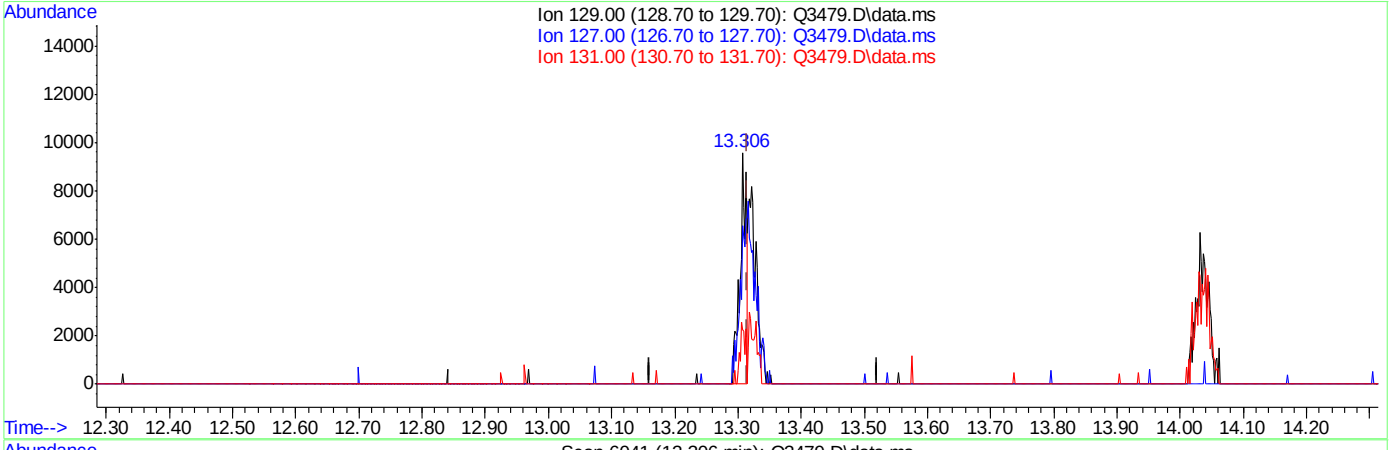
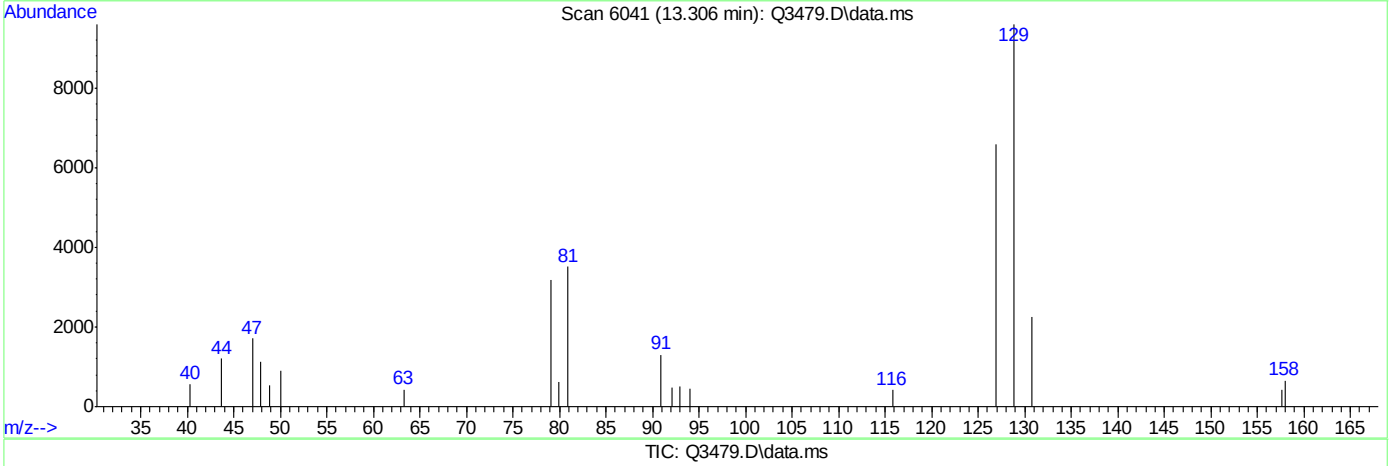
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3479.D
Acq On : 21 May 2007 9:00 pm
Operator : PhilipB
Sample : IC189-.5 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:21:59 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:21:54 2007
Response via : Initial Calibration





(52) DIBROMOCHLOROMETHANE (m)

13.306min (-0.009) 0.19PPBV

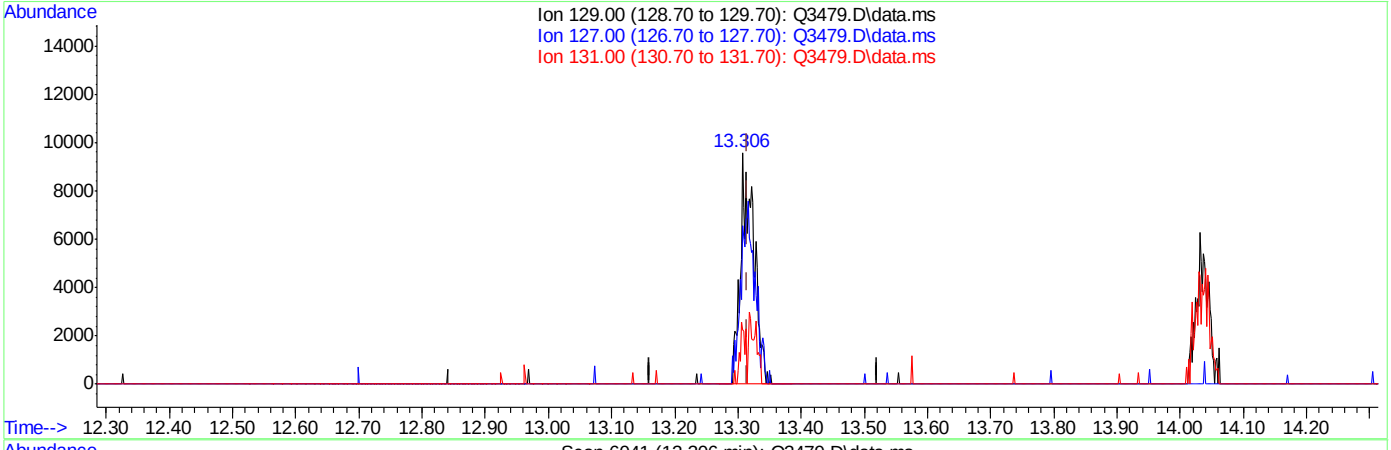
response 6667

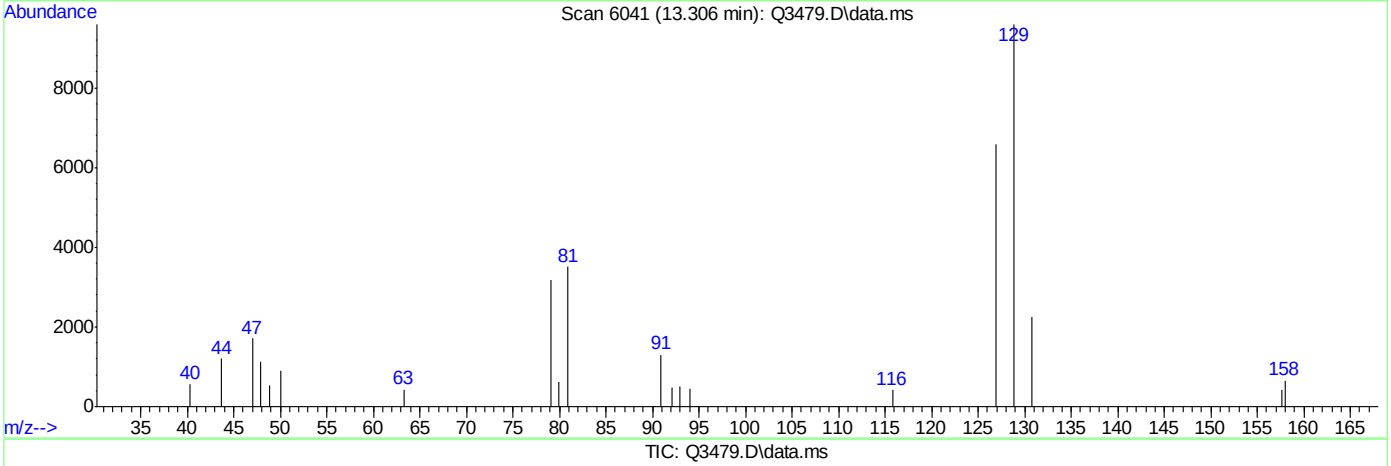
Ion	Exp%	Act%
129.00	100	100
127.00	78.00	0.00#
131.00	25.60	22.06
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3479.D
Acq On : 21 May 2007 9:00 pm
Operator : PhilipB
Sample : IC189-.5 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:21:59 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:21:54 2007
Response via : Initial Calibration





(52) DIBROMOCHLOROMETHANE (m)

13.306min (-0.009) 0.41PPBV m

response 14101

Ion	Exp%	Act%
129.00	100	100
127.00	78.00	0.00#
131.00	25.60	10.43
0.00	0.00	0.00

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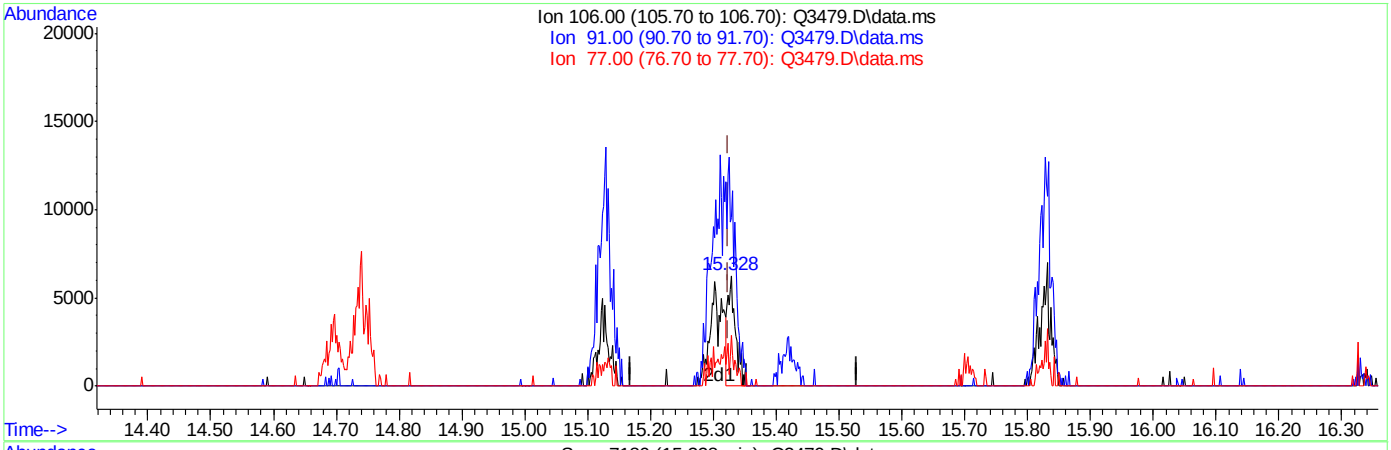
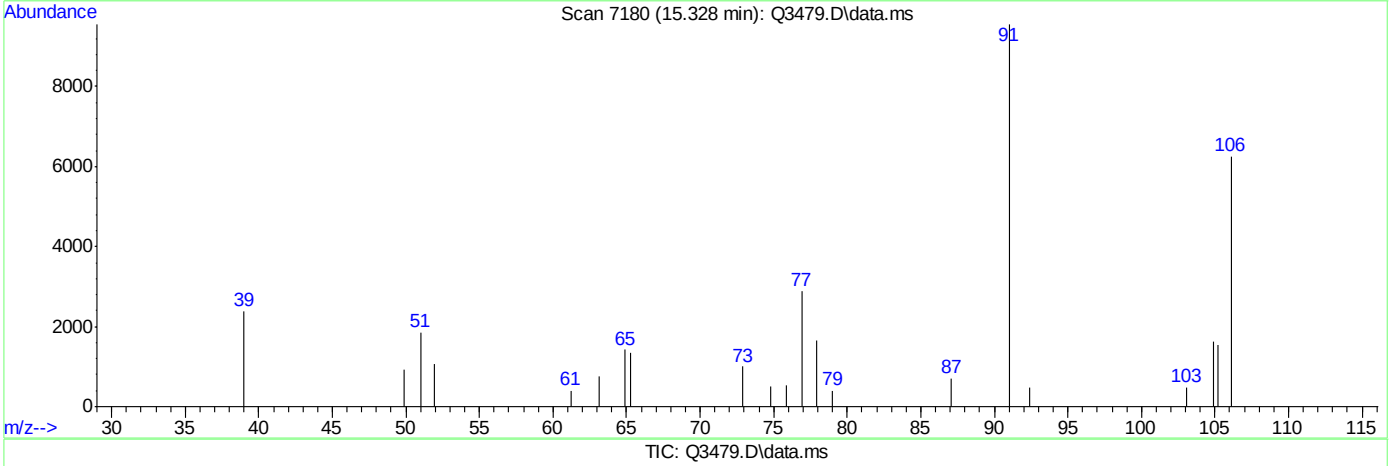
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3479.D
Acq On : 21 May 2007 9:00 pm
Operator : PhilipB
Sample : IC189-.5 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:21:59 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:21:54 2007
Response via : Initial Calibration





TIC: Q3479.D\data.ms

(56) m,p-XYLENE (m)

15.328min (+0.004) 0.28PPBV

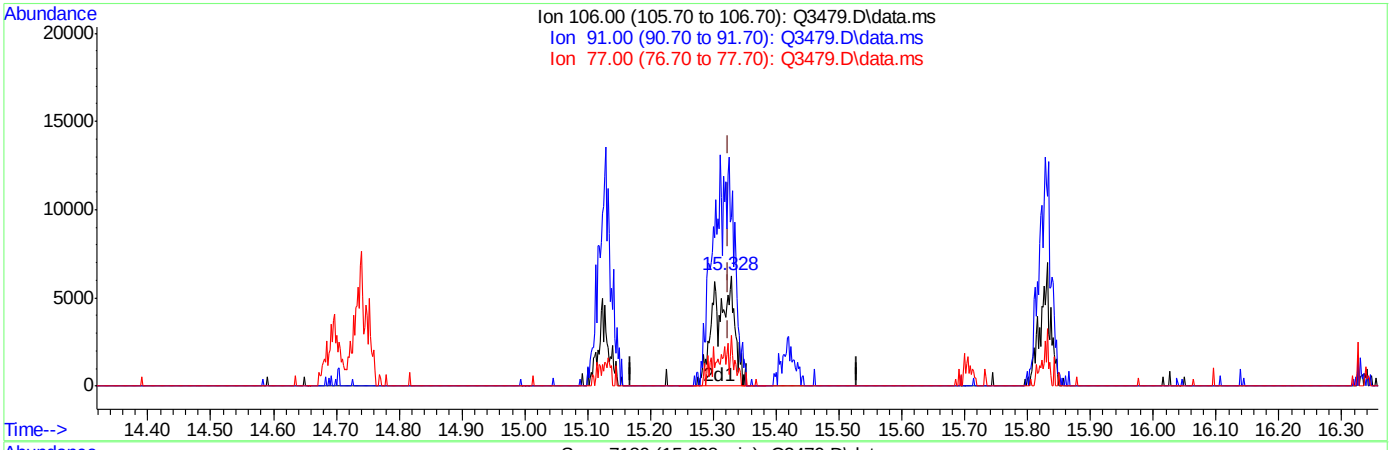
response 5501

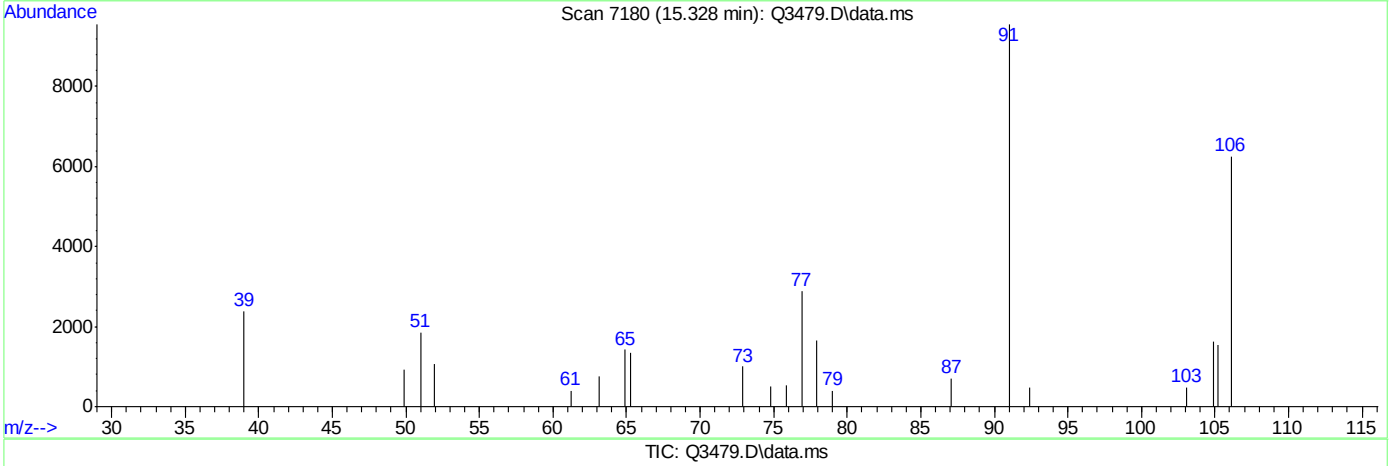
Ion	Exp%	Act%
106.00	100	100
91.00	204.20	152.59#
77.00	30.60	46.17#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3479.D
Acq On : 21 May 2007 9:00 pm
Operator : PhilipB
Sample : IC189-.5 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:21:59 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:21:54 2007
Response via : Initial Calibration





TIC: Q3479.D\data.ms

(56) m,p-XYLENE (m)

15.328min (+0.004) 0.70PPBV m

response 13556

Ion	Exp%	Act%
106.00	100	100
91.00	204.20	152.59#
77.00	30.60	46.17#
0.00	0.00	0.00

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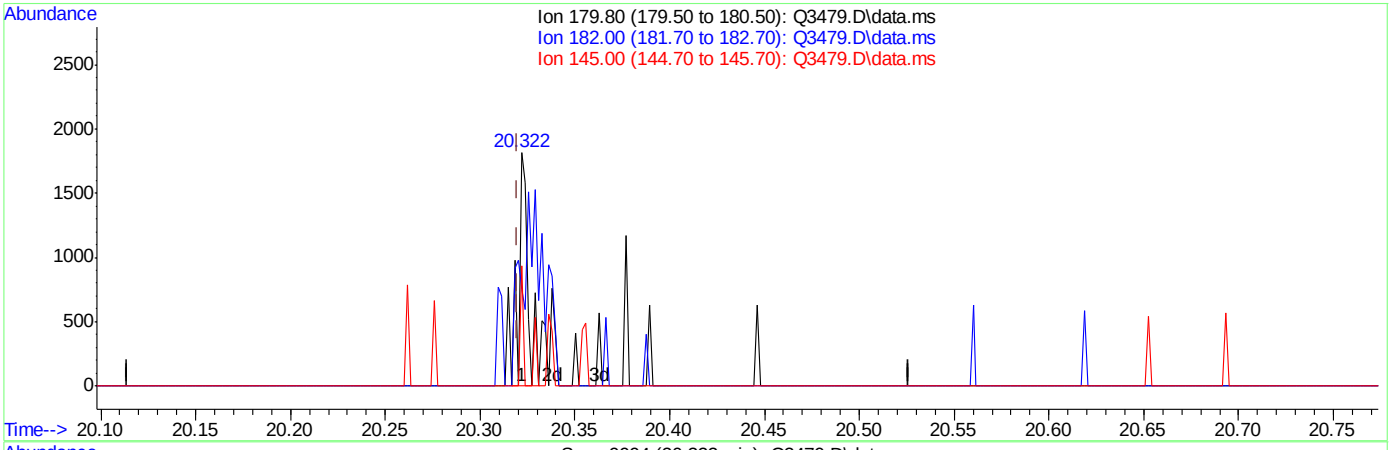
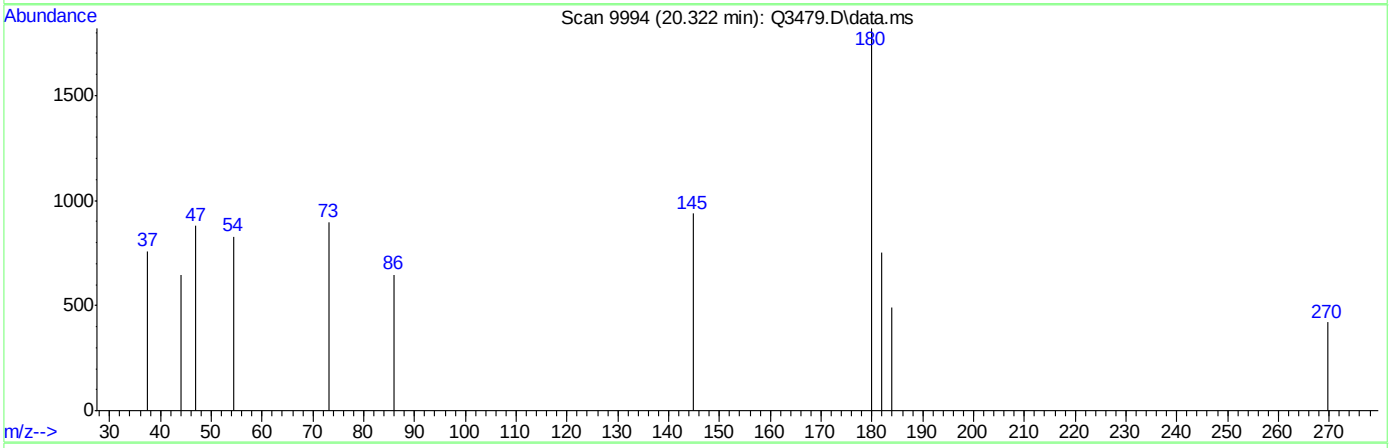
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3479.D
Acq On : 21 May 2007 9:00 pm
Operator : PhilipB
Sample : IC189-.5 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:21:59 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:21:54 2007
Response via : Initial Calibration





TIC: Q3479.D\data.ms

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

20.322min (+0.002) 0.15PPBV

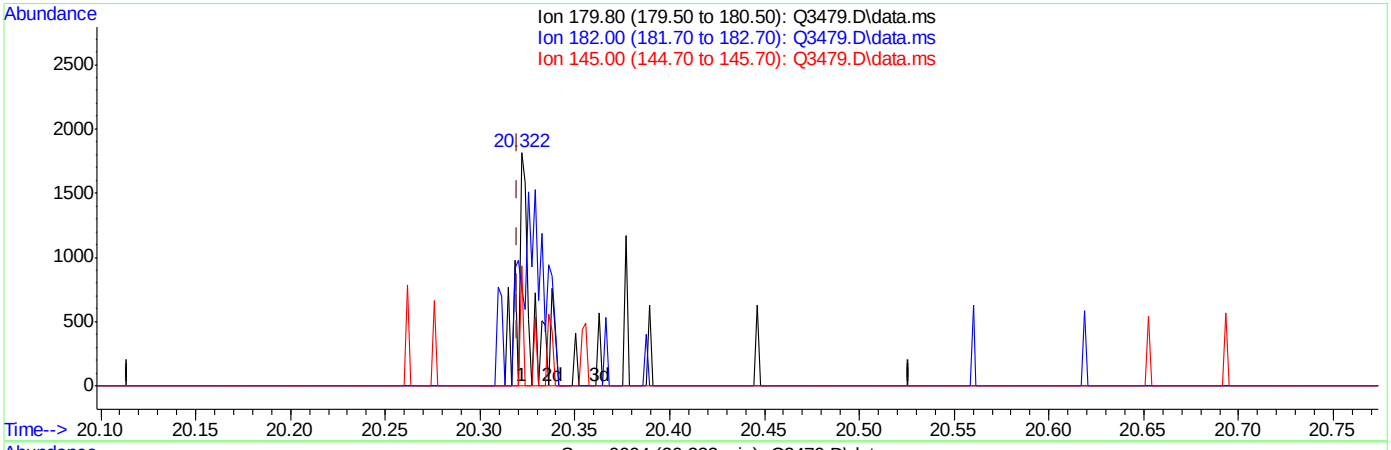
response 598

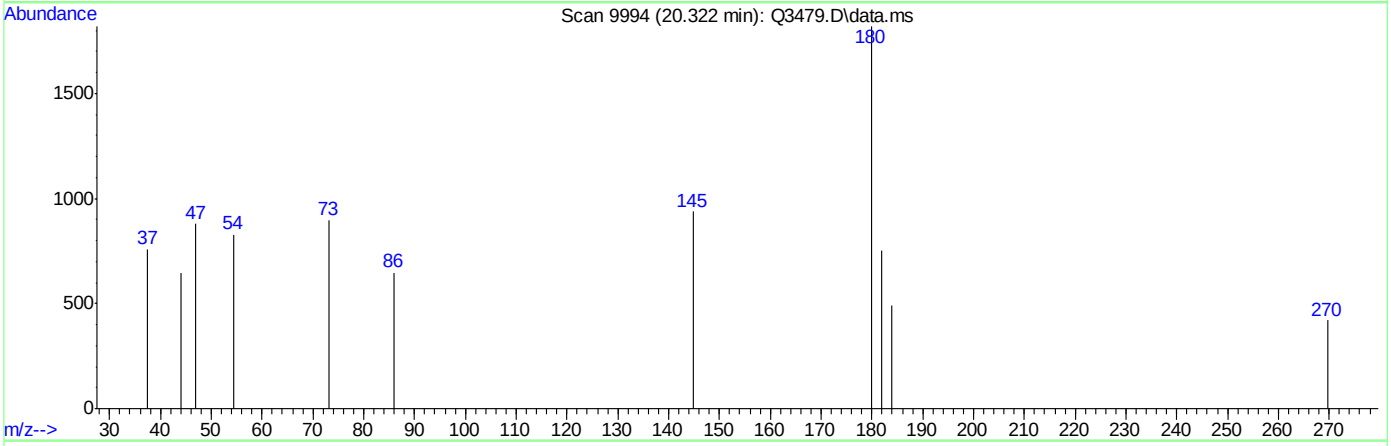
Ion	Exp%	Act%
179.80	100	100
182.00	91.20	26.09#
145.00	35.30	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3479.D
Acq On : 21 May 2007 9:00 pm
Operator : PhilipB
Sample : IC189-.5 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:21:59 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:21:54 2007
Response via : Initial Calibration





TIC: Q3479.D\data.ms

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

20.322min (+0.002) 0.22PPBV m

response 908

Ion	Exp%	Act%
179.80	100	100
182.00	91.20	17.18#
145.00	35.30	0.00#
0.00	0.00	0.00

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Q3480.D

Manual Integrations APPROVED (compounds with "m" flag)

Doug Yargeau 05/23/07 16:02

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:31:07 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.426	128	48618	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.346	114	225306	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.698	117	206831	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.336	95	78406	4.95	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 99.00%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	3.605	85	7882	0.19	PPBV	76
4) FREON 114	3.868	85	7160	0.19	PPBV #	100
5) CHLOROMETHANE	3.765	50	2200	0.25	PPBV	97
6) VINYL CHLORIDE	3.989	62	1801	0.20	PPBV #	47
7) 1,3-BUTADIENE	4.127	39	2197	0.22	PPBV #	100
8) BROMOMETHANE	4.401	94	2892m	0.27	PPBV	
9) CHLOROETHANE	4.594	64	1343m	0.31	PPBV	
10) TRICHLOROFLUOROMETHANE	5.398	101	14660	0.25	PPBV #	100
11) ISOPROPYL ALCOHOL	5.464	45	7493	0.42	PPBV	69
12) ACETONE	5.212	43	8524	0.41	PPBV	92
13) PENTANE	5.767	42	3465	0.33	PPBV #	100
14) 1,1-DICHLOROETHYLENE	6.074	96	3003	0.24	PPBV #	18
15) CARBON DISULFIDE	6.528	76	8215m	0.26	PPBV	
17) BROMOETHENE	4.958	106	2599	0.22	PPBV #	100
18) METHYLENE CHLORIDE	6.200	84	9596	0.78	PPBV #	1
19) 3-CHLOROPROPENE	6.333	39	5194m	0.32	PPBV	
20) FREON 113	6.473	151	11185m	0.30	PPBV	
21) TRANS-1,2-DICHLOROETHY...	7.196	96	3173	0.26	PPBV #	100
22) TERTIARY BUTYL ALCOHOL	6.103	59	7161m	0.31	PPBV	
23) METHYL TERTIARY BUTYL ...	7.462	73	6844	0.25	PPBV #	100
26) VINYL ACETATE	7.533	43	2507m	0.11	PPBV	
27) 1,1-DICHLOROETHANE	7.398	63	6578	0.31	PPBV #	100
29) cis-1,2-DICHLOROETHYLENE	8.271	96	972m	0.14	PPBV	
31) CHLOROFORM	8.561	83	4772m	0.21	PPBV	
32) 1,1,1-TRICHLOROETHANE	9.546	97	5925m	0.23	PPBV	
33) CARBON TETRACHLORIDE	10.169	117	5447	0.18	PPBV	94
34) 1,2-DICHLOROETHANE	9.304	62	2936	0.19	PPBV	99
36) BENZENE	10.007	78	3853	0.20	PPBV	79
38) TRICHLOROETHYLENE	11.061	95	1958	0.16	PPBV #	8
39) 1,2-DICHLOROPROPANE	10.820	63	756	0.11	PPBV #	34
40) BROMODICHLOROMETHANE	11.010	83	3971	0.17	PPBV #	42
41) 2,2,4-TRIMETHYLPENTANE	11.081	57	5400m	0.17	PPBV	
43) HEPTANE	11.320	43	1423m	0.11	PPBV	
46) TOLUENE	12.877	92	1333m	0.10	PPBV	
48) 1,1,2-TRICHLOROETHANE	12.584	83	1143m	0.14	PPBV	
51) TETRACHLOROETHYLENE	14.030	164	1724m	0.17	PPBV	
52) DIBROMOCHLOROMETHANE	13.312	129	3752m	0.16	PPBV	
53) 1,2-DIBROMOETHANE	13.573	107	1447m	0.08	PPBV	
62) 1,1,2,2-TETRACHLOROETHANE	15.818	83	5486m	0.24	PPBV	
63) ISOPROPYLBENZENE	16.474	105	5224	0.14	PPBV	74
64) 2-CHLOROTOLUENE	17.030	91	3006m	0.11	PPBV	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:31:07 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration

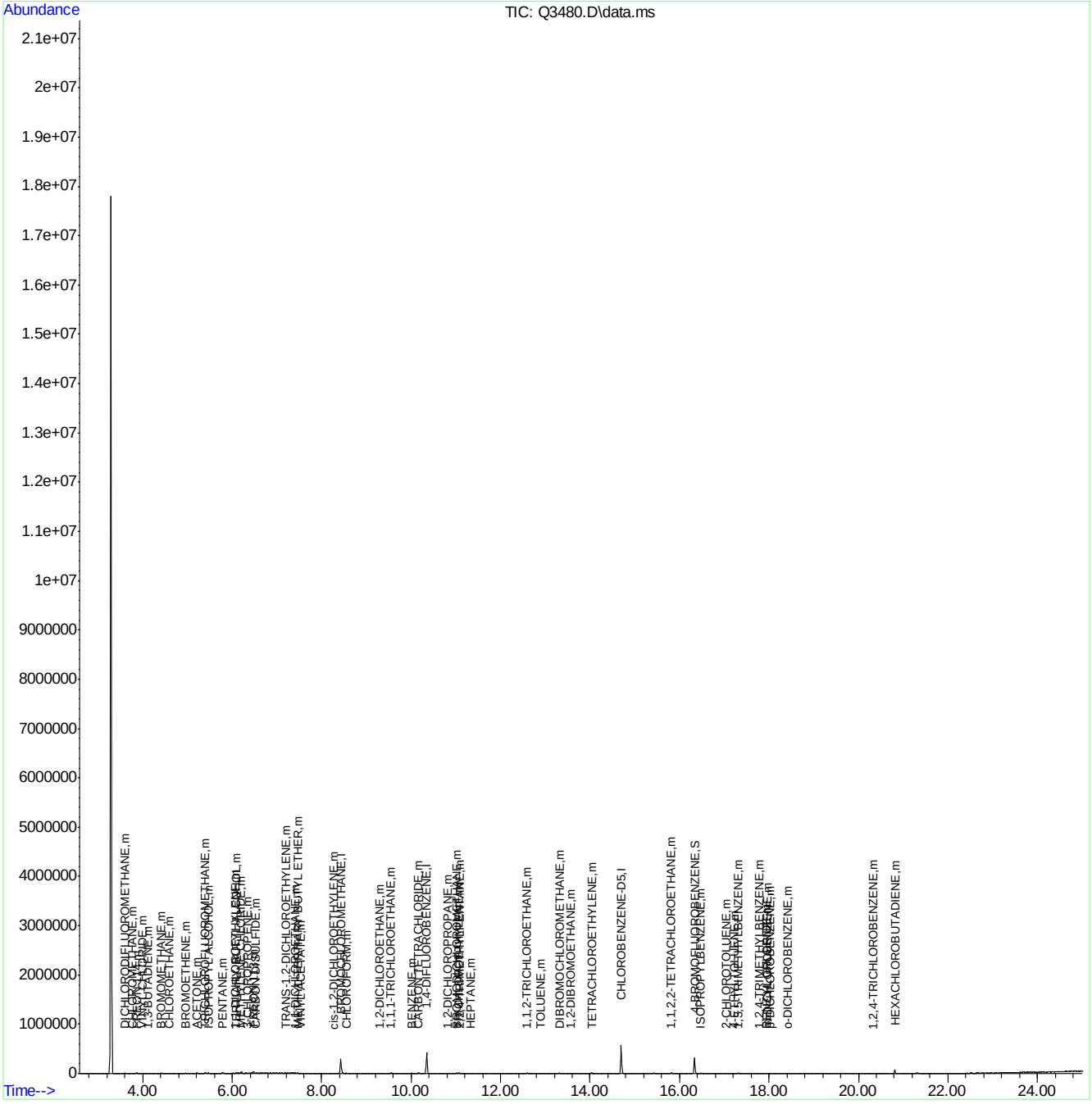
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) 4-ETHYLTOLUENE	17.223	105	2006m	0.06	PPBV	
66) 1,3,5-TRIMETHYLBENZENE	17.308	105	2777	0.09	PPBV	83
67) 1,2,4-TRIMETHYLBENZENE	17.775	105	1781	0.06	PPBV #	88
68) m-DICHLOROBENZENE	17.960	146	685m	0.04	PPBV	
69) BENZYL CHLORIDE	17.937	91	813m	0.05	PPBV	
70) p-DICHLOROBENZENE	18.034	146	514m	0.03	PPBV	
71) o-DICHLOROBENZENE	18.418	146	1598m	0.10	PPBV	
72) HEXACHLOROBUTADIENE	20.808	225	7747	0.92	PPBV	92
73) 1,2,4-TRICHLOROBENZENE	20.326	180	285m	0.10	PPBV	

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

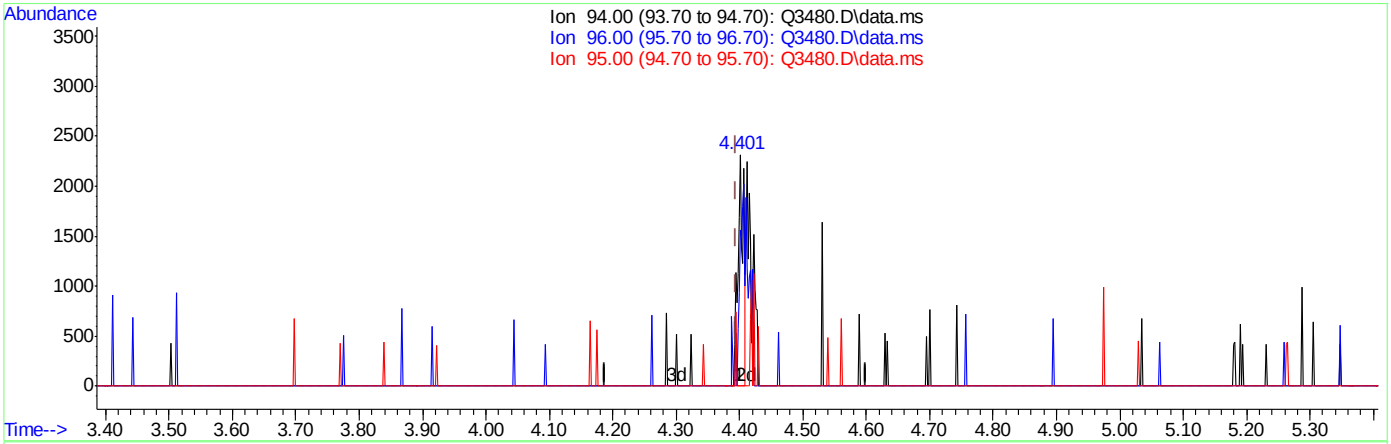
Quant Time: May 22 09:31:07 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration

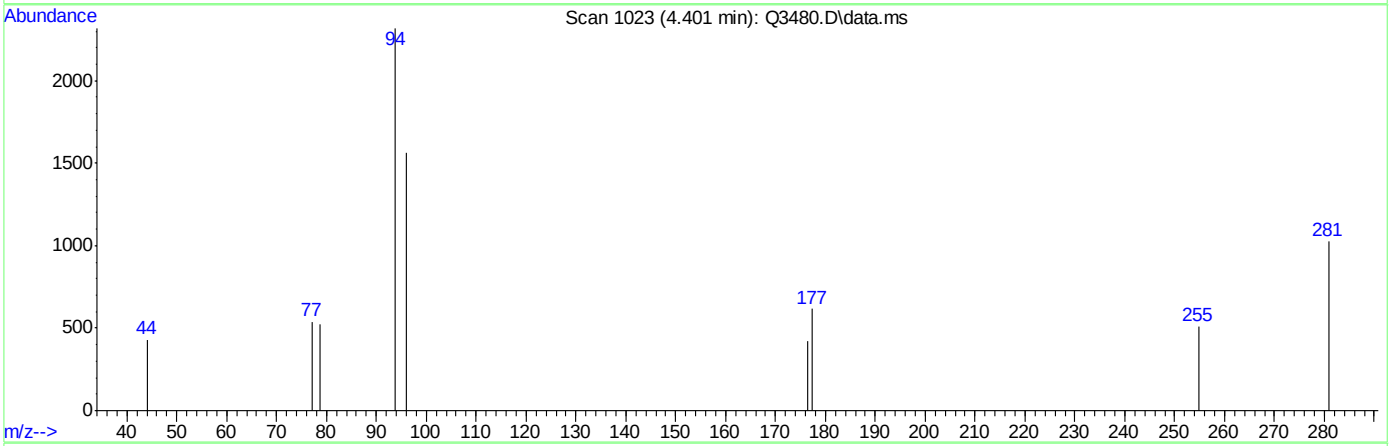


Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On    : 21 May 2007   9:43 pm
Operator  : PhilipB
Sample    : IC189-.2 (M044)
Misc      : MS13602,MSQ189,,,,,1
ALS Vial  : 4   Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration
```



TIC: Q3480.D\data.ms

(8) BROMOMETHANE (m)

4.401min (+0.006) 0.14PPBV

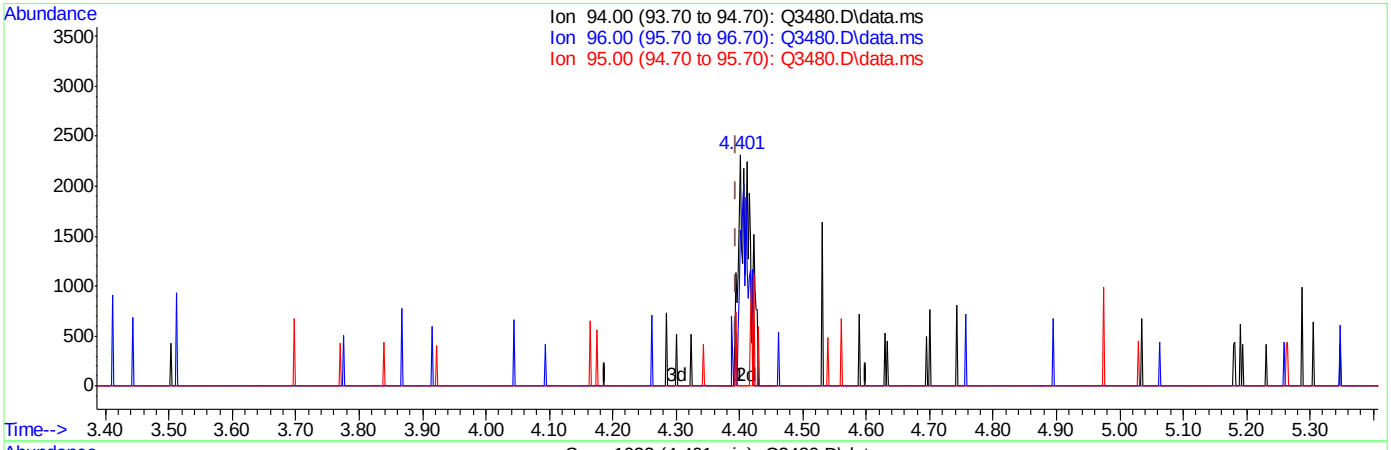
response 1429

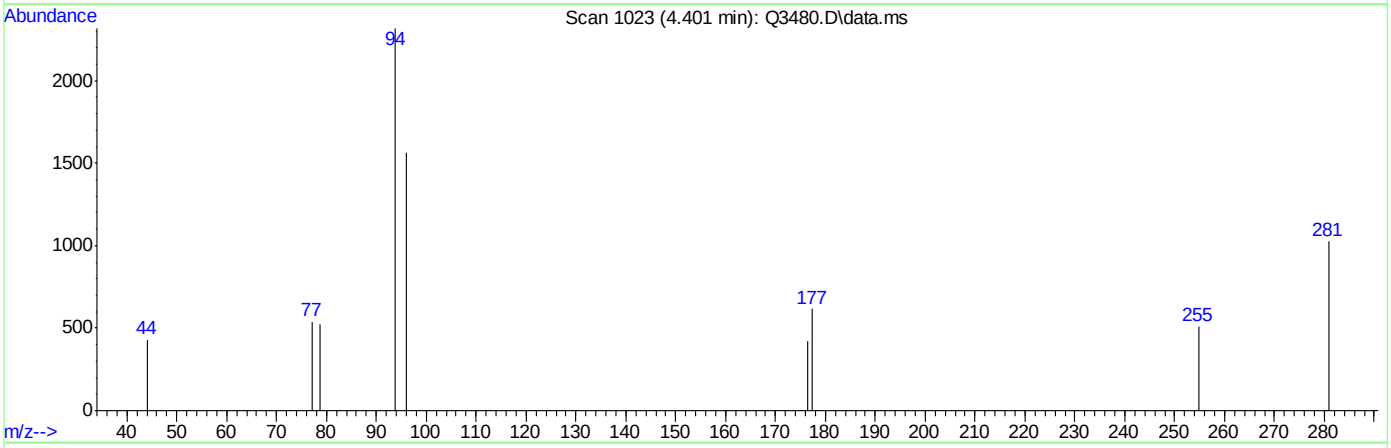
Ion	Exp%	Act%
94.00	100	100
96.00	0.00	0.00
95.00	0.00	5.53
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On    : 21 May 2007   9:43 pm
Operator  : PhilipB
Sample    : IC189-.2 (M044)
Misc      : MS13602,MSQ189,,,,,1
ALS Vial  : 4   Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration
```



TIC: Q3480.D\data.ms

(8) BROMOMETHANE (m)

4.401min (+0.006) 0.27PPBV m

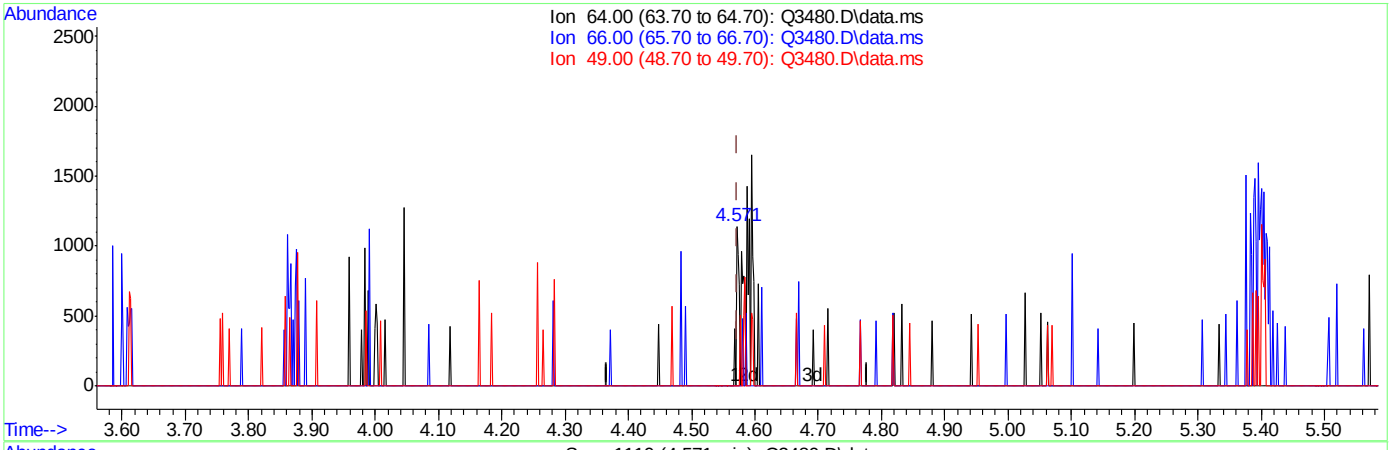
response 2892

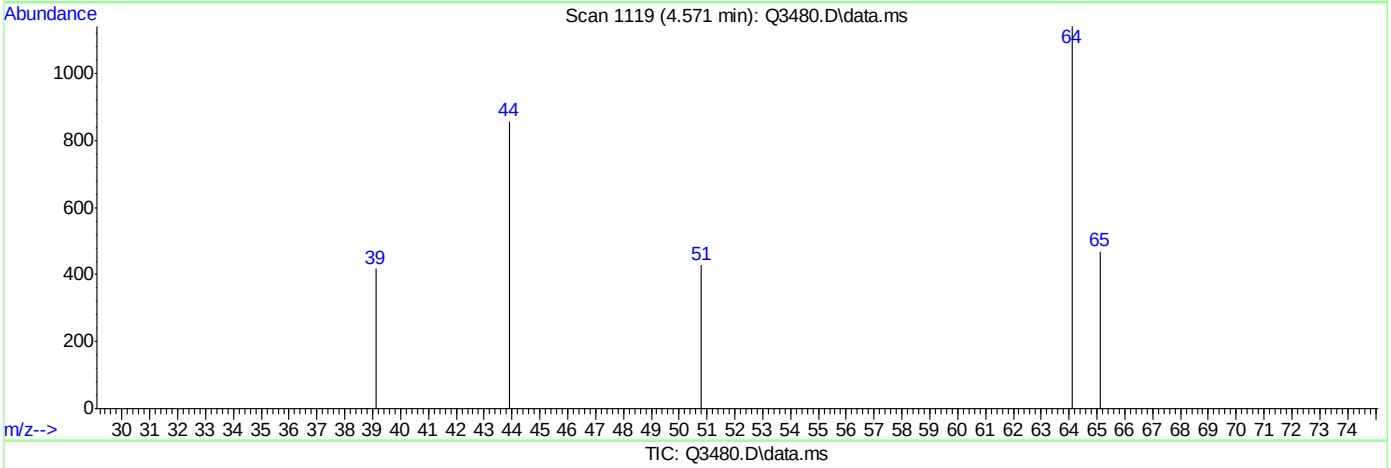
Ion	Exp%	Act%
94.00	100	100
96.00	0.00	0.00
95.00	0.00	2.73
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





TIC: Q3480.D\data.ms

(9) CHLOROETHANE (m)

4.571min (-0.002) 0.16PPBV

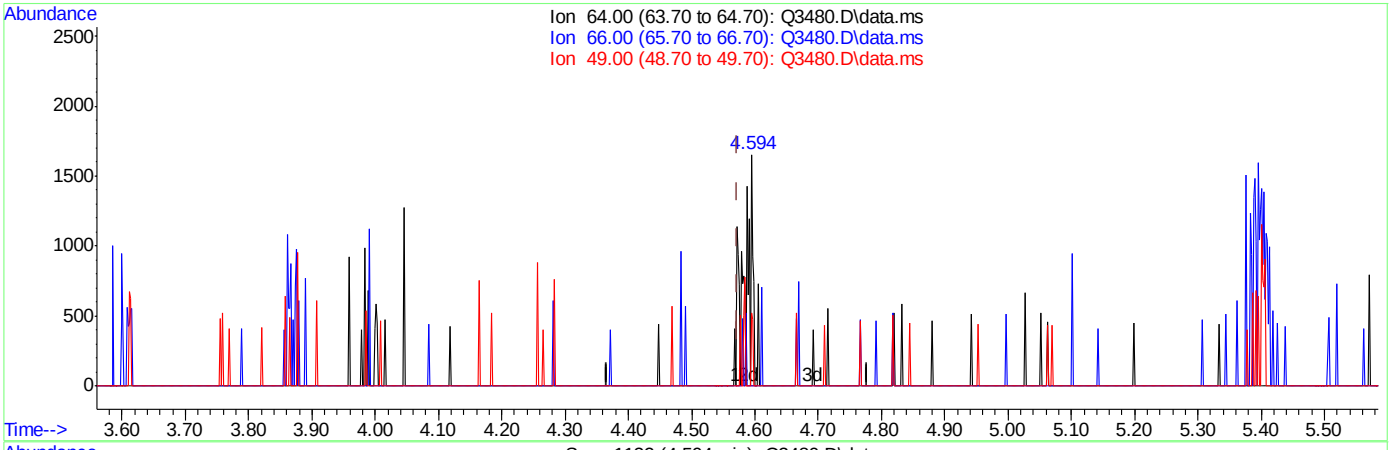
response 683

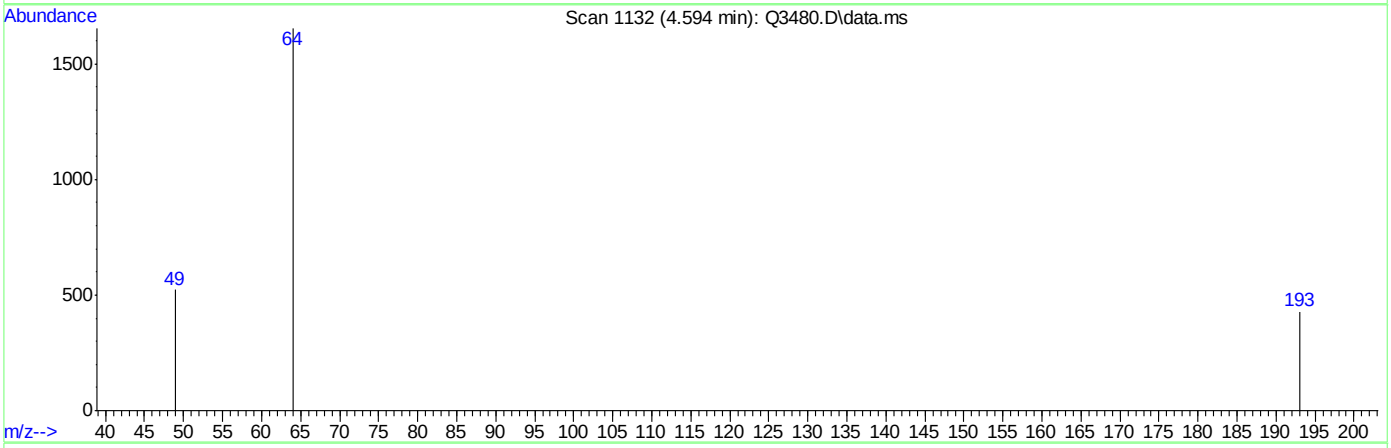
Ion	Exp%	Act%
64.00	100	100
66.00	0.00	15.81
49.00	0.00	27.96#
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On    : 21 May 2007   9:43 pm
Operator  : PhilipB
Sample    : IC189-.2 (M044)
Misc      : MS13602,MSQ189,,,,,1
ALS Vial  : 4   Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration
```



TIC: Q3480.D\data.ms

(9) CHLOROETHANE (m)

4.594min (+0.021) 0.31PPBV m

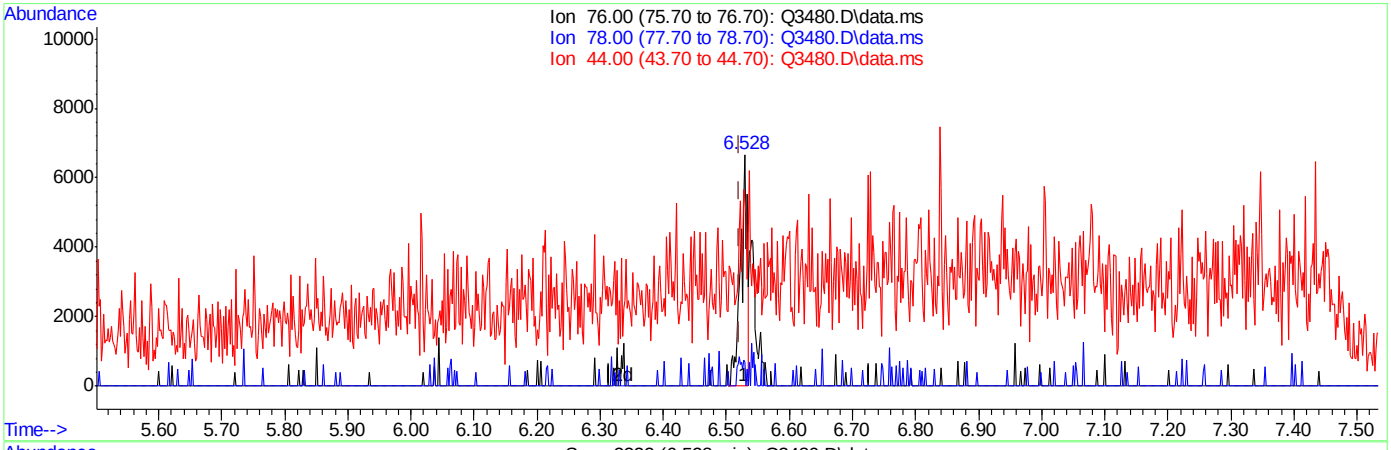
response 1343

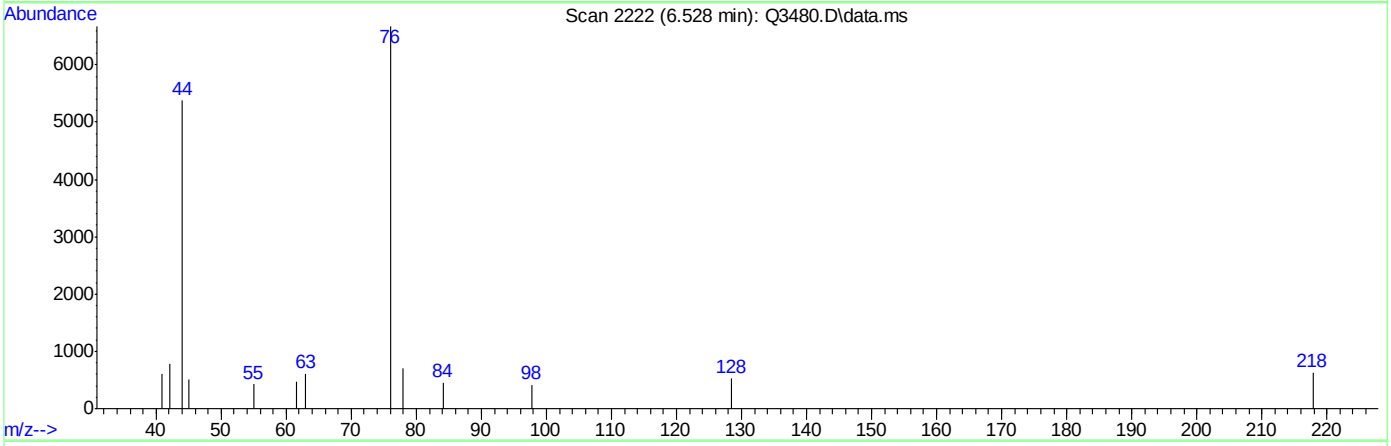
Ion	Exp%	Act%
64.00	100	100
66.00	0.00	8.04
49.00	0.00	14.22
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On    : 21 May 2007   9:43 pm
Operator  : PhilipB
Sample    : IC189-.2 (M044)
Misc      : MS13602,MSQ189,,,,,1
ALS Vial  : 4   Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration
```



TIC: Q3480.D\data.ms

(15) CARBON DISULFIDE (m)

6.528min (+0.007) 0.15PPBV

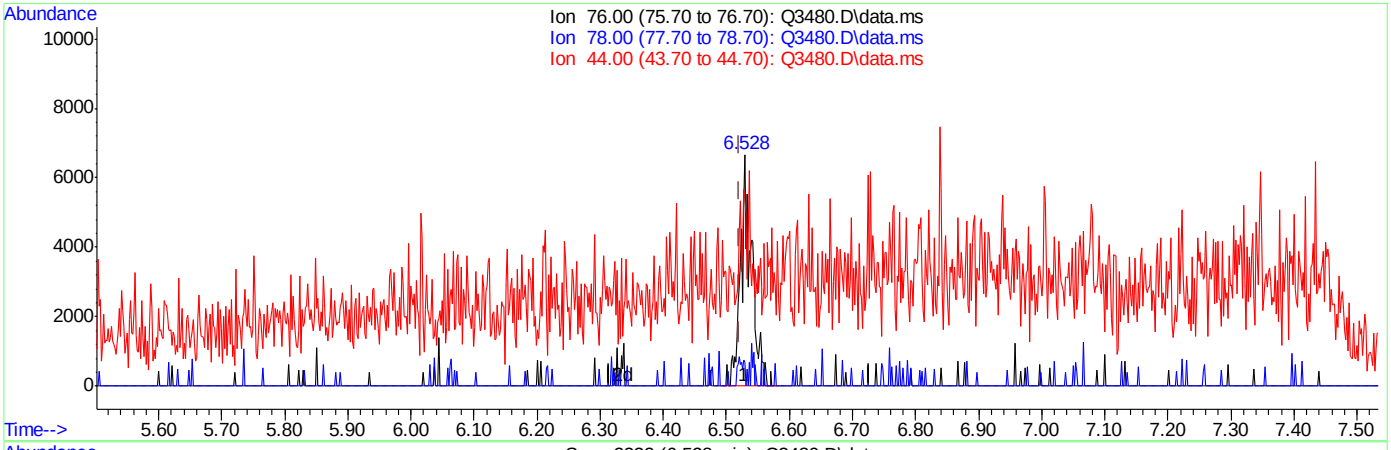
response 4815

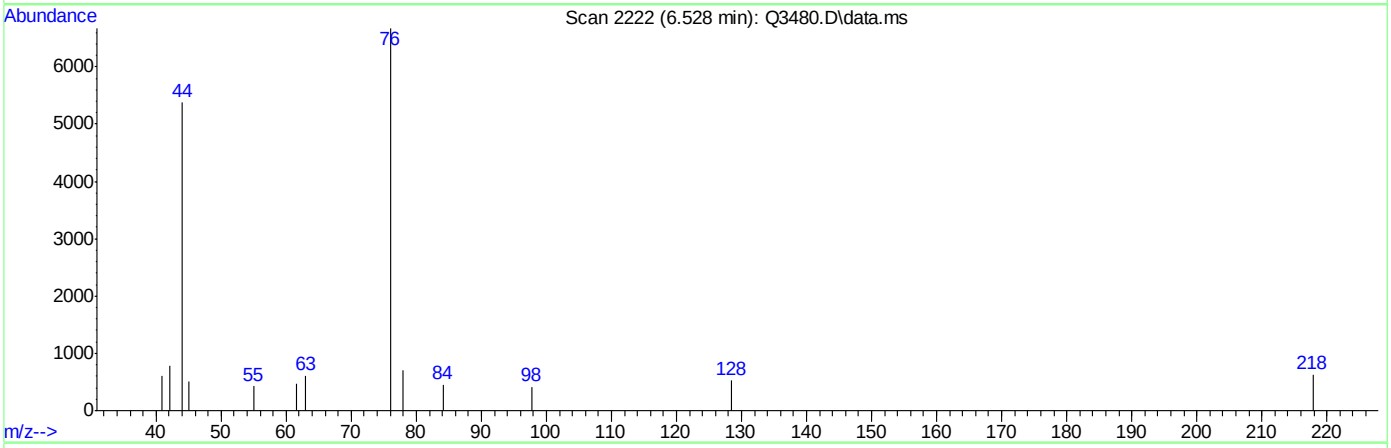
Ion	Exp%	Act%
76.00	100	100
78.00	0.00	7.41
44.00	0.70	66.31#
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On    : 21 May 2007   9:43 pm
Operator  : PhilipB
Sample    : IC189-.2 (M044)
Misc      : MS13602,MSQ189,,,,,1
ALS Vial  : 4   Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration
```



TIC: Q3480.D\data.ms

(15) CARBON DISULFIDE (m)

6.528min (+0.007) 0.26PPBV m

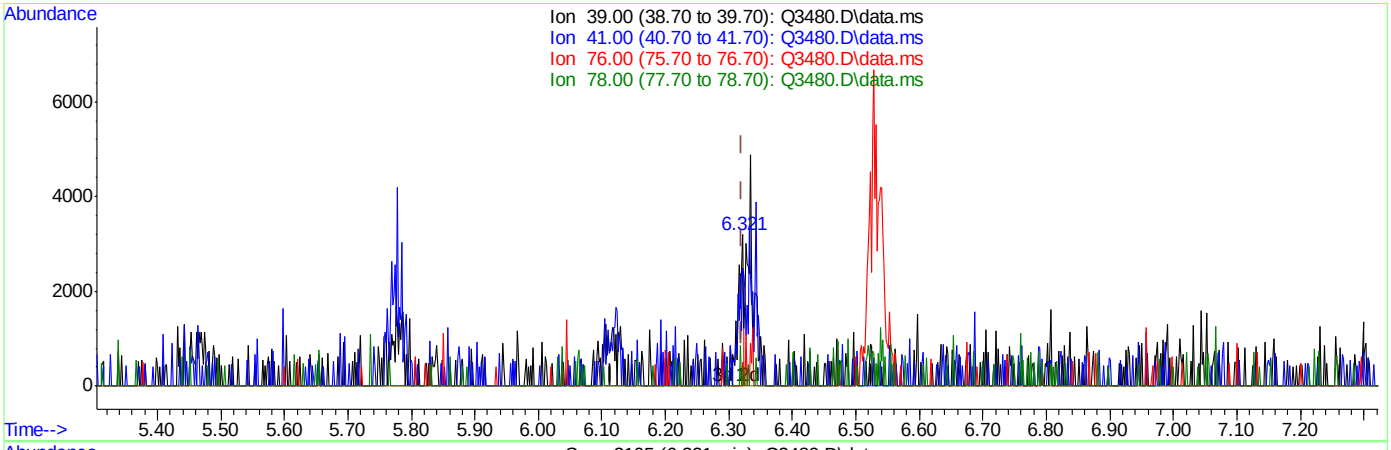
response 8215

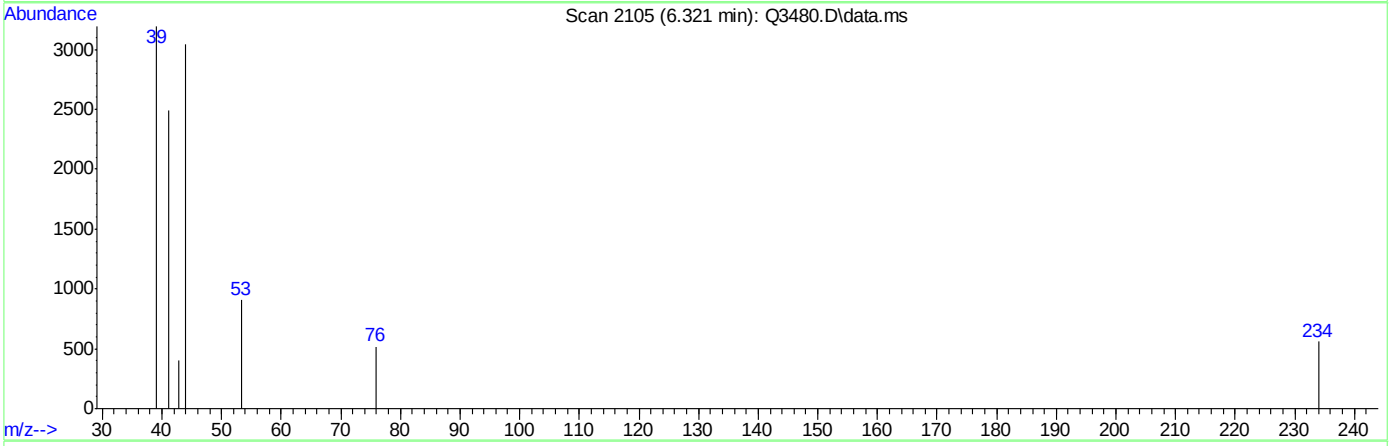
Ion	Exp%	Act%
76.00	100	100
78.00	0.00	4.35
44.00	0.70	38.87#
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On    : 21 May 2007   9:43 pm
Operator  : PhilipB
Sample    : IC189-.2 (M044)
Misc      : MS13602,MSQ189,,,,,1
ALS Vial  : 4   Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration
```



TIC: Q3480.D\data.ms

(19) 3-CHLOROPROPENE (m)

6.321min (+0.001) 0.11PPBV

response 1684

Ion	Exp%	Act%
39.00	100	100
41.00	0.30	110.33#
76.00	0.00	0.00
78.00	0.00	8.08

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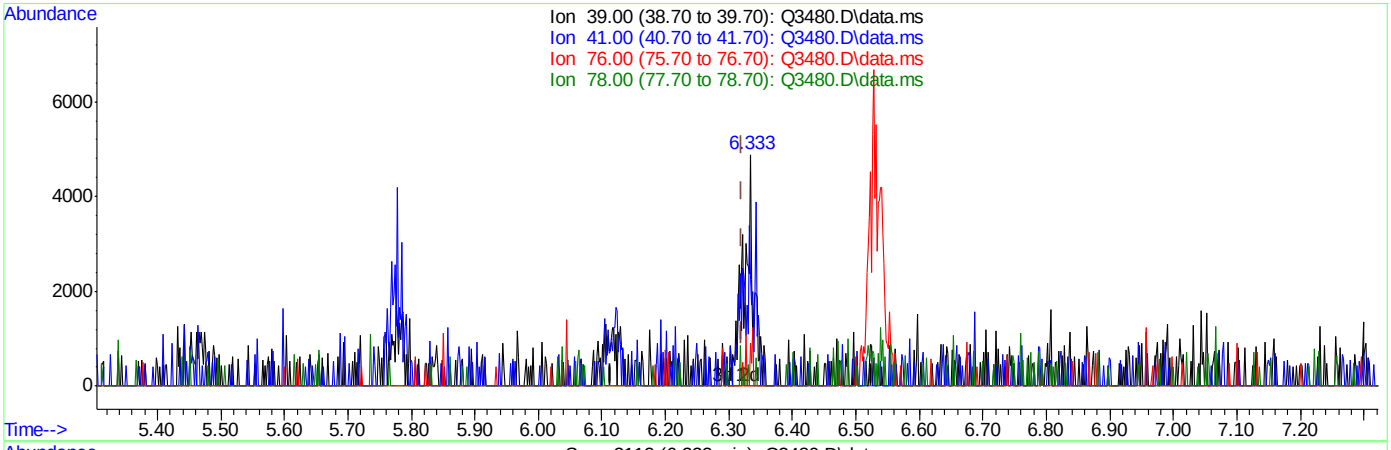
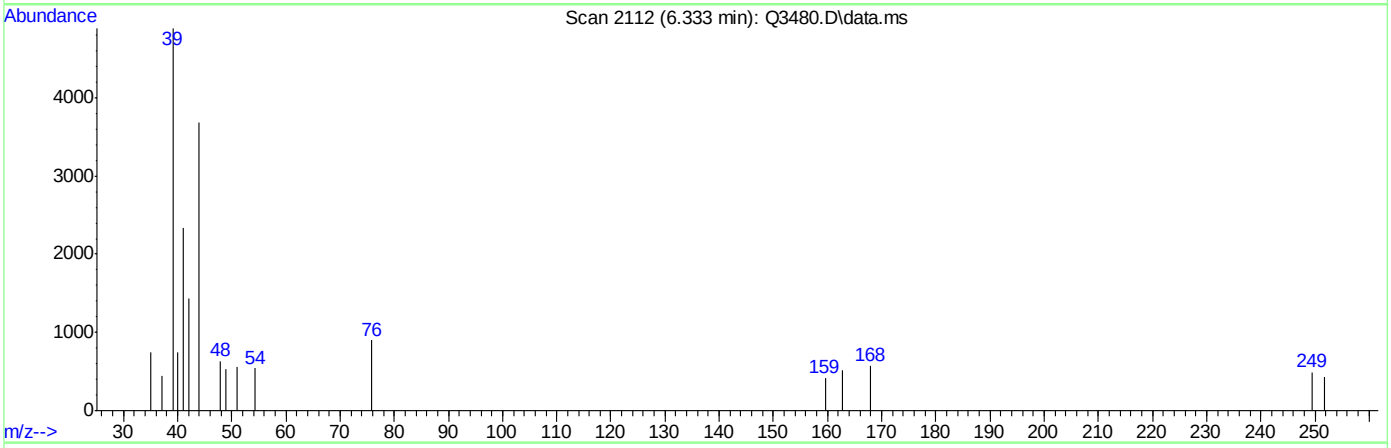
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





(19) 3-CHLOROPROPENE (m)

6.333min (+0.013) 0.32PPBV m

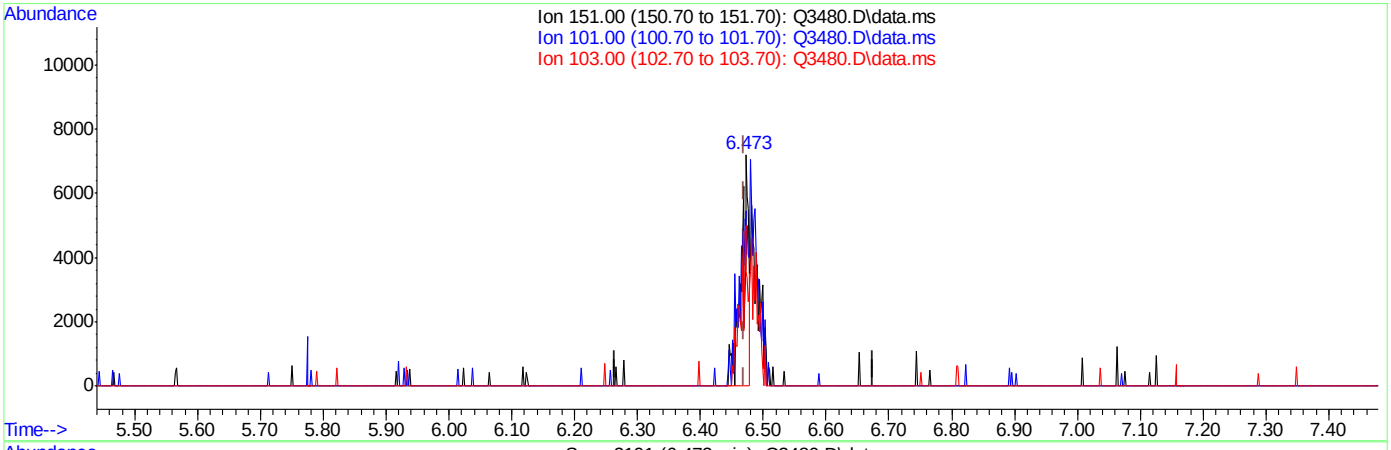
response 5194

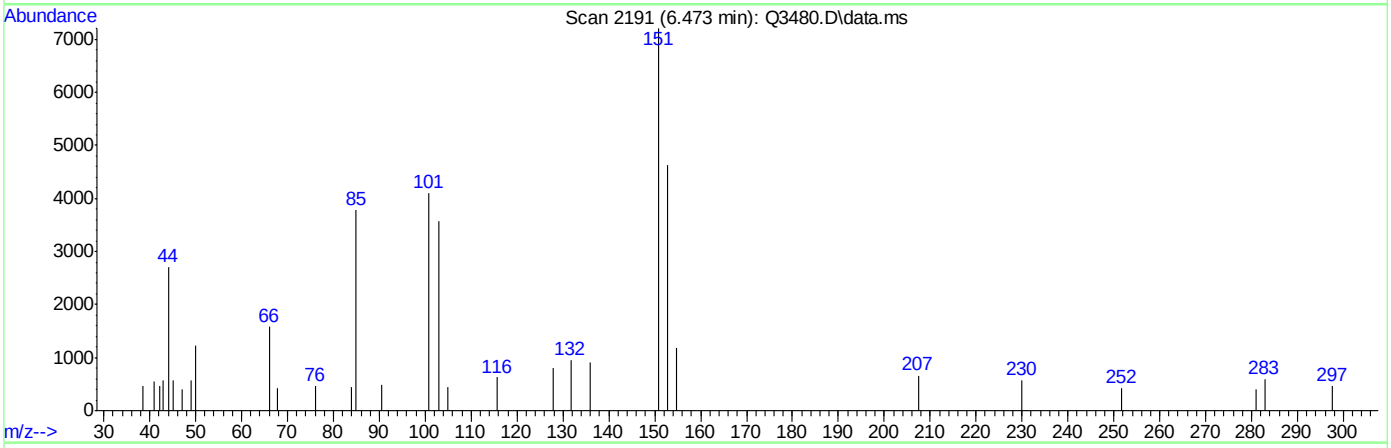
Ion	Exp%	Act%
39.00	100	100
41.00	0.30	35.77#
76.00	0.00	0.00
78.00	0.00	2.62

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





TIC: Q3480.D\data.ms

(20) FREON 113 (m)

6.473min (+0.003) 0.17PPBV

response 6248

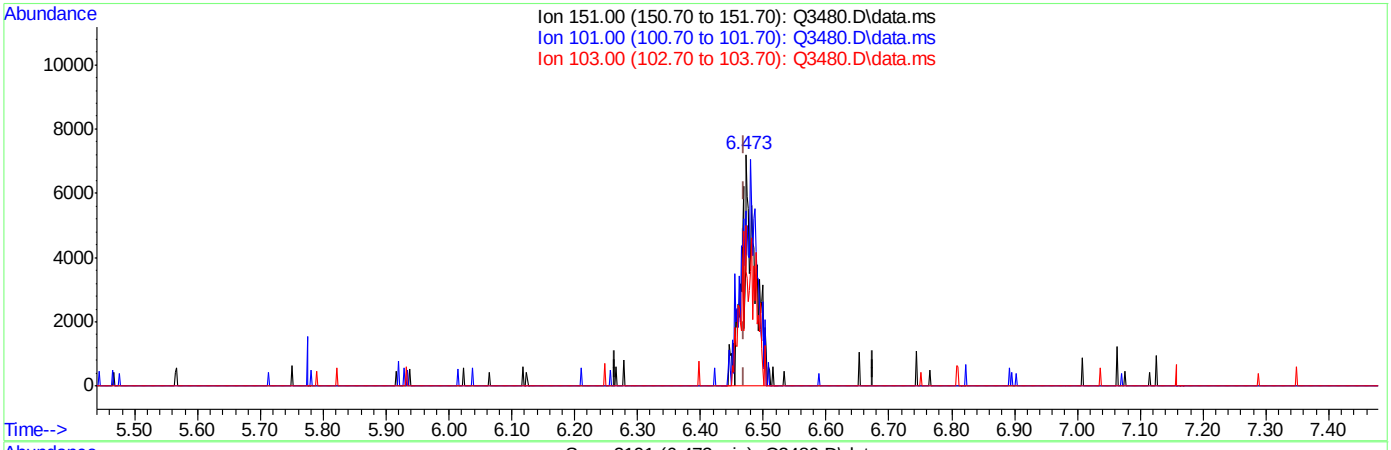
Ion	Exp%	Act%
151.00	100	100
101.00	0.00	101.14#
103.00	0.00	71.29#
0.00	0.00	0.00

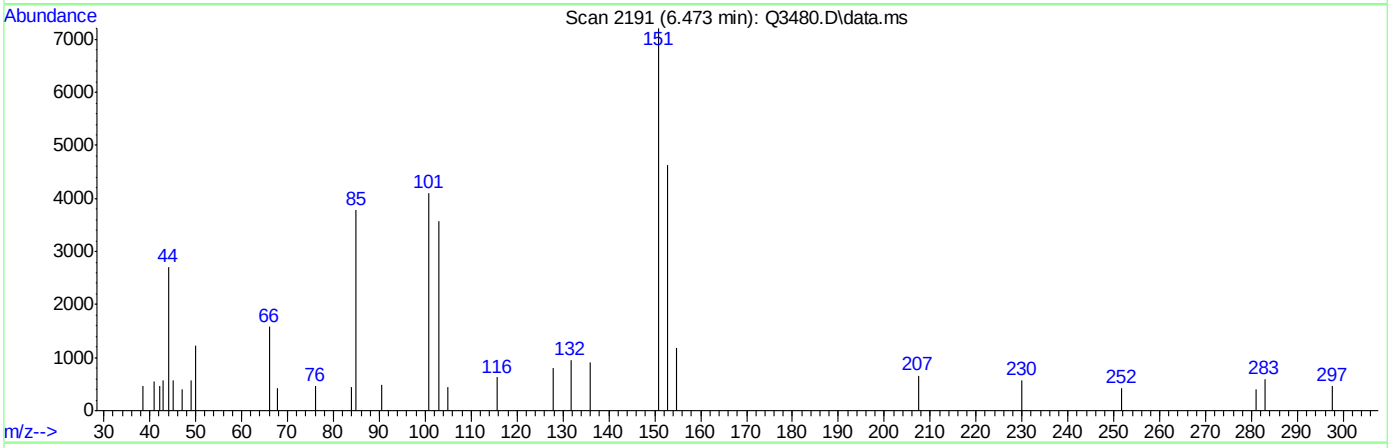
ACCUTEST Laboratories M64940

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





TIC: Q3480.D\data.ms

(20) FREON 113 (m)

6.473min (+0.003) 0.30PPBV m

response 11185

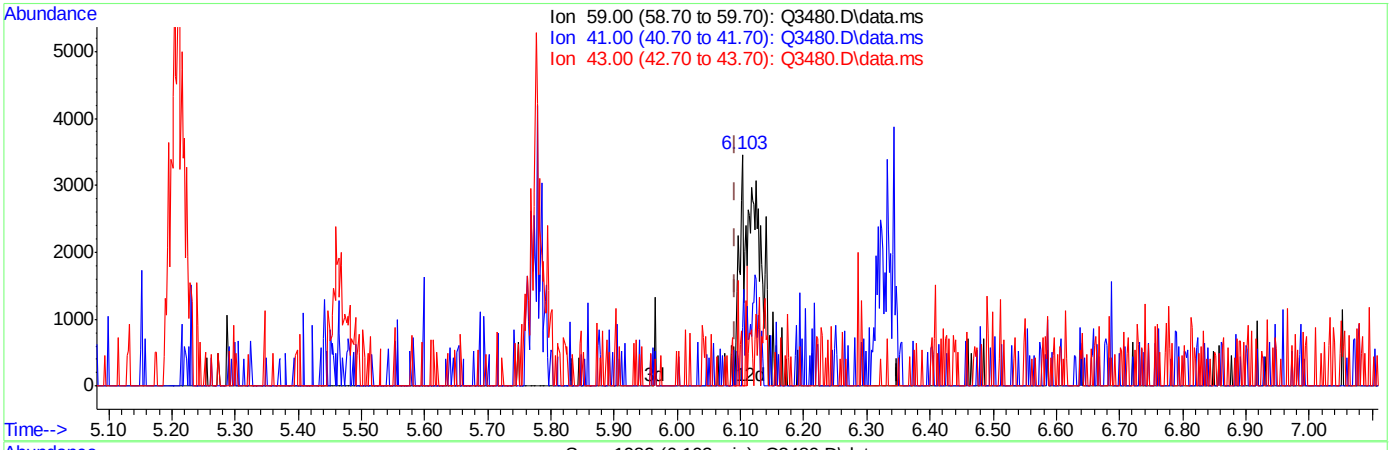
Ion	Exp%	Act%
151.00	100	100
101.00	0.00	56.50#
103.00	0.00	39.82#
0.00	0.00	0.00

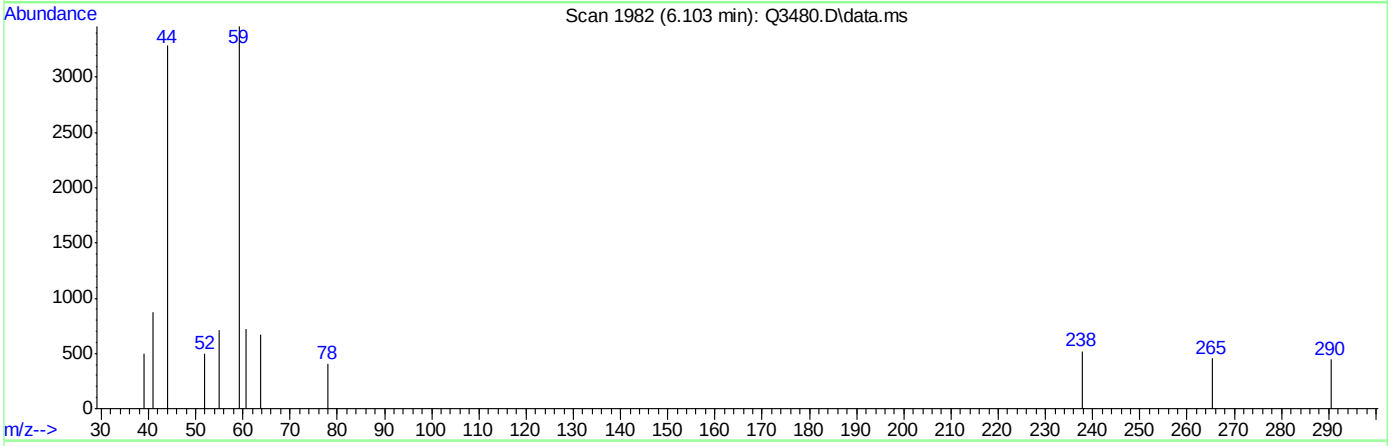
ACCUTEST Laboratories M64940

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





TIC: Q3480.D\data.ms

(22) TERTIARY BUTYL ALCOHOL (m)

6.103min (+0.011) 0.11PPBV

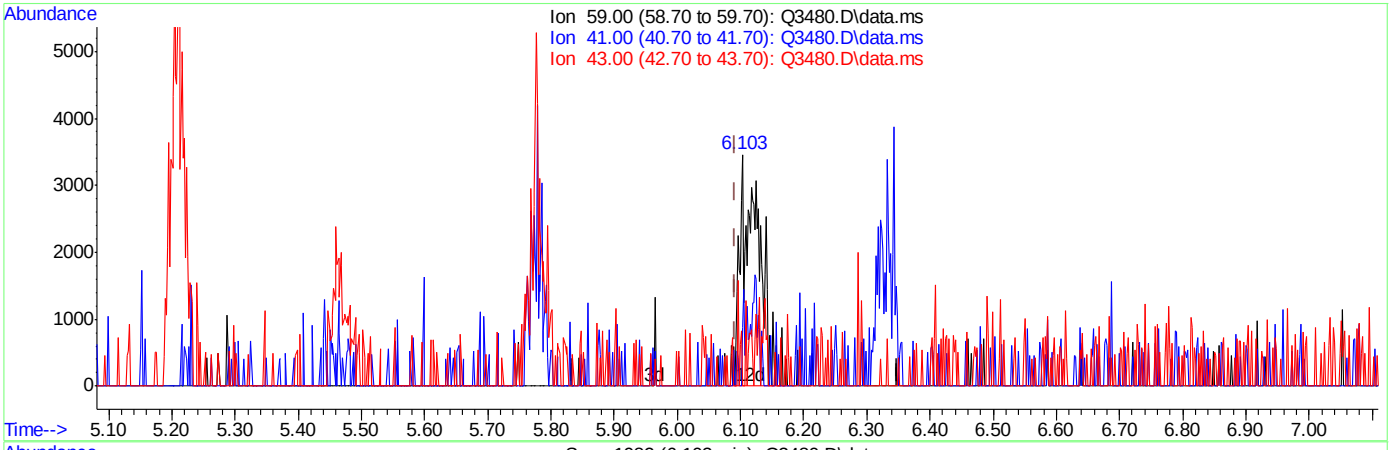
response 2405

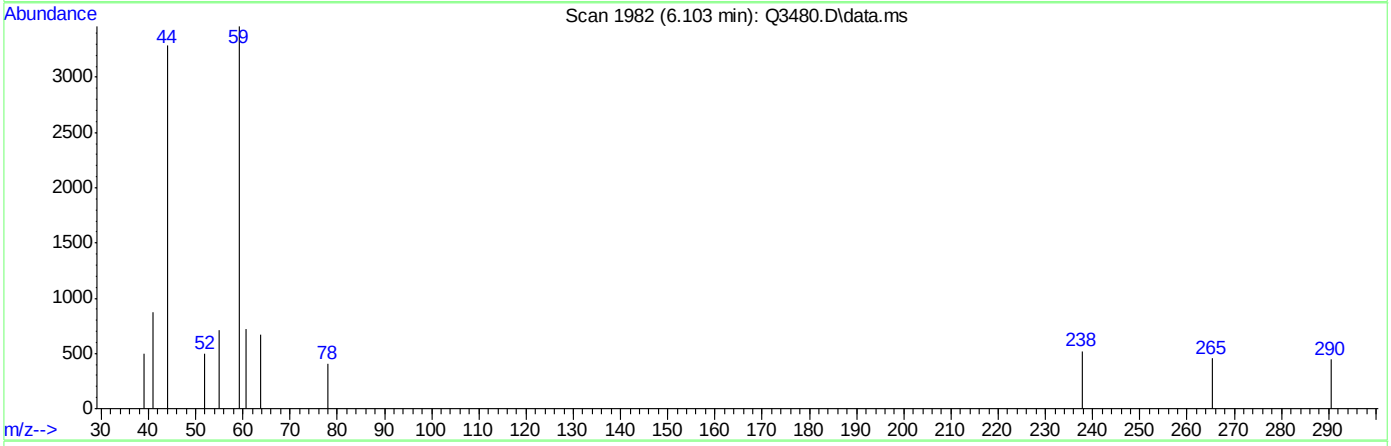
Ion	Exp%	Act%
59.00	100	100
41.00	0.00	31.64#
43.00	0.00	13.39
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





TIC: Q3480.D\data.ms

(22) TERTIARY BUTYL ALCOHOL (m)

6.103min (+0.011) 0.31PPBV m

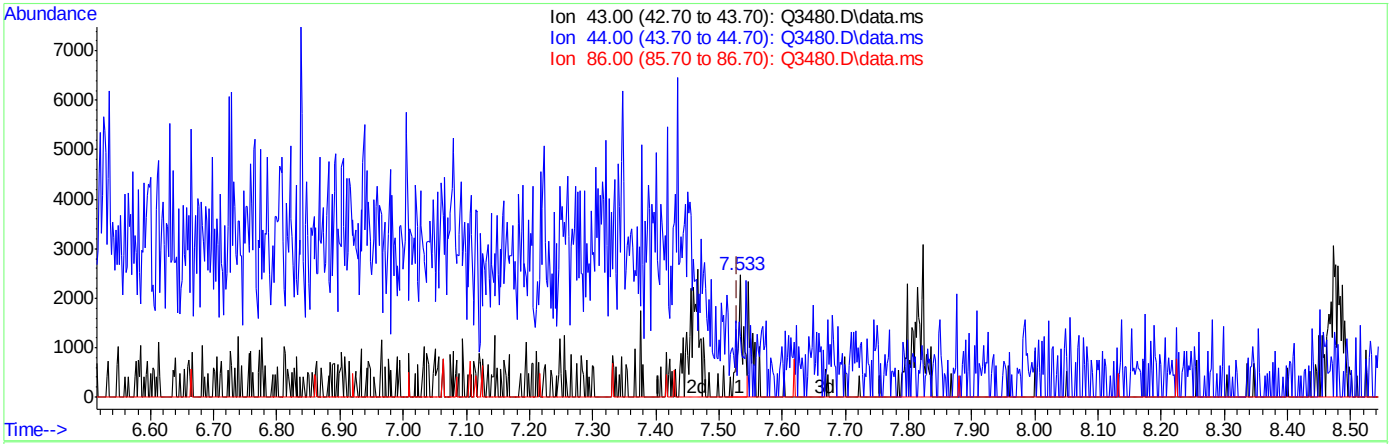
response 7161

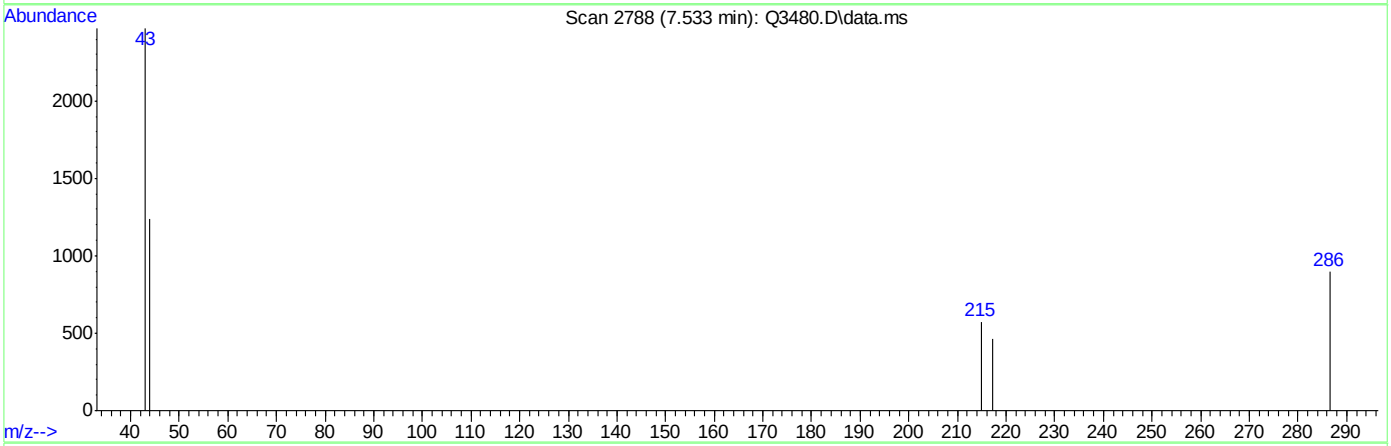
Ion	Exp%	Act%
59.00	100	100
41.00	0.00	10.63
43.00	0.00	4.50
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





TIC: Q3480.D\data.ms

(26) VINYL ACETATE (m)

7.533min (+0.003) 0.06PPBV

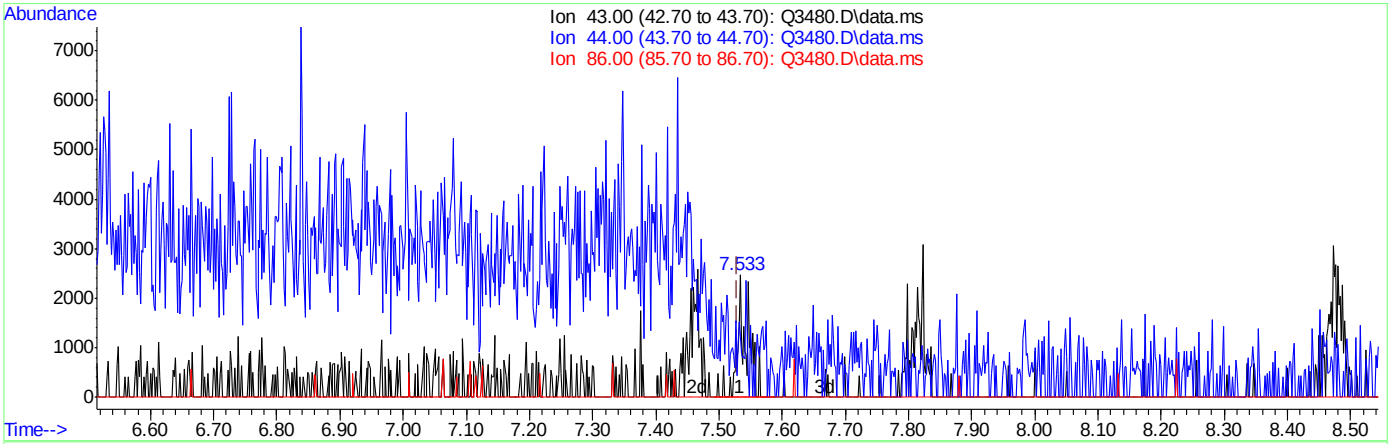
response 1400

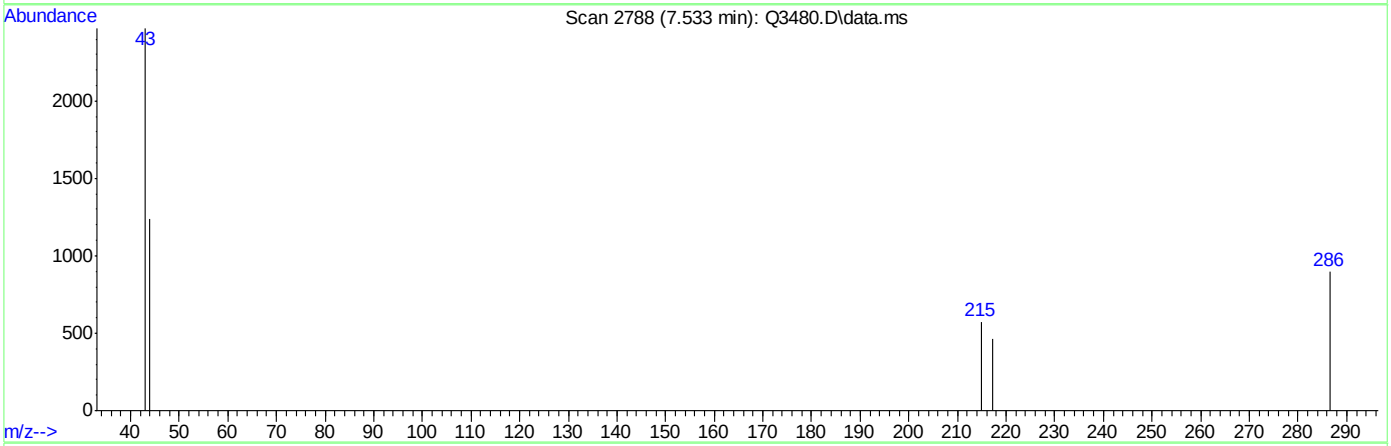
Ion	Exp%	Act%
43.00	100	100
44.00	2.30	105.43#
86.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On    : 21 May 2007   9:43 pm
Operator  : PhilipB
Sample    : IC189-.2 (M044)
Misc      : MS13602,MSQ189,,,,,1
ALS Vial  : 4   Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration
```



TIC: Q3480.D\data.ms

(26) VINYL ACETATE (m)

7.533min (+0.003) 0.11PPBV m

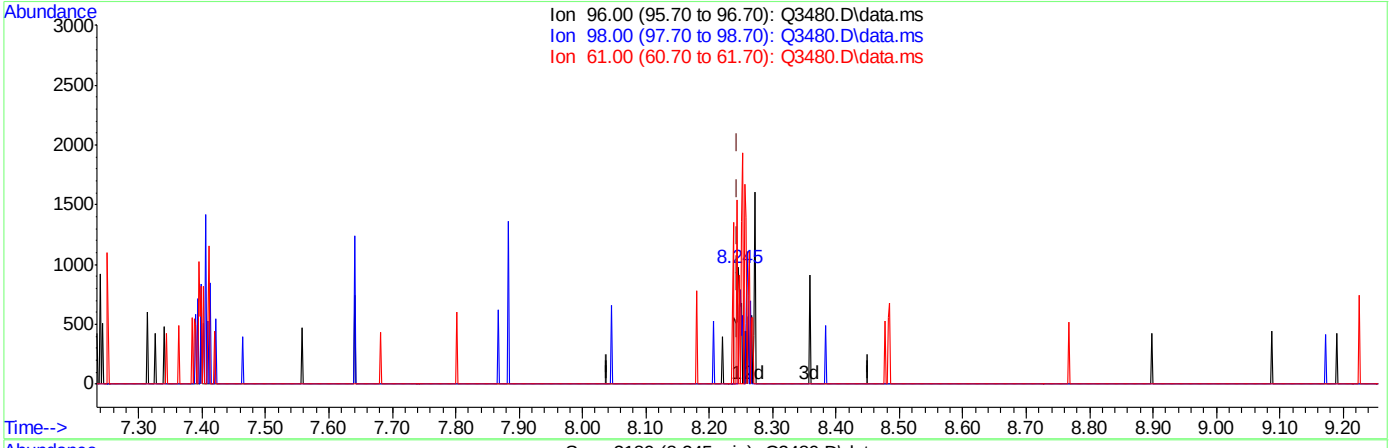
response 2507

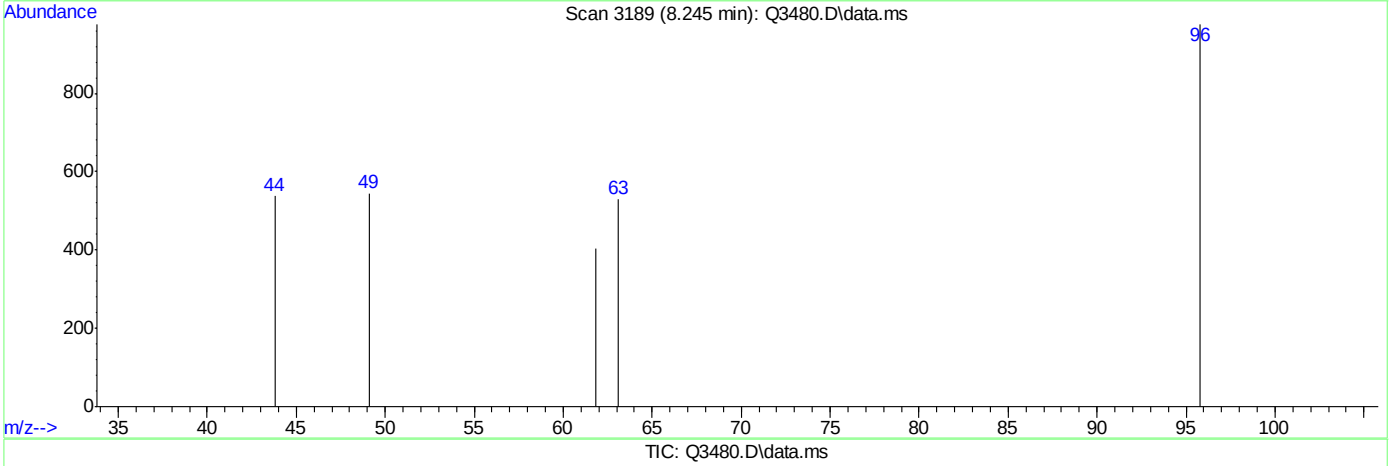
Ion	Exp%	Act%
43.00	100	100
44.00	2.30	58.88#
86.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





TIC: Q3480.D\data.ms

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

8.245min (-0.000) 0.08PPBV

response 546

Ion	Exp%	Act%
96.00	100	100
98.00	0.00	0.00
61.00	0.00	56.41#
0.00	0.00	0.00

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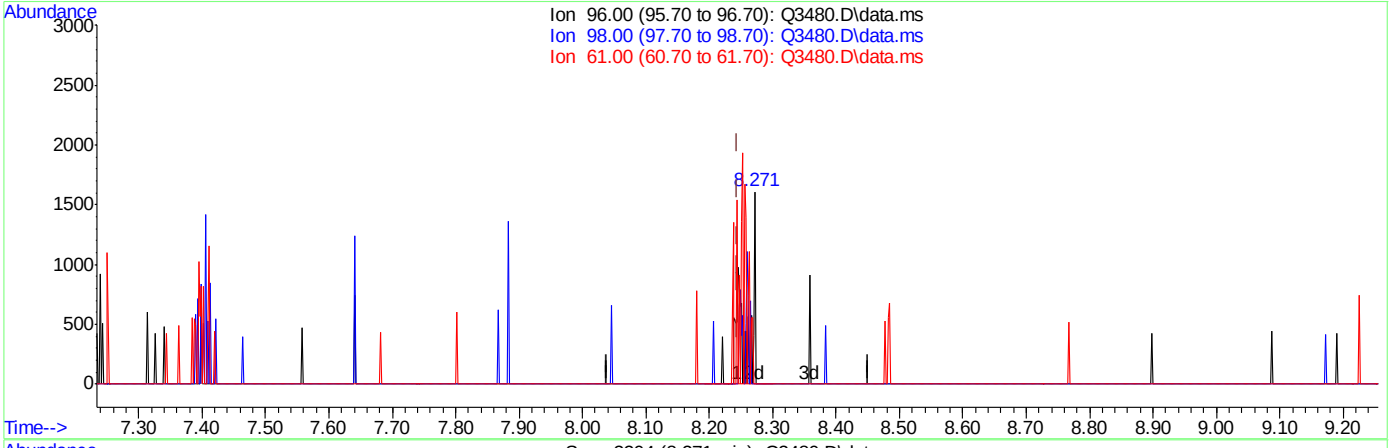
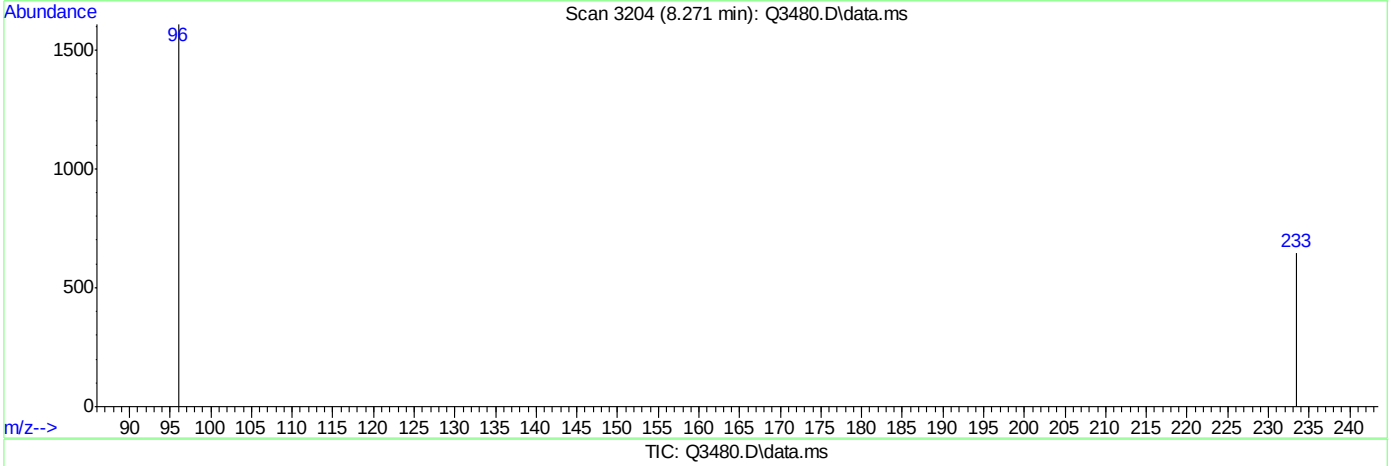
Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On    : 21 May 2007   9:43 pm
Operator  : PhilipB
Sample    : IC189-.2 (M044)
Misc      : MS13602,MSQ189,,,,,1
ALS Vial  : 4   Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration
```



TIC: Q3480.D\data.ms

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

8.271min (+0.027) 0.14PPBV m

response 972

Ion	Exp%	Act%
96.00	100	100
98.00	0.00	0.00
61.00	0.00	31.69#
0.00	0.00	0.00

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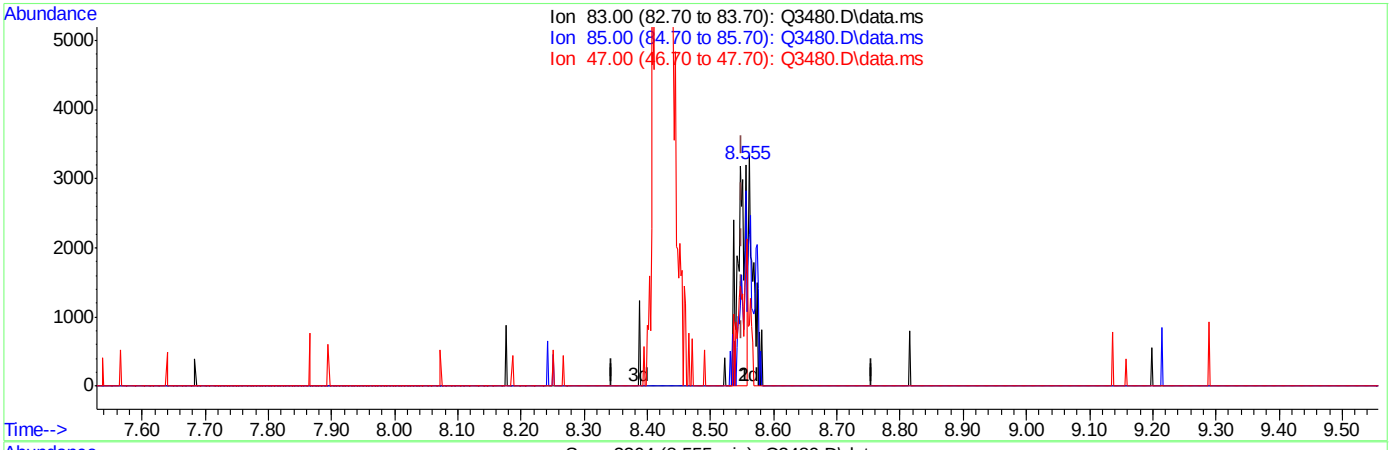
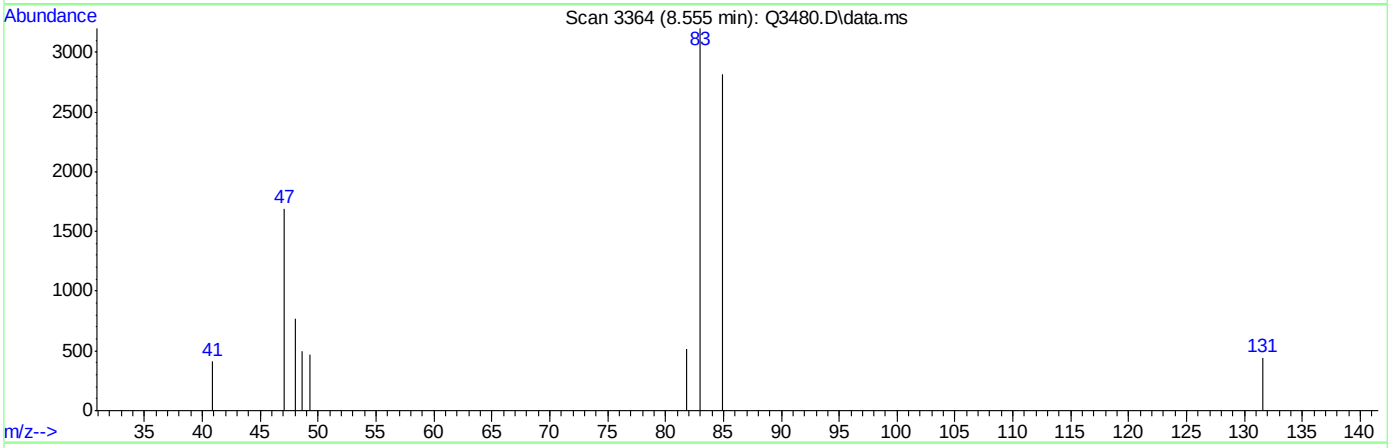
Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On    : 21 May 2007   9:43 pm
Operator  : PhilipB
Sample    : IC189-.2 (M044)
Misc      : MS13602,MSQ189,,,,,1
ALS Vial  : 4   Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration
```



TIC: Q3480.D\data.ms

(31) CHLOROFORM (m)

8.555min (+0.005) 0.13PPBV

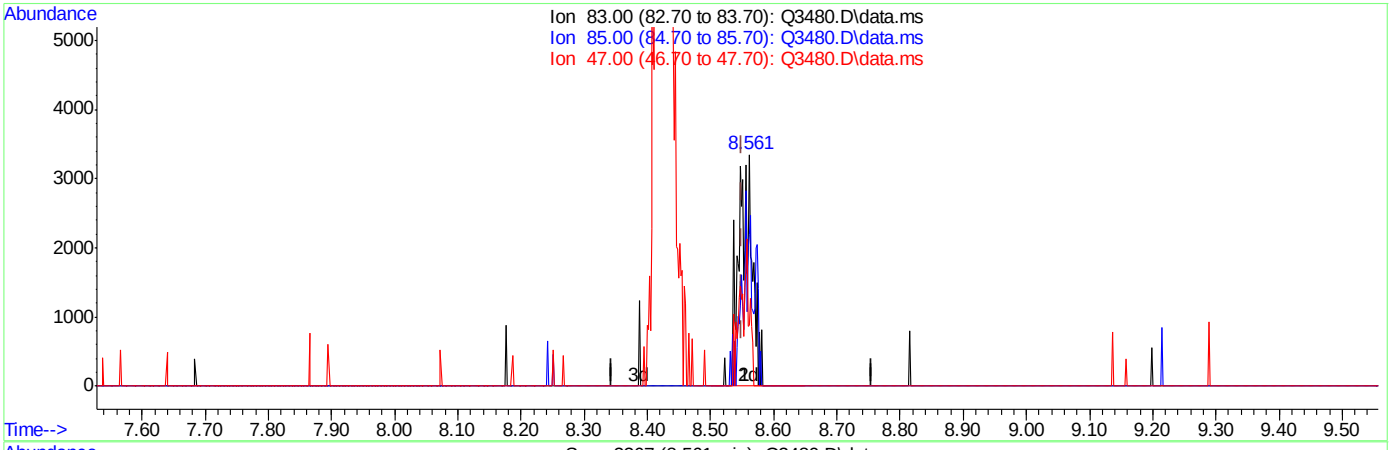
response 2884

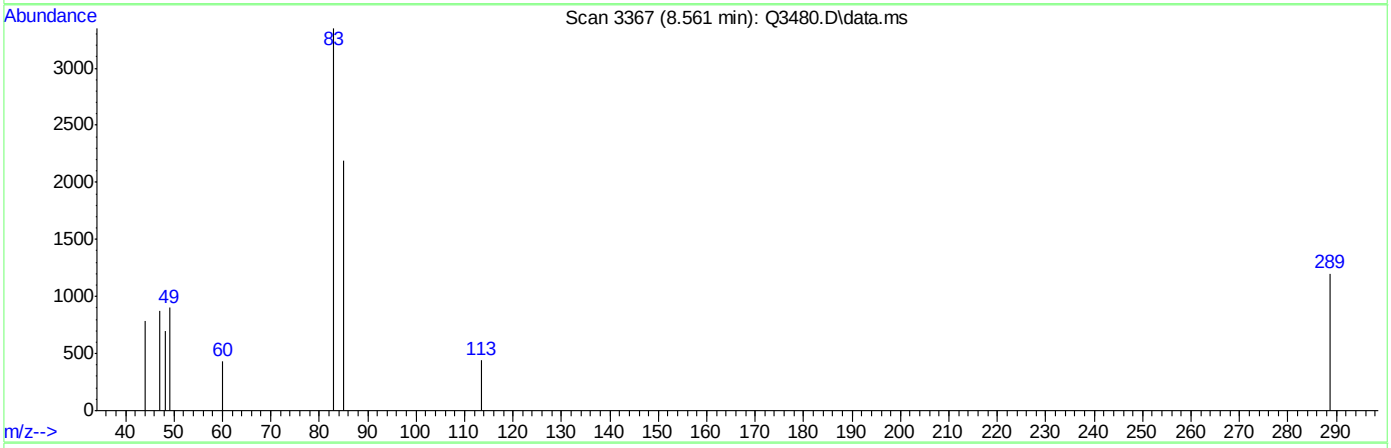
Ion	Exp%	Act%
83.00	100	100
85.00	0.00	85.47#
47.00	0.00	71.39#
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On    : 21 May 2007   9:43 pm
Operator  : PhilipB
Sample    : IC189-.2 (M044)
Misc      : MS13602,MSQ189,,,,,1
ALS Vial  : 4   Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration
```





TIC: Q3480.D\data.ms

(31) CHLOROFORM (m)

8.561min (+0.011) 0.21PPBV m

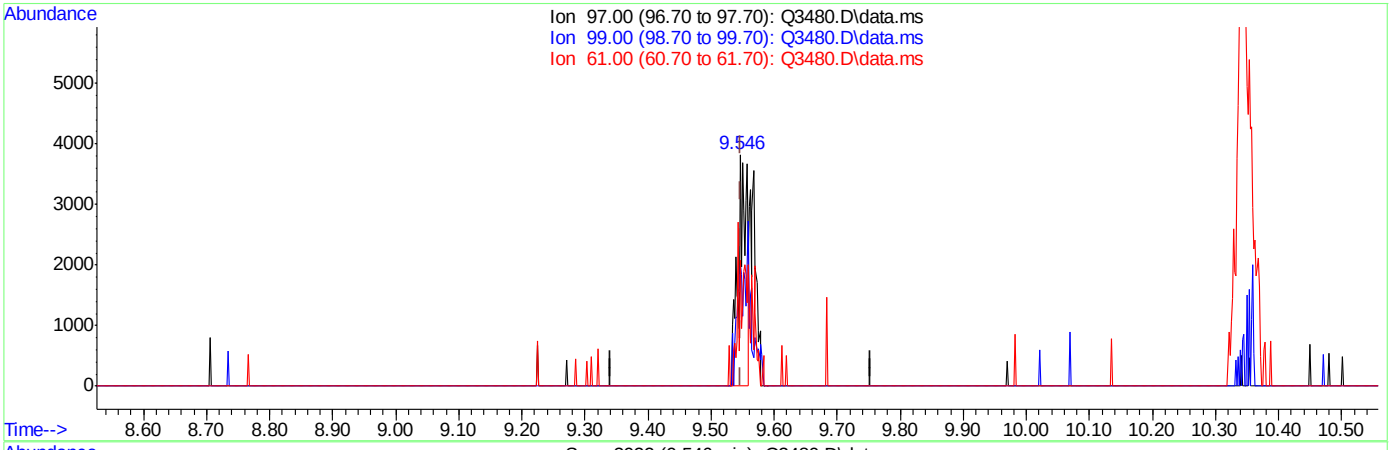
response 4772

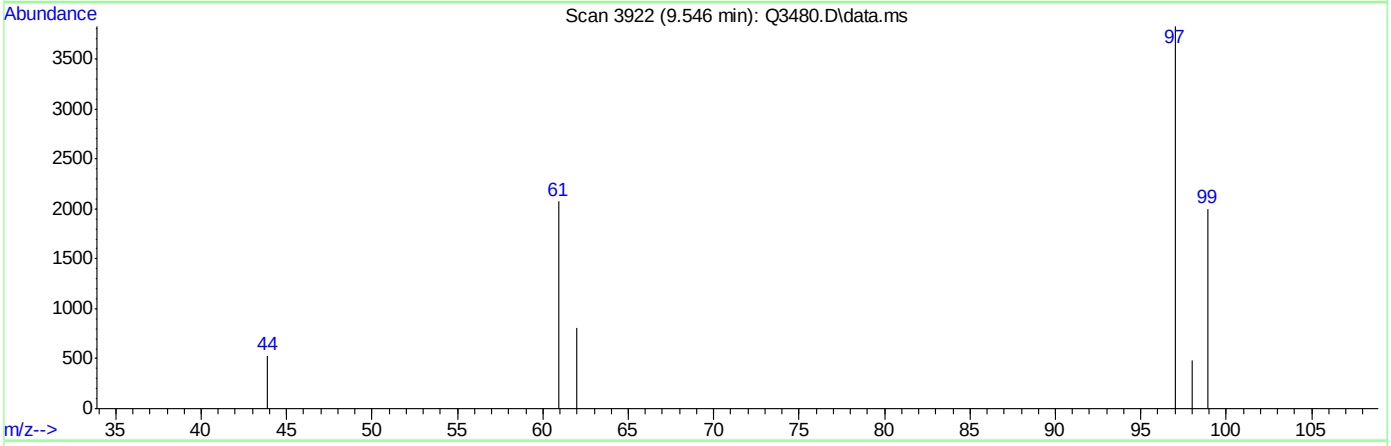
Ion	Exp%	Act%
83.00	100	100
85.00	0.00	51.66#
47.00	0.00	43.15#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





TIC: Q3480.D\data.ms

(32) 1,1,1-TRICHLOROETHANE (m)

9.546min (-0.002) 0.14PPBV

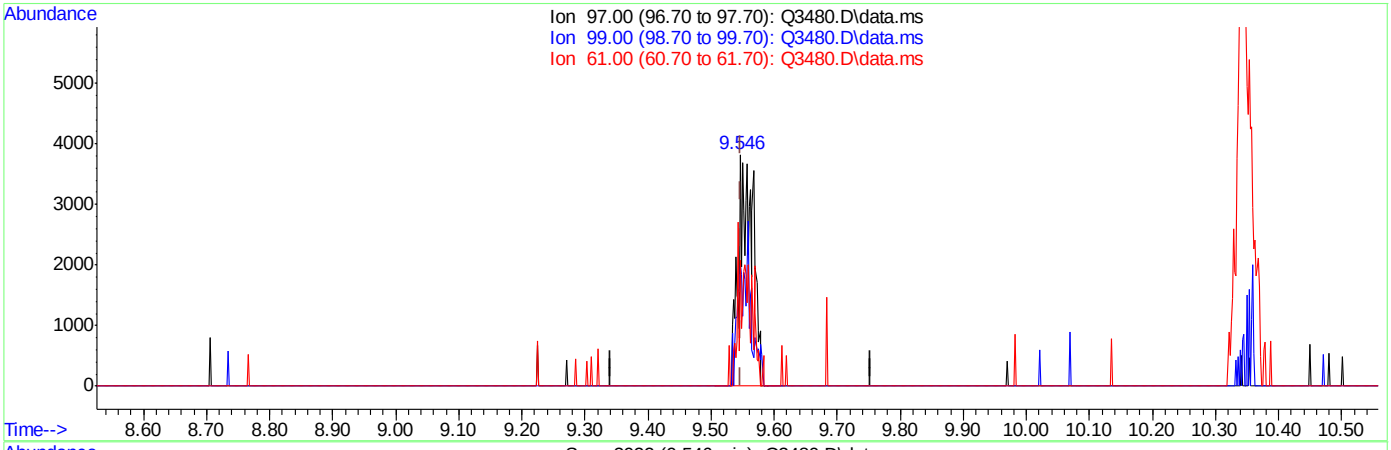
response 3517

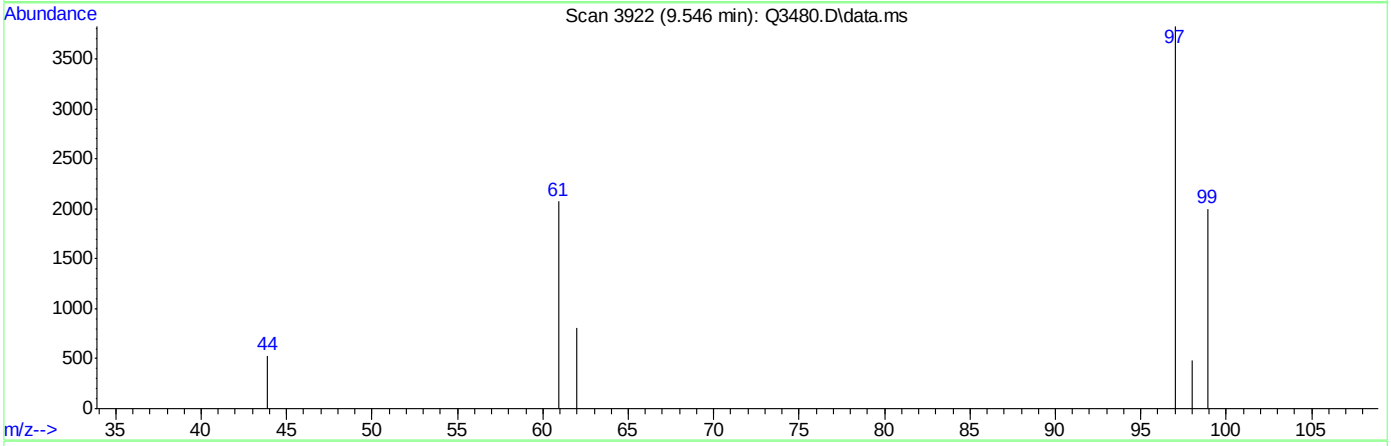
Ion	Exp%	Act%
97.00	100	100
99.00	63.00	96.50#
61.00	38.00	64.46#
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On    : 21 May 2007   9:43 pm
Operator  : PhilipB
Sample    : IC189-.2 (M044)
Misc      : MS13602,MSQ189,,,,,1
ALS Vial  : 4   Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration
```



TIC: Q3480.D\data.ms

(32) 1,1,1-TRICHLOROETHANE (m)

9.546min (-0.002) 0.23PPBV m

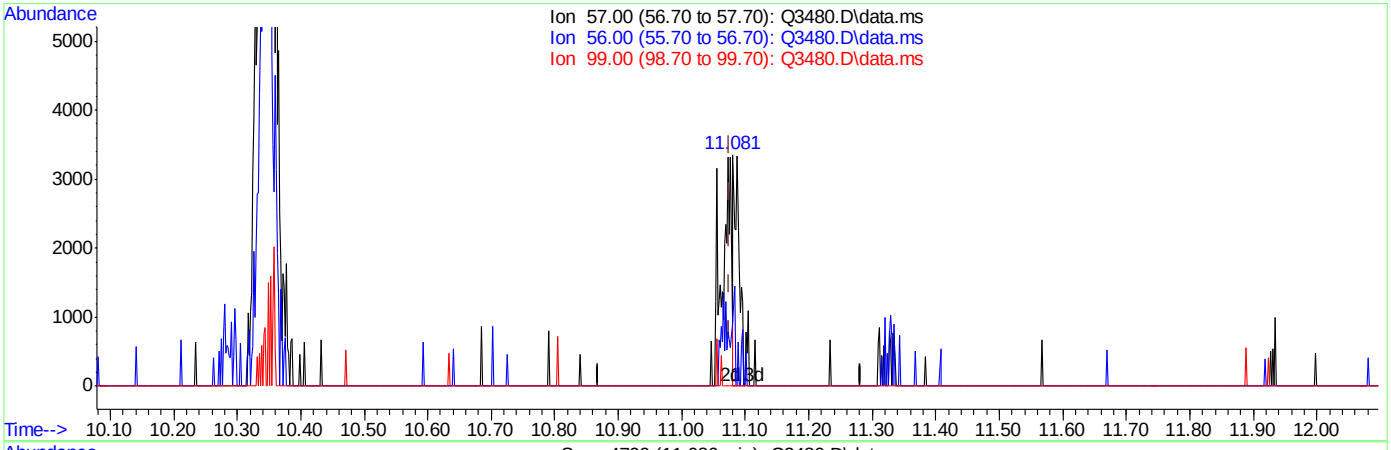
response 5925

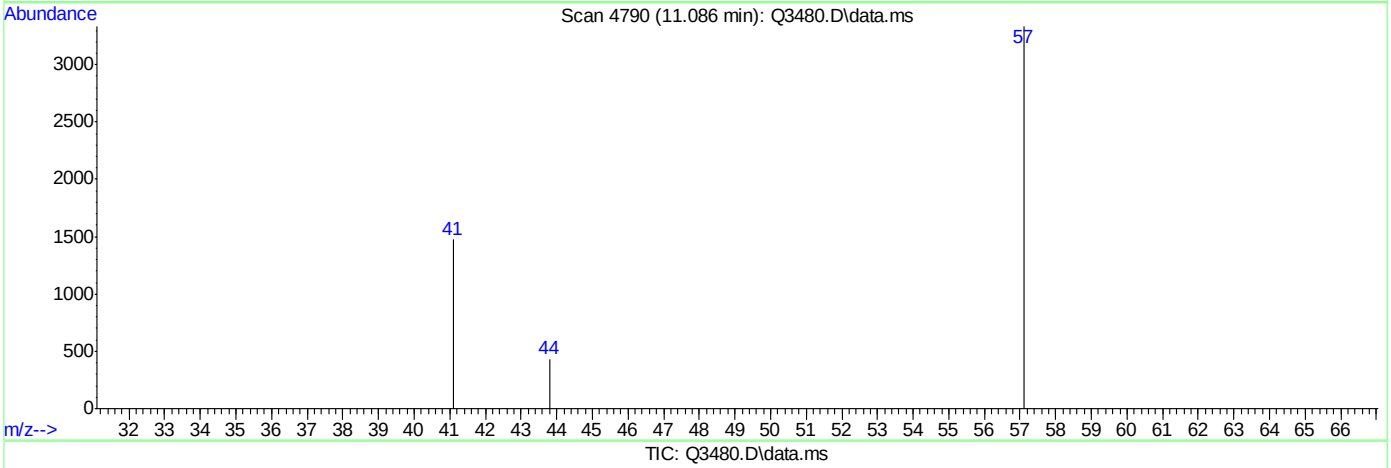
Ion	Exp%	Act%
97.00	100	100
99.00	63.00	57.28
61.00	38.00	38.26
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





TIC: Q3480.D\data.ms

(41) 2,2,4-TRIMETHYLPENTANE (m)

11.086min (+0.011) 0.06PPBV

response 2042

Ion	Exp%	Act%
57.00	100	100
56.00	30.30	40.16
99.00	6.30	0.00
0.00	0.00	0.00

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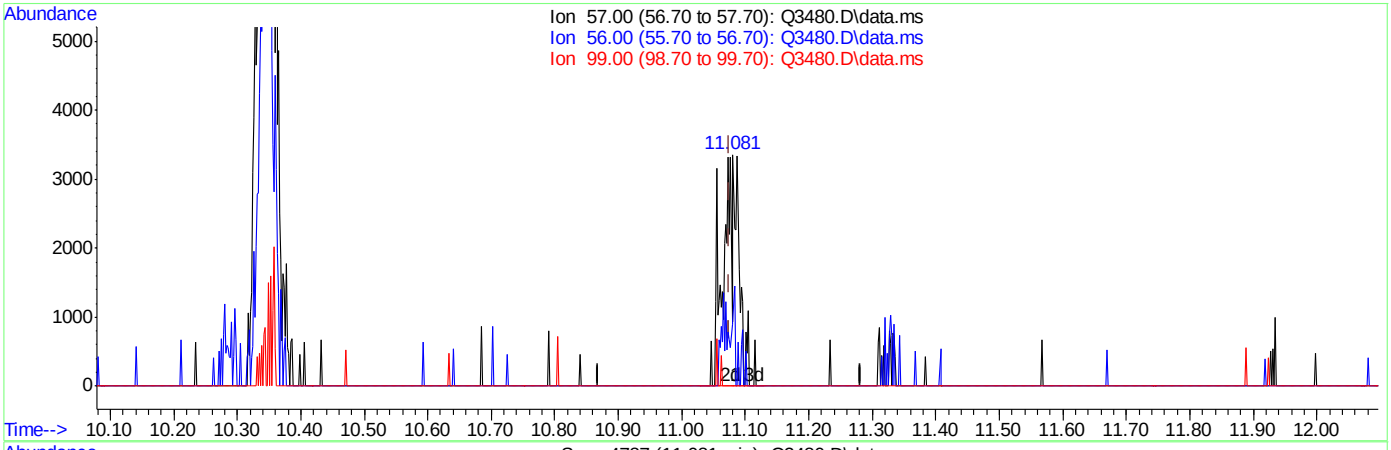
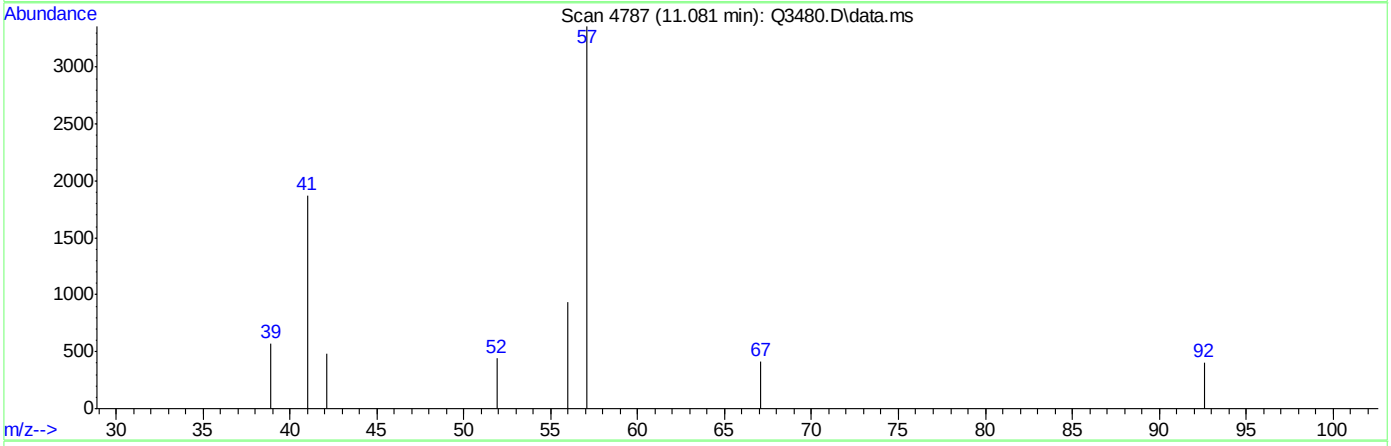
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





TIC: Q3480.D\data.ms

(41) 2,2,4-TRIMETHYLPENTANE (m)

11.081min (+0.005) 0.17PPBV m

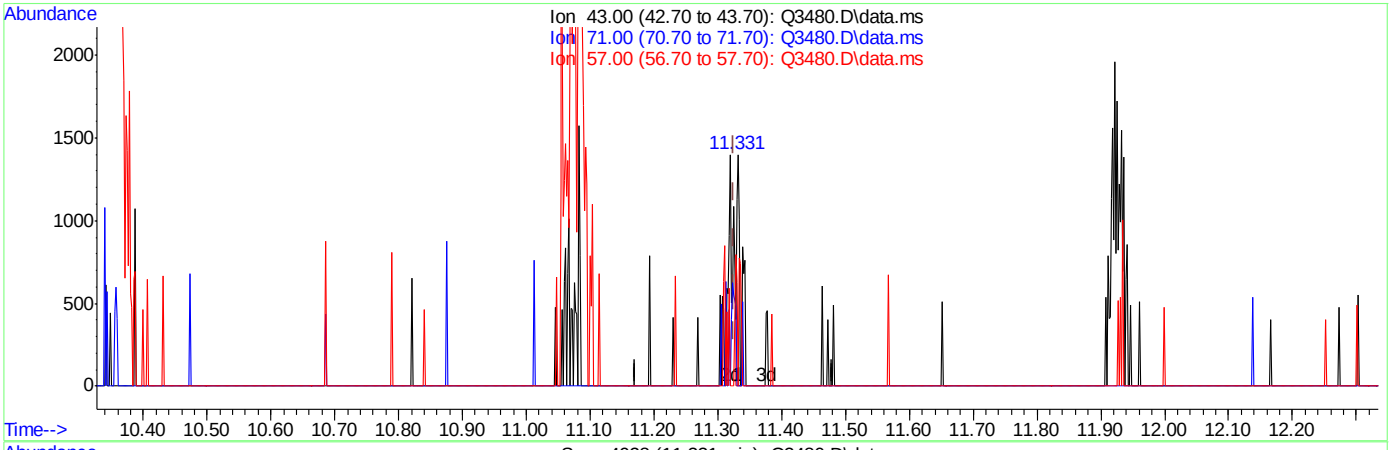
response 5400

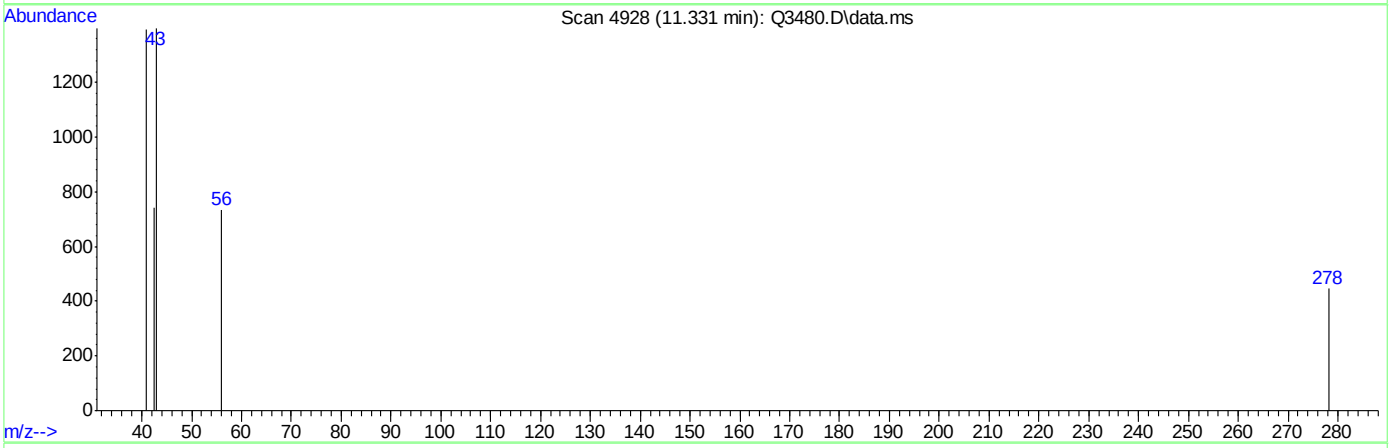
Ion	Exp%	Act%
57.00	100	100
56.00	30.30	15.19
99.00	6.30	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





TIC: Q3480.D\data.ms

(43) HEPTANE (m)

11.331min (+0.005) 0.03PPBV

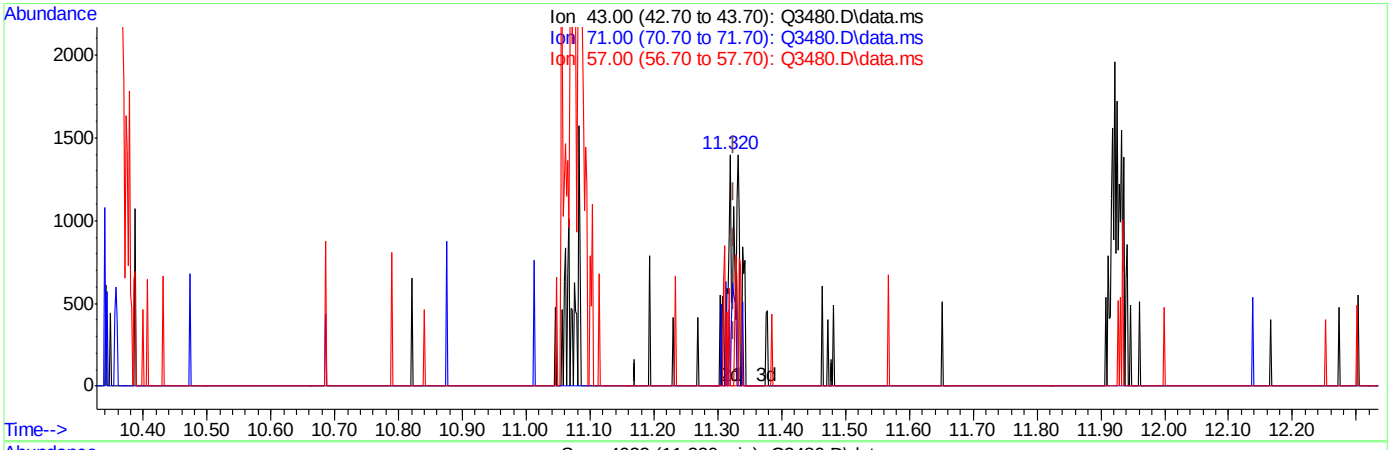
response 376

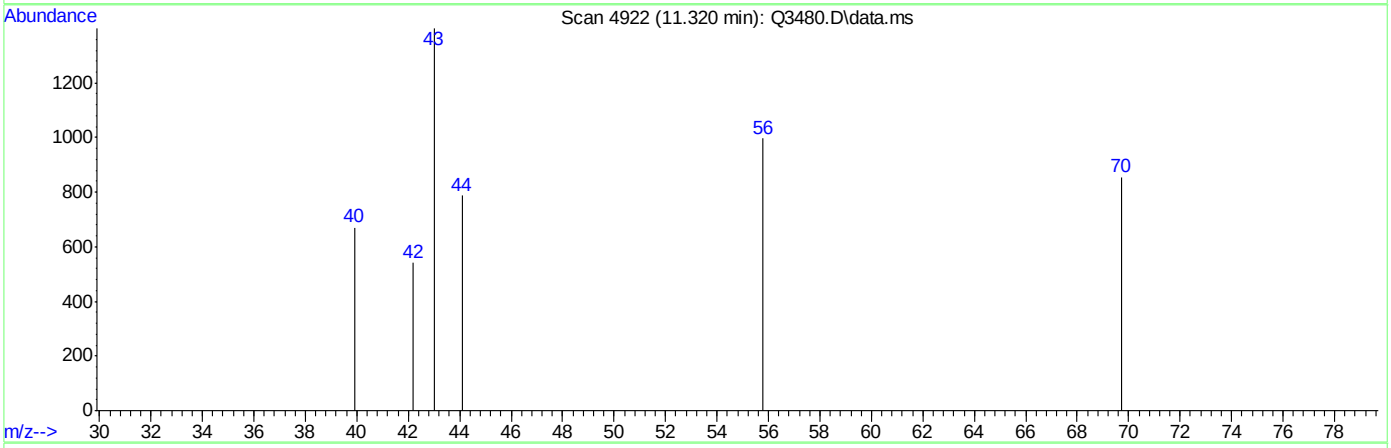
Ion	Exp%	Act%
43.00	100	100
71.00	52.40	58.51
57.00	48.00	95.48#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





(43) HEPTANE (m)

11.320min (-0.005) 0.11PPBV m

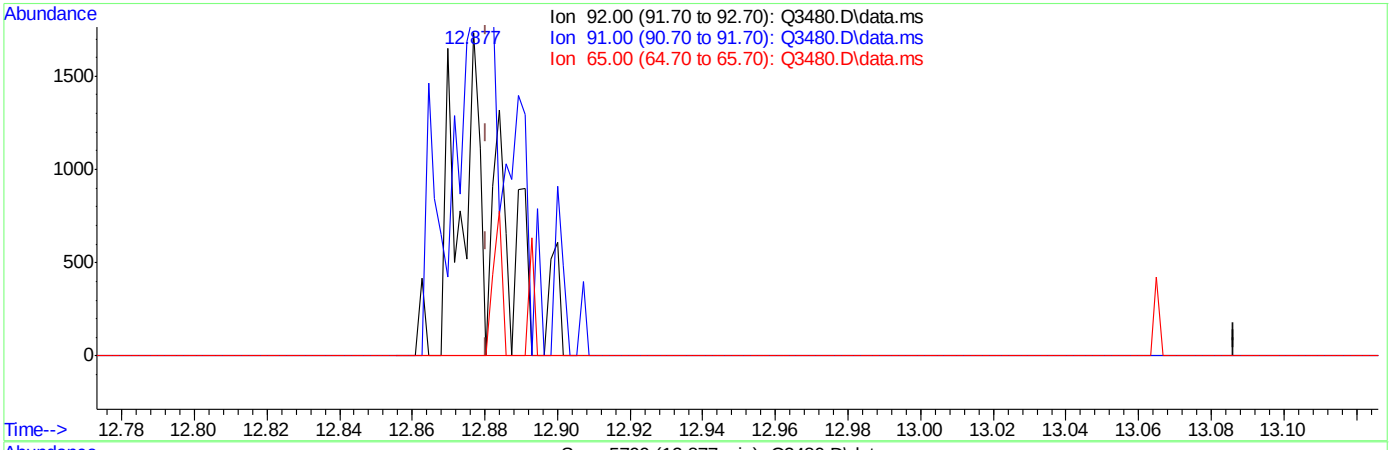
response 1423

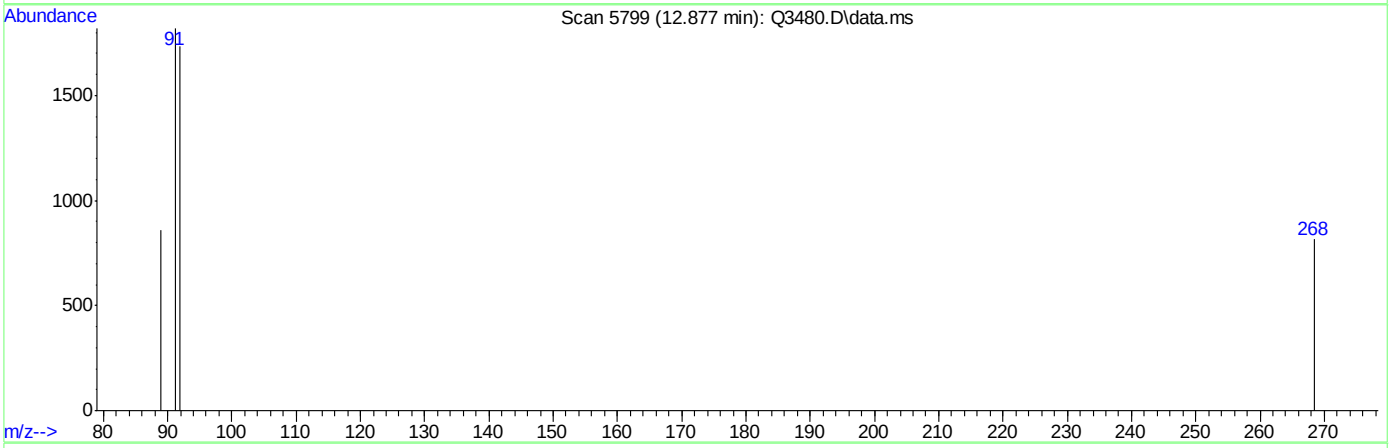
Ion	Exp%	Act%
43.00	100	100
71.00	52.40	15.46#
57.00	48.00	25.23#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





TIC: Q3480.D\data.ms

(46) TOLUENE (m)

12.877min (-0.004) 0.10PPBV

response 1333

Ion	Exp%	Act%
92.00	100	100
91.00	170.80	192.12#
65.00	22.90	9.68
0.00	0.00	0.00

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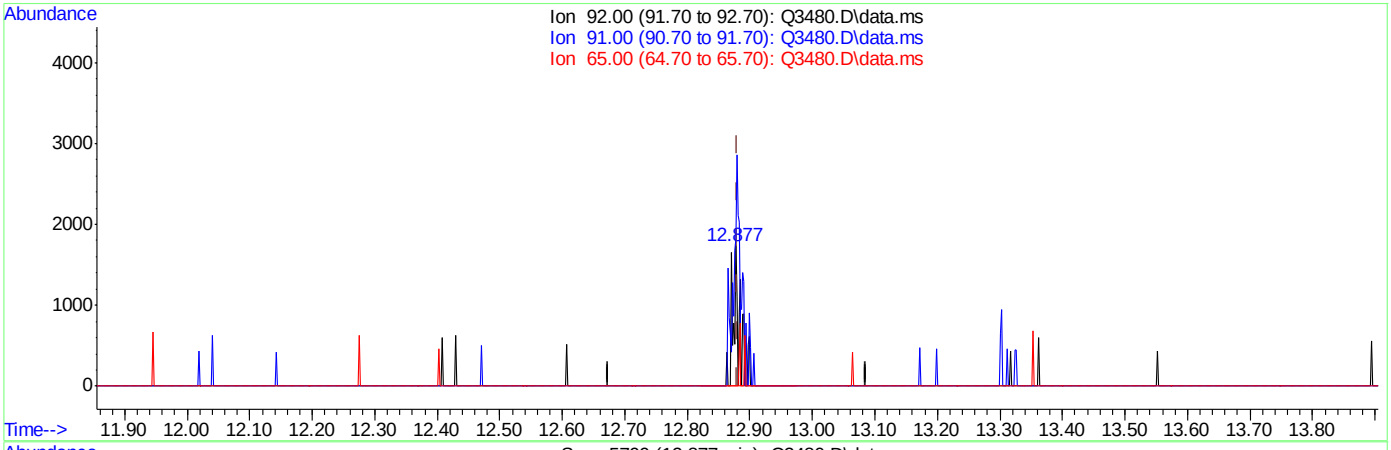
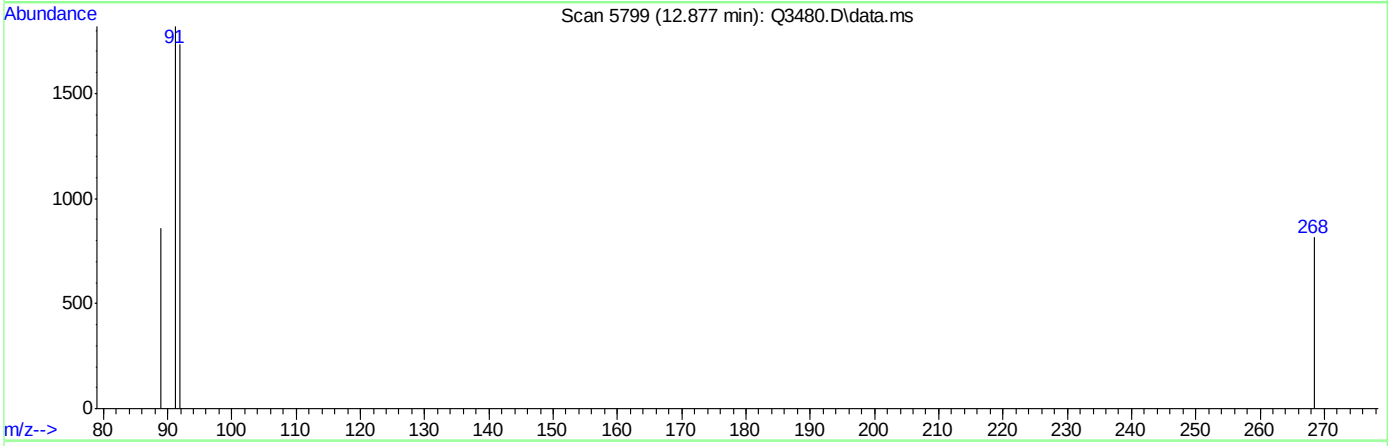
Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On    : 21 May 2007   9:43 pm
Operator  : PhilipB
Sample    : IC189-.2 (M044)
Misc      : MS13602,MSQ189,,,,,1
ALS Vial  : 4   Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration
```



TIC: Q3480.D\data.ms

(46) TOLUENE (m)

12.877min (-0.004) 0.10PPBV m

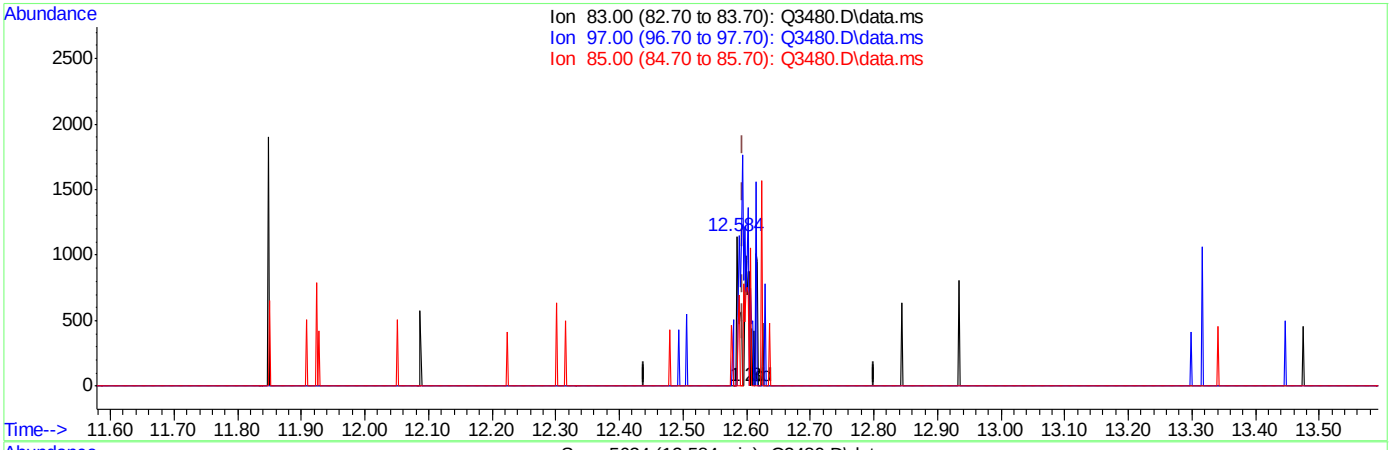
response 1333

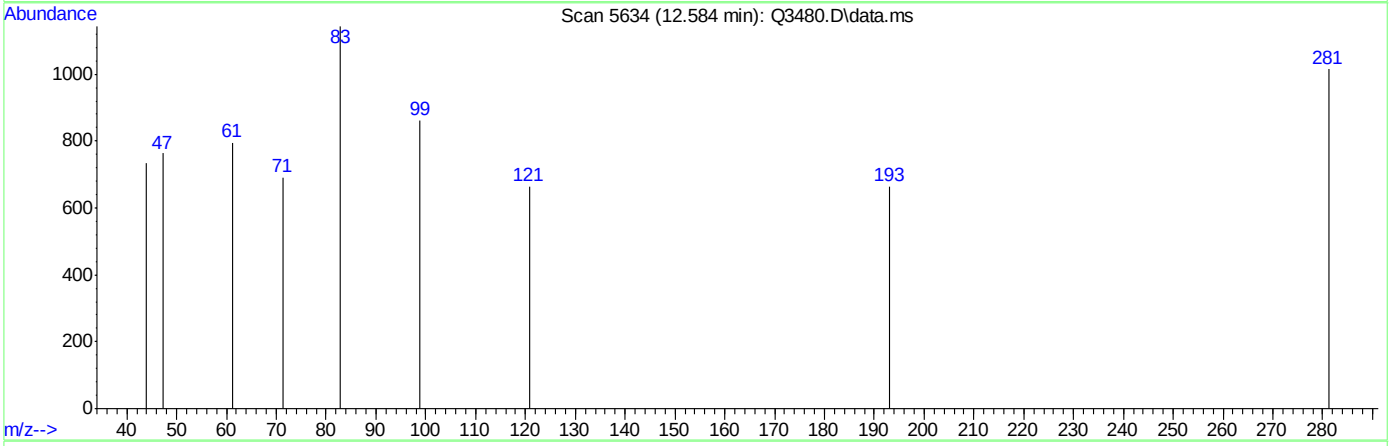
Ion	Exp%	Act%
92.00	100	100
91.00	170.80	192.12#
65.00	22.90	9.68
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





TIC: Q3480.D\data.ms

(48) 1,1,2-TRICHLOROETHANE (m)

12.584min (-0.011) 0.04PPBV

response 349

Ion	Exp%	Act%
83.00	100	100
97.00	121.10	337.25#
85.00	65.40	36.10#
0.00	0.00	0.00

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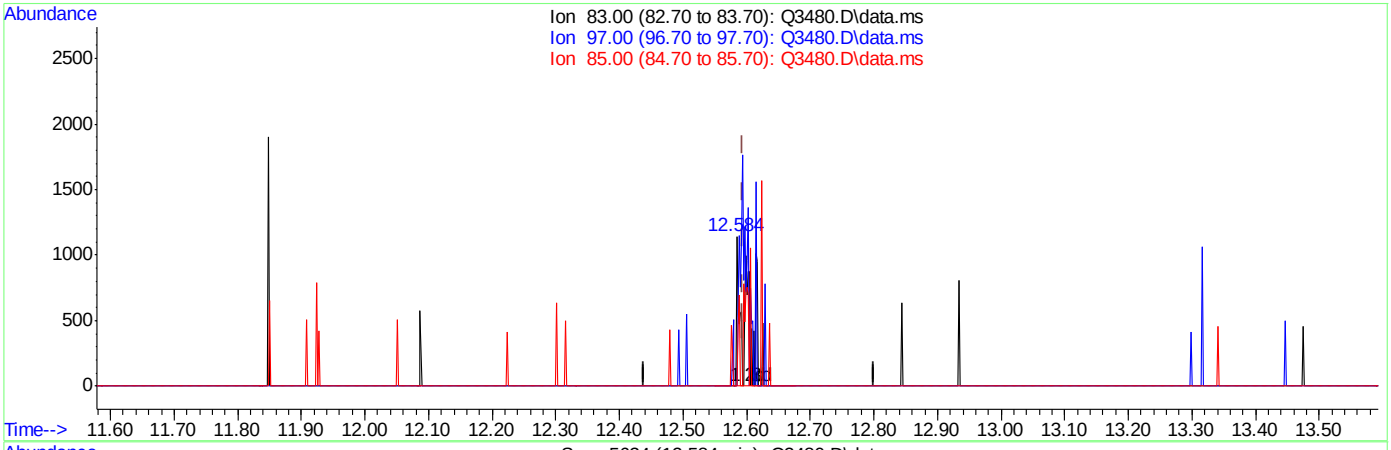
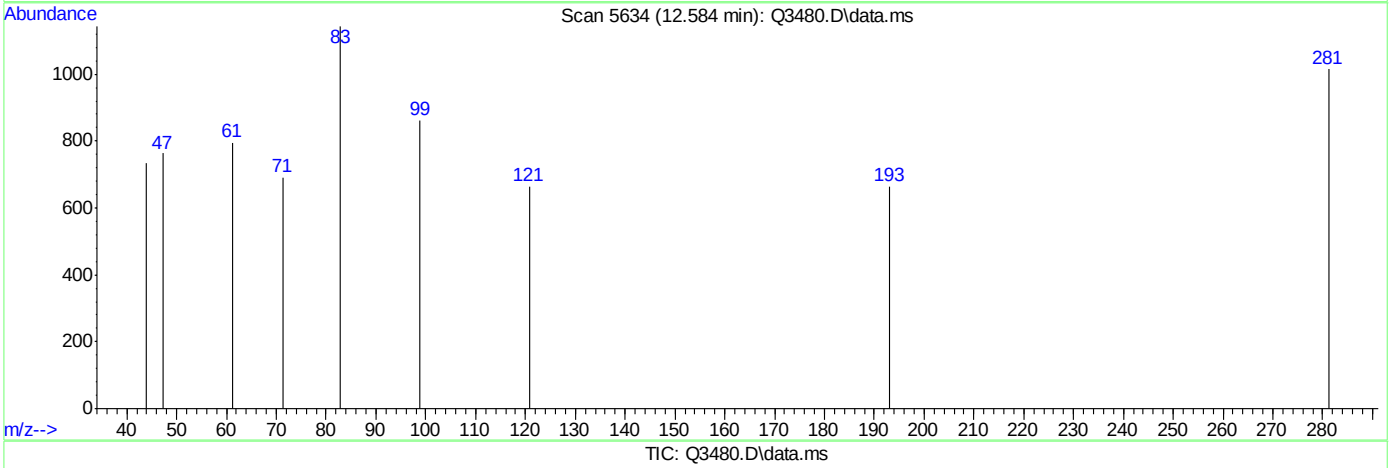
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





TIC: Q3480.D\data.ms

(48) 1,1,2-TRICHLOROETHANE (m)

12.584min (-0.011) 0.14PPBV m

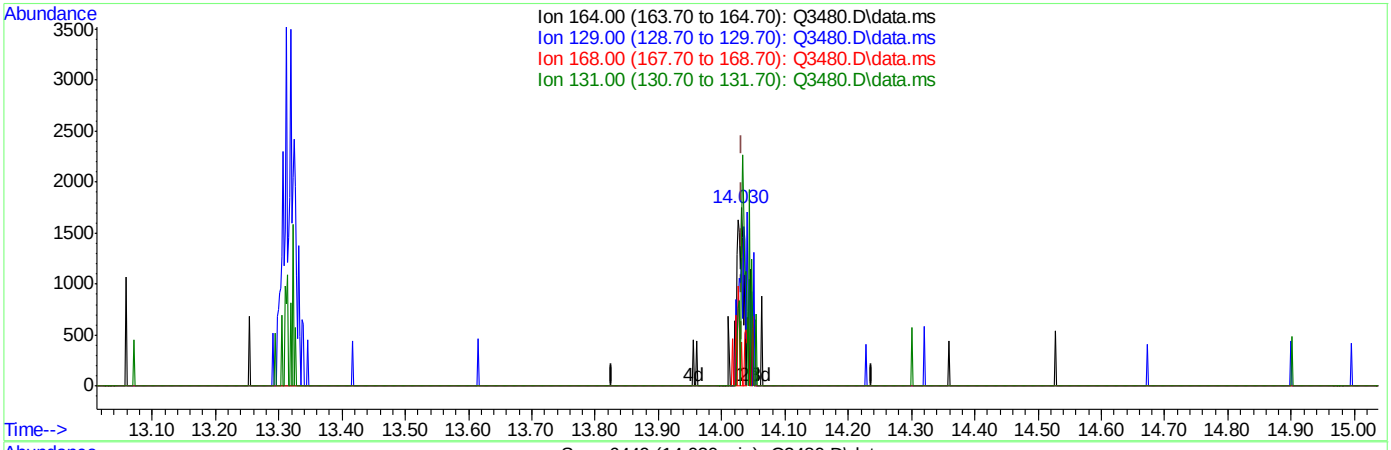
response 1143

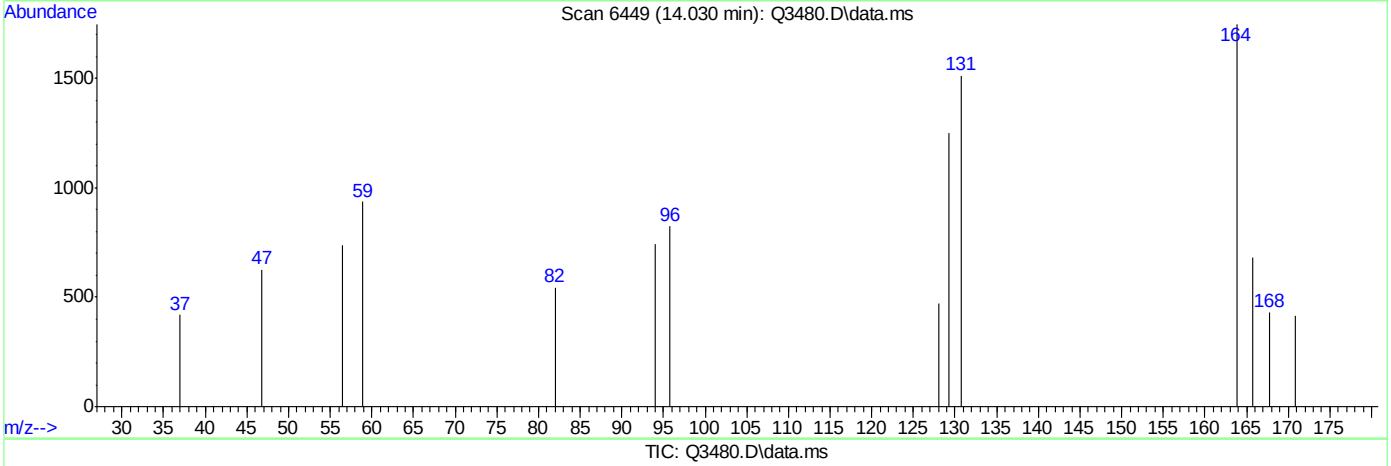
Ion	Exp%	Act%
83.00	100	100
97.00	121.10	102.97
85.00	65.40	11.02#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





TIC: Q3480.D\data.ms

(51) TETRACHLOROETHYLENE (m)

14.030min (-0.002) 0.12PPBV

response 1184

Ion	Exp%	Act%
164.00	100	100
129.00	99.00	0.00#
168.00	60.20	19.43#
131.00	102.50	111.74

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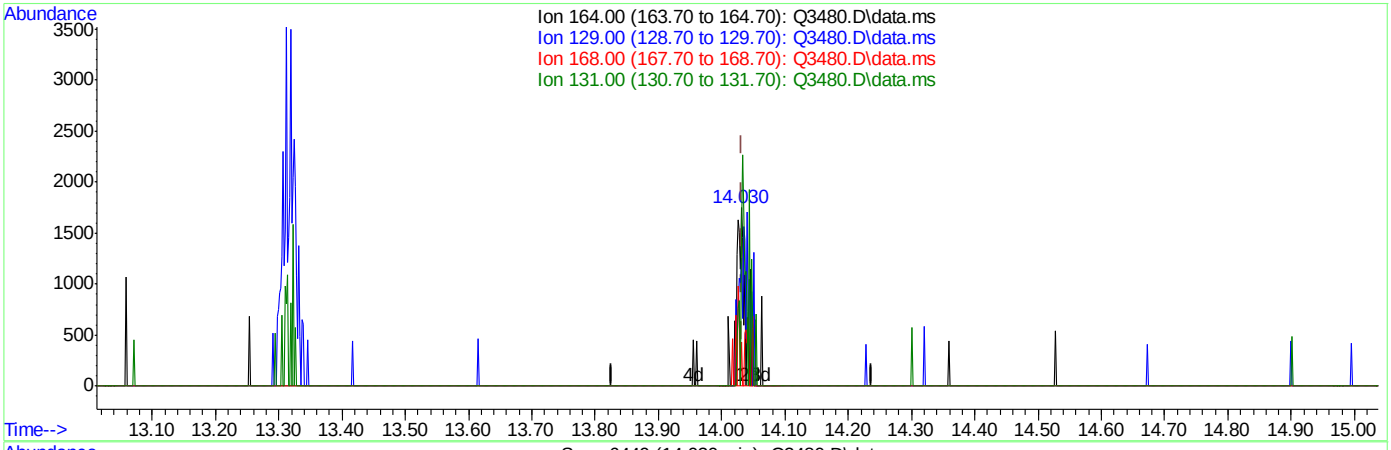
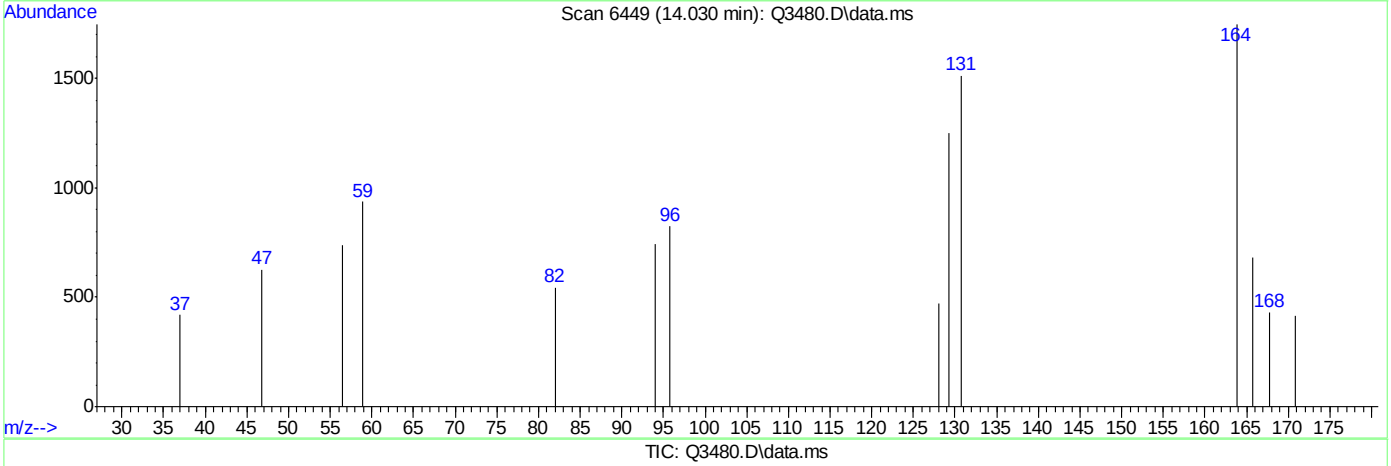
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





TIC: Q3480.D\data.ms

(51) TETRACHLOROETHYLENE (m)

14.030min (-0.002) 0.17PPBV m

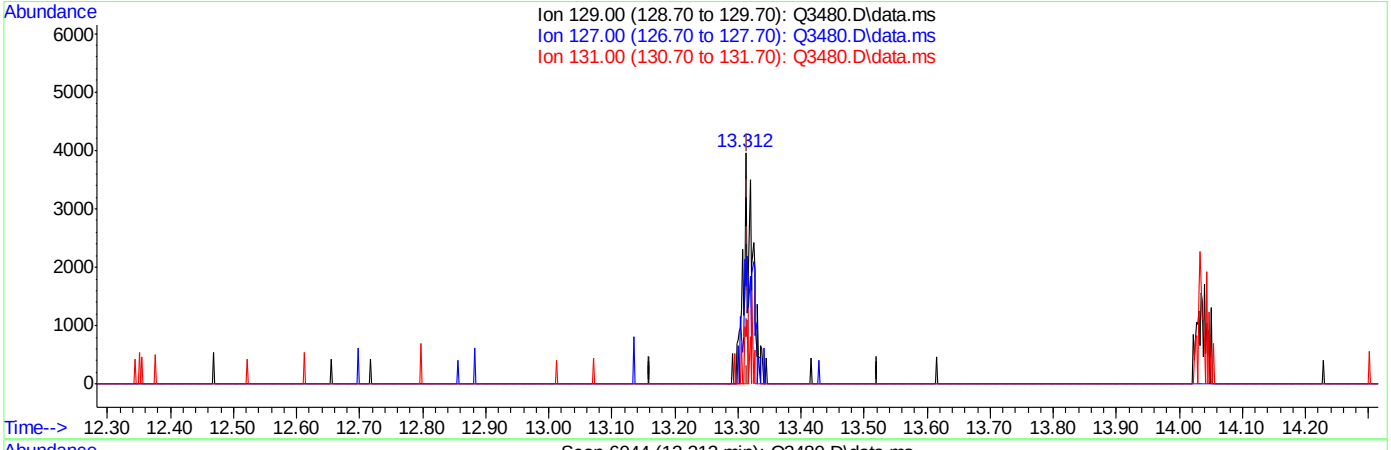
response 1724

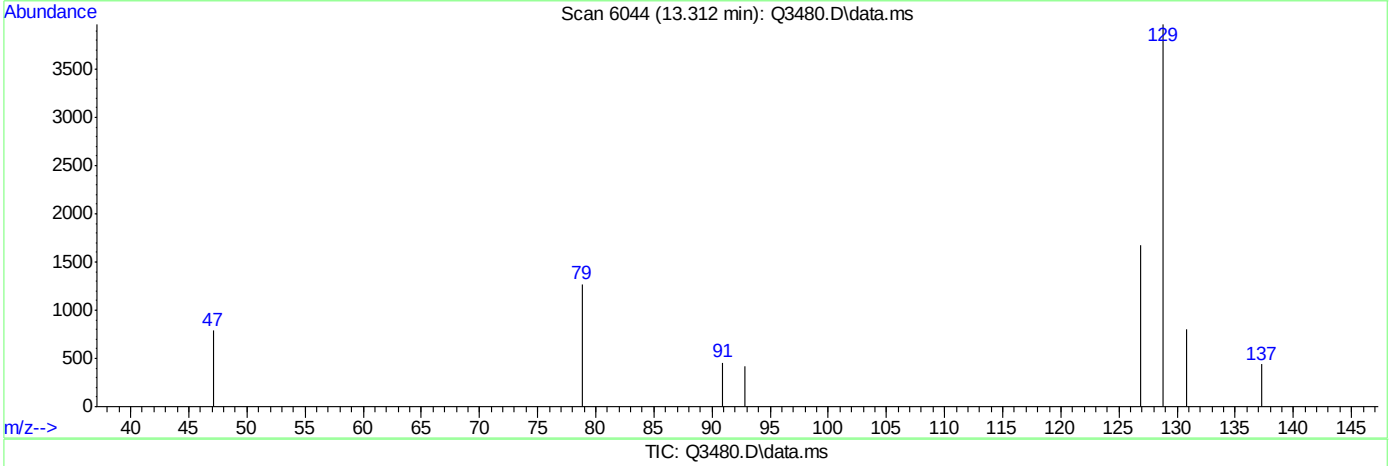
Ion	Exp%	Act%
164.00	100	100
129.00	99.00	0.00#
168.00	60.20	13.34#
131.00	102.50	76.74#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





TIC: Q3480.D\data.ms

(52) DIBROMOCHLOROMETHANE (m)

13.312min (-0.004) 0.07PPBV

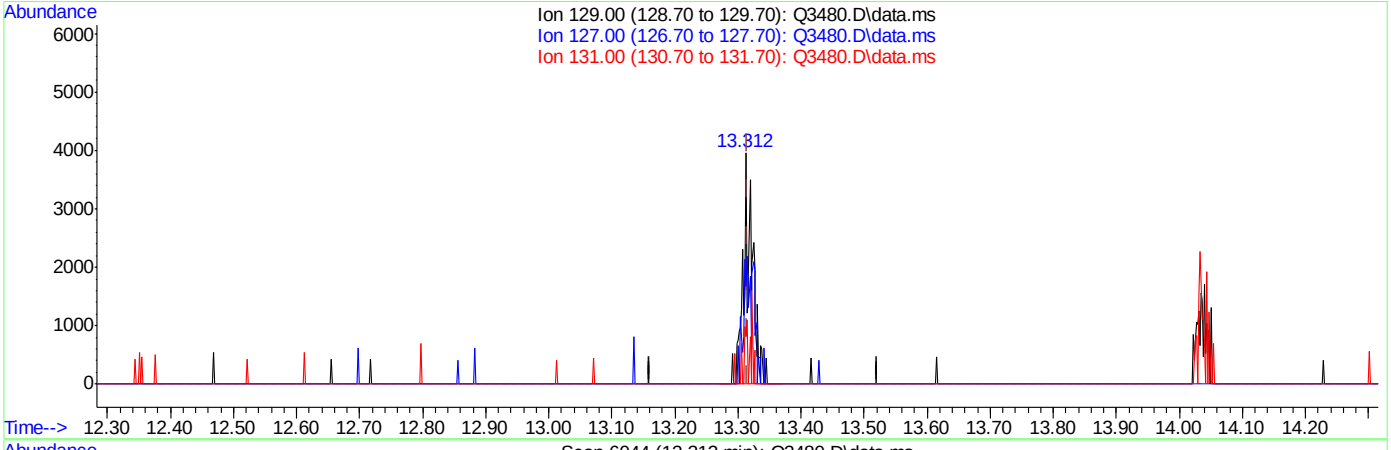
response 1783

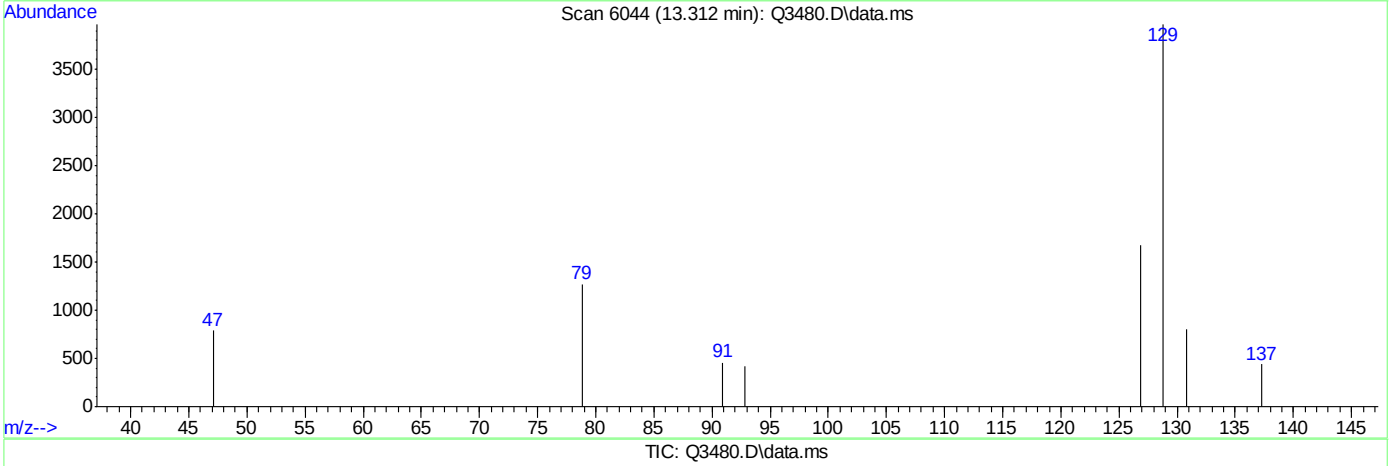
Ion	Exp%	Act%
129.00	100	100
127.00	78.00	144.14#
131.00	25.60	4.21#
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On    : 21 May 2007   9:43 pm
Operator  : PhilipB
Sample    : IC189-.2 (M044)
Misc      : MS13602,MSQ189,,,,,1
ALS Vial  : 4   Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration
```



TIC: Q3480.D\data.ms

(52) DIBROMOCHLOROMETHANE (m)

13.312min (-0.004) 0.16PPBV m

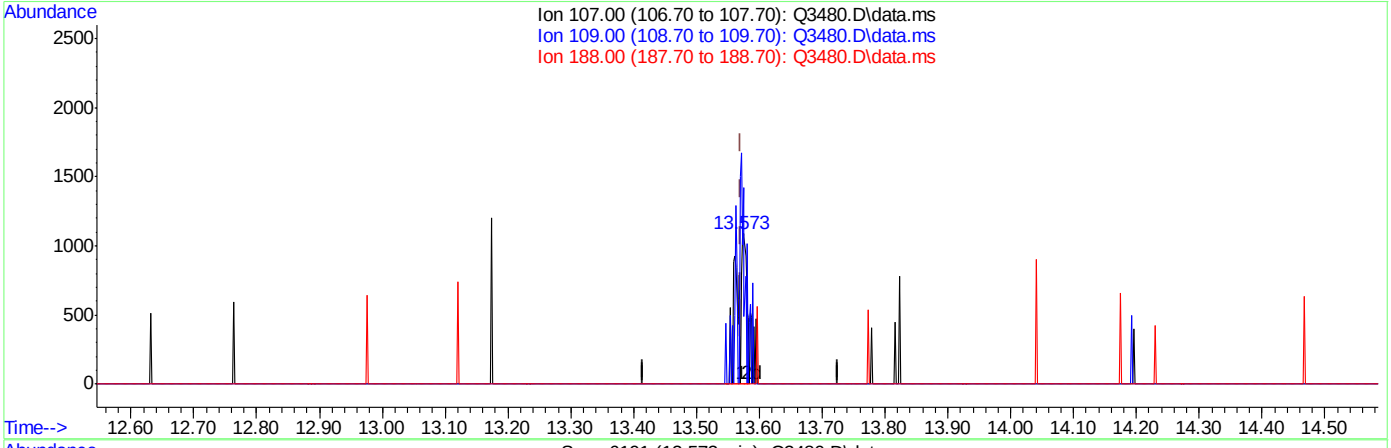
response 3752

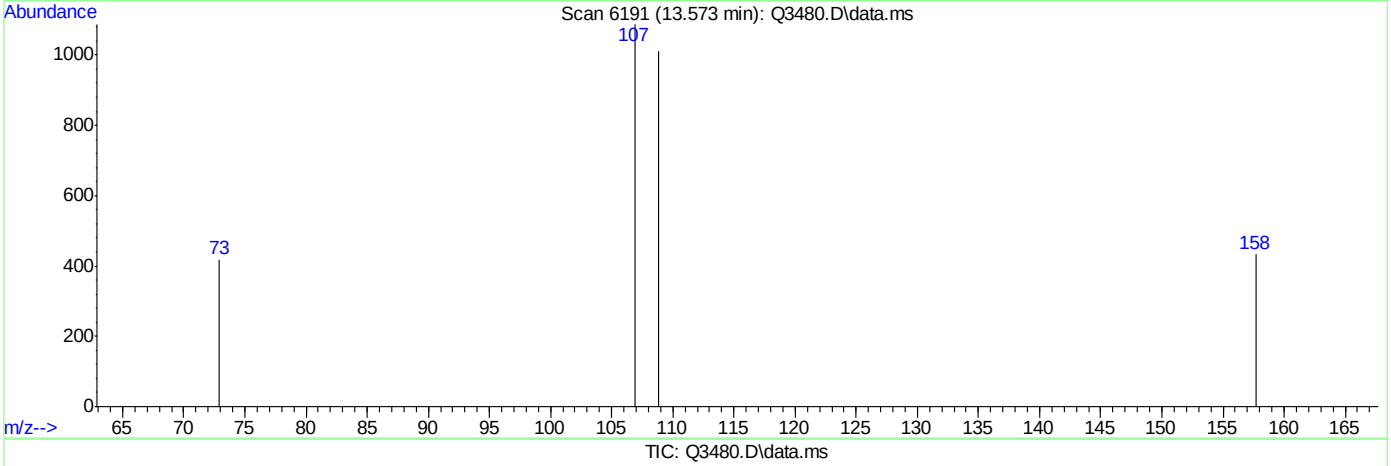
Ion	Exp%	Act%
129.00	100	100
127.00	78.00	68.50
131.00	25.60	2.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





TIC: Q3480.D\data.ms

(53) 1,2-DIBROMOETHANE (m)

13.573min (+0.002) 0.07PPBV

response 1246

Ion	Exp%	Act%
107.00	100	100
109.00	93.80	116.69#
188.00	2.80	0.00
0.00	0.00	0.00

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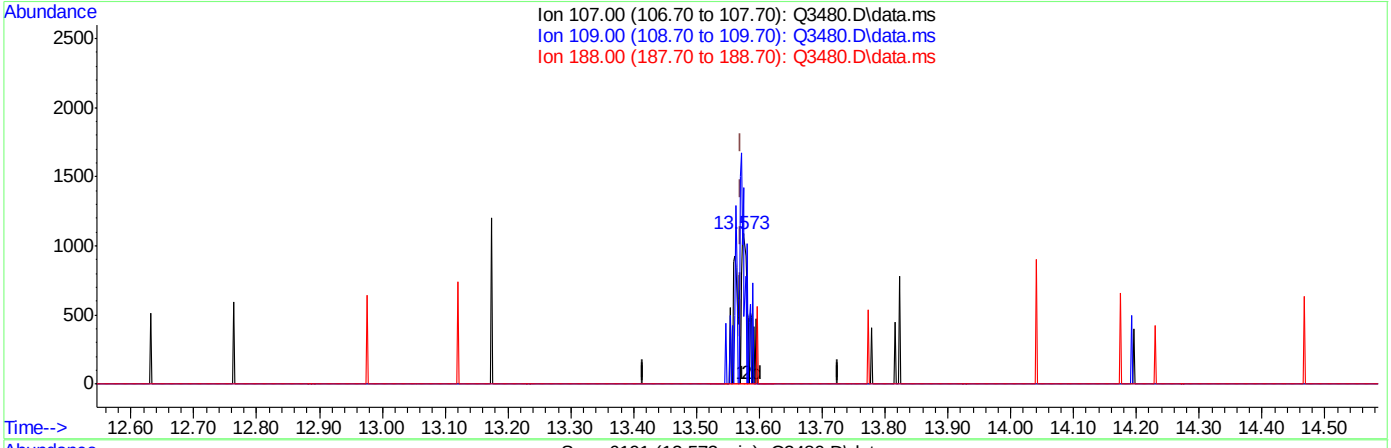
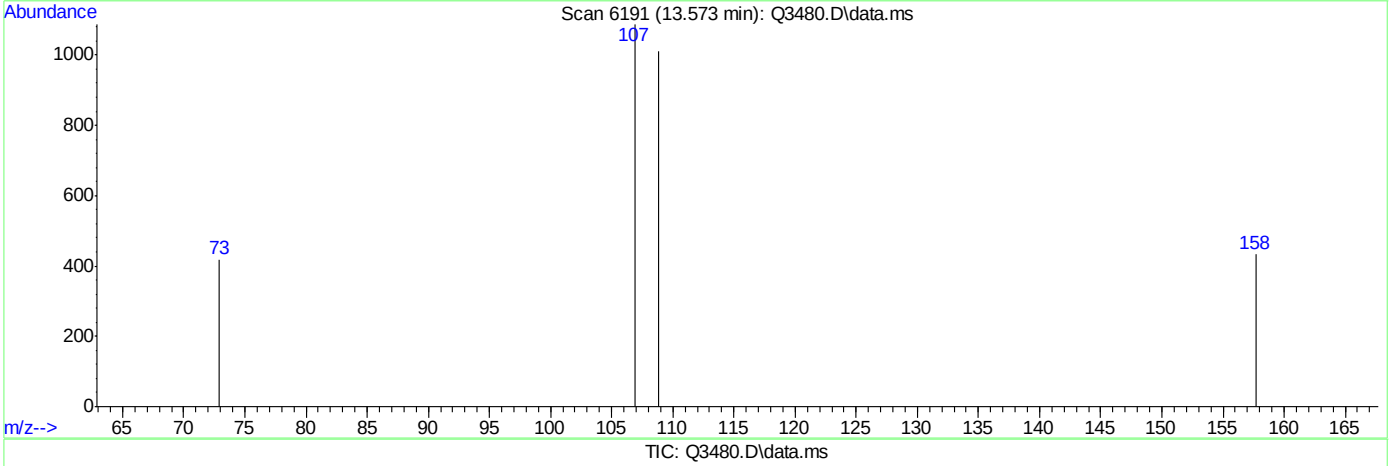
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





TIC: Q3480.D\data.ms

(53) 1,2-DIBROMOETHANE (m)

13.573min (+0.002) 0.08PPBV m

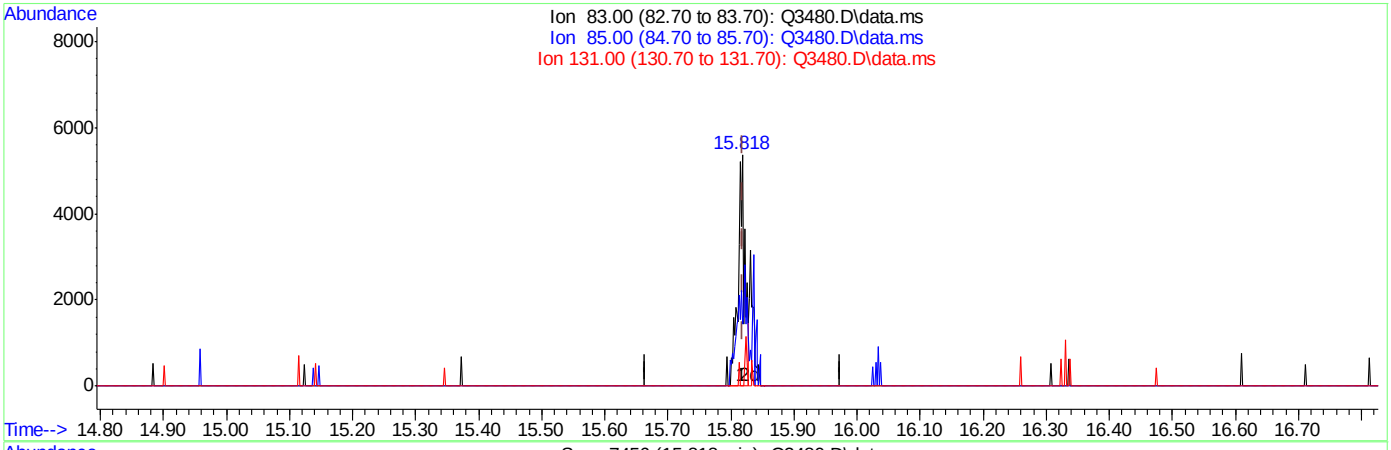
response 1447

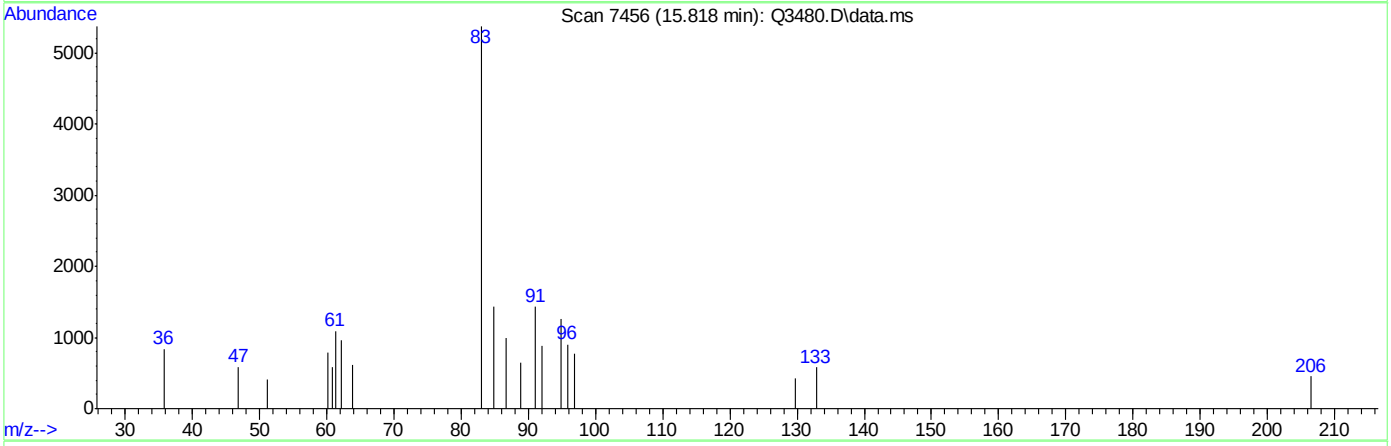
Ion	Exp%	Act%
107.00	100	100
109.00	93.80	100.48
188.00	2.80	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





TIC: Q3480.D\data.ms

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

15.818min (-0.002) 0.17PPBV

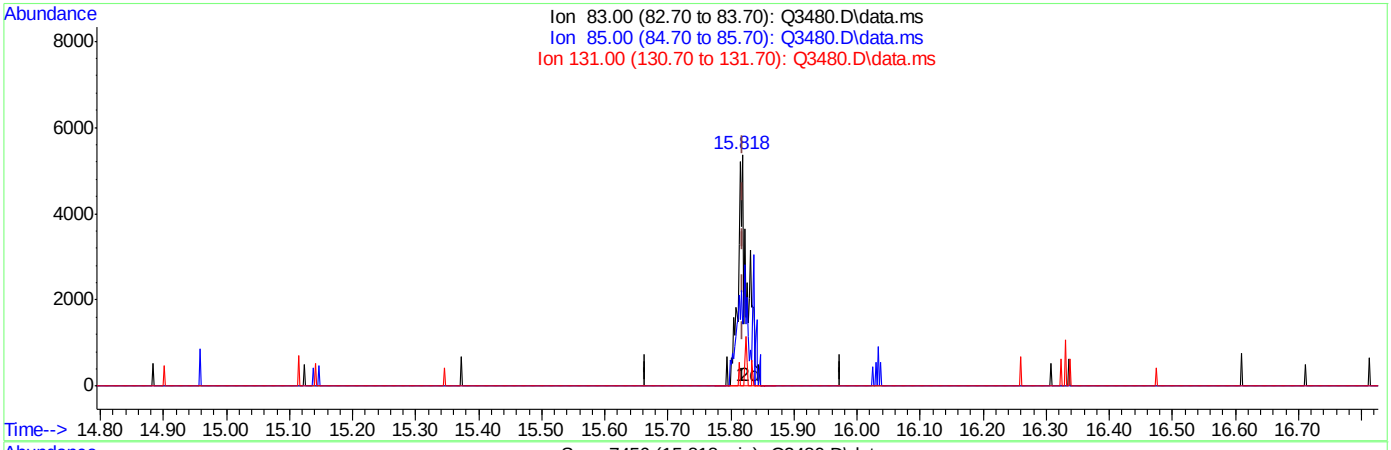
response 3953

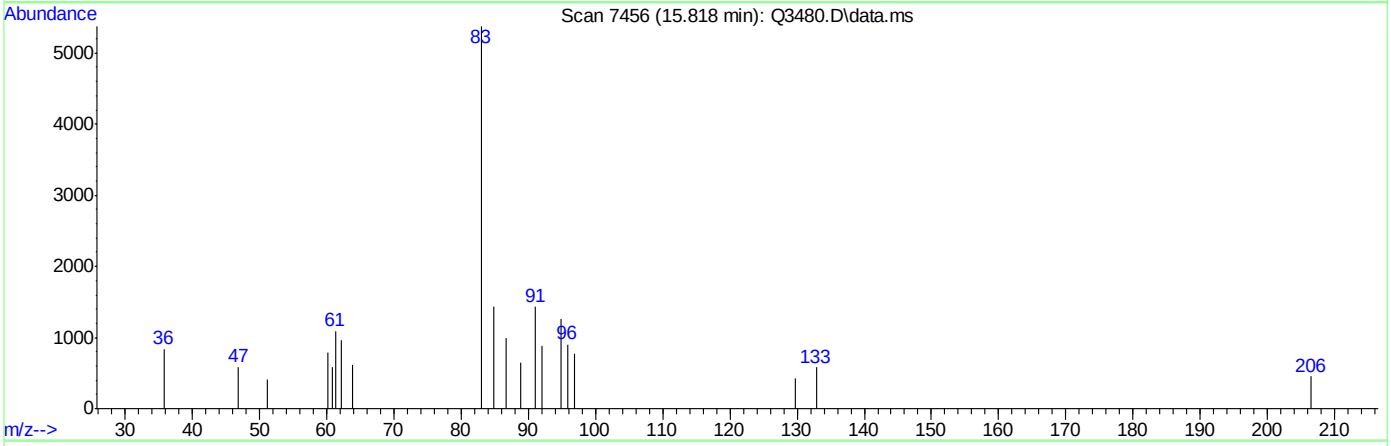
Ion	Exp%	Act%
83.00	100	100
85.00	63.60	0.00#
131.00	14.70	6.20
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





TIC: Q3480.D\data.ms

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

15.818min (-0.002) 0.24PPBV m

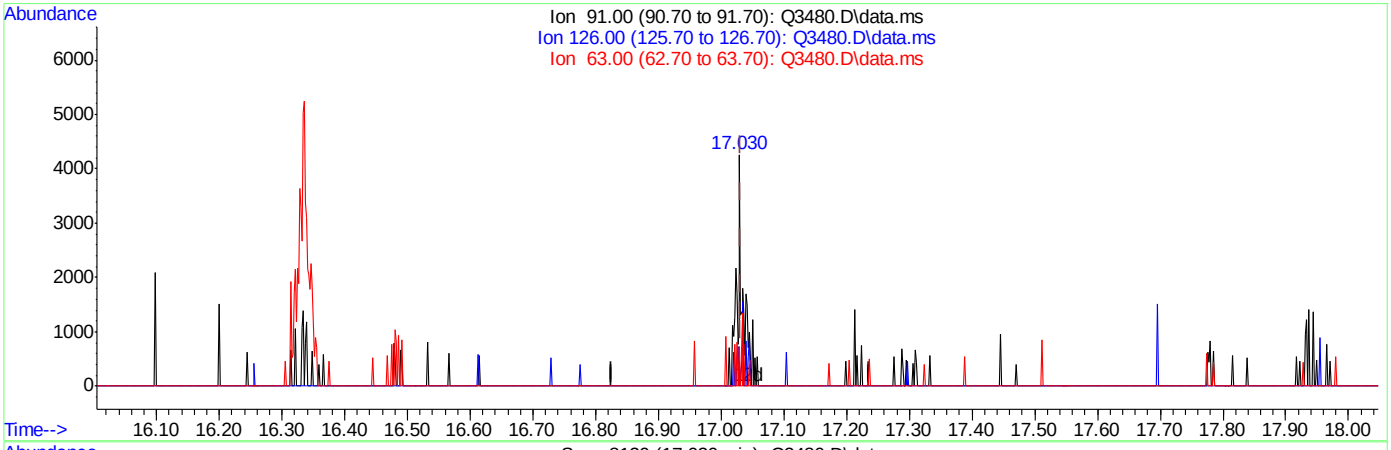
response 5486

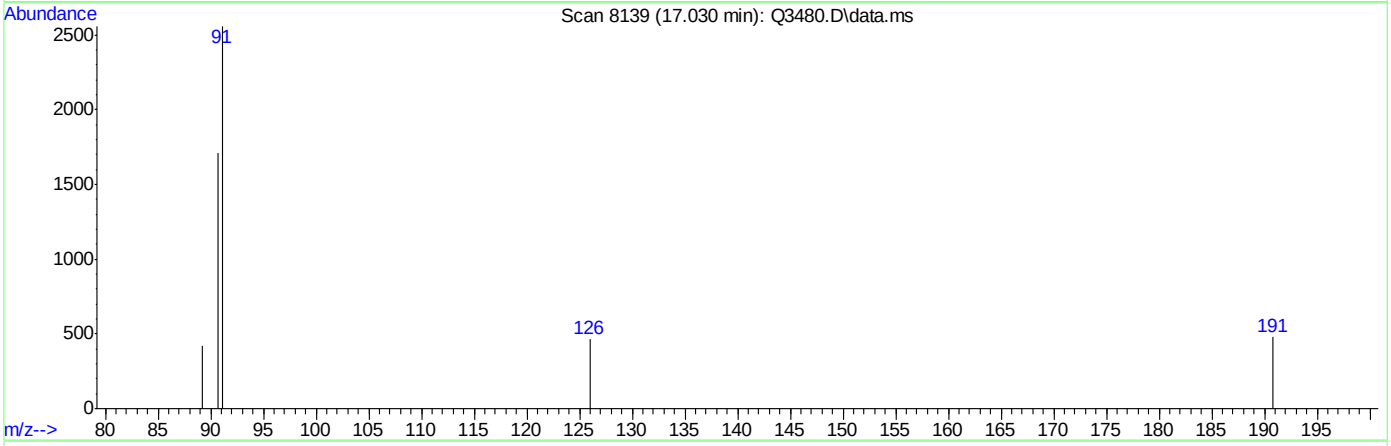
Ion	Exp%	Act%
83.00	100	100
85.00	63.60	0.00#
131.00	14.70	4.47
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





TIC: Q3480.D\data.ms

(64) 2-CHLOROTOLUENE (m)

17.030min (-0.002) 0.10PPBV

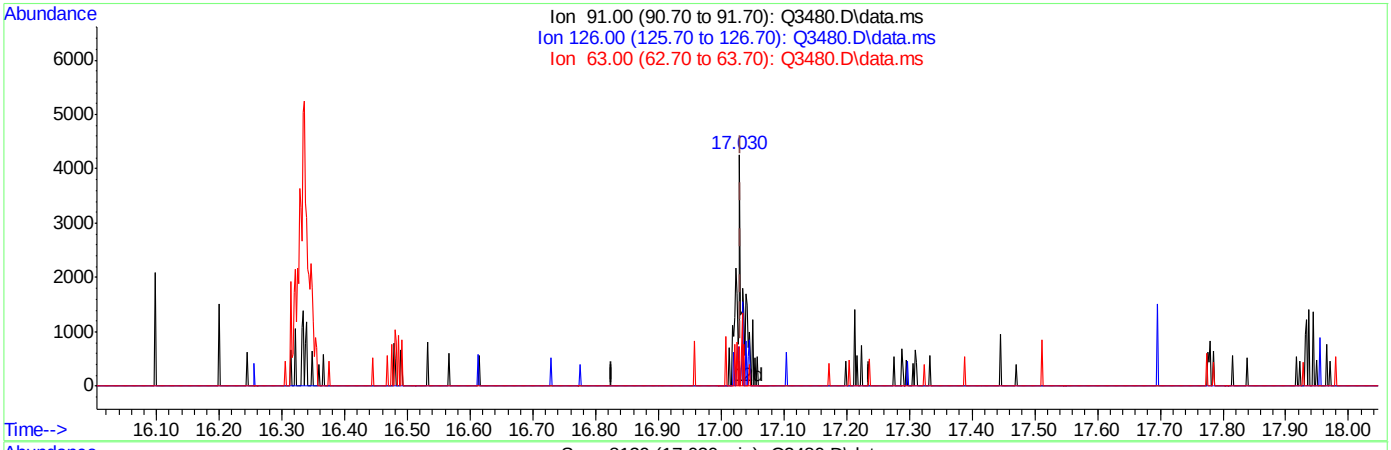
response 2762

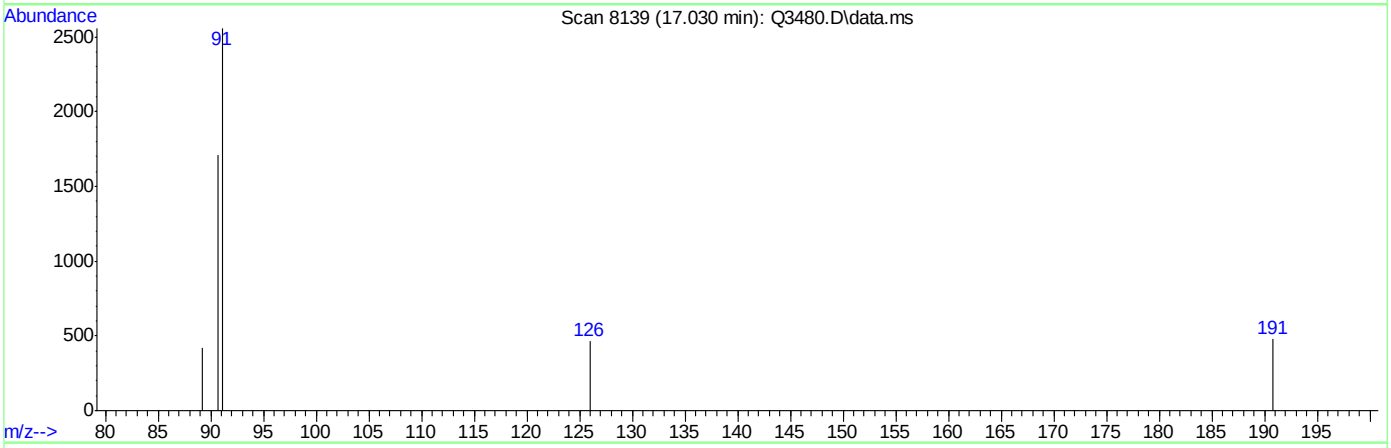
Ion	Exp%	Act%
91.00	100	100
126.00	36.10	18.07
63.00	18.60	11.01
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





(64) 2-CHLOROTOLUENE (m)

17.030min (-0.002) 0.11PPBV m

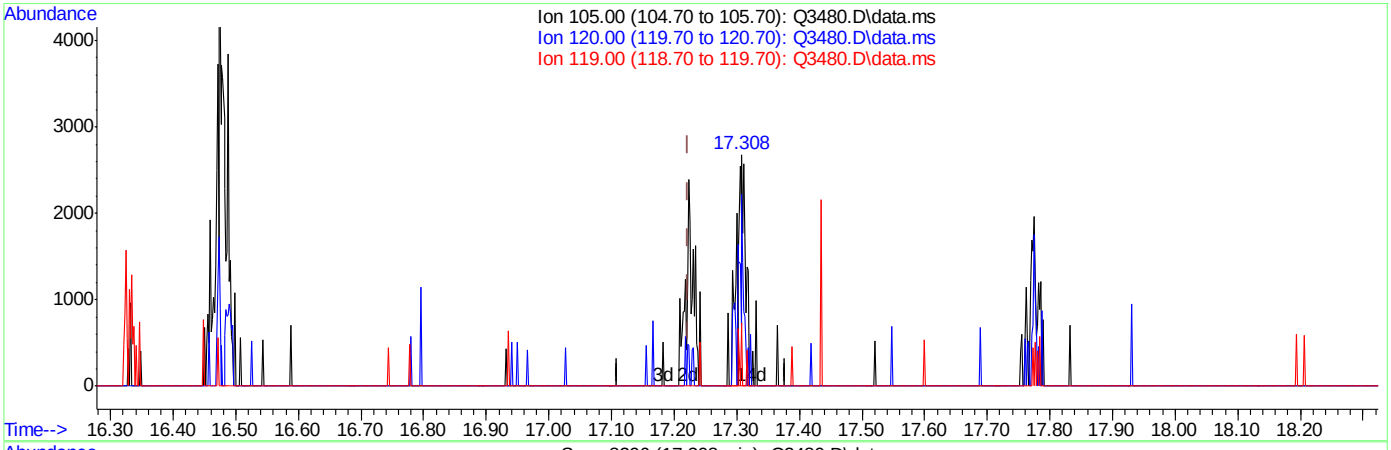
response 3006

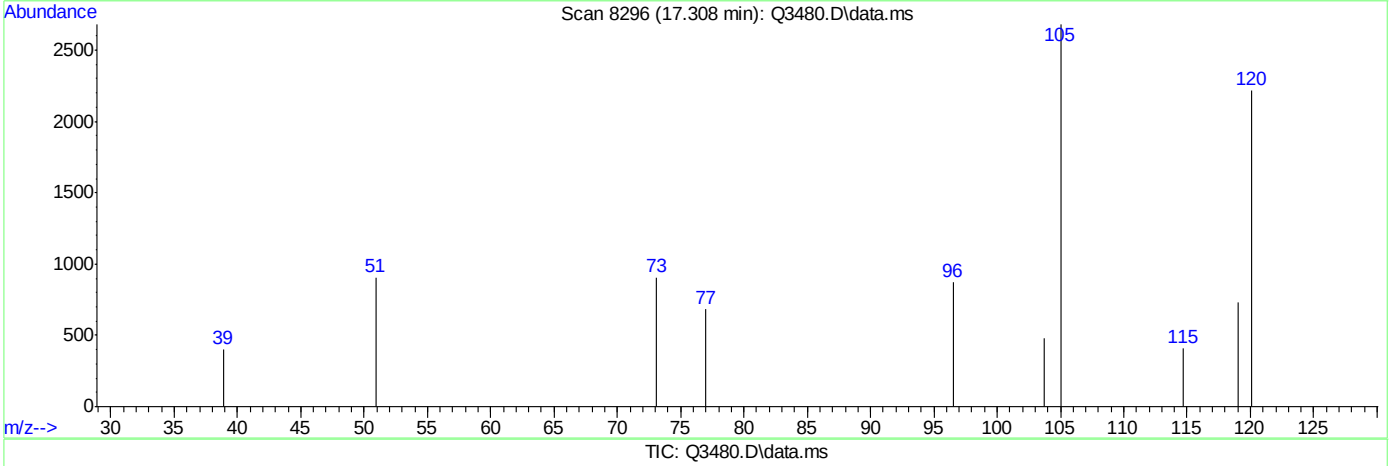
Ion	Exp%	Act%
91.00	100	100
126.00	36.10	16.60
63.00	18.60	10.11
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





TIC: Q3480.D\data.ms

(65) 4-ETHYLTOLUENE (m)

17.308min (+0.085) 0.08PPBV

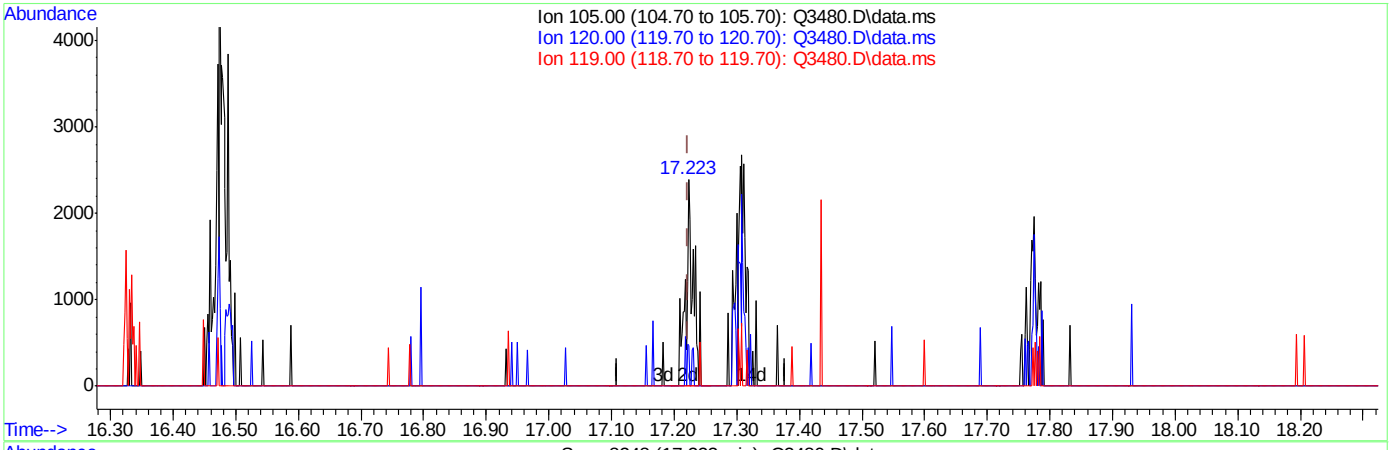
response 2718

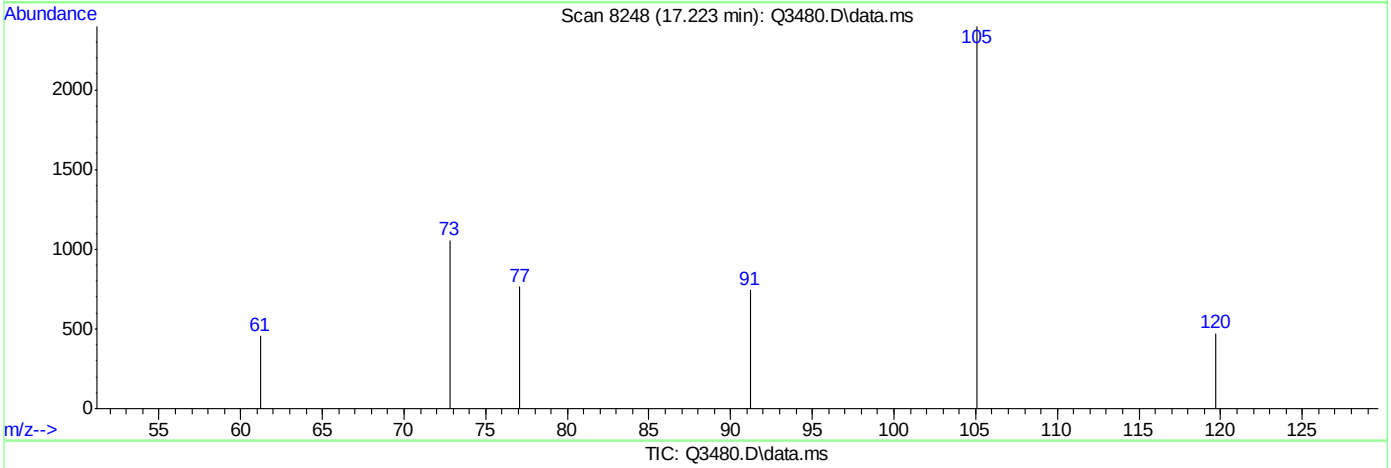
Ion	Exp%	Act%
105.00	100	100
120.00	30.20	44.67
119.00	2.30	8.06
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On    : 21 May 2007   9:43 pm
Operator  : PhilipB
Sample    : IC189-.2 (M044)
Misc      : MS13602,MSQ189,,,,,1
ALS Vial  : 4   Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration
```



TIC: Q3480.D\data.ms

(65) 4-ETHYLTOLUENE (m)

17.223min (-0.000) 0.06PPBV m

response 2006

Ion	Exp%	Act%
105.00	100	100
120.00	30.20	60.52#
119.00	2.30	10.92
0.00	0.00	0.00

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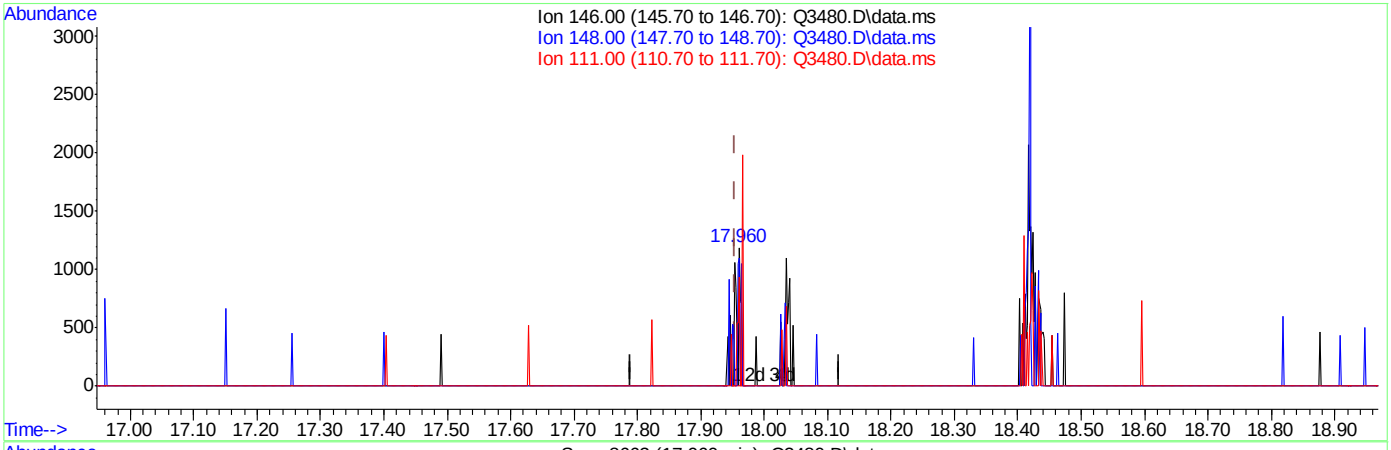
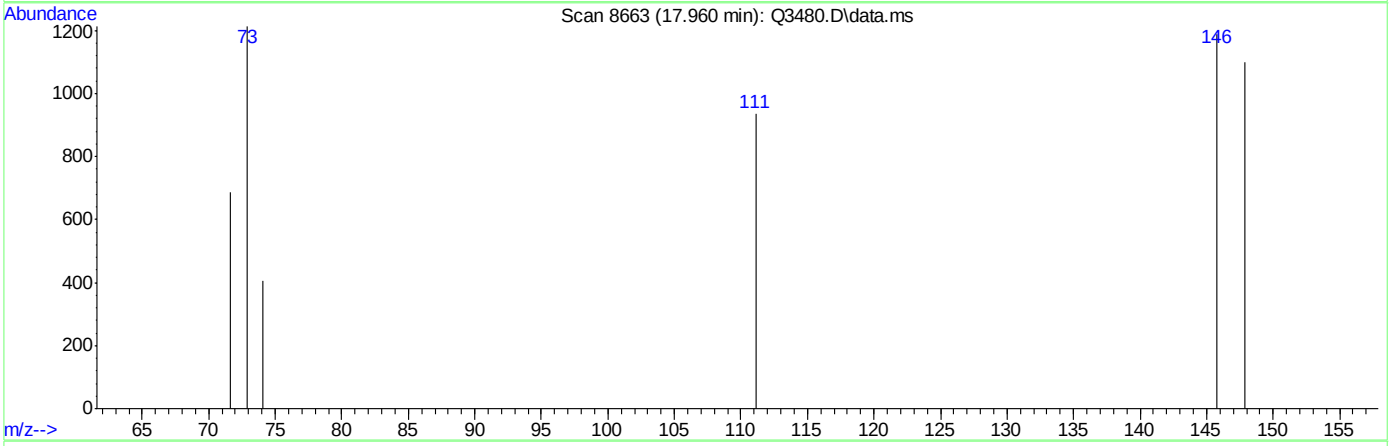
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





TIC: Q3480.D\data.ms

(68) m-DICHLOROBENZENE (m)

17.960min (+0.005) 0.03PPBV

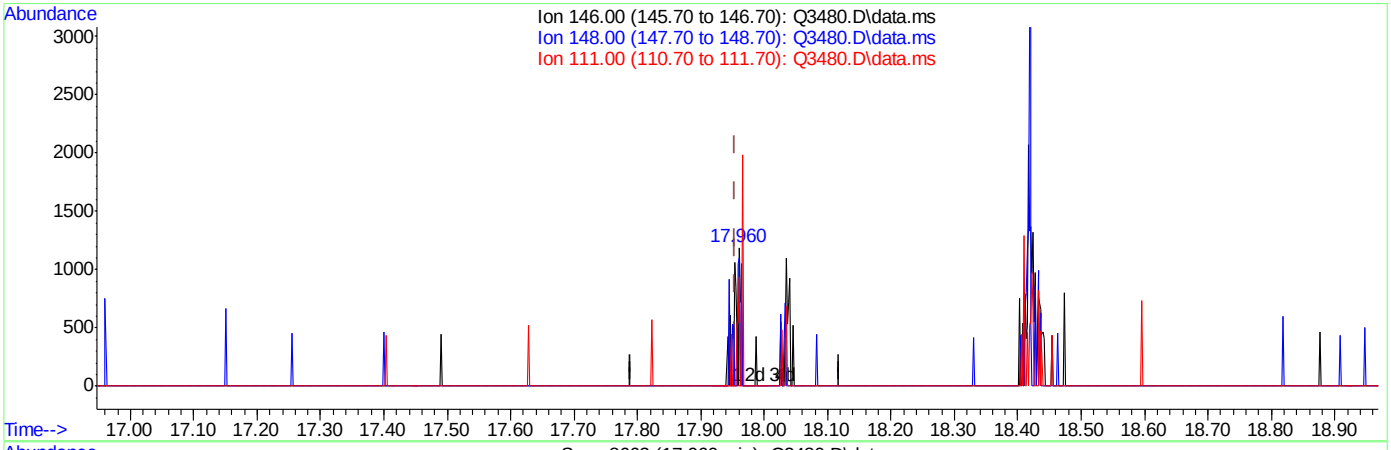
response 530

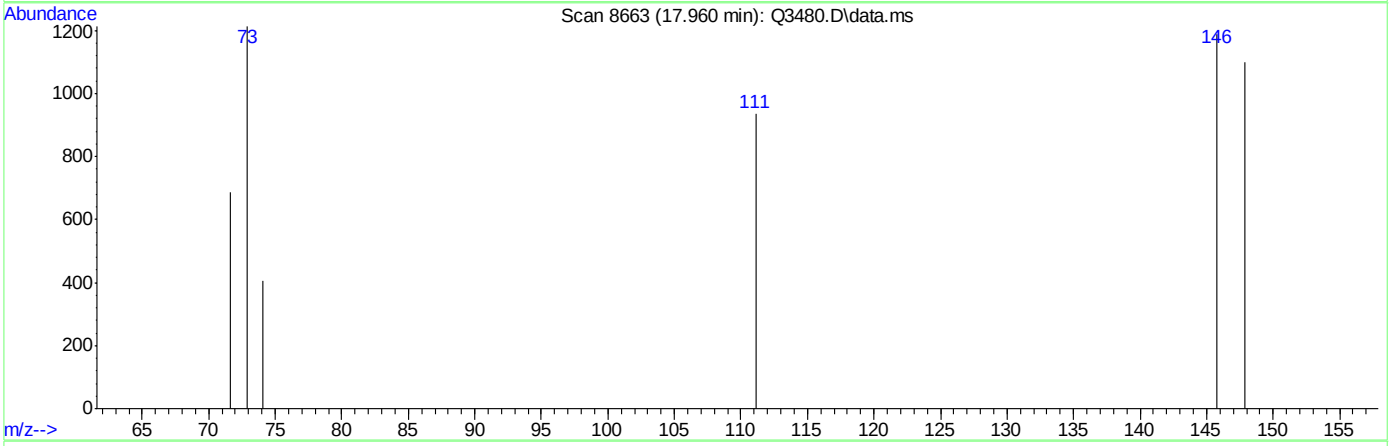
Ion	Exp%	Act%
146.00	100	100
148.00	62.90	64.34
111.00	41.00	80.57#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





TIC: Q3480.D\data.ms

(68) m-DICHLOROBENZENE (m)

17.960min (+0.005) 0.04PPBV m

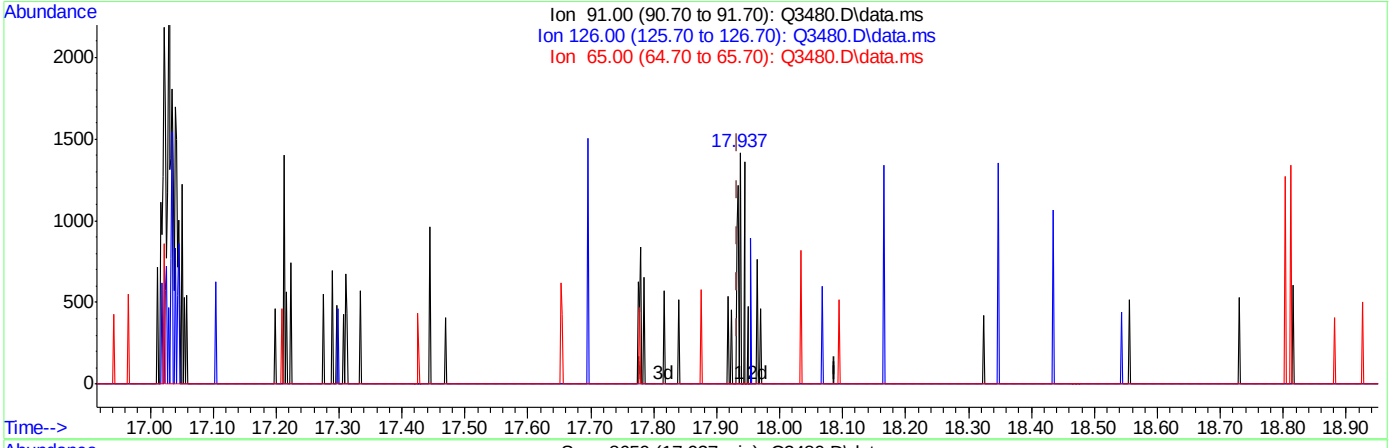
response 685

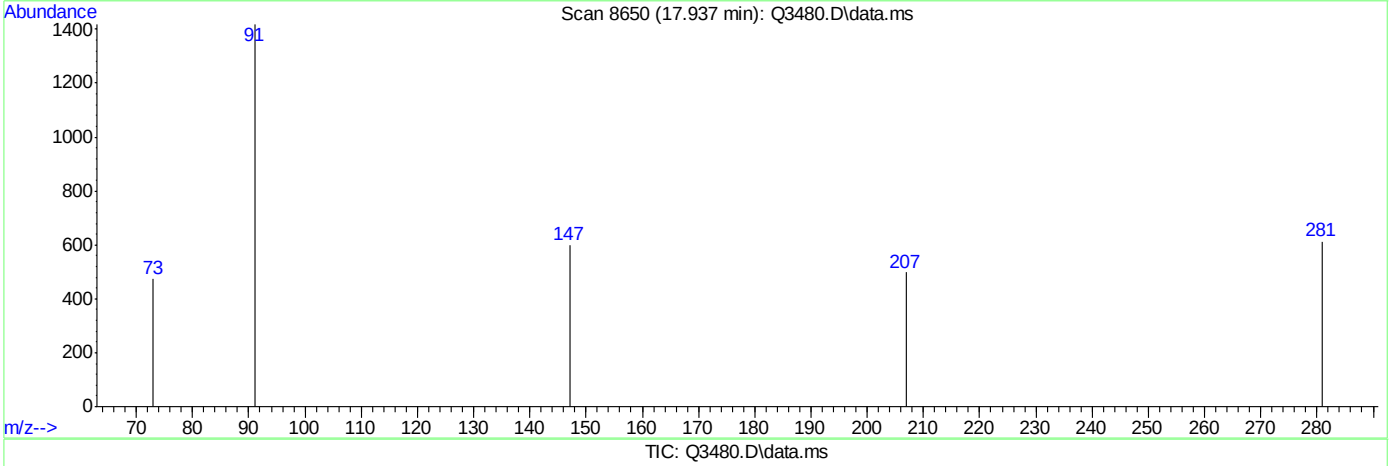
Ion	Exp%	Act%
146.00	100	100
148.00	62.90	49.78
111.00	41.00	62.34#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





TIC: Q3480.D\data.ms

(69) BENZYL CHLORIDE (m)

17.937min (+0.003) 0.04PPBV

response 684

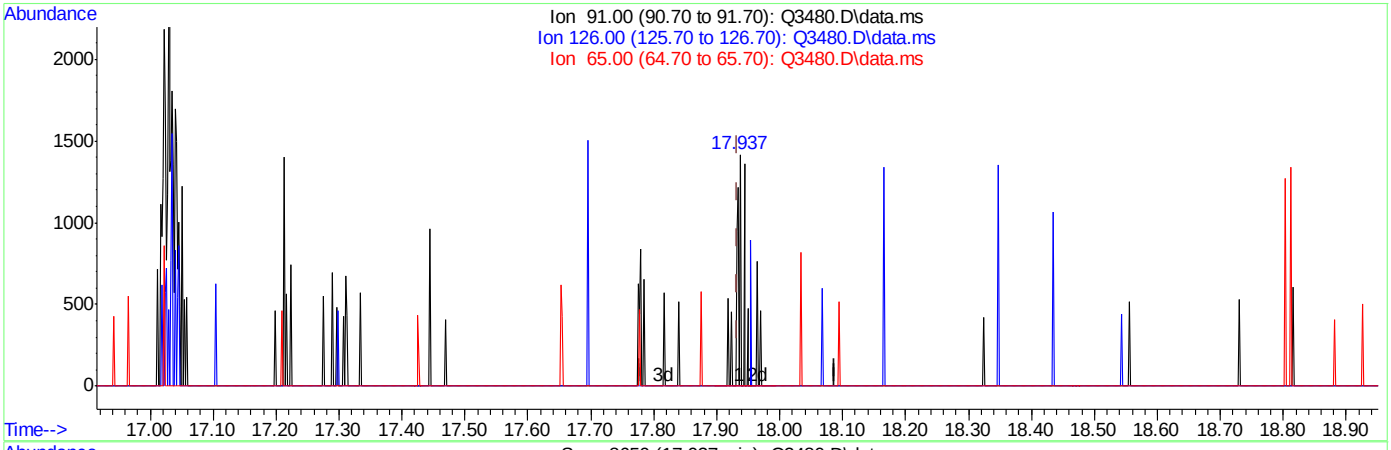
Ion	Exp%	Act%
91.00	100	100
126.00	20.90	0.00#
65.00	12.30	0.00
0.00	0.00	0.00

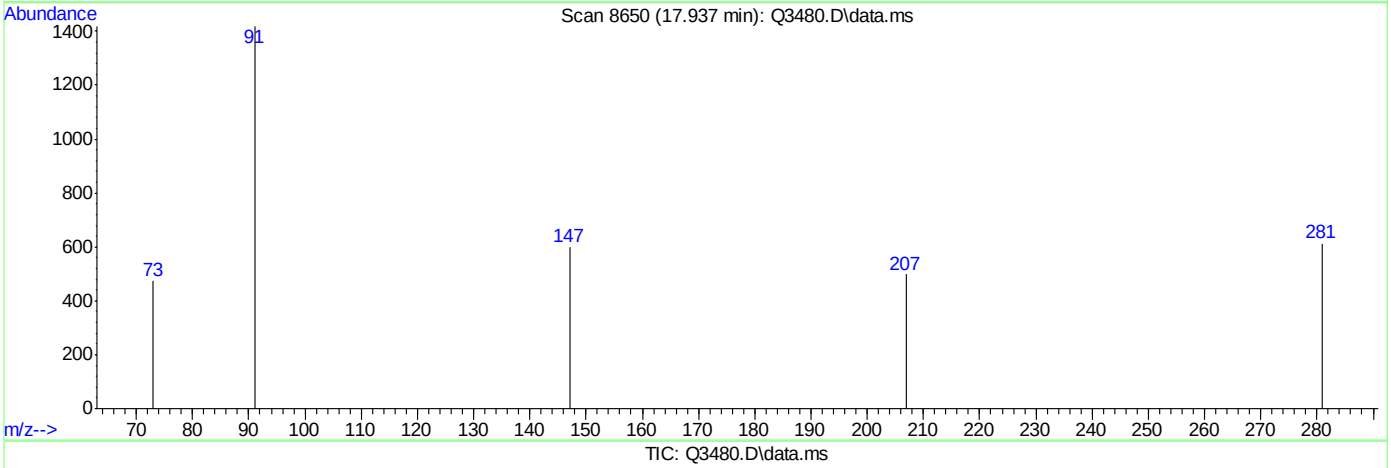
ACCUTEST Laboratories M64940

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





TIC: Q3480.D\data.ms

(69) BENZYL CHLORIDE (m)

17.937min (+0.003) 0.05PPBV m

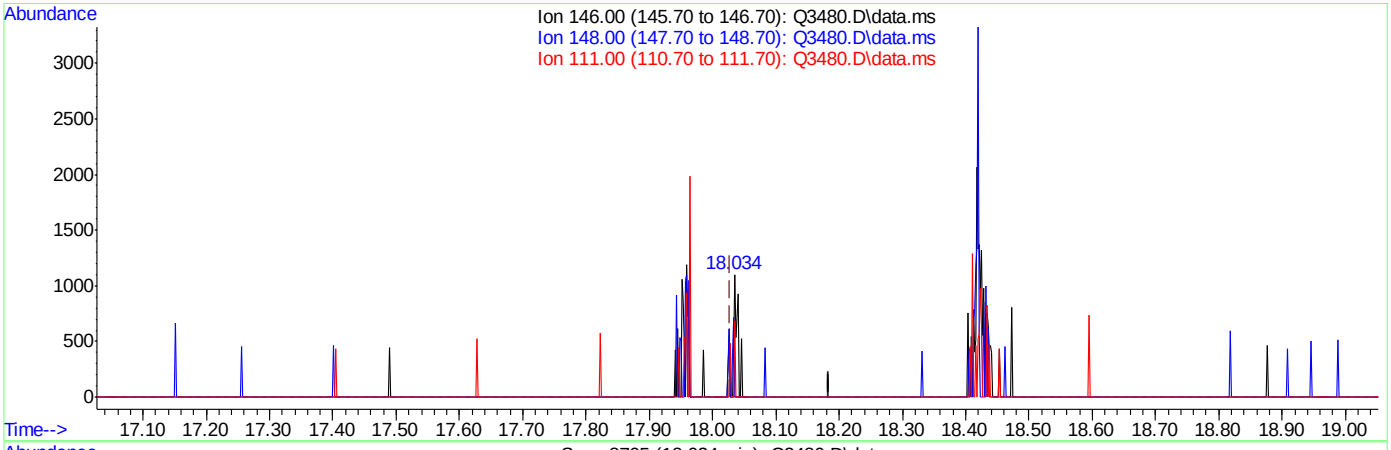
response 813

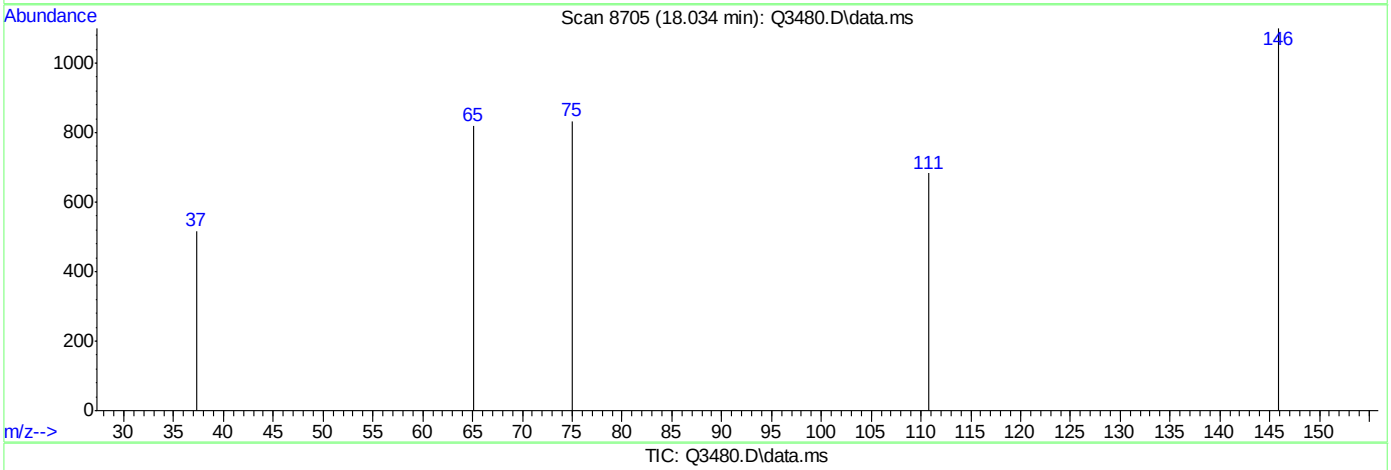
Ion	Exp%	Act%
91.00	100	100
126.00	20.90	0.00#
65.00	12.30	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





TIC: Q3480.D\data.ms

(70) p-DICHLOROBENZENE (m)

18.034min (+0.005) 0.03PPBV

response 455

Ion	Exp%	Act%
146.00	100	100
148.00	64.20	40.44#
111.00	38.90	11.43#
0.00	0.00	0.00

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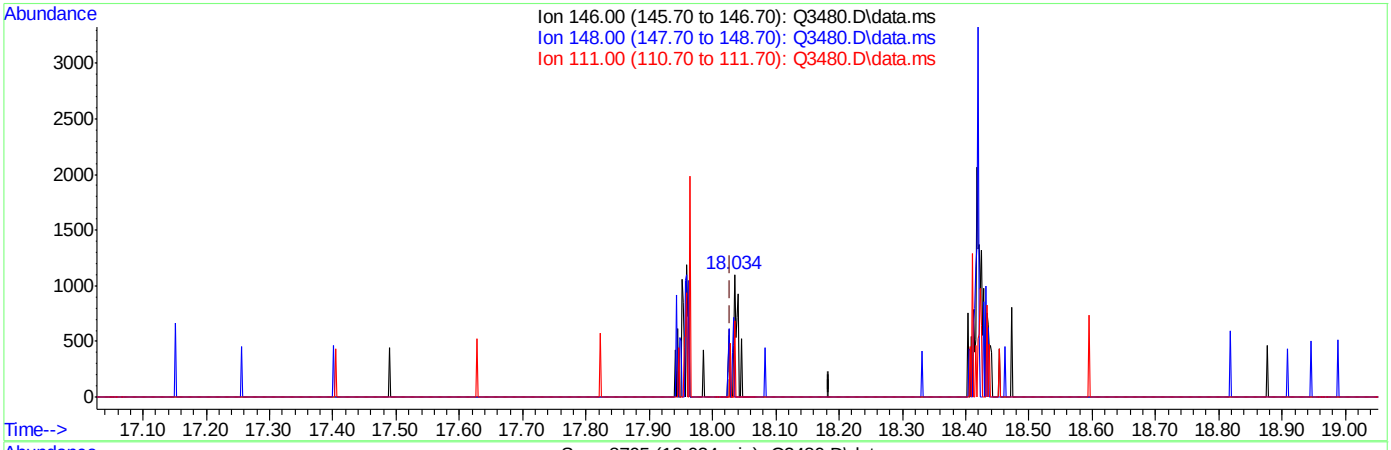
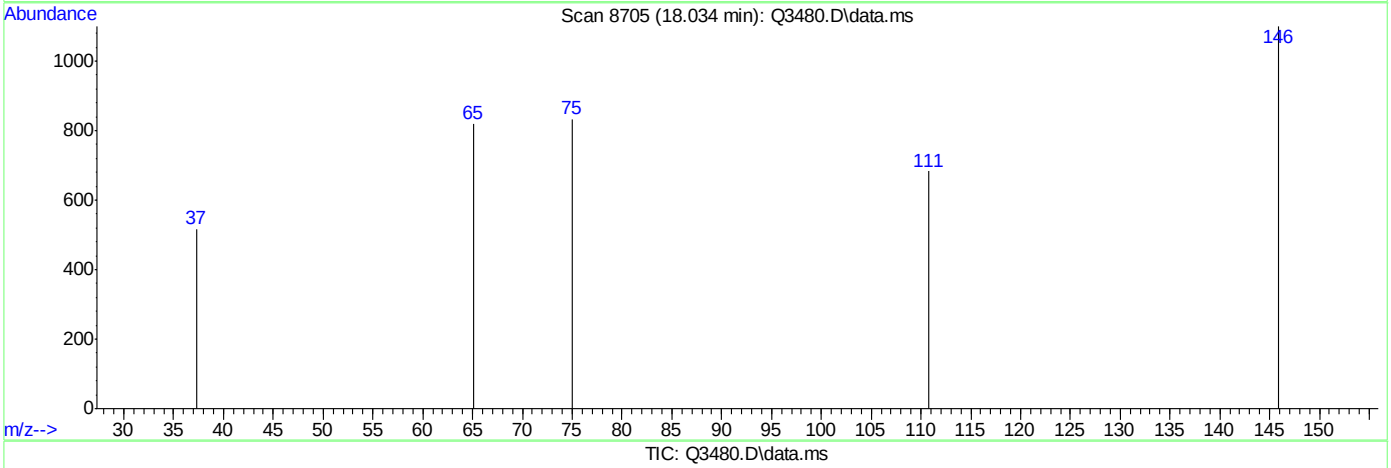
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





TIC: Q3480.D\data.ms

(70) p-DICHLOROBENZENE (m)

18.034min (+0.005) 0.03PPBV m

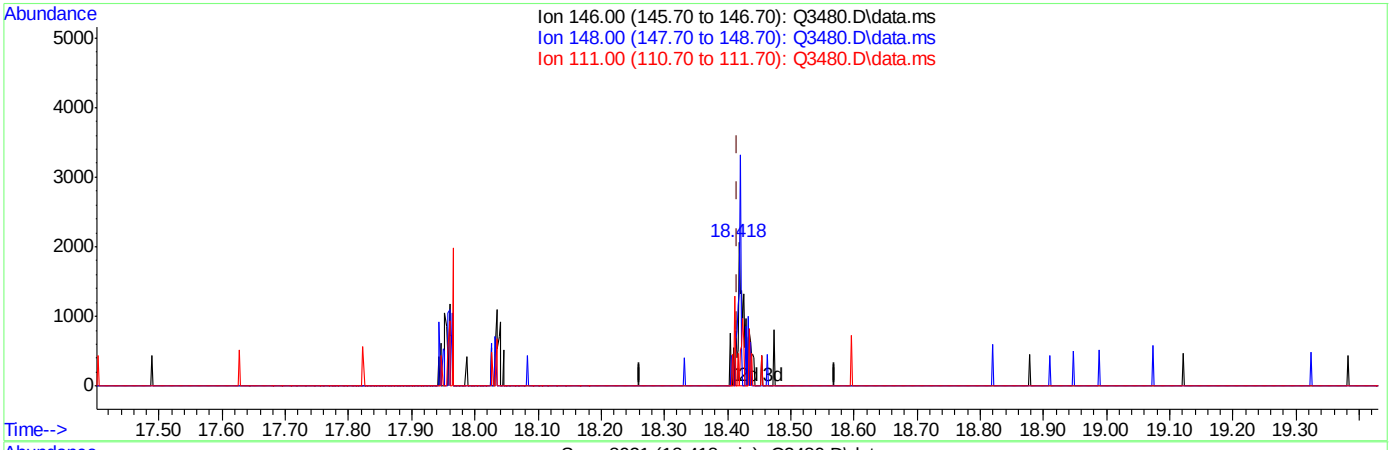
response 514

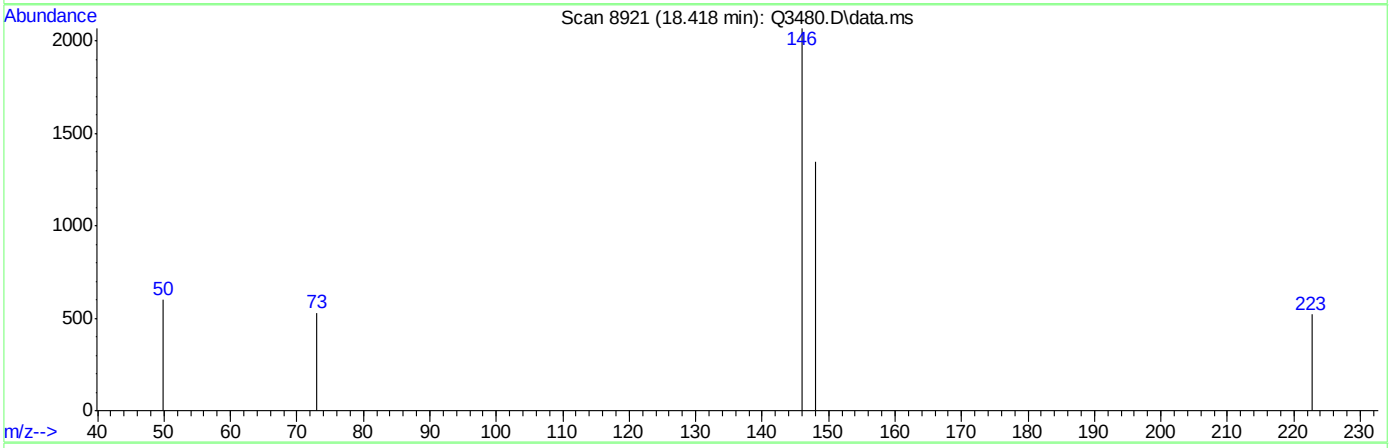
Ion	Exp%	Act%
146.00	100	100
148.00	64.20	35.80#
111.00	38.90	10.12#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





TIC: Q3480.D\data.ms

(71) o-DICHLOROBENZENE (m)

18.418min (+0.002) 0.08PPBV

response 1235

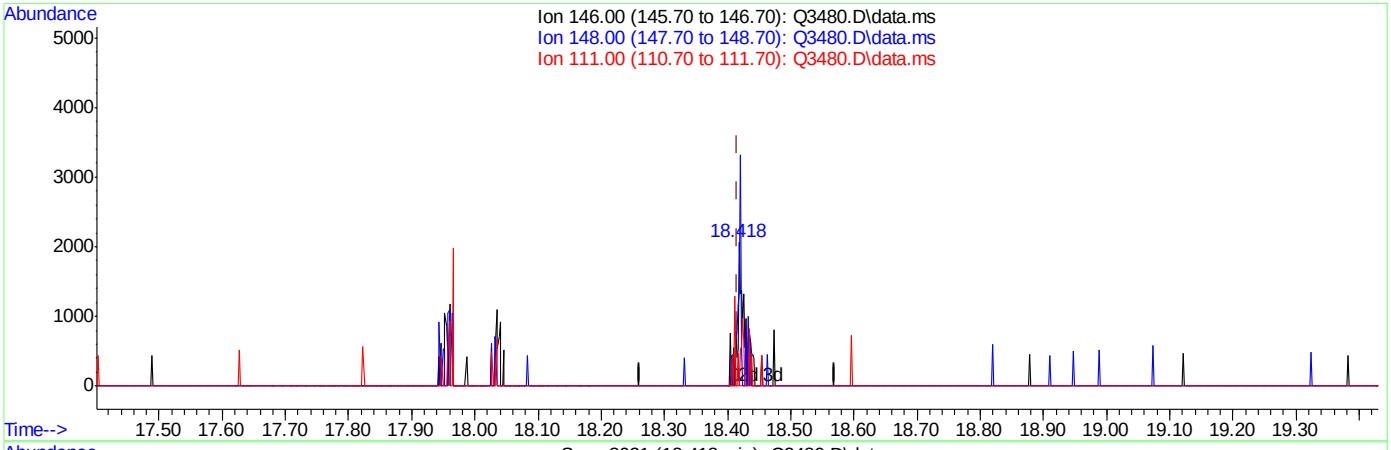
Ion	Exp%	Act%
146.00	100	100
148.00	64.40	75.22
111.00	40.90	38.46
0.00	0.00	0.00

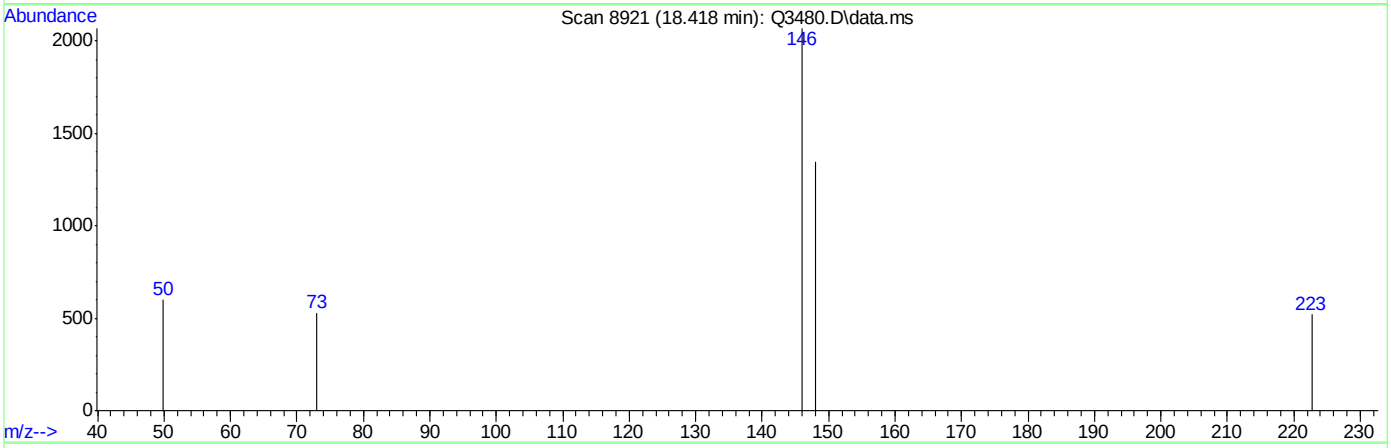
ACCUTEST Laboratories M64940

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





TIC: Q3480.D\data.ms

(71) o-DICHLOROBENZENE (m)

18.418min (+0.002) 0.10PPBV m

response 1598

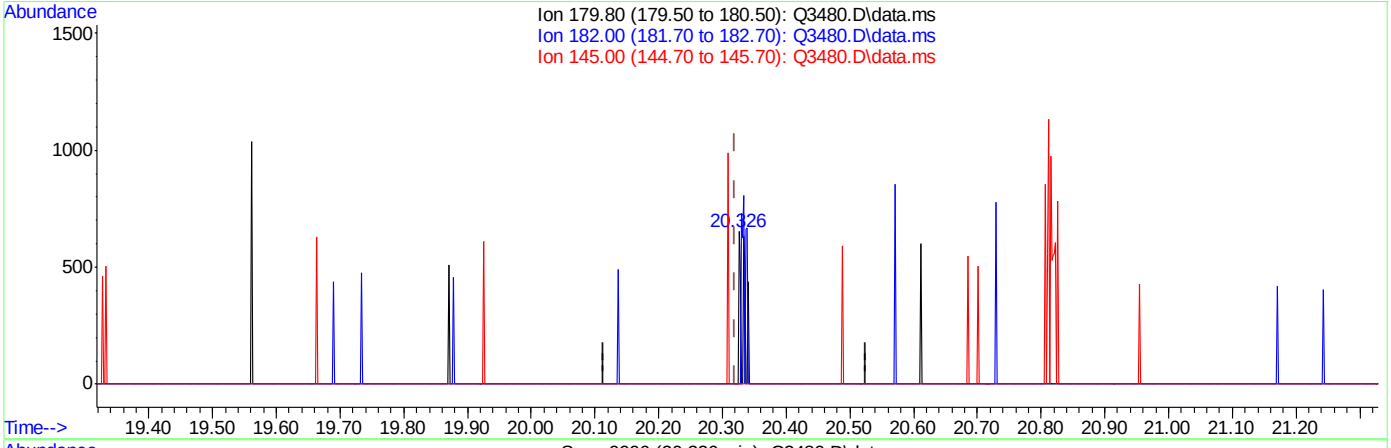
Ion	Exp%	Act%
146.00	100	100
148.00	64.40	58.14
111.00	40.90	29.72
0.00	0.00	0.00

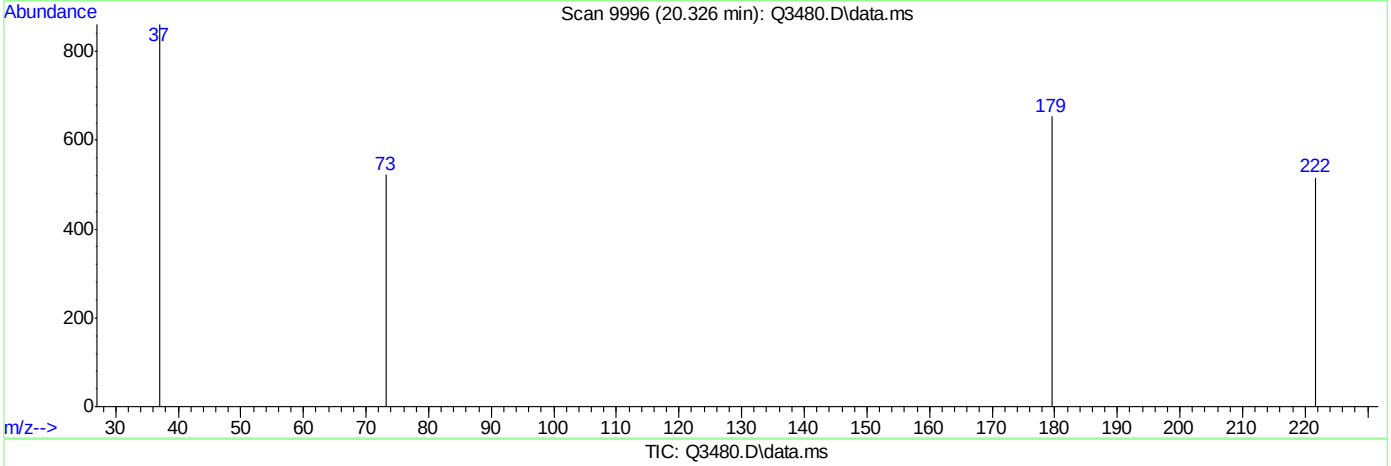
ACCUTEST Laboratories M64940

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





TIC: Q3480.D\data.ms

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

20.326min (+0.006) 0.04PPBV

response 118

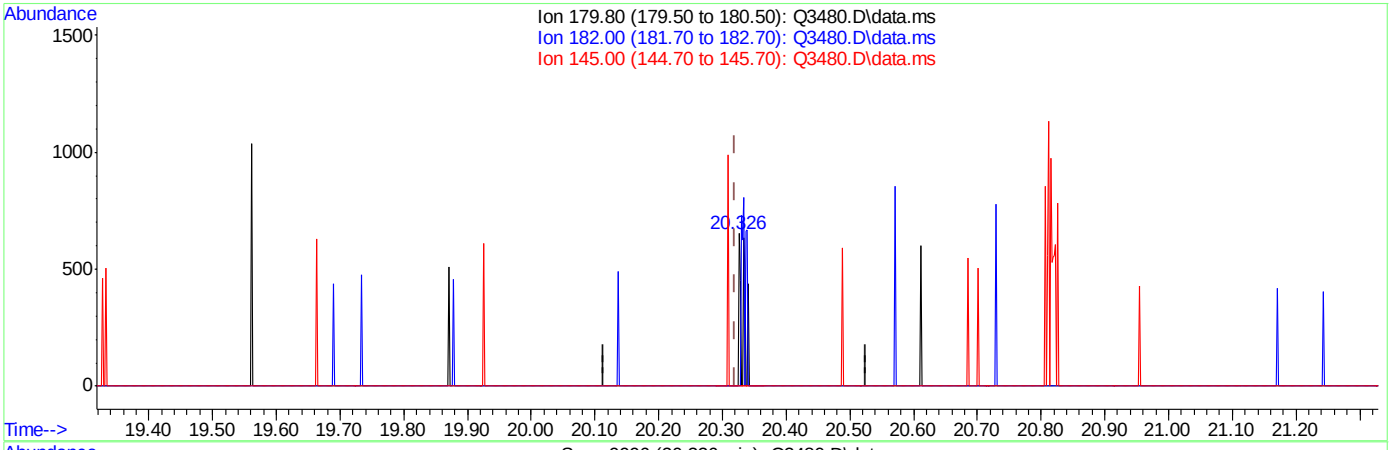
Ion	Exp%	Act%
179.80	100	100
182.00	91.20	315.25#
145.00	35.30	0.00#
0.00	0.00	0.00

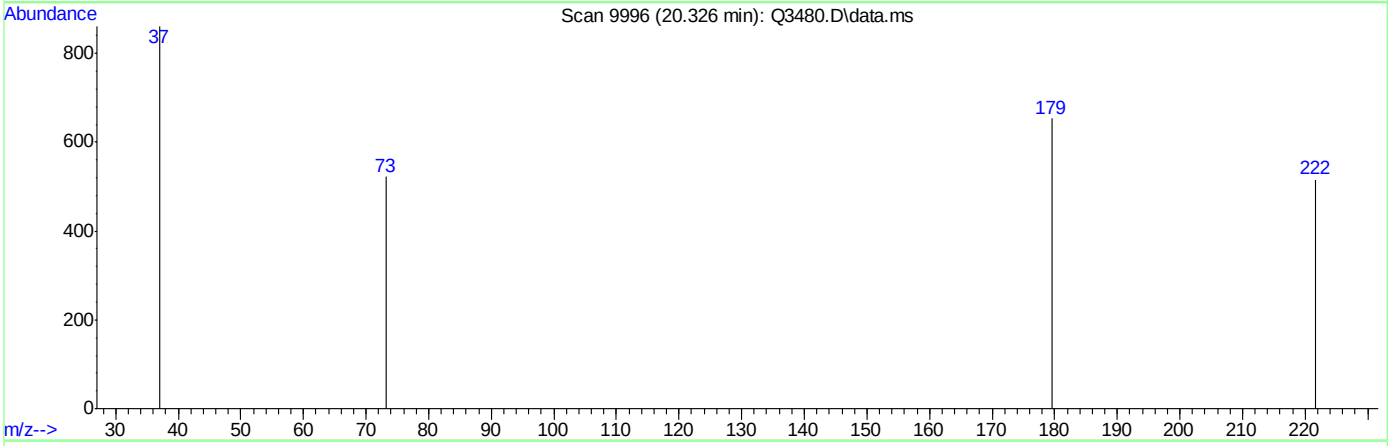
ACCUTEST Laboratories M64940

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





TIC: Q3480.D\data.ms

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

20.326min (+0.006) 0.10PPBV m

response 285

Ion	Exp%	Act%
179.80	100	100
182.00	91.20	130.53#
145.00	35.30	0.00#
0.00	0.00	0.00

ACCUTEST Laboratories M64940

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
05/23/07 16:02

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3482.D
Acq On : 22 May 2007 9:55 am
Operator : PhilipB
Sample : ICV189-10 (M068)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 22 15:16:57 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:36:34 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.419	128	77343	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.344	114	368037	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.696	117	305650	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.334	95	124899	5.32	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 106.40%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	3.588	85	490433	7.47	PPBV	80
3) PROPYLENE	3.519	41	73375	7.18	PPBV	93
4) FREON 114	3.852	85	508195	8.58	PPBV #	100
5) CHLOROMETHANE	3.755	50	104810	7.23	PPBV	90
6) VINYL CHLORIDE	3.980	62	117793	8.13	PPBV	73
7) 1,3-BUTADIENE	4.117	39	130539	8.13	PPBV #	100
8) BROMOMETHANE	4.395	94	156552	8.77	PPBV #	100
9) CHLOROETHANE	4.571	64	59364	7.94	PPBV #	100
10) TRICHLOROFLUOROMETHANE	5.386	101	991703	10.19	PPBV #	100
11) ISOPROPYL ALCOHOL	5.435	45	306199	10.97	PPBV	90
12) ACETONE	5.182	43	343544	10.47	PPBV	81
13) PENTANE	5.764	42	182514	11.18	PPBV #	100
14) 1,1-DICHLOROETHYLENE	6.062	96	230080	11.23	PPBV #	21
15) CARBON DISULFIDE	6.518	76	539720	10.26	PPBV #	47
16) ETHANOL	4.662	45	42301	9.82	PPBV #	100
17) BROMOETHENE	4.937	106	171424	9.11	PPBV #	100
18) METHYLENE CHLORIDE	6.186	84	187872	9.89	PPBV #	1
19) 3-CHLOROPROPENE	6.316	39	273987	9.93	PPBV #	1
20) FREON 113	6.467	151	643635	9.87	PPBV #	100
21) TRANS-1,2-DICHLOROETHY...	7.178	96	204360	9.98	PPBV #	100
22) TERTIARY BUTYL ALCOHOL	6.081	59	414982	10.75	PPBV #	100
23) METHYL TERTIARY BUTYL ...	7.443	73	501447	10.99	PPBV #	100
24) TETRAHYDROFURAN	8.949	42	120380	10.22	PPBV #	100
25) HEXANE	8.458	57	139575	9.26	PPBV #	100
26) VINYL ACETATE	7.528	43	515419	10.76	PPBV	87
27) 1,1-DICHLOROETHANE	7.388	63	389247	10.50	PPBV #	100
28) METHYL ETHYL KETONE	7.791	43	254556	9.65	PPBV	96
29) cis-1,2-DICHLOROETHYLENE	8.247	96	110357	9.96	PPBV #	100
30) ETHYL ACETATE	8.461	43	427554	9.71	PPBV	100
31) CHLOROFORM	8.550	83	345196	9.59	PPBV #	100
32) 1,1,1-TRICHLOROETHANE	9.549	97	379604	8.99	PPBV	95
33) CARBON TETRACHLORIDE	10.156	117	453071	9.34	PPBV	97
34) 1,2-DICHLOROETHANE	9.297	62	237056	9.66	PPBV	96
36) BENZENE	10.007	78	301424	9.12	PPBV	99
37) CYCLOHEXANE	10.284	84	109019	9.28	PPBV #	84
38) TRICHLOROETHYLENE	11.049	95	194693	9.77	PPBV #	85
39) 1,2-DICHLOROPROPANE	10.813	63	114519	10.42	PPBV #	76
40) BROMODICHLOROMETHANE	11.010	83	354257	9.40	PPBV	98
41) 2,2,4-TRIMETHYLPENTANE	11.070	57	509544	9.80	PPBV	94
42) 1,4-DIOXANE	11.040	88	60628	10.79	PPBV #	73
43) HEPTANE	11.321	43	191939	9.57	PPBV	89

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3482.D
Acq On : 22 May 2007 9:55 am
Operator : PhilipB
Sample : ICV189-10 (M068)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 22 15:16:57 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:36:34 2007
Response via : Initial Calibration

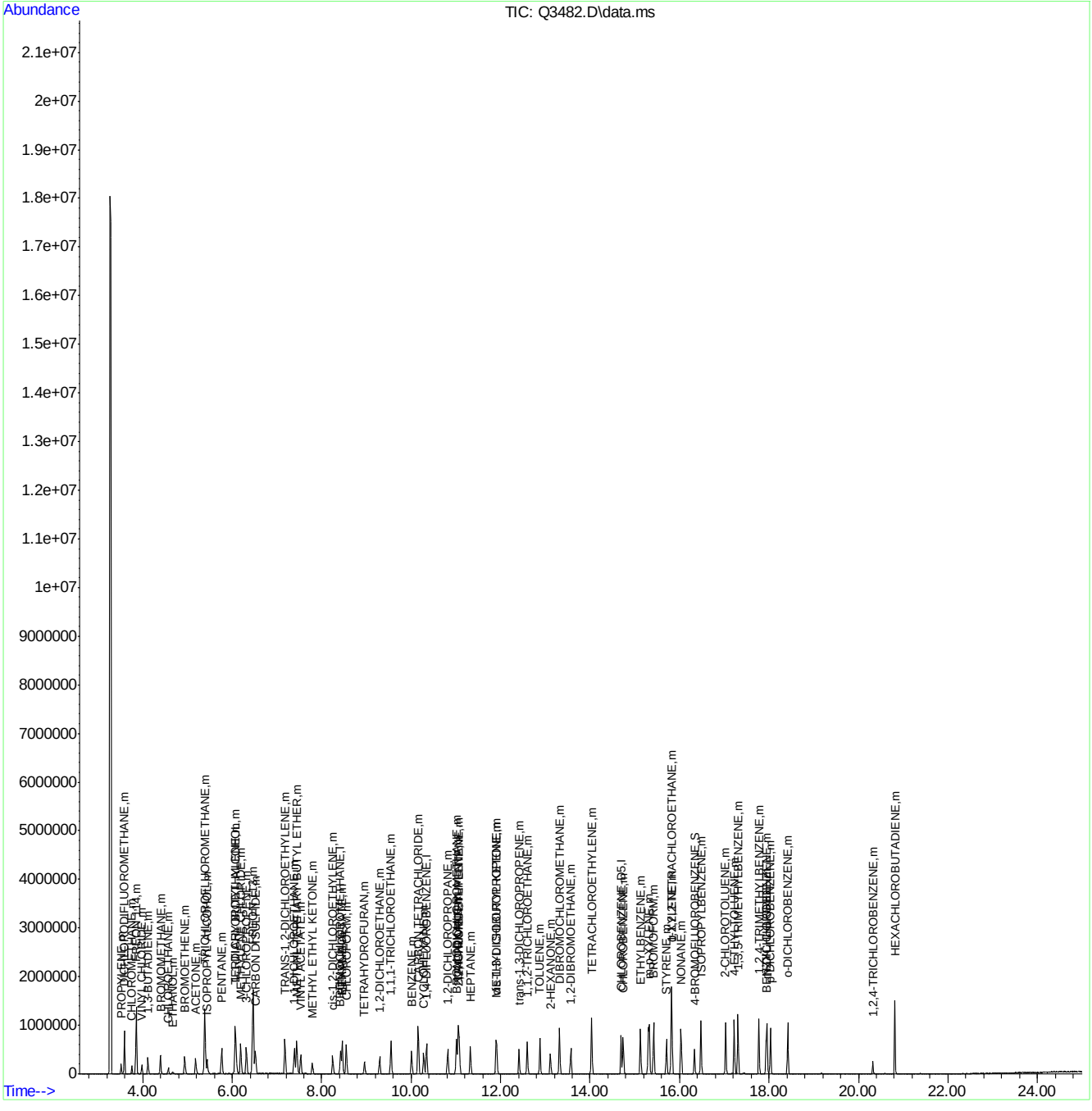
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) METHYL ISOBUTYL KETONE	11.913	43	318707	10.43	PPBV		92
45) cis-1,3-DICHLOROPROPENE	11.892	75	178833	9.57	PPBV	#	82
46) TOLUENE	12.879	92	225708	11.61	PPBV		100
47) trans-1,3-DICHLOROPROPENE	12.412	75	186114	10.21	PPBV	#	100
48) 1,1,2-TRICHLOROETHANE	12.595	83	133386	9.91	PPBV		93
50) 2-HEXANONE	13.110	43	271714	9.95	PPBV		92
51) TETRACHLOROETHYLENE	14.032	164	159373	9.62	PPBV		97
52) DIBROMOCHLOROMETHANE	13.315	129	365939	10.01	PPBV		99
53) 1,2-DIBROMOETHANE	13.571	107	250932	9.19	PPBV		95
54) CHLOROBENZENE	14.742	112	301271	9.19	PPBV		96
55) ETHYLBENZENE	15.126	91	548224	10.46	PPBV		95
56) m,p-XYLENE	15.323	106	401669m	19.08	PPBV		
57) o-XYLENE	15.825	106	204513	9.41	PPBV	#	88
58) STYRENE	15.708	104	255558	9.90	PPBV		99
59) NONANE	16.033	43	337756	10.48	PPBV		90
60) BROMOFORM	15.422	173	381534	10.81	PPBV		99
62) 1,1,2,2-TETRACHLOROETHANE	15.820	83	369399	10.01	PPBV		98
63) ISOPROPYLBENZENE	16.476	105	588177	10.41	PPBV		95
64) 2-CHLOROTOLUENE	17.030	91	447351	10.35	PPBV		91
65) 4-ETHYLTOLUENE	17.223	105	547371	9.29	PPBV		96
66) 1,3,5-TRIMETHYLBENZENE	17.307	105	515668	9.11	PPBV		93
67) 1,2,4-TRIMETHYLBENZENE	17.772	105	476970	9.18	PPBV		93
68) m-DICHLOROBENZENE	17.956	146	281669	8.90	PPBV		95
69) BENZYL CHLORIDE	17.933	91	319262	8.16	PPBV		94
70) p-DICHLOROBENZENE	18.029	146	269975	9.49	PPBV		97
71) o-DICHLOROBENZENE	18.418	146	254092	8.50	PPBV		96
72) HEXACHLOROBUTADIENE	20.812	225	145900	8.88	PPBV		99
73) 1,2,4-TRICHLOROBENZENE	20.322	180	40400	8.74	PPBV		94

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3482.D
Acq On : 22 May 2007 9:55 am
Operator : PhilipB
Sample : ICV189-10 (M068)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 1 Sample Multiplier: 1

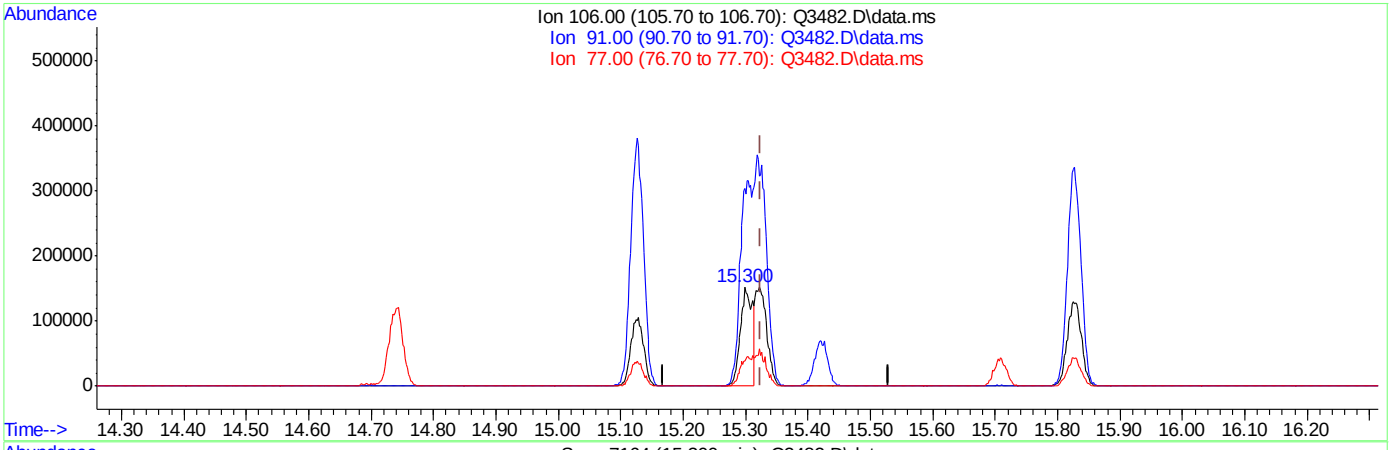
Quant Time: May 22 15:16:57 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:36:34 2007
Response via : Initial Calibration

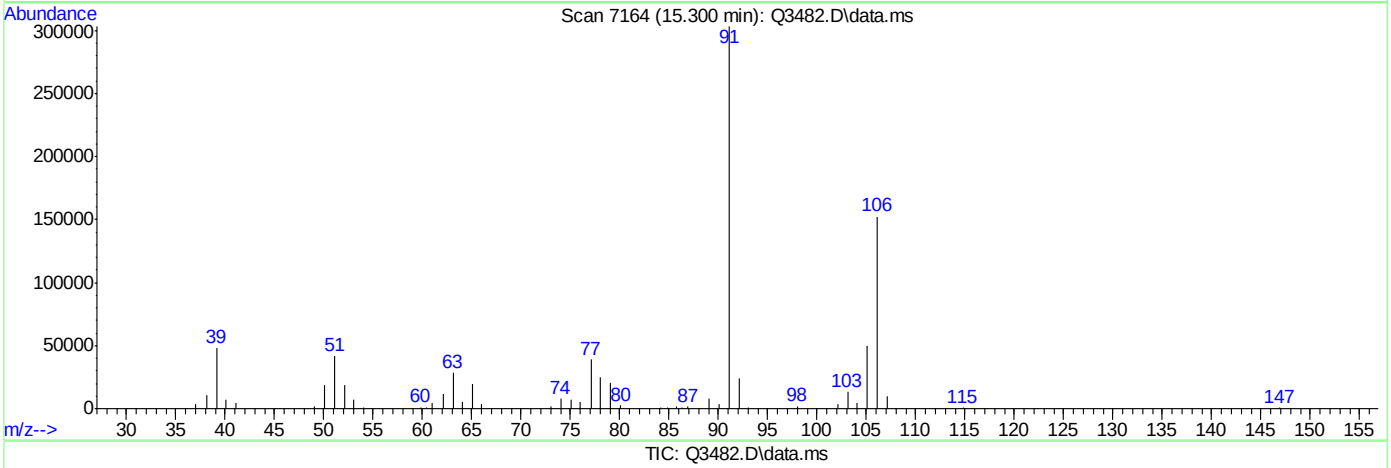


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3482.D
Acq On : 22 May 2007 9:55 am
Operator : PhilipB
Sample : ICV189-10 (M068)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 22 11:06:35 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:36:34 2007
Response via : Initial Calibration





TIC: Q3482.D\data.ms

(56) m,p-XYLENE (m)

15.300min (-0.024) 9.88PPBV

response 208012

Ion	Exp%	Act%
106.00	100	100
91.00	204.20	199.16
77.00	30.60	25.65
0.00	0.00	0.00

ACCUTEST Laboratories M64940

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3482.D
Acq On    : 22 May 2007   9:55 am
Operator  : PhilipB
Sample    : ICV189-10 (M068)
Misc      : MS13602,MSQ189,,,,,1
ALS Vial  : 1   Sample Multiplier: 1

Quant Time: May 22 11:06:35 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:36:34 2007
Response via : Initial Calibration
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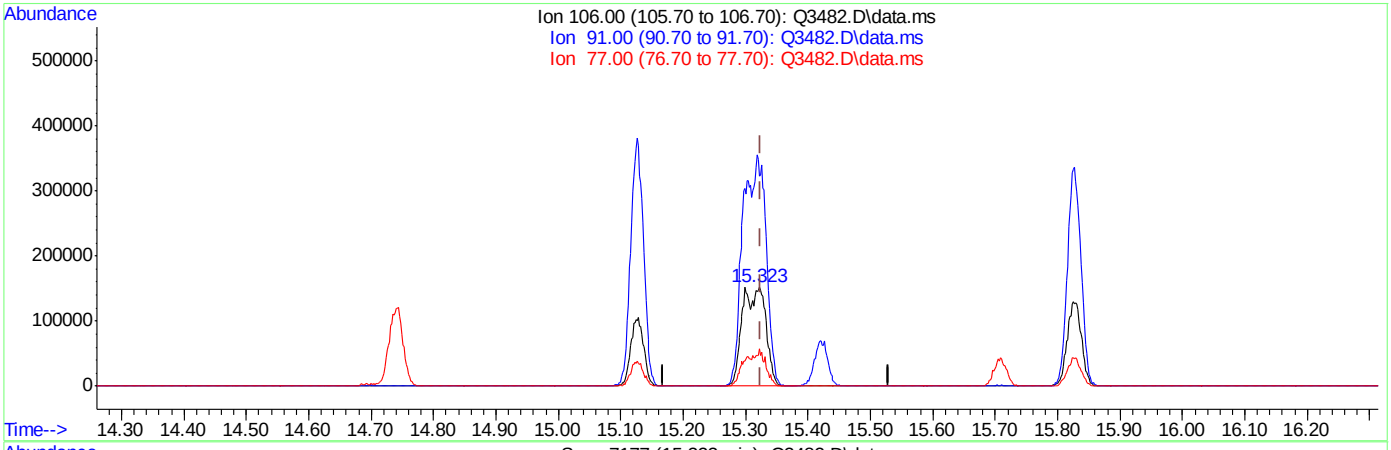
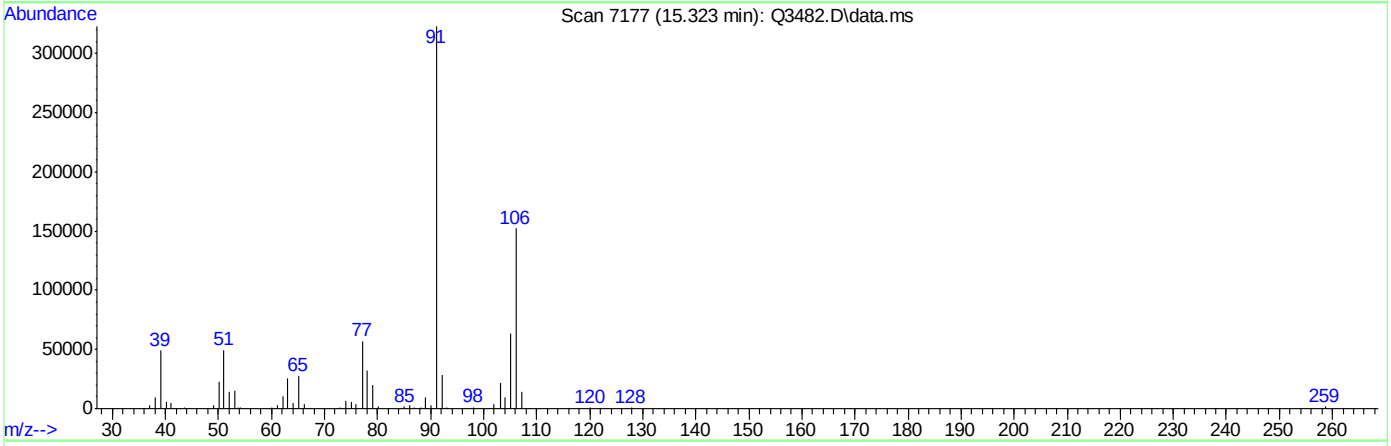




TIC: Q3482.D\data.ms

(56) m,p-XYLENE (m)

15.323min (-0.001) 19.08PPBV m

response 401669

Ion	Exp%	Act%
106.00	100	100
91.00	204.20	211.93
77.00	30.60	37.30#
0.00	0.00	0.00

ACCUTEST Laboratories M64940

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
05/23/07 16:07

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3491.D
Acq On : 22 May 2007 6:00 pm
Operator : PhilipB
Sample : CC189-10 (M068)
Misc : MS13602,MSQ190,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 23 09:41:19 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:36:34 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.431	128	94194	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.351	114	448405	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.698	117	370957	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.334	95	146539	5.14	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 102.80%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	3.607	85	547075	6.84	PPBV	81
3) PROPYLENE	3.533	41	88898m	7.15	PPBV	
4) FREON 114	3.870	85	549839	7.62	PPBV #	100
5) CHLOROMETHANE	3.772	50	124770	7.07	PPBV	91
6) VINYL CHLORIDE	3.994	62	137624	7.80	PPBV	74
7) 1,3-BUTADIENE	4.132	39	155426	7.95	PPBV #	100
8) BROMOMETHANE	4.411	94	169491	7.80	PPBV #	100
9) CHLOROETHANE	4.583	64	67024	7.36	PPBV #	100
10) TRICHLOROFLUOROMETHANE	5.403	101	1027760	8.67	PPBV #	100
11) ISOPROPYL ALCOHOL	5.456	45	314817	9.26	PPBV	88
12) ACETONE	5.199	43	362116	9.06	PPBV	80
13) PENTANE	5.778	42	194877	9.80	PPBV #	100
14) 1,1-DICHLOROETHYLENE	6.081	96	232777	9.33	PPBV #	19
15) CARBON DISULFIDE	6.532	76	582040	9.08	PPBV #	51
16) ETHANOL	4.684	45	44429m	8.47	PPBV	
17) BROMOETHENE	4.954	106	190413	8.31	PPBV #	100
18) METHYLENE CHLORIDE	6.202	84	221262	9.56	PPBV #	1
19) 3-CHLOROPROPENE	6.330	39	277543	8.26	PPBV #	1
20) FREON 113	6.480	151	688722	8.67	PPBV #	100
21) TRANS-1,2-DICHLOROETHY...	7.190	96	217665	8.73	PPBV #	100
22) TERTIARY BUTYL ALCOHOL	6.097	59	418009	8.89	PPBV #	100
23) METHYL TERTIARY BUTYL ...	7.457	73	494550	8.90	PPBV #	100
24) TETRAHYDROFURAN	8.965	42	129842	9.05	PPBV #	100
25) HEXANE	8.468	57	163375	8.90	PPBV #	100
26) VINYL ACETATE	7.544	43	505581	8.80	PPBV	84
27) 1,1-DICHLOROETHANE	7.403	63	404745	8.96	PPBV #	100
28) METHYL ETHYL KETONE	7.799	43	290318	9.04	PPBV	92
29) cis-1,2-DICHLOROETHYLENE	8.259	96	116604	8.64	PPBV #	100
30) ETHYL ACETATE	8.468	43	490869	9.15	PPBV	100
31) CHLOROFORM	8.559	83	387034	8.83	PPBV #	100
32) 1,1,1-TRICHLOROETHANE	9.558	97	427434	8.31	PPBV	95
33) CARBON TETRACHLORIDE	10.167	117	534229	9.04	PPBV	96
34) 1,2-DICHLOROETHANE	9.304	62	261409	8.75	PPBV	99
36) BENZENE	10.018	78	327136	8.12	PPBV	99
37) CYCLOHEXANE	10.294	84	118986	8.31	PPBV #	79
38) TRICHLOROETHYLENE	11.052	95	225258	9.28	PPBV	89
39) 1,2-DICHLOROPROPANE	10.823	63	125308	9.36	PPBV #	78
40) BROMODICHLOROMETHANE	11.013	83	397182	8.65	PPBV	97
41) 2,2,4-TRIMETHYLPENTANE	11.079	57	588170	9.28	PPBV #	93
42) 1,4-DIOXANE	11.045	88	64567	9.43	PPBV #	60
43) HEPTANE	11.329	43	217327	8.89	PPBV	92

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3491.D
Acq On : 22 May 2007 6:00 pm
Operator : PhilipB
Sample : CC189-10 (M068)
Misc : MS13602,MSQ190,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 23 09:41:19 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:36:34 2007
Response via : Initial Calibration

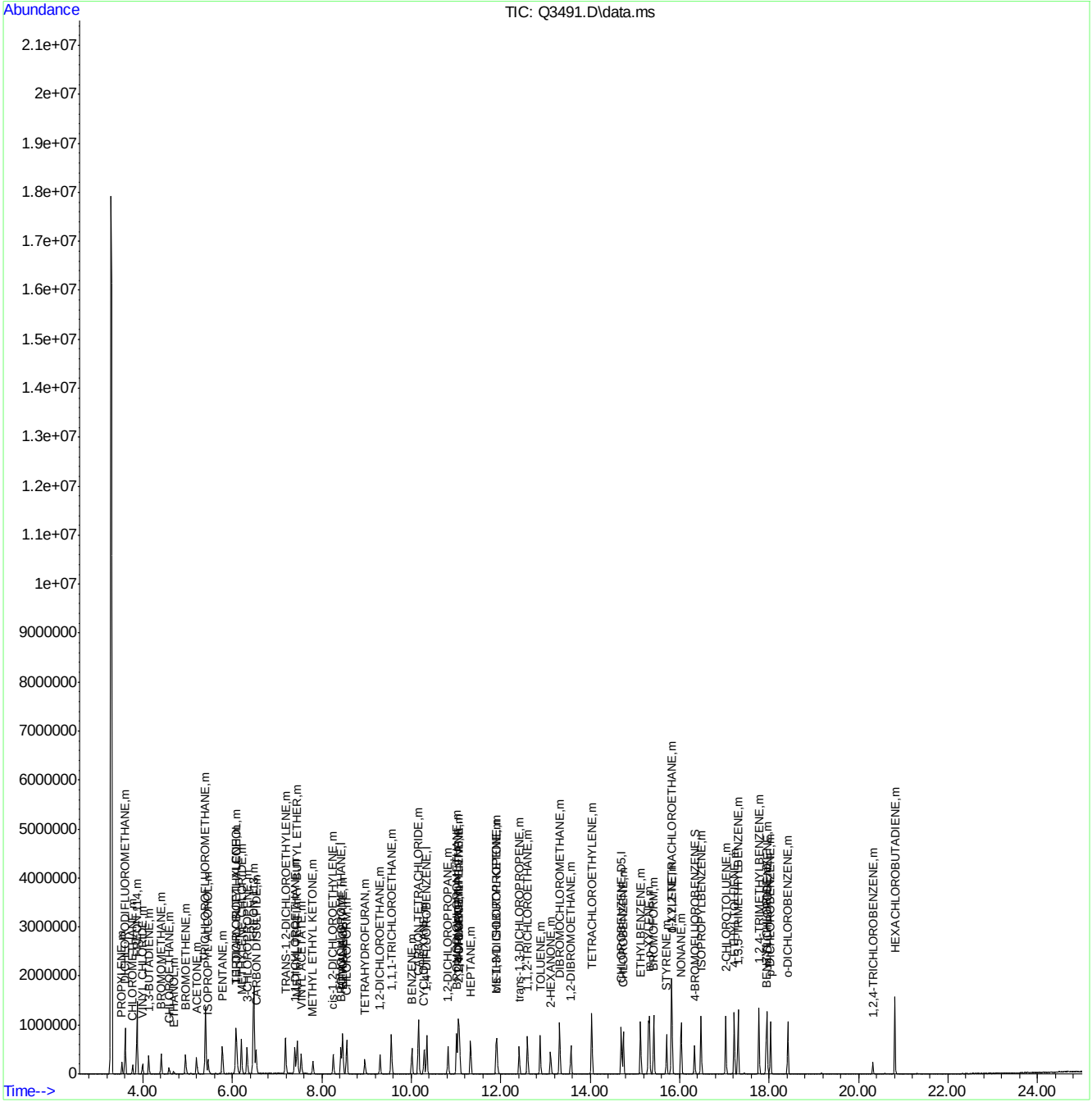
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.917	43	349507	9.39	PPBV	93
45) cis-1,3-DICHLOROPROPENE	11.901	75	198824	8.74	PPBV	87
46) TOLUENE	12.884	92	249980	10.55	PPBV	96
47) trans-1,3-DICHLOROPROPENE	12.417	75	192685	8.68	PPBV #	98
48) 1,1,2-TRICHLOROETHANE	12.602	83	153724	9.37	PPBV	91
50) 2-HEXANONE	13.113	43	285763	8.73	PPBV	93
51) TETRACHLOROETHYLENE	14.034	164	172169	8.78	PPBV	94
52) DIBROMOCHLOROMETHANE	13.320	129	424539	9.57	PPBV	99
53) 1,2-DIBROMOETHANE	13.572	107	279300	8.43	PPBV	96
54) CHLOROBENZENE	14.742	112	339333	8.53	PPBV	97
55) ETHYLBENZENE	15.125	91	606977	9.54	PPBV	96
56) m,p-XYLENE	15.328	106	456957m	17.89	PPBV	
57) o-XYLENE	15.828	106	231318	8.77	PPBV	90
58) STYRENE	15.708	104	288308	9.20	PPBV	95
59) NONANE	16.036	43	362414	9.26	PPBV	93
60) BROMOFORM	15.422	173	435489	10.17	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.818	83	419457	9.36	PPBV	98
63) ISOPROPYLBENZENE	16.478	105	646329	9.43	PPBV	96
64) 2-CHLOROTOLUENE	17.031	91	487461	9.29	PPBV	92
65) 4-ETHYLTOLUENE	17.223	105	607400	8.59	PPBV	94
66) 1,3,5-TRIMETHYLBENZENE	17.308	105	570805	8.42	PPBV	93
67) 1,2,4-TRIMETHYLBENZENE	17.775	105	539991	8.65	PPBV	94
68) m-DICHLOROBENZENE	17.956	146	342504	8.92	PPBV	98
69) BENZYL CHLORIDE	17.937	91	338640	7.31	PPBV	94
70) p-DICHLOROBENZENE	18.032	146	280148	8.31	PPBV	96
71) o-DICHLOROBENZENE	18.421	146	266416	7.51	PPBV	95
72) HEXACHLOROBUTADIENE	20.812	225	157790	7.93	PPBV	98
73) 1,2,4-TRICHLOROBENZENE	20.324	180	42469	7.53	PPBV	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3491.D
Acq On : 22 May 2007 6:00 pm
Operator : PhilipB
Sample : CC189-10 (M068)
Misc : MS13602,MSQ190,,,,,1
ALS Vial : 1 Sample Multiplier: 1

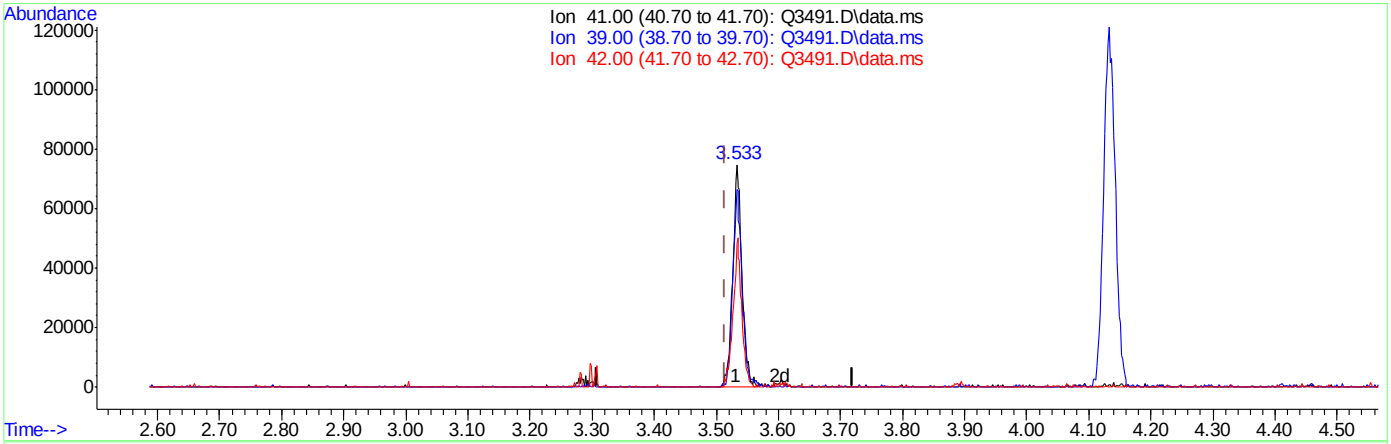
Quant Time: May 23 09:41:19 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:36:34 2007
Response via : Initial Calibration

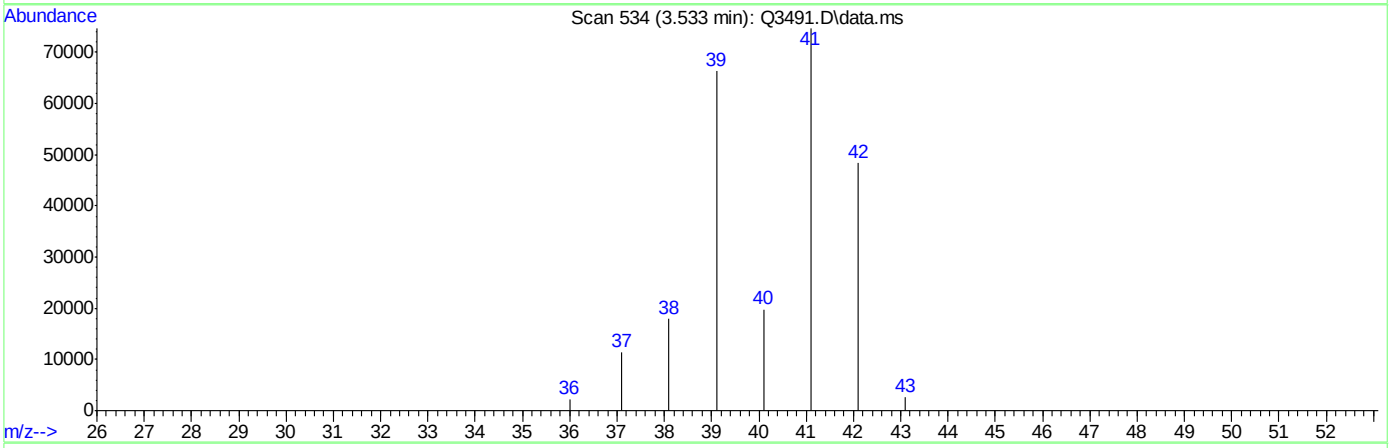


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3491.D
Acq On : 22 May 2007 6:00 pm
Operator : PhilipB
Sample : CC189-10 (M068)
Misc : MS13602,MSQ190,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 23 09:40:15 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:36:34 2007
Response via : Initial Calibration





TIC: Q3491.D\data.ms

(3) PROPYLENE (m)

3.533min (+0.019) 6.61PPBV

response 82238

Ion	Exp%	Act%
41.00	100	100
39.00	90.30	88.85
42.00	56.70	64.73
0.00	0.00	0.00

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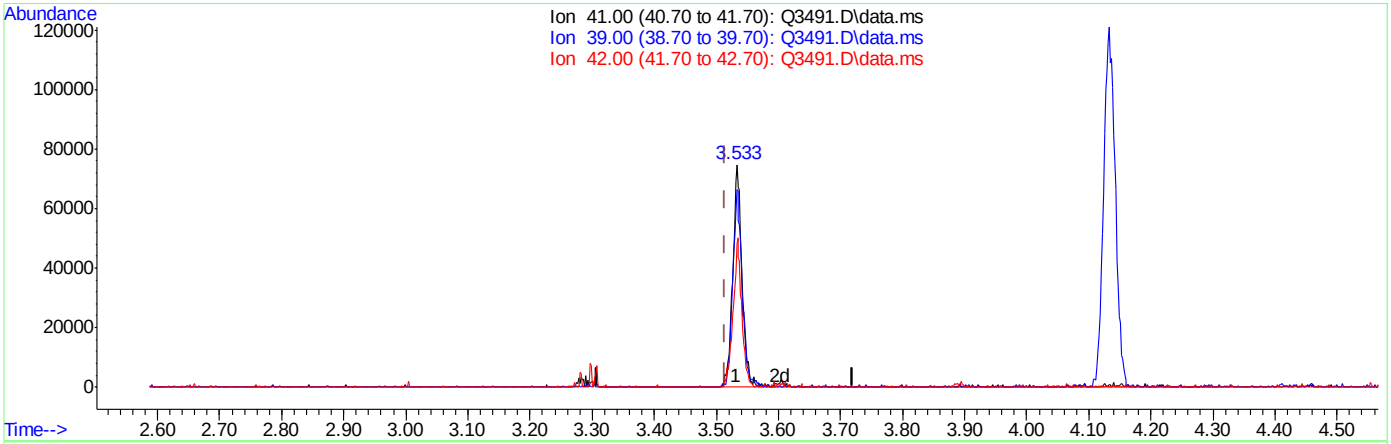
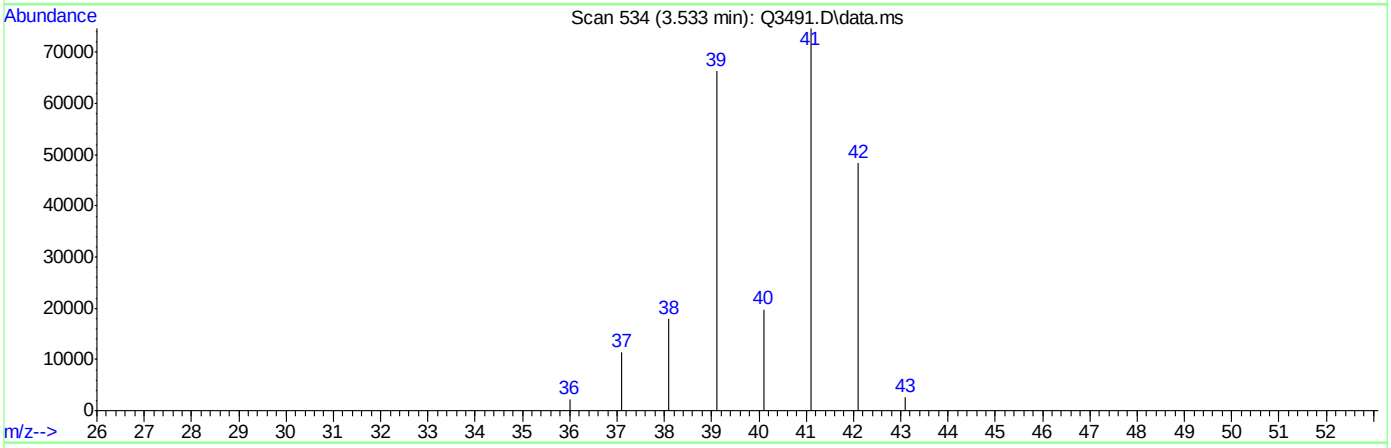
M64940

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3491.D
Acq On : 22 May 2007 6:00 pm
Operator : PhilipB
Sample : CC189-10 (M068)
Misc : MS13602,MSQ190,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 23 09:40:15 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:36:34 2007
Response via : Initial Calibration





TIC: Q3491.D\data.ms

(3) PROPYLENE (m)

3.533min (+0.019) 7.15PPBV m

response 88898

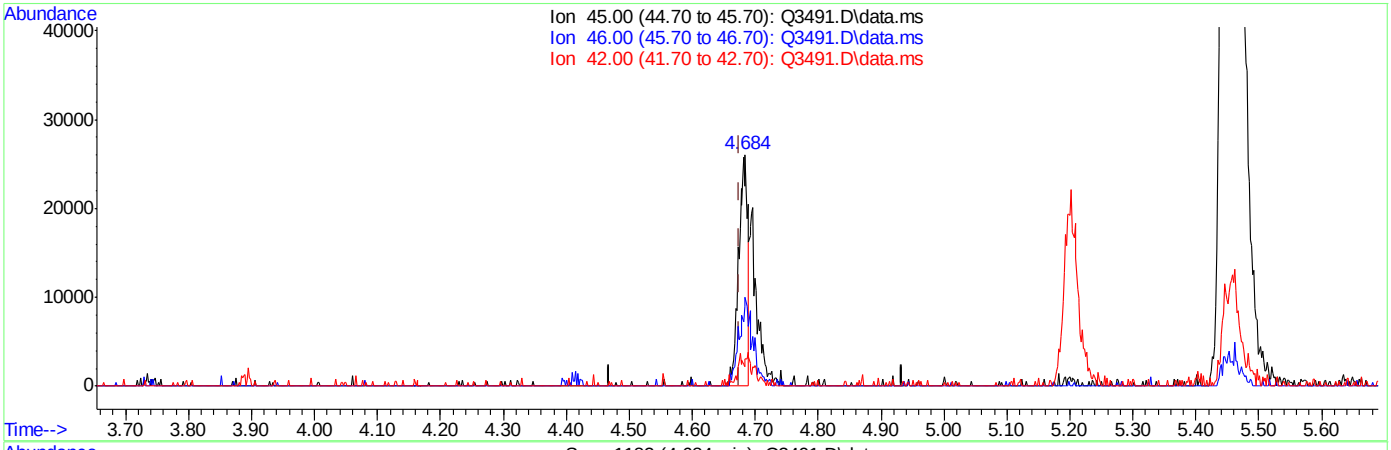
Ion	Exp%	Act%
41.00	100	100
39.00	90.30	88.85
42.00	56.70	64.73
0.00	0.00	0.00

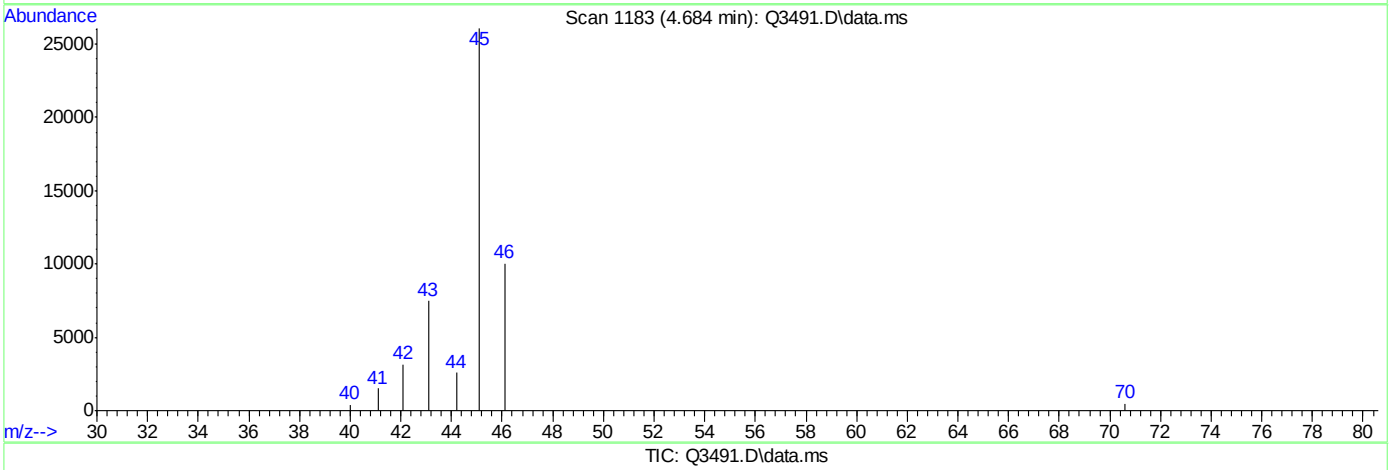
ACCUTEST Laboratories M64940

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3491.D
Acq On : 22 May 2007 6:00 pm
Operator : PhilipB
Sample : CC189-10 (M068)
Misc : MS13602,MSQ190,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 23 09:40:47 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:36:34 2007
Response via : Initial Calibration





TIC: Q3491.D\data.ms

(16) ETHANOL (m)

4.684min (+0.009) 5.10PPBV

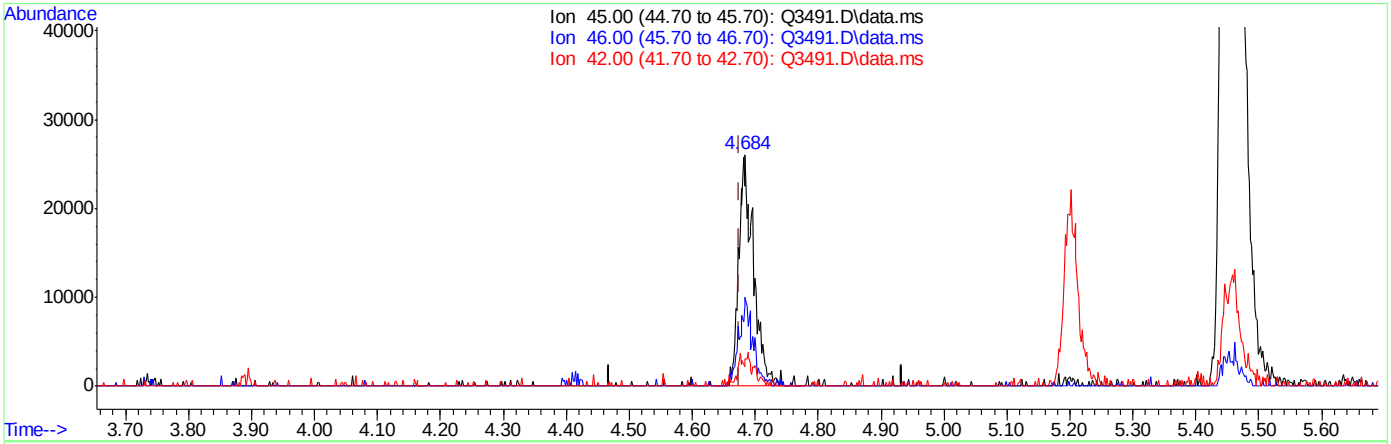
response 26759

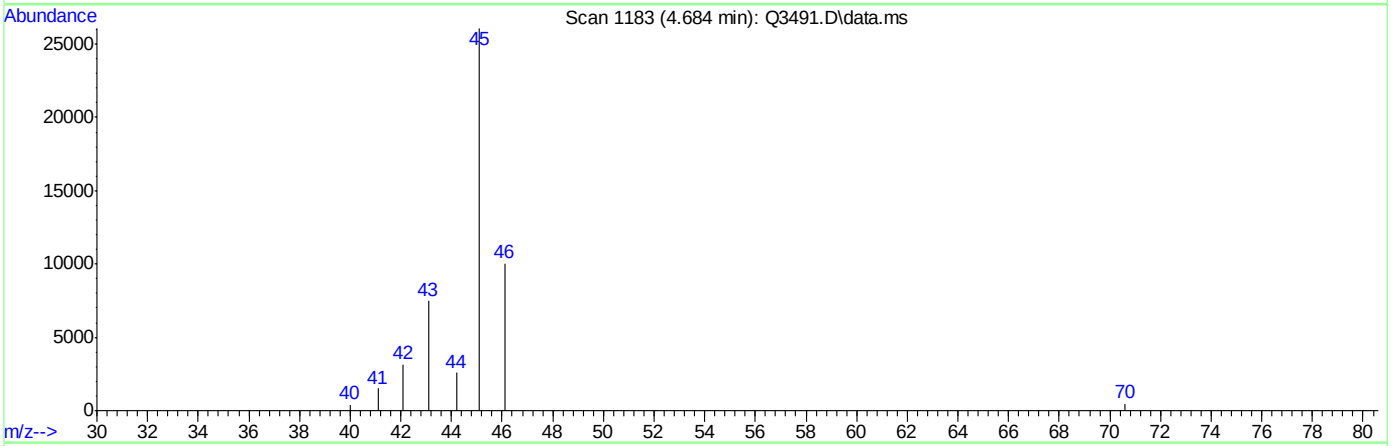
Ion	Exp%	Act%
45.00	100	100
46.00	0.00	57.80#
42.00	0.00	6.66
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3491.D
Acq On : 22 May 2007 6:00 pm
Operator : PhilipB
Sample : CC189-10 (M068)
Misc : MS13602,MSQ190,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 23 09:40:47 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:36:34 2007
Response via : Initial Calibration





TIC: Q3491.D\data.ms

(16) ETHANOL (m)

4.684min (+0.009) 8.47PPBV m

response 44429

Ion	Exp%	Act%
45.00	100	100
46.00	0.00	34.81#
42.00	0.00	4.01
0.00	0.00	0.00

ACCUTEST Laboratories M64940

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3491.D
Acq On    : 22 May 2007   6:00 pm
Operator  : PhilipB
Sample    : CC189-10 (M068)
Misc      : MS13602,MSQ190,,,,,1
ALS Vial  : 1   Sample Multiplier: 1

Quant Time: May 23 09:40:47 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:36:34 2007
Response via : Initial Calibration
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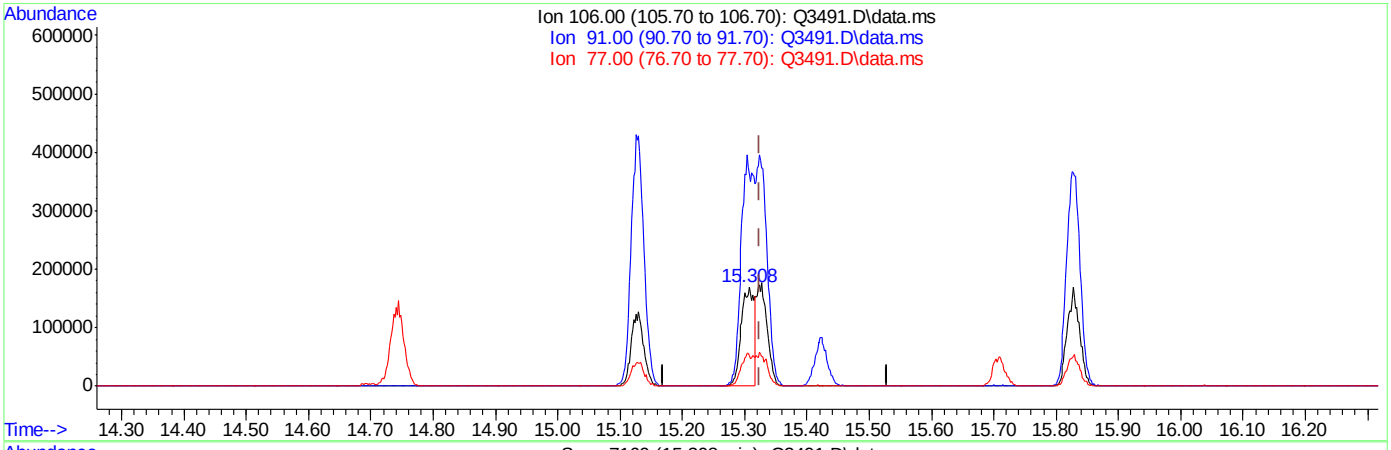

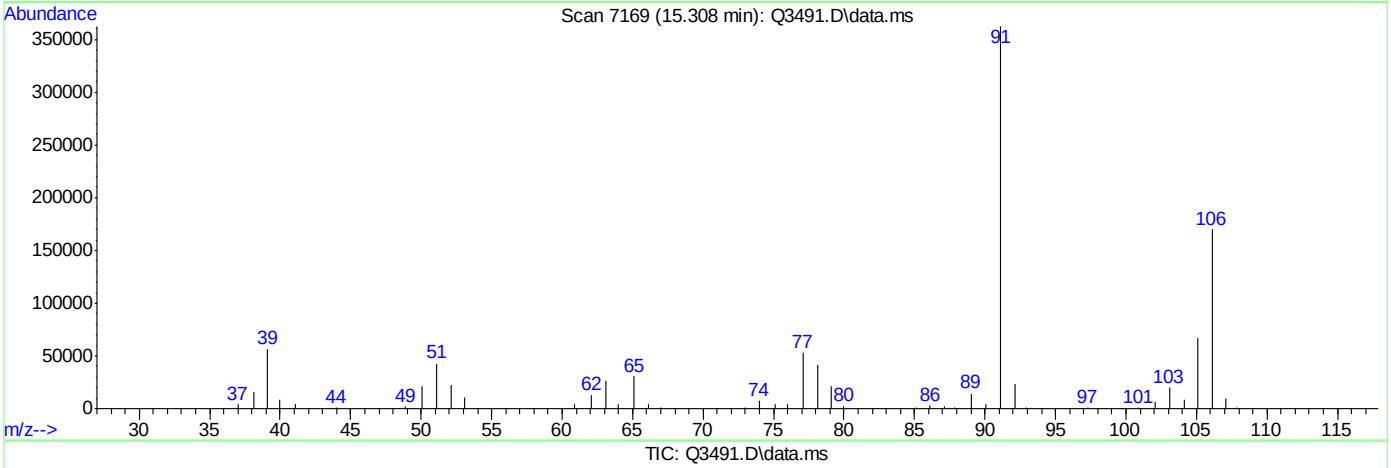

TIC: Q3491.D\data.ms

(56) m,p-XYLENE (m)

15.308min (-0.016) 9.76PPBV

response 249289

Ion	Exp%	Act%
106.00	100	100
91.00	204.20	213.74
77.00	30.60	31.28
0.00	0.00	0.00

ACCUTEST Laboratories M64940

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3491.D
Acq On    : 22 May 2007   6:00 pm
Operator  : PhilipB
Sample    : CC189-10 (M068)
Misc      : MS13602,MSQ190,,,,,1
ALS Vial  : 1   Sample Multiplier: 1

Quant Time: May 23 09:40:47 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:36:34 2007
Response via : Initial Calibration
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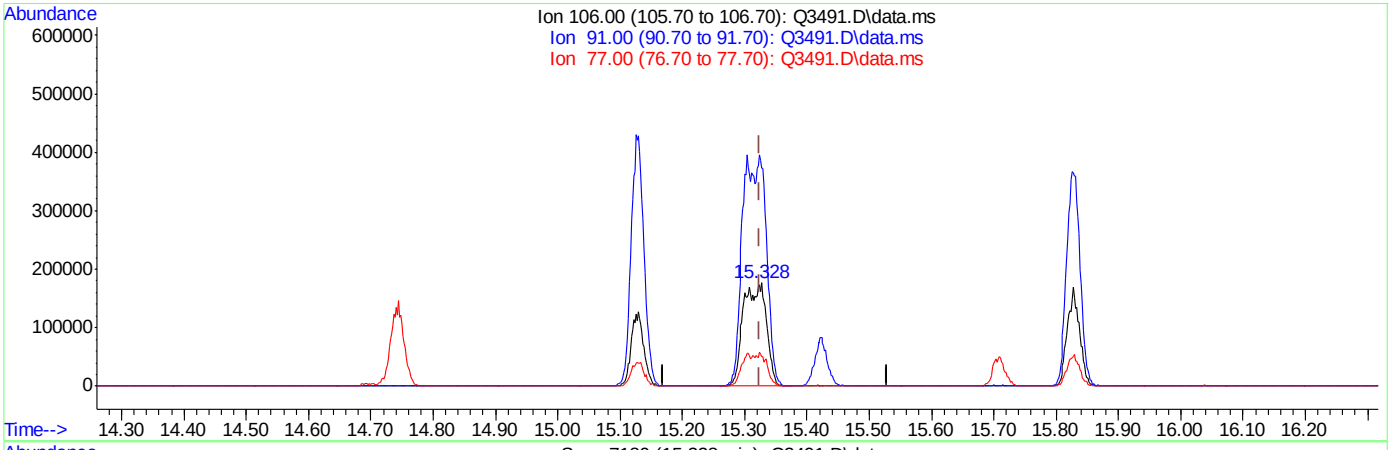

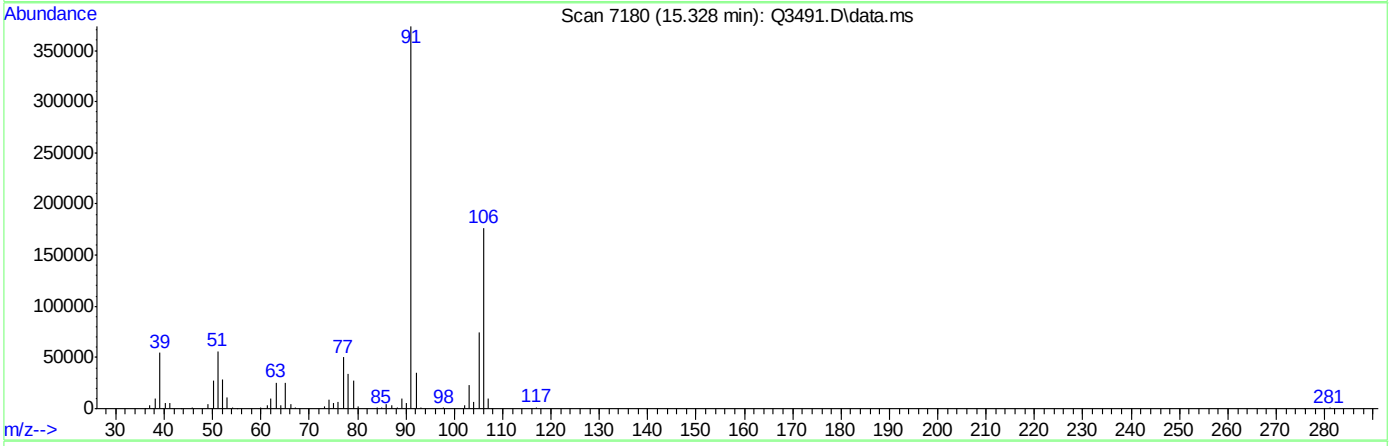

TIC: Q3491.D\data.ms

(56) m,p-XYLENE (m)

15.328min (+0.004) 17.89PPBV m

response 456957

Ion	Exp%	Act%
106.00	100	100
91.00	204.20	211.72
77.00	30.60	28.52
0.00	0.00	0.00

ACCUTEST Laboratories M64940

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		

ACCUTEST. Laboratories
M64940

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	MSA336
Calib STD 2	MSA337
ICV	MSA338
Inter/Surr STD	MSA218
BS/BSD	NA

File ID	
Tune File 1	Q3387.D
Tune File 2	NA
Initial Cal.	5-15-07
ID FILE	Q051507T.M
Instrument ID	Q
ICAL:	Q3395.D
Column Type:	RTX-1
Sequence Verified By:	PB 5-16-07

Date:	5/15/2007
Analyst:	PHILIPB
Batch ID:	MSQ185
Matrix:	AIR
Approved By:	DOUGY
Date Approved:	5/24/2007 10:13:46 AM

Data File	Sample ID	Bot #	Work Group #	Test	ALS #	Sample Vol (mls)	Diln Factor	Flow controller ID	Comment
Q3380	BLK	M026	NA	VTO15STD	1		1	NA	O.K.
Q3381	BLK	M026	NA	VTO15STD	2		1	NA	O.K.
Q3382	CC180-10	M148	NA	VTO15STD	3		1	NA	Failed; re-cal
Q3383	40 PPBV	M060	MSA336	VTO15STD	4		1	NA	Late end Contamination.
Q3384	20 PPBV	M060	MSA336	VTO15STD	5		1	NA	Late end Contamination.
Q3385	10 PPBV	M060	MSA336	VTO15STD	6		1	NA	Late end Contamination.
Q3386	5 PPBV	M060	MSA336	VTO15STD	7		1	NA	Late end Contamination.
Q3387	IC185-2	M060	MSA336	VTO15STD	8		1	NA	O.K.; BFB
Q3388	IC185-.5	M044	MSA337	VTO15STD	9		1	NA	Pulse gas depleted; carry over from previous run.
Q3389	IC185-.2	M044	MSA337	VTO15STD	10		1	NA	O.K.
Q3390	IC185-40	M060	MSA336	VTO15STD	11		1	NA	O.K.
Q3391	IC185-5	M060	MSA336	VTO15STD	12		1	NA	O.K.
Q3392	IC185-20	M060	MSA336	VTO15STD	13		1	NA	O.K.
Q3393	IC185-10	M060	MSA336	VTO15STD	14		1	NA	O.K.
Q3394	IC185-.5	M044	MSA337	VTO15STD	15		1	NA	O.K.
Q3395	ICV185-10	M068	MSA338	VTO15STD	16		1	NA	O.K.

Standard Lot #	
Calib STD 1	MSA336
Calib STD 2	MSA337
ICV	MSA338
Inter/Surr STD	MSA218
BS/BSD	MSA338

File ID	
Tune File 1	Q3396.D
Tune File 2	NA
Initial Cal.	5-15-07
ID FILE	Q051507T.M
Instrument ID	Q
ICAL:	Q3395.D
Column Type:	RTX-1
Sequence Verified By:	PB 5-17-07

Date:	5/16/2007
Analyst:	PHILIPB
Batch ID:	MSQ186
Matrix:	AIR
Approved By:	DOUGY
Date Approved:	5/18/2007 11:44:27 AM

Data File	Sample ID	Bot #	Work Group #	Test	ALS #	Sample Vol (mls)	Diln Factor	Flow controller ID	Comment
Q3396	CC185-10	M068	MSA338	VTO15STD	3		1	NA	O.K.; BFB
Q3396A	BS	M068	MSA338	VTO15STD	3		1	NA	O.K.
Q3397	MB	M128	MS13579	VTO15STD	4		1	NA	Can contaminated; re-clean
Q3398	MB	M142	MS13579	VTO15STD	4		1	NA	O.K.
Q3398A	M64987-1	M142	MS13579	VTO15STD	4		1	NA	O.K.; Certification Blank.
Q3399	M64701-1	M061	MS13551	VTO15STD	5		20	MC104	Report with J10324.D
Q3400	M64987-2	M125	MS13579	VTO15STD	6		1	NA	O.K.; Certification Blank.
Q3401	M64987-3	M149	MS13579	VTO15STD	7		1	NA	O.K.; Certification Blank.
Q3402	M64698-2RDUP	M094	MS13579	VTO15STD	8		1	MC121	O.K.
Q3403	M64698-2R	M094	MS13579	VTO15STD	8		1	MC121	Re-run 4X
Q3404	M64743-2	M021	MS13579	VTO15STD	9		1	MC106	O.K.
Q3405	M64743-2	M021	MS13579	VTO15STD	9		10	MC106	Dilution not required
Q3406	M64782-2	M082	MS13579	VTO15STD	10		1	MC118	O.K.
Q3407	M64782-2	M082	MS13579	VTO15STD	10		10	MC118	Dilution not required
Q3408	M64987-4	M033	MS13579	VTO15STD	11		1	NA	O.K.; Certification Blank.
Q3409	M64987-5	M157	MS13579	VTO15STD	12		1	NA	O.K.; Certification Blank.
Q3410	M64987-6	M143	MS13579	VTO15STD	13		1	NA	O.K.; Certification Blank.
Q3411	M64987-7	M103	MS13579	VTO15STD	14		1	NA	O.K.; Certification Blank.
Q3412	BLK	M003	MS13579	VTO15STD	15		1	NA	ISTD Low; re-run
Q3413	BLK	M016	MS13579	VTO15STD	16		1	NA	ISTD Low; re-run
Q3414	BLK	M124	MS13579	VTO15STD	1		1	NA	ISTD Low; re-run
Q3415	BLK	M123	MS13579	VTO15STD	2		1	NA	ISTD Low; re-run
Q3416	BLK	M128	MS13579	VTO15STD	3		1	NA	ISTD Low; re-run
Q3417	BLK	M027	MS13579	VTO15STD	4		1	NA	ISTD Low; re-run
Q3418	BLK	M100	MS13579	VTO15STD	5		1	NA	ISTD Low; re-run
Q3419	BLK	M064	MS13579	VTO15STD	6		1	NA	ISTD Low; re-run
Q3420	FCB067	M180	MS13579	VTO15STD	7		1	MC063	O.K.
Q3421	FCB068	M190	MS13579	VTO15STD	7		1	MC019	O.K.
Q3422	FCB069	M198	MS13579	VTO15STD	7		1	MC020	O.K.

Standard Lot #	
Calib STD 1	MSA336
Calib STD 2	MSA337
ICV	MSA338
Inter/Surr STD	MSA218
BS/BSD	MSA338

File ID	
Tune File 1	Q3453.D
Tune File 2	NA
Initial Cal.	5-15-07
ID FILE	Q051507T.M
Instrument ID	Q
ICAL:	Q3395.D
Column Type:	RTX-1
Sequence Verified By:	PB 5-21-07

Date:	5/18/2007
Analyst:	PHILIPB
Batch ID:	MSQ188
Matrix:	AIR
Approved By:	DOUGY
Date Approved:	5/23/2007 10:30:26 AM

Data File	Sample ID	Bot #	Work Group #	Test	ALS #	Sample Vol (mls)	Diln Factor	Flow controller ID	Comment
Q3452	CC185-10	M068	MSA338	VTO15STD	1		1	NA	Failed; re-run
Q3453	CC185-10	M068	MSA338	VTO15STD	1		1	NA	O.K.; BFB
Q3453A	BS	M068	MSA338	VTO15STD	1		1	NA	O.K.
Q3454	BLK	M027	MS13602	VTO15STD	2		1	NA	Carryover
Q3455	MB	M027	MS13602	VTO15STD	2		1	NA	O.K.
Q3456	M64901-1	M111	MS13602	VTO15STD	3		1	MC035	O.K.
Q3457	M64901-1DUP	M111	MS13602	VTO15STD	3		1	MC035	O.K.
Q3458	M64901-2	M116	MS13602	VTO15STD	4		1	MC016	O.K.
Q3459	M64902-1	M155	MS13602	VTO15STD	5		1	MC032	O.K.
Q3460	M64902-2	M070	MS13602	VTO15STD	6		1	MC008	O.K.
Q3461	M64900-2	M066	MS13602	VTO15STD	7		1	MC114	O.K.
Q3462	M64900-2	M066	MS13602	VTO15STD	7		10	MC114	Dilution not required.
Q3463	M64754-4	M203	MS13593	VTO15STD	8		100	NA	Report with Q3435.D
Q3464	M64940-8	M170	MS13602	VTO15STD	9		1	MC045	O.K.
Q3465	M64940-1	M108	MS13602	VTO15STD	10		1	MC050	O.K.
Q3466	M64940-2	M114	MS13602	VTO15STD	11		1	MC007	O.K.
Q3467	M64940-3	M098	MS13602	VTO15STD	12		1	MC064	O.K.
Q3468	M64940-4	M026	MS13602	VTO15STD	13		1	MC116	O.K.
Q3469	M64940-5	M125	MS13602	VTO15STD	14		1	MC014	O.K.
Q3470	M64940-6	M142	MS13602	VTO15STD	15		1	MC122	O.K.
Q3471	M64940-7	M149	MS13602	VTO15STD	16		1	MC039	ISTD#2 Low; re-run.

Standard Lot #	
Calib STD 1	MSA336
Calib STD 2	MSA337
ICV	MSA338
Inter/Surr STD	MSA218
BS/BSD	MSA338

File ID	
Tune File 1	Q3474.D
Tune File 2	NA
Initial Cal.	5-21-07
ID FILE	Q052107T.M
Instrument ID	Q
ICAL:	Q3482.D
Column Type:	RTX-1
Sequence Verified By:	PB 5-22-07

Date:	5/21/2007
Analyst:	PHILIPB
Batch ID:	MSQ189
Matrix:	AIR
Approved By:	DOUGY
Date Approved:	5/23/2007 4:03:23 PM

Data File	Sample ID	Bot #	Work Group #	Test	ALS #	Sample Vol (mls)	Diln Factor	Flow controller ID	Comment
Q3472	CC185-10	M068	MSA338	VTO15STD	1		1	NA	Failed.
Q3473	CC185-10	M068	MSA338	VTO15STD	1		1	NA	Failed; RE-CALIBRATE
Q3474	IC189-40	M060	MSA336	VTO15STD	3		1	NA	O.K.; BFB
Q3475	IC189-20	M060	MSA336	VTO15STD	3		1	NA	O.K.
Q3476	IC189-10	M060	MSA336	VTO15STD	3		1	NA	O.K.
Q3477	IC189-5	M060	MSA336	VTO15STD	3		1	NA	O.K.
Q3478	IC189-2	M060	MSA336	VTO15STD	3		1	NA	O.K.
Q3479	IC189-.5	M044	MSA337	VTO15STD	4		1	NA	O.K.
Q3480	IC189-.2	M044	MSA337	VTO15STD	4		1	NA	O.K.
Q3481	ICV189-10	M068	MSA338	VTO15STD	1		1	NA	ISTD High; re-run.
Q3482	ICV189-10	M068	MSA338	VTO15STD	1		1	NA	O.K.
Q3483	M64897-12	M027	NA	VTO15STD	2		1	NA	O.K.
Q3484	M64897-13	M127	NA	VTO15STD	3		1	NA	O.K.
Q3485	M64897-14	M160	NA	VTO15STD	4		1	NA	O.K.
Q3486	M64897-15	M023	NA	VTO15STD	5		1	NA	O.K.
Q3487	M64897-16	M032	NA	VTO15STD	6		1	NA	O.K.
Q3488	BLK	M117	NA	VTO15STD	7		1	NA	Can contaminated; re-clean.
Q3489	M64897-17	M025	NA	VTO15STD	8		1	NA	O.K.

Standard Lot #	
Calib STD 1	MSA336
Calib STD 2	MSA337
ICV	MSA338
Inter/Surr STD	MSA218
BS/BSD	MSA338

File ID	
Tune File 1	Q3491.D
Tune File 2	NA
Initial Cal.	5-21-07
ID FILE	Q052107T.M
Instrument ID	Q
ICAL:	Q3481.D
Column Type:	RX-1
Sequence Verified By:	PB 5-23-07

Date:	5/22/2007
Analyst:	PHILIPB
Batch ID:	MSQ190
Matrix:	AIR
Approved By:	DOUGY
Date Approved:	5/23/2007 4:07:30 PM

Data File	Sample ID	Bot #	Work Group #	Test	ALS #	Sample Vol (mls)	Diln Factor	Flow controller ID	Comment
Q3490	CC189-10	M068	MSA338	VTO15STD	1		1	NA	Failed; re-run
Q3491	CC189-10	M068	MSA338	VTO15STD	1		1	NA	O.K.
Q3491A	BS	M068	MSA338	VTO15STD	1		1	NA	O.K.
Q3492	MB	M135	MS13602	VTO15STD	2		1	NA	O.K.
Q3492A	M64897-18	M135	NA	VTO15STD	2		1	NA	O.K.
Q3493	M64897-19	M132	NA	VTO15STD	3		1	NA	O.K.
Q3494	M64897-20	M105	NA	VTO15STD	4		1	NA	O.K.
Q3495	M64897-21	M061	NA	VTO15STD	5		1	NA	O.K.
Q3496	M64897-22	M092	NA	VTO15STD	6		1	NA	O.K.
Q3497	M64897-23	M073	NA	VTO15STD	7		1	NA	O.K.
Q3498	M64897-24	M069	NA	VTO15STD	8		1	NA	O.K.
Q3499	M64940-7	M149	MS13602	VTO15STD	16		1	MC045	O.K.
Q3500	M64940-7DUP	M149	MS13602	VTO15STD	16		1	MC045	O.K.