APPENDIX N
Test America Category B Analytical Reports
Soil Vapor

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 200-43091-1

SDG Number: 200-43091-1

Job Description: Yaphank Superfund site

For:
PW Grosser Consulting
630 Johnson Ave
Suite 7
Bohemia, NY 11716

Attention: Ms. Heather Moran-Botta

Approved for release.
Kathryn A Kelly
Project Manager II
5/2/2018 3:14 PM

Kathryn A Kelly, Project Manager II
30 Community Drive, South Burlington, VT, 05403
kathryn.kelly@testamericainc.com
05/02/2018

The test results in this report relate only to sample(s) as received by the laboratory. These test results were derived under a quality system that adheres to the requirements of NELAC. Pursuant to NELAC, this report may not be produced in full without written approval from the laboratory

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CASE NARRATIVE

Client: PW Grosser Consulting

Project: Yaphank Superfund site

Report Number: 200-43091-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT
The samples were received on 04/14/2018; the samples arrived in good condition.

VOLATILE ORGANIC COMPOUNDS
Samples SV001, SV002, SV003, SV004 and AMBIENT were analyzed for Volatile Organic Compounds in accordance with EPA Method TO-15. The samples were analyzed on 04/16/2018, 04/17/2018 and 04/18/2018.

Samples SV002[4X] and SV004[2X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Sample Summary

Client: PW Grosser Consulting
Project/Site: Yaphank Superfund site

TestAmerica Job ID: 200-43091-1
SDG: 200-43091-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
200-43091-1	SV001	Air	04/13/18 11:35	04/14/18 12:05
200-43091-2	SV002	Air	04/13/18 12:40	04/14/18 12:05
200-43091-3	SV003	Air	04/13/18 11:50	04/14/18 12:05
200-43091-4	SV004	Air	04/13/18 11:25	04/14/18 12:05
200-43091-5	AMBIENT	Air	04/13/18 12:05	04/14/18 12:05

Detection Summary

Client: PW Grosser Consulting
Project/Site: Yaphank Superfund site

TestAmerica Job ID: 200-43091-1
SDG: 200-43091-1

Client Sample ID: SV001

Lab Sample ID: 200-43091-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	1.5		0.50	0.20	ppb v/v	1		TO-15	Total/NA
n-Butane	1.8		0.50	0.31	ppb v/v	1		TO-15	Total/NA
1,3-Butadiene	0.19	J	0.20	0.065	ppb v/v	1		TO-15	Total/NA
Trichlorofluoromethane	0.66		0.20	0.062	ppb v/v	1		TO-15	Total/NA
1,1,2-Trichlorotrifluoroethane	0.071	J	0.20	0.031	ppb v/v	1		TO-15	Total/NA
Acetone	20		5.0	2.6	ppb v/v	1		TO-15	Total/NA
Isopropyl alcohol	2.0	J	5.0	1.8	ppb v/v	1		TO-15	Total/NA
Carbon disulfide	0.26	J	0.50	0.12	ppb v/v	1		TO-15	Total/NA
Methylene Chloride	1.9		0.50	0.20	ppb v/v	1		TO-15	Total/NA
tert-Butyl alcohol	12		5.0	1.5	ppb v/v	1		TO-15	Total/NA
n-Hexane	0.91		0.20	0.16	ppb v/v	1		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone)	5.7		0.50	0.20	ppb v/v	1		TO-15	Total/NA
Chloroform	0.43		0.20	0.052	ppb v/v	1		TO-15	Total/NA
Cyclohexane	1.9		0.20	0.063	ppb v/v	1		TO-15	Total/NA
Carbon tetrachloride	0.039		0.035	0.024	ppb v/v	1		TO-15	Total/NA
Benzene	0.53		0.20	0.071	ppb v/v	1		TO-15	Total/NA
n-Heptane	1.4		0.20	0.14	ppb v/v	1		TO-15	Total/NA
Trichloroethene	0.080		0.035	0.030	ppb v/v	1		TO-15	Total/NA
Bromodichloromethane	0.47		0.20	0.094	ppb v/v	1		TO-15	Total/NA
Toluene	7.5		0.20	0.069	ppb v/v	1		TO-15	Total/NA
Tetrachloroethene	0.33		0.20	0.029	ppb v/v	1		TO-15	Total/NA
Ethylbenzene	1.6		0.20	0.073	ppb v/v	1		TO-15	Total/NA
m,p-Xylene	5.5		0.50	0.070	ppb v/v	1		TO-15	Total/NA
o-Xylene	1.9		0.20	0.071	ppb v/v	1		TO-15	Total/NA
Styrene	4.8		0.20	0.086	ppb v/v	1		TO-15	Total/NA
Cumene	0.23		0.20	0.059	ppb v/v	1		TO-15	Total/NA
n-Propylbenzene	0.19	J	0.20	0.069	ppb v/v	1		TO-15	Total/NA
4-Ethyltoluene	0.17	J	0.20	0.069	ppb v/v	1		TO-15	Total/NA
1,3,5-Trimethylbenzene	0.12	J	0.20	0.058	ppb v/v	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	0.40		0.20	0.080	ppb v/v	1		TO-15	Total/NA
4-Isopropyltoluene	0.10	J	0.20	0.075	ppb v/v	1		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	7.2		2.5	0.99	ug/m3	1		TO-15	Total/NA
n-Butane	4.2		1.2	0.74	ug/m3	1		TO-15	Total/NA
1,3-Butadiene	0.41	J	0.44	0.14	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	3.7		1.1	0.35	ug/m3	1		TO-15	Total/NA
1,1,2-Trichlorotrifluoroethane	0.54	J	1.5	0.24	ug/m3	1		TO-15	Total/NA
Acetone	47		12	6.2	ug/m3	1		TO-15	Total/NA
Isopropyl alcohol	4.9	J	12	4.4	ug/m3	1		TO-15	Total/NA
Carbon disulfide	0.81	J	1.6	0.37	ug/m3	1		TO-15	Total/NA
Methylene Chloride	6.5		1.7	0.69	ug/m3	1		TO-15	Total/NA
tert-Butyl alcohol	37		15	4.5	ug/m3	1		TO-15	Total/NA
n-Hexane	3.2		0.70	0.56	ug/m3	1		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone)	17		1.5	0.59	ug/m3	1		TO-15	Total/NA
Chloroform	2.1		0.98	0.25	ug/m3	1		TO-15	Total/NA
Cyclohexane	6.7		0.69	0.22	ug/m3	1		TO-15	Total/NA
Carbon tetrachloride	0.24		0.22	0.15	ug/m3	1		TO-15	Total/NA
Benzene	1.7		0.64	0.23	ug/m3	1		TO-15	Total/NA
n-Heptane	5.8		0.82	0.57	ug/m3	1		TO-15	Total/NA
Trichloroethene	0.43		0.19	0.16	ug/m3	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SV001 (Continued) — Lab Sample ID: 200-43091-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bromodichloromethane	3.1		1.3	0.63	ug/m3	1		TO-15	Total/NA
Toluene	28		0.75	0.26	ug/m3	1		TO-15	Total/NA
Tetrachloroethene	2.2		1.4	0.20	ug/m3	1		TO-15	Total/NA
Ethylbenzene	7.1		0.87	0.32	ug/m3	1		TO-15	Total/NA
m,p-Xylene	24		2.2	0.30	ug/m3	1		TO-15	Total/NA
o-Xylene	8.5		0.87	0.31	ug/m3	1		TO-15	Total/NA
Styrene	20		0.85	0.37	ug/m3	1		TO-15	Total/NA
Cumene	1.2		0.98	0.29	ug/m3	1		TO-15	Total/NA
n-Propylbenzene	0.91	J	0.98	0.34	ug/m3	1		TO-15	Total/NA
4-Ethyltoluene	0.84	J	0.98	0.34	ug/m3	1		TO-15	Total/NA
1,3,5-Trimethylbenzene	0.57	J	0.98	0.29	ug/m3	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	2.0		0.98	0.39	ug/m3	1		TO-15	Total/NA
4-Isopropyltoluene	0.56	J	1.1	0.41	ug/m3	1		TO-15	Total/NA

Client Sample ID: SV002 — Lab Sample ID: 200-43091-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	1.0	J	2.0	0.80	ppb v/v	4		TO-15	Total/NA
n-Butane	6.7		2.0	1.2	ppb v/v	4		TO-15	Total/NA
1,3-Butadiene	0.43	J	0.80	0.26	ppb v/v	4		TO-15	Total/NA
Acetone	89		20	10	ppb v/v	4		TO-15	Total/NA
Methylene Chloride	2.4		2.0	0.80	ppb v/v	4		TO-15	Total/NA
tert-Butyl alcohol	73		20	6.0	ppb v/v	4		TO-15	Total/NA
n-Hexane	2.4		0.80	0.64	ppb v/v	4		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone)	20		2.0	0.80	ppb v/v	4		TO-15	Total/NA
Cyclohexane	3.9		0.80	0.25	ppb v/v	4		TO-15	Total/NA
2,2,4-Trimethylpentane	3.3		0.80	0.35	ppb v/v	4		TO-15	Total/NA
Benzene	0.77	J	0.80	0.28	ppb v/v	4		TO-15	Total/NA
n-Heptane	1.6		0.80	0.56	ppb v/v	4		TO-15	Total/NA
Trichloroethene	0.29		0.14	0.12	ppb v/v	4		TO-15	Total/NA
Toluene	5.3		0.80	0.28	ppb v/v	4		TO-15	Total/NA
Tetrachloroethene	0.36	J	0.80	0.12	ppb v/v	4		TO-15	Total/NA
Ethylbenzene	2.0		0.80	0.29	ppb v/v	4		TO-15	Total/NA
m,p-Xylene	8.1		2.0	0.28	ppb v/v	4		TO-15	Total/NA
o-Xylene	3.2		0.80	0.28	ppb v/v	4		TO-15	Total/NA
Styrene	8.4		0.80	0.34	ppb v/v	4		TO-15	Total/NA
Cumene	0.50	J	0.80	0.24	ppb v/v	4		TO-15	Total/NA
n-Propylbenzene	0.31	J	0.80	0.28	ppb v/v	4		TO-15	Total/NA
1,2,4-Trimethylbenzene	0.65	J	0.80	0.32	ppb v/v	4		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	5.0	J	9.9	4.0	ug/m3	4		TO-15	Total/NA
n-Butane	16		4.8	2.9	ug/m3	4		TO-15	Total/NA
1,3-Butadiene	0.95	J	1.8	0.58	ug/m3	4		TO-15	Total/NA
Acetone	210		48	25	ug/m3	4		TO-15	Total/NA
Methylene Chloride	8.3		6.9	2.8	ug/m3	4		TO-15	Total/NA
tert-Butyl alcohol	220		61	18	ug/m3	4		TO-15	Total/NA
n-Hexane	8.3		2.8	2.3	ug/m3	4		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone)	58		5.9	2.4	ug/m3	4		TO-15	Total/NA
Cyclohexane	13		2.8	0.87	ug/m3	4		TO-15	Total/NA
2,2,4-Trimethylpentane	15		3.7	1.6	ug/m3	4		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SV002 (Continued) — Lab Sample ID: 200-43091-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	2.5	J	2.6	0.91	ug/m3	4		TO-15	Total/NA
n-Heptane	6.4		3.3	2.3	ug/m3	4		TO-15	Total/NA
Trichloroethene	1.5		0.75	0.64	ug/m3	4		TO-15	Total/NA
Toluene	20		3.0	1.0	ug/m3	4		TO-15	Total/NA
Tetrachloroethene	2.4	J	5.4	0.79	ug/m3	4		TO-15	Total/NA
Ethylbenzene	8.8		3.5	1.3	ug/m3	4		TO-15	Total/NA
m,p-Xylene	35		8.7	1.2	ug/m3	4		TO-15	Total/NA
o-Xylene	14		3.5	1.2	ug/m3	4		TO-15	Total/NA
Styrene	36		3.4	1.5	ug/m3	4		TO-15	Total/NA
Cumene	2.4	J	3.9	1.2	ug/m3	4		TO-15	Total/NA
n-Propylbenzene	1.5	J	3.9	1.4	ug/m3	4		TO-15	Total/NA
1,2,4-Trimethylbenzene	3.2	J	3.9	1.6	ug/m3	4		TO-15	Total/NA

Client Sample ID: SV003 — Lab Sample ID: 200-43091-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	0.44	J	0.50	0.20	ppb v/v	1		TO-15	Total/NA
Chlorodifluoromethane	0.29	J	0.50	0.26	ppb v/v	1		TO-15	Total/NA
Chloromethane	0.58		0.50	0.25	ppb v/v	1		TO-15	Total/NA
n-Butane	1.5		0.50	0.31	ppb v/v	1		TO-15	Total/NA
Trichlorofluoromethane	0.24		0.20	0.062	ppb v/v	1		TO-15	Total/NA
1,1,2-Trichlorotrifluoroethane	0.076	J	0.20	0.031	ppb v/v	1		TO-15	Total/NA
Acetone	17		5.0	2.6	ppb v/v	1		TO-15	Total/NA
Methylene Chloride	1.5		0.50	0.20	ppb v/v	1		TO-15	Total/NA
tert-Butyl alcohol	8.9		5.0	1.5	ppb v/v	1		TO-15	Total/NA
n-Hexane	0.48		0.20	0.16	ppb v/v	1		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone)	3.1		0.50	0.20	ppb v/v	1		TO-15	Total/NA
Cyclohexane	2.8		0.20	0.063	ppb v/v	1		TO-15	Total/NA
Carbon tetrachloride	0.071		0.035	0.024	ppb v/v	1		TO-15	Total/NA
Benzene	0.30		0.20	0.071	ppb v/v	1		TO-15	Total/NA
n-Heptane	0.33		0.20	0.14	ppb v/v	1		TO-15	Total/NA
Toluene	1.4		0.20	0.069	ppb v/v	1		TO-15	Total/NA
Tetrachloroethene	0.10	J	0.20	0.029	ppb v/v	1		TO-15	Total/NA
Ethylbenzene	1.1		0.20	0.073	ppb v/v	1		TO-15	Total/NA
m,p-Xylene	4.7		0.50	0.070	ppb v/v	1		TO-15	Total/NA
o-Xylene	1.8		0.20	0.071	ppb v/v	1		TO-15	Total/NA
Styrene	5.3		0.20	0.086	ppb v/v	1		TO-15	Total/NA
Cumene	0.22		0.20	0.059	ppb v/v	1		TO-15	Total/NA
n-Propylbenzene	0.13	J	0.20	0.069	ppb v/v	1		TO-15	Total/NA
4-Ethyltoluene	0.077	J	0.20	0.069	ppb v/v	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	0.14	J	0.20	0.080	ppb v/v	1		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	2.2	J	2.5	0.99	ug/m3	1		TO-15	Total/NA
Chlorodifluoromethane	1.0	J	1.8	0.92	ug/m3	1		TO-15	Total/NA
Chloromethane	1.2		1.0	0.52	ug/m3	1		TO-15	Total/NA
n-Butane	3.6		1.2	0.74	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	1.4		1.1	0.35	ug/m3	1		TO-15	Total/NA
1,1,2-Trichlorotrifluoroethane	0.58	J	1.5	0.24	ug/m3	1		TO-15	Total/NA
Acetone	40		12	6.2	ug/m3	1		TO-15	Total/NA
Methylene Chloride	5.0		1.7	0.69	ug/m3	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SV003 (Continued) — Lab Sample ID: 200-43091-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
tert-Butyl alcohol	27		15	4.5	ug/m3	1		TO-15	Total/NA
n-Hexane	1.7		0.70	0.56	ug/m3	1		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone)	9.0		1.5	0.59	ug/m3	1		TO-15	Total/NA
Cyclohexane	9.5		0.69	0.22	ug/m3	1		TO-15	Total/NA
Carbon tetrachloride	0.45		0.22	0.15	ug/m3	1		TO-15	Total/NA
Benzene	0.95		0.64	0.23	ug/m3	1		TO-15	Total/NA
n-Heptane	1.4		0.82	0.57	ug/m3	1		TO-15	Total/NA
Toluene	5.4		0.75	0.26	ug/m3	1		TO-15	Total/NA
Tetrachloroethene	0.69	J	1.4	0.20	ug/m3	1		TO-15	Total/NA
Ethylbenzene	4.9		0.87	0.32	ug/m3	1		TO-15	Total/NA
m,p-Xylene	20		2.2	0.30	ug/m3	1		TO-15	Total/NA
o-Xylene	7.9		0.87	0.31	ug/m3	1		TO-15	Total/NA
Styrene	23		0.85	0.37	ug/m3	1		TO-15	Total/NA
Cumene	1.1		0.98	0.29	ug/m3	1		TO-15	Total/NA
n-Propylbenzene	0.65	J	0.98	0.34	ug/m3	1		TO-15	Total/NA
4-Ethyltoluene	0.38	J	0.98	0.34	ug/m3	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	0.68	J	0.98	0.39	ug/m3	1		TO-15	Total/NA

Client Sample ID: SV004 — Lab Sample ID: 200-43091-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	0.51	J	1.0	0.40	ppb v/v	2		TO-15	Total/NA
Chloromethane	0.66	J	1.0	0.50	ppb v/v	2		TO-15	Total/NA
n-Butane	4.4		1.0	0.62	ppb v/v	2		TO-15	Total/NA
Trichlorofluoromethane	0.23	J	0.40	0.12	ppb v/v	2		TO-15	Total/NA
Acetone	28		10	5.2	ppb v/v	2		TO-15	Total/NA
Methylene Chloride	4.1		1.0	0.40	ppb v/v	2		TO-15	Total/NA
tert-Butyl alcohol	52		10	3.0	ppb v/v	2		TO-15	Total/NA
n-Hexane	1.1		0.40	0.32	ppb v/v	2		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone)	4.9		1.0	0.40	ppb v/v	2		TO-15	Total/NA
Cyclohexane	5.6		0.40	0.13	ppb v/v	2		TO-15	Total/NA
Carbon tetrachloride	0.070		0.070	0.048	ppb v/v	2		TO-15	Total/NA
Benzene	0.48		0.40	0.14	ppb v/v	2		TO-15	Total/NA
n-Heptane	0.76		0.40	0.28	ppb v/v	2		TO-15	Total/NA
Toluene	2.2		0.40	0.14	ppb v/v	2		TO-15	Total/NA
Tetrachloroethene	0.10	J	0.40	0.058	ppb v/v	2		TO-15	Total/NA
Ethylbenzene	1.1		0.40	0.15	ppb v/v	2		TO-15	Total/NA
m,p-Xylene	3.9		1.0	0.14	ppb v/v	2		TO-15	Total/NA
o-Xylene	1.4		0.40	0.14	ppb v/v	2		TO-15	Total/NA
Styrene	3.2		0.40	0.17	ppb v/v	2		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	2.5	J	4.9	2.0	ug/m3	2		TO-15	Total/NA
Chloromethane	1.4	J	2.1	1.0	ug/m3	2		TO-15	Total/NA
n-Butane	11		2.4	1.5	ug/m3	2		TO-15	Total/NA
Trichlorofluoromethane	1.3	J	2.2	0.70	ug/m3	2		TO-15	Total/NA
Acetone	65		24	12	ug/m3	2		TO-15	Total/NA
Methylene Chloride	14		3.5	1.4	ug/m3	2		TO-15	Total/NA
tert-Butyl alcohol	160		30	9.1	ug/m3	2		TO-15	Total/NA
n-Hexane	3.9		1.4	1.1	ug/m3	2		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone)	14		2.9	1.2	ug/m3	2		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SV004 (Continued) — Lab Sample ID: 200-43091-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cyclohexane	19		1.4	0.43	ug/m3	2		TO-15	Total/NA
Carbon tetrachloride	0.44		0.44	0.30	ug/m3	2		TO-15	Total/NA
Benzene	1.5		1.3	0.45	ug/m3	2		TO-15	Total/NA
n-Heptane	3.1		1.6	1.1	ug/m3	2		TO-15	Total/NA
Toluene	8.5		1.5	0.52	ug/m3	2		TO-15	Total/NA
Tetrachloroethene	0.69	J	2.7	0.39	ug/m3	2		TO-15	Total/NA
Ethylbenzene	4.7		1.7	0.63	ug/m3	2		TO-15	Total/NA
m,p-Xylene	17		4.3	0.61	ug/m3	2		TO-15	Total/NA
o-Xylene	6.2		1.7	0.62	ug/m3	2		TO-15	Total/NA
Styrene	14		1.7	0.73	ug/m3	2		TO-15	Total/NA

Client Sample ID: AMBIENT — Lab Sample ID: 200-43091-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	0.45	J	0.50	0.20	ppb v/v	1		TO-15	Total/NA
Chlorodifluoromethane	0.27	J	0.50	0.26	ppb v/v	1		TO-15	Total/NA
Chloromethane	0.69		0.50	0.25	ppb v/v	1		TO-15	Total/NA
n-Butane	0.66		0.50	0.31	ppb v/v	1		TO-15	Total/NA
Trichlorofluoromethane	0.24		0.20	0.062	ppb v/v	1		TO-15	Total/NA
1,1,2-Trichlorotrifluoroethane	0.071	J	0.20	0.031	ppb v/v	1		TO-15	Total/NA
Acetone	6.6		5.0	2.6	ppb v/v	1		TO-15	Total/NA
Methylene Chloride	1.1		0.50	0.20	ppb v/v	1		TO-15	Total/NA
n-Hexane	0.18	J	0.20	0.16	ppb v/v	1		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone)	1.1		0.50	0.20	ppb v/v	1		TO-15	Total/NA
Carbon tetrachloride	0.059		0.035	0.024	ppb v/v	1		TO-15	Total/NA
Benzene	0.16	J	0.20	0.071	ppb v/v	1		TO-15	Total/NA
Toluene	0.26		0.20	0.069	ppb v/v	1		TO-15	Total/NA
Ethylbenzene	0.073	J	0.20	0.073	ppb v/v	1		TO-15	Total/NA
m,p-Xylene	0.16	J	0.50	0.070	ppb v/v	1		TO-15	Total/NA
o-Xylene	0.072	J	0.20	0.071	ppb v/v	1		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	2.2	J	2.5	0.99	ug/m3	1		TO-15	Total/NA
Chlorodifluoromethane	0.96	J	1.8	0.92	ug/m3	1		TO-15	Total/NA
Chloromethane	1.4		1.0	0.52	ug/m3	1		TO-15	Total/NA
n-Butane	1.6		1.2	0.74	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	1.4		1.1	0.35	ug/m3	1		TO-15	Total/NA
1,1,2-Trichlorotrifluoroethane	0.55	J	1.5	0.24	ug/m3	1		TO-15	Total/NA
Acetone	16		12	6.2	ug/m3	1		TO-15	Total/NA
Methylene Chloride	3.9		1.7	0.69	ug/m3	1		TO-15	Total/NA
n-Hexane	0.63	J	0.70	0.56	ug/m3	1		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone)	3.4		1.5	0.59	ug/m3	1		TO-15	Total/NA
Carbon tetrachloride	0.37		0.22	0.15	ug/m3	1		TO-15	Total/NA
Benzene	0.52	J	0.64	0.23	ug/m3	1		TO-15	Total/NA
Toluene	1.0		0.75	0.26	ug/m3	1		TO-15	Total/NA
Ethylbenzene	0.32	J	0.87	0.32	ug/m3	1		TO-15	Total/NA
m,p-Xylene	0.70	J	2.2	0.30	ug/m3	1		TO-15	Total/NA
o-Xylene	0.31	J	0.87	0.31	ug/m3	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: PW Grosser Consulting
Project/Site: Yaphank Superfund site

TestAmerica Job ID: 200-43091-1
SDG: 200-43091-1

Method	Method Description	Protocol	Laboratory
TO-15	Volatile Organic Compounds in Ambient Air	EPA	TAL BUR

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

TAL BUR = TestAmerica Burlington, 30 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Client Sample ID: SV001

Date Collected: 04/13/18 11:35
Date Received: 04/14/18 12:05
Sample Container: Summa Canister 6L

Lab Sample ID: 200-43091-1

Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**1.5**		0.50	0.20	ppb v/v			04/16/18 23:01	1
Chlorodifluoromethane	0.50	U	0.50	0.26	ppb v/v			04/16/18 23:01	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.068	ppb v/v			04/16/18 23:01	1
Chloromethane	0.50	U	0.50	0.25	ppb v/v			04/16/18 23:01	1
n-Butane	**1.8**		0.50	0.31	ppb v/v			04/16/18 23:01	1
Vinyl chloride	0.035	U	0.035	0.041	ppb v/v			04/16/18 23:01	1
1,3-Butadiene	**0.19**	**J**	0.20	0.065	ppb v/v			04/16/18 23:01	1
Bromomethane	0.20	U	0.20	0.062	ppb v/v			04/16/18 23:01	1
Chloroethane	0.50	U	0.50	0.21	ppb v/v			04/16/18 23:01	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.056	ppb v/v			04/16/18 23:01	1
Trichlorofluoromethane	**0.66**		0.20	0.062	ppb v/v			04/16/18 23:01	1
1,1,2-Trichlorotrifluoroethane	**0.071**	**J**	0.20	0.031	ppb v/v			04/16/18 23:01	1
1,1-Dichloroethene	0.035	U	0.035	0.034	ppb v/v			04/16/18 23:01	1
Acetone	**20**		5.0	2.6	ppb v/v			04/16/18 23:01	1
Isopropyl alcohol	**2.0**	**J**	5.0	1.8	ppb v/v			04/16/18 23:01	1
Carbon disulfide	**0.26**	**J**	0.50	0.12	ppb v/v			04/16/18 23:01	1
3-Chloropropene	0.50	U	0.50	0.27	ppb v/v			04/16/18 23:01	1
Methylene Chloride	**1.9**		0.50	0.20	ppb v/v			04/16/18 23:01	1
tert-Butyl alcohol	**12**		5.0	1.5	ppb v/v			04/16/18 23:01	1
Methyl tert-butyl ether	0.20	U	0.20	0.061	ppb v/v			04/16/18 23:01	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.074	ppb v/v			04/16/18 23:01	1
n-Hexane	**0.91**		0.20	0.16	ppb v/v			04/16/18 23:01	1
1,1-Dichloroethane	0.20	U	0.20	0.026	ppb v/v			04/16/18 23:01	1
Methyl Ethyl Ketone (2-Butanone)	**5.7**		0.50	0.20	ppb v/v			04/16/18 23:01	1
cis-1,2-Dichloroethene	0.035	U	0.035	0.037	ppb v/v			04/16/18 23:01	1
Chloroform	**0.43**		0.20	0.052	ppb v/v			04/16/18 23:01	1
Tetrahydrofuran	5.0	U	5.0	2.6	ppb v/v			04/16/18 23:01	1
1,1,1-Trichloroethane	0.20	U	0.20	0.068	ppb v/v			04/16/18 23:01	1
Cyclohexane	**1.9**		0.20	0.063	ppb v/v			04/16/18 23:01	1
Carbon tetrachloride	**0.039**		0.035	0.024	ppb v/v			04/16/18 23:01	1
2,2,4-Trimethylpentane	0.20	U	0.20	0.088	ppb v/v			04/16/18 23:01	1
Benzene	**0.53**		0.20	0.071	ppb v/v			04/16/18 23:01	1
1,2-Dichloroethane	0.20	U	0.20	0.063	ppb v/v			04/16/18 23:01	1
n-Heptane	**1.4**		0.20	0.14	ppb v/v			04/16/18 23:01	1
Trichloroethene	**0.080**		0.035	0.030	ppb v/v			04/16/18 23:01	1
Methyl methacrylate	0.50	U	0.50	0.22	ppb v/v			04/16/18 23:01	1
1,2-Dichloropropane	0.20	U	0.20	0.12	ppb v/v			04/16/18 23:01	1
1,4-Dioxane	5.0	U	5.0	1.3	ppb v/v			04/16/18 23:01	1
Bromodichloromethane	**0.47**		0.20	0.094	ppb v/v			04/16/18 23:01	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.098	ppb v/v			04/16/18 23:01	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	0.50	U	0.50	0.36	ppb v/v			04/16/18 23:01	1
Toluene	**7.5**		0.20	0.069	ppb v/v			04/16/18 23:01	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.12	ppb v/v			04/16/18 23:01	1
1,1,2-Trichloroethane	0.20	U	0.20	0.078	ppb v/v			04/16/18 23:01	1
Tetrachloroethene	**0.33**		0.20	0.029	ppb v/v			04/16/18 23:01	1
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.42	ppb v/v			04/16/18 23:01	1
Dibromochloromethane	0.20	U	0.20	0.071	ppb v/v			04/16/18 23:01	1

Client Sample ID: SV001

Date Collected: 04/13/18 11:35
Date Received: 04/14/18 12:05
Sample Container: Summa Canister 6L

Lab Sample ID: 200-43091-1

Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	0.20	U	0.20	0.069	ppb v/v			04/16/18 23:01	1
Chlorobenzene	0.20	U	0.20	0.040	ppb v/v			04/16/18 23:01	1
Ethylbenzene	**1.6**		0.20	0.073	ppb v/v			04/16/18 23:01	1
m,p-Xylene	**5.5**		0.50	0.070	ppb v/v			04/16/18 23:01	1
o-Xylene	**1.9**		0.20	0.071	ppb v/v			04/16/18 23:01	1
Styrene	**4.8**		0.20	0.086	ppb v/v			04/16/18 23:01	1
Bromoform	0.20	U	0.20	0.086	ppb v/v			04/16/18 23:01	1
Cumene	**0.23**		0.20	0.059	ppb v/v			04/16/18 23:01	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.076	ppb v/v			04/16/18 23:01	1
n-Propylbenzene	**0.19**	**J**	0.20	0.069	ppb v/v			04/16/18 23:01	1
4-Ethyltoluene	**0.17**	**J**	0.20	0.069	ppb v/v			04/16/18 23:01	1
1,3,5-Trimethylbenzene	**0.12**	**J**	0.20	0.058	ppb v/v			04/16/18 23:01	1
2-Chlorotoluene	0.20	U	0.20	0.071	ppb v/v			04/16/18 23:01	1
tert-Butylbenzene	0.20	U	0.20	0.058	ppb v/v			04/16/18 23:01	1
1,2,4-Trimethylbenzene	**0.40**		0.20	0.080	ppb v/v			04/16/18 23:01	1
sec-Butylbenzene	0.20	U	0.20	0.066	ppb v/v			04/16/18 23:01	1
4-Isopropyltoluene	**0.10**	**J**	0.20	0.075	ppb v/v			04/16/18 23:01	1
1,3-Dichlorobenzene	0.20	U	0.20	0.082	ppb v/v			04/16/18 23:01	1
1,4-Dichlorobenzene	0.20	U	0.20	0.065	ppb v/v			04/16/18 23:01	1
Benzyl chloride	0.20	U	0.20	0.12	ppb v/v			04/16/18 23:01	1
n-Butylbenzene	0.20	U	0.20	0.080	ppb v/v			04/16/18 23:01	1
1,2-Dichlorobenzene	0.20	U	0.20	0.071	ppb v/v			04/16/18 23:01	1
1,2,4-Trichlorobenzene	0.50	U	0.50	0.24	ppb v/v			04/16/18 23:01	1
Hexachlorobutadiene	0.20	U	0.20	0.082	ppb v/v			04/16/18 23:01	1
Naphthalene	0.50	U	0.50	0.31	ppb v/v			04/16/18 23:01	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**7.2**		2.5	0.99	ug/m3			04/16/18 23:01	1
Chlorodifluoromethane	1.8	U	1.8	0.92	ug/m3			04/16/18 23:01	1
1,2-Dichlorotetrafluoroethane	1.4	U	1.4	0.48	ug/m3			04/16/18 23:01	1
Chloromethane	1.0	U	1.0	0.52	ug/m3			04/16/18 23:01	1
n-Butane	**4.2**		1.2	0.74	ug/m3			04/16/18 23:01	1
Vinyl chloride	0.089	U	0.089	0.10	ug/m3			04/16/18 23:01	1
1,3-Butadiene	**0.41**	**J**	0.44	0.14	ug/m3			04/16/18 23:01	1
Bromomethane	0.78	U	0.78	0.24	ug/m3			04/16/18 23:01	1
Chloroethane	1.3	U	1.3	0.55	ug/m3			04/16/18 23:01	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.24	ug/m3			04/16/18 23:01	1
Trichlorofluoromethane	**3.7**		1.1	0.35	ug/m3			04/16/18 23:01	1
1,1,2-Trichlorotrifluoroethane	**0.54**	**J**	1.5	0.24	ug/m3			04/16/18 23:01	1
1,1-Dichloroethene	0.14	U	0.14	0.13	ug/m3			04/16/18 23:01	1
Acetone	**47**		12	6.2	ug/m3			04/16/18 23:01	1
Isopropyl alcohol	**4.9**	**J**	12	4.4	ug/m3			04/16/18 23:01	1
Carbon disulfide	**0.81**	**J**	1.6	0.37	ug/m3			04/16/18 23:01	1
3-Chloropropene	1.6	U	1.6	0.85	ug/m3			04/16/18 23:01	1
Methylene Chloride	**6.5**		1.7	0.69	ug/m3			04/16/18 23:01	1
tert-Butyl alcohol	**37**		15	4.5	ug/m3			04/16/18 23:01	1
Methyl tert-butyl ether	0.72	U	0.72	0.22	ug/m3			04/16/18 23:01	1
trans-1,2-Dichloroethene	0.79	U	0.79	0.29	ug/m3			04/16/18 23:01	1
n-Hexane	**3.2**		0.70	0.56	ug/m3			04/16/18 23:01	1

Client Sample ID: SV001

Date Collected: 04/13/18 11:35
Date Received: 04/14/18 12:05
Sample Container: Summa Canister 6L

Lab Sample ID: 200-43091-1

Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	0.81	U	0.81	0.11	ug/m3			04/16/18 23:01	1
Methyl Ethyl Ketone (2-Butanone)	**17**		1.5	0.59	ug/m3			04/16/18 23:01	1
cis-1,2-Dichloroethene	0.14	U	0.14	0.15	ug/m3			04/16/18 23:01	1
Chloroform	**2.1**		0.98	0.25	ug/m3			04/16/18 23:01	1
Tetrahydrofuran	15	U	15	7.7	ug/m3			04/16/18 23:01	1
1,1,1-Trichloroethane	1.1	U	1.1	0.37	ug/m3			04/16/18 23:01	1
Cyclohexane	**6.7**		0.69	0.22	ug/m3			04/16/18 23:01	1
Carbon tetrachloride	**0.24**		0.22	0.15	ug/m3			04/16/18 23:01	1
2,2,4-Trimethylpentane	0.93	U	0.93	0.41	ug/m3			04/16/18 23:01	1
Benzene	**1.7**		0.64	0.23	ug/m3			04/16/18 23:01	1
1,2-Dichloroethane	0.81	U	0.81	0.25	ug/m3			04/16/18 23:01	1
n-Heptane	**5.8**		0.82	0.57	ug/m3			04/16/18 23:01	1
Trichloroethene	**0.43**		0.19	0.16	ug/m3			04/16/18 23:01	1
Methyl methacrylate	2.0	U	2.0	0.90	ug/m3			04/16/18 23:01	1
1,2-Dichloropropane	0.92	U	0.92	0.55	ug/m3			04/16/18 23:01	1
1,4-Dioxane	18	U	18	4.7	ug/m3			04/16/18 23:01	1
Bromodichloromethane	**3.1**		1.3	0.63	ug/m3			04/16/18 23:01	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.44	ug/m3			04/16/18 23:01	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	2.0	U	2.0	1.5	ug/m3			04/16/18 23:01	1
Toluene	**28**		0.75	0.26	ug/m3			04/16/18 23:01	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.54	ug/m3			04/16/18 23:01	1
1,1,2-Trichloroethane	1.1	U	1.1	0.43	ug/m3			04/16/18 23:01	1
Tetrachloroethene	**2.2**		1.4	0.20	ug/m3			04/16/18 23:01	1
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0	1.7	ug/m3			04/16/18 23:01	1
Dibromochloromethane	1.7	U	1.7	0.60	ug/m3			04/16/18 23:01	1
1,2-Dibromoethane	1.5	U	1.5	0.53	ug/m3			04/16/18 23:01	1
Chlorobenzene	0.92	U	0.92	0.18	ug/m3			04/16/18 23:01	1
Ethylbenzene	**7.1**		0.87	0.32	ug/m3			04/16/18 23:01	1
m,p-Xylene	**24**		2.2	0.30	ug/m3			04/16/18 23:01	1
o-Xylene	**8.5**		0.87	0.31	ug/m3			04/16/18 23:01	1
Styrene	**20**		0.85	0.37	ug/m3			04/16/18 23:01	1
Bromoform	2.1	U	2.1	0.89	ug/m3			04/16/18 23:01	1
Cumene	**1.2**		0.98	0.29	ug/m3			04/16/18 23:01	1
1,1,2,2-Tetrachloroethane	1.4	U	1.4	0.52	ug/m3			04/16/18 23:01	1
n-Propylbenzene	**0.91**	**J**	0.98	0.34	ug/m3			04/16/18 23:01	1
4-Ethyltoluene	**0.84**	**J**	0.98	0.34	ug/m3			04/16/18 23:01	1
1,3,5-Trimethylbenzene	**0.57**	**J**	0.98	0.29	ug/m3			04/16/18 23:01	1
2-Chlorotoluene	1.0	U	1.0	0.37	ug/m3			04/16/18 23:01	1
tert-Butylbenzene	1.1	U	1.1	0.32	ug/m3			04/16/18 23:01	1
1,2,4-Trimethylbenzene	**2.0**		0.98	0.39	ug/m3			04/16/18 23:01	1
sec-Butylbenzene	1.1	U	1.1	0.36	ug/m3			04/16/18 23:01	1
4-Isopropyltoluene	**0.56**	**J**	1.1	0.41	ug/m3			04/16/18 23:01	1
1,3-Dichlorobenzene	1.2	U	1.2	0.49	ug/m3			04/16/18 23:01	1
1,4-Dichlorobenzene	1.2	U	1.2	0.39	ug/m3			04/16/18 23:01	1
Benzyl chloride	1.0	U	1.0	0.62	ug/m3			04/16/18 23:01	1
n-Butylbenzene	1.1	U	1.1	0.44	ug/m3			04/16/18 23:01	1
1,2-Dichlorobenzene	1.2	U	1.2	0.43	ug/m3			04/16/18 23:01	1
1,2,4-Trichlorobenzene	3.7	U	3.7	1.8	ug/m3			04/16/18 23:01	1

Client Sample ID: SV001

Lab Sample ID: 200-43091-1

Date Collected: 04/13/18 11:35
Matrix: Air
Date Received: 04/14/18 12:05
Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobutadiene	2.1	U	2.1	0.87	ug/m3			04/16/18 23:01	1
Naphthalene	2.6	U	2.6	1.6	ug/m3			04/16/18 23:01	1

Client Sample ID: SV002

Lab Sample ID: 200-43091-2

Date Collected: 04/13/18 12:40
Matrix: Air
Date Received: 04/14/18 12:05
Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**1.0**	**J**	2.0	0.80	ppb v/v			04/18/18 14:23	4
Chlorodifluoromethane	2.0	U	2.0	1.0	ppb v/v			04/18/18 14:23	4
1,2-Dichlorotetrafluoroethane	0.80	U	0.80	0.27	ppb v/v			04/18/18 14:23	4
Chloromethane	2.0	U	2.0	1.0	ppb v/v			04/18/18 14:23	4
n-Butane	**6.7**		2.0	1.2	ppb v/v			04/18/18 14:23	4
Vinyl chloride	0.14	U	0.14	0.16	ppb v/v			04/18/18 14:23	4
1,3-Butadiene	**0.43**	**J**	0.80	0.26	ppb v/v			04/18/18 14:23	4
Bromomethane	0.80	U	0.80	0.25	ppb v/v			04/18/18 14:23	4
Chloroethane	2.0	U	2.0	0.84	ppb v/v			04/18/18 14:23	4
Bromoethene(Vinyl Bromide)	0.80	U	0.80	0.22	ppb v/v			04/18/18 14:23	4
Trichlorofluoromethane	0.80	U	0.80	0.25	ppb v/v			04/18/18 14:23	4
1,1,2-Trichlorotrifluoroethane	0.80	U	0.80	0.12	ppb v/v			04/18/18 14:23	4
1,1-Dichloroethene	0.14	U	0.14	0.14	ppb v/v			04/18/18 14:23	4
Acetone	**89**		20	10	ppb v/v			04/18/18 14:23	4
Isopropyl alcohol	20	U	20	7.2	ppb v/v			04/18/18 14:23	4
Carbon disulfide	2.0	U	2.0	0.48	ppb v/v			04/18/18 14:23	4
3-Chloropropene	2.0	U	2.0	1.1	ppb v/v			04/18/18 14:23	4
Methylene Chloride	**2.4**		2.0	0.80	ppb v/v			04/18/18 14:23	4
tert-Butyl alcohol	**73**		20	6.0	ppb v/v			04/18/18 14:23	4
Methyl tert-butyl ether	0.80	U	0.80	0.24	ppb v/v			04/18/18 14:23	4
trans-1,2-Dichloroethene	0.80	U	0.80	0.30	ppb v/v			04/18/18 14:23	4
n-Hexane	**2.4**		0.80	0.64	ppb v/v			04/18/18 14:23	4
1,1-Dichloroethane	0.80	U	0.80	0.10	ppb v/v			04/18/18 14:23	4
Methyl Ethyl Ketone (2-Butanone)	**20**		2.0	0.80	ppb v/v			04/18/18 14:23	4
cis-1,2-Dichloroethene	0.14	U	0.14	0.15	ppb v/v			04/18/18 14:23	4
Chloroform	0.80	U	0.80	0.21	ppb v/v			04/18/18 14:23	4
Tetrahydrofuran	20	U	20	10	ppb v/v			04/18/18 14:23	4
1,1,1-Trichloroethane	0.80	U	0.80	0.27	ppb v/v			04/18/18 14:23	4
Cyclohexane	**3.9**		0.80	0.25	ppb v/v			04/18/18 14:23	4
Carbon tetrachloride	0.14	U	0.14	0.096	ppb v/v			04/18/18 14:23	4
2,2,4-Trimethylpentane	**3.3**		0.80	0.35	ppb v/v			04/18/18 14:23	4
Benzene	**0.77**	**J**	0.80	0.28	ppb v/v			04/18/18 14:23	4
1,2-Dichloroethane	0.80	U	0.80	0.25	ppb v/v			04/18/18 14:23	4
n-Heptane	**1.6**		0.80	0.56	ppb v/v			04/18/18 14:23	4
Trichloroethene	**0.29**		0.14	0.12	ppb v/v			04/18/18 14:23	4
Methyl methacrylate	2.0	U	2.0	0.88	ppb v/v			04/18/18 14:23	4
1,2-Dichloropropane	0.80	U	0.80	0.48	ppb v/v			04/18/18 14:23	4
1,4-Dioxane	20	U	20	5.2	ppb v/v			04/18/18 14:23	4
Bromodichloromethane	0.80	U	0.80	0.38	ppb v/v			04/18/18 14:23	4

Client Sample ID: SV002

Date Collected: 04/13/18 12:40
Date Received: 04/14/18 12:05
Sample Container: Summa Canister 6L

Lab Sample ID: 200-43091-2

Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	0.80	U	0.80	0.39	ppb v/v			04/18/18 14:23	4
4-Methyl-2-pentanone (Methyl isobutyl ketone)	2.0	U	2.0	1.4	ppb v/v			04/18/18 14:23	4
Toluene	**5.3**		0.80	0.28	ppb v/v			04/18/18 14:23	4
trans-1,3-Dichloropropene	0.80	U	0.80	0.48	ppb v/v			04/18/18 14:23	4
1,1,2-Trichloroethane	0.80	U	0.80	0.31	ppb v/v			04/18/18 14:23	4
Tetrachloroethene	**0.36**	**J**	0.80	0.12	ppb v/v			04/18/18 14:23	4
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0	1.7	ppb v/v			04/18/18 14:23	4
Dibromochloromethane	0.80	U	0.80	0.28	ppb v/v			04/18/18 14:23	4
1,2-Dibromoethane	0.80	U	0.80	0.28	ppb v/v			04/18/18 14:23	4
Chlorobenzene	0.80	U	0.80	0.16	ppb v/v			04/18/18 14:23	4
Ethylbenzene	**2.0**		0.80	0.29	ppb v/v			04/18/18 14:23	4
m,p-Xylene	**8.1**		2.0	0.28	ppb v/v			04/18/18 14:23	4
o-Xylene	**3.2**		0.80	0.28	ppb v/v			04/18/18 14:23	4
Styrene	**8.4**		0.80	0.34	ppb v/v			04/18/18 14:23	4
Bromoform	0.80	U	0.80	0.34	ppb v/v			04/18/18 14:23	4
Cumene	**0.50**	**J**	0.80	0.24	ppb v/v			04/18/18 14:23	4
1,1,2,2-Tetrachloroethane	0.80	U	0.80	0.30	ppb v/v			04/18/18 14:23	4
n-Propylbenzene	**0.31**	**J**	0.80	0.28	ppb v/v			04/18/18 14:23	4
4-Ethyltoluene	0.80	U	0.80	0.28	ppb v/v			04/18/18 14:23	4
1,3,5-Trimethylbenzene	0.80	U	0.80	0.23	ppb v/v			04/18/18 14:23	4
2-Chlorotoluene	0.80	U	0.80	0.28	ppb v/v			04/18/18 14:23	4
tert-Butylbenzene	0.80	U	0.80	0.23	ppb v/v			04/18/18 14:23	4
1,2,4-Trimethylbenzene	**0.65**	**J**	0.80	0.32	ppb v/v			04/18/18 14:23	4
sec-Butylbenzene	0.80	U	0.80	0.26	ppb v/v			04/18/18 14:23	4
4-Isopropyltoluene	0.80	U	0.80	0.30	ppb v/v			04/18/18 14:23	4
1,3-Dichlorobenzene	0.80	U	0.80	0.33	ppb v/v			04/18/18 14:23	4
1,4-Dichlorobenzene	0.80	U	0.80	0.26	ppb v/v			04/18/18 14:23	4
Benzyl chloride	0.80	U	0.80	0.48	ppb v/v			04/18/18 14:23	4
n-Butylbenzene	0.80	U	0.80	0.32	ppb v/v			04/18/18 14:23	4
1,2-Dichlorobenzene	0.80	U	0.80	0.28	ppb v/v			04/18/18 14:23	4
1,2,4-Trichlorobenzene	2.0	U	2.0	0.96	ppb v/v			04/18/18 14:23	4
Hexachlorobutadiene	0.80	U	0.80	0.33	ppb v/v			04/18/18 14:23	4
Naphthalene	2.0	U	2.0	1.2	ppb v/v			04/18/18 14:23	4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**5.0**	**J**	9.9	4.0	ug/m3			04/18/18 14:23	4
Chlorodifluoromethane	7.1	U	7.1	3.7	ug/m3			04/18/18 14:23	4
1,2-Dichlorotetrafluoroethane	5.6	U	5.6	1.9	ug/m3			04/18/18 14:23	4
Chloromethane	4.1	U	4.1	2.1	ug/m3			04/18/18 14:23	4
n-Butane	**16**		4.8	2.9	ug/m3			04/18/18 14:23	4
Vinyl chloride	0.36	U	0.36	0.42	ug/m3			04/18/18 14:23	4
1,3-Butadiene	**0.95**	**J**	1.8	0.58	ug/m3			04/18/18 14:23	4
Bromomethane	3.1	U	3.1	0.96	ug/m3			04/18/18 14:23	4
Chloroethane	5.3	U	5.3	2.2	ug/m3			04/18/18 14:23	4
Bromoethene(Vinyl Bromide)	3.5	U	3.5	0.98	ug/m3			04/18/18 14:23	4
Trichlorofluoromethane	4.5	U	4.5	1.4	ug/m3			04/18/18 14:23	4
1,1,2-Trichlorotrifluoroethane	6.1	U	6.1	0.95	ug/m3			04/18/18 14:23	4
1,1-Dichloroethene	0.56	U	0.56	0.54	ug/m3			04/18/18 14:23	4

Client Sample ID: SV002

Date Collected: 04/13/18 12:40
Date Received: 04/14/18 12:05
Sample Container: Summa Canister 6L

Lab Sample ID: 200-43091-2

Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**210**		48	25	ug/m3			04/18/18 14:23	4
Isopropyl alcohol	49	U	49	18	ug/m3			04/18/18 14:23	4
Carbon disulfide	6.2	U	6.2	1.5	ug/m3			04/18/18 14:23	4
3-Chloropropene	6.3	U	6.3	3.4	ug/m3			04/18/18 14:23	4
Methylene Chloride	**8.3**		6.9	2.8	ug/m3			04/18/18 14:23	4
tert-Butyl alcohol	**220**		61	18	ug/m3			04/18/18 14:23	4
Methyl tert-butyl ether	2.9	U	2.9	0.88	ug/m3			04/18/18 14:23	4
trans-1,2-Dichloroethene	3.2	U	3.2	1.2	ug/m3			04/18/18 14:23	4
n-Hexane	**8.3**		2.8	2.3	ug/m3			04/18/18 14:23	4
1,1-Dichloroethane	3.2	U	3.2	0.42	ug/m3			04/18/18 14:23	4
Methyl Ethyl Ketone (2-Butanone)	**58**		5.9	2.4	ug/m3			04/18/18 14:23	4
cis-1,2-Dichloroethene	0.56	U	0.56	0.59	ug/m3			04/18/18 14:23	4
Chloroform	3.9	U	3.9	1.0	ug/m3			04/18/18 14:23	4
Tetrahydrofuran	59	U	59	31	ug/m3			04/18/18 14:23	4
1,1,1-Trichloroethane	4.4	U	4.4	1.5	ug/m3			04/18/18 14:23	4
Cyclohexane	**13**		2.8	0.87	ug/m3			04/18/18 14:23	4
Carbon tetrachloride	0.88	U	0.88	0.60	ug/m3			04/18/18 14:23	4
2,2,4-Trimethylpentane	**15**		3.7	1.6	ug/m3			04/18/18 14:23	4
Benzene	**2.5**	**J**	2.6	0.91	ug/m3			04/18/18 14:23	4
1,2-Dichloroethane	3.2	U	3.2	1.0	ug/m3			04/18/18 14:23	4
n-Heptane	**6.4**		3.3	2.3	ug/m3			04/18/18 14:23	4
Trichloroethene	**1.5**		0.75	0.64	ug/m3			04/18/18 14:23	4
Methyl methacrylate	8.2	U	8.2	3.6	ug/m3			04/18/18 14:23	4
1,2-Dichloropropane	3.7	U	3.7	2.2	ug/m3			04/18/18 14:23	4
1,4-Dioxane	72	U	72	19	ug/m3			04/18/18 14:23	4
Bromodichloromethane	5.4	U	5.4	2.5	ug/m3			04/18/18 14:23	4
cis-1,3-Dichloropropene	3.6	U	3.6	1.8	ug/m3			04/18/18 14:23	4
4-Methyl-2-pentanone (Methyl isobutyl ketone)	8.2	U	8.2	5.9	ug/m3			04/18/18 14:23	4
Toluene	**20**		3.0	1.0	ug/m3			04/18/18 14:23	4
trans-1,3-Dichloropropene	3.6	U	3.6	2.2	ug/m3			04/18/18 14:23	4
1,1,2-Trichloroethane	4.4	U	4.4	1.7	ug/m3			04/18/18 14:23	4
Tetrachloroethene	**2.4**	**J**	5.4	0.79	ug/m3			04/18/18 14:23	4
Methyl Butyl Ketone (2-Hexanone)	8.2	U	8.2	6.9	ug/m3			04/18/18 14:23	4
Dibromochloromethane	6.8	U	6.8	2.4	ug/m3			04/18/18 14:23	4
1,2-Dibromoethane	6.1	U	6.1	2.1	ug/m3			04/18/18 14:23	4
Chlorobenzene	3.7	U	3.7	0.74	ug/m3			04/18/18 14:23	4
Ethylbenzene	**8.8**		3.5	1.3	ug/m3			04/18/18 14:23	4
m,p-Xylene	**35**		8.7	1.2	ug/m3			04/18/18 14:23	4
o-Xylene	**14**		3.5	1.2	ug/m3			04/18/18 14:23	4
Styrene	**36**		3.4	1.5	ug/m3			04/18/18 14:23	4
Bromoform	8.3	U	8.3	3.6	ug/m3			04/18/18 14:23	4
Cumene	**2.4**	**J**	3.9	1.2	ug/m3			04/18/18 14:23	4
1,1,2,2-Tetrachloroethane	5.5	U	5.5	2.1	ug/m3			04/18/18 14:23	4
n-Propylbenzene	**1.5**	**J**	3.9	1.4	ug/m3			04/18/18 14:23	4
4-Ethyltoluene	3.9	U	3.9	1.4	ug/m3			04/18/18 14:23	4
1,3,5-Trimethylbenzene	3.9	U	3.9	1.1	ug/m3			04/18/18 14:23	4
2-Chlorotoluene	4.1	U	4.1	1.5	ug/m3			04/18/18 14:23	4
tert-Butylbenzene	4.4	U	4.4	1.3	ug/m3			04/18/18 14:23	4

Client Sample ID: SV002

Lab Sample ID: 200-43091-2

Date Collected: 04/13/18 12:40
Matrix: Air
Date Received: 04/14/18 12:05
Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	**3.2**	**J**	3.9	1.6	ug/m3			04/18/18 14:23	4
sec-Butylbenzene	4.4	U	4.4	1.4	ug/m3			04/18/18 14:23	4
4-Isopropyltoluene	4.4	U	4.4	1.6	ug/m3			04/18/18 14:23	4
1,3-Dichlorobenzene	4.8	U	4.8	2.0	ug/m3			04/18/18 14:23	4
1,4-Dichlorobenzene	4.8	U	4.8	1.6	ug/m3			04/18/18 14:23	4
Benzyl chloride	4.1	U	4.1	2.5	ug/m3			04/18/18 14:23	4
n-Butylbenzene	4.4	U	4.4	1.8	ug/m3			04/18/18 14:23	4
1,2-Dichlorobenzene	4.8	U	4.8	1.7	ug/m3			04/18/18 14:23	4
1,2,4-Trichlorobenzene	15	U	15	7.1	ug/m3			04/18/18 14:23	4
Hexachlorobutadiene	8.5	U	8.5	3.5	ug/m3			04/18/18 14:23	4
Naphthalene	10	U	10	6.5	ug/m3			04/18/18 14:23	4

Client Sample ID: SV003

Lab Sample ID: 200-43091-3

Date Collected: 04/13/18 11:50
Matrix: Air
Date Received: 04/14/18 12:05
Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**0.44**	**J**	0.50	0.20	ppb v/v			04/17/18 01:39	1
Chlorodifluoromethane	**0.29**	**J**	0.50	0.26	ppb v/v			04/17/18 01:39	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.068	ppb v/v			04/17/18 01:39	1
Chloromethane	**0.58**		0.50	0.25	ppb v/v			04/17/18 01:39	1
n-Butane	**1.5**		0.50	0.31	ppb v/v			04/17/18 01:39	1
Vinyl chloride	0.035	U	0.035	0.041	ppb v/v			04/17/18 01:39	1
1,3-Butadiene	0.20	U	0.20	0.065	ppb v/v			04/17/18 01:39	1
Bromomethane	0.20	U	0.20	0.062	ppb v/v			04/17/18 01:39	1
Chloroethane	0.50	U	0.50	0.21	ppb v/v			04/17/18 01:39	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.056	ppb v/v			04/17/18 01:39	1
Trichlorofluoromethane	**0.24**		0.20	0.062	ppb v/v			04/17/18 01:39	1
1,1,2-Trichlorotrifluoroethane	**0.076**	**J**	0.20	0.031	ppb v/v			04/17/18 01:39	1
1,1-Dichloroethene	0.035	U	0.035	0.034	ppb v/v			04/17/18 01:39	1
Acetone	**17**		5.0	2.6	ppb v/v			04/17/18 01:39	1
Isopropyl alcohol	5.0	U	5.0	1.8	ppb v/v			04/17/18 01:39	1
Carbon disulfide	0.50	U	0.50	0.12	ppb v/v			04/17/18 01:39	1
3-Chloropropene	0.50	U	0.50	0.27	ppb v/v			04/17/18 01:39	1
Methylene Chloride	**1.5**		0.50	0.20	ppb v/v			04/17/18 01:39	1
tert-Butyl alcohol	**8.9**		5.0	1.5	ppb v/v			04/17/18 01:39	1
Methyl tert-butyl ether	0.20	U	0.20	0.061	ppb v/v			04/17/18 01:39	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.074	ppb v/v			04/17/18 01:39	1
n-Hexane	**0.48**		0.20	0.16	ppb v/v			04/17/18 01:39	1
1,1-Dichloroethane	0.20	U	0.20	0.026	ppb v/v			04/17/18 01:39	1
Methyl Ethyl Ketone (2-Butanone)	**3.1**		0.50	0.20	ppb v/v			04/17/18 01:39	1
cis-1,2-Dichloroethene	0.035	U	0.035	0.037	ppb v/v			04/17/18 01:39	1
Chloroform	0.20	U	0.20	0.052	ppb v/v			04/17/18 01:39	1
Tetrahydrofuran	5.0	U	5.0	2.6	ppb v/v			04/17/18 01:39	1
1,1,1-Trichloroethane	0.20	U	0.20	0.068	ppb v/v			04/17/18 01:39	1
Cyclohexane	**2.8**		0.20	0.063	ppb v/v			04/17/18 01:39	1
Carbon tetrachloride	**0.071**		0.035	0.024	ppb v/v			04/17/18 01:39	1

Client Sample ID: SV003

Date Collected: 04/13/18 11:50
Date Received: 04/14/18 12:05
Sample Container: Summa Canister 6L

Lab Sample ID: 200-43091-3

Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2,4-Trimethylpentane	0.20	U	0.20	0.088	ppb v/v			04/17/18 01:39	1
Benzene	**0.30**		0.20	0.071	ppb v/v			04/17/18 01:39	1
1,2-Dichloroethane	0.20	U	0.20	0.063	ppb v/v			04/17/18 01:39	1
n-Heptane	**0.33**		0.20	0.14	ppb v/v			04/17/18 01:39	1
Trichloroethene	0.035	U	0.035	0.030	ppb v/v			04/17/18 01:39	1
Methyl methacrylate	0.50	U	0.50	0.22	ppb v/v			04/17/18 01:39	1
1,2-Dichloropropane	0.20	U	0.20	0.12	ppb v/v			04/17/18 01:39	1
1,4-Dioxane	5.0	U	5.0	1.3	ppb v/v			04/17/18 01:39	1
Bromodichloromethane	0.20	U	0.20	0.094	ppb v/v			04/17/18 01:39	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.098	ppb v/v			04/17/18 01:39	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	0.50	U	0.50	0.36	ppb v/v			04/17/18 01:39	1
Toluene	**1.4**		0.20	0.069	ppb v/v			04/17/18 01:39	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.12	ppb v/v			04/17/18 01:39	1
1,1,2-Trichloroethane	0.20	U	0.20	0.078	ppb v/v			04/17/18 01:39	1
Tetrachloroethene	**0.10**	**J**	0.20	0.029	ppb v/v			04/17/18 01:39	1
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.42	ppb v/v			04/17/18 01:39	1
Dibromochloromethane	0.20	U	0.20	0.071	ppb v/v			04/17/18 01:39	1
1,2-Dibromoethane	0.20	U	0.20	0.069	ppb v/v			04/17/18 01:39	1
Chlorobenzene	0.20	U	0.20	0.040	ppb v/v			04/17/18 01:39	1
Ethylbenzene	**1.1**		0.20	0.073	ppb v/v			04/17/18 01:39	1
m,p-Xylene	**4.7**		0.50	0.070	ppb v/v			04/17/18 01:39	1
o-Xylene	**1.8**		0.20	0.071	ppb v/v			04/17/18 01:39	1
Styrene	**5.3**		0.20	0.086	ppb v/v			04/17/18 01:39	1
Bromoform	0.20	U	0.20	0.086	ppb v/v			04/17/18 01:39	1
Cumene	**0.22**		0.20	0.059	ppb v/v			04/17/18 01:39	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.076	ppb v/v			04/17/18 01:39	1
n-Propylbenzene	**0.13**	**J**	0.20	0.069	ppb v/v			04/17/18 01:39	1
4-Ethyltoluene	**0.077**	**J**	0.20	0.069	ppb v/v			04/17/18 01:39	1
1,3,5-Trimethylbenzene	0.20	U	0.20	0.058	ppb v/v			04/17/18 01:39	1
2-Chlorotoluene	0.20	U	0.20	0.071	ppb v/v			04/17/18 01:39	1
tert-Butylbenzene	0.20	U	0.20	0.058	ppb v/v			04/17/18 01:39	1
1,2,4-Trimethylbenzene	**0.14**	**J**	0.20	0.080	ppb v/v			04/17/18 01:39	1
sec-Butylbenzene	0.20	U	0.20	0.066	ppb v/v			04/17/18 01:39	1
4-Isopropyltoluene	0.20	U	0.20	0.075	ppb v/v			04/17/18 01:39	1
1,3-Dichlorobenzene	0.20	U	0.20	0.082	ppb v/v			04/17/18 01:39	1
1,4-Dichlorobenzene	0.20	U	0.20	0.065	ppb v/v			04/17/18 01:39	1
Benzyl chloride	0.20	U	0.20	0.12	ppb v/v			04/17/18 01:39	1
n-Butylbenzene	0.20	U	0.20	0.080	ppb v/v			04/17/18 01:39	1
1,2-Dichlorobenzene	0.20	U	0.20	0.071	ppb v/v			04/17/18 01:39	1
1,2,4-Trichlorobenzene	0.50	U	0.50	0.24	ppb v/v			04/17/18 01:39	1
Hexachlorobutadiene	0.20	U	0.20	0.082	ppb v/v			04/17/18 01:39	1
Naphthalene	0.50	U	0.50	0.31	ppb v/v			04/17/18 01:39	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**2.2**	**J**	2.5	0.99	ug/m3			04/17/18 01:39	1
Chlorodifluoromethane	**1.0**	**J**	1.8	0.92	ug/m3			04/17/18 01:39	1
1,2-Dichlorotetrafluoroethane	1.4	U	1.4	0.48	ug/m3			04/17/18 01:39	1
Chloromethane	**1.2**		1.0	0.52	ug/m3			04/17/18 01:39	1

Client Sample ID: SV003

Date Collected: 04/13/18 11:50
Date Received: 04/14/18 12:05
Sample Container: Summa Canister 6L

Lab Sample ID: 200-43091-3

Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butane	**3.6**		1.2	0.74	ug/m3			04/17/18 01:39	1
Vinyl chloride	0.089	U	0.089	0.10	ug/m3			04/17/18 01:39	1
1,3-Butadiene	0.44	U	0.44	0.14	ug/m3			04/17/18 01:39	1
Bromomethane	0.78	U	0.78	0.24	ug/m3			04/17/18 01:39	1
Chloroethane	1.3	U	1.3	0.55	ug/m3			04/17/18 01:39	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.24	ug/m3			04/17/18 01:39	1
Trichlorofluoromethane	**1.4**		1.1	0.35	ug/m3			04/17/18 01:39	1
1,1,2-Trichlorotrifluoroethane	**0.58**	**J**	1.5	0.24	ug/m3			04/17/18 01:39	1
1,1-Dichloroethene	0.14	U	0.14	0.13	ug/m3			04/17/18 01:39	1
Acetone	**40**		12	6.2	ug/m3			04/17/18 01:39	1
Isopropyl alcohol	12	U	12	4.4	ug/m3			04/17/18 01:39	1
Carbon disulfide	1.6	U	1.6	0.37	ug/m3			04/17/18 01:39	1
3-Chloropropene	1.6	U	1.6	0.85	ug/m3			04/17/18 01:39	1
Methylene Chloride	**5.0**		1.7	0.69	ug/m3			04/17/18 01:39	1
tert-Butyl alcohol	**27**		15	4.5	ug/m3			04/17/18 01:39	1
Methyl tert-butyl ether	0.72	U	0.72	0.22	ug/m3			04/17/18 01:39	1
trans-1,2-Dichloroethene	0.79	U	0.79	0.29	ug/m3			04/17/18 01:39	1
n-Hexane	**1.7**		0.70	0.56	ug/m3			04/17/18 01:39	1
1,1-Dichloroethane	0.81	U	0.81	0.11	ug/m3			04/17/18 01:39	1
Methyl Ethyl Ketone (2-Butanone)	**9.0**		1.5	0.59	ug/m3			04/17/18 01:39	1
cis-1,2-Dichloroethene	0.14	U	0.14	0.15	ug/m3			04/17/18 01:39	1
Chloroform	0.98	U	0.98	0.25	ug/m3			04/17/18 01:39	1
Tetrahydrofuran	15	U	15	7.7	ug/m3			04/17/18 01:39	1
1,1,1-Trichloroethane	1.1	U	1.1	0.37	ug/m3			04/17/18 01:39	1
Cyclohexane	**9.5**		0.69	0.22	ug/m3			04/17/18 01:39	1
Carbon tetrachloride	**0.45**		0.22	0.15	ug/m3			04/17/18 01:39	1
2,2,4-Trimethylpentane	0.93	U	0.93	0.41	ug/m3			04/17/18 01:39	1
Benzene	**0.95**		0.64	0.23	ug/m3			04/17/18 01:39	1
1,2-Dichloroethane	0.81	U	0.81	0.25	ug/m3			04/17/18 01:39	1
n-Heptane	**1.4**		0.82	0.57	ug/m3			04/17/18 01:39	1
Trichloroethene	0.19	U	0.19	0.16	ug/m3			04/17/18 01:39	1
Methyl methacrylate	2.0	U	2.0	0.90	ug/m3			04/17/18 01:39	1
1,2-Dichloropropane	0.92	U	0.92	0.55	ug/m3			04/17/18 01:39	1
1,4-Dioxane	18	U	18	4.7	ug/m3			04/17/18 01:39	1
Bromodichloromethane	1.3	U	1.3	0.63	ug/m3			04/17/18 01:39	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.44	ug/m3			04/17/18 01:39	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	2.0	U	2.0	1.5	ug/m3			04/17/18 01:39	1
Toluene	**5.4**		0.75	0.26	ug/m3			04/17/18 01:39	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.54	ug/m3			04/17/18 01:39	1
1,1,2-Trichloroethane	1.1	U	1.1	0.43	ug/m3			04/17/18 01:39	1
Tetrachloroethene	**0.69**	**J**	1.4	0.20	ug/m3			04/17/18 01:39	1
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0	1.7	ug/m3			04/17/18 01:39	1
Dibromochloromethane	1.7	U	1.7	0.60	ug/m3			04/17/18 01:39	1
1,2-Dibromoethane	1.5	U	1.5	0.53	ug/m3			04/17/18 01:39	1
Chlorobenzene	0.92	U	0.92	0.18	ug/m3			04/17/18 01:39	1
Ethylbenzene	**4.9**		0.87	0.32	ug/m3			04/17/18 01:39	1
m,p-Xylene	**20**		2.2	0.30	ug/m3			04/17/18 01:39	1
o-Xylene	**7.9**		0.87	0.31	ug/m3			04/17/18 01:39	1

Client Sample ID: SV003

Lab Sample ID: 200-43091-3

Date Collected: 04/13/18 11:50
Matrix: Air
Date Received: 04/14/18 12:05
Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	**23**		0.85	0.37	ug/m3			04/17/18 01:39	1
Bromoform	2.1	U	2.1	0.89	ug/m3			04/17/18 01:39	1
Cumene	**1.1**		0.98	0.29	ug/m3			04/17/18 01:39	1
1,1,2,2-Tetrachloroethane	1.4	U	1.4	0.52	ug/m3			04/17/18 01:39	1
n-Propylbenzene	**0.65**	**J**	0.98	0.34	ug/m3			04/17/18 01:39	1
4-Ethyltoluene	**0.38**	**J**	0.98	0.34	ug/m3			04/17/18 01:39	1
1,3,5-Trimethylbenzene	0.98	U	0.98	0.29	ug/m3			04/17/18 01:39	1
2-Chlorotoluene	1.0	U	1.0	0.37	ug/m3			04/17/18 01:39	1
tert-Butylbenzene	1.1	U	1.1	0.32	ug/m3			04/17/18 01:39	1
1,2,4-Trimethylbenzene	**0.68**	**J**	0.98	0.39	ug/m3			04/17/18 01:39	1
sec-Butylbenzene	1.1	U	1.1	0.36	ug/m3			04/17/18 01:39	1
4-Isopropyltoluene	1.1	U	1.1	0.41	ug/m3			04/17/18 01:39	1
1,3-Dichlorobenzene	1.2	U	1.2	0.49	ug/m3			04/17/18 01:39	1
1,4-Dichlorobenzene	1.2	U	1.2	0.39	ug/m3			04/17/18 01:39	1
Benzyl chloride	1.0	U	1.0	0.62	ug/m3			04/17/18 01:39	1
n-Butylbenzene	1.1	U	1.1	0.44	ug/m3			04/17/18 01:39	1
1,2-Dichlorobenzene	1.2	U	1.2	0.43	ug/m3			04/17/18 01:39	1
1,2,4-Trichlorobenzene	3.7	U	3.7	1.8	ug/m3			04/17/18 01:39	1
Hexachlorobutadiene	2.1	U	2.1	0.87	ug/m3			04/17/18 01:39	1
Naphthalene	2.6	U	2.6	1.6	ug/m3			04/17/18 01:39	1

Client Sample ID: SV004

Lab Sample ID: 200-43091-4

Date Collected: 04/13/18 11:25
Matrix: Air
Date Received: 04/14/18 12:05
Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**0.51**	**J**	1.0	0.40	ppb v/v			04/17/18 20:55	2
Chlorodifluoromethane	1.0	U	1.0	0.52	ppb v/v			04/17/18 20:55	2
1,2-Dichlorotetrafluoroethane	0.40	U	0.40	0.14	ppb v/v			04/17/18 20:55	2
Chloromethane	**0.66**	**J**	1.0	0.50	ppb v/v			04/17/18 20:55	2
n-Butane	**4.4**		1.0	0.62	ppb v/v			04/17/18 20:55	2
Vinyl chloride	0.070	U	0.070	0.082	ppb v/v			04/17/18 20:55	2
1,3-Butadiene	0.40	U	0.40	0.13	ppb v/v			04/17/18 20:55	2
Bromomethane	0.40	U	0.40	0.12	ppb v/v			04/17/18 20:55	2
Chloroethane	1.0	U	1.0	0.42	ppb v/v			04/17/18 20:55	2
Bromoethene(Vinyl Bromide)	0.40	U	0.40	0.11	ppb v/v			04/17/18 20:55	2
Trichlorofluoromethane	**0.23**	**J**	0.40	0.12	ppb v/v			04/17/18 20:55	2
1,1,2-Trichlorotrifluoroethane	0.40	U	0.40	0.062	ppb v/v			04/17/18 20:55	2
1,1-Dichloroethene	0.070	U	0.070	0.068	ppb v/v			04/17/18 20:55	2
Acetone	**28**		10	5.2	ppb v/v			04/17/18 20:55	2
Isopropyl alcohol	10	U	10	3.6	ppb v/v			04/17/18 20:55	2
Carbon disulfide	1.0	U	1.0	0.24	ppb v/v			04/17/18 20:55	2
3-Chloropropene	1.0	U	1.0	0.54	ppb v/v			04/17/18 20:55	2
Methylene Chloride	**4.1**		1.0	0.40	ppb v/v			04/17/18 20:55	2
tert-Butyl alcohol	**52**		10	3.0	ppb v/v			04/17/18 20:55	2
Methyl tert-butyl ether	0.40	U	0.40	0.12	ppb v/v			04/17/18 20:55	2
trans-1,2-Dichloroethene	0.40	U	0.40	0.15	ppb v/v			04/17/18 20:55	2

Client Sample ID: SV004

Date Collected: 04/13/18 11:25
Date Received: 04/14/18 12:05
Sample Container: Summa Canister 6L

Lab Sample ID: 200-43091-4

Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Hexane	**1.1**		0.40	0.32	ppb v/v			04/17/18 20:55	2
1,1-Dichloroethane	0.40	U	0.40	0.052	ppb v/v			04/17/18 20:55	2
Methyl Ethyl Ketone (2-Butanone)	**4.9**		1.0	0.40	ppb v/v			04/17/18 20:55	2
cis-1,2-Dichloroethene	0.070	U	0.070	0.074	ppb v/v			04/17/18 20:55	2
Chloroform	0.40	U	0.40	0.10	ppb v/v			04/17/18 20:55	2
Tetrahydrofuran	10	U	10	5.2	ppb v/v			04/17/18 20:55	2
1,1,1-Trichloroethane	0.40	U	0.40	0.14	ppb v/v			04/17/18 20:55	2
Cyclohexane	**5.6**		0.40	0.13	ppb v/v			04/17/18 20:55	2
Carbon tetrachloride	**0.070**		0.070	0.048	ppb v/v			04/17/18 20:55	2
2,2,4-Trimethylpentane	0.40	U	0.40	0.18	ppb v/v			04/17/18 20:55	2
Benzene	**0.48**		0.40	0.14	ppb v/v			04/17/18 20:55	2
1,2-Dichloroethane	0.40	U	0.40	0.13	ppb v/v			04/17/18 20:55	2
n-Heptane	**0.76**		0.40	0.28	ppb v/v			04/17/18 20:55	2
Trichloroethene	0.070	U	0.070	0.060	ppb v/v			04/17/18 20:55	2
Methyl methacrylate	1.0	U	1.0	0.44	ppb v/v			04/17/18 20:55	2
1,2-Dichloropropane	0.40	U	0.40	0.24	ppb v/v			04/17/18 20:55	2
1,4-Dioxane	10	U	10	2.6	ppb v/v			04/17/18 20:55	2
Bromodichloromethane	0.40	U	0.40	0.19	ppb v/v			04/17/18 20:55	2
cis-1,3-Dichloropropene	0.40	U	0.40	0.20	ppb v/v			04/17/18 20:55	2
4-Methyl-2-pentanone (Methyl isobutyl ketone)	1.0	U	1.0	0.72	ppb v/v			04/17/18 20:55	2
Toluene	**2.2**		0.40	0.14	ppb v/v			04/17/18 20:55	2
trans-1,3-Dichloropropene	0.40	U	0.40	0.24	ppb v/v			04/17/18 20:55	2
1,1,2-Trichloroethane	0.40	U	0.40	0.16	ppb v/v			04/17/18 20:55	2
Tetrachloroethene	**0.10**	**J**	0.40	0.058	ppb v/v			04/17/18 20:55	2
Methyl Butyl Ketone (2-Hexanone)	1.0	U	1.0	0.84	ppb v/v			04/17/18 20:55	2
Dibromochloromethane	0.40	U	0.40	0.14	ppb v/v			04/17/18 20:55	2
1,2-Dibromoethane	0.40	U	0.40	0.14	ppb v/v			04/17/18 20:55	2
Chlorobenzene	0.40	U	0.40	0.080	ppb v/v			04/17/18 20:55	2
Ethylbenzene	**1.1**		0.40	0.15	ppb v/v			04/17/18 20:55	2
m,p-Xylene	**3.9**		1.0	0.14	ppb v/v			04/17/18 20:55	2
o-Xylene	**1.4**		0.40	0.14	ppb v/v			04/17/18 20:55	2
Styrene	**3.2**		0.40	0.17	ppb v/v			04/17/18 20:55	2
Bromoform	0.40	U	0.40	0.17	ppb v/v			04/17/18 20:55	2
Cumene	0.40	U	0.40	0.12	ppb v/v			04/17/18 20:55	2
1,1,2,2-Tetrachloroethane	0.40	U	0.40	0.15	ppb v/v			04/17/18 20:55	2
n-Propylbenzene	0.40	U	0.40	0.14	ppb v/v			04/17/18 20:55	2
4-Ethyltoluene	0.40	U	0.40	0.14	ppb v/v			04/17/18 20:55	2
1,3,5-Trimethylbenzene	0.40	U	0.40	0.12	ppb v/v			04/17/18 20:55	2
2-Chlorotoluene	0.40	U	0.40	0.14	ppb v/v			04/17/18 20:55	2
tert-Butylbenzene	0.40	U	0.40	0.12	ppb v/v			04/17/18 20:55	2
1,2,4-Trimethylbenzene	0.40	U	0.40	0.16	ppb v/v			04/17/18 20:55	2
sec-Butylbenzene	0.40	U	0.40	0.13	ppb v/v			04/17/18 20:55	2
4-Isopropyltoluene	0.40	U	0.40	0.15	ppb v/v			04/17/18 20:55	2
1,3-Dichlorobenzene	0.40	U	0.40	0.16	ppb v/v			04/17/18 20:55	2
1,4-Dichlorobenzene	0.40	U	0.40	0.13	ppb v/v			04/17/18 20:55	2
Benzyl chloride	0.40	U	0.40	0.24	ppb v/v			04/17/18 20:55	2
n-Butylbenzene	0.40	U	0.40	0.16	ppb v/v			04/17/18 20:55	2
1,2-Dichlorobenzene	0.40	U	0.40	0.14	ppb v/v			04/17/18 20:55	2

Client Sample ID: SV004

Date Collected: 04/13/18 11:25
Date Received: 04/14/18 12:05
Sample Container: Summa Canister 6L

Lab Sample ID: 200-43091-4

Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	1.0	U	1.0	0.48	ppb v/v			04/17/18 20:55	2
Hexachlorobutadiene	0.40	U	0.40	0.16	ppb v/v			04/17/18 20:55	2
Naphthalene	1.0	U	1.0	0.62	ppb v/v			04/17/18 20:55	2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**2.5**	**J**	4.9	2.0	ug/m3			04/17/18 20:55	2
Chlorodifluoromethane	3.5	U	3.5	1.8	ug/m3			04/17/18 20:55	2
1,2-Dichlorotetrafluoroethane	2.8	U	2.8	0.95	ug/m3			04/17/18 20:55	2
Chloromethane	**1.4**	**J**	2.1	1.0	ug/m3			04/17/18 20:55	2
n-Butane	**11**		2.4	1.5	ug/m3			04/17/18 20:55	2
Vinyl chloride	0.18	U	0.18	0.21	ug/m3			04/17/18 20:55	2
1,3-Butadiene	0.88	U	0.88	0.29	ug/m3			04/17/18 20:55	2
Bromomethane	1.6	U	1.6	0.48	ug/m3			04/17/18 20:55	2
Chloroethane	2.6	U	2.6	1.1	ug/m3			04/17/18 20:55	2
Bromoethene(Vinyl Bromide)	1.7	U	1.7	0.49	ug/m3			04/17/18 20:55	2
Trichlorofluoromethane	**1.3**	**J**	2.2	0.70	ug/m3			04/17/18 20:55	2
1,1,2-Trichlorotrifluoroethane	3.1	U	3.1	0.48	ug/m3			04/17/18 20:55	2
1,1-Dichloroethene	0.28	U	0.28	0.27	ug/m3			04/17/18 20:55	2
Acetone	**65**		24	12	ug/m3			04/17/18 20:55	2
Isopropyl alcohol	25	U	25	8.8	ug/m3			04/17/18 20:55	2
Carbon disulfide	3.1	U	3.1	0.75	ug/m3			04/17/18 20:55	2
3-Chloropropene	3.1	U	3.1	1.7	ug/m3			04/17/18 20:55	2
Methylene Chloride	**14**		3.5	1.4	ug/m3			04/17/18 20:55	2
tert-Butyl alcohol	**160**		30	9.1	ug/m3			04/17/18 20:55	2
Methyl tert-butyl ether	1.4	U	1.4	0.44	ug/m3			04/17/18 20:55	2
trans-1,2-Dichloroethene	1.6	U	1.6	0.59	ug/m3			04/17/18 20:55	2
n-Hexane	**3.9**		1.4	1.1	ug/m3			04/17/18 20:55	2
1,1-Dichloroethane	1.6	U	1.6	0.21	ug/m3			04/17/18 20:55	2
Methyl Ethyl Ketone (2-Butanone)	**14**		2.9	1.2	ug/m3			04/17/18 20:55	2
cis-1,2-Dichloroethene	0.28	U	0.28	0.29	ug/m3			04/17/18 20:55	2
Chloroform	2.0	U	2.0	0.51	ug/m3			04/17/18 20:55	2
Tetrahydrofuran	29	U	29	15	ug/m3			04/17/18 20:55	2
1,1,1-Trichloroethane	2.2	U	2.2	0.74	ug/m3			04/17/18 20:55	2
Cyclohexane	**19**		1.4	0.43	ug/m3			04/17/18 20:55	2
Carbon tetrachloride	**0.44**		0.44	0.30	ug/m3			04/17/18 20:55	2
2,2,4-Trimethylpentane	1.9	U	1.9	0.82	ug/m3			04/17/18 20:55	2
Benzene	**1.5**		1.3	0.45	ug/m3			04/17/18 20:55	2
1,2-Dichloroethane	1.6	U	1.6	0.51	ug/m3			04/17/18 20:55	2
n-Heptane	**3.1**		1.6	1.1	ug/m3			04/17/18 20:55	2
Trichloroethene	0.38	U	0.38	0.32	ug/m3			04/17/18 20:55	2
Methyl methacrylate	4.1	U	4.1	1.8	ug/m3			04/17/18 20:55	2
1,2-Dichloropropane	1.8	U	1.8	1.1	ug/m3			04/17/18 20:55	2
1,4-Dioxane	36	U	36	9.4	ug/m3			04/17/18 20:55	2
Bromodichloromethane	2.7	U	2.7	1.3	ug/m3			04/17/18 20:55	2
cis-1,3-Dichloropropene	1.8	U	1.8	0.89	ug/m3			04/17/18 20:55	2
4-Methyl-2-pentanone (Methyl isobutyl ketone)	4.1	U	4.1	2.9	ug/m3			04/17/18 20:55	2
Toluene	**8.5**		1.5	0.52	ug/m3			04/17/18 20:55	2
trans-1,3-Dichloropropene	1.8	U	1.8	1.1	ug/m3			04/17/18 20:55	2

Client Sample ID: SV004

Lab Sample ID: 200-43091-4

Date Collected: 04/13/18 11:25
Matrix: Air
Date Received: 04/14/18 12:05
Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	2.2	U	2.2	0.85	ug/m3			04/17/18 20:55	2
Tetrachloroethene	**0.69**	**J**	2.7	0.39	ug/m3			04/17/18 20:55	2
Methyl Butyl Ketone (2-Hexanone)	4.1	U	4.1	3.4	ug/m3			04/17/18 20:55	2
Dibromochloromethane	3.4	U	3.4	1.2	ug/m3			04/17/18 20:55	2
1,2-Dibromoethane	3.1	U	3.1	1.1	ug/m3			04/17/18 20:55	2
Chlorobenzene	1.8	U	1.8	0.37	ug/m3			04/17/18 20:55	2
Ethylbenzene	**4.7**		1.7	0.63	ug/m3			04/17/18 20:55	2
m,p-Xylene	**17**		4.3	0.61	ug/m3			04/17/18 20:55	2
o-Xylene	**6.2**		1.7	0.62	ug/m3			04/17/18 20:55	2
Styrene	**14**		1.7	0.73	ug/m3			04/17/18 20:55	2
Bromoform	4.1	U	4.1	1.8	ug/m3			04/17/18 20:55	2
Cumene	2.0	U	2.0	0.58	ug/m3			04/17/18 20:55	2
1,1,2,2-Tetrachloroethane	2.7	U	2.7	1.0	ug/m3			04/17/18 20:55	2
n-Propylbenzene	2.0	U	2.0	0.68	ug/m3			04/17/18 20:55	2
4-Ethyltoluene	2.0	U	2.0	0.68	ug/m3			04/17/18 20:55	2
1,3,5-Trimethylbenzene	2.0	U	2.0	0.57	ug/m3			04/17/18 20:55	2
2-Chlorotoluene	2.1	U	2.1	0.74	ug/m3			04/17/18 20:55	2
tert-Butylbenzene	2.2	U	2.2	0.64	ug/m3			04/17/18 20:55	2
1,2,4-Trimethylbenzene	2.0	U	2.0	0.79	ug/m3			04/17/18 20:55	2
sec-Butylbenzene	2.2	U	2.2	0.72	ug/m3			04/17/18 20:55	2
4-Isopropyltoluene	2.2	U	2.2	0.82	ug/m3			04/17/18 20:55	2
1,3-Dichlorobenzene	2.4	U	2.4	0.99	ug/m3			04/17/18 20:55	2
1,4-Dichlorobenzene	2.4	U	2.4	0.78	ug/m3			04/17/18 20:55	2
Benzyl chloride	2.1	U	2.1	1.2	ug/m3			04/17/18 20:55	2
n-Butylbenzene	2.2	U	2.2	0.88	ug/m3			04/17/18 20:55	2
1,2-Dichlorobenzene	2.4	U	2.4	0.85	ug/m3			04/17/18 20:55	2
1,2,4-Trichlorobenzene	7.4	U	7.4	3.6	ug/m3			04/17/18 20:55	2
Hexachlorobutadiene	4.3	U	4.3	1.7	ug/m3			04/17/18 20:55	2
Naphthalene	5.2	U	5.2	3.3	ug/m3			04/17/18 20:55	2

Client Sample ID: AMBIENT

Lab Sample ID: 200-43091-5

Date Collected: 04/13/18 12:05
Matrix: Air
Date Received: 04/14/18 12:05
Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**0.45**	**J**	0.50	0.20	ppb v/v			04/18/18 17:02	1
Chlorodifluoromethane	**0.27**	**J**	0.50	0.26	ppb v/v			04/18/18 17:02	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.068	ppb v/v			04/18/18 17:02	1
Chloromethane	**0.69**		0.50	0.25	ppb v/v			04/18/18 17:02	1
n-Butane	**0.66**		0.50	0.31	ppb v/v			04/18/18 17:02	1
Vinyl chloride	0.035	U	0.035	0.041	ppb v/v			04/18/18 17:02	1
1,3-Butadiene	0.20	U	0.20	0.065	ppb v/v			04/18/18 17:02	1
Bromomethane	0.20	U	0.20	0.062	ppb v/v			04/18/18 17:02	1
Chloroethane	0.50	U	0.50	0.21	ppb v/v			04/18/18 17:02	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.056	ppb v/v			04/18/18 17:02	1
Trichlorofluoromethane	**0.24**		0.20	0.062	ppb v/v			04/18/18 17:02	1
1,1,2-Trichlorotrifluoroethane	**0.071**	**J**	0.20	0.031	ppb v/v			04/18/18 17:02	1

Client Sample ID: AMBIENT

Date Collected: 04/13/18 12:05
Date Received: 04/14/18 12:05
Sample Container: Summa Canister 6L

Lab Sample ID: 200-43091-5

Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.035	U	0.035	0.034	ppb v/v			04/18/18 17:02	1
Acetone	**6.6**		5.0	2.6	ppb v/v			04/18/18 17:02	1
Isopropyl alcohol	5.0	U	5.0	1.8	ppb v/v			04/18/18 17:02	1
Carbon disulfide	0.50	U	0.50	0.12	ppb v/v			04/18/18 17:02	1
3-Chloropropene	0.50	U	0.50	0.27	ppb v/v			04/18/18 17:02	1
Methylene Chloride	**1.1**		0.50	0.20	ppb v/v			04/18/18 17:02	1
tert-Butyl alcohol	5.0	U	5.0	1.5	ppb v/v			04/18/18 17:02	1
Methyl tert-butyl ether	0.20	U	0.20	0.061	ppb v/v			04/18/18 17:02	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.074	ppb v/v			04/18/18 17:02	1
n-Hexane	**0.18**	**J**	0.20	0.16	ppb v/v			04/18/18 17:02	1
1,1-Dichloroethane	0.20	U	0.20	0.026	ppb v/v			04/18/18 17:02	1
Methyl Ethyl Ketone (2-Butanone)	**1.1**		0.50	0.20	ppb v/v			04/18/18 17:02	1
cis-1,2-Dichloroethene	0.035	U	0.035	0.037	ppb v/v			04/18/18 17:02	1
Chloroform	0.20	U	0.20	0.052	ppb v/v			04/18/18 17:02	1
Tetrahydrofuran	5.0	U	5.0	2.6	ppb v/v			04/18/18 17:02	1
1,1,1-Trichloroethane	0.20	U	0.20	0.068	ppb v/v			04/18/18 17:02	1
Cyclohexane	0.20	U	0.20	0.063	ppb v/v			04/18/18 17:02	1
Carbon tetrachloride	**0.059**		0.035	0.024	ppb v/v			04/18/18 17:02	1
2,2,4-Trimethylpentane	0.20	U	0.20	0.088	ppb v/v			04/18/18 17:02	1
Benzene	**0.16**	**J**	0.20	0.071	ppb v/v			04/18/18 17:02	1
1,2-Dichloroethane	0.20	U	0.20	0.063	ppb v/v			04/18/18 17:02	1
n-Heptane	0.20	U	0.20	0.14	ppb v/v			04/18/18 17:02	1
Trichloroethene	0.035	U	0.035	0.030	ppb v/v			04/18/18 17:02	1
Methyl methacrylate	0.50	U	0.50	0.22	ppb v/v			04/18/18 17:02	1
1,2-Dichloropropane	0.20	U	0.20	0.12	ppb v/v			04/18/18 17:02	1
1,4-Dioxane	5.0	U	5.0	1.3	ppb v/v			04/18/18 17:02	1
Bromodichloromethane	0.20	U	0.20	0.094	ppb v/v			04/18/18 17:02	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.098	ppb v/v			04/18/18 17:02	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	0.50	U	0.50	0.36	ppb v/v			04/18/18 17:02	1
Toluene	**0.26**		0.20	0.069	ppb v/v			04/18/18 17:02	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.12	ppb v/v			04/18/18 17:02	1
1,1,2-Trichloroethane	0.20	U	0.20	0.078	ppb v/v			04/18/18 17:02	1
Tetrachloroethene	0.20	U	0.20	0.029	ppb v/v			04/18/18 17:02	1
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.42	ppb v/v			04/18/18 17:02	1
Dibromochloromethane	0.20	U	0.20	0.071	ppb v/v			04/18/18 17:02	1
1,2-Dibromoethane	0.20	U	0.20	0.069	ppb v/v			04/18/18 17:02	1
Chlorobenzene	0.20	U	0.20	0.040	ppb v/v			04/18/18 17:02	1
Ethylbenzene	**0.073**	**J**	0.20	0.073	ppb v/v			04/18/18 17:02	1
m,p-Xylene	**0.16**	**J**	0.50	0.070	ppb v/v			04/18/18 17:02	1
o-Xylene	**0.072**	**J**	0.20	0.071	ppb v/v			04/18/18 17:02	1
Styrene	0.20	U	0.20	0.086	ppb v/v			04/18/18 17:02	1
Bromoform	0.20	U	0.20	0.086	ppb v/v			04/18/18 17:02	1
Cumene	0.20	U	0.20	0.059	ppb v/v			04/18/18 17:02	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.076	ppb v/v			04/18/18 17:02	1
n-Propylbenzene	0.20	U	0.20	0.069	ppb v/v			04/18/18 17:02	1
4-Ethyltoluene	0.20	U	0.20	0.069	ppb v/v			04/18/18 17:02	1
1,3,5-Trimethylbenzene	0.20	U	0.20	0.058	ppb v/v			04/18/18 17:02	1
2-Chlorotoluene	0.20	U	0.20	0.071	ppb v/v			04/18/18 17:02	1

Client Sample ID: AMBIENT

Date Collected: 04/13/18 12:05
Date Received: 04/14/18 12:05
Sample Container: Summa Canister 6L

Lab Sample ID: 200-43091-5

Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.20	U	0.20	0.058	ppb v/v			04/18/18 17:02	1
1,2,4-Trimethylbenzene	0.20	U	0.20	0.080	ppb v/v			04/18/18 17:02	1
sec-Butylbenzene	0.20	U	0.20	0.066	ppb v/v			04/18/18 17:02	1
4-Isopropyltoluene	0.20	U	0.20	0.075	ppb v/v			04/18/18 17:02	1
1,3-Dichlorobenzene	0.20	U	0.20	0.082	ppb v/v			04/18/18 17:02	1
1,4-Dichlorobenzene	0.20	U	0.20	0.065	ppb v/v			04/18/18 17:02	1
Benzyl chloride	0.20	U	0.20	0.12	ppb v/v			04/18/18 17:02	1
n-Butylbenzene	0.20	U	0.20	0.080	ppb v/v			04/18/18 17:02	1
1,2-Dichlorobenzene	0.20	U	0.20	0.071	ppb v/v			04/18/18 17:02	1
1,2,4-Trichlorobenzene	0.50	U	0.50	0.24	ppb v/v			04/18/18 17:02	1
Hexachlorobutadiene	0.20	U	0.20	0.082	ppb v/v			04/18/18 17:02	1
Naphthalene	0.50	U	0.50	0.31	ppb v/v			04/18/18 17:02	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**2.2**	**J**	2.5	0.99	ug/m3			04/18/18 17:02	1
Chlorodifluoromethane	**0.96**	**J**	1.8	0.92	ug/m3			04/18/18 17:02	1
1,2-Dichlorotetrafluoroethane	1.4	U	1.4	0.48	ug/m3			04/18/18 17:02	1
Chloromethane	**1.4**		1.0	0.52	ug/m3			04/18/18 17:02	1
n-Butane	**1.6**		1.2	0.74	ug/m3			04/18/18 17:02	1
Vinyl chloride	0.089	U	0.089	0.10	ug/m3			04/18/18 17:02	1
1,3-Butadiene	0.44	U	0.44	0.14	ug/m3			04/18/18 17:02	1
Bromomethane	0.78	U	0.78	0.24	ug/m3			04/18/18 17:02	1
Chloroethane	1.3	U	1.3	0.55	ug/m3			04/18/18 17:02	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.24	ug/m3			04/18/18 17:02	1
Trichlorofluoromethane	**1.4**		1.1	0.35	ug/m3			04/18/18 17:02	1
1,1,2-Trichlorotrifluoroethane	**0.55**	**J**	1.5	0.24	ug/m3			04/18/18 17:02	1
1,1-Dichloroethene	0.14	U	0.14	0.13	ug/m3			04/18/18 17:02	1
Acetone	**16**		12	6.2	ug/m3			04/18/18 17:02	1
Isopropyl alcohol	12	U	12	4.4	ug/m3			04/18/18 17:02	1
Carbon disulfide	1.6	U	1.6	0.37	ug/m3			04/18/18 17:02	1
3-Chloropropene	1.6	U	1.6	0.85	ug/m3			04/18/18 17:02	1
Methylene Chloride	**3.9**		1.7	0.69	ug/m3			04/18/18 17:02	1
tert-Butyl alcohol	15	U	15	4.5	ug/m3			04/18/18 17:02	1
Methyl tert-butyl ether	0.72	U	0.72	0.22	ug/m3			04/18/18 17:02	1
trans-1,2-Dichloroethene	0.79	U	0.79	0.29	ug/m3			04/18/18 17:02	1
n-Hexane	**0.63**	**J**	0.70	0.56	ug/m3			04/18/18 17:02	1
1,1-Dichloroethane	0.81	U	0.81	0.11	ug/m3			04/18/18 17:02	1
Methyl Ethyl Ketone (2-Butanone)	**3.4**		1.5	0.59	ug/m3			04/18/18 17:02	1
cis-1,2-Dichloroethene	0.14	U	0.14	0.15	ug/m3			04/18/18 17:02	1
Chloroform	0.98	U	0.98	0.25	ug/m3			04/18/18 17:02	1
Tetrahydrofuran	15	U	15	7.7	ug/m3			04/18/18 17:02	1
1,1,1-Trichloroethane	1.1	U	1.1	0.37	ug/m3			04/18/18 17:02	1
Cyclohexane	0.69	U	0.69	0.22	ug/m3			04/18/18 17:02	1
Carbon tetrachloride	**0.37**		0.22	0.15	ug/m3			04/18/18 17:02	1
2,2,4-Trimethylpentane	0.93	U	0.93	0.41	ug/m3			04/18/18 17:02	1
Benzene	**0.52**	**J**	0.64	0.23	ug/m3			04/18/18 17:02	1
1,2-Dichloroethane	0.81	U	0.81	0.25	ug/m3			04/18/18 17:02	1
n-Heptane	0.82	U	0.82	0.57	ug/m3			04/18/18 17:02	1
Trichloroethene	0.19	U	0.19	0.16	ug/m3			04/18/18 17:02	1

Client Sample ID: AMBIENT

Date Collected: 04/13/18 12:05
Date Received: 04/14/18 12:05
Sample Container: Summa Canister 6L

Lab Sample ID: 200-43091-5

Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl methacrylate	2.0	U	2.0	0.90	ug/m3			04/18/18 17:02	1
1,2-Dichloropropane	0.92	U	0.92	0.55	ug/m3			04/18/18 17:02	1
1,4-Dioxane	18	U	18	4.7	ug/m3			04/18/18 17:02	1
Bromodichloromethane	1.3	U	1.3	0.63	ug/m3			04/18/18 17:02	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.44	ug/m3			04/18/18 17:02	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	2.0	U	2.0	1.5	ug/m3			04/18/18 17:02	1
Toluene	**1.0**		0.75	0.26	ug/m3			04/18/18 17:02	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.54	ug/m3			04/18/18 17:02	1
1,1,2-Trichloroethane	1.1	U	1.1	0.43	ug/m3			04/18/18 17:02	1
Tetrachloroethene	1.4	U	1.4	0.20	ug/m3			04/18/18 17:02	1
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0	1.7	ug/m3			04/18/18 17:02	1
Dibromochloromethane	1.7	U	1.7	0.60	ug/m3			04/18/18 17:02	1
1,2-Dibromoethane	1.5	U	1.5	0.53	ug/m3			04/18/18 17:02	1
Chlorobenzene	0.92	U	0.92	0.18	ug/m3			04/18/18 17:02	1
Ethylbenzene	**0.32**	**J**	0.87	0.32	ug/m3			04/18/18 17:02	1
m,p-Xylene	**0.70**	**J**	2.2	0.30	ug/m3			04/18/18 17:02	1
o-Xylene	**0.31**	**J**	0.87	0.31	ug/m3			04/18/18 17:02	1
Styrene	0.85	U	0.85	0.37	ug/m3			04/18/18 17:02	1
Bromoform	2.1	U	2.1	0.89	ug/m3			04/18/18 17:02	1
Cumene	0.98	U	0.98	0.29	ug/m3			04/18/18 17:02	1
1,1,2,2-Tetrachloroethane	1.4	U	1.4	0.52	ug/m3			04/18/18 17:02	1
n-Propylbenzene	0.98	U	0.98	0.34	ug/m3			04/18/18 17:02	1
4-Ethyltoluene	0.98	U	0.98	0.34	ug/m3			04/18/18 17:02	1
1,3,5-Trimethylbenzene	0.98	U	0.98	0.29	ug/m3			04/18/18 17:02	1
2-Chlorotoluene	1.0	U	1.0	0.37	ug/m3			04/18/18 17:02	1
tert-Butylbenzene	1.1	U	1.1	0.32	ug/m3			04/18/18 17:02	1
1,2,4-Trimethylbenzene	0.98	U	0.98	0.39	ug/m3			04/18/18 17:02	1
sec-Butylbenzene	1.1	U	1.1	0.36	ug/m3			04/18/18 17:02	1
4-Isopropyltoluene	1.1	U	1.1	0.41	ug/m3			04/18/18 17:02	1
1,3-Dichlorobenzene	1.2	U	1.2	0.49	ug/m3			04/18/18 17:02	1
1,4-Dichlorobenzene	1.2	U	1.2	0.39	ug/m3			04/18/18 17:02	1
Benzyl chloride	1.0	U	1.0	0.62	ug/m3			04/18/18 17:02	1
n-Butylbenzene	1.1	U	1.1	0.44	ug/m3			04/18/18 17:02	1
1,2-Dichlorobenzene	1.2	U	1.2	0.43	ug/m3			04/18/18 17:02	1
1,2,4-Trichlorobenzene	3.7	U	3.7	1.8	ug/m3			04/18/18 17:02	1
Hexachlorobutadiene	2.1	U	2.1	0.87	ug/m3			04/18/18 17:02	1
Naphthalene	2.6	U	2.6	1.6	ug/m3			04/18/18 17:02	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Lab Sample ID: MB 200-128485/4
Matrix: Air
Analysis Batch: 128485

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	0.50	U	0.50	0.20	ppb v/v			04/16/18 12:04	1
Chlorodifluoromethane	0.50	U	0.50	0.26	ppb v/v			04/16/18 12:04	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.068	ppb v/v			04/16/18 12:04	1
Chloromethane	0.50	U	0.50	0.25	ppb v/v			04/16/18 12:04	1
n-Butane	0.50	U	0.50	0.31	ppb v/v			04/16/18 12:04	1
Vinyl chloride	0.035	U	0.035	0.041	ppb v/v			04/16/18 12:04	1
1,3-Butadiene	0.20	U	0.20	0.065	ppb v/v			04/16/18 12:04	1
Bromomethane	0.20	U	0.20	0.062	ppb v/v			04/16/18 12:04	1
Chloroethane	0.50	U	0.50	0.21	ppb v/v			04/16/18 12:04	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.056	ppb v/v			04/16/18 12:04	1
Trichlorofluoromethane	0.20	U	0.20	0.062	ppb v/v			04/16/18 12:04	1
1,1,2-Trichlorotrifluoroethane	0.20	U	0.20	0.031	ppb v/v			04/16/18 12:04	1
1,1-Dichloroethene	0.035	U	0.035	0.034	ppb v/v			04/16/18 12:04	1
Acetone	5.0	U	5.0	2.6	ppb v/v			04/16/18 12:04	1
Isopropyl alcohol	5.0	U	5.0	1.8	ppb v/v			04/16/18 12:04	1
Carbon disulfide	0.50	U	0.50	0.12	ppb v/v			04/16/18 12:04	1
3-Chloropropene	0.50	U	0.50	0.27	ppb v/v			04/16/18 12:04	1
Methylene Chloride	0.50	U	0.50	0.20	ppb v/v			04/16/18 12:04	1
tert-Butyl alcohol	5.0	U	5.0	1.5	ppb v/v			04/16/18 12:04	1
Methyl tert-butyl ether	0.20	U	0.20	0.061	ppb v/v			04/16/18 12:04	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.074	ppb v/v			04/16/18 12:04	1
n-Hexane	0.20	U	0.20	0.16	ppb v/v			04/16/18 12:04	1
1,1-Dichloroethane	0.20	U	0.20	0.026	ppb v/v			04/16/18 12:04	1
Methyl Ethyl Ketone (2-Butanone)	0.50	U	0.50	0.20	ppb v/v			04/16/18 12:04	1
cis-1,2-Dichloroethene	0.035	U	0.035	0.037	ppb v/v			04/16/18 12:04	1
Chloroform	0.20	U	0.20	0.052	ppb v/v			04/16/18 12:04	1
Tetrahydrofuran	5.0	U	5.0	2.6	ppb v/v			04/16/18 12:04	1
1,1,1-Trichloroethane	0.20	U	0.20	0.068	ppb v/v			04/16/18 12:04	1
Cyclohexane	0.20	U	0.20	0.063	ppb v/v			04/16/18 12:04	1
Carbon tetrachloride	0.035	U	0.035	0.024	ppb v/v			04/16/18 12:04	1
2,2,4-Trimethylpentane	0.20	U	0.20	0.088	ppb v/v			04/16/18 12:04	1
Benzene	0.20	U	0.20	0.071	ppb v/v			04/16/18 12:04	1
1,2-Dichloroethane	0.20	U	0.20	0.063	ppb v/v			04/16/18 12:04	1
n-Heptane	0.20	U	0.20	0.14	ppb v/v			04/16/18 12:04	1
Trichloroethene	0.035	U	0.035	0.030	ppb v/v			04/16/18 12:04	1
Methyl methacrylate	0.50	U	0.50	0.22	ppb v/v			04/16/18 12:04	1
1,2-Dichloropropane	0.20	U	0.20	0.12	ppb v/v			04/16/18 12:04	1
1,4-Dioxane	5.0	U	5.0	1.3	ppb v/v			04/16/18 12:04	1
Bromodichloromethane	0.20	U	0.20	0.094	ppb v/v			04/16/18 12:04	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.098	ppb v/v			04/16/18 12:04	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	0.50	U	0.50	0.36	ppb v/v			04/16/18 12:04	1
Toluene	0.20	U	0.20	0.069	ppb v/v			04/16/18 12:04	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.12	ppb v/v			04/16/18 12:04	1
1,1,2-Trichloroethane	0.20	U	0.20	0.078	ppb v/v			04/16/18 12:04	1
Tetrachloroethene	0.20	U	0.20	0.029	ppb v/v			04/16/18 12:04	1
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.42	ppb v/v			04/16/18 12:04	1
Dibromochloromethane	0.20	U	0.20	0.071	ppb v/v			04/16/18 12:04	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-128485/4
Matrix: Air
Analysis Batch: 128485

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	0.20	U	0.20	0.069	ppb v/v			04/16/18 12:04	1
Chlorobenzene	0.20	U	0.20	0.040	ppb v/v			04/16/18 12:04	1
Ethylbenzene	0.20	U	0.20	0.073	ppb v/v			04/16/18 12:04	1
m,p-Xylene	0.50	U	0.50	0.070	ppb v/v			04/16/18 12:04	1
o-Xylene	0.20	U	0.20	0.071	ppb v/v			04/16/18 12:04	1
Styrene	0.20	U	0.20	0.086	ppb v/v			04/16/18 12:04	1
Bromoform	0.20	U	0.20	0.086	ppb v/v			04/16/18 12:04	1
Cumene	0.20	U	0.20	0.059	ppb v/v			04/16/18 12:04	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.076	ppb v/v			04/16/18 12:04	1
n-Propylbenzene	0.20	U	0.20	0.069	ppb v/v			04/16/18 12:04	1
4-Ethyltoluene	0.20	U	0.20	0.069	ppb v/v			04/16/18 12:04	1
1,3,5-Trimethylbenzene	0.20	U	0.20	0.058	ppb v/v			04/16/18 12:04	1
2-Chlorotoluene	0.20	U	0.20	0.071	ppb v/v			04/16/18 12:04	1
tert-Butylbenzene	0.20	U	0.20	0.058	ppb v/v			04/16/18 12:04	1
1,2,4-Trimethylbenzene	0.20	U	0.20	0.080	ppb v/v			04/16/18 12:04	1
sec-Butylbenzene	0.20	U	0.20	0.066	ppb v/v			04/16/18 12:04	1
4-Isopropyltoluene	0.20	U	0.20	0.075	ppb v/v			04/16/18 12:04	1
1,3-Dichlorobenzene	0.20	U	0.20	0.082	ppb v/v			04/16/18 12:04	1
1,4-Dichlorobenzene	0.20	U	0.20	0.065	ppb v/v			04/16/18 12:04	1
Benzyl chloride	0.20	U	0.20	0.12	ppb v/v			04/16/18 12:04	1
n-Butylbenzene	0.20	U	0.20	0.080	ppb v/v			04/16/18 12:04	1
1,2-Dichlorobenzene	0.20	U	0.20	0.071	ppb v/v			04/16/18 12:04	1
1,2,4-Trichlorobenzene	0.50	U	0.50	0.24	ppb v/v			04/16/18 12:04	1
Hexachlorobutadiene	0.20	U	0.20	0.082	ppb v/v			04/16/18 12:04	1
Naphthalene	0.50	U	0.50	0.31	ppb v/v			04/16/18 12:04	1

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	2.5	U	2.5	0.99	ug/m3			04/16/18 12:04	1
Chlorodifluoromethane	1.8	U	1.8	0.92	ug/m3			04/16/18 12:04	1
1,2-Dichlorotetrafluoroethane	1.4	U	1.4	0.48	ug/m3			04/16/18 12:04	1
Chloromethane	1.0	U	1.0	0.52	ug/m3			04/16/18 12:04	1
n-Butane	1.2	U	1.2	0.74	ug/m3			04/16/18 12:04	1
Vinyl chloride	0.089	U	0.089	0.10	ug/m3			04/16/18 12:04	1
1,3-Butadiene	0.44	U	0.44	0.14	ug/m3			04/16/18 12:04	1
Bromomethane	0.78	U	0.78	0.24	ug/m3			04/16/18 12:04	1
Chloroethane	1.3	U	1.3	0.55	ug/m3			04/16/18 12:04	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.24	ug/m3			04/16/18 12:04	1
Trichlorofluoromethane	1.1	U	1.1	0.35	ug/m3			04/16/18 12:04	1
1,1,2-Trichlorotrifluoroethane	1.5	U	1.5	0.24	ug/m3			04/16/18 12:04	1
1,1-Dichloroethene	0.14	U	0.14	0.13	ug/m3			04/16/18 12:04	1
Acetone	12	U	12	6.2	ug/m3			04/16/18 12:04	1
Isopropyl alcohol	12	U	12	4.4	ug/m3			04/16/18 12:04	1
Carbon disulfide	1.6	U	1.6	0.37	ug/m3			04/16/18 12:04	1
3-Chloropropene	1.6	U	1.6	0.85	ug/m3			04/16/18 12:04	1
Methylene Chloride	1.7	U	1.7	0.69	ug/m3			04/16/18 12:04	1
tert-Butyl alcohol	15	U	15	4.5	ug/m3			04/16/18 12:04	1
Methyl tert-butyl ether	0.72	U	0.72	0.22	ug/m3			04/16/18 12:04	1
trans-1,2-Dichloroethene	0.79	U	0.79	0.29	ug/m3			04/16/18 12:04	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-128485/4
Matrix: Air
Analysis Batch: 128485

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Hexane	0.70	U	0.70	0.56	ug/m3			04/16/18 12:04	1
1,1-Dichloroethane	0.81	U	0.81	0.11	ug/m3			04/16/18 12:04	1
Methyl Ethyl Ketone (2-Butanone)	1.5	U	1.5	0.59	ug/m3			04/16/18 12:04	1
cis-1,2-Dichloroethene	0.14	U	0.14	0.15	ug/m3			04/16/18 12:04	1
Chloroform	0.98	U	0.98	0.25	ug/m3			04/16/18 12:04	1
Tetrahydrofuran	15	U	15	7.7	ug/m3			04/16/18 12:04	1
1,1,1-Trichloroethane	1.1	U	1.1	0.37	ug/m3			04/16/18 12:04	1
Cyclohexane	0.69	U	0.69	0.22	ug/m3			04/16/18 12:04	1
Carbon tetrachloride	0.22	U	0.22	0.15	ug/m3			04/16/18 12:04	1
2,2,4-Trimethylpentane	0.93	U	0.93	0.41	ug/m3			04/16/18 12:04	1
Benzene	0.64	U	0.64	0.23	ug/m3			04/16/18 12:04	1
1,2-Dichloroethane	0.81	U	0.81	0.25	ug/m3			04/16/18 12:04	1
n-Heptane	0.82	U	0.82	0.57	ug/m3			04/16/18 12:04	1
Trichloroethene	0.19	U	0.19	0.16	ug/m3			04/16/18 12:04	1
Methyl methacrylate	2.0	U	2.0	0.90	ug/m3			04/16/18 12:04	1
1,2-Dichloropropane	0.92	U	0.92	0.55	ug/m3			04/16/18 12:04	1
1,4-Dioxane	18	U	18	4.7	ug/m3			04/16/18 12:04	1
Bromodichloromethane	1.3	U	1.3	0.63	ug/m3			04/16/18 12:04	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.44	ug/m3			04/16/18 12:04	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	2.0	U	2.0	1.5	ug/m3			04/16/18 12:04	1
Toluene	0.75	U	0.75	0.26	ug/m3			04/16/18 12:04	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.54	ug/m3			04/16/18 12:04	1
1,1,2-Trichloroethane	1.1	U	1.1	0.43	ug/m3			04/16/18 12:04	1
Tetrachloroethene	1.4	U	1.4	0.20	ug/m3			04/16/18 12:04	1
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0	1.7	ug/m3			04/16/18 12:04	1
Dibromochloromethane	1.7	U	1.7	0.60	ug/m3			04/16/18 12:04	1
1,2-Dibromoethane	1.5	U	1.5	0.53	ug/m3			04/16/18 12:04	1
Chlorobenzene	0.92	U	0.92	0.18	ug/m3			04/16/18 12:04	1
Ethylbenzene	0.87	U	0.87	0.32	ug/m3			04/16/18 12:04	1
m,p-Xylene	2.2	U	2.2	0.30	ug/m3			04/16/18 12:04	1
o-Xylene	0.87	U	0.87	0.31	ug/m3			04/16/18 12:04	1
Styrene	0.85	U	0.85	0.37	ug/m3			04/16/18 12:04	1
Bromoform	2.1	U	2.1	0.89	ug/m3			04/16/18 12:04	1
Cumene	0.98	U	0.98	0.29	ug/m3			04/16/18 12:04	1
1,1,2,2-Tetrachloroethane	1.4	U	1.4	0.52	ug/m3			04/16/18 12:04	1
n-Propylbenzene	0.98	U	0.98	0.34	ug/m3			04/16/18 12:04	1
4-Ethyltoluene	0.98	U	0.98	0.34	ug/m3			04/16/18 12:04	1
1,3,5-Trimethylbenzene	0.98	U	0.98	0.29	ug/m3			04/16/18 12:04	1
2-Chlorotoluene	1.0	U	1.0	0.37	ug/m3			04/16/18 12:04	1
tert-Butylbenzene	1.1	U	1.1	0.32	ug/m3			04/16/18 12:04	1
1,2,4-Trimethylbenzene	0.98	U	0.98	0.39	ug/m3			04/16/18 12:04	1
sec-Butylbenzene	1.1	U	1.1	0.36	ug/m3			04/16/18 12:04	1
4-Isopropyltoluene	1.1	U	1.1	0.41	ug/m3			04/16/18 12:04	1
1,3-Dichlorobenzene	1.2	U	1.2	0.49	ug/m3			04/16/18 12:04	1
1,4-Dichlorobenzene	1.2	U	1.2	0.39	ug/m3			04/16/18 12:04	1
Benzyl chloride	1.0	U	1.0	0.62	ug/m3			04/16/18 12:04	1
n-Butylbenzene	1.1	U	1.1	0.44	ug/m3			04/16/18 12:04	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-128485/4
Matrix: Air
Analysis Batch: 128485

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	1.2	U	1.2	0.43	ug/m3			04/16/18 12:04	1
1,2,4-Trichlorobenzene	3.7	U	3.7	1.8	ug/m3			04/16/18 12:04	1
Hexachlorobutadiene	2.1	U	2.1	0.87	ug/m3			04/16/18 12:04	1
Naphthalene	2.6	U	2.6	1.6	ug/m3			04/16/18 12:04	1

Lab Sample ID: LCS 200-128485/3
Matrix: Air
Analysis Batch: 128485

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorodifluoromethane	10.0	9.13		ppb v/v		91	68 - 128
Chlorodifluoromethane	10.0	9.51		ppb v/v		95	64 - 128
1,2-Dichlorotetrafluoroethane	10.0	9.87		ppb v/v		99	78 - 138
Chloromethane	10.0	9.24		ppb v/v		92	57 - 126
n-Butane	10.0	9.53		ppb v/v		95	56 - 130
Vinyl chloride	10.0	8.27		ppb v/v		83	62 - 125
1,3-Butadiene	10.0	8.38		ppb v/v		84	59 - 125
Bromomethane	10.0	8.85		ppb v/v		89	68 - 128
Chloroethane	10.0	9.24		ppb v/v		92	65 - 125
Bromoethene(Vinyl Bromide)	10.0	8.69		ppb v/v		87	67 - 127
Trichlorofluoromethane	10.0	8.61		ppb v/v		86	67 - 127
1,1,2-Trichlorotrifluoroethane	10.0	8.80		ppb v/v		88	68 - 128
1,1-Dichloroethene	10.0	8.15		ppb v/v		82	67 - 127
Acetone	10.0	10.6		ppb v/v		106	64 - 136
Isopropyl alcohol	10.0	9.20		ppb v/v		92	55 - 124
Carbon disulfide	10.0	10.6		ppb v/v		106	81 - 141
3-Chloropropene	10.0	9.77		ppb v/v		98	53 - 133
Methylene Chloride	10.0	9.39		ppb v/v		94	62 - 122
tert-Butyl alcohol	10.0	9.42		ppb v/v		94	64 - 124
Methyl tert-butyl ether	10.0	9.06		ppb v/v		91	67 - 127
trans-1,2-Dichloroethene	10.0	9.60		ppb v/v		96	72 - 132
n-Hexane	10.0	8.98		ppb v/v		90	71 - 131
1,1-Dichloroethane	10.0	8.64		ppb v/v		86	66 - 126
Methyl Ethyl Ketone (2-Butanone)	10.0	9.50		ppb v/v		95	62 - 122
cis-1,2-Dichloroethene	10.0	8.16		ppb v/v		82	67 - 127
Chloroform	10.0	8.84		ppb v/v		88	69 - 129
Tetrahydrofuran	10.0	10.3		ppb v/v		103	61 - 136
1,1,1-Trichloroethane	10.0	8.75		ppb v/v		88	70 - 130
Cyclohexane	10.0	8.92		ppb v/v		89	69 - 129
Carbon tetrachloride	10.0	8.51		ppb v/v		85	62 - 143
2,2,4-Trimethylpentane	10.0	8.95		ppb v/v		90	67 - 127
Benzene	10.0	8.54		ppb v/v		85	67 - 127
1,2-Dichloroethane	10.0	8.89		ppb v/v		89	67 - 132
n-Heptane	10.0	8.97		ppb v/v		90	62 - 130
Trichloroethene	10.0	8.23		ppb v/v		82	68 - 128
Methyl methacrylate	10.0	9.35		ppb v/v		94	70 - 130
1,2-Dichloropropane	10.0	8.77		ppb v/v		88	67 - 127
1,4-Dioxane	10.0	8.93		ppb v/v		89	66 - 132

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-128485/3
Matrix: Air
Analysis Batch: 128485

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromodichloromethane	10.0	8.83		ppb v/v		88	69 - 129
cis-1,3-Dichloropropene	10.0	8.98		ppb v/v		90	70 - 130
4-Methyl-2-pentanone (Methyl isobutyl ketone)	10.0	9.33		ppb v/v		93	62 - 130
Toluene	10.0	8.65		ppb v/v		86	67 - 127
trans-1,3-Dichloropropene	10.0	9.08		ppb v/v		91	69 - 129
1,1,2-Trichloroethane	10.0	8.96		ppb v/v		90	69 - 129
Tetrachloroethene	10.0	8.08		ppb v/v		81	70 - 130
Methyl Butyl Ketone (2-Hexanone)	10.0	9.24		ppb v/v		92	61 - 127
Dibromochloromethane	10.0	8.97		ppb v/v		90	66 - 130
1,2-Dibromoethane	10.0	8.85		ppb v/v		88	70 - 130
Chlorobenzene	10.0	8.69		ppb v/v		87	68 - 128
Ethylbenzene	10.0	8.63		ppb v/v		86	68 - 128
m,p-Xylene	20.0	17.4		ppb v/v		87	68 - 128
o-Xylene	10.0	8.47		ppb v/v		85	67 - 127
Styrene	10.0	8.73		ppb v/v		87	68 - 128
Bromoform	10.0	9.71		ppb v/v		97	34 - 170
Cumene	10.0	8.62		ppb v/v		86	67 - 127
1,1,2,2-Tetrachloroethane	10.0	8.89		ppb v/v		89	69 - 129
n-Propylbenzene	10.0	8.76		ppb v/v		88	67 - 127
4-Ethyltoluene	10.0	8.85		ppb v/v		88	69 - 129
1,3,5-Trimethylbenzene	10.0	8.71		ppb v/v		87	65 - 125
2-Chlorotoluene	10.0	8.61		ppb v/v		86	67 - 127
tert-Butylbenzene	10.0	8.66		ppb v/v		87	63 - 125
1,2,4-Trimethylbenzene	10.0	8.65		ppb v/v		86	65 - 125
sec-Butylbenzene	10.0	8.61		ppb v/v		86	66 - 126
4-Isopropyltoluene	10.0	8.48		ppb v/v		85	67 - 129
1,3-Dichlorobenzene	10.0	8.45		ppb v/v		85	67 - 127
1,4-Dichlorobenzene	10.0	8.43		ppb v/v		84	66 - 126
Benzyl chloride	10.0	8.45		ppb v/v		85	54 - 135
n-Butylbenzene	10.0	8.28		ppb v/v		83	67 - 127
1,2-Dichlorobenzene	10.0	8.39		ppb v/v		84	67 - 127
1,2,4-Trichlorobenzene	10.0	7.21		ppb v/v		72	59 - 126
Hexachlorobutadiene	10.0	8.04		ppb v/v		80	62 - 130
Naphthalene	10.0	5.90		ppb v/v		59	50 - 121

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorodifluoromethane	49	45.2		ug/m3		91	68 - 128
Chlorodifluoromethane	35	33.6		ug/m3		95	64 - 128
1,2-Dichlorotetrafluoroethane	70	69.0		ug/m3		99	78 - 138
Chloromethane	21	19.1		ug/m3		92	57 - 126
n-Butane	24	22.6		ug/m3		95	56 - 130
Vinyl chloride	26	21.1		ug/m3		83	62 - 125
1,3-Butadiene	22	18.5		ug/m3		84	59 - 125
Bromomethane	39	34.4		ug/m3		89	68 - 128
Chloroethane	26	24.4		ug/m3		92	65 - 125
Bromoethene(Vinyl Bromide)	44	38.0		ug/m3		87	67 - 127
Trichlorofluoromethane	56	48.4		ug/m3		86	67 - 127

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-128485/3
Matrix: Air
Analysis Batch: 128485

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2-Trichlorotrifluoroethane	77	67.5		ug/m3		88	68 - 128
1,1-Dichloroethene	40	32.3		ug/m3		82	67 - 127
Acetone	24	25.2		ug/m3		106	64 - 136
Isopropyl alcohol	25	22.6		ug/m3		92	55 - 124
Carbon disulfide	31	32.9		ug/m3		106	81 - 141
3-Chloropropene	31	30.6		ug/m3		98	53 - 133
Methylene Chloride	35	32.6		ug/m3		94	62 - 122
tert-Butyl alcohol	30	28.6		ug/m3		94	64 - 124
Methyl tert-butyl ether	36	32.7		ug/m3		91	67 - 127
trans-1,2-Dichloroethene	40	38.1		ug/m3		96	72 - 132
n-Hexane	35	31.6		ug/m3		90	71 - 131
1,1-Dichloroethane	40	35.0		ug/m3		86	66 - 126
Methyl Ethyl Ketone (2-Butanone)	29	28.0		ug/m3		95	62 - 122
cis-1,2-Dichloroethene	40	32.4		ug/m3		82	67 - 127
Chloroform	49	43.2		ug/m3		88	69 - 129
Tetrahydrofuran	29	30.4		ug/m3		103	61 - 136
1,1,1-Trichloroethane	55	47.8		ug/m3		88	70 - 130
Cyclohexane	34	30.7		ug/m3		89	69 - 129
Carbon tetrachloride	63	53.5		ug/m3		85	62 - 143
2,2,4-Trimethylpentane	47	41.8		ug/m3		90	67 - 127
Benzene	32	27.3		ug/m3		85	67 - 127
1,2-Dichloroethane	40	36.0		ug/m3		89	67 - 132
n-Heptane	41	36.8		ug/m3		90	62 - 130
Trichloroethene	54	44.2		ug/m3		82	68 - 128
Methyl methacrylate	41	38.3		ug/m3		94	70 - 130
1,2-Dichloropropane	46	40.5		ug/m3		88	67 - 127
1,4-Dioxane	36	32.2		ug/m3		89	66 - 132
Bromodichloromethane	67	59.1		ug/m3		88	69 - 129
cis-1,3-Dichloropropene	45	40.8		ug/m3		90	70 - 130
4-Methyl-2-pentanone (Methyl isobutyl ketone)	41	38.2		ug/m3		93	62 - 130
Toluene	38	32.6		ug/m3		86	67 - 127
trans-1,3-Dichloropropene	45	41.2		ug/m3		91	69 - 129
1,1,2-Trichloroethane	55	48.9		ug/m3		90	69 - 129
Tetrachloroethene	68	54.8		ug/m3		81	70 - 130
Methyl Butyl Ketone (2-Hexanone)	41	37.9		ug/m3		92	61 - 127
Dibromochloromethane	85	76.4		ug/m3		90	66 - 130
1,2-Dibromoethane	77	68.0		ug/m3		88	70 - 130
Chlorobenzene	46	40.0		ug/m3		87	68 - 128
Ethylbenzene	43	37.5		ug/m3		86	68 - 128
m,p-Xylene	87	75.7		ug/m3		87	68 - 128
o-Xylene	43	36.8		ug/m3		85	67 - 127
Styrene	43	37.2		ug/m3		87	68 - 128
Bromoform	100	100		ug/m3		97	34 - 170
Cumene	49	42.4		ug/m3		86	67 - 127
1,1,2,2-Tetrachloroethane	69	61.0		ug/m3		89	69 - 129
n-Propylbenzene	49	43.1		ug/m3		88	67 - 127

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-128485/3
Matrix: Air
Analysis Batch: 128485

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Ethyltoluene	49	43.5		ug/m3		88	69 - 129
1,3,5-Trimethylbenzene	49	42.8		ug/m3		87	65 - 125
2-Chlorotoluene	52	44.6		ug/m3		86	67 - 127
tert-Butylbenzene	55	47.5		ug/m3		87	63 - 125
1,2,4-Trimethylbenzene	49	42.5		ug/m3		86	65 - 125
sec-Butylbenzene	55	47.3		ug/m3		86	66 - 126
4-Isopropyltoluene	55	46.5		ug/m3		85	67 - 129
1,3-Dichlorobenzene	60	50.8		ug/m3		85	67 - 127
1,4-Dichlorobenzene	60	50.7		ug/m3		84	66 - 126
Benzyl chloride	52	43.7		ug/m3		85	54 - 135
n-Butylbenzene	55	45.5		ug/m3		83	67 - 127
1,2-Dichlorobenzene	60	50.5		ug/m3		84	67 - 127
1,2,4-Trichlorobenzene	74	53.5		ug/m3		72	59 - 126
Hexachlorobutadiene	110	85.8		ug/m3		80	62 - 130
Naphthalene	52	30.9		ug/m3		59	50 - 121

Lab Sample ID: 200-43091-1 DU
Matrix: Air
Analysis Batch: 128485

Client Sample ID: SV001
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Dichlorodifluoromethane	1.5		1.20		ppb v/v		19	25
Chlorodifluoromethane	0.50	U	0.50	U	ppb v/v		NC	25
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	U	ppb v/v		NC	25
Chloromethane	0.50	U	0.50	U	ppb v/v		NC	25
n-Butane	1.8		1.44		ppb v/v		21	25
Vinyl chloride	0.035	U	0.035	U	ppb v/v		NC	25
1,3-Butadiene	0.19	J	0.158	J	ppb v/v		17	25
Bromomethane	0.20	U	0.20	U	ppb v/v		NC	25
Chloroethane	0.50	U	0.50	U	ppb v/v		NC	25
Bromoethene(Vinyl Bromide)	0.20	U	0.20	U	ppb v/v		NC	25
Trichlorofluoromethane	0.66		0.579		ppb v/v		13	25
1,1,2-Trichlorotrifluoroethane	0.071	J	0.0702	J	ppb v/v		0.5	25
1,1-Dichloroethene	0.035	U	0.035	U	ppb v/v		NC	25
Acetone	20		16.4		ppb v/v		19	25
Isopropyl alcohol	2.0	J	5.0	U	ppb v/v		NC	25
Carbon disulfide	0.26	J	0.243	J	ppb v/v		7	25
3-Chloropropene	0.50	U	0.50	U	ppb v/v		NC	25
Methylene Chloride	1.9		1.61		ppb v/v		14	25
tert-Butyl alcohol	12		10.6		ppb v/v		12	25
Methyl tert-butyl ether	0.20	U	0.20	U	ppb v/v		NC	25
trans-1,2-Dichloroethene	0.20	U	0.20	U	ppb v/v		NC	25
n-Hexane	0.91		0.804		ppb v/v		12	25
1,1-Dichloroethane	0.20	U	0.20	U	ppb v/v		NC	25
Methyl Ethyl Ketone (2-Butanone)	5.7		5.22		ppb v/v		8	25
cis-1,2-Dichloroethene	0.035	U	0.035	U	ppb v/v		NC	25
Chloroform	0.43		0.398		ppb v/v		9	25
Tetrahydrofuran	5.0	U	5.0	U	ppb v/v		NC	25

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: 200-43091-1 DU
Matrix: Air
Analysis Batch: 128485

Client Sample ID: SV001
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
1,1,1-Trichloroethane	0.20	U	0.20	U	ppb v/v		NC	25
Cyclohexane	1.9		1.82		ppb v/v		6	25
Carbon tetrachloride	0.039		0.0335	J	ppb v/v		15	25
2,2,4-Trimethylpentane	0.20	U	0.20	U	ppb v/v		NC	25
Benzene	0.53		0.485		ppb v/v		8	25
1,2-Dichloroethane	0.20	U	0.20	U	ppb v/v		NC	25
n-Heptane	1.4		1.19		ppb v/v		18	25
Trichloroethene	0.080		0.0797		ppb v/v		0.4	25
Methyl methacrylate	0.50	U	0.50	U	ppb v/v		NC	25
1,2-Dichloropropane	0.20	U	0.20	U	ppb v/v		NC	25
1,4-Dioxane	5.0	U	5.0	U	ppb v/v		NC	25
Bromodichloromethane	0.47		0.341	F5	ppb v/v		31	25
cis-1,3-Dichloropropene	0.20	U	0.20	U	ppb v/v		NC	25
4-Methyl-2-pentanone (Methyl isobutyl ketone)	0.50	U	0.50	U	ppb v/v		NC	25
Toluene	7.5		6.77		ppb v/v		11	25
trans-1,3-Dichloropropene	0.20	U	0.20	U	ppb v/v		NC	25
1,1,2-Trichloroethane	0.20	U	0.20	U	ppb v/v		NC	25
Tetrachloroethene	0.33		0.304		ppb v/v		8	25
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	U	ppb v/v		NC	25
Dibromochloromethane	0.20	U	0.20	U	ppb v/v		NC	25
1,2-Dibromoethane	0.20	U	0.20	U	ppb v/v		NC	25
Chlorobenzene	0.20	U	0.20	U	ppb v/v		NC	25
Ethylbenzene	1.6		1.45		ppb v/v		12	25
m,p-Xylene	5.5		4.90		ppb v/v		12	25
o-Xylene	1.9		1.73		ppb v/v		12	25
Styrene	4.8		4.21		ppb v/v		12	25
Bromoform	0.20	U	0.20	U	ppb v/v		NC	25
Cumene	0.23		0.202		ppb v/v		15	25
1,1,2,2-Tetrachloroethane	0.20	U	0.186	J	ppb v/v		NC	25
n-Propylbenzene	0.19	J	0.155	J	ppb v/v		18	25
4-Ethyltoluene	0.17	J	0.151	J	ppb v/v		12	25
1,3,5-Trimethylbenzene	0.12	J	0.100	J	ppb v/v		15	25
2-Chlorotoluene	0.20	U	0.20	U	ppb v/v		NC	25
tert-Butylbenzene	0.20	U	0.20	U	ppb v/v		NC	25
1,2,4-Trimethylbenzene	0.40		0.342		ppb v/v		15	25
sec-Butylbenzene	0.20	U	0.20	U	ppb v/v		NC	25
4-Isopropyltoluene	0.10	J	0.0856	J	ppb v/v		17	25
1,3-Dichlorobenzene	0.20	U	0.20	U	ppb v/v		NC	25
1,4-Dichlorobenzene	0.20	U	0.20	U	ppb v/v		NC	25
Benzyl chloride	0.20	U	0.20	U	ppb v/v		NC	25
n-Butylbenzene	0.20	U	0.20	U	ppb v/v		NC	25
1,2-Dichlorobenzene	0.20	U	0.20	U	ppb v/v		NC	25
1,2,4-Trichlorobenzene	0.50	U	0.50	U	ppb v/v		NC	25
Hexachlorobutadiene	0.20	U	0.20	U	ppb v/v		NC	25
Naphthalene	0.50	U	0.50	U	ppb v/v		NC	25

QC Sample Results

Client: PW Grosser Consulting
Project/Site: Yaphank Superfund site

TestAmerica Job ID: 200-43091-1
SDG: 200-43091-1

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Dichlorodifluoromethane	7.2		5.93		ug/m3		19	25
Chlorodifluoromethane	1.8	U	1.8	U	ug/m3		NC	25
1,2-Dichlorotetrafluoroethane	1.4	U	1.4	U	ug/m3		NC	25
Chloromethane	1.0	U	1.0	U	ug/m3		NC	25
n-Butane	4.2		3.43		ug/m3		21	25
Vinyl chloride	0.089	U	0.089	U	ug/m3		NC	25
1,3-Butadiene	0.41	J	0.349	J	ug/m3		17	25
Bromomethane	0.78	U	0.78	U	ug/m3		NC	25
Chloroethane	1.3	U	1.3	U	ug/m3		NC	25
Bromoethene(Vinyl Bromide)	0.87	U	0.87	U	ug/m3		NC	25
Trichlorofluoromethane	3.7		3.25		ug/m3		13	25
1,1,2-Trichlorotrifluoroethane	0.54	J	0.538	J	ug/m3		0.5	25
1,1-Dichloroethene	0.14	U	0.14	U	ug/m3		NC	25
Acetone	47		39.0		ug/m3		19	25
Isopropyl alcohol	4.9	J	12	U	ug/m3		NC	25
Carbon disulfide	0.81	J	0.758	J	ug/m3		7	25
3-Chloropropene	1.6	U	1.6	U	ug/m3		NC	25
Methylene Chloride	6.5		5.61		ug/m3		14	25
tert-Butyl alcohol	37		32.3		ug/m3		12	25
Methyl tert-butyl ether	0.72	U	0.72	U	ug/m3		NC	25
trans-1,2-Dichloroethene	0.79	U	0.79	U	ug/m3		NC	25
n-Hexane	3.2		2.83		ug/m3		12	25
1,1-Dichloroethane	0.81	U	0.81	U	ug/m3		NC	25
Methyl Ethyl Ketone (2-Butanone)	17		15.4		ug/m3		8	25
cis-1,2-Dichloroethene	0.14	U	0.14	U	ug/m3		NC	25
Chloroform	2.1		1.94		ug/m3		9	25
Tetrahydrofuran	15	U	15	U	ug/m3		NC	25
1,1,1-Trichloroethane	1.1	U	1.1	U	ug/m3		NC	25
Cyclohexane	6.7		6.27		ug/m3		6	25
Carbon tetrachloride	0.24		0.211	J	ug/m3		15	25
2,2,4-Trimethylpentane	0.93	U	0.93	U	ug/m3		NC	25
Benzene	1.7		1.55		ug/m3		8	25
1,2-Dichloroethane	0.81	U	0.81	U	ug/m3		NC	25
n-Heptane	5.8		4.88		ug/m3		18	25
Trichloroethene	0.43		0.428		ug/m3		0.4	25
Methyl methacrylate	2.0	U	2.0	U	ug/m3		NC	25
1,2-Dichloropropane	0.92	U	0.92	U	ug/m3		NC	25
1,4-Dioxane	18	U	18	U	ug/m3		NC	25
Bromodichloromethane	3.1		2.29	F5	ug/m3		31	25
cis-1,3-Dichloropropene	0.91	U	0.91	U	ug/m3		NC	25
4-Methyl-2-pentanone (Methyl isobutyl ketone)	2.0	U	2.0	U	ug/m3		NC	25
Toluene	28		25.5		ug/m3		11	25
trans-1,3-Dichloropropene	0.91	U	0.91	U	ug/m3		NC	25
1,1,2-Trichloroethane	1.1	U	1.1	U	ug/m3		NC	25
Tetrachloroethene	2.2		2.06		ug/m3		8	25
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0	U	ug/m3		NC	25
Dibromochloromethane	1.7	U	1.7	U	ug/m3		NC	25
1,2-Dibromoethane	1.5	U	1.5	U	ug/m3		NC	25
Chlorobenzene	0.92	U	0.92	U	ug/m3		NC	25
Ethylbenzene	7.1		6.32		ug/m3		12	25
m,p-Xylene	24		21.3		ug/m3		12	25
o-Xylene	8.5		7.52		ug/m3		12	25

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: 200-43091-1 DU
Matrix: Air
Analysis Batch: 128485

Client Sample ID: SV001
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Styrene	20		17.9		ug/m3		12	25
Bromoform	2.1	U	2.1	U	ug/m3		NC	25
Cumene	1.2		0.993		ug/m3		15	25
1,1,2,2-Tetrachloroethane	1.4	U	1.27	J	ug/m3		NC	25
n-Propylbenzene	0.91	J	0.764	J	ug/m3		18	25
4-Ethyltoluene	0.84	J	0.743	J	ug/m3		12	25
1,3,5-Trimethylbenzene	0.57	J	0.492	J	ug/m3		15	25
2-Chlorotoluene	1.0	U	1.0	U	ug/m3		NC	25
tert-Butylbenzene	1.1	U	1.1	U	ug/m3		NC	25
1,2,4-Trimethylbenzene	2.0		1.68		ug/m3		15	25
sec-Butylbenzene	1.1	U	1.1	U	ug/m3		NC	25
4-Isopropyltoluene	0.56	J	0.470	J	ug/m3		17	25
1,3-Dichlorobenzene	1.2	U	1.2	U	ug/m3		NC	25
1,4-Dichlorobenzene	1.2	U	1.2	U	ug/m3		NC	25
Benzyl chloride	1.0	U	1.0	U	ug/m3		NC	25
n-Butylbenzene	1.1	U	1.1	U	ug/m3		NC	25
1,2-Dichlorobenzene	1.2	U	1.2	U	ug/m3		NC	25
1,2,4-Trichlorobenzene	3.7	U	3.7	U	ug/m3		NC	25
Hexachlorobutadiene	2.1	U	2.1	U	ug/m3		NC	25
Naphthalene	2.6	U	2.6	U	ug/m3		NC	25

Lab Sample ID: MB 200-128526/4
Matrix: Air
Analysis Batch: 128526

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	0.50	U	0.50	0.20	ppb v/v			04/17/18 11:39	1
Chlorodifluoromethane	0.50	U	0.50	0.26	ppb v/v			04/17/18 11:39	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.068	ppb v/v			04/17/18 11:39	1
Chloromethane	0.50	U	0.50	0.25	ppb v/v			04/17/18 11:39	1
n-Butane	0.50	U	0.50	0.31	ppb v/v			04/17/18 11:39	1
Vinyl chloride	0.035	U	0.035	0.041	ppb v/v			04/17/18 11:39	1
1,3-Butadiene	0.20	U	0.20	0.065	ppb v/v			04/17/18 11:39	1
Bromomethane	0.20	U	0.20	0.062	ppb v/v			04/17/18 11:39	1
Chloroethane	0.50	U	0.50	0.21	ppb v/v			04/17/18 11:39	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.056	ppb v/v			04/17/18 11:39	1
Trichlorofluoromethane	0.20	U	0.20	0.062	ppb v/v			04/17/18 11:39	1
1,1,2-Trichlorotrifluoroethane	0.20	U	0.20	0.031	ppb v/v			04/17/18 11:39	1
1,1-Dichloroethene	0.035	U	0.035	0.034	ppb v/v			04/17/18 11:39	1
Acetone	5.0	U	5.0	2.6	ppb v/v			04/17/18 11:39	1
Isopropyl alcohol	5.0	U	5.0	1.8	ppb v/v			04/17/18 11:39	1
Carbon disulfide	0.50	U	0.50	0.12	ppb v/v			04/17/18 11:39	1
3-Chloropropene	0.50	U	0.50	0.27	ppb v/v			04/17/18 11:39	1
Methylene Chloride	0.50	U	0.50	0.20	ppb v/v			04/17/18 11:39	1
tert-Butyl alcohol	5.0	U	5.0	1.5	ppb v/v			04/17/18 11:39	1
Methyl tert-butyl ether	0.20	U	0.20	0.061	ppb v/v			04/17/18 11:39	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.074	ppb v/v			04/17/18 11:39	1
n-Hexane	0.20	U	0.20	0.16	ppb v/v			04/17/18 11:39	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-128526/4
Matrix: Air
Analysis Batch: 128526

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	0.20	U	0.20	0.026	ppb v/v			04/17/18 11:39	1
Methyl Ethyl Ketone (2-Butanone)	0.50	U	0.50	0.20	ppb v/v			04/17/18 11:39	1
cis-1,2-Dichloroethene	0.035	U	0.035	0.037	ppb v/v			04/17/18 11:39	1
Chloroform	0.20	U	0.20	0.052	ppb v/v			04/17/18 11:39	1
Tetrahydrofuran	5.0	U	5.0	2.6	ppb v/v			04/17/18 11:39	1
1,1,1-Trichloroethane	0.20	U	0.20	0.068	ppb v/v			04/17/18 11:39	1
Cyclohexane	0.20	U	0.20	0.063	ppb v/v			04/17/18 11:39	1
Carbon tetrachloride	0.035	U	0.035	0.024	ppb v/v			04/17/18 11:39	1
2,2,4-Trimethylpentane	0.20	U	0.20	0.088	ppb v/v			04/17/18 11:39	1
Benzene	0.20	U	0.20	0.071	ppb v/v			04/17/18 11:39	1
1,2-Dichloroethane	0.20	U	0.20	0.063	ppb v/v			04/17/18 11:39	1
n-Heptane	0.20	U	0.20	0.14	ppb v/v			04/17/18 11:39	1
Trichloroethene	0.035	U	0.035	0.030	ppb v/v			04/17/18 11:39	1
Methyl methacrylate	0.50	U	0.50	0.22	ppb v/v			04/17/18 11:39	1
1,2-Dichloropropane	0.20	U	0.20	0.12	ppb v/v			04/17/18 11:39	1
1,4-Dioxane	5.0	U	5.0	1.3	ppb v/v			04/17/18 11:39	1
Bromodichloromethane	0.20	U	0.20	0.094	ppb v/v			04/17/18 11:39	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.098	ppb v/v			04/17/18 11:39	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	0.50	U	0.50	0.36	ppb v/v			04/17/18 11:39	1
Toluene	0.20	U	0.20	0.069	ppb v/v			04/17/18 11:39	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.12	ppb v/v			04/17/18 11:39	1
1,1,2-Trichloroethane	0.20	U	0.20	0.078	ppb v/v			04/17/18 11:39	1
Tetrachloroethene	0.20	U	0.20	0.029	ppb v/v			04/17/18 11:39	1
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.42	ppb v/v			04/17/18 11:39	1
Dibromochloromethane	0.20	U	0.20	0.071	ppb v/v			04/17/18 11:39	1
1,2-Dibromoethane	0.20	U	0.20	0.069	ppb v/v			04/17/18 11:39	1
Chlorobenzene	0.20	U	0.20	0.040	ppb v/v			04/17/18 11:39	1
Ethylbenzene	0.20	U	0.20	0.073	ppb v/v			04/17/18 11:39	1
m,p-Xylene	0.50	U	0.50	0.070	ppb v/v			04/17/18 11:39	1
o-Xylene	0.20	U	0.20	0.071	ppb v/v			04/17/18 11:39	1
Styrene	0.20	U	0.20	0.086	ppb v/v			04/17/18 11:39	1
Bromoform	0.20	U	0.20	0.086	ppb v/v			04/17/18 11:39	1
Cumene	0.20	U	0.20	0.059	ppb v/v			04/17/18 11:39	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.076	ppb v/v			04/17/18 11:39	1
n-Propylbenzene	0.20	U	0.20	0.069	ppb v/v			04/17/18 11:39	1
4-Ethyltoluene	0.20	U	0.20	0.069	ppb v/v			04/17/18 11:39	1
1,3,5-Trimethylbenzene	0.20	U	0.20	0.058	ppb v/v			04/17/18 11:39	1
2-Chlorotoluene	0.20	U	0.20	0.071	ppb v/v			04/17/18 11:39	1
tert-Butylbenzene	0.20	U	0.20	0.058	ppb v/v			04/17/18 11:39	1
1,2,4-Trimethylbenzene	0.20	U	0.20	0.080	ppb v/v			04/17/18 11:39	1
sec-Butylbenzene	0.20	U	0.20	0.066	ppb v/v			04/17/18 11:39	1
4-Isopropyltoluene	0.20	U	0.20	0.075	ppb v/v			04/17/18 11:39	1
1,3-Dichlorobenzene	0.20	U	0.20	0.082	ppb v/v			04/17/18 11:39	1
1,4-Dichlorobenzene	0.20	U	0.20	0.065	ppb v/v			04/17/18 11:39	1
Benzyl chloride	0.20	U	0.20	0.12	ppb v/v			04/17/18 11:39	1
n-Butylbenzene	0.20	U	0.20	0.080	ppb v/v			04/17/18 11:39	1
1,2-Dichlorobenzene	0.20	U	0.20	0.071	ppb v/v			04/17/18 11:39	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-128526/4
Matrix: Air
Analysis Batch: 128526

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	0.50	U	0.50	0.24	ppb v/v			04/17/18 11:39	1
Hexachlorobutadiene	0.20	U	0.20	0.082	ppb v/v			04/17/18 11:39	1
Naphthalene	0.50	U	0.50	0.31	ppb v/v			04/17/18 11:39	1

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	2.5	U	2.5	0.99	ug/m3			04/17/18 11:39	1
Chlorodifluoromethane	1.8	U	1.8	0.92	ug/m3			04/17/18 11:39	1
1,2-Dichlorotetrafluoroethane	1.4	U	1.4	0.48	ug/m3			04/17/18 11:39	1
Chloromethane	1.0	U	1.0	0.52	ug/m3			04/17/18 11:39	1
n-Butane	1.2	U	1.2	0.74	ug/m3			04/17/18 11:39	1
Vinyl chloride	0.089	U	0.089	0.10	ug/m3			04/17/18 11:39	1
1,3-Butadiene	0.44	U	0.44	0.14	ug/m3			04/17/18 11:39	1
Bromomethane	0.78	U	0.78	0.24	ug/m3			04/17/18 11:39	1
Chloroethane	1.3	U	1.3	0.55	ug/m3			04/17/18 11:39	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.24	ug/m3			04/17/18 11:39	1
Trichlorofluoromethane	1.1	U	1.1	0.35	ug/m3			04/17/18 11:39	1
1,1,2-Trichlorotrifluoroethane	1.5	U	1.5	0.24	ug/m3			04/17/18 11:39	1
1,1-Dichloroethene	0.14	U	0.14	0.13	ug/m3			04/17/18 11:39	1
Acetone	12	U	12	6.2	ug/m3			04/17/18 11:39	1
Isopropyl alcohol	12	U	12	4.4	ug/m3			04/17/18 11:39	1
Carbon disulfide	1.6	U	1.6	0.37	ug/m3			04/17/18 11:39	1
3-Chloropropene	1.6	U	1.6	0.85	ug/m3			04/17/18 11:39	1
Methylene Chloride	1.7	U	1.7	0.69	ug/m3			04/17/18 11:39	1
tert-Butyl alcohol	15	U	15	4.5	ug/m3			04/17/18 11:39	1
Methyl tert-butyl ether	0.72	U	0.72	0.22	ug/m3			04/17/18 11:39	1
trans-1,2-Dichloroethene	0.79	U	0.79	0.29	ug/m3			04/17/18 11:39	1
n-Hexane	0.70	U	0.70	0.56	ug/m3			04/17/18 11:39	1
1,1-Dichloroethane	0.81	U	0.81	0.11	ug/m3			04/17/18 11:39	1
Methyl Ethyl Ketone (2-Butanone)	1.5	U	1.5	0.59	ug/m3			04/17/18 11:39	1
cis-1,2-Dichloroethene	0.14	U	0.14	0.15	ug/m3			04/17/18 11:39	1
Chloroform	0.98	U	0.98	0.25	ug/m3			04/17/18 11:39	1
Tetrahydrofuran	15	U	15	7.7	ug/m3			04/17/18 11:39	1
1,1,1-Trichloroethane	1.1	U	1.1	0.37	ug/m3			04/17/18 11:39	1
Cyclohexane	0.69	U	0.69	0.22	ug/m3			04/17/18 11:39	1
Carbon tetrachloride	0.22	U	0.22	0.15	ug/m3			04/17/18 11:39	1
2,2,4-Trimethylpentane	0.93	U	0.93	0.41	ug/m3			04/17/18 11:39	1
Benzene	0.64	U	0.64	0.23	ug/m3			04/17/18 11:39	1
1,2-Dichloroethane	0.81	U	0.81	0.25	ug/m3			04/17/18 11:39	1
n-Heptane	0.82	U	0.82	0.57	ug/m3			04/17/18 11:39	1
Trichloroethene	0.19	U	0.19	0.16	ug/m3			04/17/18 11:39	1
Methyl methacrylate	2.0	U	2.0	0.90	ug/m3			04/17/18 11:39	1
1,2-Dichloropropane	0.92	U	0.92	0.55	ug/m3			04/17/18 11:39	1
1,4-Dioxane	18	U	18	4.7	ug/m3			04/17/18 11:39	1
Bromodichloromethane	1.3	U	1.3	0.63	ug/m3			04/17/18 11:39	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.44	ug/m3			04/17/18 11:39	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	2.0	U	2.0	1.5	ug/m3			04/17/18 11:39	1
Toluene	0.75	U	0.75	0.26	ug/m3			04/17/18 11:39	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-128526/4
Matrix: Air
Analysis Batch: 128526

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	0.91	U	0.91	0.54	ug/m3			04/17/18 11:39	1
1,1,2-Trichloroethane	1.1	U	1.1	0.43	ug/m3			04/17/18 11:39	1
Tetrachloroethene	1.4	U	1.4	0.20	ug/m3			04/17/18 11:39	1
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0	1.7	ug/m3			04/17/18 11:39	1
Dibromochloromethane	1.7	U	1.7	0.60	ug/m3			04/17/18 11:39	1
1,2-Dibromoethane	1.5	U	1.5	0.53	ug/m3			04/17/18 11:39	1
Chlorobenzene	0.92	U	0.92	0.18	ug/m3			04/17/18 11:39	1
Ethylbenzene	0.87	U	0.87	0.32	ug/m3			04/17/18 11:39	1
m,p-Xylene	2.2	U	2.2	0.30	ug/m3			04/17/18 11:39	1
o-Xylene	0.87	U	0.87	0.31	ug/m3			04/17/18 11:39	1
Styrene	0.85	U	0.85	0.37	ug/m3			04/17/18 11:39	1
Bromoform	2.1	U	2.1	0.89	ug/m3			04/17/18 11:39	1
Cumene	0.98	U	0.98	0.29	ug/m3			04/17/18 11:39	1
1,1,2,2-Tetrachloroethane	1.4	U	1.4	0.52	ug/m3			04/17/18 11:39	1
n-Propylbenzene	0.98	U	0.98	0.34	ug/m3			04/17/18 11:39	1
4-Ethyltoluene	0.98	U	0.98	0.34	ug/m3			04/17/18 11:39	1
1,3,5-Trimethylbenzene	0.98	U	0.98	0.29	ug/m3			04/17/18 11:39	1
2-Chlorotoluene	1.0	U	1.0	0.37	ug/m3			04/17/18 11:39	1
tert-Butylbenzene	1.1	U	1.1	0.32	ug/m3			04/17/18 11:39	1
1,2,4-Trimethylbenzene	0.98	U	0.98	0.39	ug/m3			04/17/18 11:39	1
sec-Butylbenzene	1.1	U	1.1	0.36	ug/m3			04/17/18 11:39	1
4-Isopropyltoluene	1.1	U	1.1	0.41	ug/m3			04/17/18 11:39	1
1,3-Dichlorobenzene	1.2	U	1.2	0.49	ug/m3			04/17/18 11:39	1
1,4-Dichlorobenzene	1.2	U	1.2	0.39	ug/m3			04/17/18 11:39	1
Benzyl chloride	1.0	U	1.0	0.62	ug/m3			04/17/18 11:39	1
n-Butylbenzene	1.1	U	1.1	0.44	ug/m3			04/17/18 11:39	1
1,2-Dichlorobenzene	1.2	U	1.2	0.43	ug/m3			04/17/18 11:39	1
1,2,4-Trichlorobenzene	3.7	U	3.7	1.8	ug/m3			04/17/18 11:39	1
Hexachlorobutadiene	2.1	U	2.1	0.87	ug/m3			04/17/18 11:39	1
Naphthalene	2.6	U	2.6	1.6	ug/m3			04/17/18 11:39	1

Lab Sample ID: LCS 200-128526/3
Matrix: Air
Analysis Batch: 128526

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorodifluoromethane	10.0	8.77		ppb v/v		88	68 - 128
Chlorodifluoromethane	10.0	10.3		ppb v/v		103	64 - 128
1,2-Dichlorotetrafluoroethane	10.0	11.4		ppb v/v		114	78 - 138
Chloromethane	10.0	9.93		ppb v/v		99	57 - 126
n-Butane	10.0	10.5		ppb v/v		105	56 - 130
Vinyl chloride	10.0	10.1		ppb v/v		101	62 - 125
1,3-Butadiene	10.0	9.87		ppb v/v		99	59 - 125
Bromomethane	10.0	10.2		ppb v/v		102	68 - 128
Chloroethane	10.0	10.3		ppb v/v		103	65 - 125
Bromoethene(Vinyl Bromide)	10.0	10.1		ppb v/v		101	67 - 127
Trichlorofluoromethane	10.0	9.77		ppb v/v		98	67 - 127
1,1,2-Trichlorotrifluoroethane	10.0	10.3		ppb v/v		103	68 - 128

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-128526/3
Matrix: Air
Analysis Batch: 128526

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	10.0	9.89		ppb v/v		99	67 - 127
Acetone	10.0	11.1		ppb v/v		111	64 - 136
Isopropyl alcohol	10.0	10.0		ppb v/v		100	55 - 124
Carbon disulfide	10.0	12.1		ppb v/v		121	81 - 141
3-Chloropropene	10.0	11.4		ppb v/v		114	53 - 133
Methylene Chloride	10.0	10.7		ppb v/v		107	62 - 122
tert-Butyl alcohol	10.0	10.2		ppb v/v		102	64 - 124
Methyl tert-butyl ether	10.0	10.4		ppb v/v		104	67 - 127
trans-1,2-Dichloroethene	10.0	11.0		ppb v/v		110	72 - 132
n-Hexane	10.0	11.4		ppb v/v		114	71 - 131
1,1-Dichloroethane	10.0	10.5		ppb v/v		105	66 - 126
Methyl Ethyl Ketone (2-Butanone)	10.0	10.3		ppb v/v		103	62 - 122
cis-1,2-Dichloroethene	10.0	10.4		ppb v/v		104	67 - 127
Chloroform	10.0	10.2		ppb v/v		102	69 - 129
Tetrahydrofuran	10.0	10.9		ppb v/v		109	61 - 136
1,1,1-Trichloroethane	10.0	10.1		ppb v/v		101	70 - 130
Cyclohexane	10.0	10.2		ppb v/v		102	69 - 129
Carbon tetrachloride	10.0	9.82		ppb v/v		98	62 - 143
2,2,4-Trimethylpentane	10.0	10.3		ppb v/v		103	67 - 127
Benzene	10.0	10.2		ppb v/v		102	67 - 127
1,2-Dichloroethane	10.0	10.0		ppb v/v		100	67 - 132
n-Heptane	10.0	10.4		ppb v/v		104	62 - 130
Trichloroethene	10.0	9.73		ppb v/v		97	68 - 128
Methyl methacrylate	10.0	10.3		ppb v/v		103	70 - 130
1,2-Dichloropropane	10.0	10.3		ppb v/v		103	67 - 127
1,4-Dioxane	10.0	10.0		ppb v/v		100	66 - 132
Bromodichloromethane	10.0	10.2		ppb v/v		102	69 - 129
cis-1,3-Dichloropropene	10.0	10.3		ppb v/v		103	70 - 130
4-Methyl-2-pentanone (Methyl isobutyl ketone)	10.0	10.1		ppb v/v		101	62 - 130
Toluene	10.0	10.2		ppb v/v		102	67 - 127
trans-1,3-Dichloropropene	10.0	9.39		ppb v/v		94	69 - 129
1,1,2-Trichloroethane	10.0	10.5		ppb v/v		105	69 - 129
Tetrachloroethene	10.0	9.63		ppb v/v		96	70 - 130
Methyl Butyl Ketone (2-Hexanone)	10.0	10.2		ppb v/v		102	61 - 127
Dibromochloromethane	10.0	10.2		ppb v/v		102	66 - 130
1,2-Dibromoethane	10.0	10.5		ppb v/v		105	70 - 130
Chlorobenzene	10.0	10.2		ppb v/v		102	68 - 128
Ethylbenzene	10.0	10.3		ppb v/v		103	68 - 128
m,p-Xylene	20.0	20.2		ppb v/v		101	68 - 128
o-Xylene	10.0	9.89		ppb v/v		99	67 - 127
Styrene	10.0	10.1		ppb v/v		101	68 - 128
Bromoform	10.0	10.6		ppb v/v		106	34 - 170
Cumene	10.0	9.97		ppb v/v		100	67 - 127
1,1,2,2-Tetrachloroethane	10.0	10.6		ppb v/v		106	69 - 129
n-Propylbenzene	10.0	10.2		ppb v/v		102	67 - 127
4-Ethyltoluene	10.0	10.5		ppb v/v		105	69 - 129

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-128526/3
Matrix: Air
Analysis Batch: 128526

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,3,5-Trimethylbenzene	10.0	10.1		ppb v/v		101	65 - 125
2-Chlorotoluene	10.0	10.3		ppb v/v		103	67 - 127
tert-Butylbenzene	10.0	10.1		ppb v/v		101	63 - 125
1,2,4-Trimethylbenzene	10.0	10.2		ppb v/v		102	65 - 125
sec-Butylbenzene	10.0	10.3		ppb v/v		103	66 - 126
4-Isopropyltoluene	10.0	10.3		ppb v/v		103	67 - 129
1,3-Dichlorobenzene	10.0	10.1		ppb v/v		101	67 - 127
1,4-Dichlorobenzene	10.0	9.99		ppb v/v		100	66 - 126
Benzyl chloride	10.0	9.58		ppb v/v		96	54 - 135
n-Butylbenzene	10.0	10.4		ppb v/v		104	67 - 127
1,2-Dichlorobenzene	10.0	10.1		ppb v/v		101	67 - 127
1,2,4-Trichlorobenzene	10.0	8.90		ppb v/v		89	59 - 126
Hexachlorobutadiene	10.0	9.18		ppb v/v		92	62 - 130
Naphthalene	10.0	7.88		ppb v/v		79	50 - 121

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorodifluoromethane	49	43.4		ug/m3		88	68 - 128
Chlorodifluoromethane	35	36.6		ug/m3		103	64 - 128
1,2-Dichlorotetrafluoroethane	70	79.5		ug/m3		114	78 - 138
Chloromethane	21	20.5		ug/m3		99	57 - 126
n-Butane	24	24.9		ug/m3		105	56 - 130
Vinyl chloride	26	25.9		ug/m3		101	62 - 125
1,3-Butadiene	22	21.8		ug/m3		99	59 - 125
Bromomethane	39	39.8		ug/m3		102	68 - 128
Chloroethane	26	27.1		ug/m3		103	65 - 125
Bromoethene(Vinyl Bromide)	44	44.3		ug/m3		101	67 - 127
Trichlorofluoromethane	56	54.9		ug/m3		98	67 - 127
1,1,2-Trichlorotrifluoroethane	77	79.0		ug/m3		103	68 - 128
1,1-Dichloroethene	40	39.2		ug/m3		99	67 - 127
Acetone	24	26.4		ug/m3		111	64 - 136
Isopropyl alcohol	25	24.6		ug/m3		100	55 - 124
Carbon disulfide	31	37.8		ug/m3		121	81 - 141
3-Chloropropene	31	35.7		ug/m3		114	53 - 133
Methylene Chloride	35	37.2		ug/m3		107	62 - 122
tert-Butyl alcohol	30	31.0		ug/m3		102	64 - 124
Methyl tert-butyl ether	36	37.4		ug/m3		104	67 - 127
trans-1,2-Dichloroethene	40	43.7		ug/m3		110	72 - 132
n-Hexane	35	40.0		ug/m3		114	71 - 131
1,1-Dichloroethane	40	42.6		ug/m3		105	66 - 126
Methyl Ethyl Ketone (2-Butanone)	29	30.3		ug/m3		103	62 - 122
cis-1,2-Dichloroethene	40	41.3		ug/m3		104	67 - 127
Chloroform	49	49.6		ug/m3		102	69 - 129
Tetrahydrofuran	29	32.2		ug/m3		109	61 - 136
1,1,1-Trichloroethane	55	55.1		ug/m3		101	70 - 130
Cyclohexane	34	35.2		ug/m3		102	69 - 129
Carbon tetrachloride	63	61.8		ug/m3		98	62 - 143
2,2,4-Trimethylpentane	47	48.2		ug/m3		103	67 - 127

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-128526/3
Matrix: Air
Analysis Batch: 128526

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	32	32.5		ug/m3		102	67 - 127
1,2-Dichloroethane	40	40.6		ug/m3		100	67 - 132
n-Heptane	41	42.8		ug/m3		104	62 - 130
Trichloroethene	54	52.3		ug/m3		97	68 - 128
Methyl methacrylate	41	42.2		ug/m3		103	70 - 130
1,2-Dichloropropane	46	47.7		ug/m3		103	67 - 127
1,4-Dioxane	36	36.0		ug/m3		100	66 - 132
Bromodichloromethane	67	68.2		ug/m3		102	69 - 129
cis-1,3-Dichloropropene	45	46.8		ug/m3		103	70 - 130
4-Methyl-2-pentanone (Methyl isobutyl ketone)	41	41.3		ug/m3		101	62 - 130
Toluene	38	38.4		ug/m3		102	67 - 127
trans-1,3-Dichloropropene	45	42.6		ug/m3		94	69 - 129
1,1,2-Trichloroethane	55	57.1		ug/m3		105	69 - 129
Tetrachloroethene	68	65.3		ug/m3		96	70 - 130
Methyl Butyl Ketone (2-Hexanone)	41	41.8		ug/m3		102	61 - 127
Dibromochloromethane	85	86.5		ug/m3		102	66 - 130
1,2-Dibromoethane	77	80.7		ug/m3		105	70 - 130
Chlorobenzene	46	46.8		ug/m3		102	68 - 128
Ethylbenzene	43	44.7		ug/m3		103	68 - 128
m,p-Xylene	87	87.8		ug/m3		101	68 - 128
o-Xylene	43	43.0		ug/m3		99	67 - 127
Styrene	43	42.8		ug/m3		101	68 - 128
Bromoform	100	110		ug/m3		106	34 - 170
Cumene	49	49.0		ug/m3		100	67 - 127
1,1,2,2-Tetrachloroethane	69	73.1		ug/m3		106	69 - 129
n-Propylbenzene	49	50.4		ug/m3		102	67 - 127
4-Ethyltoluene	49	51.8		ug/m3		105	69 - 129
1,3,5-Trimethylbenzene	49	49.8		ug/m3		101	65 - 125
2-Chlorotoluene	52	53.1		ug/m3		103	67 - 127
tert-Butylbenzene	55	55.3		ug/m3		101	63 - 125
1,2,4-Trimethylbenzene	49	50.2		ug/m3		102	65 - 125
sec-Butylbenzene	55	56.5		ug/m3		103	66 - 126
4-Isopropyltoluene	55	56.5		ug/m3		103	67 - 129
1,3-Dichlorobenzene	60	60.8		ug/m3		101	67 - 127
1,4-Dichlorobenzene	60	60.1		ug/m3		100	66 - 126
Benzyl chloride	52	49.6		ug/m3		96	54 - 135
n-Butylbenzene	55	56.9		ug/m3		104	67 - 127
1,2-Dichlorobenzene	60	60.6		ug/m3		101	67 - 127
1,2,4-Trichlorobenzene	74	66.1		ug/m3		89	59 - 126
Hexachlorobutadiene	110	97.9		ug/m3		92	62 - 130
Naphthalene	52	41.3		ug/m3		79	50 - 121

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-128592/4
Matrix: Air
Analysis Batch: 128592

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	0.50	U	0.50	0.20	ppb v/v			04/18/18 12:37	1
Chlorodifluoromethane	0.50	U	0.50	0.26	ppb v/v			04/18/18 12:37	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.068	ppb v/v			04/18/18 12:37	1
Chloromethane	0.50	U	0.50	0.25	ppb v/v			04/18/18 12:37	1
n-Butane	0.50	U	0.50	0.31	ppb v/v			04/18/18 12:37	1
Vinyl chloride	0.035	U	0.035	0.041	ppb v/v			04/18/18 12:37	1
1,3-Butadiene	0.20	U	0.20	0.065	ppb v/v			04/18/18 12:37	1
Bromomethane	0.20	U	0.20	0.062	ppb v/v			04/18/18 12:37	1
Chloroethane	0.50	U	0.50	0.21	ppb v/v			04/18/18 12:37	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.056	ppb v/v			04/18/18 12:37	1
Trichlorofluoromethane	0.20	U	0.20	0.062	ppb v/v			04/18/18 12:37	1
1,1,2-Trichlorotrifluoroethane	0.20	U	0.20	0.031	ppb v/v			04/18/18 12:37	1
1,1-Dichloroethene	0.035	U	0.035	0.034	ppb v/v			04/18/18 12:37	1
Acetone	5.0	U	5.0	2.6	ppb v/v			04/18/18 12:37	1
Isopropyl alcohol	5.0	U	5.0	1.8	ppb v/v			04/18/18 12:37	1
Carbon disulfide	0.50	U	0.50	0.12	ppb v/v			04/18/18 12:37	1
3-Chloropropene	0.50	U	0.50	0.27	ppb v/v			04/18/18 12:37	1
Methylene Chloride	0.50	U	0.50	0.20	ppb v/v			04/18/18 12:37	1
tert-Butyl alcohol	5.0	U	5.0	1.5	ppb v/v			04/18/18 12:37	1
Methyl tert-butyl ether	0.20	U	0.20	0.061	ppb v/v			04/18/18 12:37	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.074	ppb v/v			04/18/18 12:37	1
n-Hexane	0.20	U	0.20	0.16	ppb v/v			04/18/18 12:37	1
1,1-Dichloroethane	0.20	U	0.20	0.026	ppb v/v			04/18/18 12:37	1
Methyl Ethyl Ketone (2-Butanone)	0.50	U	0.50	0.20	ppb v/v			04/18/18 12:37	1
cis-1,2-Dichloroethene	0.035	U	0.035	0.037	ppb v/v			04/18/18 12:37	1
Chloroform	0.20	U	0.20	0.052	ppb v/v			04/18/18 12:37	1
Tetrahydrofuran	5.0	U	5.0	2.6	ppb v/v			04/18/18 12:37	1
1,1,1-Trichloroethane	0.20	U	0.20	0.068	ppb v/v			04/18/18 12:37	1
Cyclohexane	0.20	U	0.20	0.063	ppb v/v			04/18/18 12:37	1
Carbon tetrachloride	0.035	U	0.035	0.024	ppb v/v			04/18/18 12:37	1
2,2,4-Trimethylpentane	0.20	U	0.20	0.088	ppb v/v			04/18/18 12:37	1
Benzene	0.20	U	0.20	0.071	ppb v/v			04/18/18 12:37	1
1,2-Dichloroethane	0.20	U	0.20	0.063	ppb v/v			04/18/18 12:37	1
n-Heptane	0.20	U	0.20	0.14	ppb v/v			04/18/18 12:37	1
Trichloroethene	0.035	U	0.035	0.030	ppb v/v			04/18/18 12:37	1
Methyl methacrylate	0.50	U	0.50	0.22	ppb v/v			04/18/18 12:37	1
1,2-Dichloropropane	0.20	U	0.20	0.12	ppb v/v			04/18/18 12:37	1
1,4-Dioxane	5.0	U	5.0	1.3	ppb v/v			04/18/18 12:37	1
Bromodichloromethane	0.20	U	0.20	0.094	ppb v/v			04/18/18 12:37	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.098	ppb v/v			04/18/18 12:37	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	0.50	U	0.50	0.36	ppb v/v			04/18/18 12:37	1
Toluene	0.20	U	0.20	0.069	ppb v/v			04/18/18 12:37	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.12	ppb v/v			04/18/18 12:37	1
1,1,2-Trichloroethane	0.20	U	0.20	0.078	ppb v/v			04/18/18 12:37	1
Tetrachloroethene	0.20	U	0.20	0.029	ppb v/v			04/18/18 12:37	1
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.42	ppb v/v			04/18/18 12:37	1
Dibromochloromethane	0.20	U	0.20	0.071	ppb v/v			04/18/18 12:37	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-128592/4
Matrix: Air
Analysis Batch: 128592

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	0.20	U	0.20	0.069	ppb v/v			04/18/18 12:37	1
Chlorobenzene	0.20	U	0.20	0.040	ppb v/v			04/18/18 12:37	1
Ethylbenzene	0.20	U	0.20	0.073	ppb v/v			04/18/18 12:37	1
m,p-Xylene	0.50	U	0.50	0.070	ppb v/v			04/18/18 12:37	1
o-Xylene	0.20	U	0.20	0.071	ppb v/v			04/18/18 12:37	1
Styrene	0.20	U	0.20	0.086	ppb v/v			04/18/18 12:37	1
Bromoform	0.20	U	0.20	0.086	ppb v/v			04/18/18 12:37	1
Cumene	0.20	U	0.20	0.059	ppb v/v			04/18/18 12:37	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.076	ppb v/v			04/18/18 12:37	1
n-Propylbenzene	0.20	U	0.20	0.069	ppb v/v			04/18/18 12:37	1
4-Ethyltoluene	0.20	U	0.20	0.069	ppb v/v			04/18/18 12:37	1
1,3,5-Trimethylbenzene	0.20	U	0.20	0.058	ppb v/v			04/18/18 12:37	1
2-Chlorotoluene	0.20	U	0.20	0.071	ppb v/v			04/18/18 12:37	1
tert-Butylbenzene	0.20	U	0.20	0.058	ppb v/v			04/18/18 12:37	1
1,2,4-Trimethylbenzene	0.20	U	0.20	0.080	ppb v/v			04/18/18 12:37	1
sec-Butylbenzene	0.20	U	0.20	0.066	ppb v/v			04/18/18 12:37	1
4-Isopropyltoluene	0.20	U	0.20	0.075	ppb v/v			04/18/18 12:37	1
1,3-Dichlorobenzene	0.20	U	0.20	0.082	ppb v/v			04/18/18 12:37	1
1,4-Dichlorobenzene	0.20	U	0.20	0.065	ppb v/v			04/18/18 12:37	1
Benzyl chloride	0.20	U	0.20	0.12	ppb v/v			04/18/18 12:37	1
n-Butylbenzene	0.20	U	0.20	0.080	ppb v/v			04/18/18 12:37	1
1,2-Dichlorobenzene	0.20	U	0.20	0.071	ppb v/v			04/18/18 12:37	1
1,2,4-Trichlorobenzene	0.50	U	0.50	0.24	ppb v/v			04/18/18 12:37	1
Hexachlorobutadiene	0.20	U	0.20	0.082	ppb v/v			04/18/18 12:37	1
Naphthalene	0.50	U	0.50	0.31	ppb v/v			04/18/18 12:37	1

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	2.5	U	2.5	0.99	ug/m3			04/18/18 12:37	1
Chlorodifluoromethane	1.8	U	1.8	0.92	ug/m3			04/18/18 12:37	1
1,2-Dichlorotetrafluoroethane	1.4	U	1.4	0.48	ug/m3			04/18/18 12:37	1
Chloromethane	1.0	U	1.0	0.52	ug/m3			04/18/18 12:37	1
n-Butane	1.2	U	1.2	0.74	ug/m3			04/18/18 12:37	1
Vinyl chloride	0.089	U	0.089	0.10	ug/m3			04/18/18 12:37	1
1,3-Butadiene	0.44	U	0.44	0.14	ug/m3			04/18/18 12:37	1
Bromomethane	0.78	U	0.78	0.24	ug/m3			04/18/18 12:37	1
Chloroethane	1.3	U	1.3	0.55	ug/m3			04/18/18 12:37	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.24	ug/m3			04/18/18 12:37	1
Trichlorofluoromethane	1.1	U	1.1	0.35	ug/m3			04/18/18 12:37	1
1,1,2-Trichlorotrifluoroethane	1.5	U	1.5	0.24	ug/m3			04/18/18 12:37	1
1,1-Dichloroethene	0.14	U	0.14	0.13	ug/m3			04/18/18 12:37	1
Acetone	12	U	12	6.2	ug/m3			04/18/18 12:37	1
Isopropyl alcohol	12	U	12	4.4	ug/m3			04/18/18 12:37	1
Carbon disulfide	1.6	U	1.6	0.37	ug/m3			04/18/18 12:37	1
3-Chloropropene	1.6	U	1.6	0.85	ug/m3			04/18/18 12:37	1
Methylene Chloride	1.7	U	1.7	0.69	ug/m3			04/18/18 12:37	1
tert-Butyl alcohol	15	U	15	4.5	ug/m3			04/18/18 12:37	1
Methyl tert-butyl ether	0.72	U	0.72	0.22	ug/m3			04/18/18 12:37	1
trans-1,2-Dichloroethene	0.79	U	0.79	0.29	ug/m3			04/18/18 12:37	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-128592/4
Matrix: Air
Analysis Batch: 128592

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Hexane	0.70	U	0.70	0.56	ug/m3			04/18/18 12:37	1
1,1-Dichloroethane	0.81	U	0.81	0.11	ug/m3			04/18/18 12:37	1
Methyl Ethyl Ketone (2-Butanone)	1.5	U	1.5	0.59	ug/m3			04/18/18 12:37	1
cis-1,2-Dichloroethene	0.14	U	0.14	0.15	ug/m3			04/18/18 12:37	1
Chloroform	0.98	U	0.98	0.25	ug/m3			04/18/18 12:37	1
Tetrahydrofuran	15	U	15	7.7	ug/m3			04/18/18 12:37	1
1,1,1-Trichloroethane	1.1	U	1.1	0.37	ug/m3			04/18/18 12:37	1
Cyclohexane	0.69	U	0.69	0.22	ug/m3			04/18/18 12:37	1
Carbon tetrachloride	0.22	U	0.22	0.15	ug/m3			04/18/18 12:37	1
2,2,4-Trimethylpentane	0.93	U	0.93	0.41	ug/m3			04/18/18 12:37	1
Benzene	0.64	U	0.64	0.23	ug/m3			04/18/18 12:37	1
1,2-Dichloroethane	0.81	U	0.81	0.25	ug/m3			04/18/18 12:37	1
n-Heptane	0.82	U	0.82	0.57	ug/m3			04/18/18 12:37	1
Trichloroethene	0.19	U	0.19	0.16	ug/m3			04/18/18 12:37	1
Methyl methacrylate	2.0	U	2.0	0.90	ug/m3			04/18/18 12:37	1
1,2-Dichloropropane	0.92	U	0.92	0.55	ug/m3			04/18/18 12:37	1
1,4-Dioxane	18	U	18	4.7	ug/m3			04/18/18 12:37	1
Bromodichloromethane	1.3	U	1.3	0.63	ug/m3			04/18/18 12:37	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.44	ug/m3			04/18/18 12:37	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	2.0	U	2.0	1.5	ug/m3			04/18/18 12:37	1
Toluene	0.75	U	0.75	0.26	ug/m3			04/18/18 12:37	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.54	ug/m3			04/18/18 12:37	1
1,1,2-Trichloroethane	1.1	U	1.1	0.43	ug/m3			04/18/18 12:37	1
Tetrachloroethene	1.4	U	1.4	0.20	ug/m3			04/18/18 12:37	1
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0	1.7	ug/m3			04/18/18 12:37	1
Dibromochloromethane	1.7	U	1.7	0.60	ug/m3			04/18/18 12:37	1
1,2-Dibromoethane	1.5	U	1.5	0.53	ug/m3			04/18/18 12:37	1
Chlorobenzene	0.92	U	0.92	0.18	ug/m3			04/18/18 12:37	1
Ethylbenzene	0.87	U	0.87	0.32	ug/m3			04/18/18 12:37	1
m,p-Xylene	2.2	U	2.2	0.30	ug/m3			04/18/18 12:37	1
o-Xylene	0.87	U	0.87	0.31	ug/m3			04/18/18 12:37	1
Styrene	0.85	U	0.85	0.37	ug/m3			04/18/18 12:37	1
Bromoform	2.1	U	2.1	0.89	ug/m3			04/18/18 12:37	1
Cumene	0.98	U	0.98	0.29	ug/m3			04/18/18 12:37	1
1,1,2,2-Tetrachloroethane	1.4	U	1.4	0.52	ug/m3			04/18/18 12:37	1
n-Propylbenzene	0.98	U	0.98	0.34	ug/m3			04/18/18 12:37	1
4-Ethyltoluene	0.98	U	0.98	0.34	ug/m3			04/18/18 12:37	1
1,3,5-Trimethylbenzene	0.98	U	0.98	0.29	ug/m3			04/18/18 12:37	1
2-Chlorotoluene	1.0	U	1.0	0.37	ug/m3			04/18/18 12:37	1
tert-Butylbenzene	1.1	U	1.1	0.32	ug/m3			04/18/18 12:37	1
1,2,4-Trimethylbenzene	0.98	U	0.98	0.39	ug/m3			04/18/18 12:37	1
sec-Butylbenzene	1.1	U	1.1	0.36	ug/m3			04/18/18 12:37	1
4-Isopropyltoluene	1.1	U	1.1	0.41	ug/m3			04/18/18 12:37	1
1,3-Dichlorobenzene	1.2	U	1.2	0.49	ug/m3			04/18/18 12:37	1
1,4-Dichlorobenzene	1.2	U	1.2	0.39	ug/m3			04/18/18 12:37	1
Benzyl chloride	1.0	U	1.0	0.62	ug/m3			04/18/18 12:37	1
n-Butylbenzene	1.1	U	1.1	0.44	ug/m3			04/18/18 12:37	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-128592/4
Matrix: Air
Analysis Batch: 128592

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	1.2	U	1.2	0.43	ug/m3			04/18/18 12:37	1
1,2,4-Trichlorobenzene	3.7	U	3.7	1.8	ug/m3			04/18/18 12:37	1
Hexachlorobutadiene	2.1	U	2.1	0.87	ug/m3			04/18/18 12:37	1
Naphthalene	2.6	U	2.6	1.6	ug/m3			04/18/18 12:37	1

Lab Sample ID: LCS 200-128592/3
Matrix: Air
Analysis Batch: 128592

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorodifluoromethane	10.0	8.49		ppb v/v		85	68 - 128
Chlorodifluoromethane	10.0	8.55		ppb v/v		85	64 - 128
1,2-Dichlorotetrafluoroethane	10.0	9.28		ppb v/v		93	78 - 138
Chloromethane	10.0	8.43		ppb v/v		84	57 - 126
n-Butane	10.0	8.55		ppb v/v		86	56 - 130
Vinyl chloride	10.0	7.68		ppb v/v		77	62 - 125
1,3-Butadiene	10.0	7.57		ppb v/v		76	59 - 125
Bromomethane	10.0	8.59		ppb v/v		86	68 - 128
Chloroethane	10.0	8.77		ppb v/v		88	65 - 125
Bromoethene(Vinyl Bromide)	10.0	8.64		ppb v/v		86	67 - 127
Trichlorofluoromethane	10.0	8.25		ppb v/v		83	67 - 127
1,1,2-Trichlorotrifluoroethane	10.0	8.61		ppb v/v		86	68 - 128
1,1-Dichloroethene	10.0	8.03		ppb v/v		80	67 - 127
Acetone	10.0	9.61		ppb v/v		96	64 - 136
Isopropyl alcohol	10.0	8.45		ppb v/v		85	55 - 124
Carbon disulfide	10.0	10.2		ppb v/v		102	81 - 141
3-Chloropropene	10.0	8.72		ppb v/v		87	53 - 133
Methylene Chloride	10.0	8.56		ppb v/v		86	62 - 122
tert-Butyl alcohol	10.0	8.93		ppb v/v		89	64 - 124
Methyl tert-butyl ether	10.0	8.65		ppb v/v		87	67 - 127
trans-1,2-Dichloroethene	10.0	9.05		ppb v/v		91	72 - 132
n-Hexane	10.0	8.53		ppb v/v		85	71 - 131
1,1-Dichloroethane	10.0	8.16		ppb v/v		82	66 - 126
Methyl Ethyl Ketone (2-Butanone)	10.0	9.19		ppb v/v		92	62 - 122
cis-1,2-Dichloroethene	10.0	8.08		ppb v/v		81	67 - 127
Chloroform	10.0	8.54		ppb v/v		85	69 - 129
Tetrahydrofuran	10.0	9.41		ppb v/v		94	61 - 136
1,1,1-Trichloroethane	10.0	8.38		ppb v/v		84	70 - 130
Cyclohexane	10.0	8.73		ppb v/v		87	69 - 129
Carbon tetrachloride	10.0	8.25		ppb v/v		82	62 - 143
2,2,4-Trimethylpentane	10.0	8.46		ppb v/v		85	67 - 127
Benzene	10.0	8.34		ppb v/v		83	67 - 127
1,2-Dichloroethane	10.0	8.18		ppb v/v		82	67 - 132
n-Heptane	10.0	8.24		ppb v/v		82	62 - 130
Trichloroethene	10.0	8.09		ppb v/v		81	68 - 128
Methyl methacrylate	10.0	9.13		ppb v/v		91	70 - 130
1,2-Dichloropropane	10.0	8.34		ppb v/v		83	67 - 127
1,4-Dioxane	10.0	8.74		ppb v/v		87	66 - 132

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-128592/3
Matrix: Air
Analysis Batch: 128592

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromodichloromethane	10.0	8.43		ppb v/v		84	69 - 129
cis-1,3-Dichloropropene	10.0	8.68		ppb v/v		87	70 - 130
4-Methyl-2-pentanone (Methyl isobutyl ketone)	10.0	8.53		ppb v/v		85	62 - 130
Toluene	10.0	8.54		ppb v/v		85	67 - 127
trans-1,3-Dichloropropene	10.0	8.68		ppb v/v		87	69 - 129
1,1,2-Trichloroethane	10.0	8.70		ppb v/v		87	69 - 129
Tetrachloroethene	10.0	8.32		ppb v/v		83	70 - 130
Methyl Butyl Ketone (2-Hexanone)	10.0	8.47		ppb v/v		85	61 - 127
Dibromochloromethane	10.0	8.91		ppb v/v		89	66 - 130
1,2-Dibromoethane	10.0	8.76		ppb v/v		88	70 - 130
Chlorobenzene	10.0	8.68		ppb v/v		87	68 - 128
Ethylbenzene	10.0	8.46		ppb v/v		85	68 - 128
m,p-Xylene	20.0	17.4		ppb v/v		87	68 - 128
o-Xylene	10.0	8.42		ppb v/v		84	67 - 127
Styrene	10.0	8.64		ppb v/v		86	68 - 128
Bromoform	10.0	9.80		ppb v/v		98	34 - 170
Cumene	10.0	8.57		ppb v/v		86	67 - 127
1,1,2,2-Tetrachloroethane	10.0	8.71		ppb v/v		87	69 - 129
n-Propylbenzene	10.0	8.55		ppb v/v		86	67 - 127
4-Ethyltoluene	10.0	8.78		ppb v/v		88	69 - 129
1,3,5-Trimethylbenzene	10.0	8.59		ppb v/v		86	65 - 125
2-Chlorotoluene	10.0	8.45		ppb v/v		85	67 - 127
tert-Butylbenzene	10.0	8.59		ppb v/v		86	63 - 125
1,2,4-Trimethylbenzene	10.0	8.53		ppb v/v		85	65 - 125
sec-Butylbenzene	10.0	8.53		ppb v/v		85	66 - 126
4-Isopropyltoluene	10.0	8.37		ppb v/v		84	67 - 129
1,3-Dichlorobenzene	10.0	8.52		ppb v/v		85	67 - 127
1,4-Dichlorobenzene	10.0	8.52		ppb v/v		85	66 - 126
Benzyl chloride	10.0	8.17		ppb v/v		82	54 - 135
n-Butylbenzene	10.0	7.99		ppb v/v		80	67 - 127
1,2-Dichlorobenzene	10.0	8.47		ppb v/v		85	67 - 127
1,2,4-Trichlorobenzene	10.0	7.42		ppb v/v		74	59 - 126
Hexachlorobutadiene	10.0	8.21		ppb v/v		82	62 - 130
Naphthalene	10.0	6.03		ppb v/v		60	50 - 121

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorodifluoromethane	49	42.0		ug/m3		85	68 - 128
Chlorodifluoromethane	35	30.2		ug/m3		85	64 - 128
1,2-Dichlorotetrafluoroethane	70	64.8		ug/m3		93	78 - 138
Chloromethane	21	17.4		ug/m3		84	57 - 126
n-Butane	24	20.3		ug/m3		86	56 - 130
Vinyl chloride	26	19.6		ug/m3		77	62 - 125
1,3-Butadiene	22	16.8		ug/m3		76	59 - 125
Bromomethane	39	33.4		ug/m3		86	68 - 128
Chloroethane	26	23.2		ug/m3		88	65 - 125
Bromoethene(Vinyl Bromide)	44	37.8		ug/m3		86	67 - 127
Trichlorofluoromethane	56	46.4		ug/m3		83	67 - 127

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-128592/3
Matrix: Air
Analysis Batch: 128592

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2-Trichlorotrifluoroethane	77	66.0		ug/m3		86	68 - 128
1,1-Dichloroethene	40	31.8		ug/m3		80	67 - 127
Acetone	24	22.8		ug/m3		96	64 - 136
Isopropyl alcohol	25	20.8		ug/m3		85	55 - 124
Carbon disulfide	31	31.8		ug/m3		102	81 - 141
3-Chloropropene	31	27.3		ug/m3		87	53 - 133
Methylene Chloride	35	29.7		ug/m3		86	62 - 122
tert-Butyl alcohol	30	27.1		ug/m3		89	64 - 124
Methyl tert-butyl ether	36	31.2		ug/m3		87	67 - 127
trans-1,2-Dichloroethene	40	35.9		ug/m3		91	72 - 132
n-Hexane	35	30.1		ug/m3		85	71 - 131
1,1-Dichloroethane	40	33.0		ug/m3		82	66 - 126
Methyl Ethyl Ketone (2-Butanone)	29	27.1		ug/m3		92	62 - 122
cis-1,2-Dichloroethene	40	32.0		ug/m3		81	67 - 127
Chloroform	49	41.7		ug/m3		85	69 - 129
Tetrahydrofuran	29	27.7		ug/m3		94	61 - 136
1,1,1-Trichloroethane	55	45.7		ug/m3		84	70 - 130
Cyclohexane	34	30.1		ug/m3		87	69 - 129
Carbon tetrachloride	63	51.9		ug/m3		82	62 - 143
2,2,4-Trimethylpentane	47	39.5		ug/m3		85	67 - 127
Benzene	32	26.6		ug/m3		83	67 - 127
1,2-Dichloroethane	40	33.1		ug/m3		82	67 - 132
n-Heptane	41	33.8		ug/m3		82	62 - 130
Trichloroethene	54	43.5		ug/m3		81	68 - 128
Methyl methacrylate	41	37.4		ug/m3		91	70 - 130
1,2-Dichloropropane	46	38.6		ug/m3		83	67 - 127
1,4-Dioxane	36	31.5		ug/m3		87	66 - 132
Bromodichloromethane	67	56.5		ug/m3		84	69 - 129
cis-1,3-Dichloropropene	45	39.4		ug/m3		87	70 - 130
4-Methyl-2-pentanone (Methyl isobutyl ketone)	41	34.9		ug/m3		85	62 - 130
Toluene	38	32.2		ug/m3		85	67 - 127
trans-1,3-Dichloropropene	45	39.4		ug/m3		87	69 - 129
1,1,2-Trichloroethane	55	47.5		ug/m3		87	69 - 129
Tetrachloroethene	68	56.5		ug/m3		83	70 - 130
Methyl Butyl Ketone (2-Hexanone)	41	34.7		ug/m3		85	61 - 127
Dibromochloromethane	85	75.9		ug/m3		89	66 - 130
1,2-Dibromoethane	77	67.3		ug/m3		88	70 - 130
Chlorobenzene	46	40.0		ug/m3		87	68 - 128
Ethylbenzene	43	36.8		ug/m3		85	68 - 128
m,p-Xylene	87	75.5		ug/m3		87	68 - 128
o-Xylene	43	36.5		ug/m3		84	67 - 127
Styrene	43	36.8		ug/m3		86	68 - 128
Bromoform	100	101		ug/m3		98	34 - 170
Cumene	49	42.1		ug/m3		86	67 - 127
1,1,2,2-Tetrachloroethane	69	59.8		ug/m3		87	69 - 129
n-Propylbenzene	49	42.1		ug/m3		86	67 - 127

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-128592/3
Matrix: Air
Analysis Batch: 128592

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Ethyltoluene	49	43.2		ug/m3		88	69 - 129
1,3,5-Trimethylbenzene	49	42.2		ug/m3		86	65 - 125
2-Chlorotoluene	52	43.8		ug/m3		85	67 - 127
tert-Butylbenzene	55	47.2		ug/m3		86	63 - 125
1,2,4-Trimethylbenzene	49	41.9		ug/m3		85	65 - 125
sec-Butylbenzene	55	46.8		ug/m3		85	66 - 126
4-Isopropyltoluene	55	46.0		ug/m3		84	67 - 129
1,3-Dichlorobenzene	60	51.2		ug/m3		85	67 - 127
1,4-Dichlorobenzene	60	51.2		ug/m3		85	66 - 126
Benzyl chloride	52	42.3		ug/m3		82	54 - 135
n-Butylbenzene	55	43.8		ug/m3		80	67 - 127
1,2-Dichlorobenzene	60	50.9		ug/m3		85	67 - 127
1,2,4-Trichlorobenzene	74	55.1		ug/m3		74	59 - 126
Hexachlorobutadiene	110	87.6		ug/m3		82	62 - 130
Naphthalene	52	31.6		ug/m3		60	50 - 121

Qualifiers

Air - GC/MS VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL. The data are considered valid because the absolute difference is less than the RL.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Air - GC/MS VOA

Analysis Batch: 128485

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
200-43091-1	SV001	Total/NA	Air	TO-15	
200-43091-3	SV003	Total/NA	Air	TO-15	
MB 200-128485/4	Method Blank	Total/NA	Air	TO-15	
LCS 200-128485/3	Lab Control Sample	Total/NA	Air	TO-15	
200-43091-1 DU	SV001	Total/NA	Air	TO-15	

Analysis Batch: 128526

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
200-43091-4	SV004	Total/NA	Air	TO-15	
MB 200-128526/4	Method Blank	Total/NA	Air	TO-15	
LCS 200-128526/3	Lab Control Sample	Total/NA	Air	TO-15	

Analysis Batch: 128592

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
200-43091-2	SV002	Total/NA	Air	TO-15	
200-43091-5	AMBIENT	Total/NA	Air	TO-15	
MB 200-128592/4	Method Blank	Total/NA	Air	TO-15	
LCS 200-128592/3	Lab Control Sample	Total/NA	Air	TO-15	

Lab Chronicle

Client: PW Grosser Consulting
Project/Site: Yaphank Superfund site

TestAmerica Job ID: 200-43091-1
SDG: 200-43091-1

Client Sample ID: SV001
Date Collected: 04/13/18 11:35
Date Received: 04/14/18 12:05

Lab Sample ID: 200-43091-1
Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	128485	04/16/18 23:01	VTP	TAL BUR

Client Sample ID: SV002
Date Collected: 04/13/18 12:40
Date Received: 04/14/18 12:05

Lab Sample ID: 200-43091-2
Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		4	128592	04/18/18 14:23	K1P	TAL BUR

Client Sample ID: SV003
Date Collected: 04/13/18 11:50
Date Received: 04/14/18 12:05

Lab Sample ID: 200-43091-3
Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	128485	04/17/18 01:39	VTP	TAL BUR

Client Sample ID: SV004
Date Collected: 04/13/18 11:25
Date Received: 04/14/18 12:05

Lab Sample ID: 200-43091-4
Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		2	128526	04/17/18 20:55	A1B	TAL BUR

Client Sample ID: AMBIENT
Date Collected: 04/13/18 12:05
Date Received: 04/14/18 12:05

Lab Sample ID: 200-43091-5
Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	128592	04/18/18 17:02	K1P	TAL BUR

Laboratory References:

TAL BUR = TestAmerica Burlington, 30 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Accreditation/Certification Summary

Client: PW Grosser Consulting
Project/Site: Yaphank Superfund site

TestAmerica Job ID: 200-43091-1
SDG: 200-43091-1

Laboratory: TestAmerica Burlington

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	EPA Region	Identification Number	Expiration Date
New Jersey	NELAP	2	VT972	06-30-18

The following analytes are included in this report, but are not accredited/certified under this accreditation/certification:

Analysis Method	Prep Method	Matrix	Analyte
TO-15		Air	4-Isopropyltoluene
TO-15		Air	Chlorodifluoromethane
TO-15		Air	Cumene
TO-15		Air	n-Butane
TO-15		Air	n-Butylbenzene
TO-15		Air	n-Propylbenzene
TO-15		Air	sec-Butylbenzene
TO-15		Air	tert-Butylbenzene

Method TO15

Volatile Organic Compounds (GC/MS) by Method TO15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-43091-1

SDG No.: 200-43091-1

Matrix: Air Level: Low Lab File ID: 30117-03.D

Lab ID: LCS 200-128485/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Dichlorodifluoromethane	10.0	9.13	91	68-128	
Chlorodifluoromethane	10.0	9.51	95	64-128	
1,2-Dichlorotetrafluoroethane	10.0	9.87	99	78-138	
Chloromethane	10.0	9.24	92	57-126	
n-Butane	10.0	9.53	95	56-130	
Vinyl chloride	10.0	8.27	83	62-125	
1,3-Butadiene	10.0	8.38	84	59-125	
Bromomethane	10.0	8.85	89	68-128	
Chloroethane	10.0	9.24	92	65-125	
Bromoethene(Vinyl Bromide)	10.0	8.69	87	67-127	
Trichlorofluoromethane	10.0	8.61	86	67-127	
1,1,2-Trichlorotrifluoroethane	10.0	8.80	88	68-128	
1,1-Dichloroethene	10.0	8.15	82	67-127	
Acetone	10.0	10.6	106	64-136	
Isopropyl alcohol	10.0	9.20	92	55-124	
Carbon disulfide	10.0	10.6	106	81-141	
3-Chloropropene	10.0	9.77	98	53-133	
Methylene Chloride	10.0	9.39	94	62-122	
tert-Butyl alcohol	10.0	9.42	94	64-124	
Methyl tert-butyl ether	10.0	9.06	91	67-127	
trans-1,2-Dichloroethene	10.0	9.60	96	72-132	
n-Hexane	10.0	8.98	90	71-131	
1,1-Dichloroethane	10.0	8.64	86	66-126	
Methyl Ethyl Ketone (2-Butanone)	10.0	9.50	95	62-122	
cis-1,2-Dichloroethene	10.0	8.16	82	67-127	
Chloroform	10.0	8.84	88	69-129	
Tetrahydrofuran	10.0	10.3	103	61-136	
1,1,1-Trichloroethane	10.0	8.75	88	70-130	
Cyclohexane	10.0	8.92	89	69-129	
Carbon tetrachloride	10.0	8.51	85	62-143	
2,2,4-Trimethylpentane	10.0	8.95	90	67-127	
Benzene	10.0	8.54	85	67-127	
1,2-Dichloroethane	10.0	8.89	89	67-132	
n-Heptane	10.0	8.97	90	62-130	
Trichloroethene	10.0	8.23	82	68-128	
Methyl methacrylate	10.0	9.35	94	70-130	
1,2-Dichloropropane	10.0	8.77	88	67-127	
1,4-Dioxane	10.0	8.93	89	66-132	
Bromodichloromethane	10.0	8.83	88	69-129	
cis-1,3-Dichloropropene	10.0	8.98	90	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-43091-1

SDG No.: 200-43091-1

Matrix: Air Level: Low Lab File ID: 30117-03.D

Lab ID: LCS 200-128485/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
4-Methyl-2-pentanone (Methyl isobutyl ketone)	10.0	9.33	93	62-130	
Toluene	10.0	8.65	86	67-127	
trans-1,3-Dichloropropene	10.0	9.08	91	69-129	
1,1,2-Trichloroethane	10.0	8.96	90	69-129	
Tetrachloroethene	10.0	8.08	81	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	9.24	92	61-127	
Dibromochloromethane	10.0	8.97	90	66-130	
1,2-Dibromoethane	10.0	8.85	88	70-130	
Chlorobenzene	10.0	8.69	87	68-128	
Ethylbenzene	10.0	8.63	86	68-128	
m,p-Xylene	20.0	17.4	87	68-128	
o-Xylene	10.0	8.47	85	67-127	
Styrene	10.0	8.73	87	68-128	
Bromoform	10.0	9.71	97	34-170	
Cumene	10.0	8.62	86	67-127	
1,1,2,2-Tetrachloroethane	10.0	8.89	89	69-129	
n-Propylbenzene	10.0	8.76	88	67-127	
4-Ethyltoluene	10.0	8.85	88	69-129	
1,3,5-Trimethylbenzene	10.0	8.71	87	65-125	
2-Chlorotoluene	10.0	8.61	86	67-127	
tert-Butylbenzene	10.0	8.66	87	63-125	
1,2,4-Trimethylbenzene	10.0	8.65	86	65-125	
sec-Butylbenzene	10.0	8.61	86	66-126	
4-Isopropyltoluene	10.0	8.48	85	67-129	
1,3-Dichlorobenzene	10.0	8.45	85	67-127	
1,4-Dichlorobenzene	10.0	8.43	84	66-126	
Benzyl chloride	10.0	8.45	85	54-135	
n-Butylbenzene	10.0	8.28	83	67-127	
1,2-Dichlorobenzene	10.0	8.39	84	67-127	
1,2,4-Trichlorobenzene	10.0	7.21	72	59-126	
Hexachlorobutadiene	10.0	8.04	80	62-130	
Naphthalene	10.0	5.90	59	50-121	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-43091-1

SDG No.: 200-43091-1

Matrix: Air Level: Low Lab File ID: 30131_03.D

Lab ID: LCS 200-128526/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Dichlorodifluoromethane	10.0	8.77	88	68-128	
Chlorodifluoromethane	10.0	10.3	103	64-128	
1,2-Dichlorotetrafluoroethane	10.0	11.4	114	78-138	
Chloromethane	10.0	9.93	99	57-126	
n-Butane	10.0	10.5	105	56-130	
Vinyl chloride	10.0	10.1	101	62-125	
1,3-Butadiene	10.0	9.87	99	59-125	
Bromomethane	10.0	10.2	102	68-128	
Chloroethane	10.0	10.3	103	65-125	
Bromoethene(Vinyl Bromide)	10.0	10.1	101	67-127	
Trichlorofluoromethane	10.0	9.77	98	67-127	
1,1,2-Trichlorotrifluoroethane	10.0	10.3	103	68-128	
1,1-Dichloroethene	10.0	9.89	99	67-127	
Acetone	10.0	11.1	111	64-136	
Isopropyl alcohol	10.0	10.0	100	55-124	
Carbon disulfide	10.0	12.1	121	81-141	
3-Chloropropene	10.0	11.4	114	53-133	
Methylene Chloride	10.0	10.7	107	62-122	
tert-Butyl alcohol	10.0	10.2	102	64-124	
Methyl tert-butyl ether	10.0	10.4	104	67-127	
trans-1,2-Dichloroethene	10.0	11.0	110	72-132	
n-Hexane	10.0	11.4	114	71-131	
1,1-Dichloroethane	10.0	10.5	105	66-126	
Methyl Ethyl Ketone (2-Butanone)	10.0	10.3	103	62-122	
cis-1,2-Dichloroethene	10.0	10.4	104	67-127	
Chloroform	10.0	10.2	102	69-129	
Tetrahydrofuran	10.0	10.9	109	61-136	
1,1,1-Trichloroethane	10.0	10.1	101	70-130	
Cyclohexane	10.0	10.2	102	69-129	
Carbon tetrachloride	10.0	9.82	98	62-143	
2,2,4-Trimethylpentane	10.0	10.3	103	67-127	
Benzene	10.0	10.2	102	67-127	
1,2-Dichloroethane	10.0	10.0	100	67-132	
n-Heptane	10.0	10.4	104	62-130	
Trichloroethene	10.0	9.73	97	68-128	
Methyl methacrylate	10.0	10.3	103	70-130	
1,2-Dichloropropane	10.0	10.3	103	67-127	
1,4-Dioxane	10.0	10.0	100	66-132	
Bromodichloromethane	10.0	10.2	102	69-129	
cis-1,3-Dichloropropene	10.0	10.3	103	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-43091-1

SDG No.: 200-43091-1

Matrix: Air Level: Low Lab File ID: 30131_03.D

Lab ID: LCS 200-128526/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
4-Methyl-2-pentanone (Methyl isobutyl ketone)	10.0	10.1	101	62-130	
Toluene	10.0	10.2	102	67-127	
trans-1,3-Dichloropropene	10.0	9.39	94	69-129	
1,1,2-Trichloroethane	10.0	10.5	105	69-129	
Tetrachloroethene	10.0	9.63	96	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	10.2	102	61-127	
Dibromochloromethane	10.0	10.2	102	66-130	
1,2-Dibromoethane	10.0	10.5	105	70-130	
Chlorobenzene	10.0	10.2	102	68-128	
Ethylbenzene	10.0	10.3	103	68-128	
m,p-Xylene	20.0	20.2	101	68-128	
o-Xylene	10.0	9.89	99	67-127	
Styrene	10.0	10.1	101	68-128	
Bromoform	10.0	10.6	106	34-170	
Cumene	10.0	9.97	100	67-127	
1,1,2,2-Tetrachloroethane	10.0	10.6	106	69-129	
n-Propylbenzene	10.0	10.2	102	67-127	
4-Ethyltoluene	10.0	10.5	105	69-129	
1,3,5-Trimethylbenzene	10.0	10.1	101	65-125	
2-Chlorotoluene	10.0	10.3	103	67-127	
tert-Butylbenzene	10.0	10.1	101	63-125	
1,2,4-Trimethylbenzene	10.0	10.2	102	65-125	
sec-Butylbenzene	10.0	10.3	103	66-126	
4-Isopropyltoluene	10.0	10.3	103	67-129	
1,3-Dichlorobenzene	10.0	10.1	101	67-127	
1,4-Dichlorobenzene	10.0	9.99	100	66-126	
Benzyl chloride	10.0	9.58	96	54-135	
n-Butylbenzene	10.0	10.4	104	67-127	
1,2-Dichlorobenzene	10.0	10.1	101	67-127	
1,2,4-Trichlorobenzene	10.0	8.90	89	59-126	
Hexachlorobutadiene	10.0	9.18	92	62-130	
Naphthalene	10.0	7.88	79	50-121	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-43091-1

SDG No.: 200-43091-1

Matrix: Air Level: Low Lab File ID: 30158-03.D

Lab ID: LCS 200-128592/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Dichlorodifluoromethane	10.0	8.49	85	68-128	
Chlorodifluoromethane	10.0	8.55	85	64-128	
1,2-Dichlorotetrafluoroethane	10.0	9.28	93	78-138	
Chloromethane	10.0	8.43	84	57-126	
n-Butane	10.0	8.55	86	56-130	
Vinyl chloride	10.0	7.68	77	62-125	
1,3-Butadiene	10.0	7.57	76	59-125	
Bromomethane	10.0	8.59	86	68-128	
Chloroethane	10.0	8.77	88	65-125	
Bromoethene(Vinyl Bromide)	10.0	8.64	86	67-127	
Trichlorofluoromethane	10.0	8.25	83	67-127	
1,1,2-Trichlorotrifluoroethane	10.0	8.61	86	68-128	
1,1-Dichloroethene	10.0	8.03	80	67-127	
Acetone	10.0	9.61	96	64-136	
Isopropyl alcohol	10.0	8.45	85	55-124	
Carbon disulfide	10.0	10.2	102	81-141	
3-Chloropropene	10.0	8.72	87	53-133	
Methylene Chloride	10.0	8.56	86	62-122	
tert-Butyl alcohol	10.0	8.93	89	64-124	
Methyl tert-butyl ether	10.0	8.65	87	67-127	
trans-1,2-Dichloroethene	10.0	9.05	91	72-132	
n-Hexane	10.0	8.53	85	71-131	
1,1-Dichloroethane	10.0	8.16	82	66-126	
Methyl Ethyl Ketone (2-Butanone)	10.0	9.19	92	62-122	
cis-1,2-Dichloroethene	10.0	8.08	81	67-127	
Chloroform	10.0	8.54	85	69-129	
Tetrahydrofuran	10.0	9.41	94	61-136	
1,1,1-Trichloroethane	10.0	8.38	84	70-130	
Cyclohexane	10.0	8.73	87	69-129	
Carbon tetrachloride	10.0	8.25	82	62-143	
2,2,4-Trimethylpentane	10.0	8.46	85	67-127	
Benzene	10.0	8.34	83	67-127	
1,2-Dichloroethane	10.0	8.18	82	67-132	
n-Heptane	10.0	8.24	82	62-130	
Trichloroethene	10.0	8.09	81	68-128	
Methyl methacrylate	10.0	9.13	91	70-130	
1,2-Dichloropropane	10.0	8.34	83	67-127	
1,4-Dioxane	10.0	8.74	87	66-132	
Bromodichloromethane	10.0	8.43	84	69-129	
cis-1,3-Dichloropropene	10.0	8.68	87	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-43091-1

SDG No.: 200-43091-1

Matrix: Air Level: Low Lab File ID: 30158-03.D

Lab ID: LCS 200-128592/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
4-Methyl-2-pentanone (Methyl isobutyl ketone)	10.0	8.53	85	62-130	
Toluene	10.0	8.54	85	67-127	
trans-1,3-Dichloropropene	10.0	8.68	87	69-129	
1,1,2-Trichloroethane	10.0	8.70	87	69-129	
Tetrachloroethene	10.0	8.32	83	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	8.47	85	61-127	
Dibromochloromethane	10.0	8.91	89	66-130	
1,2-Dibromoethane	10.0	8.76	88	70-130	
Chlorobenzene	10.0	8.68	87	68-128	
Ethylbenzene	10.0	8.46	85	68-128	
m,p-Xylene	20.0	17.4	87	68-128	
o-Xylene	10.0	8.42	84	67-127	
Styrene	10.0	8.64	86	68-128	
Bromoform	10.0	9.80	98	34-170	
Cumene	10.0	8.57	86	67-127	
1,1,2,2-Tetrachloroethane	10.0	8.71	87	69-129	
n-Propylbenzene	10.0	8.55	86	67-127	
4-Ethyltoluene	10.0	8.78	88	69-129	
1,3,5-Trimethylbenzene	10.0	8.59	86	65-125	
2-Chlorotoluene	10.0	8.45	85	67-127	
tert-Butylbenzene	10.0	8.59	86	63-125	
1,2,4-Trimethylbenzene	10.0	8.53	85	65-125	
sec-Butylbenzene	10.0	8.53	85	66-126	
4-Isopropyltoluene	10.0	8.37	84	67-129	
1,3-Dichlorobenzene	10.0	8.52	85	67-127	
1,4-Dichlorobenzene	10.0	8.52	85	66-126	
Benzyl chloride	10.0	8.17	82	54-135	
n-Butylbenzene	10.0	7.99	80	67-127	
1,2-Dichlorobenzene	10.0	8.47	85	67-127	
1,2,4-Trichlorobenzene	10.0	7.42	74	59-126	
Hexachlorobutadiene	10.0	8.21	82	62-130	
Naphthalene	10.0	6.03	60	50-121	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-43091-1

SDG No.: 200-43091-1

Lab File ID: 30117-04.D Lab Sample ID: MB 200-128485/4

Matrix: Air Heated Purge:(Y/N) N

Instrument ID: CHB.i Date Analyzed: 04/16/2018 12:04

GC Column: RTX-624 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-128485/3	30117-03.D	04/16/2018 11:11
SV001	200-43091-1	30117-16.D	04/16/2018 23:01
SV001 DU	200-43091-1 DU	30117-17.D	04/16/2018 23:54
SV003	200-43091-3	30117-19.D	04/17/2018 01:39

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-43091-1

SDG No.: 200-43091-1

Lab File ID: 30131_04.D Lab Sample ID: MB 200-128526/4

Matrix: Air Heated Purge:(Y/N) N

Instrument ID: CHX.i Date Analyzed: 04/17/2018 11:39

GC Column: RTX-624 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-128526/3	30131_03.D	04/17/2018 10:48
SV004	200-43091-4	30131_15.D	04/17/2018 20:55

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-43091-1

SDG No.: 200-43091-1

Lab File ID: 30158-04.D Lab Sample ID: MB 200-128592/4

Matrix: Air Heated Purge:(Y/N) N

Instrument ID: CHB.i Date Analyzed: 04/18/2018 12:37

GC Column: RTX-624 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-128592/3	30158-03.D	04/18/2018 11:44
SV002	200-43091-2	30158-06.D	04/18/2018 14:23
AMBIENT	200-43091-5	30158-09.D	04/18/2018 17:02

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-43091-1

SDG No.: 200-43091-1

Lab File ID: 29969-01.D BFB Injection Date: 04/05/2018

Instrument ID: CHB.i BFB Injection Time: 16:19

Analysis Batch No.: 128188

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	14.7	
75	30.0 - 66.0% of mass 95	42.0	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	7.8	
173	Less than 2.0% of mass 174	0.0	(0.0) 1
174	50.0 - 120.0% of mass 95	93.5	
175	4.0 - 9.0 % of mass 174	7.8	(8.3) 1
176	93.0 - 101.0% of mass 174	90.9	(97.2) 1
177	5.0 - 9.0% of mass 176	7.1	(7.8) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 200-128188/3	29969-03.D	04/05/2018	18:04
	IC 200-128188/4	29969-04.D	04/05/2018	18:58
	IC 200-128188/6	29969-06.D	04/05/2018	20:44
	ICIS 200-128188/8	29969-08.D	04/05/2018	22:31
	IC 200-128188/11	29969-11.D	04/06/2018	01:12
	IC 200-128188/12	29969-12.D	04/06/2018	02:05
	IC 200-128188/20	29969-20.D	04/06/2018	09:11
	IC 200-128188/21	29969-21.D	04/06/2018	10:05
	ICV 200-128188/24	29969-24.D	04/06/2018	12:44

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-43091-1

SDG No.: 200-43091-1

Lab File ID: 30117-01.D BFB Injection Date: 04/16/2018

Instrument ID: CHB.i BFB Injection Time: 09:18

Analysis Batch No.: 128485

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	15.8	
75	30.0 - 66.0% of mass 95	43.5	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	7.6	
173	Less than 2.0% of mass 174	0.0	(0.0) 1
174	50.0 - 120.0% of mass 95	94.4	
175	4.0 - 9.0 % of mass 174	7.8	(8.3) 1
176	93.0 - 101.0% of mass 174	91.9	(97.4) 1
177	5.0 - 9.0% of mass 176	7.0	(7.7) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 200-128485/2	30117-02.D	04/16/2018	10:19
	LCS 200-128485/3	30117-03.D	04/16/2018	11:11
	MB 200-128485/4	30117-04.D	04/16/2018	12:04
SV001	200-43091-1	30117-16.D	04/16/2018	23:01
SV001 DU	200-43091-1 DU	30117-17.D	04/16/2018	23:54
SV003	200-43091-3	30117-19.D	04/17/2018	01:39

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-43091-1

SDG No.: 200-43091-1

Lab File ID: 30158-01.D BFB Injection Date: 04/18/2018

Instrument ID: CHB.i BFB Injection Time: 09:39

Analysis Batch No.: 128592

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	14.5	
75	30.0 - 66.0% of mass 95	41.7	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	7.6	
173	Less than 2.0% of mass 174	0.0	(0.0) 1
174	50.0 - 120.0% of mass 95	94.4	
175	4.0 - 9.0 % of mass 174	7.9	(8.4) 1
176	93.0 - 101.0% of mass 174	92.2	(97.6) 1
177	5.0 - 9.0% of mass 176	7.0	(7.6) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 200-128592/2	30158-02.D	04/18/2018	10:52
	LCS 200-128592/3	30158-03.D	04/18/2018	11:44
	MB 200-128592/4	30158-04.D	04/18/2018	12:37
SV002	200-43091-2	30158-06.D	04/18/2018	14:23
AMBIENT	200-43091-5	30158-09.D	04/18/2018	17:02

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-43091-1

SDG No.: 200-43091-1

Lab File ID: 30075_01.D BFB Injection Date: 04/12/2018

Instrument ID: CHX.i BFB Injection Time: 15:03

Analysis Batch No.: 128414

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	14.7	
75	30.0 - 66.0% of mass 95	44.2	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.3	
173	Less than 2.0% of mass 174	1.4	(1.4) 1
174	50.0 - 120.0% of mass 95	103.1	
175	4.0 - 9.0 % of mass 174	7.7	(7.5) 1
176	93.0 - 101.0% of mass 174	99.6	(96.6) 1
177	5.0 - 9.0% of mass 176	6.5	(6.6) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 200-128414/4	30075_04.D	04/12/2018	17:29
	IC 200-128414/5	30075_05.D	04/12/2018	18:21
	IC 200-128414/6	30075_06.D	04/12/2018	19:11
	IC 200-128414/7	30075_07.D	04/12/2018	20:01
	ICIS 200-128414/8	30075_08.D	04/12/2018	20:51
	IC 200-128414/9	30075_09.D	04/12/2018	21:42
	IC 200-128414/10	30075_10.D	04/12/2018	22:32
	IC 200-128414/11	30075_11.D	04/12/2018	23:23
	ICV 200-128414/16	30075_16.D	04/13/2018	03:34

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-43091-1

SDG No.: 200-43091-1

Lab File ID: 30131_01.D BFB Injection Date: 04/17/2018

Instrument ID: CHX.i BFB Injection Time: 08:55

Analysis Batch No.: 128526

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	18.0	
75	30.0 - 66.0% of mass 95	46.4	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.3	
173	Less than 2.0% of mass 174	0.5	(0.5) 1
174	50.0 - 120.0% of mass 95	94.5	
175	4.0 - 9.0 % of mass 174	7.5	(7.9) 1
176	93.0 - 101.0% of mass 174	92.2	(97.6) 1
177	5.0 - 9.0% of mass 176	6.0	(6.5) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 200-128526/2	30131_02.D	04/17/2018	09:58
	LCS 200-128526/3	30131_03.D	04/17/2018	10:48
	MB 200-128526/4	30131_04.D	04/17/2018	11:39
SV004	200-43091-4	30131_15.D	04/17/2018	20:55

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-43091-1

SDG No.: 200-43091-1

Sample No.: ICIS 200-128188/8 Date Analyzed: 04/05/2018 22:31

Instrument ID: CHB.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): 29969-08.D Heated Purge: (Y/N) N

Calibration ID: 39248

		BCM		DFBZ		CBNZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		371294	9.68	1648034	11.09	1494132	15.20
UPPER LIMIT		519812	10.01	2307248	11.42	2091785	15.53
LOWER LIMIT		222776	9.35	988820	10.76	896479	14.87
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-128188/24		434417	9.68	1937756	11.09	1721948	15.20

BCM = Bromochloromethane
DFBZ = 1,4-Difluorobenzene
CBNZd5 = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-43091-1

SDG No.: 200-43091-1

Sample No.: CCVIS 200-128485/2 Date Analyzed: 04/16/2018 10:19

Instrument ID: CHB.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): 30117-02.D Heated Purge: (Y/N) N

Calibration ID: 39248

		BCM		DFBZ		CBNZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		396233	9.68	1789580	11.09	1599524	15.20
UPPER LIMIT		554726	10.01	2505412	11.42	2239334	15.53
LOWER LIMIT		237740	9.35	1073748	10.76	959714	14.87
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-128485/3		415835	9.68	1868542	11.09	1647266	15.20
MB 200-128485/4		418595	9.68	1913766	11.08	1644705	15.20
200-43091-1	SV001	345761	9.68	1542146	11.09	1376367	15.20
200-43091-1 DU	SV001 DU	439653	9.68	1985217	11.09	1799738	15.20
200-43091-3	SV003	475837	9.68	2139232	11.08	1833986	15.20

BCM = Bromochloromethane
DFBZ = 1,4-Difluorobenzene
CBNZd5 = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-43091-1

SDG No.: 200-43091-1

Sample No.: CCVIS 200-128592/2 Date Analyzed: 04/18/2018 10:52

Instrument ID: CHB.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): 30158-02.D Heated Purge: (Y/N) N

Calibration ID: 39248

		BCM		DFBZ		CBNZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		448711	9.68	1993597	11.09	1768429	15.20
UPPER LIMIT		628195	10.01	2791036	11.42	2475801	15.53
LOWER LIMIT		269227	9.35	1196158	10.76	1061057	14.87
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-128592/3		459619	9.68	2062230	11.09	1814529	15.20
MB 200-128592/4		447560	9.68	2026321	11.09	1745842	15.20
200-43091-2	SV002	438414	9.68	1991773	11.08	1722277	15.20
200-43091-5	AMBIENT	445600	9.68	2004085	11.09	1712384	15.20

BCM = Bromochloromethane
DFBZ = 1,4-Difluorobenzene
CBNZd5 = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-43091-1

SDG No.: 200-43091-1

Sample No.: ICIS 200-128414/8 Date Analyzed: 04/12/2018 20:51

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): 30075_08.D Heated Purge: (Y/N) N

Calibration ID: 39268

		BCM		DFBZ		CBNZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		201948	10.16	1045546	12.24	987354	18.56
UPPER LIMIT		282727	10.49	1463764	12.57	1382296	18.89
LOWER LIMIT		121169	9.83	627328	11.91	592412	18.23
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-128414/16		261301	10.16	1356008	12.24	1238907	18.57

BCM = Bromochloromethane
DFBZ = 1,4-Difluorobenzene
CBNZd5 = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-43091-1

SDG No.: 200-43091-1

Sample No.: CCVIS 200-128526/2 Date Analyzed: 04/17/2018 09:58

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): 30131_02.D Heated Purge: (Y/N) N

Calibration ID: 39268

		BCM		DFBZ		CBNZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		247066	10.16	1266546	12.24	1183271	18.57
UPPER LIMIT		345892	10.49	1773164	12.57	1656579	18.90
LOWER LIMIT		148240	9.83	759928	11.91	709963	18.24
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-128526/3		281568	10.16	1487320	12.24	1361724	18.56
MB 200-128526/4		308223	10.16	1618970	12.24	1449252	18.56
200-43091-4	SV004	163779	10.16	856651	12.24	875902	18.56

BCM = Bromochloromethane
DFBZ = 1,4-Difluorobenzene
CBNZd5 = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-43091-1

SDG No.: 200-43091-1

Client Sample ID: SV001 Lab Sample ID: 200-43091-1

Matrix: Air Lab File ID: 30117-16.D

Analysis Method: TO-15 Date Collected: 04/13/2018 11:35

Sample wt/vol: 200(mL) Date Analyzed: 04/16/2018 23:01

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 128485 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	1.5		0.50	0.20
75-45-6	Chlorodifluoromethane	86.47	0.50	U	0.50	0.26
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.20	U	0.20	0.068
74-87-3	Chloromethane	50.49	0.50	U	0.50	0.25
106-97-8	n-Butane	58.12	1.8		0.50	0.31
75-01-4	Vinyl chloride	62.50	0.035	U	0.035	0.041
106-99-0	1,3-Butadiene	54.09	0.19	J	0.20	0.065
74-83-9	Bromomethane	94.94	0.20	U	0.20	0.062
75-00-3	Chloroethane	64.52	0.50	U	0.50	0.21
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.20	U	0.20	0.056
75-69-4	Trichlorofluoromethane	137.37	0.66		0.20	0.062
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	0.071	J	0.20	0.031
75-35-4	1,1-Dichloroethene	96.94	0.035	U	0.035	0.034
67-64-1	Acetone	58.08	20		5.0	2.6
67-63-0	Isopropyl alcohol	60.10	2.0	J	5.0	1.8
75-15-0	Carbon disulfide	76.14	0.26	J	0.50	0.12
107-05-1	3-Chloropropene	76.53	0.50	U	0.50	0.27
75-09-2	Methylene Chloride	84.93	1.9		0.50	0.20
75-65-0	tert-Butyl alcohol	74.12	12		5.0	1.5
1634-04-4	Methyl tert-butyl ether	88.15	0.20	U	0.20	0.061
156-60-5	trans-1,2-Dichloroethene	96.94	0.20	U	0.20	0.074
110-54-3	n-Hexane	86.17	0.91		0.20	0.16
75-34-3	1,1-Dichloroethane	98.96	0.20	U	0.20	0.026
78-93-3	Methyl Ethyl Ketone (2-Butanone)	72.11	5.7		0.50	0.20
156-59-2	cis-1,2-Dichloroethene	96.94	0.035	U	0.035	0.037
67-66-3	Chloroform	119.38	0.43		0.20	0.052
109-99-9	Tetrahydrofuran	72.11	5.0	U	5.0	2.6
71-55-6	1,1,1-Trichloroethane	133.41	0.20	U	0.20	0.068
110-82-7	Cyclohexane	84.16	1.9		0.20	0.063
56-23-5	Carbon tetrachloride	153.81	0.039		0.035	0.024
540-84-1	2,2,4-Trimethylpentane	114.23	0.20	U	0.20	0.088
71-43-2	Benzene	78.11	0.53		0.20	0.071
107-06-2	1,2-Dichloroethane	98.96	0.20	U	0.20	0.063

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-43091-1

SDG No.: 200-43091-1

Client Sample ID: SV001 Lab Sample ID: 200-43091-1

Matrix: Air Lab File ID: 30117-16.D

Analysis Method: TO-15 Date Collected: 04/13/2018 11:35

Sample wt/vol: 200(mL) Date Analyzed: 04/16/2018 23:01

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 128485 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
142-82-5	n-Heptane	100.21	1.4		0.20	0.14
79-01-6	Trichloroethene	131.39	0.080		0.035	0.030
80-62-6	Methyl methacrylate	100.12	0.50	U	0.50	0.22
78-87-5	1,2-Dichloropropane	112.99	0.20	U	0.20	0.12
123-91-1	1,4-Dioxane	88.11	5.0	U	5.0	1.3
75-27-4	Bromodichloromethane	163.83	0.47		0.20	0.094
10061-01-5	cis-1,3-Dichloropropene	110.97	0.20	U	0.20	0.098
108-10-1	4-Methyl-2-pentanone (Methyl isobutyl ketone)	100.16	0.50	U	0.50	0.36
108-88-3	Toluene	92.14	7.5		0.20	0.069
10061-02-6	trans-1,3-Dichloropropene	110.97	0.20	U	0.20	0.12
79-00-5	1,1,2-Trichloroethane	133.41	0.20	U	0.20	0.078
127-18-4	Tetrachloroethene	165.83	0.33		0.20	0.029
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.50	U	0.50	0.42
124-48-1	Dibromochloromethane	208.29	0.20	U	0.20	0.071
106-93-4	1,2-Dibromoethane	187.87	0.20	U	0.20	0.069
108-90-7	Chlorobenzene	112.56	0.20	U	0.20	0.040
100-41-4	Ethylbenzene	106.17	1.6		0.20	0.073
179601-23-1	m,p-Xylene	106.17	5.5		0.50	0.070
95-47-6	o-Xylene	106.17	1.9		0.20	0.071
100-42-5	Styrene	104.15	4.8		0.20	0.086
75-25-2	Bromoform	252.75	0.20	U	0.20	0.086
98-82-8	Cumene	120.19	0.23		0.20	0.059
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.20	U	0.20	0.076
103-65-1	n-Propylbenzene	120.19	0.19	J	0.20	0.069
622-96-8	4-Ethyltoluene	120.20	0.17	J	0.20	0.069
108-67-8	1,3,5-Trimethylbenzene	120.20	0.12	J	0.20	0.058
95-49-8	2-Chlorotoluene	126.59	0.20	U	0.20	0.071
98-06-6	tert-Butylbenzene	134.22	0.20	U	0.20	0.058
95-63-6	1,2,4-Trimethylbenzene	120.20	0.40		0.20	0.080
135-98-8	sec-Butylbenzene	134.22	0.20	U	0.20	0.066
99-87-6	4-Isopropyltoluene	134.22	0.10	J	0.20	0.075
541-73-1	1,3-Dichlorobenzene	147.00	0.20	U	0.20	0.082
106-46-7	1,4-Dichlorobenzene	147.00	0.20	U	0.20	0.065

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-43091-1

SDG No.: 200-43091-1

Client Sample ID: SV001 Lab Sample ID: 200-43091-1

Matrix: Air Lab File ID: 30117-16.D

Analysis Method: TO-15 Date Collected: 04/13/2018 11:35

Sample wt/vol: 200(mL) Date Analyzed: 04/16/2018 23:01

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 128485 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
100-44-7	Benzyl chloride	126.58	0.20	U	0.20	0.12
104-51-8	n-Butylbenzene	134.22	0.20	U	0.20	0.080
95-50-1	1,2-Dichlorobenzene	147.00	0.20	U	0.20	0.071
120-82-1	1,2,4-Trichlorobenzene	181.45	0.50	U	0.50	0.24
87-68-3	Hexachlorobutadiene	260.76	0.20	U	0.20	0.082
91-20-3	Naphthalene	128.17	0.50	U	0.50	0.31

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-43091-1

SDG No.: 200-43091-1

Client Sample ID: SV001 | Lab Sample ID: 200-43091-1

Matrix: Air | Lab File ID: 30117-16.D

Analysis Method: TO-15 | Date Collected: 04/13/2018 11:35

Sample wt/vol: 200(mL) | Date Analyzed: 04/16/2018 23:01

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 128485 | Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	7.2		2.5	0.99
75-45-6	Chlorodifluoromethane	86.47	1.8	U	1.8	0.92
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.4	U	1.4	0.48
74-87-3	Chloromethane	50.49	1.0	U	1.0	0.52
106-97-8	n-Butane	58.12	4.2		1.2	0.74
75-01-4	Vinyl chloride	62.50	0.089	U	0.089	0.10
106-99-0	1,3-Butadiene	54.09	0.41	J	0.44	0.14
74-83-9	Bromomethane	94.94	0.78	U	0.78	0.24
75-00-3	Chloroethane	64.52	1.3	U	1.3	0.55
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.87	U	0.87	0.24
75-69-4	Trichlorofluoromethane	137.37	3.7		1.1	0.35
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	0.54	J	1.5	0.24
75-35-4	1,1-Dichloroethene	96.94	0.14	U	0.14	0.13
67-64-1	Acetone	58.08	47		12	6.2
67-63-0	Isopropyl alcohol	60.10	4.9	J	12	4.4
75-15-0	Carbon disulfide	76.14	0.81	J	1.6	0.37
107-05-1	3-Chloropropene	76.53	1.6	U	1.6	0.85
75-09-2	Methylene Chloride	84.93	6.5		1.7	0.69
75-65-0	tert-Butyl alcohol	74.12	37		15	4.5
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72	0.22
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79	0.29
110-54-3	n-Hexane	86.17	3.2		0.70	0.56
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81	0.11
78-93-3	Methyl Ethyl Ketone (2-Butanone)	72.11	17		1.5	0.59
156-59-2	cis-1,2-Dichloroethene	96.94	0.14	U	0.14	0.15
67-66-3	Chloroform	119.38	2.1		0.98	0.25
109-99-9	Tetrahydrofuran	72.11	15	U	15	7.7
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1	0.37
110-82-7	Cyclohexane	84.16	6.7		0.69	0.22
56-23-5	Carbon tetrachloride	153.81	0.24		0.22	0.15
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93	0.41
71-43-2	Benzene	78.11	1.7		0.64	0.23
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81	0.25

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-43091-1

SDG No.: 200-43091-1

Client Sample ID: SV001 Lab Sample ID: 200-43091-1

Matrix: Air Lab File ID: 30117-16.D

Analysis Method: TO-15 Date Collected: 04/13/2018 11:35

Sample wt/vol: 200(mL) Date Analyzed: 04/16/2018 23:01

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 128485 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
142-82-5	n-Heptane	100.21	5.8		0.82	0.57
79-01-6	Trichloroethene	131.39	0.43		0.19	0.16
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0	0.90
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92	0.55
123-91-1	1,4-Dioxane	88.11	18	U	18	4.7
75-27-4	Bromodichloromethane	163.83	3.1		1.3	0.63
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91	0.44
108-10-1	4-Methyl-2-pentanone (Methyl isobutyl ketone)	100.16	2.0	U	2.0	1.5
108-88-3	Toluene	92.14	28		0.75	0.26
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91	0.54
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1	0.43
127-18-4	Tetrachloroethene	165.83	2.2		1.4	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0	1.7
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7	0.60
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5	0.53
108-90-7	Chlorobenzene	112.56	0.92	U	0.92	0.18
100-41-4	Ethylbenzene	106.17	7.1		0.87	0.32
179601-23-1	m,p-Xylene	106.17	24		2.2	0.30
95-47-6	o-Xylene	106.17	8.5		0.87	0.31
100-42-5	Styrene	104.15	20		0.85	0.37
75-25-2	Bromoform	252.75	2.1	U	2.1	0.89
98-82-8	Cumene	120.19	1.2		0.98	0.29
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4	0.52
103-65-1	n-Propylbenzene	120.19	0.91	J	0.98	0.34
622-96-8	4-Ethyltoluene	120.20	0.84	J	0.98	0.34
108-67-8	1,3,5-Trimethylbenzene	120.20	0.57	J	0.98	0.29
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0	0.37
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1	0.32
95-63-6	1,2,4-Trimethylbenzene	120.20	2.0		0.98	0.39
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1	0.36
99-87-6	4-Isopropyltoluene	134.22	0.56	J	1.1	0.41
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2	0.49
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2	0.39

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-43091-1

SDG No.: 200-43091-1

Client Sample ID: SV001 Lab Sample ID: 200-43091-1

Matrix: Air Lab File ID: 30117-16.D

Analysis Method: TO-15 Date Collected: 04/13/2018 11:35

Sample wt/vol: 200(mL) Date Analyzed: 04/16/2018 23:01

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 128485 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
100-44-7	Benzyl chloride	126.58	1.0	U	1.0	0.62
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1	0.44
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2	0.43
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7	1.8
87-68-3	Hexachlorobutadiene	260.76	2.1	U	2.1	0.87
91-20-3	Naphthalene	128.17	2.6	U	2.6	1.6

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-16.D
Lims ID: 200-43091-A-1
Client ID: SV001
Sample Type: Client
Inject. Date: 16-Apr-2018 23:01:30 ALS Bottle#: 16 Worklist Smp#: 16
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0030117-016
Operator ID: pad Instrument ID: CHB.i

Method: \\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\TO15_LLNJ_TO3.m
Limit Group: AI_TO15_ICAL
Last Update: 17-Apr-2018 15:03:19 Calib Date: 06-Apr-2018 10:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHB.i\20180405-29969.b\29969-21.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK005

First Level Reviewer: phamvu Date: 17-Apr-2018 15:03:19

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	3.188	3.188	0.000	98	101034	1.45	
3 Chlorodifluoromethane	51	3.225	3.220	0.005	96	9063	0.2466	
4 1,2-Dichloro-1,1,2,2-tetra	85		3.407				ND	U
5 Chloromethane	50		3.529				ND	U
6 Butane	43	3.706	3.706	0.000	87	70217	1.78	
7 Vinyl chloride	62		3.738				ND	
8 Butadiene	54	3.807	3.805	0.000	91	4990	0.1876	
10 Bromomethane	94		4.463				ND	
11 Chloroethane	64		4.693				ND	
13 Vinyl bromide	106		5.104				ND	
14 Trichlorofluoromethane	101	5.211	5.205	0.006	99	55296	0.6576	
19 1,1,2-Trichloro-1,2,2-trif	101	6.235	6.251	0.000	64	5257	0.0706	
20 1,1-Dichloroethene	96		6.299				ND	
21 Acetone	43	6.454	6.440	0.011	95	818648	19.8	
22 Isopropyl alcohol	45	6.678	6.664	0.010	97	104419	2.00	
23 Carbon disulfide	76	6.732	6.728	0.000	95	24716	0.2605	
24 3-Chloro-1-propene	41		6.998				ND	U
27 Methylene Chloride	49	7.265	7.251	0.010	92	70610	1.86	
28 2-Methyl-2-propanol	59	7.367	7.363	0.000	94	832646	12.1	
29 Methyl tert-butyl ether	73		7.607				ND	
30 trans-1,2-Dichloroethene	61		7.671				ND	
32 Hexane	57	8.002	8.002	0.000	95	57464	0.9110	
33 1,1-Dichloroethane	63		8.407				ND	
36 2-Butanone (MEK)	72	9.299	9.288	0.006	99	119297	5.67	
37 cis-1,2-Dichloroethene	96		9.315				ND	
* 39 Chlorobromomethane	128	9.683	9.683	0.000	91	345761	10.0	
38 Tetrahydrofuran	42	9.699	9.688	0.011	93	36071	0.9484	
40 Chloroform	83	9.758	9.747	0.006	95	31881	0.4332	
S 41 1,2-Dichloroethene, Total	61		10.000				ND	
42 1,1,1-Trichloroethane	97		10.014				ND	
43 Cyclohexane	84	10.035	10.030	0.005	97	108972	1.94	
44 Carbon tetrachloride	117	10.222	10.222	0.000	38	2901	0.0389	

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
	45 Isooctane	57		10.505				ND	
	46 Benzene	78	10.548	10.542	0.006	96	66525	0.5267	
	47 1,2-Dichloroethane	62		10.644				ND	
	48 n-Heptane	43	10.761	10.756	0.005	92	97021	1.42	
*	50 1,4-Difluorobenzene	114	11.087	11.087	0.000	95	1542146	10.0	
	53 Trichloroethene	95	11.465	11.455	0.010	93	4642	0.0800	
	54 1,2-Dichloropropane	63		11.823				ND	
	55 Methyl methacrylate	69		11.860				ND	U
	56 1,4-Dioxane	88		11.951				ND	
	58 Dichlorobromomethane	83	12.223	12.180	0.042	59	37956	0.4666	
	60 cis-1,3-Dichloropropene	75		12.810				ND	
	61 4-Methyl-2-pentanone (MIBK	43		12.954				ND	
	64 Toluene	92	13.243	13.243	0.000	93	709146	7.54	
	66 trans-1,3-Dichloropropene	75		13.600				ND	
	67 1,1,2-Trichloroethane	83		13.872				ND	U
	68 Tetrachloroethene	166	14.022	14.022	0.006	98	27469	0.3306	
	69 2-Hexanone	43		14.134				ND	U
	70 Chlorodibromomethane	129		14.427				ND	
	71 Ethylene Dibromide	107		14.636				ND	
*	72 Chlorobenzene-d5	117	15.196	15.196	0.000	93	1376367	10.0	
	73 Chlorobenzene	112	15.255	15.239	0.016	34	4281	0.0349	
	74 Ethylbenzene	91	15.303	15.303	0.000	98	321164	1.64	
	76 m-Xylene & p-Xylene	106	15.452	15.452	0.000	0	428561	5.54	
	78 o-Xylene	106	15.964	15.965	0.000	98	156040	1.95	
	79 Styrene	104	15.986	15.986	0.000	98	584362	4.76	
S	77 Xylenes, Total	106				0		7.49	
	80 Bromoform	173		16.279				ND	
	81 Isopropylbenzene	105	16.375	16.375	0.000	94	49315	0.2344	
	83 1,1,2,2-Tetrachloroethane	83		16.781				ND	U
	84 N-Propylbenzene	91	16.856	16.856	0.000	99	47950	0.1855	
	87 4-Ethyltoluene	105	16.984	16.984	0.006	48	36147	0.1712	a
	88 2-Chlorotoluene	91		17.021				ND	U
	89 1,3,5-Trimethylbenzene	105	17.048	17.048	0.000	80	20255	0.1159	
	91 tert-Butylbenzene	119		17.421				ND	U
	92 1,2,4-Trimethylbenzene	105	17.491	17.491	0.000	97	69459	0.3988	
	93 sec-Butylbenzene	105		17.678				ND	U
	94 4-Isopropyltoluene	119	17.832	17.832	0.000	96	21816	0.1020	
	95 1,3-Dichlorobenzene	146		17.912				ND	
	96 1,4-Dichlorobenzene	146		18.019				ND	
	97 Benzyl chloride	91		18.169				ND	
	99 n-Butylbenzene	91		18.339				ND	
	100 1,2-Dichlorobenzene	146		18.505				ND	
	103 1,2,4-Trichlorobenzene	180		20.858				ND	
	104 Hexachlorobutadiene	225		21.029				ND	
	105 Naphthalene	128		21.339				ND	

QC Flag Legend

Review Flags

U - Marked Undetected

a - User Assigned ID

Reagents:

ATTO15BISs_00006	Amount Added:	20.00	Units: mL	Run Reagent

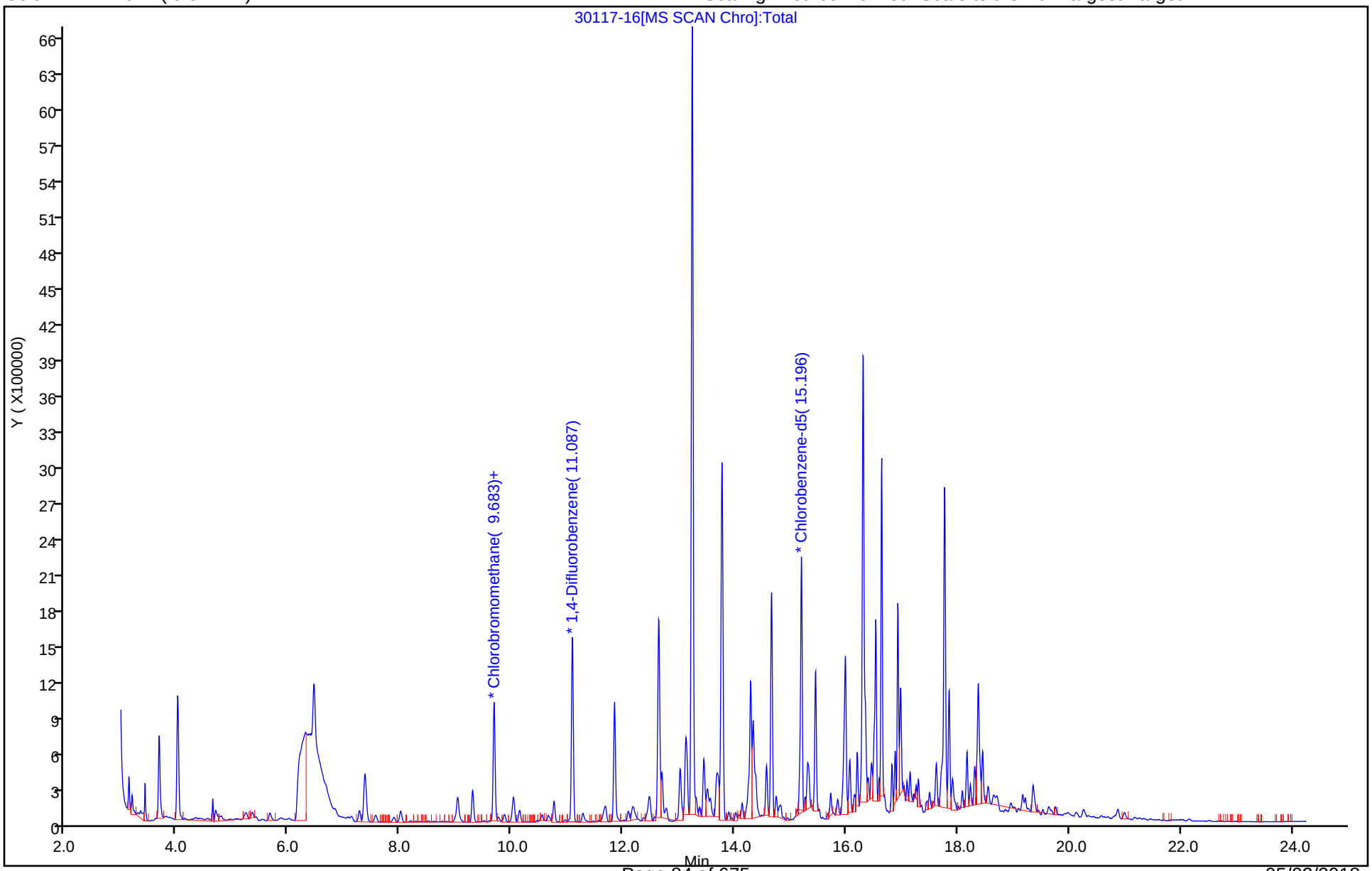
Report Date: 17-Apr-2018 15:03:20 Chrom Revision: 2.2 13-Mar-2018 08:45:20

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-16.D

Injection Date:	16-Apr-2018 23:01:30	Instrument ID:	CHB.i	Operator ID:	pad
Lims ID:	200-43091-A-1	Lab Sample ID:	200-43091-1	Worklist Smp#:	16
Client ID:	SV001				
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

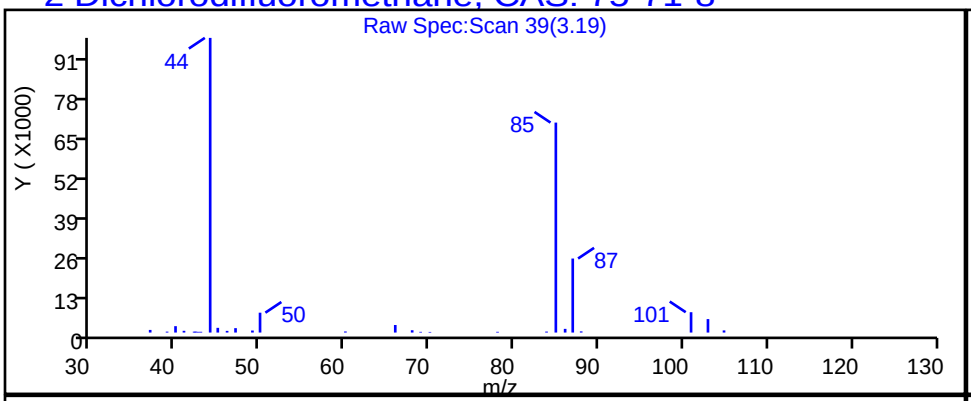


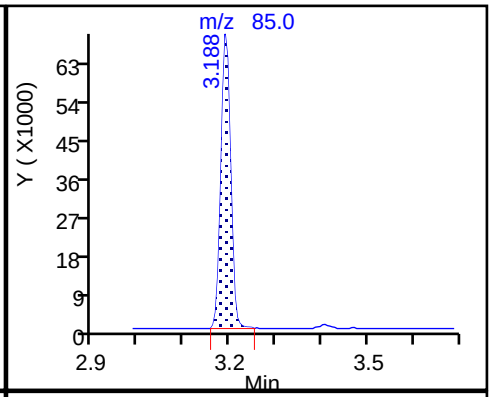
TestAmerica Burlington

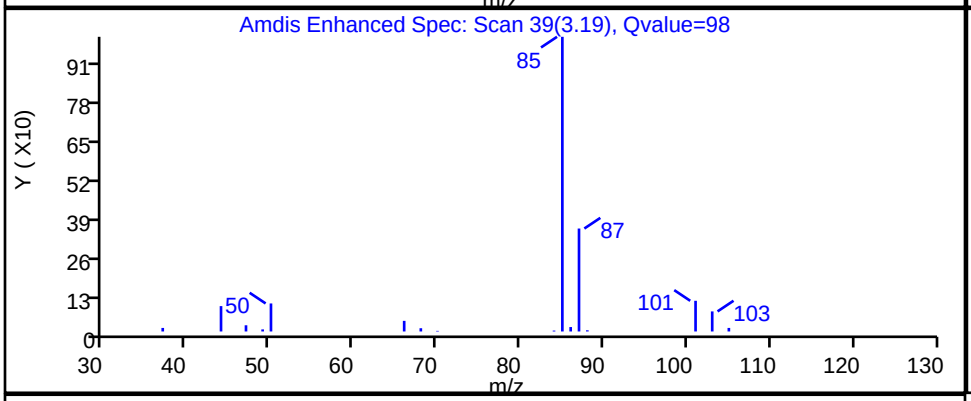
Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-16.D

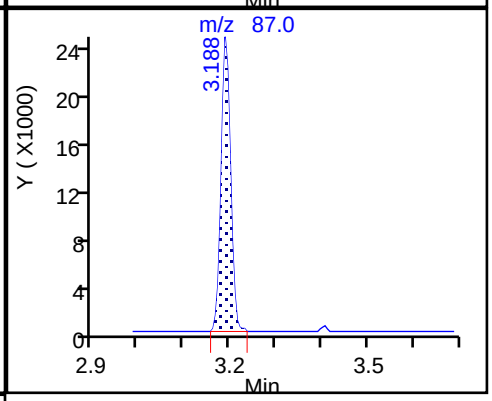
Injection Date:	16-Apr-2018 23:01:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-1	Lab Sample ID:	200-43091-1		
Client ID:	SV001				
Operator ID:	pad	ALS Bottle#:	16	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

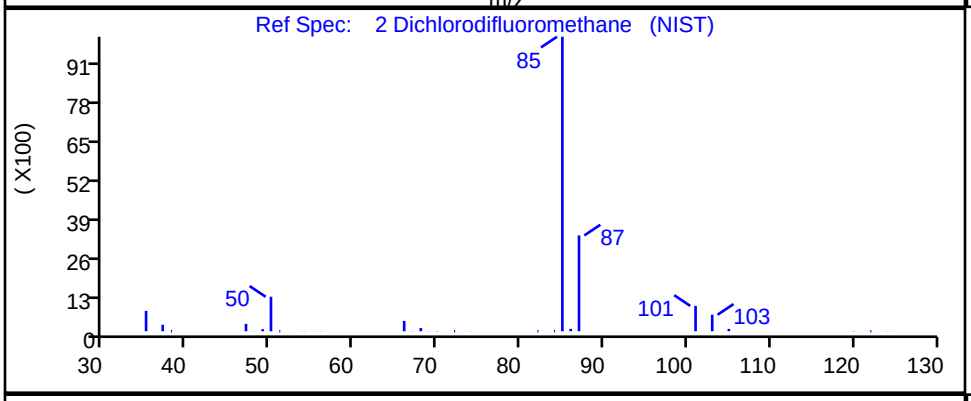
2 Dichlorodifluoromethane, CAS: 75-71-8

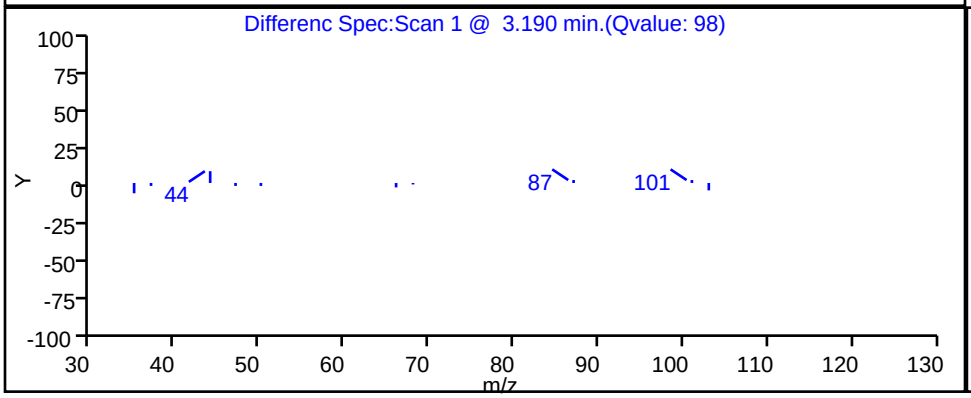


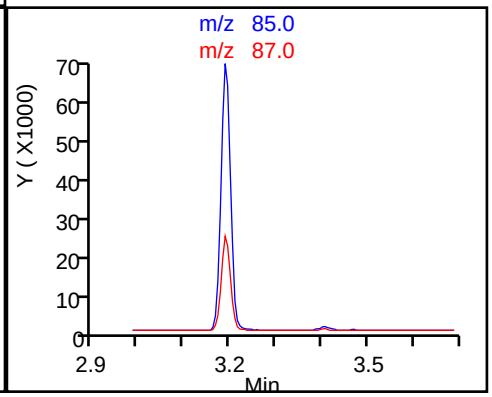












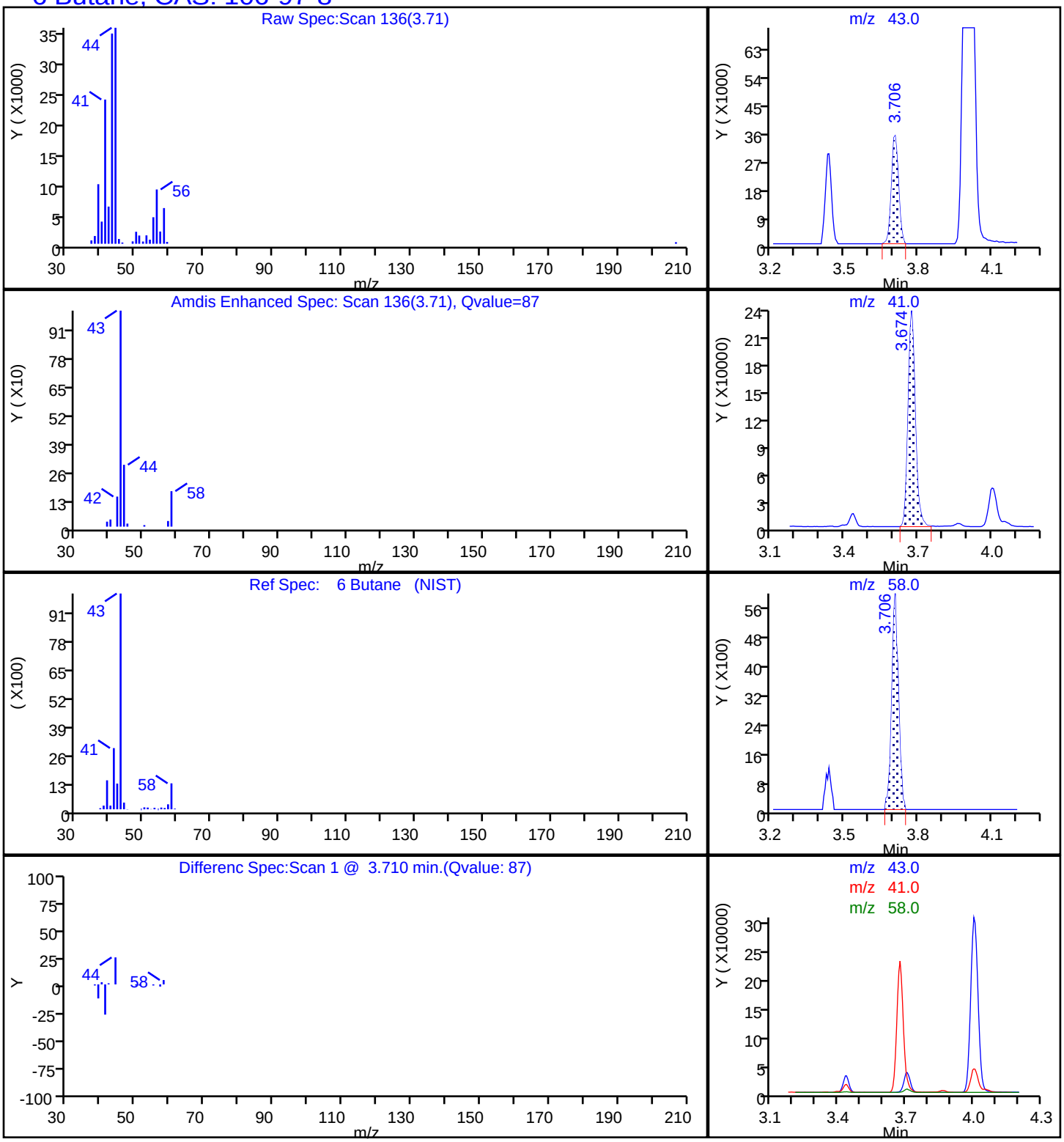
Report Date: 17-Apr-2018 15:03:21 Chrom Revision: 2.2 13-Mar-2018 08:45:20

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-16.D

Injection Date:	16-Apr-2018 23:01:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-1	Lab Sample ID:	200-43091-1		
Client ID:	SV001				
Operator ID:	pad	ALS Bottle#:	16	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

6 Butane, CAS: 106-97-8

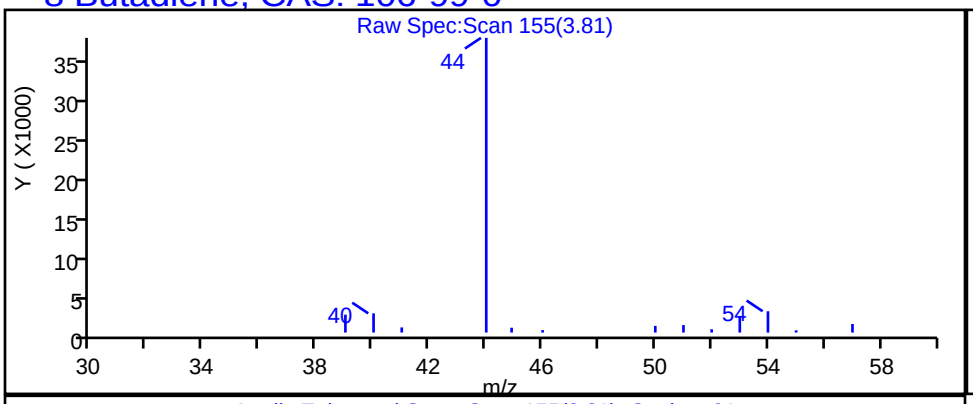


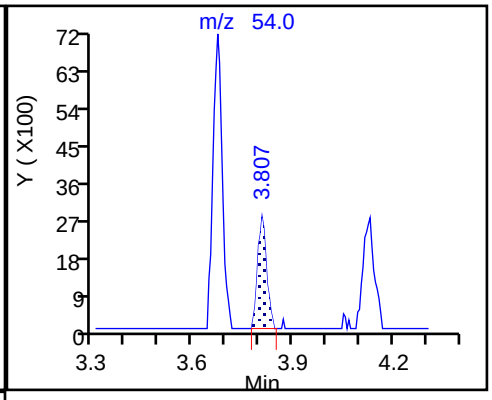
TestAmerica Burlington

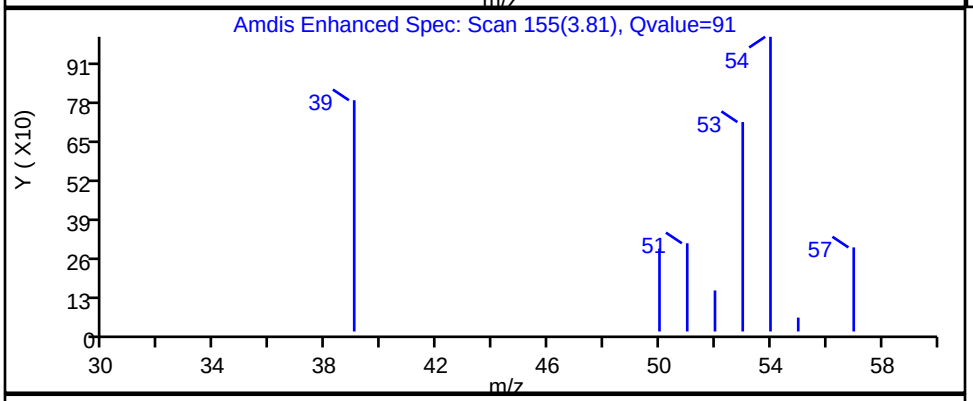
Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-16.D

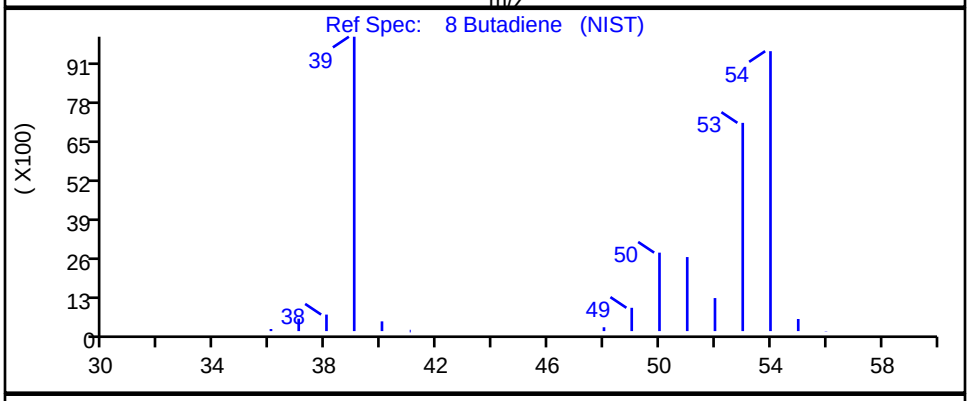
Injection Date:	16-Apr-2018 23:01:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-1	Lab Sample ID:	200-43091-1		
Client ID:	SV001				
Operator ID:	pad	ALS Bottle#:	16	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

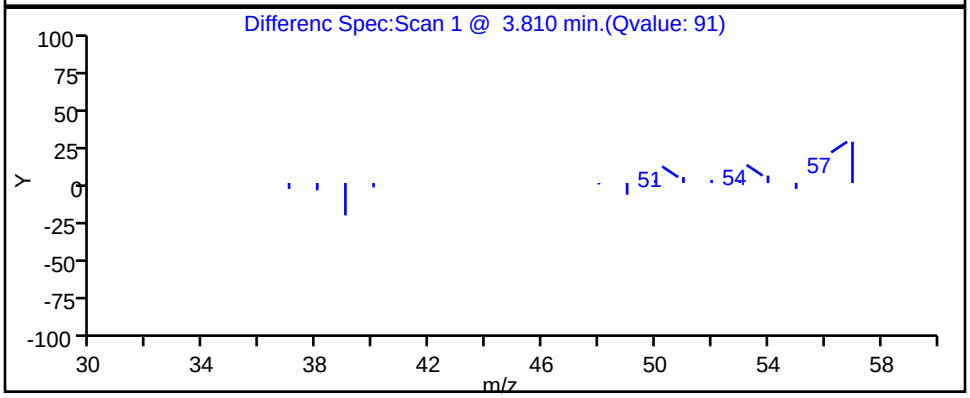
8 Butadiene, CAS: 106-99-0





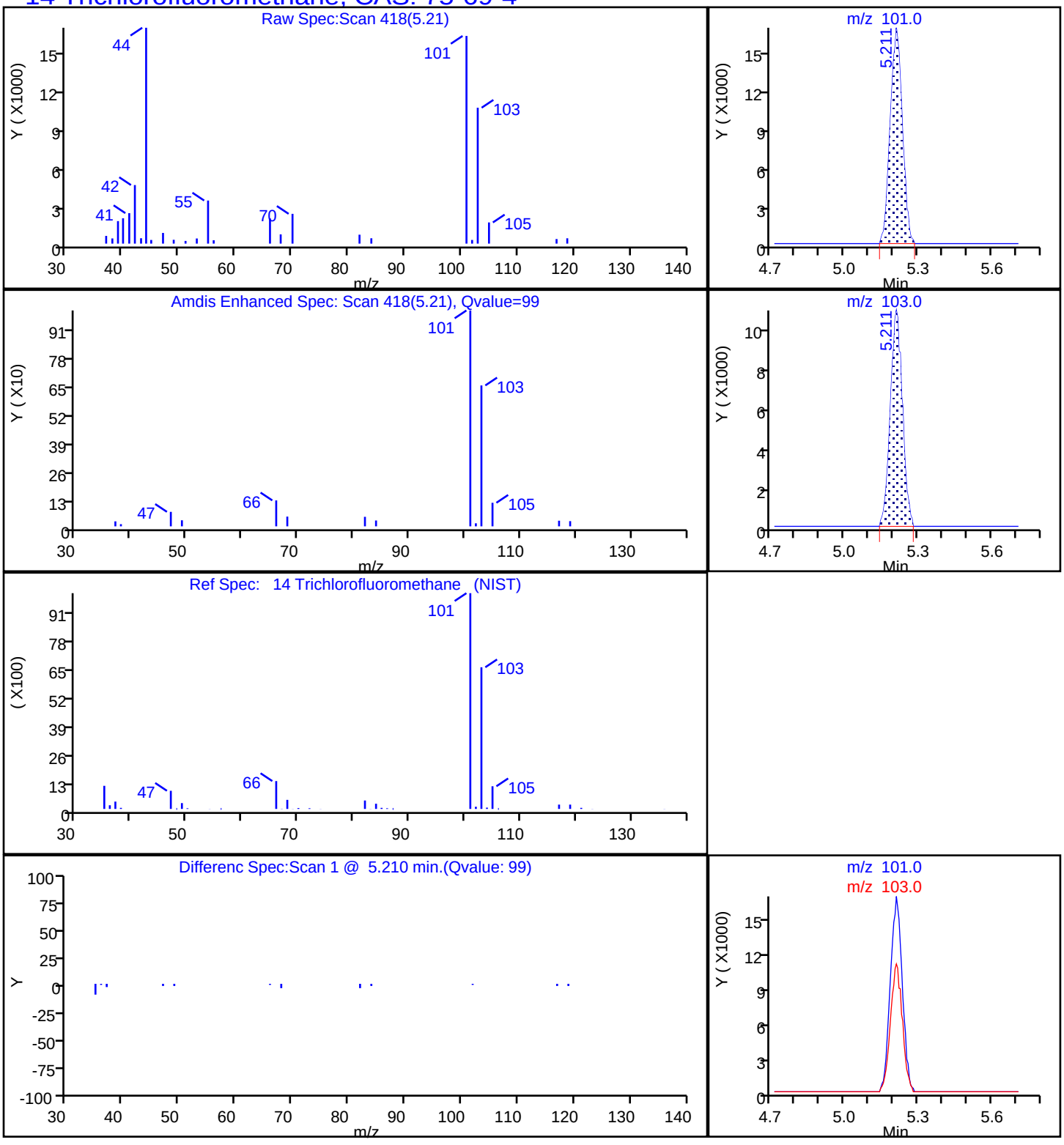






Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-16.D
Injection Date: 16-Apr-2018 23:01:30 Instrument ID: CHB.i
Lims ID: 200-43091-A-1 Lab Sample ID: 200-43091-1
Client ID: SV001
Operator ID: pad ALS Bottle#: 16 Worklist Smp#: 16
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3 Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

14 Trichlorofluoromethane, CAS: 75-69-4

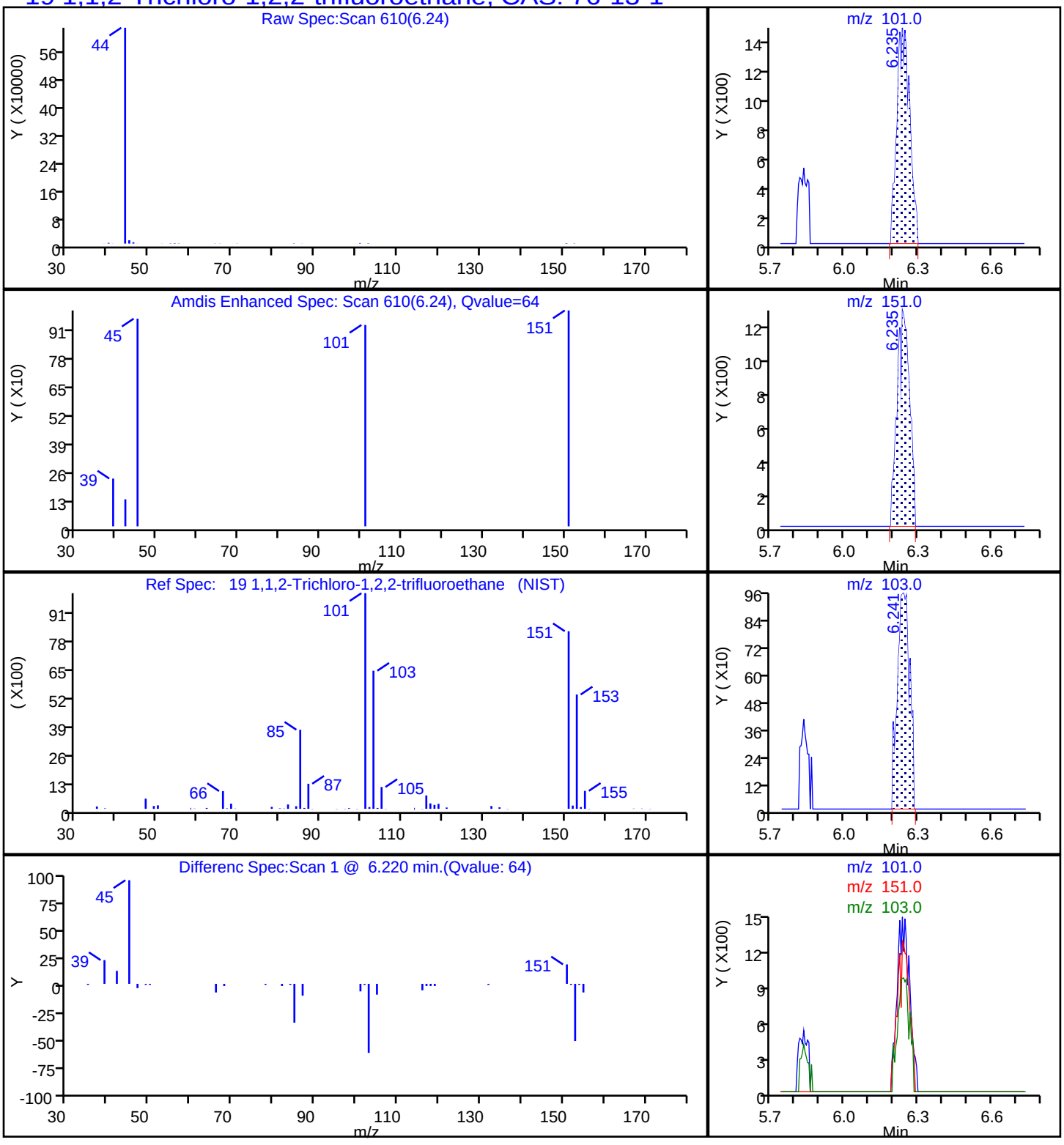


TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-16.D

Injection Date:	16-Apr-2018 23:01:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-1	Lab Sample ID:	200-43091-1		
Client ID:	SV001				
Operator ID:	pad	ALS Bottle#:	16	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

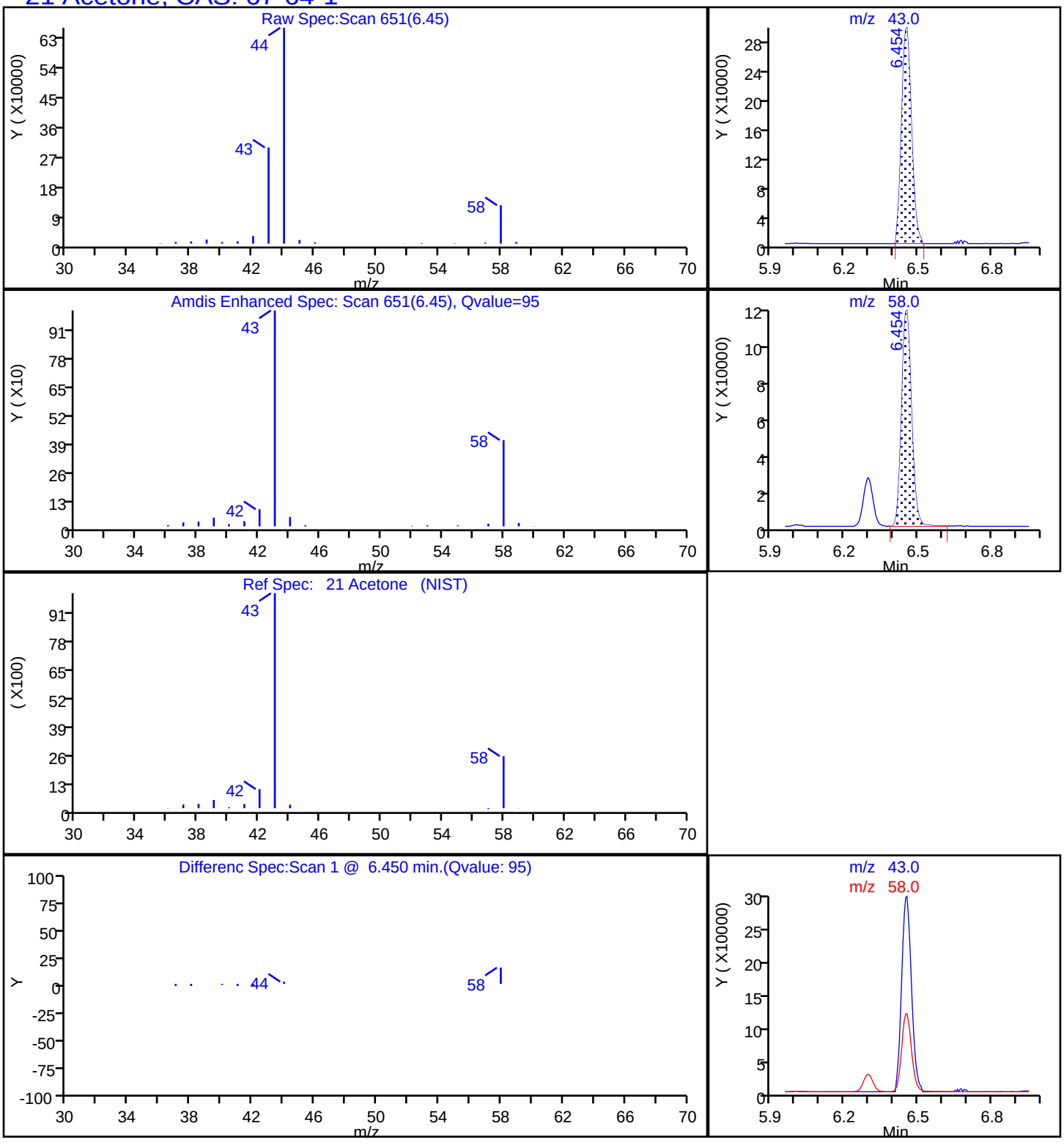
19 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1



TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-16.D				
Injection Date:	16-Apr-2018 23:01:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-1	Lab Sample ID:	200-43091-1		
Client ID:	SV001				
Operator ID:	pad	ALS Bottle#:	16	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

21 Acetone, CAS: 67-64-1

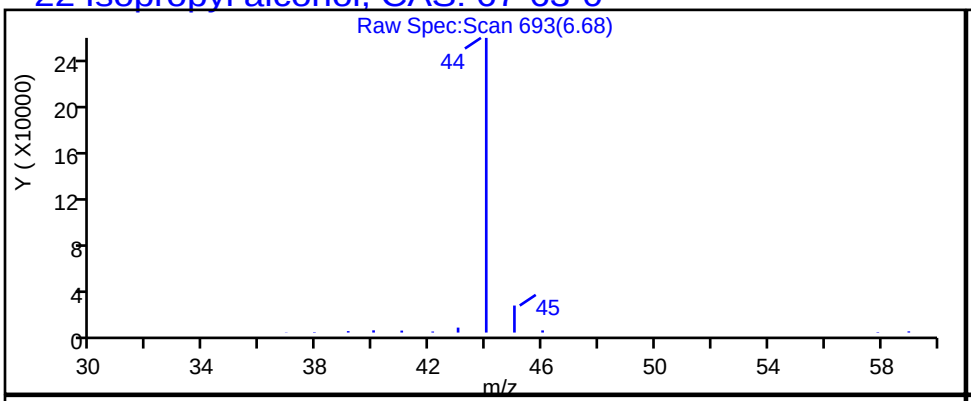


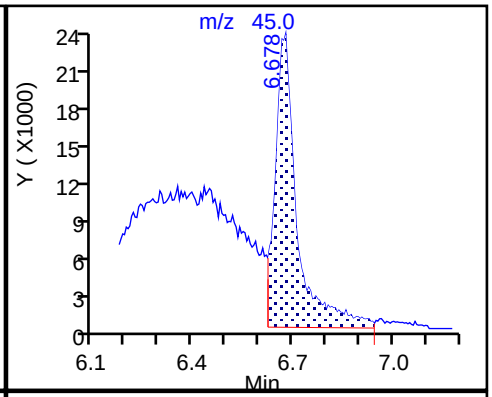
TestAmerica Burlington

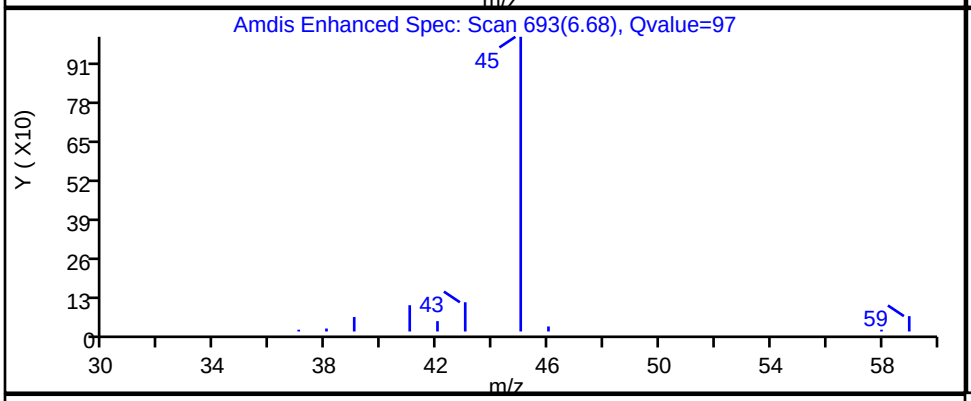
Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-16.D

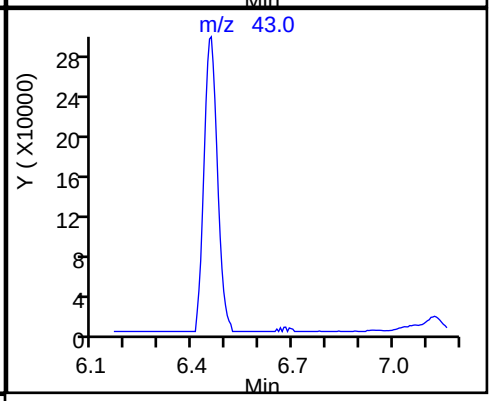
Injection Date:	16-Apr-2018 23:01:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-1	Lab Sample ID:	200-43091-1		
Client ID:	SV001				
Operator ID:	pad	ALS Bottle#:	16	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

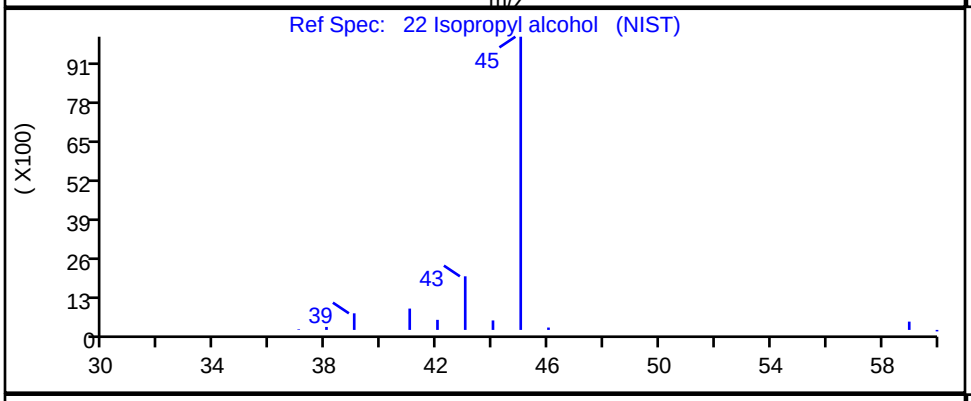
22 Isopropyl alcohol, CAS: 67-63-0

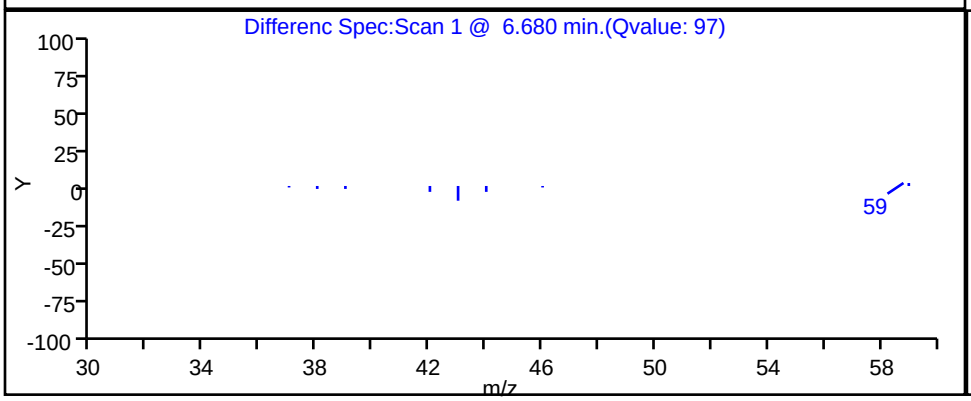


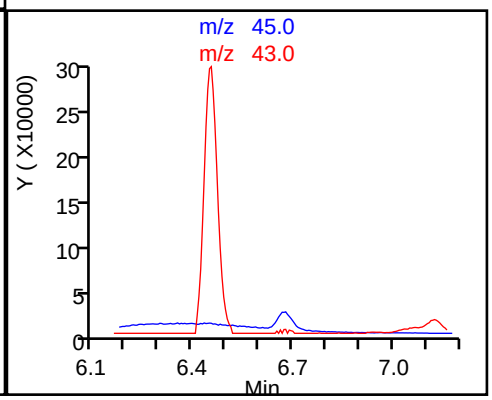












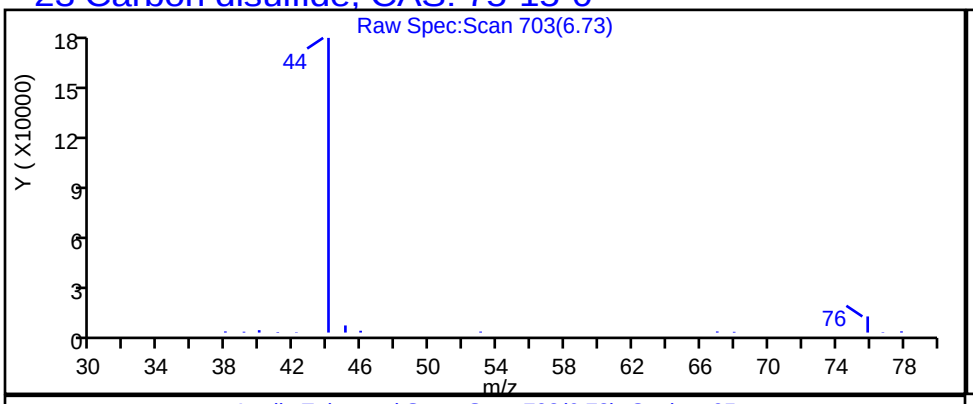
Report Date: 17-Apr-2018 15:03:21 Chrom Revision: 2.2 13-Mar-2018 08:45:20

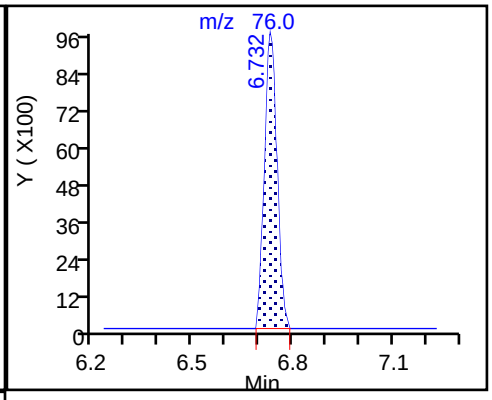
TestAmerica Burlington

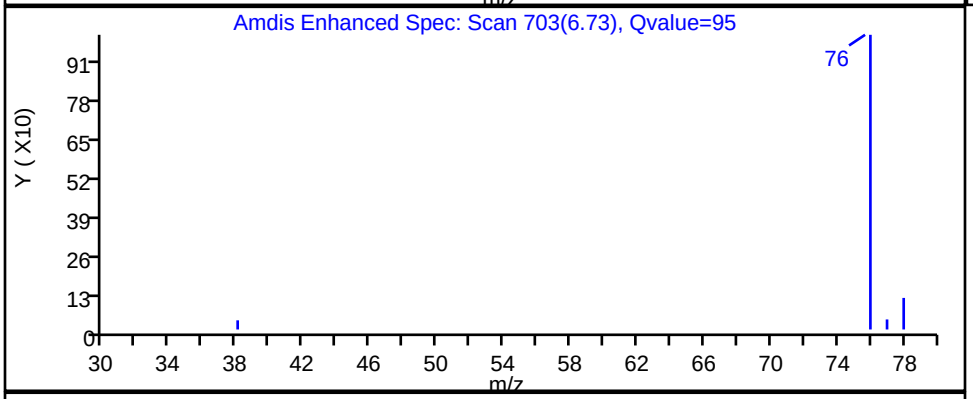
Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-16.D

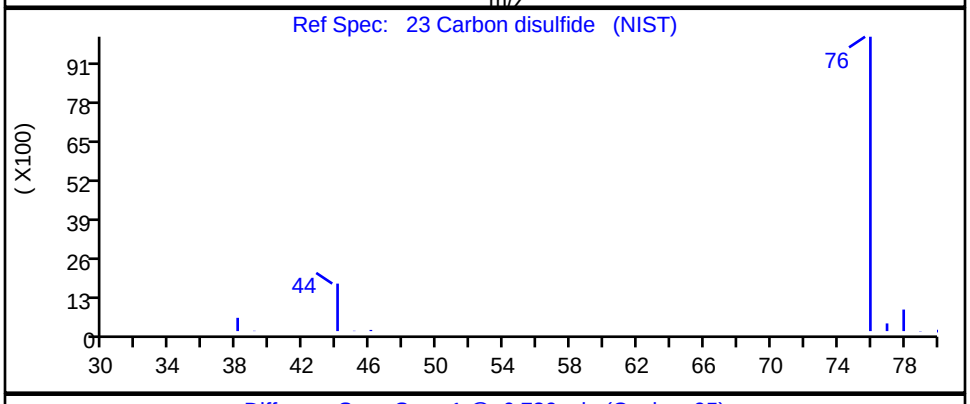
Injection Date:	16-Apr-2018 23:01:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-1	Lab Sample ID:	200-43091-1		
Client ID:	SV001				
Operator ID:	pad	ALS Bottle#:	16	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

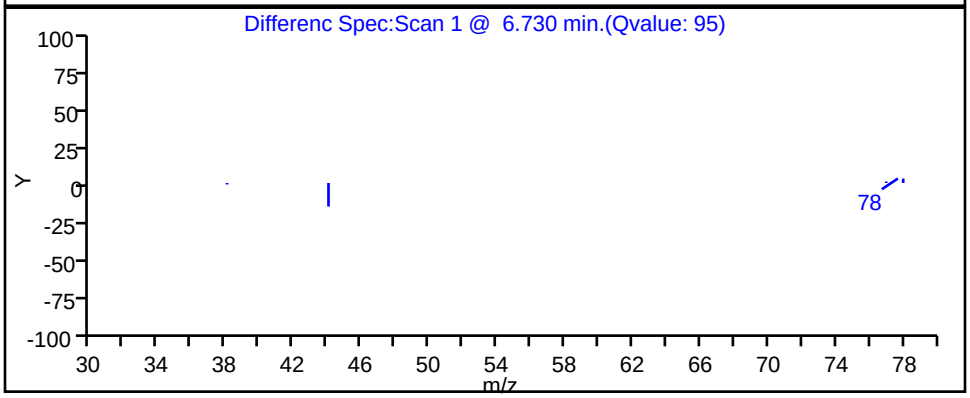
23 Carbon disulfide, CAS: 75-15-0









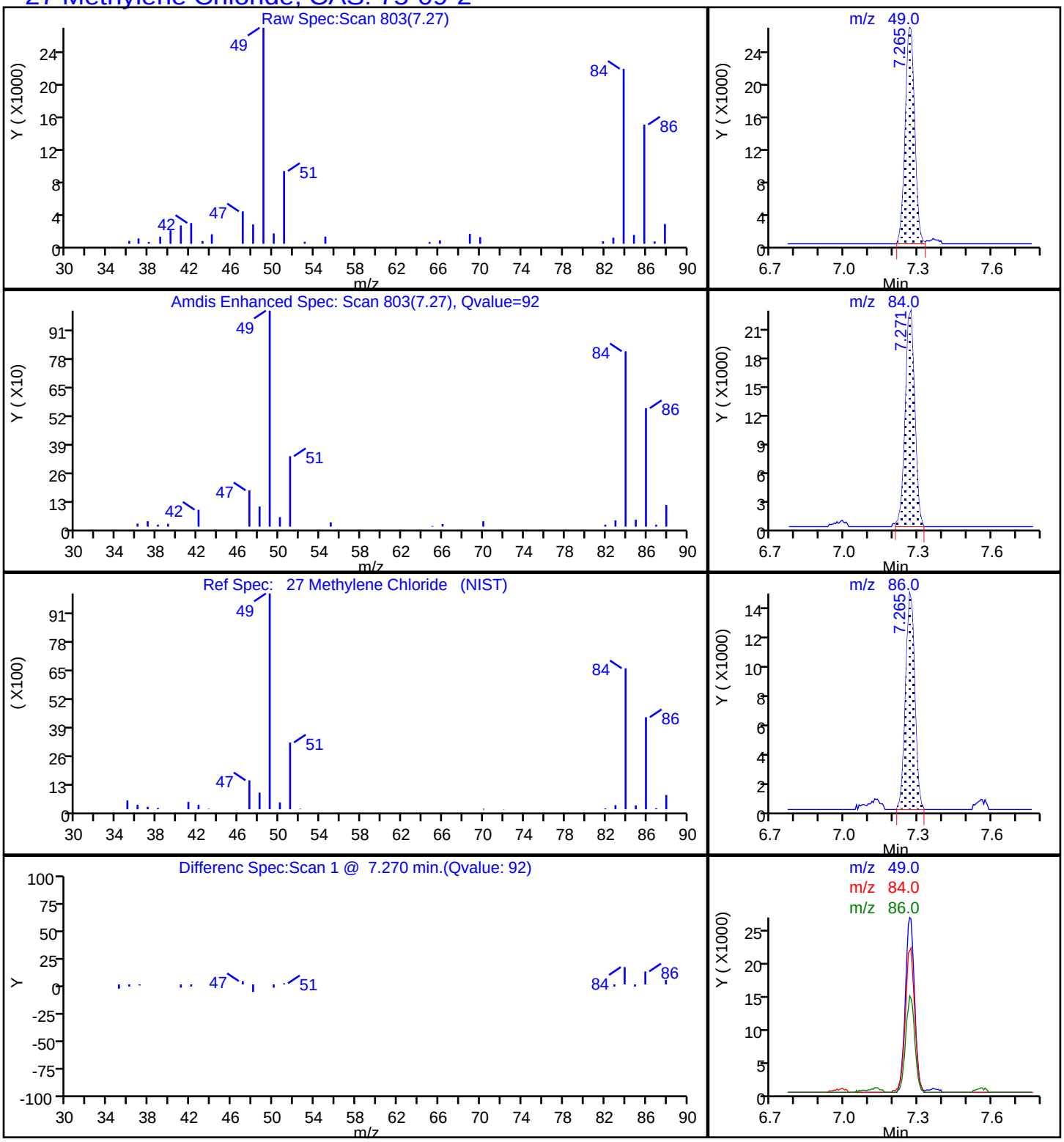


TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-16.D

Injection Date:	16-Apr-2018 23:01:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-1	Lab Sample ID:	200-43091-1		
Client ID:	SV001				
Operator ID:	pad	ALS Bottle#:	16	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

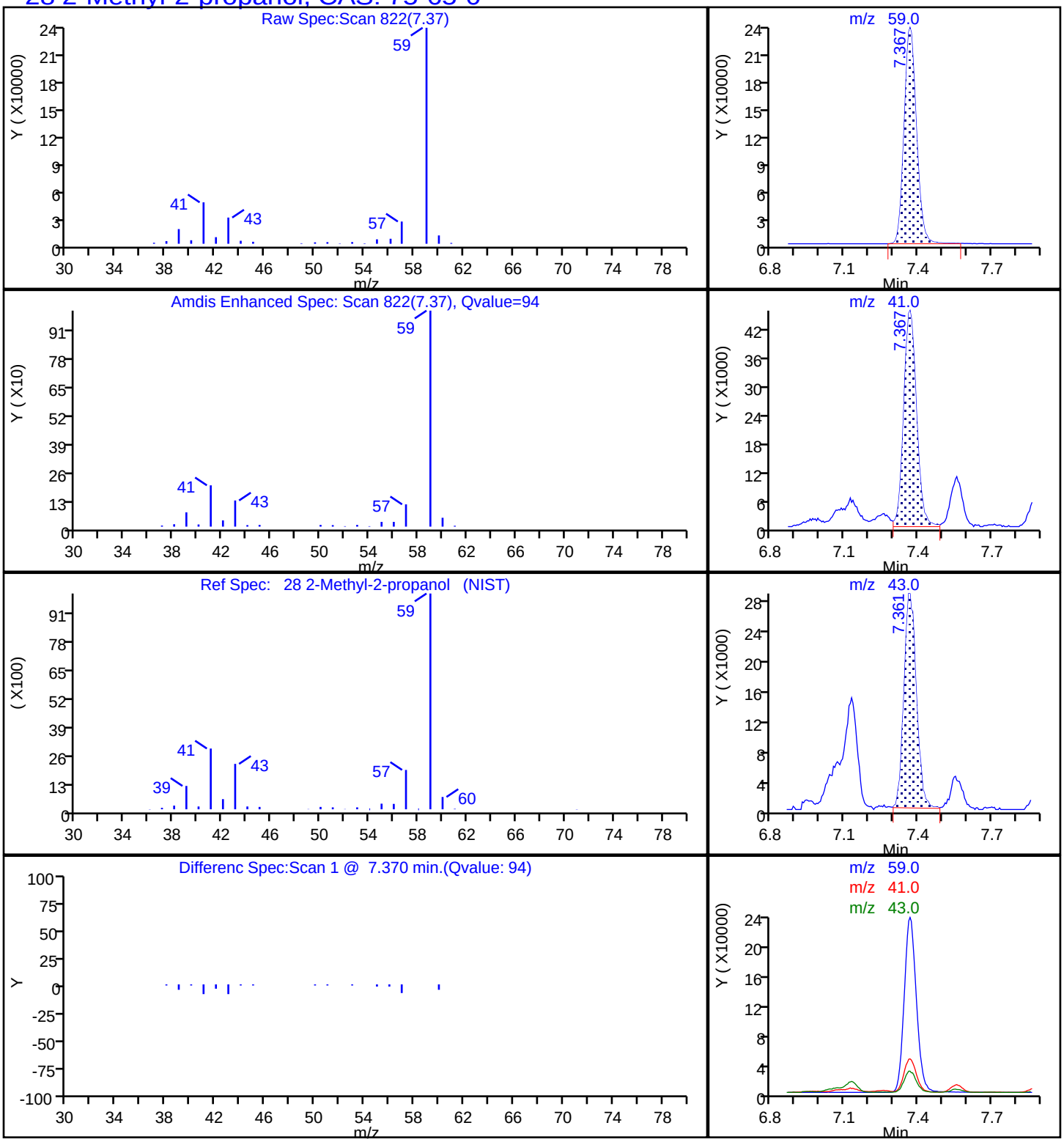
27 Methylene Chloride, CAS: 75-09-2



TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-16.D				
Injection Date:	16-Apr-2018 23:01:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-1	Lab Sample ID:	200-43091-1		
Client ID:	SV001				
Operator ID:	pad	ALS Bottle#:	16	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

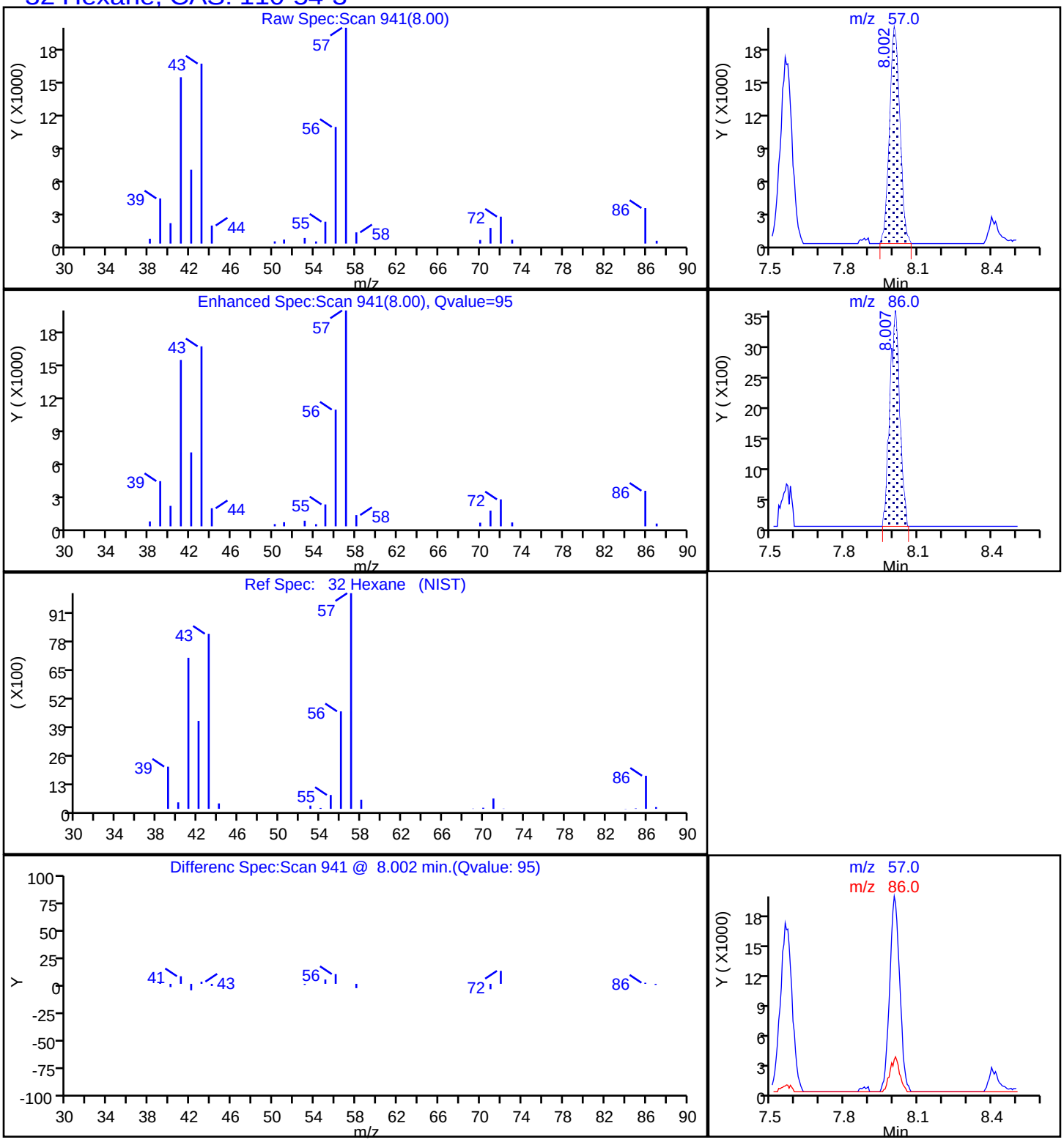
28 2-Methyl-2-propanol, CAS: 75-65-0



TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-16.D				
Injection Date:	16-Apr-2018 23:01:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-1	Lab Sample ID:	200-43091-1		
Client ID:	SV001				
Operator ID:	pad	ALS Bottle#:	16	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

32 Hexane, CAS: 110-54-3

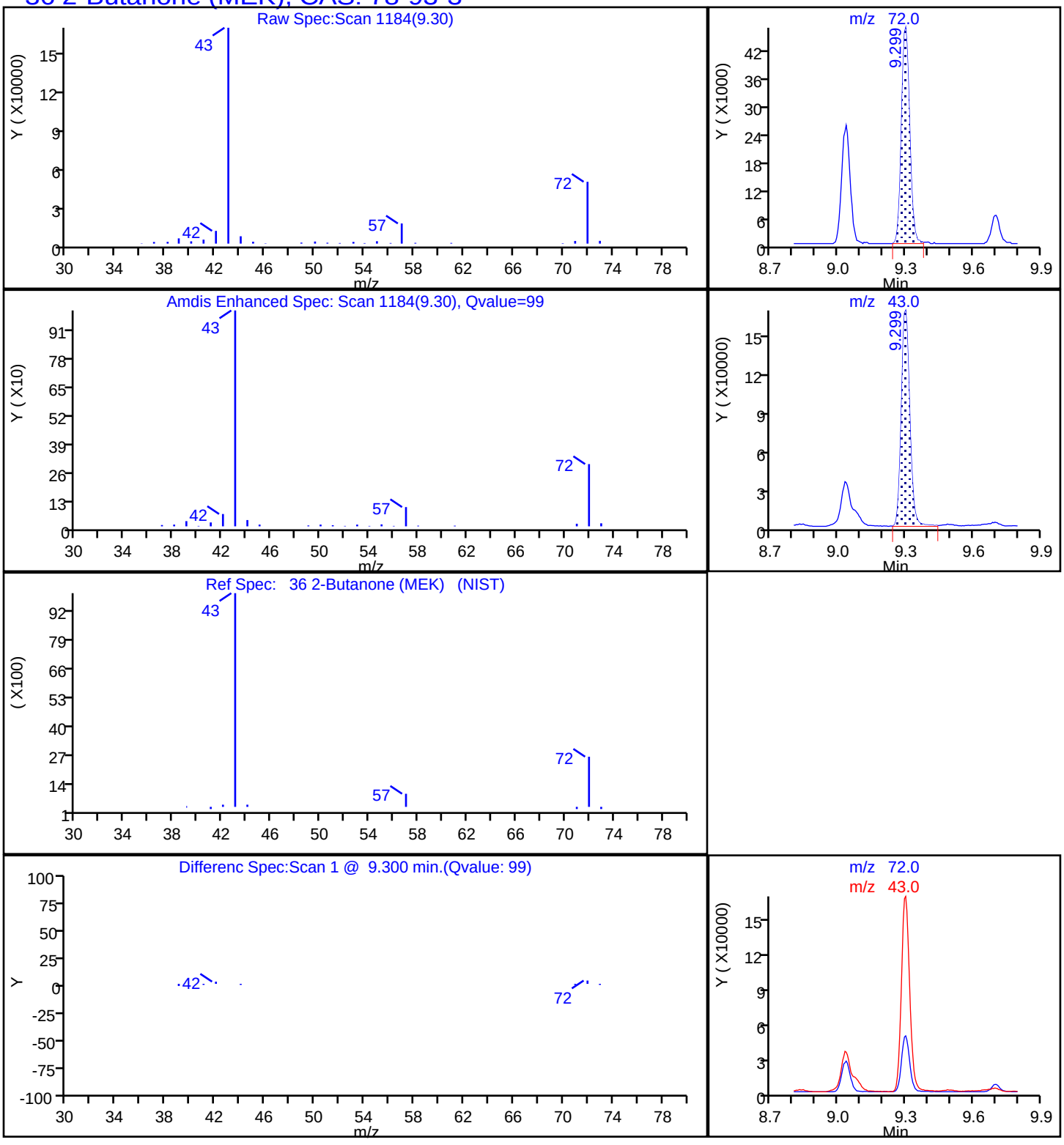


TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-16.D

Injection Date:	16-Apr-2018 23:01:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-1	Lab Sample ID:	200-43091-1		
Client ID:	SV001				
Operator ID:	pad	ALS Bottle#:	16	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

36 2-Butanone (MEK), CAS: 78-93-3

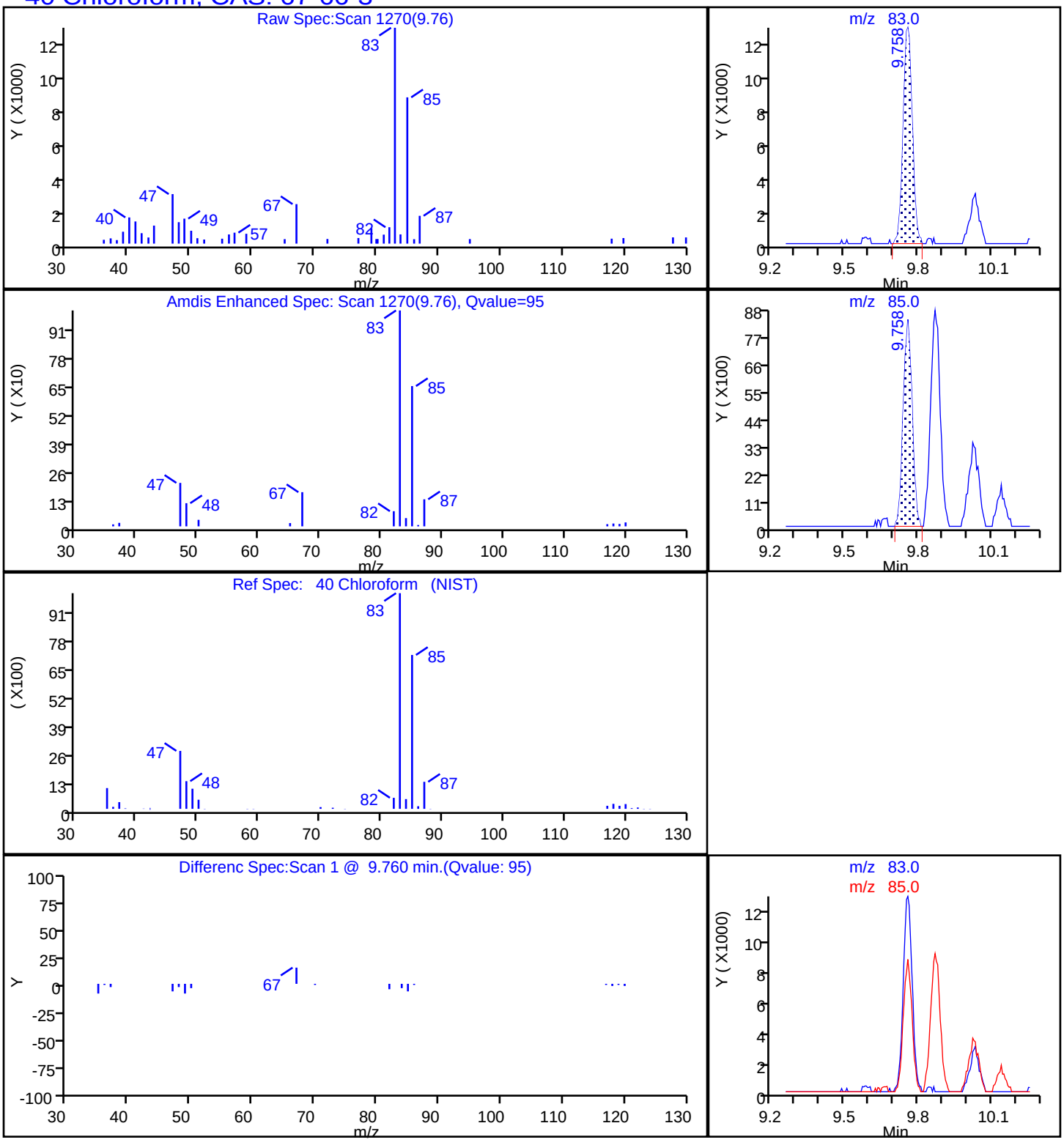


TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-16.D

Injection Date:	16-Apr-2018 23:01:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-1	Lab Sample ID:	200-43091-1		
Client ID:	SV001				
Operator ID:	pad	ALS Bottle#:	16	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

40 Chloroform, CAS: 67-66-3

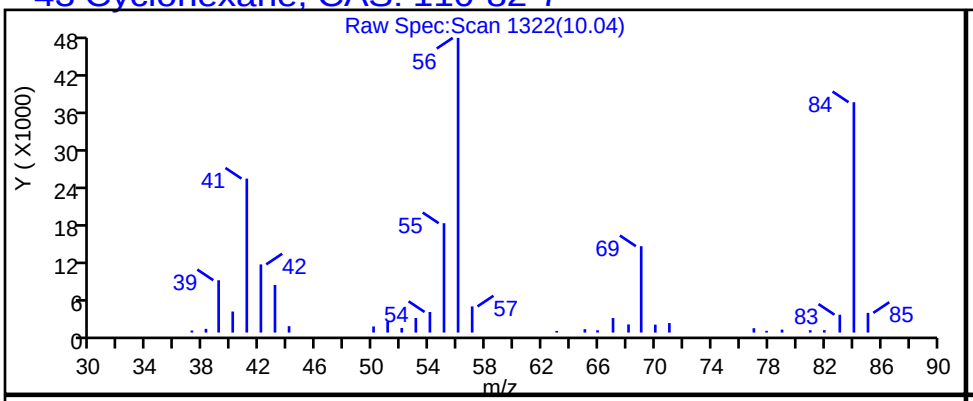


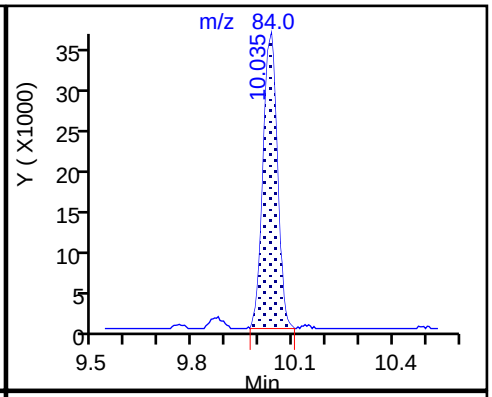
TestAmerica Burlington

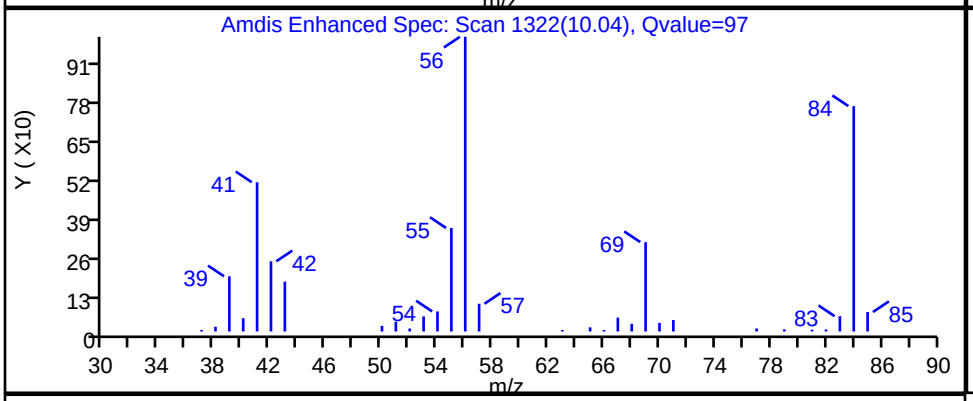
Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-16.D

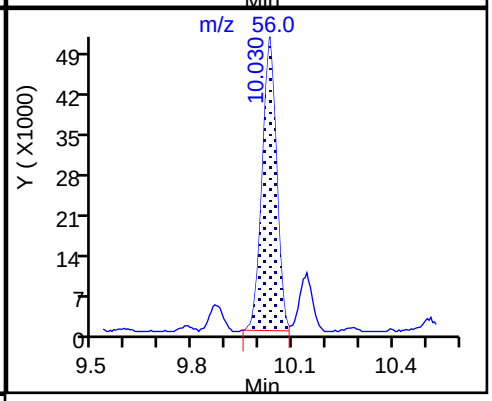
Injection Date:	16-Apr-2018 23:01:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-1	Lab Sample ID:	200-43091-1		
Client ID:	SV001				
Operator ID:	pad	ALS Bottle#:	16	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

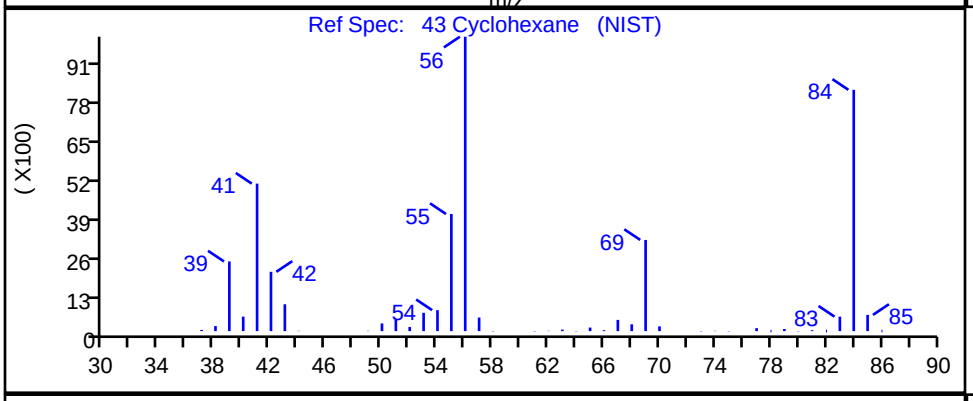
43 Cyclohexane, CAS: 110-82-7

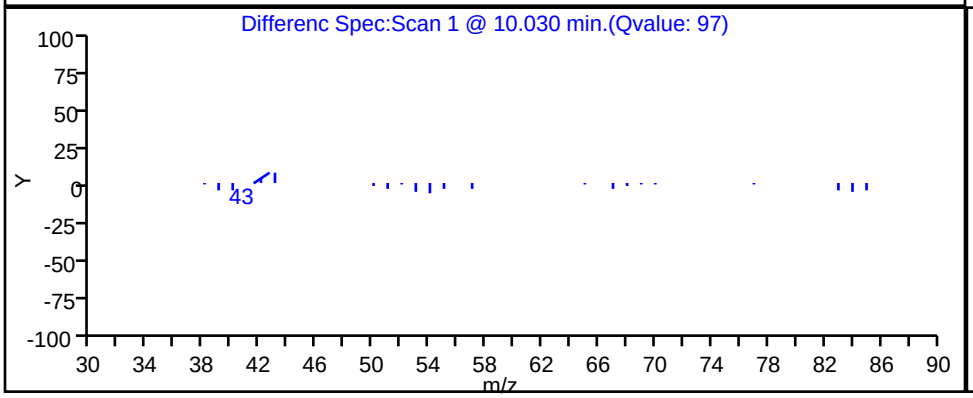


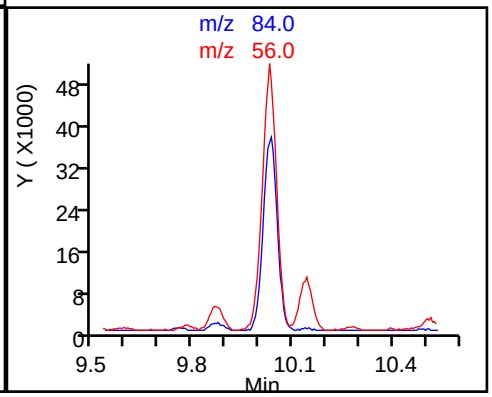










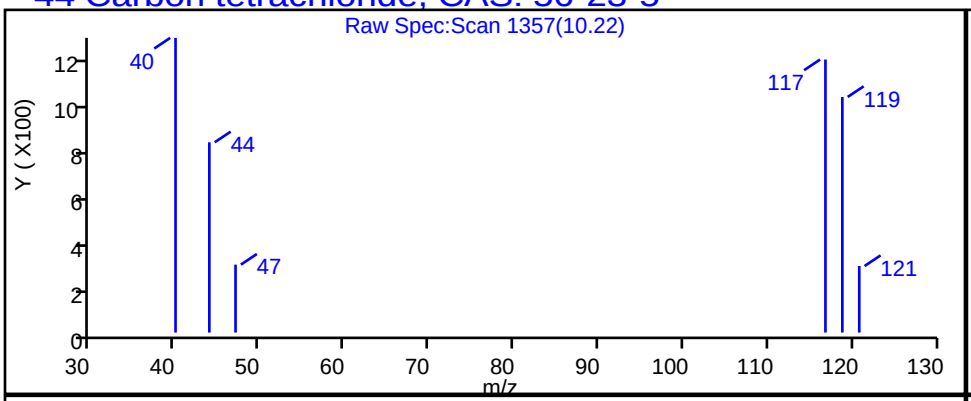


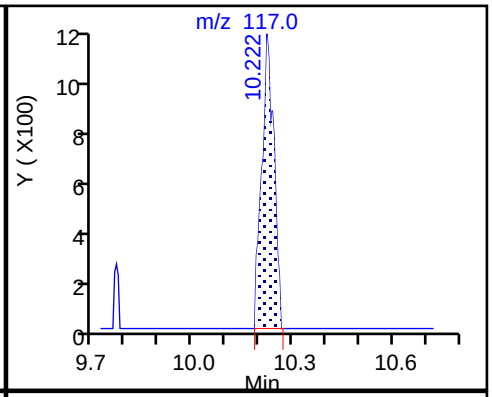
TestAmerica Burlington

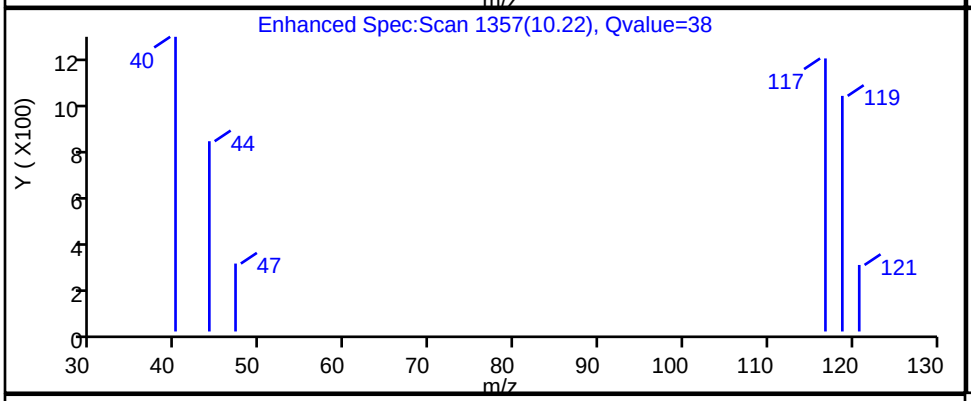
Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-16.D

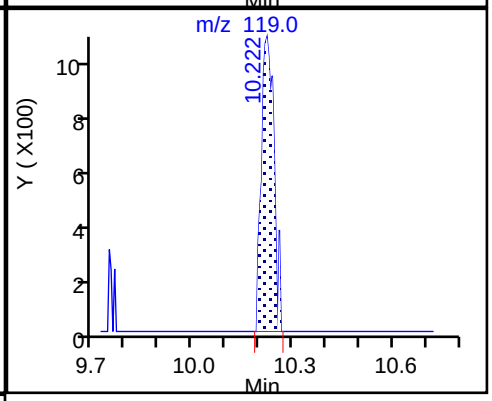
Injection Date:	16-Apr-2018 23:01:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-1	Lab Sample ID:	200-43091-1		
Client ID:	SV001				
Operator ID:	pad	ALS Bottle#:	16	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

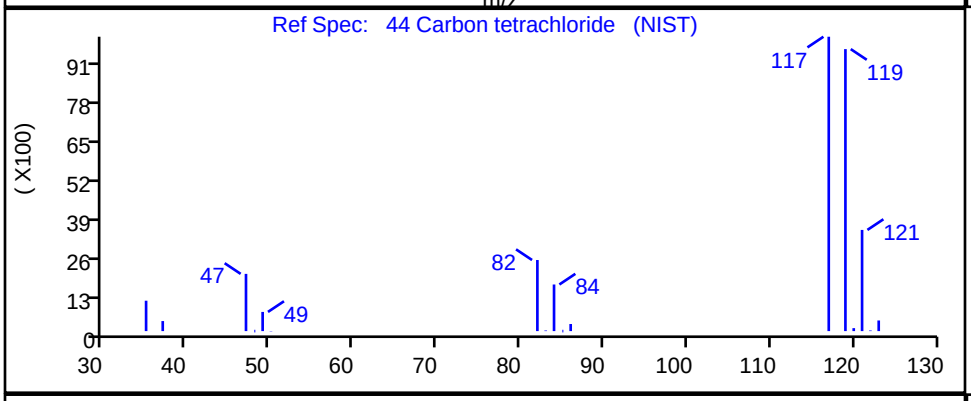
44 Carbon tetrachloride, CAS: 56-23-5

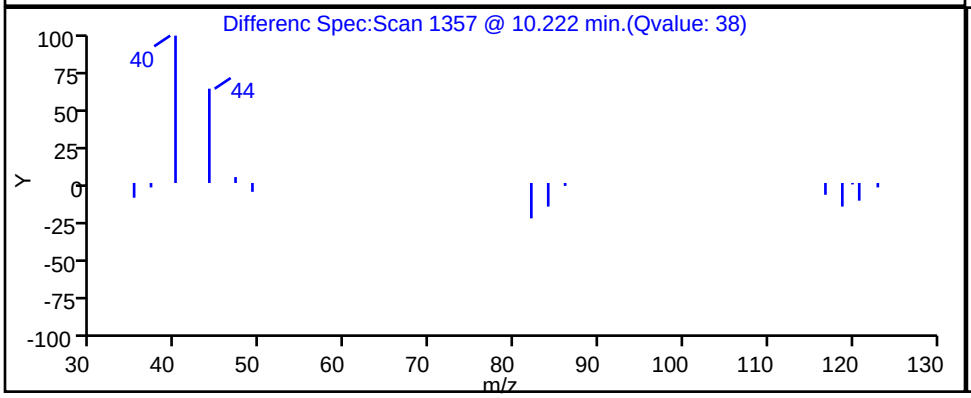


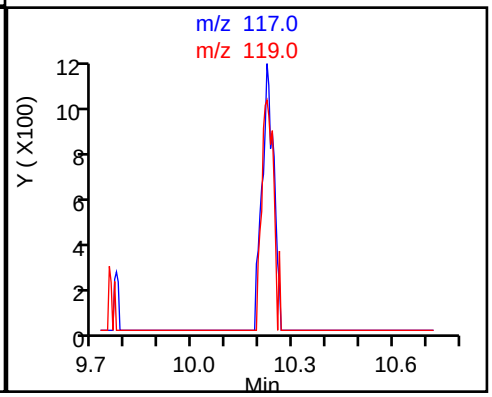








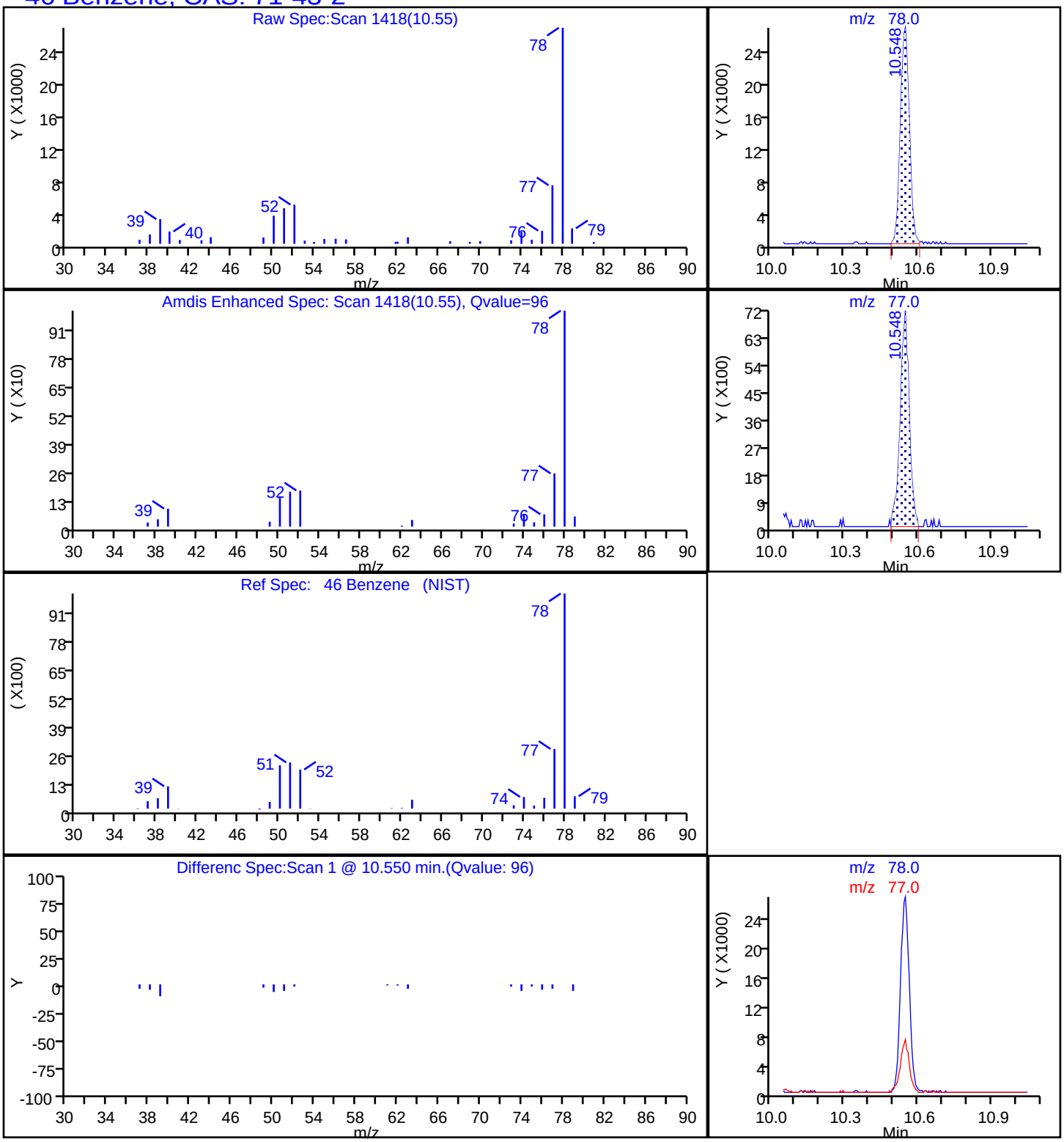




TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-16.D				
Injection Date:	16-Apr-2018 23:01:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-1	Lab Sample ID:	200-43091-1		
Client ID:	SV001				
Operator ID:	pad	ALS Bottle#:	16	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

46 Benzene, CAS: 71-43-2

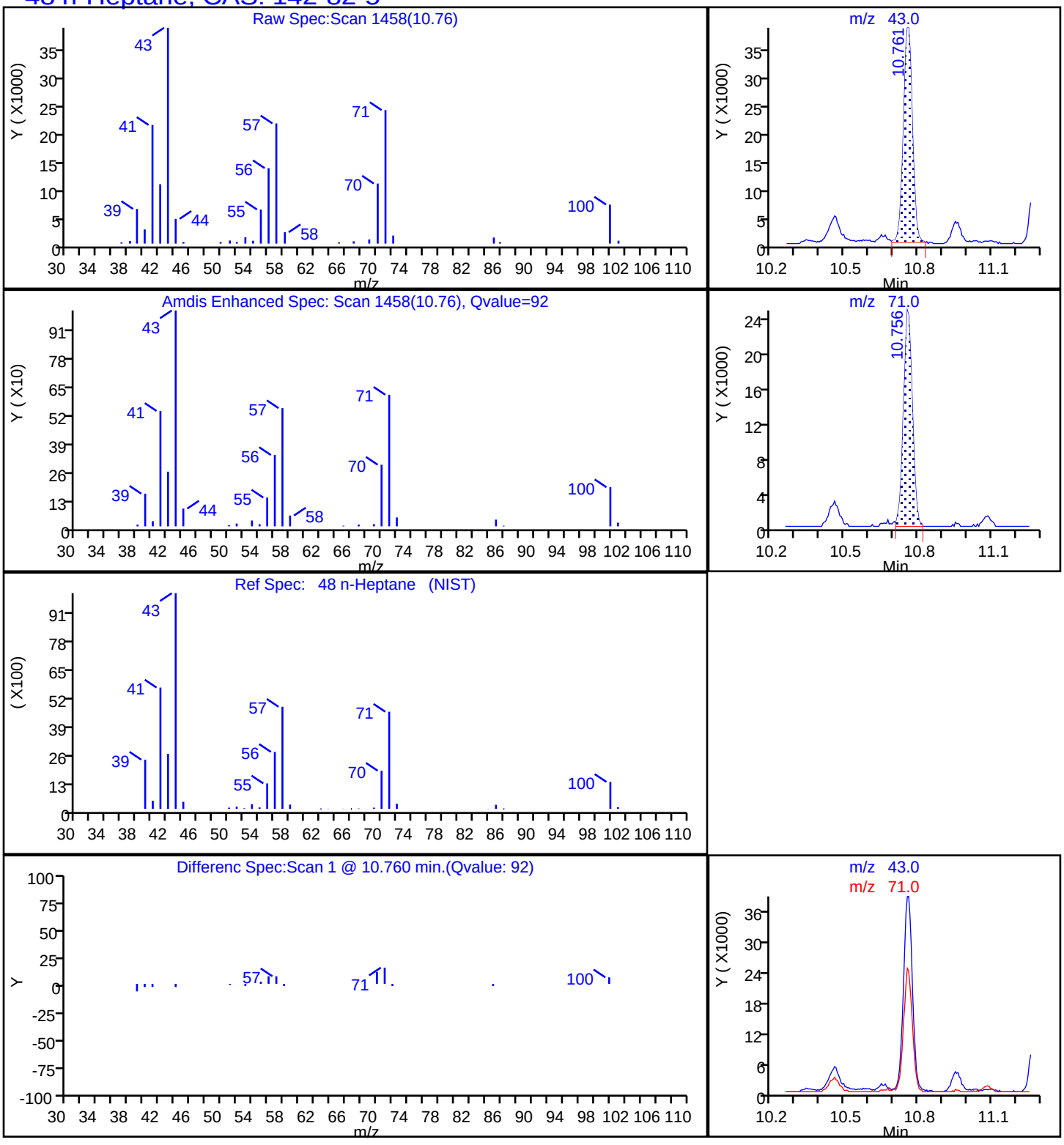


TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-16.D

Injection Date:	16-Apr-2018 23:01:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-1	Lab Sample ID:	200-43091-1		
Client ID:	SV001				
Operator ID:	pad	ALS Bottle#:	16	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

48 n-Heptane, CAS: 142-82-5

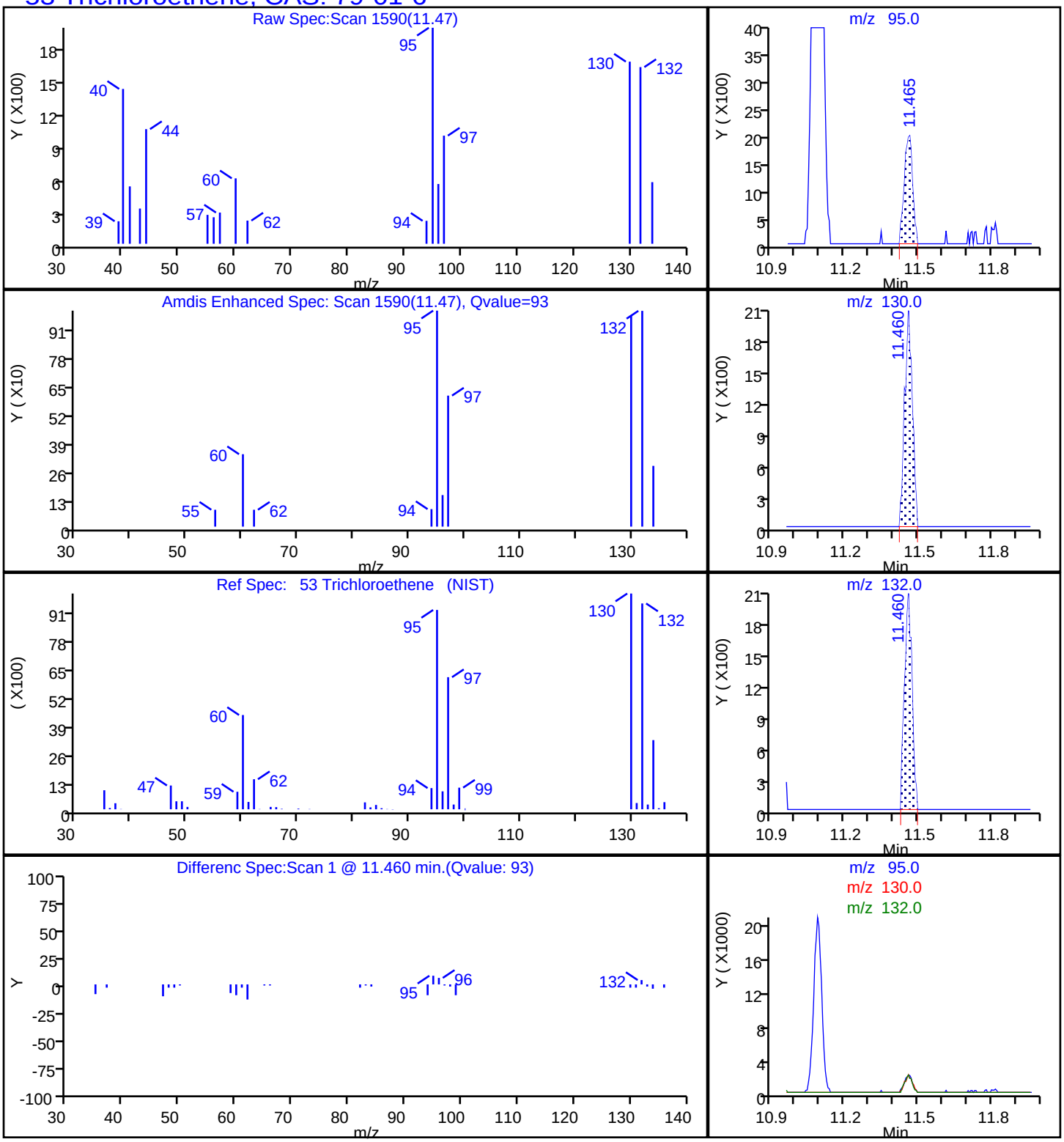


TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-16.D

Injection Date:	16-Apr-2018 23:01:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-1	Lab Sample ID:	200-43091-1		
Client ID:	SV001				
Operator ID:	pad	ALS Bottle#:	16	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

53 Trichloroethene, CAS: 79-01-6

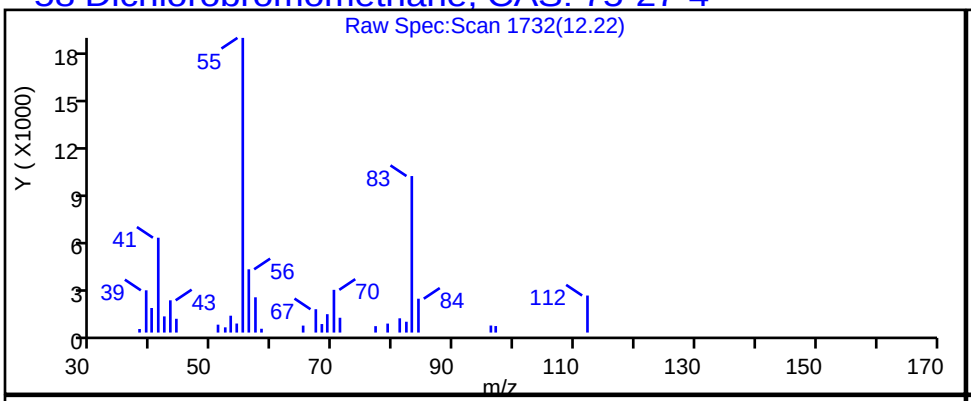


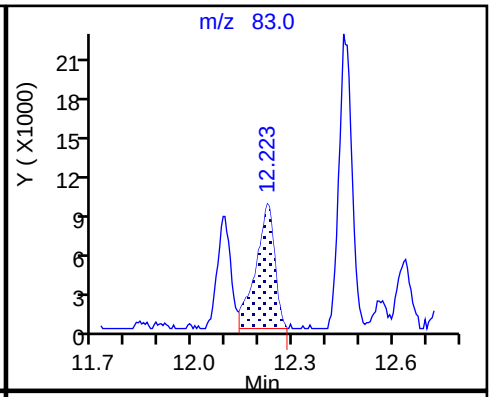
TestAmerica Burlington

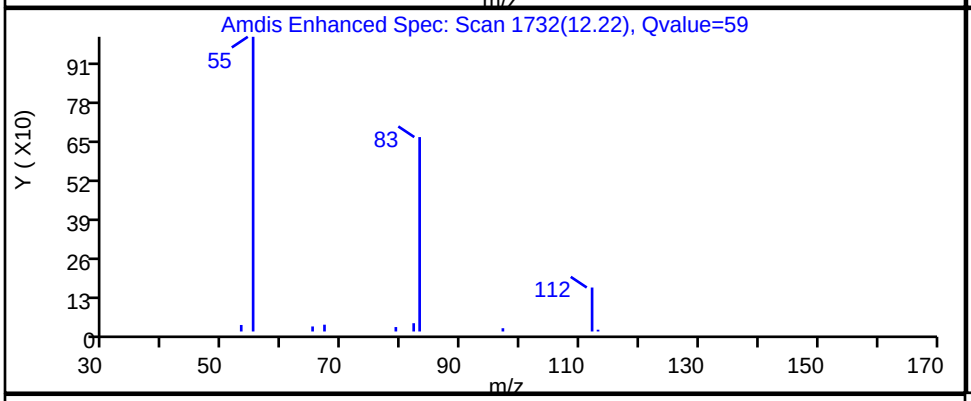
Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-16.D

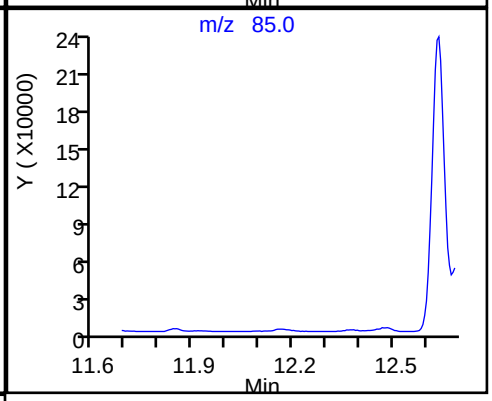
Injection Date:	16-Apr-2018 23:01:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-1	Lab Sample ID:	200-43091-1		
Client ID:	SV001				
Operator ID:	pad	ALS Bottle#:	16	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

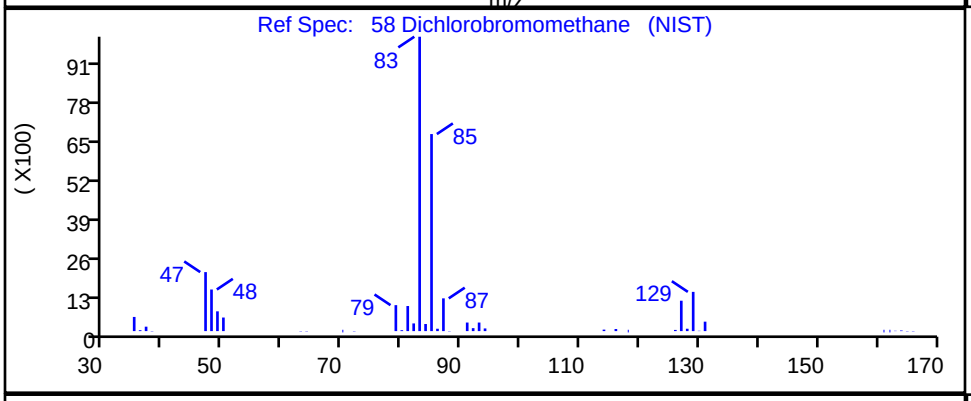
58 Dichlorobromomethane, CAS: 75-27-4

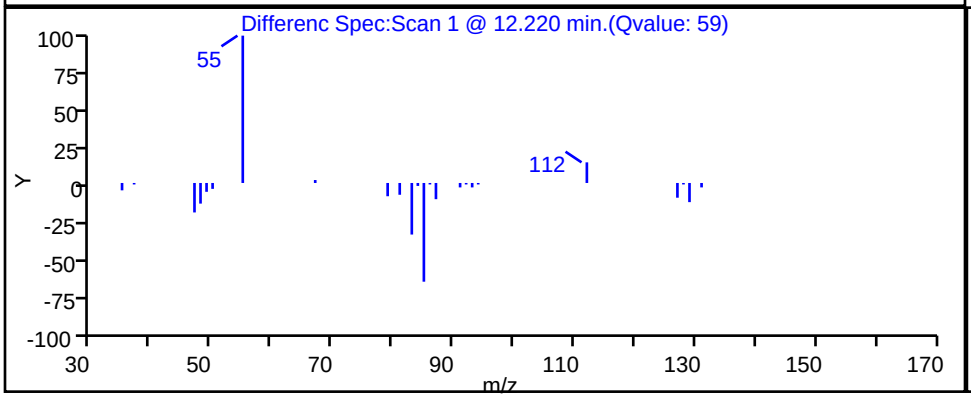


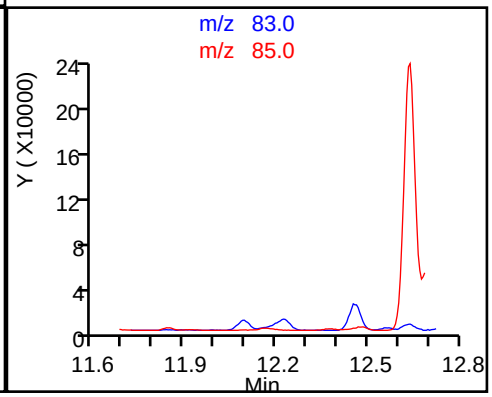








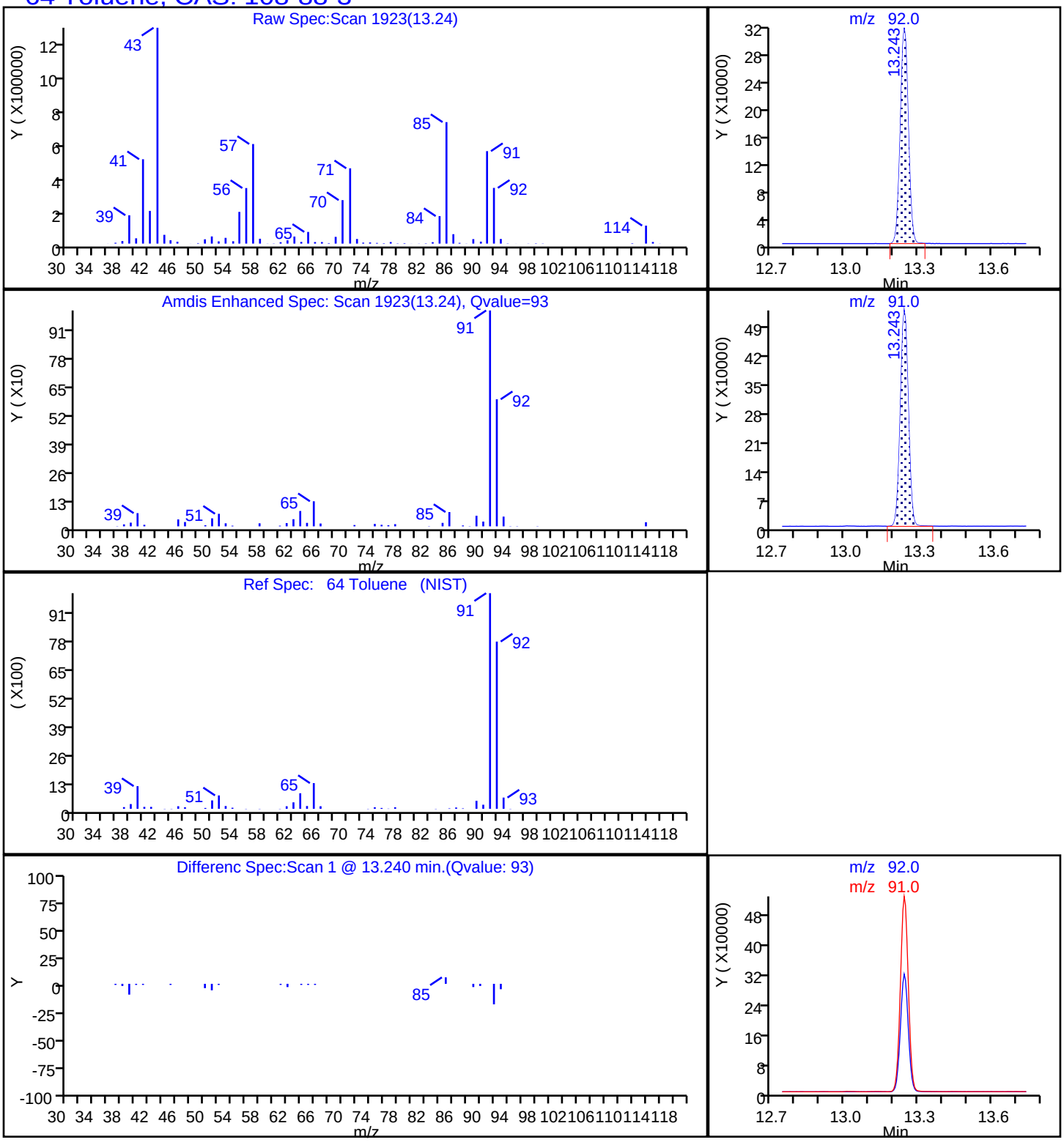




TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-16.D				
Injection Date:	16-Apr-2018 23:01:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-1	Lab Sample ID:	200-43091-1		
Client ID:	SV001				
Operator ID:	pad	ALS Bottle#:	16	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

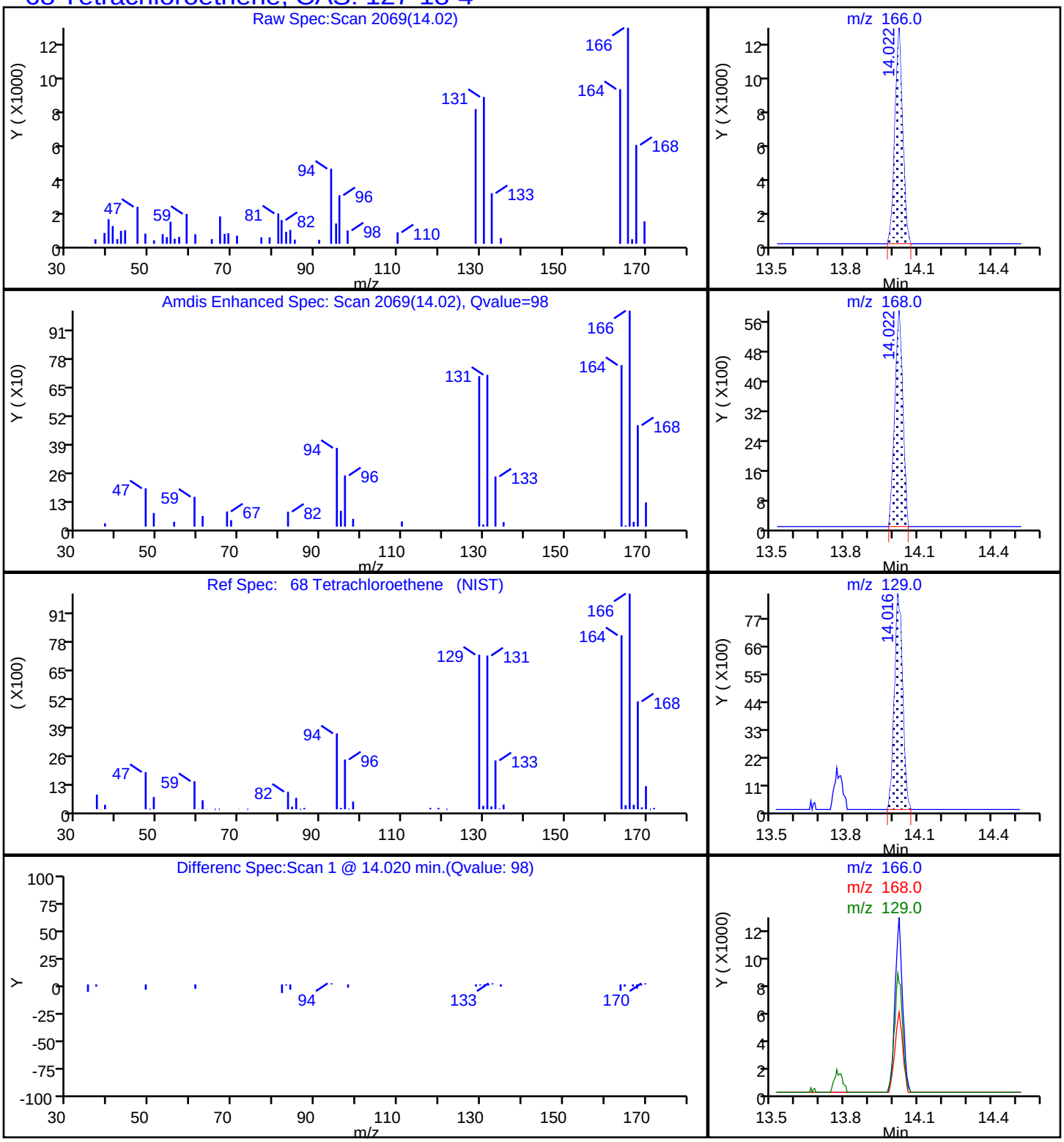
64 Toluene, CAS: 108-88-3



TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-16.D				
Injection Date:	16-Apr-2018 23:01:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-1	Lab Sample ID:	200-43091-1		
Client ID:	SV001				
Operator ID:	pad	ALS Bottle#:	16	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

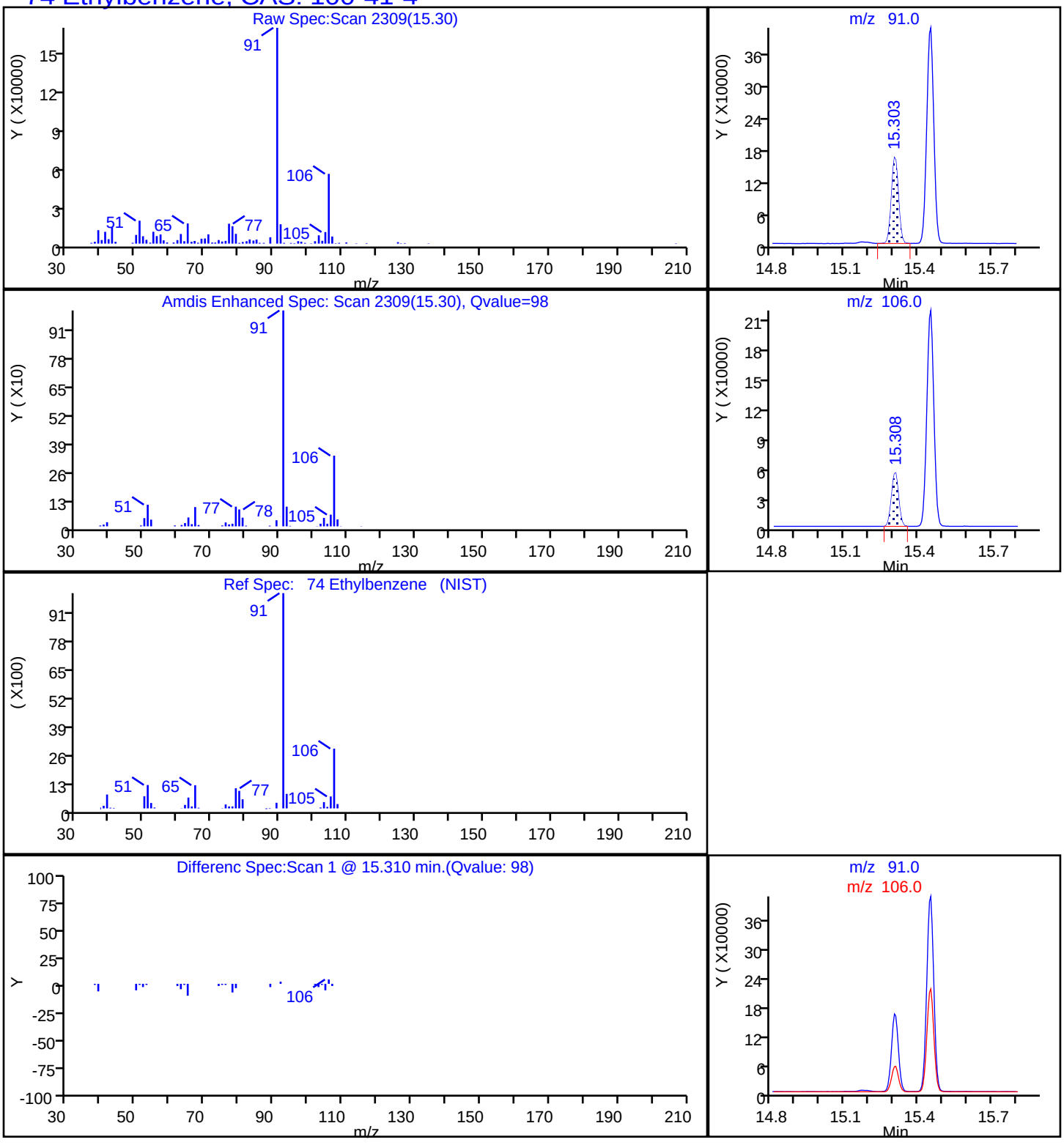
68 Tetrachloroethene, CAS: 127-18-4



TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-16.D				
Injection Date:	16-Apr-2018 23:01:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-1	Lab Sample ID:	200-43091-1		
Client ID:	SV001				
Operator ID:	pad	ALS Bottle#:	16	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

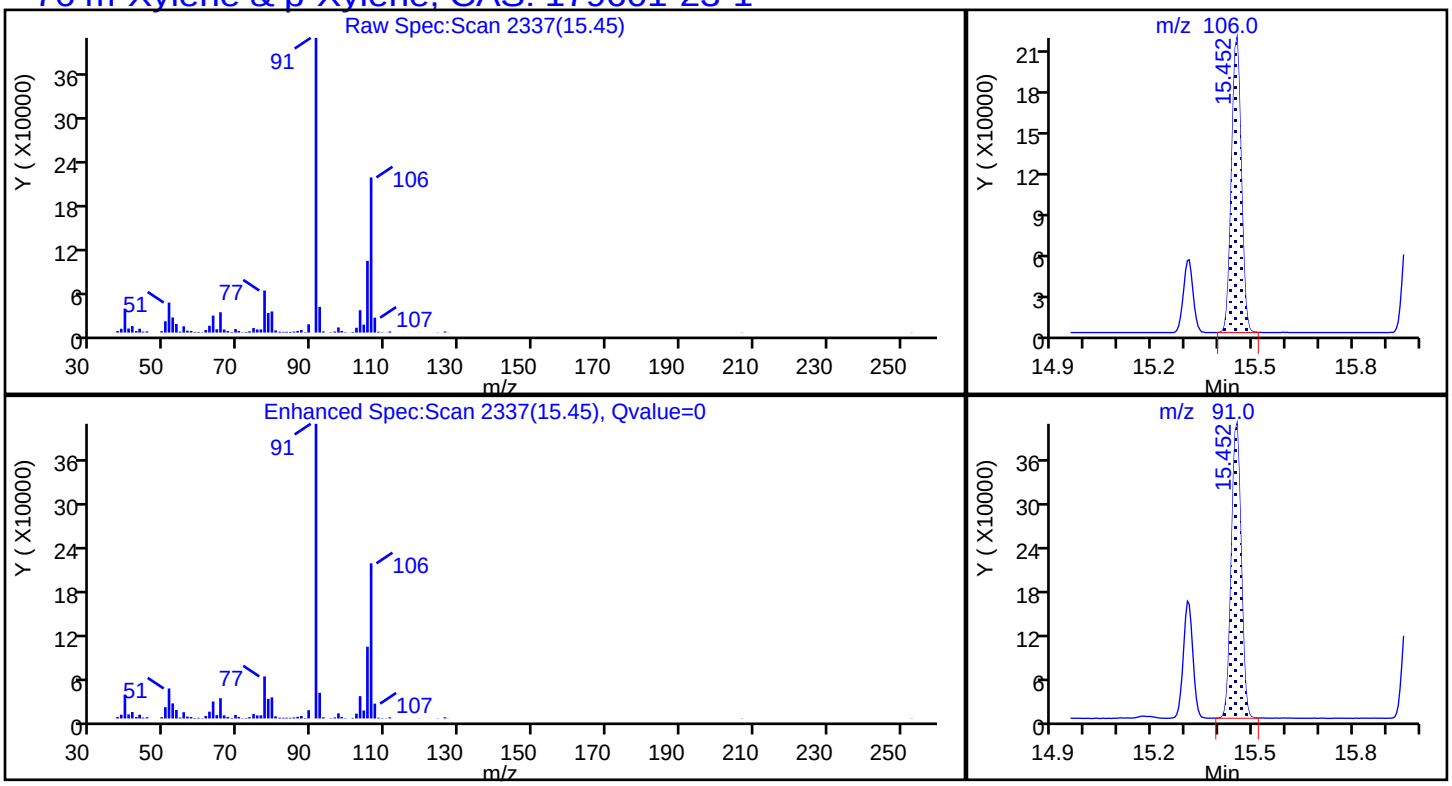
74 Ethylbenzene, CAS: 100-41-4

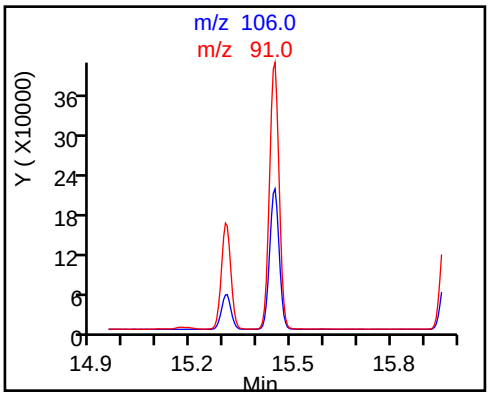


TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-16.D				
Injection Date:	16-Apr-2018 23:01:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-1	Lab Sample ID:	200-43091-1		
Client ID:	SV001				
Operator ID:	pad	ALS Bottle#:	16	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

76 m-Xylene & p-Xylene, CAS: 179601-23-1

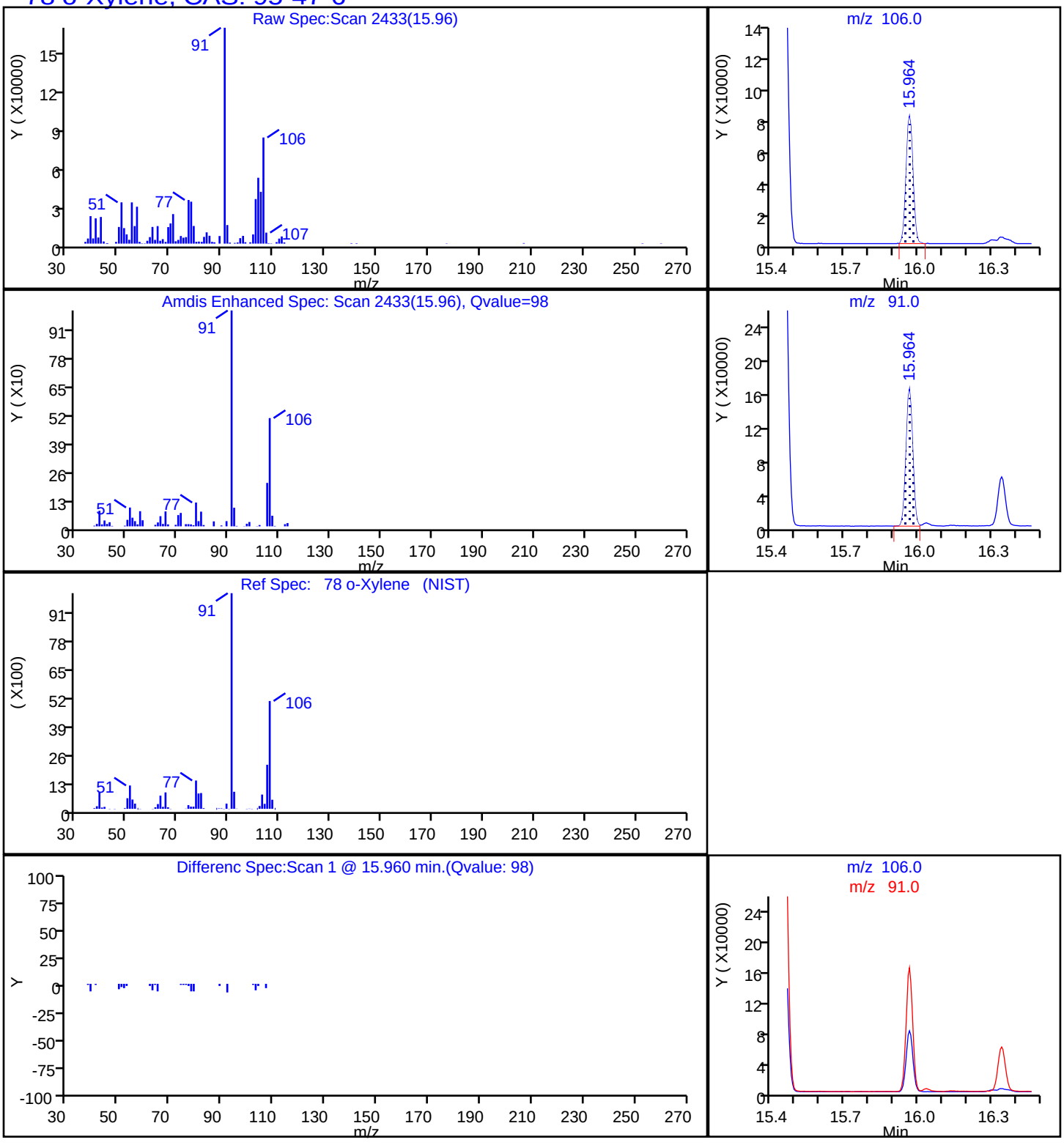




TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-16.D				
Injection Date:	16-Apr-2018 23:01:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-1	Lab Sample ID:	200-43091-1		
Client ID:	SV001				
Operator ID:	pad	ALS Bottle#:	16	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

78 o-Xylene, CAS: 95-47-6

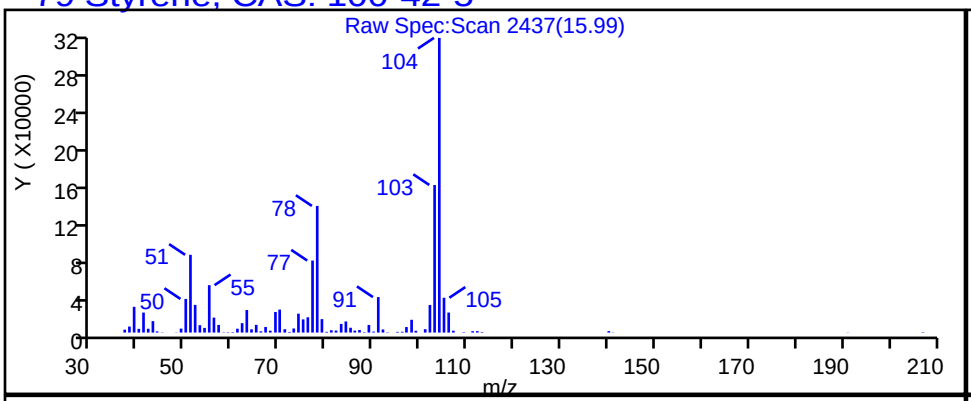


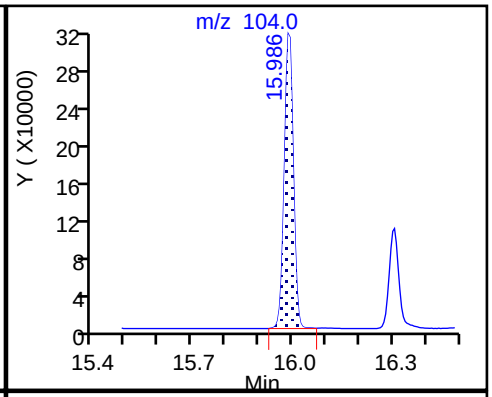
TestAmerica Burlington

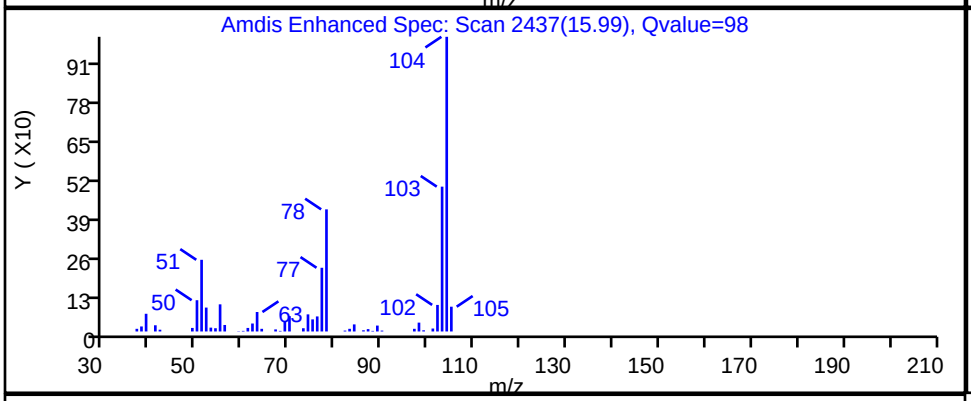
Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-16.D

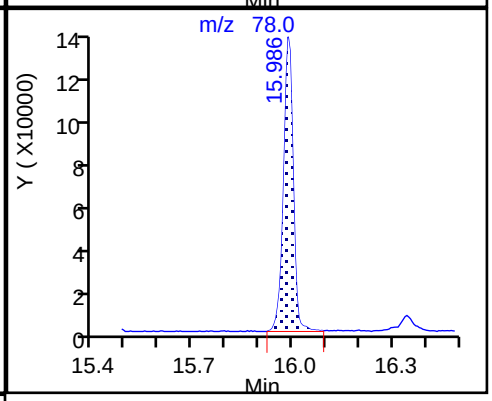
Injection Date:	16-Apr-2018 23:01:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-1	Lab Sample ID:	200-43091-1		
Client ID:	SV001				
Operator ID:	pad	ALS Bottle#:	16	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

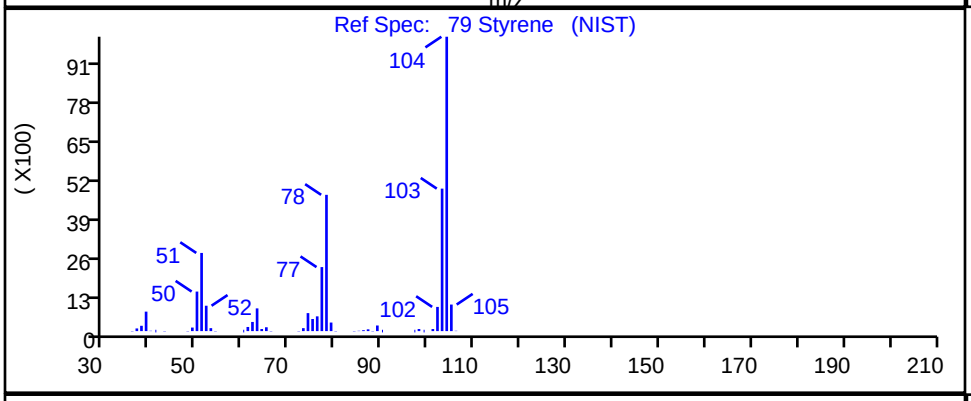
79 Styrene, CAS: 100-42-5

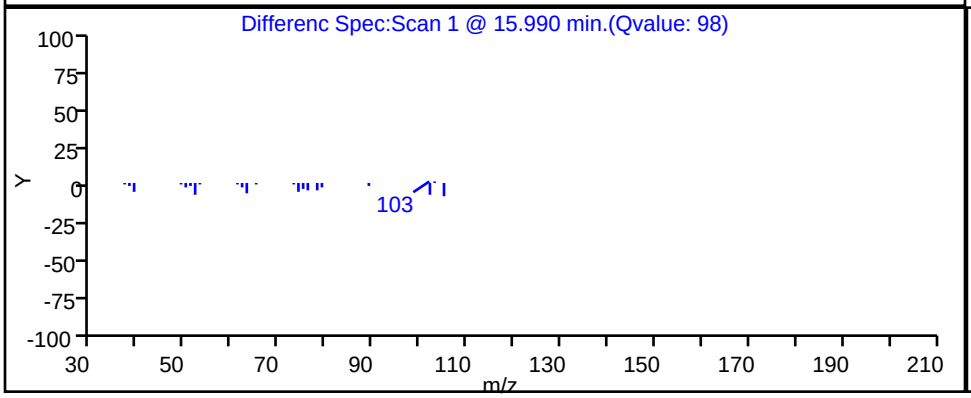


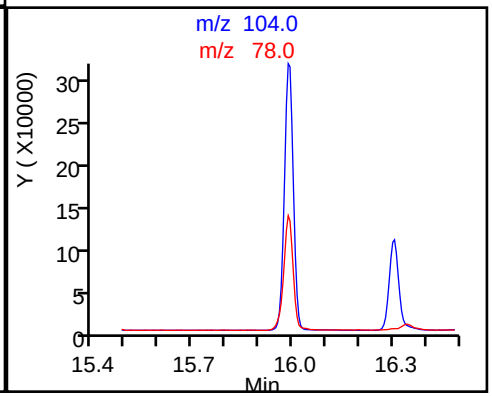








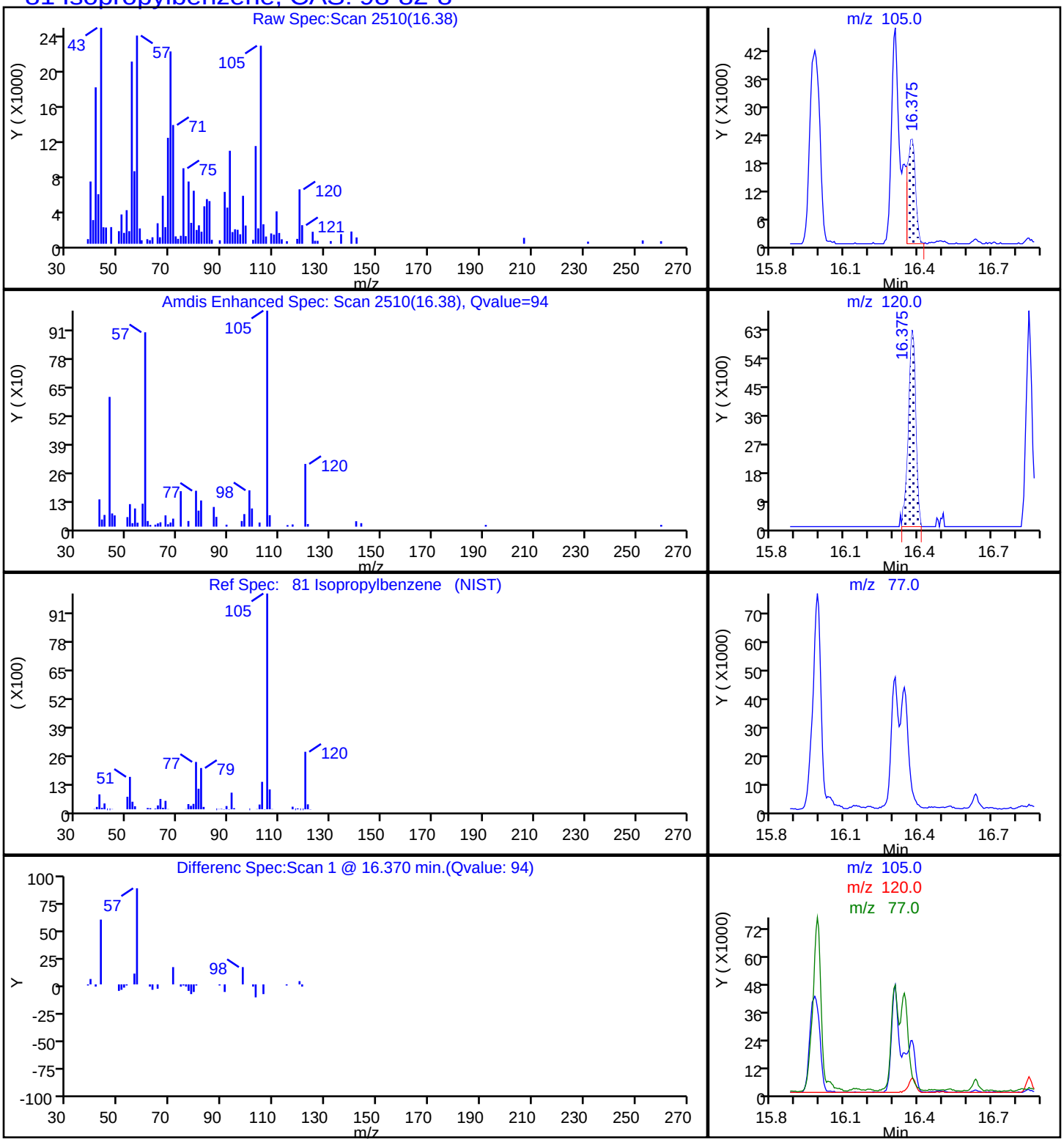




TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-16.D				
Injection Date:	16-Apr-2018 23:01:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-1	Lab Sample ID:	200-43091-1		
Client ID:	SV001				
Operator ID:	pad	ALS Bottle#:	16	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

81 Isopropylbenzene, CAS: 98-82-8

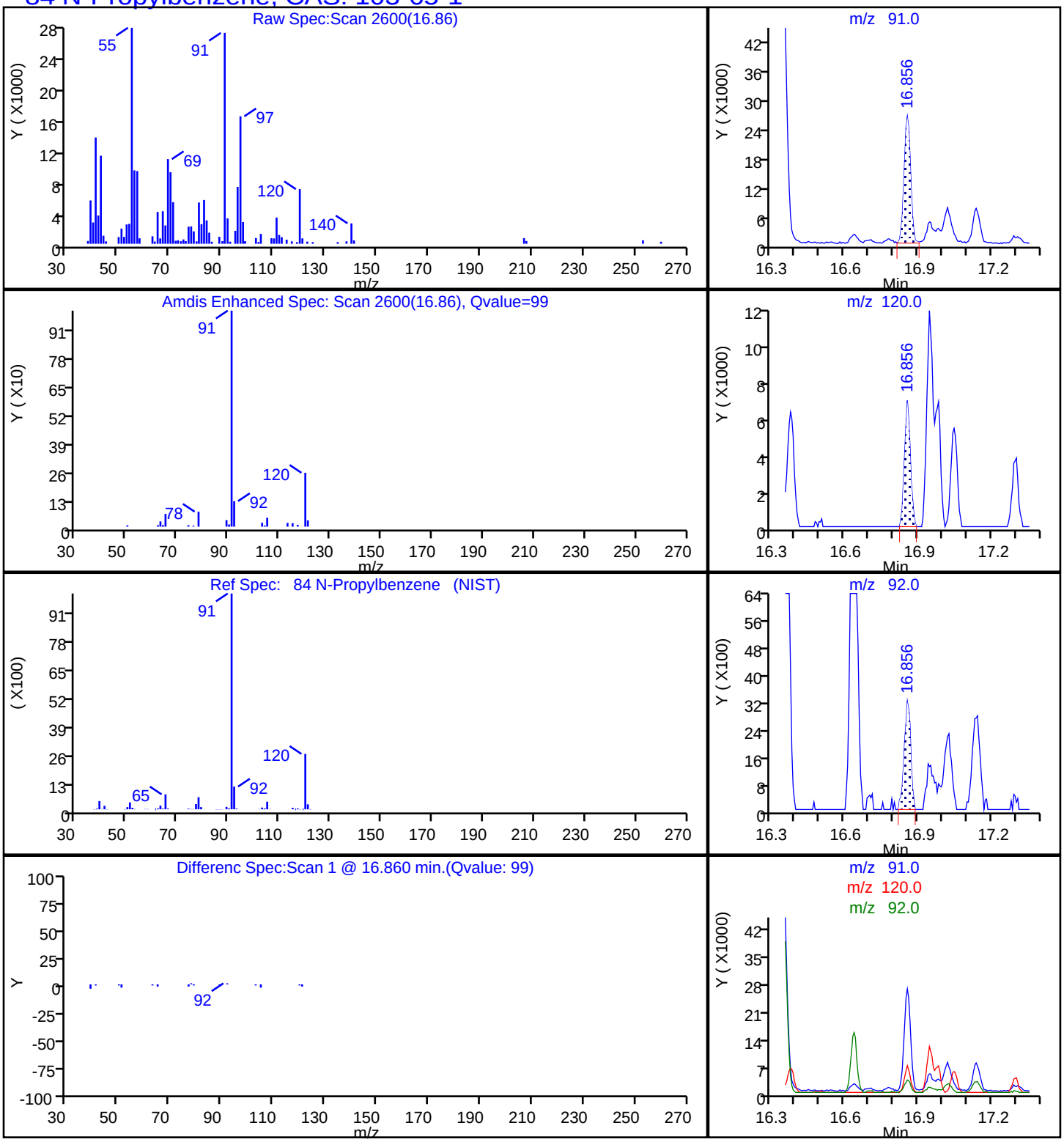


TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-16.D

Injection Date:	16-Apr-2018 23:01:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-1	Lab Sample ID:	200-43091-1		
Client ID:	SV001				
Operator ID:	pad	ALS Bottle#:	16	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

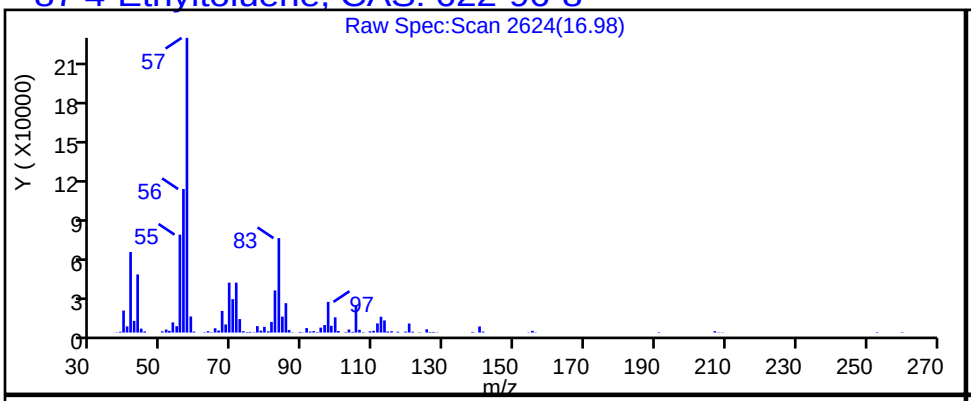
84 N-Propylbenzene, CAS: 103-65-1

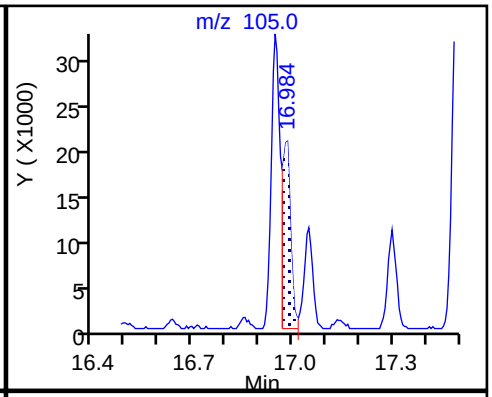


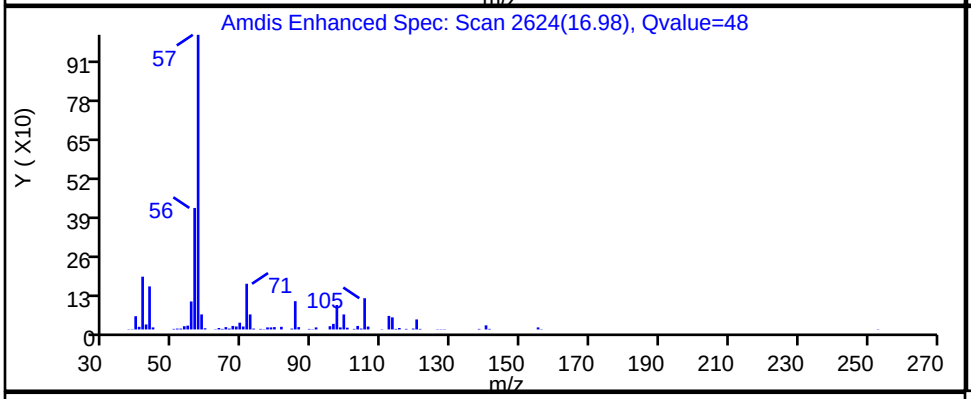
TestAmerica Burlington

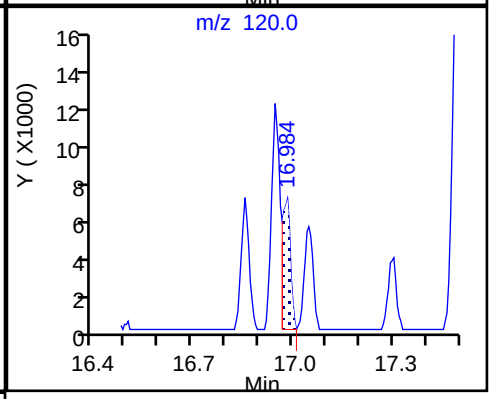
Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-16.D				
Injection Date:	16-Apr-2018 23:01:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-1	Lab Sample ID:	200-43091-1		
Client ID:	SV001				
Operator ID:	pad	ALS Bottle#:	16	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

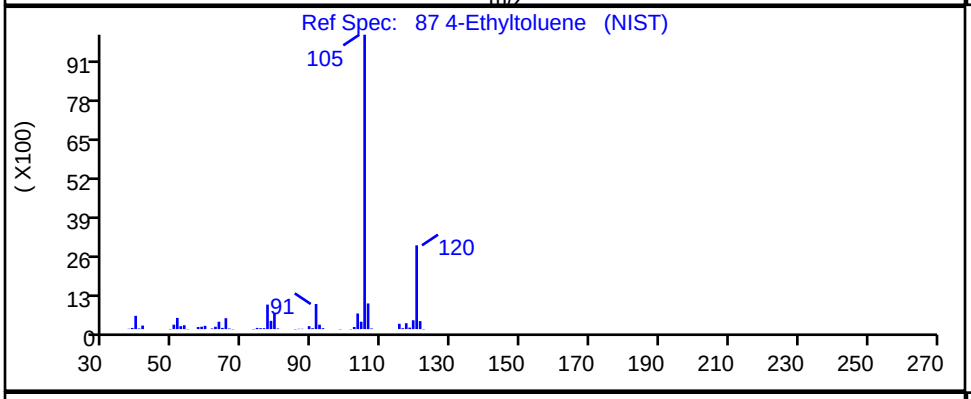
87 4-Ethyltoluene, CAS: 622-96-8

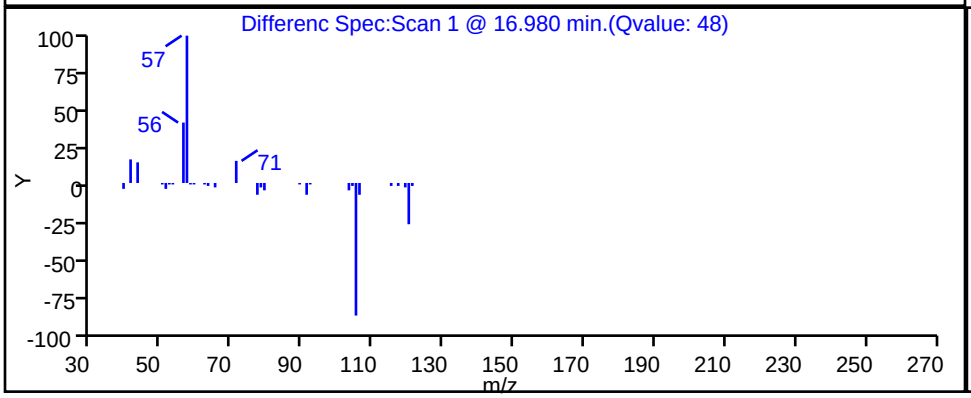


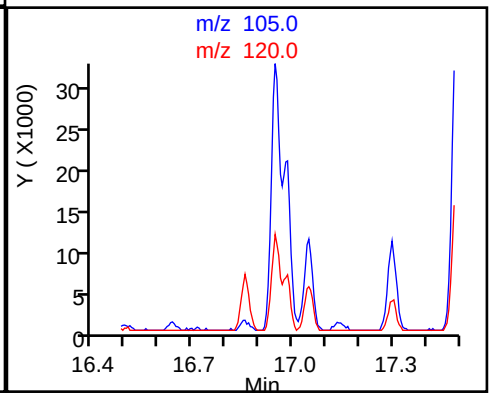










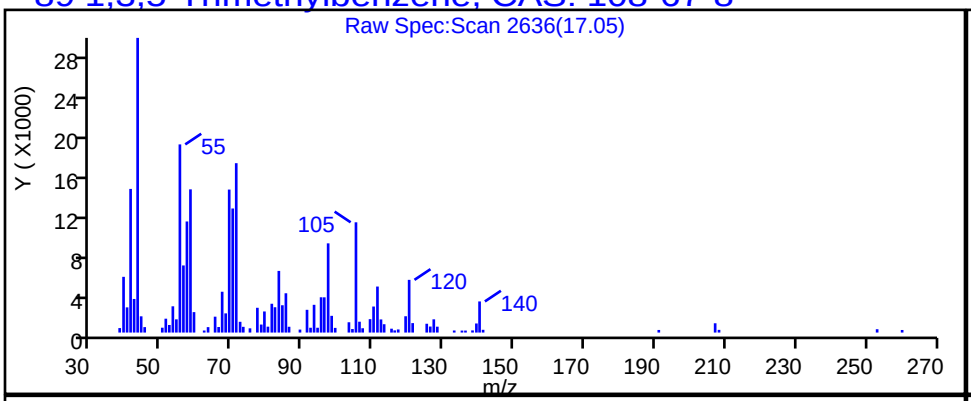


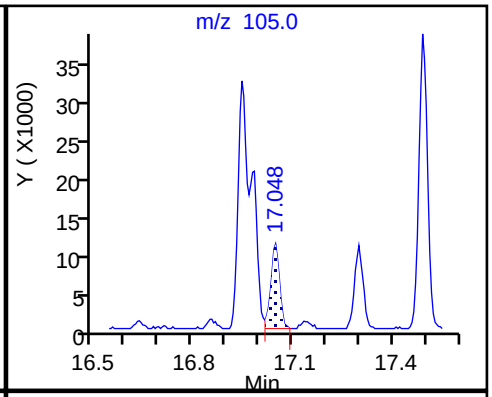
TestAmerica Burlington

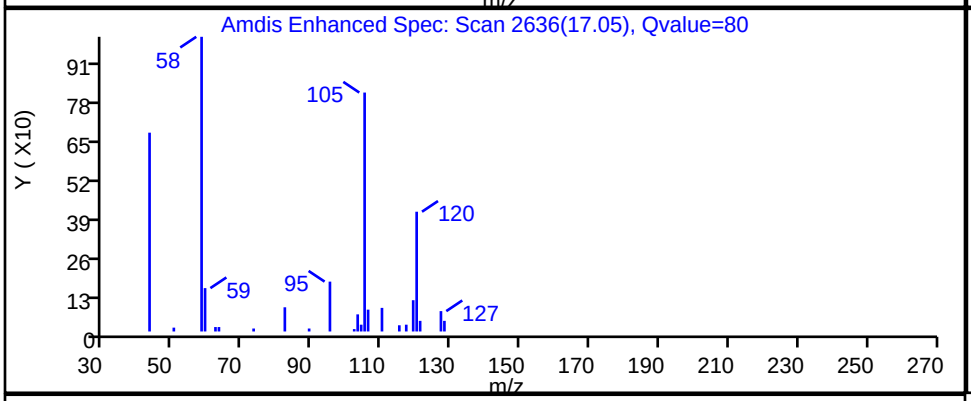
Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-16.D

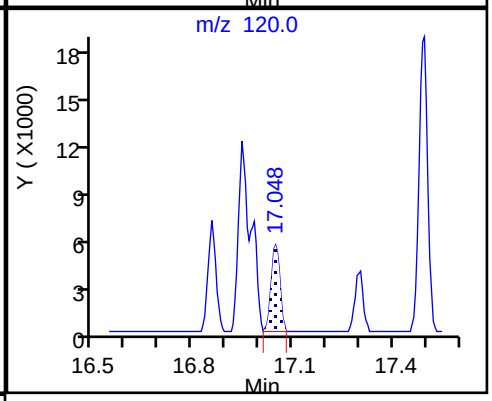
Injection Date:	16-Apr-2018 23:01:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-1	Lab Sample ID:	200-43091-1		
Client ID:	SV001				
Operator ID:	pad	ALS Bottle#:	16	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

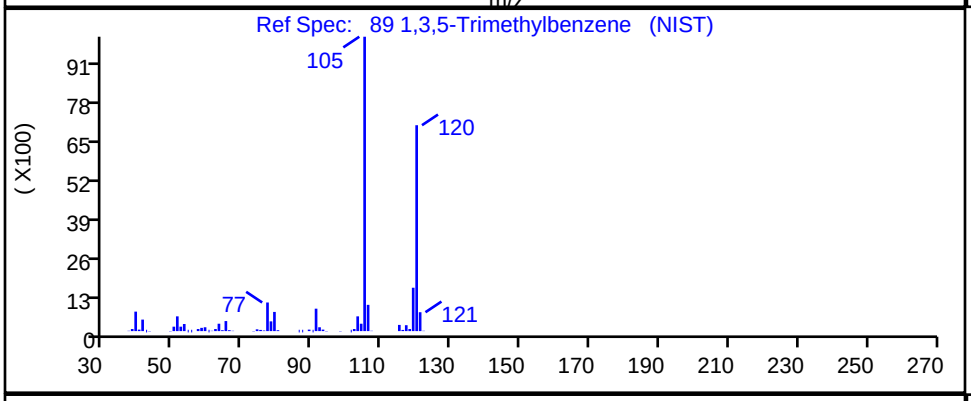
89 1,3,5-Trimethylbenzene, CAS: 108-67-8

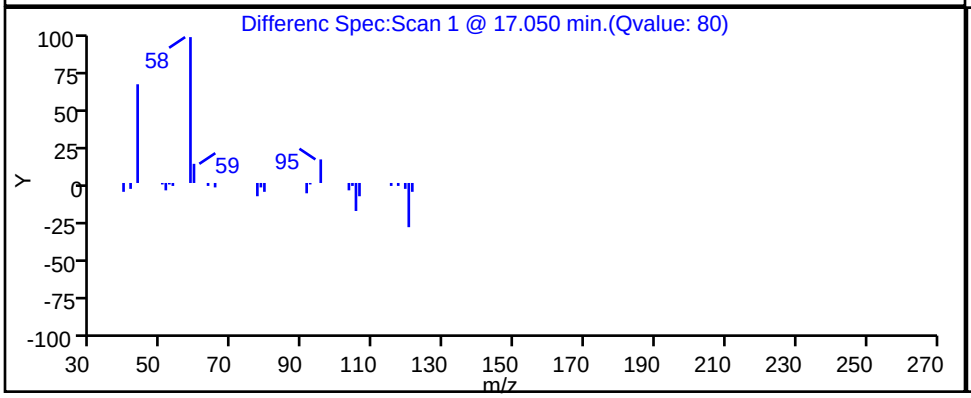


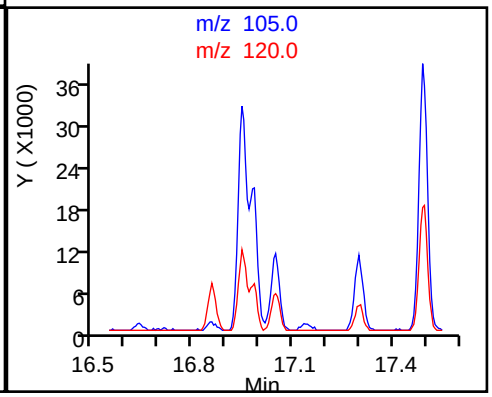










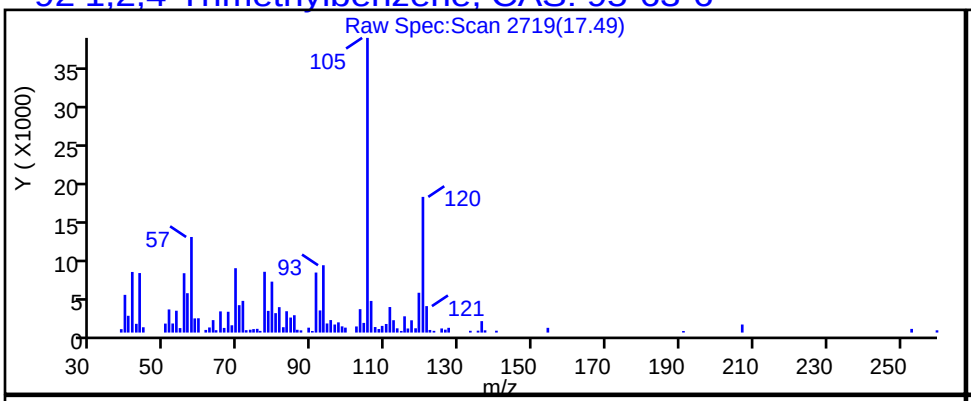


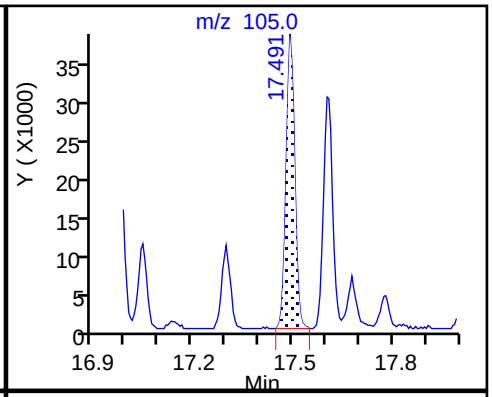
TestAmerica Burlington

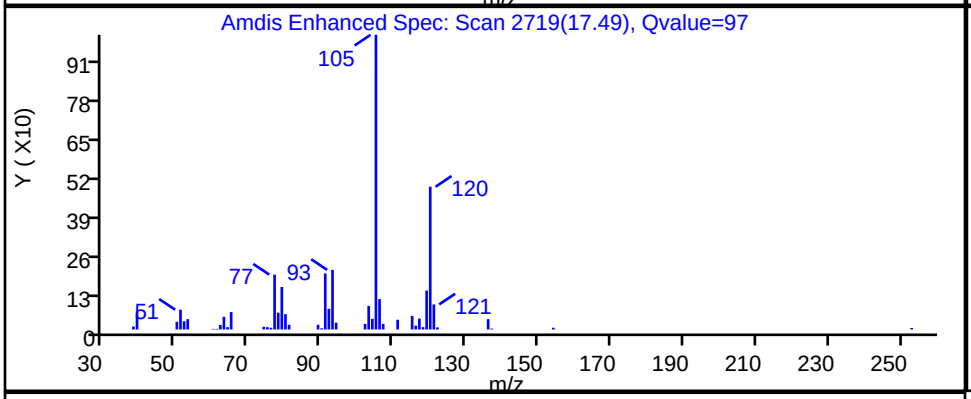
Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-16.D

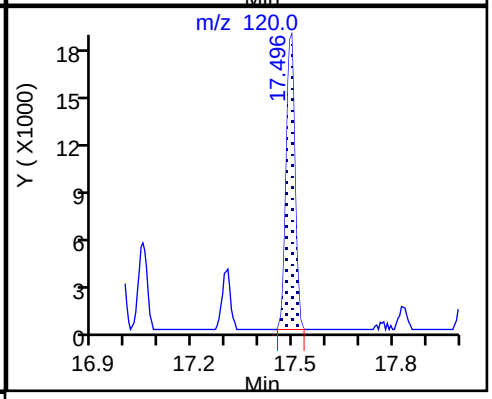
Injection Date:	16-Apr-2018 23:01:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-1	Lab Sample ID:	200-43091-1		
Client ID:	SV001				
Operator ID:	pad	ALS Bottle#:	16	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

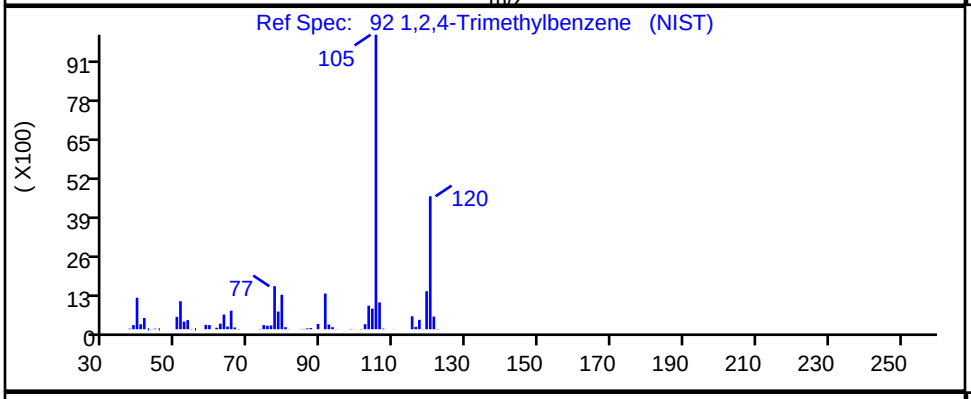
92 1,2,4-Trimethylbenzene, CAS: 95-63-6

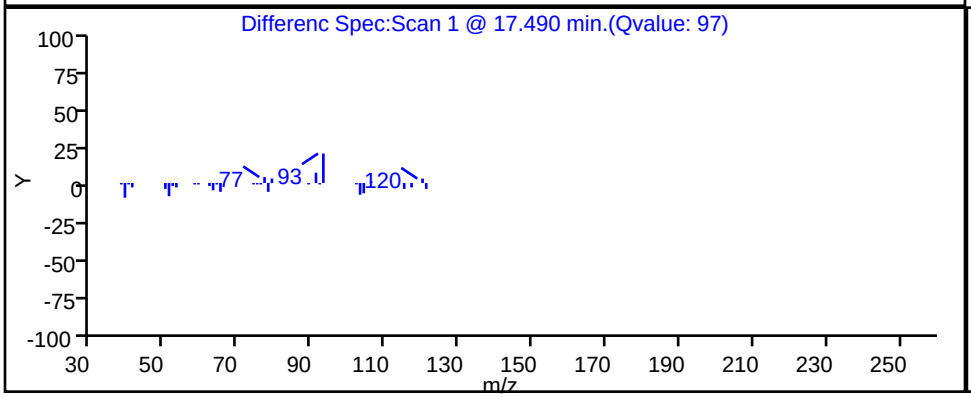


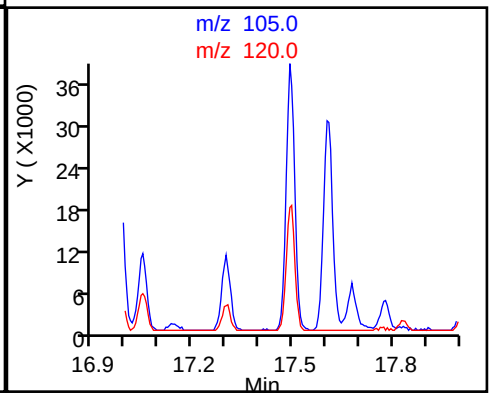








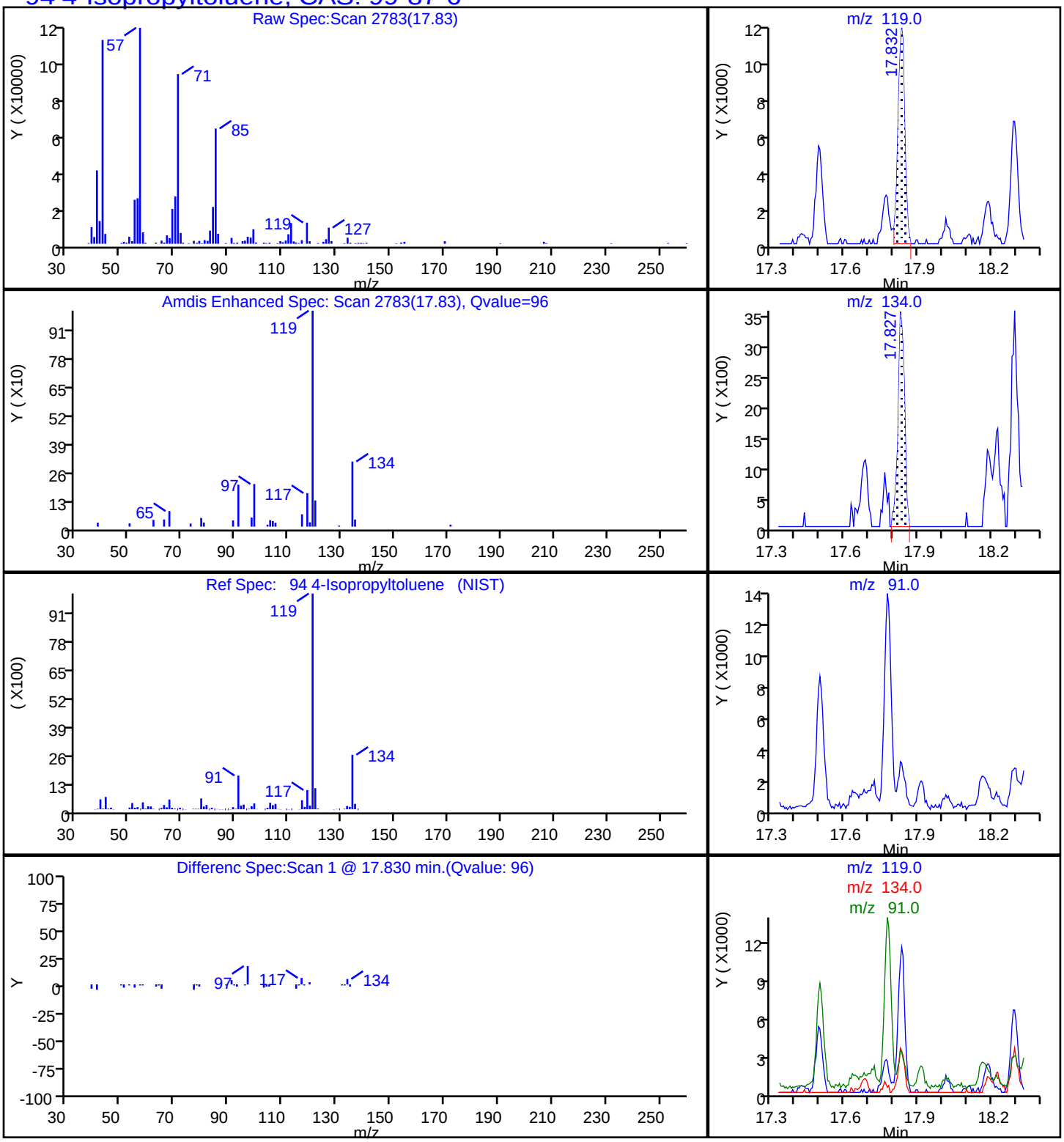




TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-16.D				
Injection Date:	16-Apr-2018 23:01:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-1	Lab Sample ID:	200-43091-1		
Client ID:	SV001				
Operator ID:	pad	ALS Bottle#:	16	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

94 4-Isopropyltoluene, CAS: 99-87-6



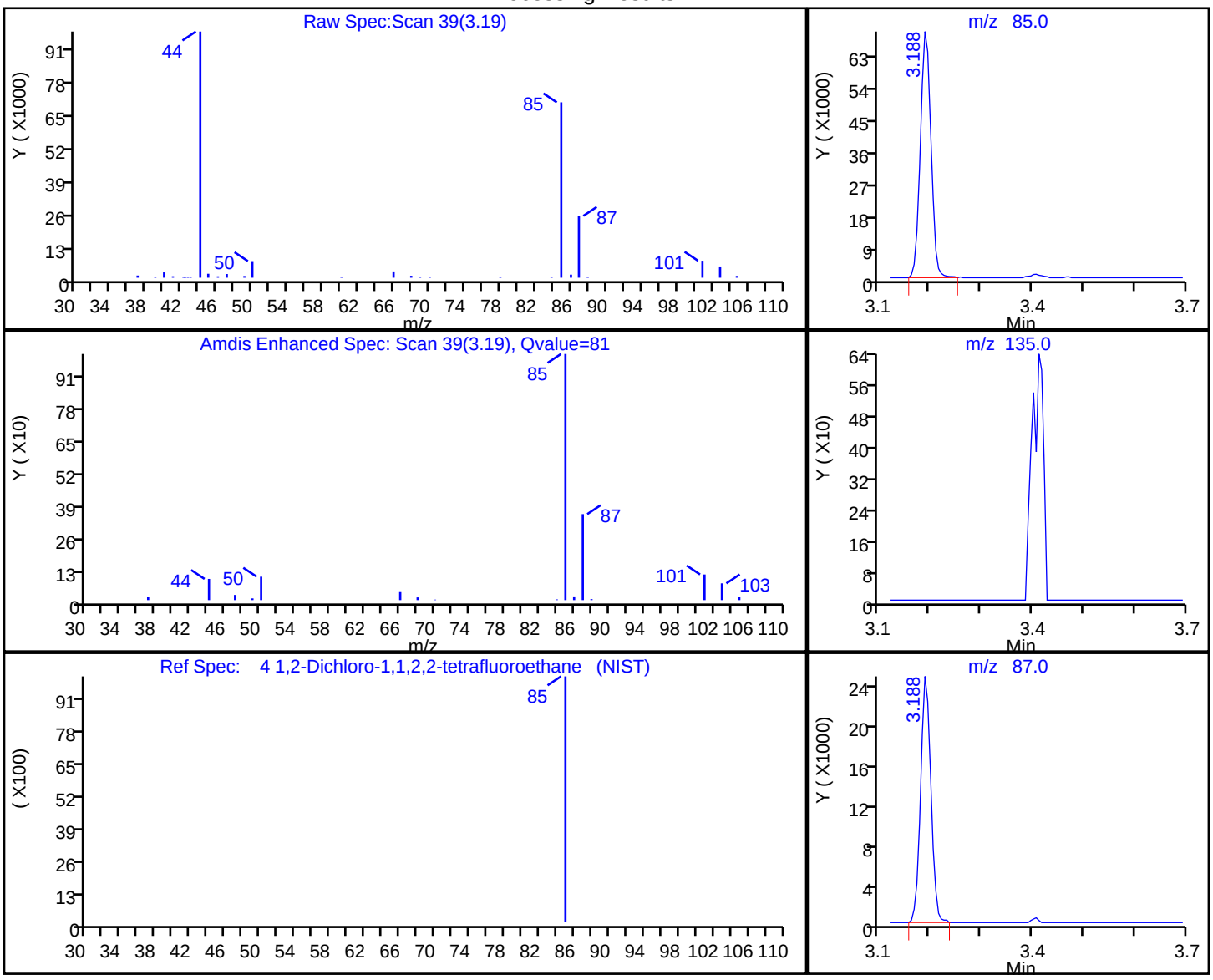
User Disabled Compound Report

TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-16.D				
Injection Date:	16-Apr-2018 23:01:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-1	Lab Sample ID:	200-43091-1		
Client ID:	SV001				
Operator ID:	pad	ALS Bottle#:	16	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

4 1,2-Dichloro-1,1,2,2-tetrafluoroethane, CAS: 76-14-2

Processing Results



RT	Mass	Response	Amount
3.19	85.00	101034	1.252273
3.41	135.00	0	
3.19	87.00	34574	

Reviewer: phamvu, 17-Apr-2018 15:03:19

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

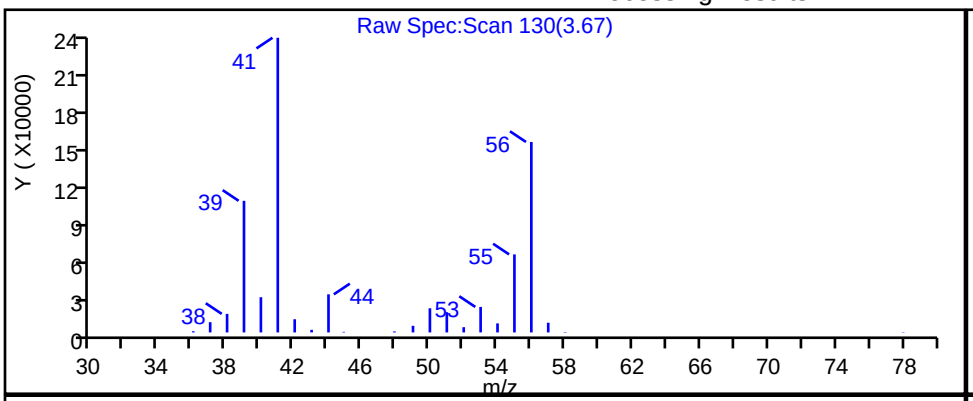
User Disabled Compound Report

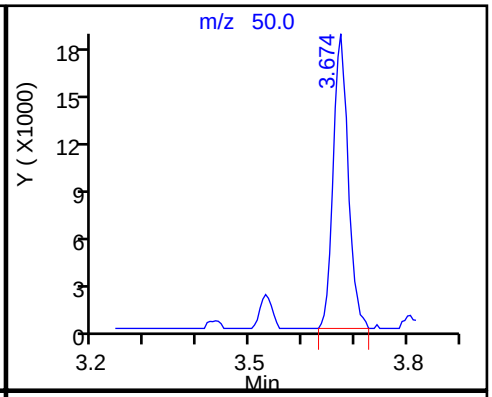
TestAmerica Burlington

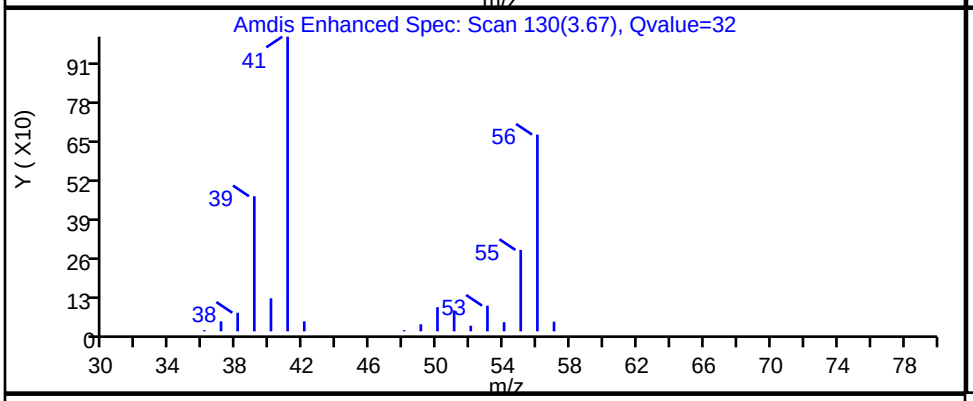
Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-16.D				
Injection Date:	16-Apr-2018 23:01:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-1	Lab Sample ID:	200-43091-1		
Client ID:	SV001				
Operator ID:	pad	ALS Bottle#:	16	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

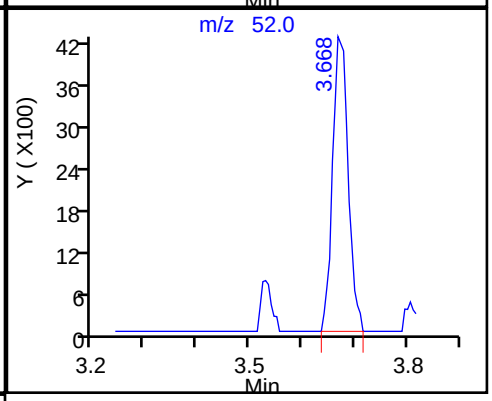
5 Chloromethane, CAS: 74-87-3

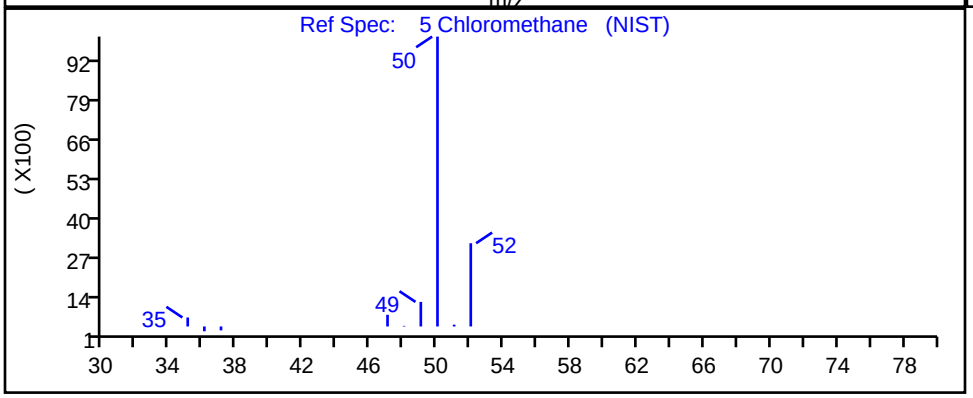
Processing Results











RT	Mass	Response	Amount
3.67	50.00	37893	1.523010
3.67	52.00	8749	

Reviewer: phamvu, 17-Apr-2018 15:03:19

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

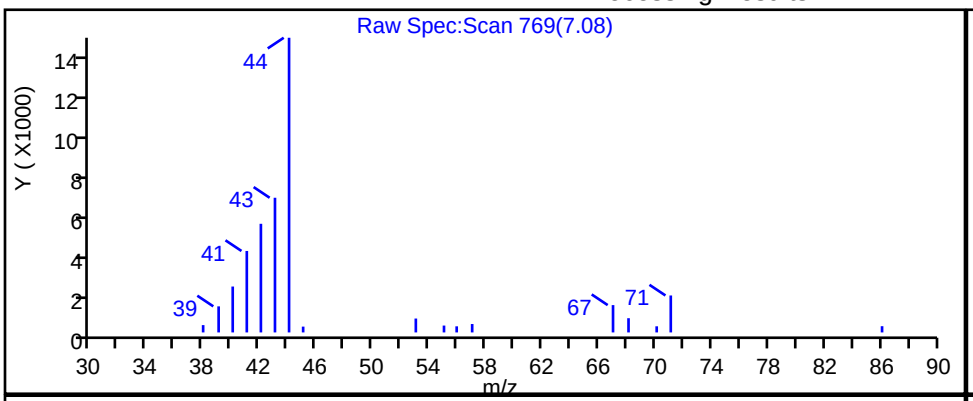
User Disabled Compound Report

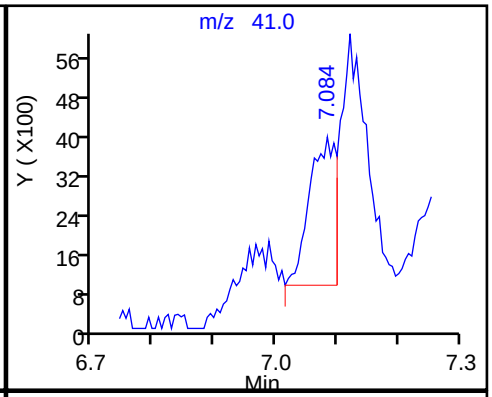
TestAmerica Burlington

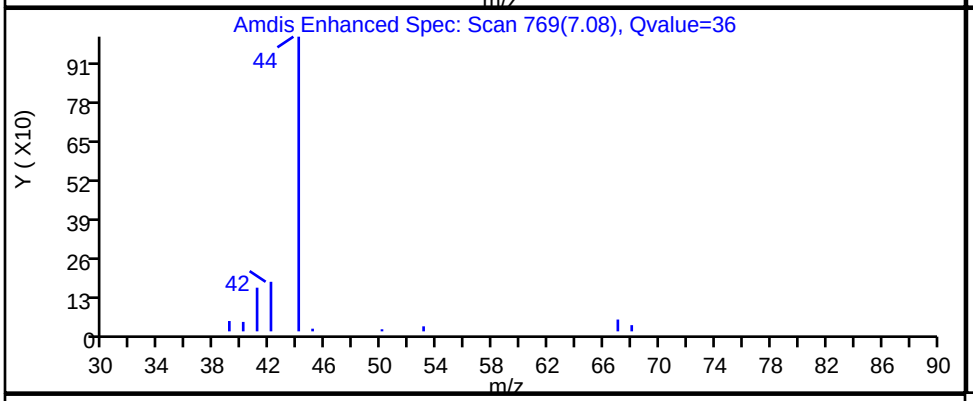
Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-16.D				
Injection Date:	16-Apr-2018 23:01:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-1	Lab Sample ID:	200-43091-1		
Client ID:	SV001				
Operator ID:	pad	ALS Bottle#:	16	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

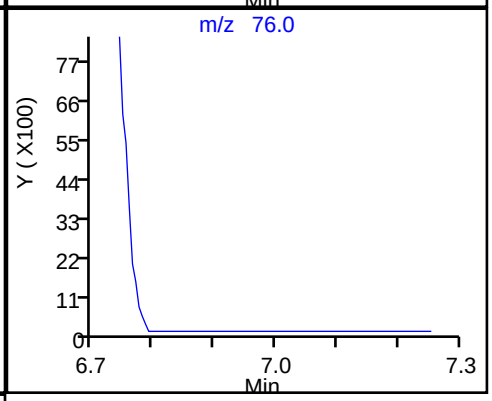
24 3-Chloro-1-propene, CAS: 107-05-1

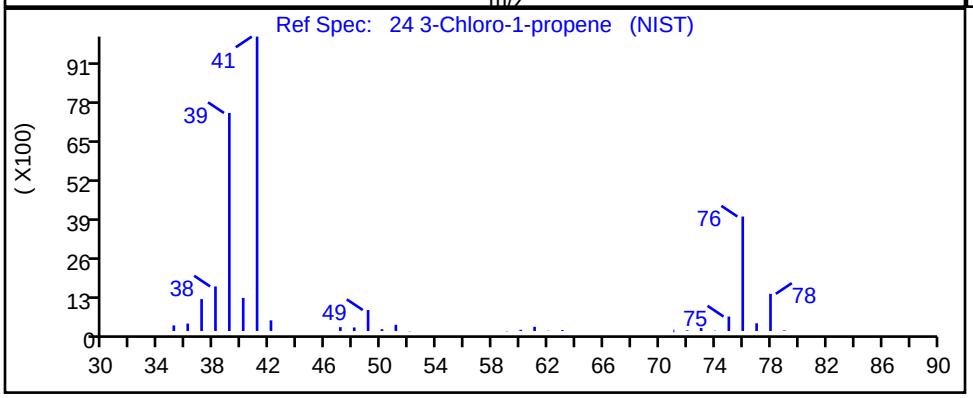
Processing Results











RT	Mass	Response	Amount
7.08	41.00	9237	0.234753
7.00	76.00	0	

Reviewer: phamvu, 17-Apr-2018 15:03:19

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

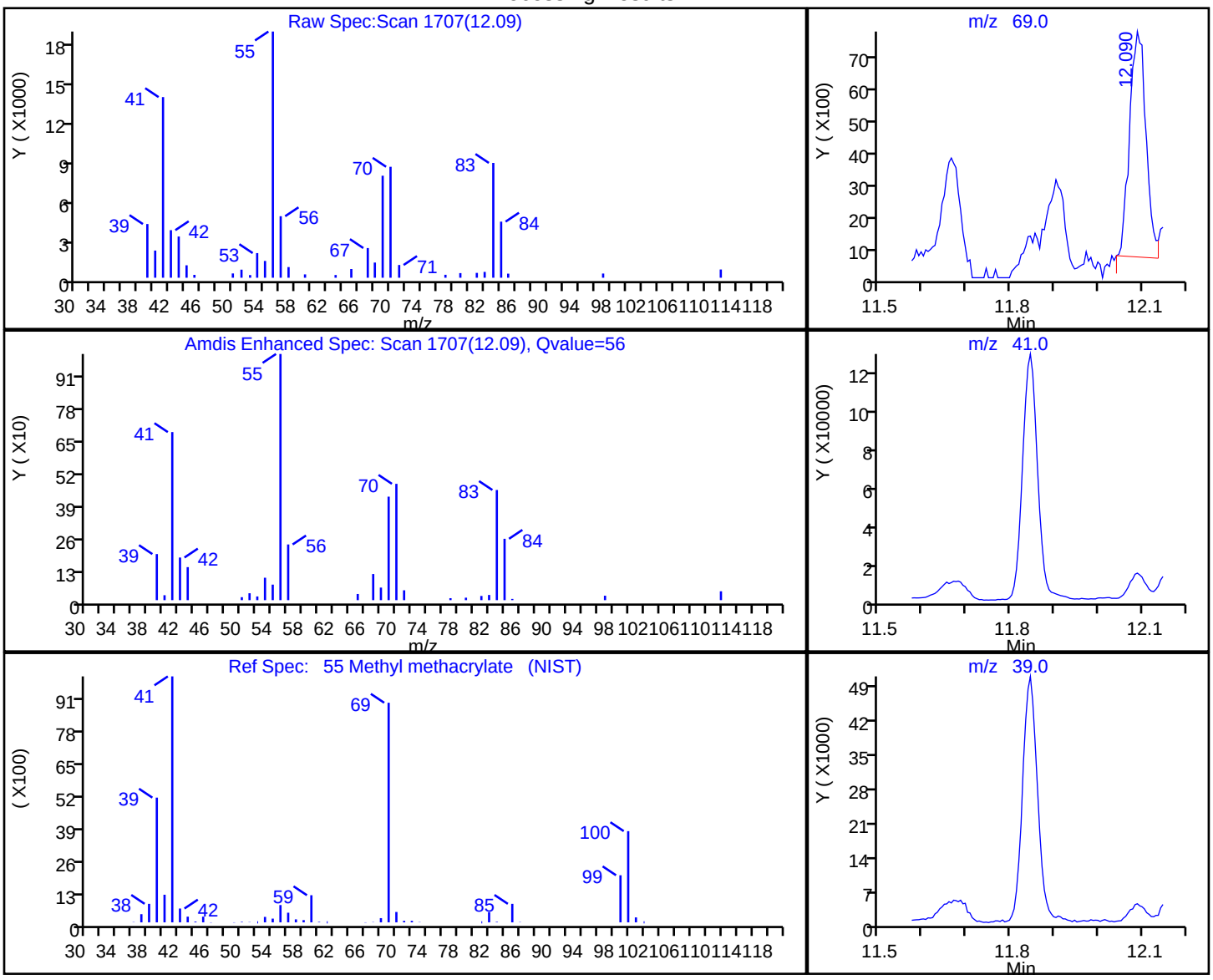
User Disabled Compound Report

TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-16.D				
Injection Date:	16-Apr-2018 23:01:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-1	Lab Sample ID:	200-43091-1		
Client ID:	SV001				
Operator ID:	pad	ALS Bottle#:	16	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

55 Methyl methacrylate, CAS: 80-62-6

Processing Results



RT	Mass	Response	Amount
12.09	69.00	18529	0.407489
11.87	41.00	0	
11.87	39.00	0	

Reviewer: phamvu, 17-Apr-2018 15:03:19

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

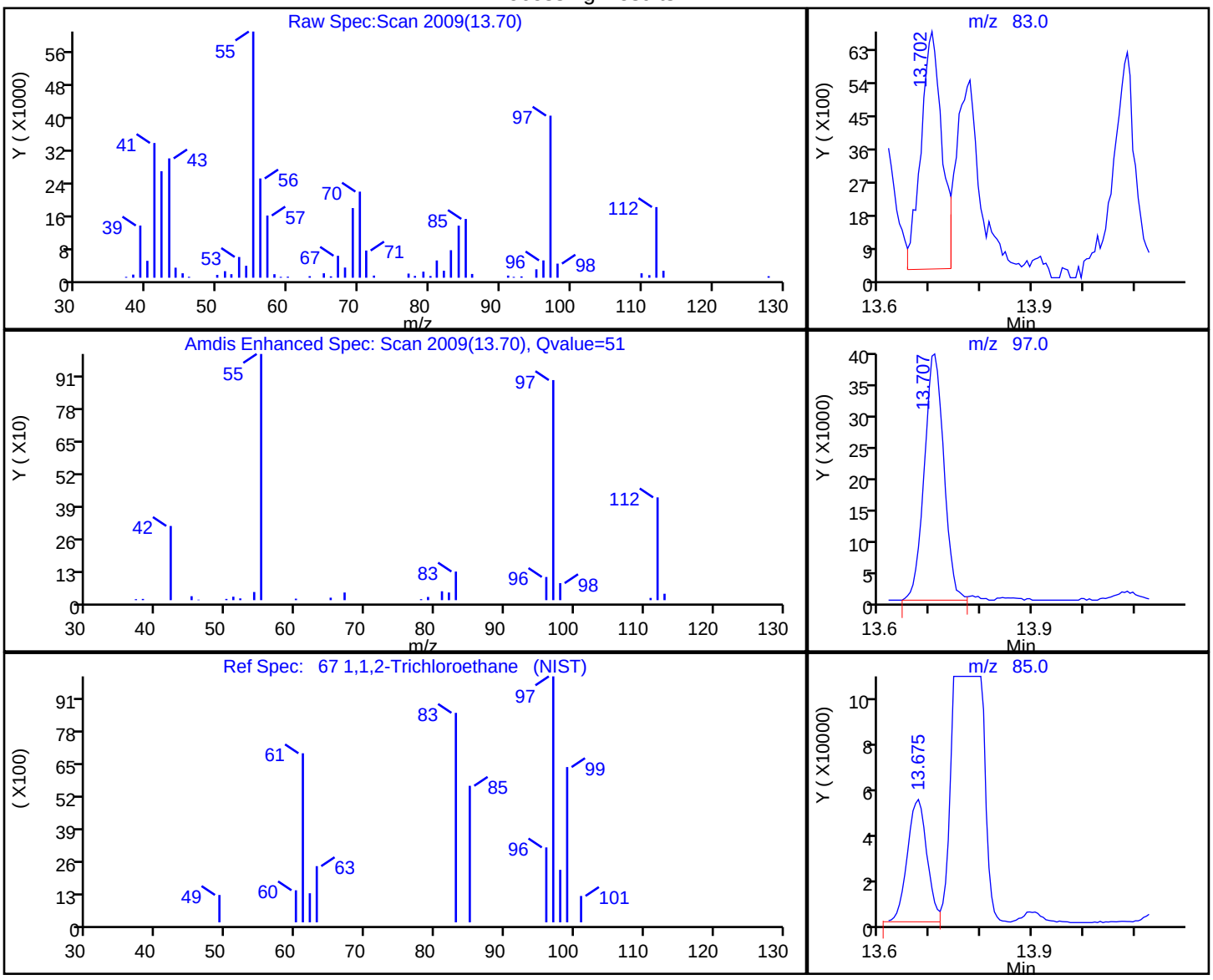
User Disabled Compound Report

TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-16.D				
Injection Date:	16-Apr-2018 23:01:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-1	Lab Sample ID:	200-43091-1		
Client ID:	SV001				
Operator ID:	pad	ALS Bottle#:	16	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

67 1,1,2-Trichloroethane, CAS: 79-00-5

Processing Results



RT	Mass	Response	Amount
13.70	83.00	18530	0.388124
13.71	97.00	106408	
13.67	85.00	138217	

Reviewer: phamvu, 17-Apr-2018 15:03:19

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

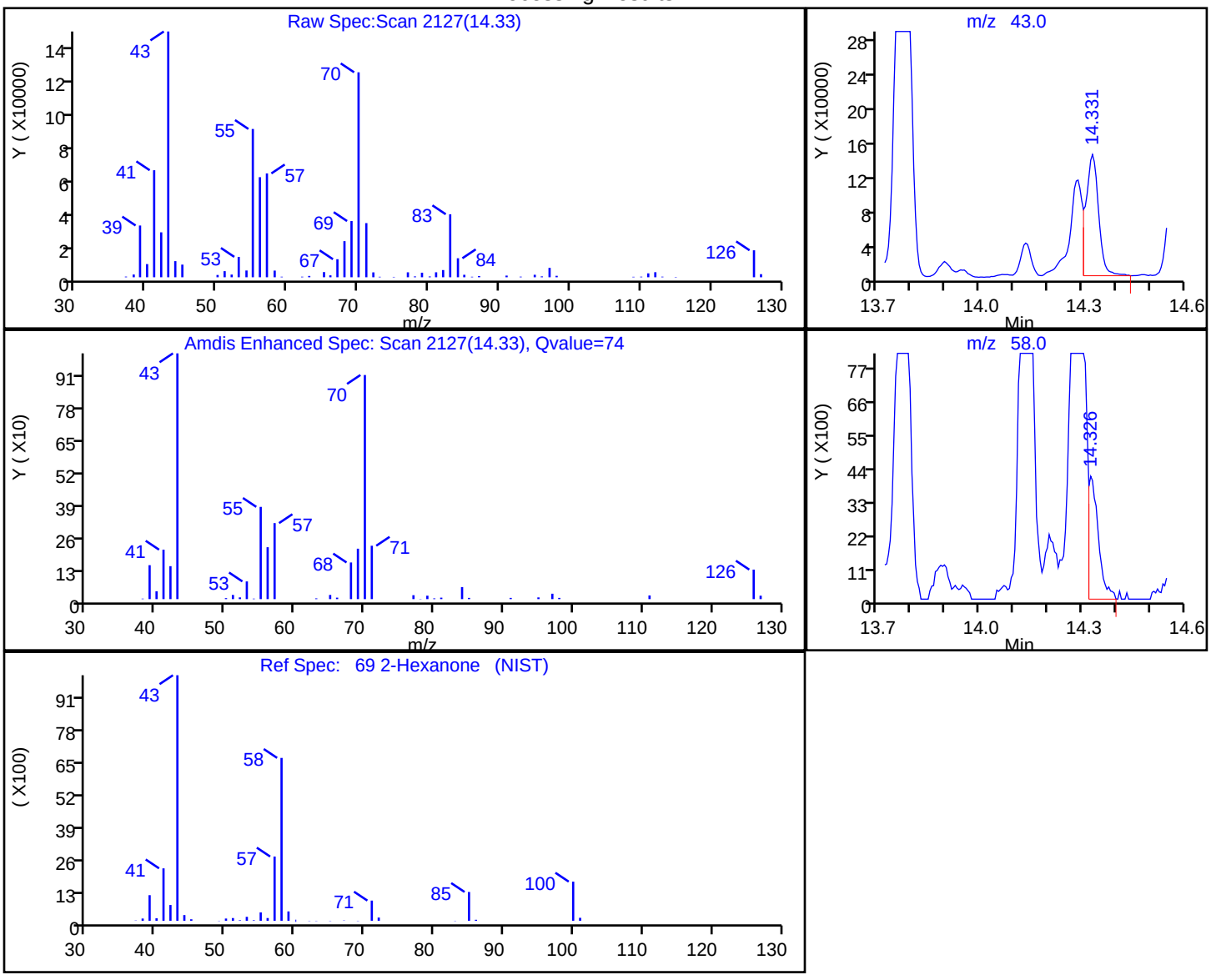
User Disabled Compound Report

TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-16.D				
Injection Date:	16-Apr-2018 23:01:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-1	Lab Sample ID:	200-43091-1		
Client ID:	SV001				
Operator ID:	pad	ALS Bottle#:	16	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

69 2-Hexanone, CAS: 591-78-6

Processing Results



RT	Mass	Response	Amount
14.33	43.00	367819	4.514503
14.33	58.00	8227	

Reviewer: phamvu, 17-Apr-2018 15:03:19

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

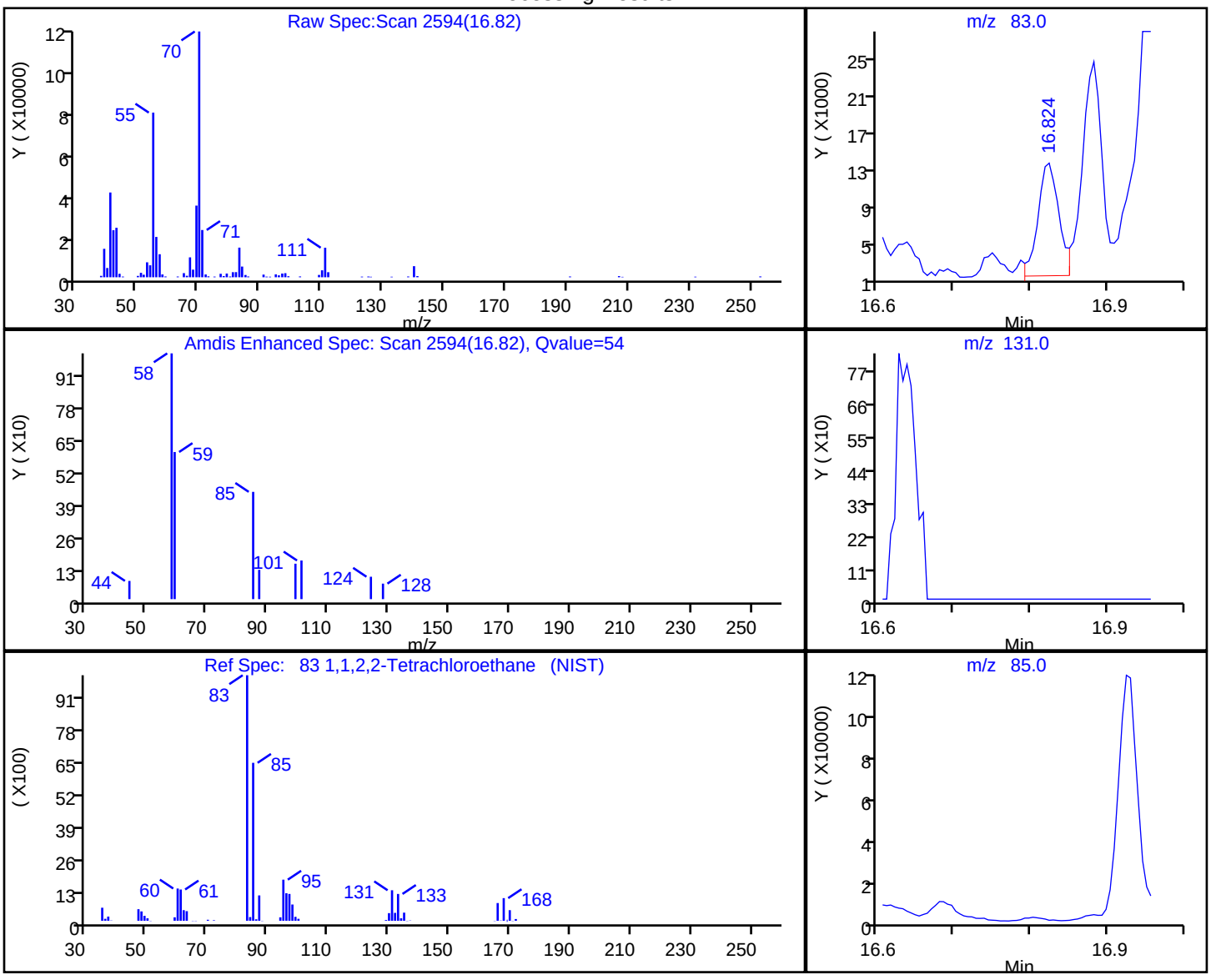
User Disabled Compound Report

TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-16.D				
Injection Date:	16-Apr-2018 23:01:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-1	Lab Sample ID:	200-43091-1		
Client ID:	SV001				
Operator ID:	pad	ALS Bottle#:	16	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

83 1,1,2,2-Tetrachloroethane, CAS: 79-34-5

Processing Results



RT	Mass	Response	Amount
16.82	83.00	22513	0.188465
16.78	131.00	0	
16.78	85.00	0	

Reviewer: phamvu, 17-Apr-2018 15:03:19

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

TestAmerica Burlington

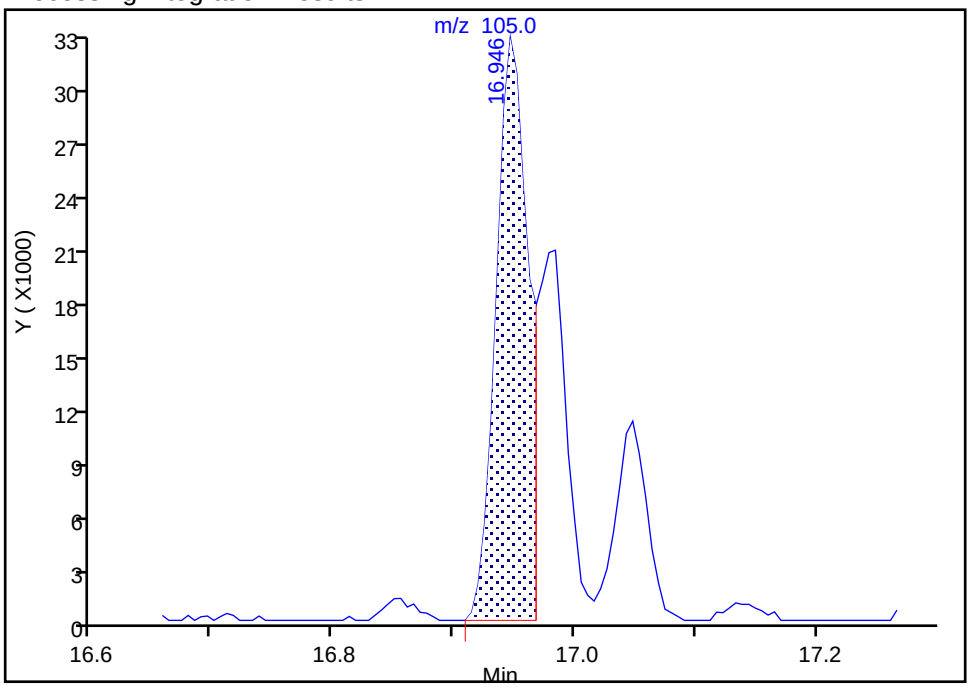
Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-16.D				
Injection Date:	16-Apr-2018 23:01:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-1	Lab Sample ID:	200-43091-1		
Client ID:	SV001				
Operator ID:	pad	ALS Bottle#:	16	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

87 4-Ethyltoluene, CAS: 622-96-8

Signal: 1

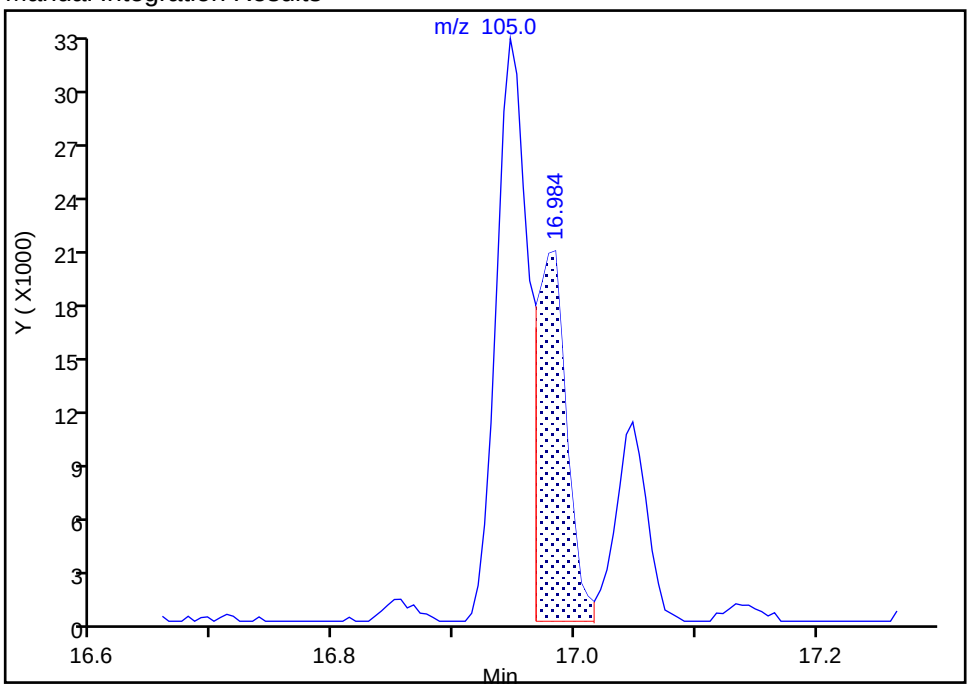
Processing Integration Results

RT: 16.95
Area: 61131
Amount: 0.289450
Amount Units: ppb v/v



Manual Integration Results

RT: 16.98
Area: 36147
Amount: 0.171153
Amount Units: ppb v/v



Reviewer: phamvu, 17-Apr-2018 15:02:50

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

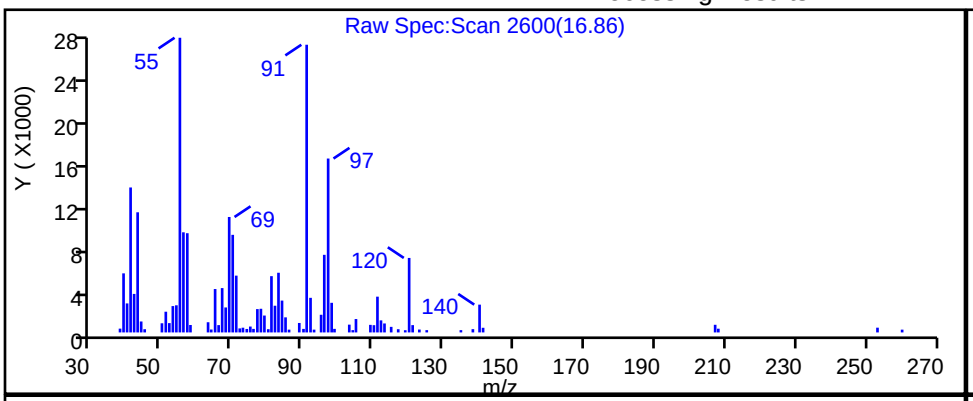
User Disabled Compound Report

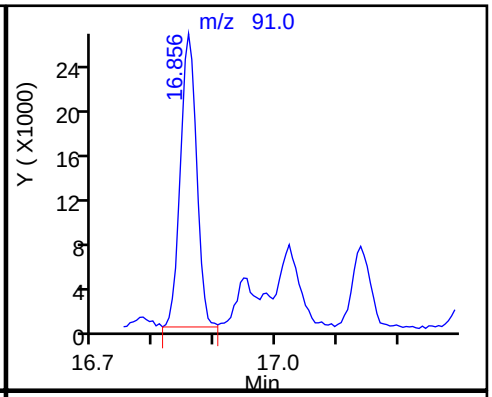
TestAmerica Burlington

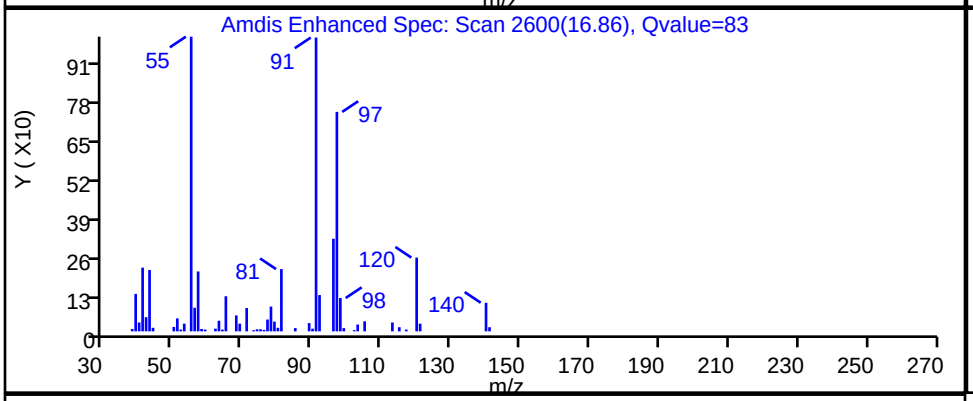
Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-16.D				
Injection Date:	16-Apr-2018 23:01:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-1	Lab Sample ID:	200-43091-1		
Client ID:	SV001				
Operator ID:	pad	ALS Bottle#:	16	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

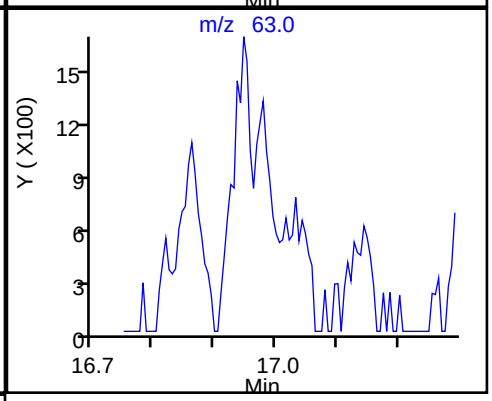
88 2-Chlorotoluene, CAS: 95-49-8

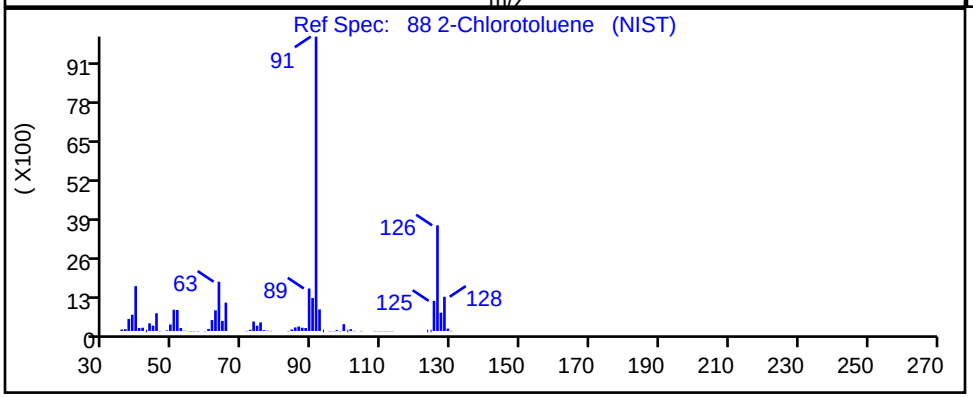
Processing Results











RT	Mass	Response	Amount
16.86	91.00	47950	0.272324
17.02	63.00	0	

Reviewer: phamvu, 17-Apr-2018 15:03:19

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

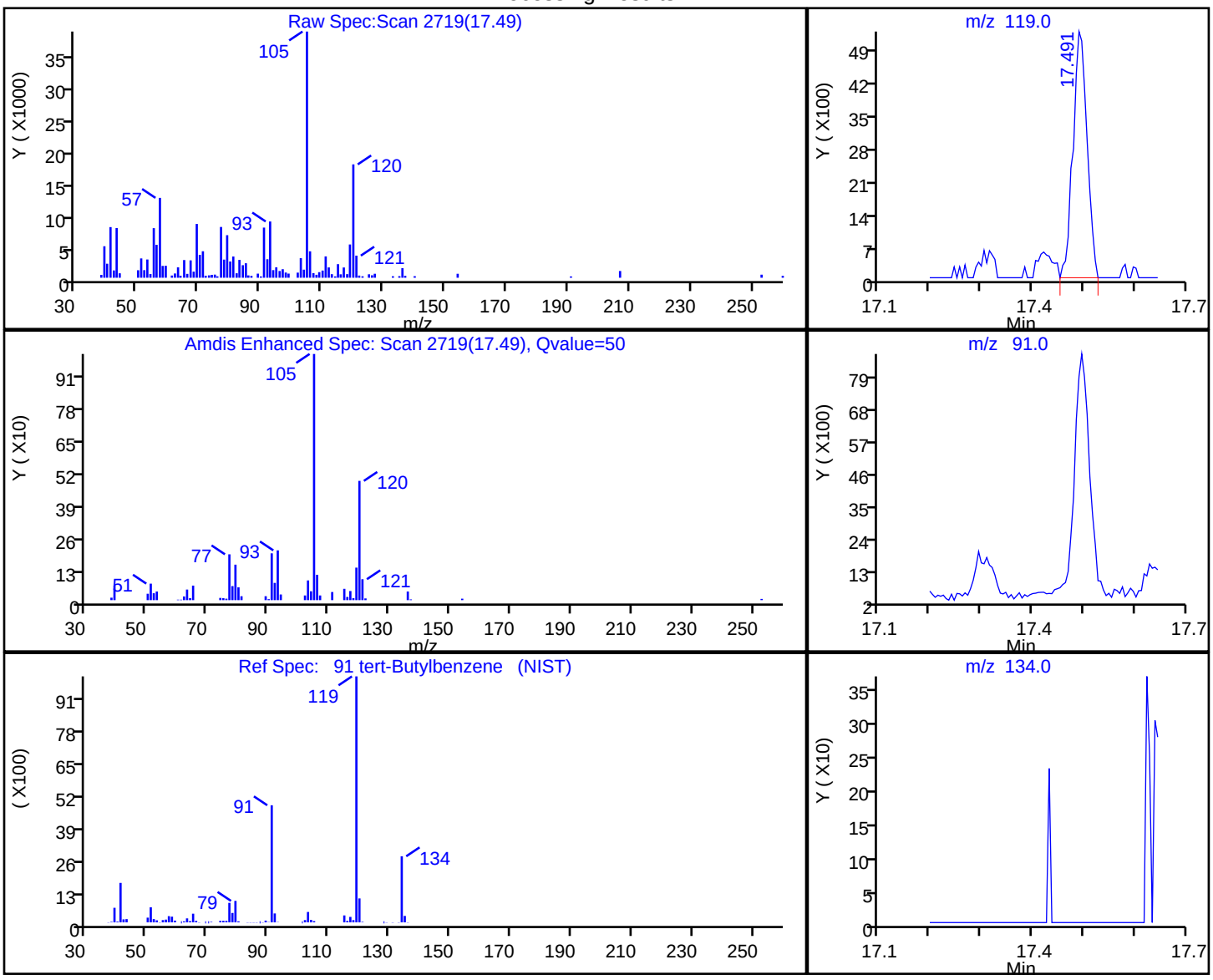
User Disabled Compound Report

TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-16.D				
Injection Date:	16-Apr-2018 23:01:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-1	Lab Sample ID:	200-43091-1		
Client ID:	SV001				
Operator ID:	pad	ALS Bottle#:	16	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

91 tert-Butylbenzene, CAS: 98-06-6

Processing Results



RT	Mass	Response	Amount
17.49	119.00	10023	0.060032
17.42	91.00	0	
17.42	134.00	0	

Reviewer: phamvu, 17-Apr-2018 15:03:19

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

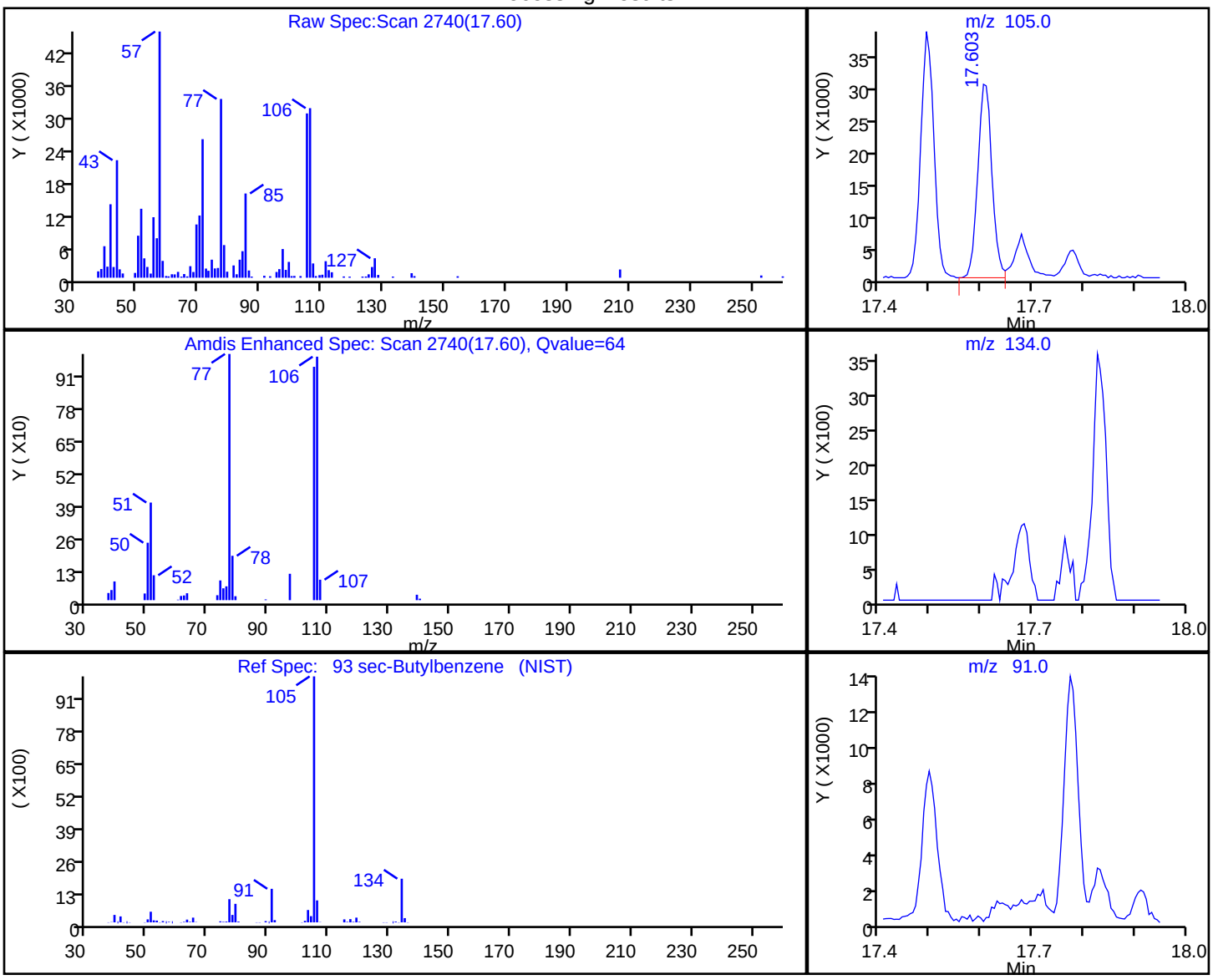
User Disabled Compound Report

TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-16.D				
Injection Date:	16-Apr-2018 23:01:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-1	Lab Sample ID:	200-43091-1		
Client ID:	SV001				
Operator ID:	pad	ALS Bottle#:	16	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

93 sec-Butylbenzene, CAS: 135-98-8

Processing Results



RT	Mass	Response	Amount
17.60	105.00	59166	0.229727
17.68	134.00	0	
17.68	91.00	0	

Reviewer: phamvu, 17-Apr-2018 15:03:19

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-43091-1

SDG No.: 200-43091-1

Client Sample ID: SV002 | Lab Sample ID: 200-43091-2

Matrix: Air | Lab File ID: 30158-06.D

Analysis Method: TO-15 | Date Collected: 04/13/2018 12:40

Sample wt/vol: 93(mL) | Date Analyzed: 04/18/2018 14:23

Soil Aliquot Vol: | Dilution Factor: 4

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 128592 | Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	1.0	J	2.0	0.80
75-45-6	Chlorodifluoromethane	86.47	2.0	U	2.0	1.0
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.80	U	0.80	0.27
74-87-3	Chloromethane	50.49	2.0	U	2.0	1.0
106-97-8	n-Butane	58.12	6.7		2.0	1.2
75-01-4	Vinyl chloride	62.50	0.14	U	0.14	0.16
106-99-0	1,3-Butadiene	54.09	0.43	J	0.80	0.26
74-83-9	Bromomethane	94.94	0.80	U	0.80	0.25
75-00-3	Chloroethane	64.52	2.0	U	2.0	0.84
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.80	U	0.80	0.22
75-69-4	Trichlorofluoromethane	137.37	0.80	U	0.80	0.25
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	0.80	U	0.80	0.12
75-35-4	1,1-Dichloroethene	96.94	0.14	U	0.14	0.14
67-64-1	Acetone	58.08	89		20	10
67-63-0	Isopropyl alcohol	60.10	20	U	20	7.2
75-15-0	Carbon disulfide	76.14	2.0	U	2.0	0.48
107-05-1	3-Chloropropene	76.53	2.0	U	2.0	1.1
75-09-2	Methylene Chloride	84.93	2.4		2.0	0.80
75-65-0	tert-Butyl alcohol	74.12	73		20	6.0
1634-04-4	Methyl tert-butyl ether	88.15	0.80	U	0.80	0.24
156-60-5	trans-1,2-Dichloroethene	96.94	0.80	U	0.80	0.30
110-54-3	n-Hexane	86.17	2.4		0.80	0.64
75-34-3	1,1-Dichloroethane	98.96	0.80	U	0.80	0.10
78-93-3	Methyl Ethyl Ketone (2-Butanone)	72.11	20		2.0	0.80
156-59-2	cis-1,2-Dichloroethene	96.94	0.14	U	0.14	0.15
67-66-3	Chloroform	119.38	0.80	U	0.80	0.21
109-99-9	Tetrahydrofuran	72.11	20	U	20	10
71-55-6	1,1,1-Trichloroethane	133.41	0.80	U	0.80	0.27
110-82-7	Cyclohexane	84.16	3.9		0.80	0.25
56-23-5	Carbon tetrachloride	153.81	0.14	U	0.14	0.096
540-84-1	2,2,4-Trimethylpentane	114.23	3.3		0.80	0.35
71-43-2	Benzene	78.11	0.77	J	0.80	0.28
107-06-2	1,2-Dichloroethane	98.96	0.80	U	0.80	0.25

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-43091-1

SDG No.: 200-43091-1

Client Sample ID: SV002 | Lab Sample ID: 200-43091-2

Matrix: Air | Lab File ID: 30158-06.D

Analysis Method: TO-15 | Date Collected: 04/13/2018 12:40

Sample wt/vol: 93(mL) | Date Analyzed: 04/18/2018 14:23

Soil Aliquot Vol: | Dilution Factor: 4

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 128592 | Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
142-82-5	n-Heptane	100.21	1.6		0.80	0.56
79-01-6	Trichloroethene	131.39	0.29		0.14	0.12
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0	0.88
78-87-5	1,2-Dichloropropane	112.99	0.80	U	0.80	0.48
123-91-1	1,4-Dioxane	88.11	20	U	20	5.2
75-27-4	Bromodichloromethane	163.83	0.80	U	0.80	0.38
10061-01-5	cis-1,3-Dichloropropene	110.97	0.80	U	0.80	0.39
108-10-1	4-Methyl-2-pentanone (Methyl isobutyl ketone)	100.16	2.0	U	2.0	1.4
108-88-3	Toluene	92.14	5.3		0.80	0.28
10061-02-6	trans-1,3-Dichloropropene	110.97	0.80	U	0.80	0.48
79-00-5	1,1,2-Trichloroethane	133.41	0.80	U	0.80	0.31
127-18-4	Tetrachloroethene	165.83	0.36	J	0.80	0.12
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0	1.7
124-48-1	Dibromochloromethane	208.29	0.80	U	0.80	0.28
106-93-4	1,2-Dibromoethane	187.87	0.80	U	0.80	0.28
108-90-7	Chlorobenzene	112.56	0.80	U	0.80	0.16
100-41-4	Ethylbenzene	106.17	2.0		0.80	0.29
179601-23-1	m,p-Xylene	106.17	8.1		2.0	0.28
95-47-6	o-Xylene	106.17	3.2		0.80	0.28
100-42-5	Styrene	104.15	8.4		0.80	0.34
75-25-2	Bromoform	252.75	0.80	U	0.80	0.34
98-82-8	Cumene	120.19	0.50	J	0.80	0.24
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.80	U	0.80	0.30
103-65-1	n-Propylbenzene	120.19	0.31	J	0.80	0.28
622-96-8	4-Ethyltoluene	120.20	0.80	U	0.80	0.28
108-67-8	1,3,5-Trimethylbenzene	120.20	0.80	U	0.80	0.23
95-49-8	2-Chlorotoluene	126.59	0.80	U	0.80	0.28
98-06-6	tert-Butylbenzene	134.22	0.80	U	0.80	0.23
95-63-6	1,2,4-Trimethylbenzene	120.20	0.65	J	0.80	0.32
135-98-8	sec-Butylbenzene	134.22	0.80	U	0.80	0.26
99-87-6	4-Isopropyltoluene	134.22	0.80	U	0.80	0.30
541-73-1	1,3-Dichlorobenzene	147.00	0.80	U	0.80	0.33
106-46-7	1,4-Dichlorobenzene	147.00	0.80	U	0.80	0.26

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-43091-1

SDG No.: 200-43091-1

Client Sample ID: SV002 Lab Sample ID: 200-43091-2

Matrix: Air Lab File ID: 30158-06.D

Analysis Method: TO-15 Date Collected: 04/13/2018 12:40

Sample wt/vol: 93(mL) Date Analyzed: 04/18/2018 14:23

Soil Aliquot Vol: Dilution Factor: 4

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 128592 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
100-44-7	Benzyl chloride	126.58	0.80	U	0.80	0.48
104-51-8	n-Butylbenzene	134.22	0.80	U	0.80	0.32
95-50-1	1,2-Dichlorobenzene	147.00	0.80	U	0.80	0.28
120-82-1	1,2,4-Trichlorobenzene	181.45	2.0	U	2.0	0.96
87-68-3	Hexachlorobutadiene	260.76	0.80	U	0.80	0.33
91-20-3	Naphthalene	128.17	2.0	U	2.0	1.2

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-43091-1

SDG No.: 200-43091-1

Client Sample ID: SV002 | Lab Sample ID: 200-43091-2

Matrix: Air | Lab File ID: 30158-06.D

Analysis Method: TO-15 | Date Collected: 04/13/2018 12:40

Sample wt/vol: 93(mL) | Date Analyzed: 04/18/2018 14:23

Soil Aliquot Vol: | Dilution Factor: 4

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 128592 | Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	5.0	J	9.9	4.0
75-45-6	Chlorodifluoromethane	86.47	7.1	U	7.1	3.7
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	5.6	U	5.6	1.9
74-87-3	Chloromethane	50.49	4.1	U	4.1	2.1
106-97-8	n-Butane	58.12	16		4.8	2.9
75-01-4	Vinyl chloride	62.50	0.36	U	0.36	0.42
106-99-0	1,3-Butadiene	54.09	0.95	J	1.8	0.58
74-83-9	Bromomethane	94.94	3.1	U	3.1	0.96
75-00-3	Chloroethane	64.52	5.3	U	5.3	2.2
593-60-2	Bromoethene(Vinyl Bromide)	106.96	3.5	U	3.5	0.98
75-69-4	Trichlorofluoromethane	137.37	4.5	U	4.5	1.4
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	6.1	U	6.1	0.95
75-35-4	1,1-Dichloroethene	96.94	0.56	U	0.56	0.54
67-64-1	Acetone	58.08	210		48	25
67-63-0	Isopropyl alcohol	60.10	49	U	49	18
75-15-0	Carbon disulfide	76.14	6.2	U	6.2	1.5
107-05-1	3-Chloropropene	76.53	6.3	U	6.3	3.4
75-09-2	Methylene Chloride	84.93	8.3		6.9	2.8
75-65-0	tert-Butyl alcohol	74.12	220		61	18
1634-04-4	Methyl tert-butyl ether	88.15	2.9	U	2.9	0.88
156-60-5	trans-1,2-Dichloroethene	96.94	3.2	U	3.2	1.2
110-54-3	n-Hexane	86.17	8.3		2.8	2.3
75-34-3	1,1-Dichloroethane	98.96	3.2	U	3.2	0.42
78-93-3	Methyl Ethyl Ketone (2-Butanone)	72.11	58		5.9	2.4
156-59-2	cis-1,2-Dichloroethene	96.94	0.56	U	0.56	0.59
67-66-3	Chloroform	119.38	3.9	U	3.9	1.0
109-99-9	Tetrahydrofuran	72.11	59	U	59	31
71-55-6	1,1,1-Trichloroethane	133.41	4.4	U	4.4	1.5
110-82-7	Cyclohexane	84.16	13		2.8	0.87
56-23-5	Carbon tetrachloride	153.81	0.88	U	0.88	0.60
540-84-1	2,2,4-Trimethylpentane	114.23	15		3.7	1.6
71-43-2	Benzene	78.11	2.5	J	2.6	0.91
107-06-2	1,2-Dichloroethane	98.96	3.2	U	3.2	1.0

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-43091-1

SDG No.: 200-43091-1

Client Sample ID: SV002 | Lab Sample ID: 200-43091-2

Matrix: Air | Lab File ID: 30158-06.D

Analysis Method: TO-15 | Date Collected: 04/13/2018 12:40

Sample wt/vol: 93(mL) | Date Analyzed: 04/18/2018 14:23

Soil Aliquot Vol: | Dilution Factor: 4

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 128592 | Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
142-82-5	n-Heptane	100.21	6.4		3.3	2.3
79-01-6	Trichloroethene	131.39	1.5		0.75	0.64
80-62-6	Methyl methacrylate	100.12	8.2	U	8.2	3.6
78-87-5	1,2-Dichloropropane	112.99	3.7	U	3.7	2.2
123-91-1	1,4-Dioxane	88.11	72	U	72	19
75-27-4	Bromodichloromethane	163.83	5.4	U	5.4	2.5
10061-01-5	cis-1,3-Dichloropropene	110.97	3.6	U	3.6	1.8
108-10-1	4-Methyl-2-pentanone (Methyl isobutyl ketone)	100.16	8.2	U	8.2	5.9
108-88-3	Toluene	92.14	20		3.0	1.0
10061-02-6	trans-1,3-Dichloropropene	110.97	3.6	U	3.6	2.2
79-00-5	1,1,2-Trichloroethane	133.41	4.4	U	4.4	1.7
127-18-4	Tetrachloroethene	165.83	2.4	J	5.4	0.79
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	8.2	U	8.2	6.9
124-48-1	Dibromochloromethane	208.29	6.8	U	6.8	2.4
106-93-4	1,2-Dibromoethane	187.87	6.1	U	6.1	2.1
108-90-7	Chlorobenzene	112.56	3.7	U	3.7	0.74
100-41-4	Ethylbenzene	106.17	8.8		3.5	1.3
179601-23-1	m,p-Xylene	106.17	35		8.7	1.2
95-47-6	o-Xylene	106.17	14		3.5	1.2
100-42-5	Styrene	104.15	36		3.4	1.5
75-25-2	Bromoform	252.75	8.3	U	8.3	3.6
98-82-8	Cumene	120.19	2.4	J	3.9	1.2
79-34-5	1,1,2,2-Tetrachloroethane	167.85	5.5	U	5.5	2.1
103-65-1	n-Propylbenzene	120.19	1.5	J	3.9	1.4
622-96-8	4-Ethyltoluene	120.20	3.9	U	3.9	1.4
108-67-8	1,3,5-Trimethylbenzene	120.20	3.9	U	3.9	1.1
95-49-8	2-Chlorotoluene	126.59	4.1	U	4.1	1.5
98-06-6	tert-Butylbenzene	134.22	4.4	U	4.4	1.3
95-63-6	1,2,4-Trimethylbenzene	120.20	3.2	J	3.9	1.6
135-98-8	sec-Butylbenzene	134.22	4.4	U	4.4	1.4
99-87-6	4-Isopropyltoluene	134.22	4.4	U	4.4	1.6
541-73-1	1,3-Dichlorobenzene	147.00	4.8	U	4.8	2.0
106-46-7	1,4-Dichlorobenzene	147.00	4.8	U	4.8	1.6

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-43091-1

SDG No.: 200-43091-1

Client Sample ID: SV002 Lab Sample ID: 200-43091-2

Matrix: Air Lab File ID: 30158-06.D

Analysis Method: TO-15 Date Collected: 04/13/2018 12:40

Sample wt/vol: 93(mL) Date Analyzed: 04/18/2018 14:23

Soil Aliquot Vol: Dilution Factor: 4

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 128592 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
100-44-7	Benzyl chloride	126.58	4.1	U	4.1	2.5
104-51-8	n-Butylbenzene	134.22	4.4	U	4.4	1.8
95-50-1	1,2-Dichlorobenzene	147.00	4.8	U	4.8	1.7
120-82-1	1,2,4-Trichlorobenzene	181.45	15	U	15	7.1
87-68-3	Hexachlorobutadiene	260.76	8.5	U	8.5	3.5
91-20-3	Naphthalene	128.17	10	U	10	6.5

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180418-30158.b\30158-06.D
Lims ID: 200-43091-A-2
Client ID: SV002
Sample Type: Client
Inject. Date: 18-Apr-2018 14:23:30 ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 200.000 mL Dil. Factor: 4.0000
Sample Info: 200-0030158-006
Operator ID: pad Instrument ID: CHB.i

Method: \\ChromNA\Burlington\ChromData\CHB.i\20180418-30158.b\TO15_LLNJ_TO3.m
Limit Group: AI_TO15_ICAL
Last Update: 19-Apr-2018 11:19:12 Calib Date: 06-Apr-2018 10:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHB.i\20180405-29969.b\29969-21.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK027

First Level Reviewer: puangmaleek Date: 19-Apr-2018 11:19:12

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	3.188	3.188	0.000	99	22257	0.2527	
3 Chlorodifluoromethane	51	3.225	3.225	0.000	96	6023	0.1293	
4 1,2-Dichloro-1,1,2,2-tetra	85		3.407				ND	U
5 Chloromethane	50	3.530	3.530	0.001	67	5690	0.1804	7a
6 Butane	43	3.706	3.706	0.000	91	83395	1.67	
7 Vinyl chloride	62		3.743				ND	
8 Butadiene	54	3.802	3.809	-0.005	94	3618	0.1073	
10 Bromomethane	94		4.469				ND	
11 Chloroethane	64		4.693				ND	
13 Vinyl bromide	106		5.104				ND	
14 Trichlorofluoromethane	101	5.207	5.207	0.002	20	6297	0.0591	7Ma
19 1,1,2-Trichloro-1,2,2-trif	101		6.235				ND	
20 1,1-Dichloroethene	96		6.299				ND	
21 Acetone	43	6.439	6.449	-0.010	94	1174270	22.3	
22 Isopropyl alcohol	45	6.674	6.668	0.006	99	60097	0.9092	
23 Carbon disulfide	76	6.728	6.728	-0.004	13	6169	0.0513	7a
24 3-Chloro-1-propene	41		6.998				ND	
27 Methylene Chloride	49	7.261	7.265	0.001	88	28860	0.6005	
28 2-Methyl-2-propanol	59	7.363	7.371	-0.004	94	1595117	18.2	
29 Methyl tert-butyl ether	73		7.607				ND	
30 trans-1,2-Dichloroethene	61		7.666				ND	
32 Hexane	57	7.998	8.002	-0.004	92	47243	0.5906	
33 1,1-Dichloroethane	63		8.407				ND	
36 2-Butanone (MEK)	72	9.289	9.299	-0.010	98	130417	4.89	
37 cis-1,2-Dichloroethene	96		9.315				ND	
* 39 Chlorobromomethane	128	9.679	9.678	0.001	84	438414	10.0	
38 Tetrahydrofuran	42	9.700	9.694	0.006	91	30242	0.6156	
40 Chloroform	83		9.752				ND	
42 1,1,1-Trichloroethane	97		10.014				ND	
43 Cyclohexane	84	10.026	10.040	-0.004	93	71156	0.9787	
44 Carbon tetrachloride	117		10.222				ND	
45 Isooctane	57	10.501	10.505	-0.004	98	197384	0.8133	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
46 Benzene	78	10.538	10.542	-0.004	95	31490	0.1931	
47 1,2-Dichloroethane	62		10.644				ND	
48 n-Heptane	43	10.757	10.750	0.001	90	34366	0.3896	
* 50 1,4-Difluorobenzene	114	11.082	11.087	-0.005	94	1991773	10.0	
53 Trichloroethene	95	11.456	11.460	0.001	93	5340	0.0713	
54 1,2-Dichloropropane	63		11.823				ND	
55 Methyl methacrylate	69		11.860				ND	U
56 1,4-Dioxane	88		11.951				ND	
58 Dichlorobromomethane	83		12.181				ND	U
60 cis-1,3-Dichloropropene	75		12.810				ND	
61 4-Methyl-2-pentanone (MIBK	43		12.954				ND	
64 Toluene	92	13.239	13.253	-0.004	92	154790	1.31	
66 trans-1,3-Dichloropropene	75		13.600				ND	U
67 1,1,2-Trichloroethane	83		13.872				ND	U
68 Tetrachloroethene	166	14.018	14.017	0.002	94	9284	0.0893	
69 2-Hexanone	43		14.134				ND	U
70 Chlorodibromomethane	129		14.427				ND	
71 Ethylene Dibromide	107		14.630				ND	
* 72 Chlorobenzene-d5	117	15.197	15.196	0.001	84	1722277	10.0	
73 Chlorobenzene	112		15.233				ND	
74 Ethylbenzene	91	15.304	15.308	0.001	97	124346	0.5086	
76 m-Xylene & p-Xylene	106	15.448	15.452	-0.004	0	196554	2.03	
78 o-Xylene	106	15.960	15.964	-0.004	97	79487	0.7937	
79 Styrene	104	15.987	15.986	0.001	98	320947	2.09	
80 Bromoform	173		16.279				ND	
81 Isopropylbenzene	105	16.371	16.375	-0.004	90	32585	0.1238	
83 1,1,2,2-Tetrachloroethane	83		16.781				ND	U
84 N-Propylbenzene	91	16.857	16.857	0.001	74	24799	0.0767	7a
87 4-Ethyltoluene	105	16.980	16.980	0.002	44	16047	0.0607	a
88 2-Chlorotoluene	91		17.021				ND	U
89 1,3,5-Trimethylbenzene	105	17.049	17.048	0.001	93	12249	0.0560	
91 tert-Butylbenzene	119		17.421				ND	
92 1,2,4-Trimethylbenzene	105	17.492	17.491	0.001	96	35628	0.1635	
93 sec-Butylbenzene	105	17.674	17.674	-0.004	57	10769	0.0334	7a
94 4-Isopropyltoluene	119		17.832				ND	Ua
95 1,3-Dichlorobenzene	146		17.912				ND	
96 1,4-Dichlorobenzene	146		18.019				ND	
97 Benzyl chloride	91		18.169				ND	
99 n-Butylbenzene	91		18.339				ND	
100 1,2-Dichlorobenzene	146		18.505				ND	
103 1,2,4-Trichlorobenzene	180		20.858				ND	
104 Hexachlorobutadiene	225		21.029				ND	
105 Naphthalene	128	21.340	21.340	0.001	8	5872	0.0211	7Ma

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags
M - Manually Integrated
U - Marked Undetected
a - User Assigned ID

Reagents:

ATTO15BISs_00006 Amount Added: 20.00 Units: mL Run Reagent

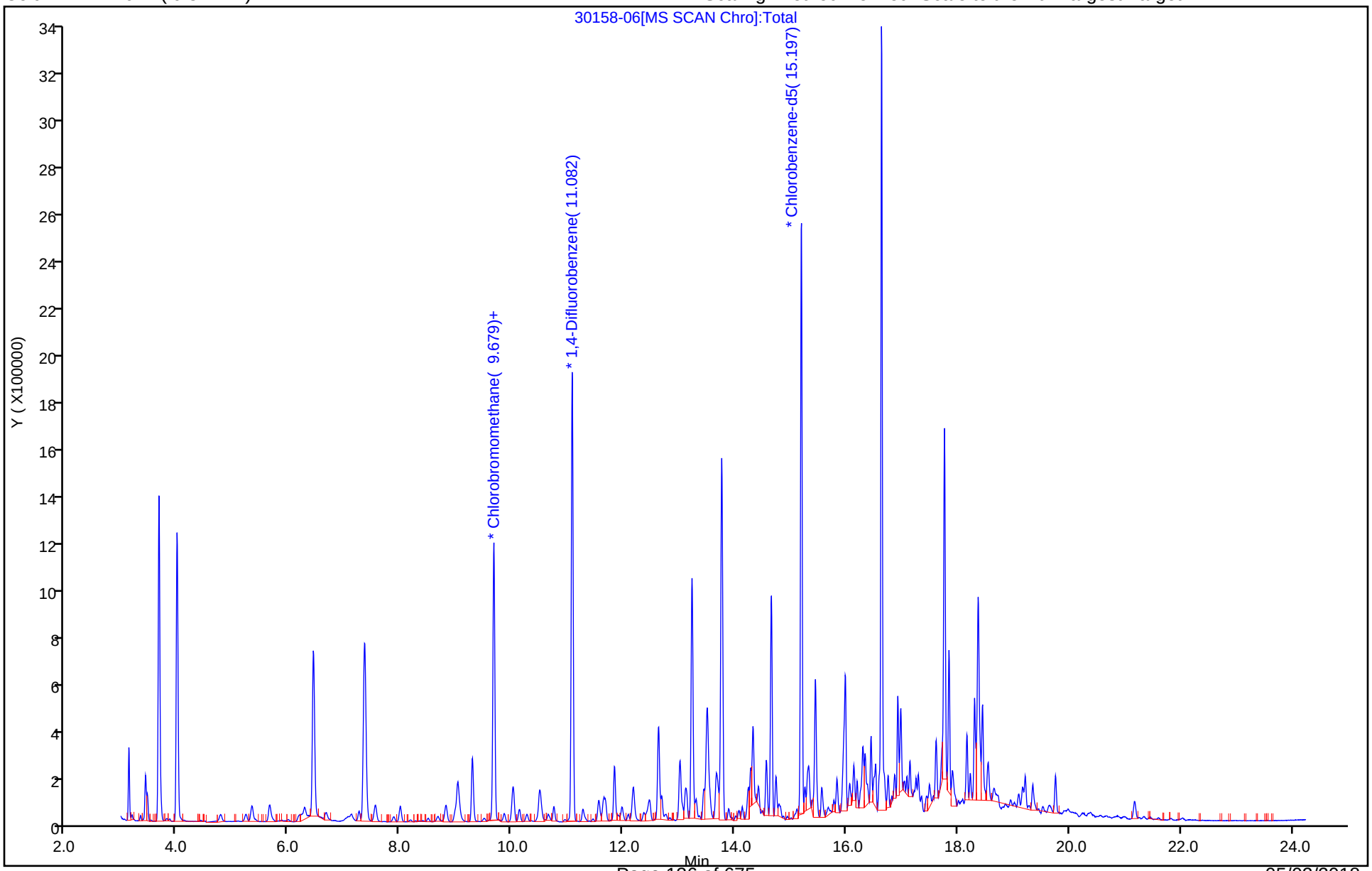
Report Date: 19-Apr-2018 11:19:13 Chrom Revision: 2.2 13-Mar-2018 08:45:20

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180418-30158.b\30158-06.D

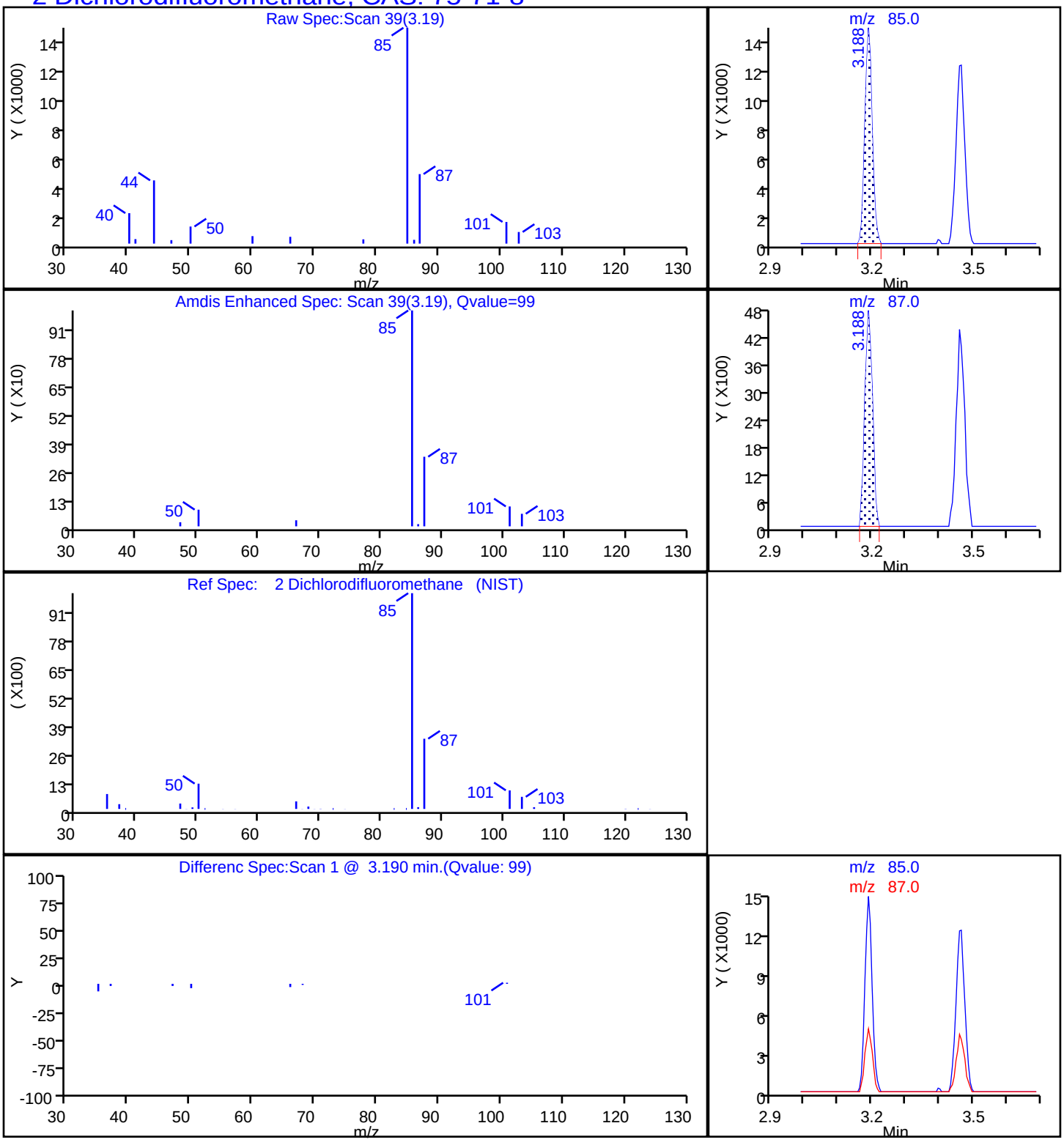
Injection Date:	18-Apr-2018 14:23:30	Instrument ID:	CHB.i	Operator ID:	pad
Lims ID:	200-43091-A-2	Lab Sample ID:	200-43091-2	Worklist Smp#:	6
Client ID:	SV002				
Purge Vol:	200.000 mL	Dil. Factor:	4.0000	ALS Bottle#:	6
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180418-30158.b\30158-06.D
Injection Date: 18-Apr-2018 14:23:30 Instrument ID: CHB.i
Lims ID: 200-43091-A-2 Lab Sample ID: 200-43091-2
Client ID: SV002
Operator ID: pad ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 200.000 mL Dil. Factor: 4.0000
Method: TO15_LLNJ_TO3 Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

2 Dichlorodifluoromethane, CAS: 75-71-8



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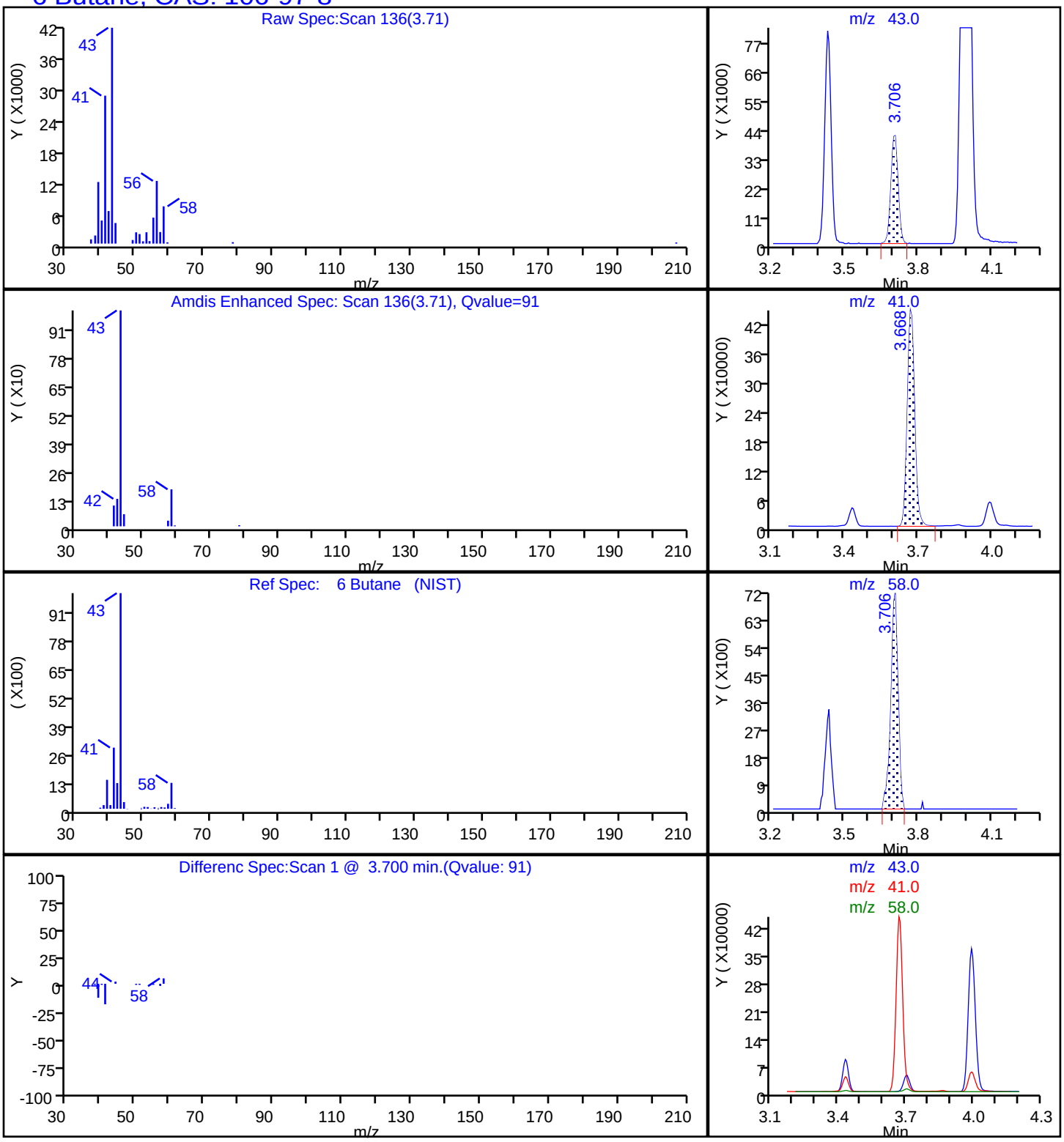
Injection Date: 18-Apr-2018 14:23:30 Instrument ID: CHB.i
Lims ID: 200-43091-A-2 Lab Sample ID: 200-43091-2
Client ID: SV002
Operator ID: pad ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 200.000 mL Dil. Factor: 4.0000
Method: TO15_LLNJ_TO3 Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

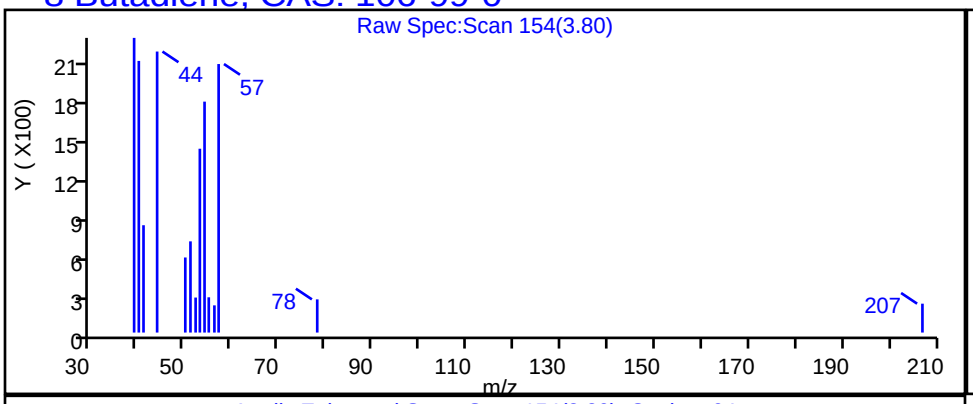
6 Butane, CAS: 106-97-8

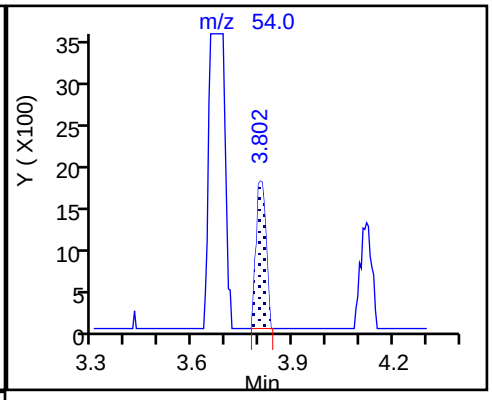


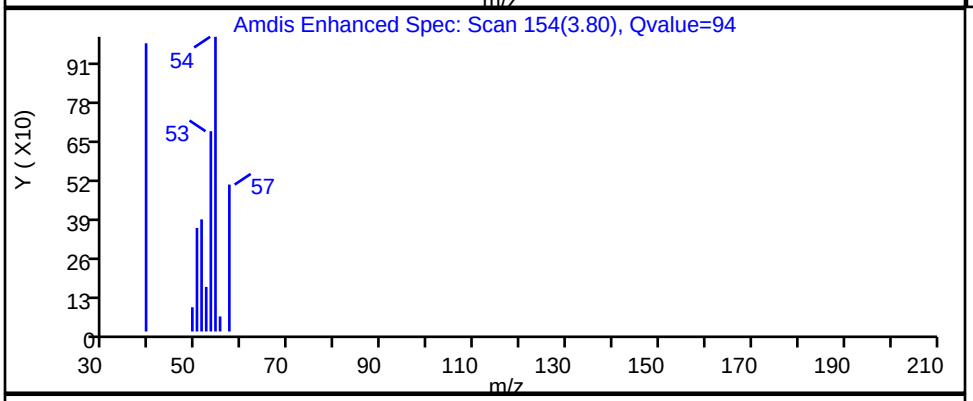
TestAmerica Burlington

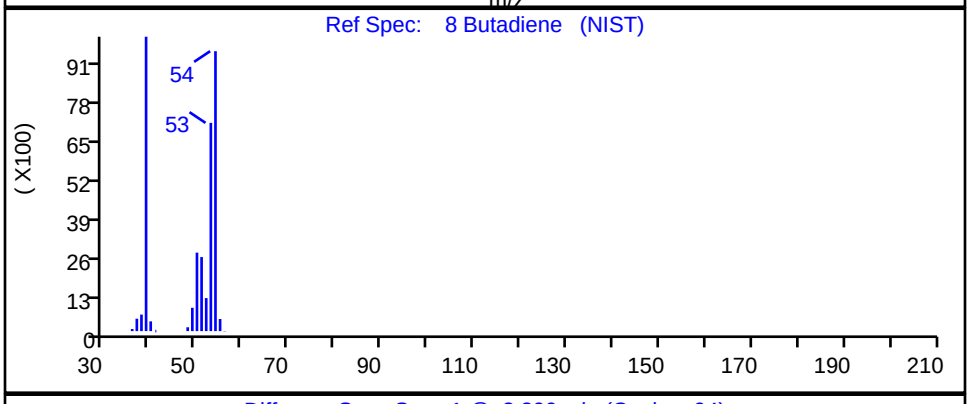
Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180418-30158.b\30158-06.D				
Injection Date:	18-Apr-2018 14:23:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-2	Lab Sample ID:	200-43091-2		
Client ID:	SV002				
Operator ID:	pad	ALS Bottle#:	6	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	4.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

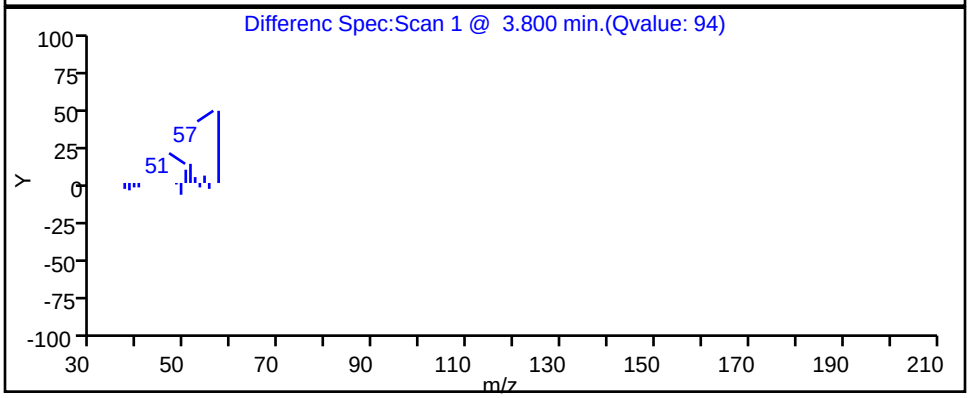
8 Butadiene, CAS: 106-99-0









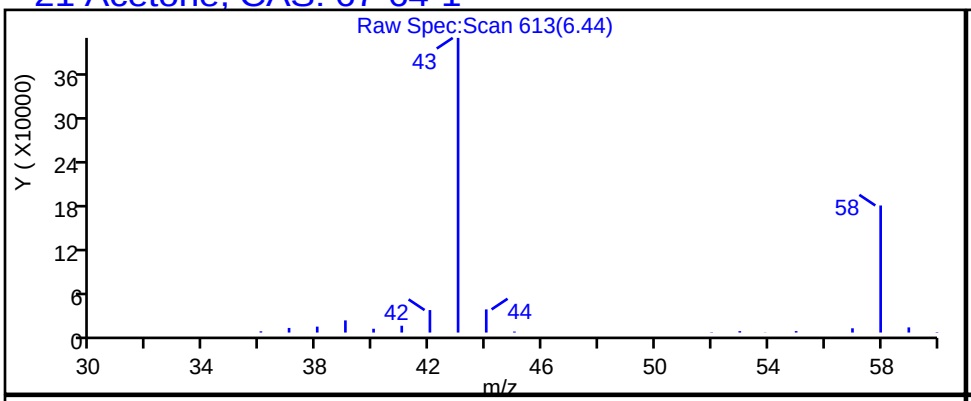


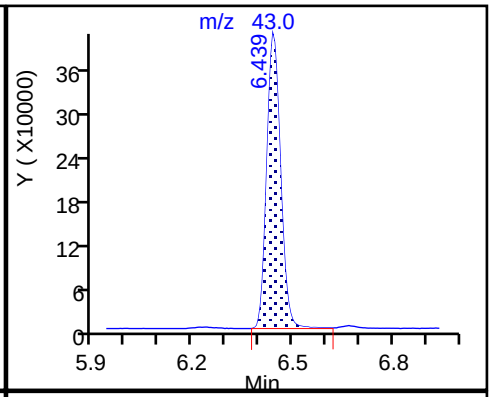
TestAmerica Burlington

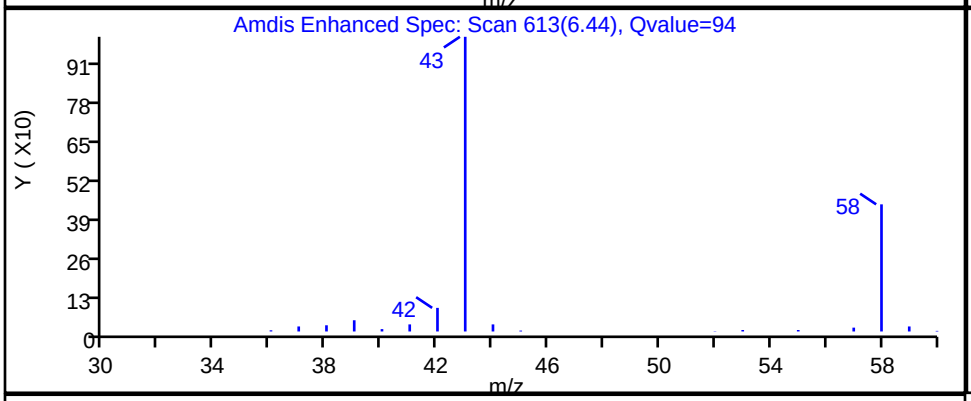
Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180418-30158.b\30158-06.D

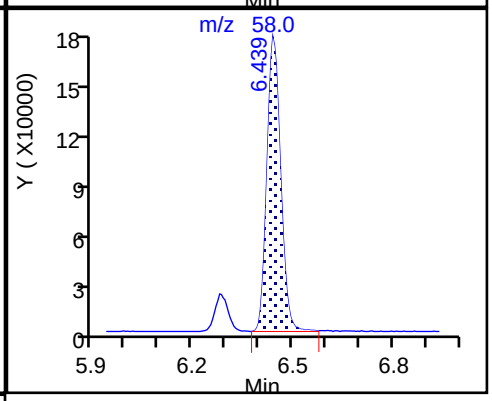
Injection Date:	18-Apr-2018 14:23:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-2	Lab Sample ID:	200-43091-2		
Client ID:	SV002				
Operator ID:	pad	ALS Bottle#:	6	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	4.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

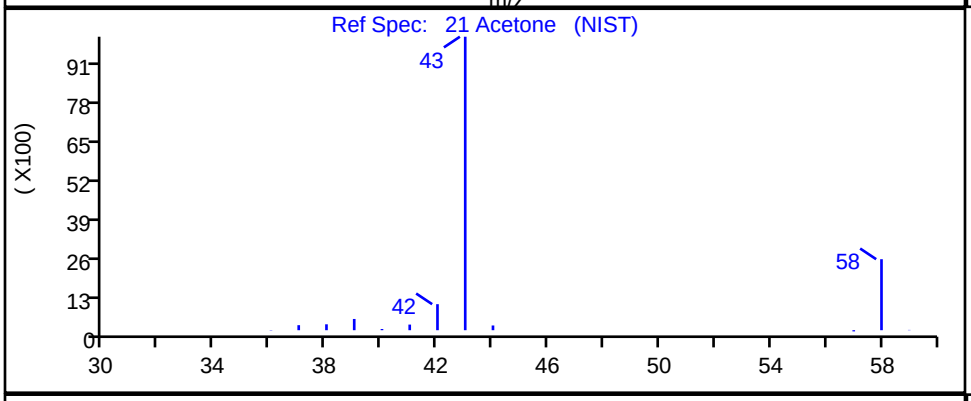
21 Acetone, CAS: 67-64-1

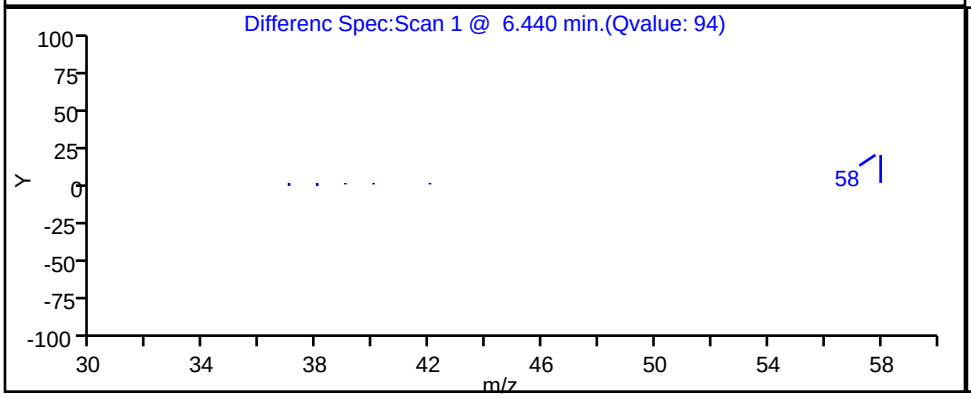


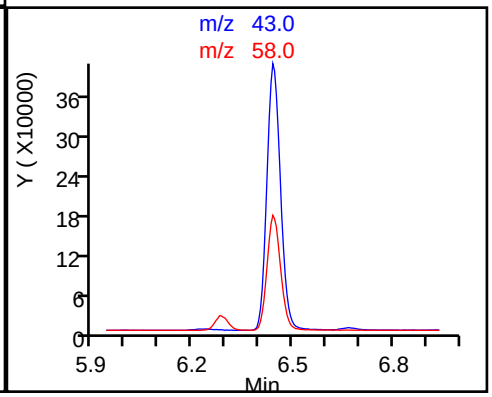












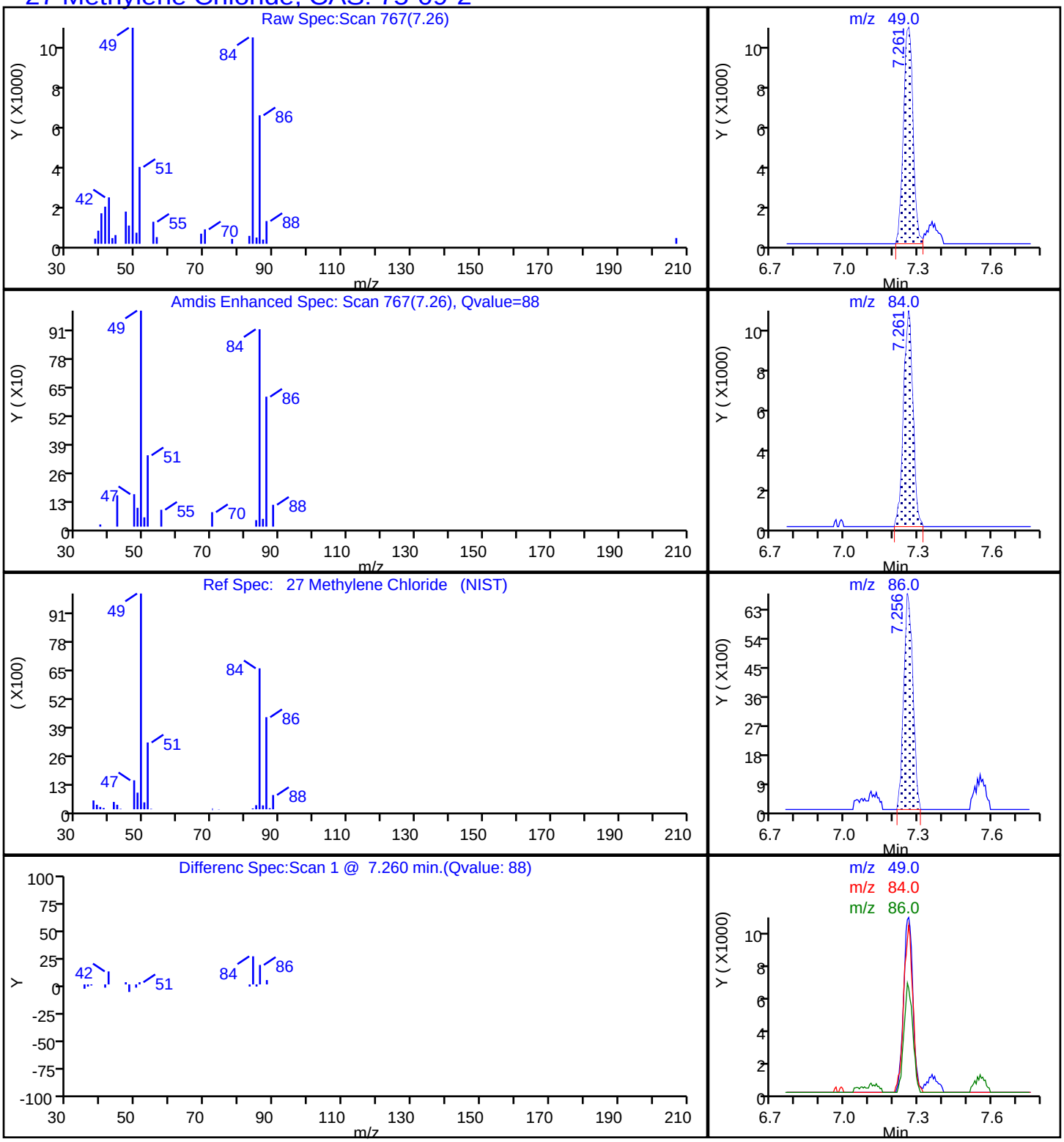
Report Date: 19-Apr-2018 11:19:13 Chrom Revision: 2.2 13-Mar-2018 08:45:20

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180418-30158.b\30158-06.D

Injection Date:	18-Apr-2018 14:23:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-2	Lab Sample ID:	200-43091-2		
Client ID:	SV002				
Operator ID:	pad	ALS Bottle#:	6	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	4.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

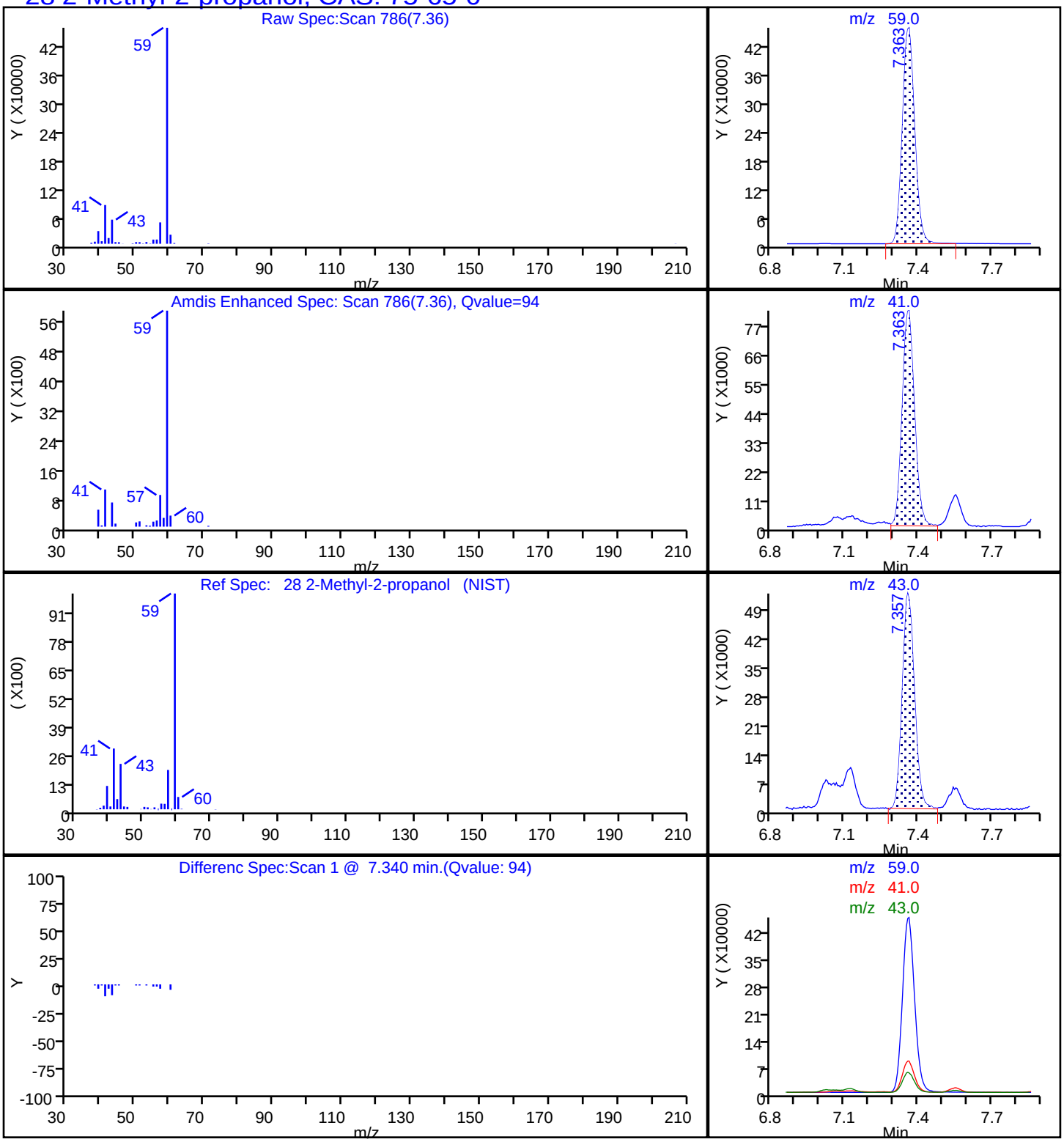
27 Methylene Chloride, CAS: 75-09-2



TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180418-30158.b\30158-06.D				
Injection Date:	18-Apr-2018 14:23:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-2	Lab Sample ID:	200-43091-2		
Client ID:	SV002				
Operator ID:	pad	ALS Bottle#:	6	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	4.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

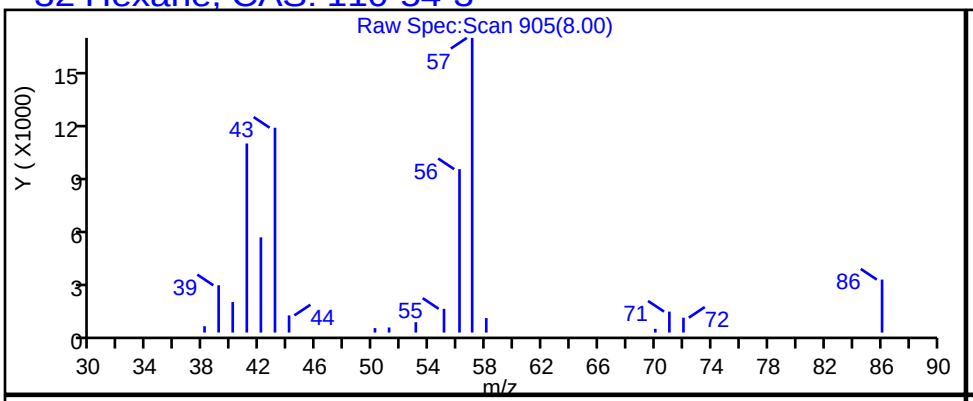
28 2-Methyl-2-propanol, CAS: 75-65-0

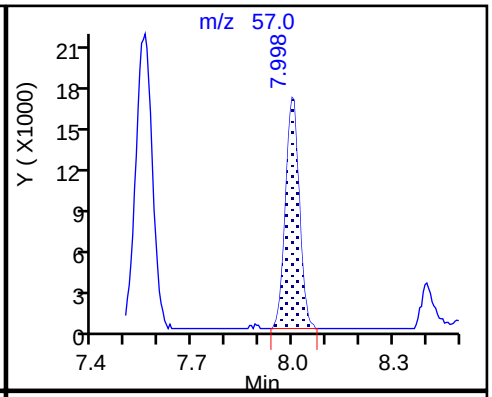


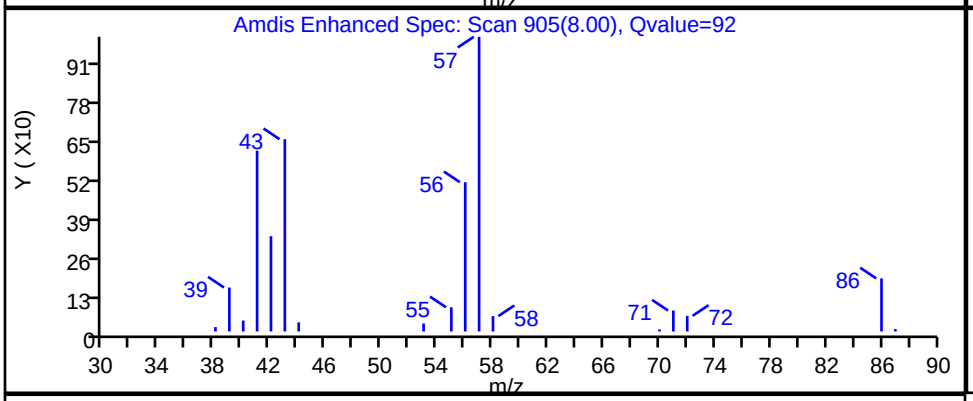
TestAmerica Burlington

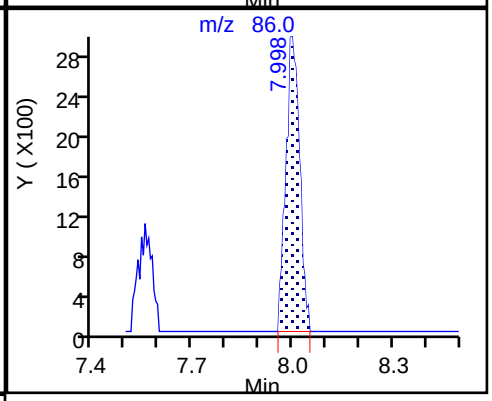
Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180418-30158.b\30158-06.D		
Injection Date:	18-Apr-2018 14:23:30	Instrument ID:	CHB.i
Lims ID:	200-43091-A-2	Lab Sample ID:	200-43091-2
Client ID:	SV002		
Operator ID:	pad	ALS Bottle#:	6 Worklist Smp#: 6
Purge Vol:	200.000 mL	Dil. Factor:	4.0000
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

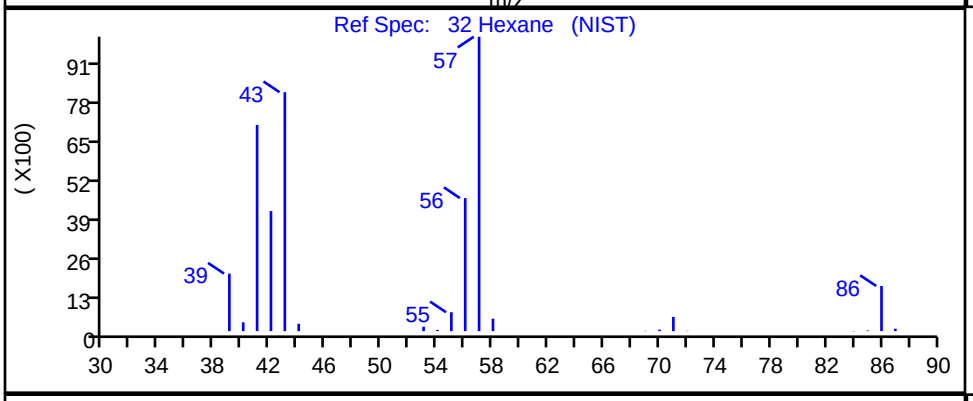
32 Hexane, CAS: 110-54-3

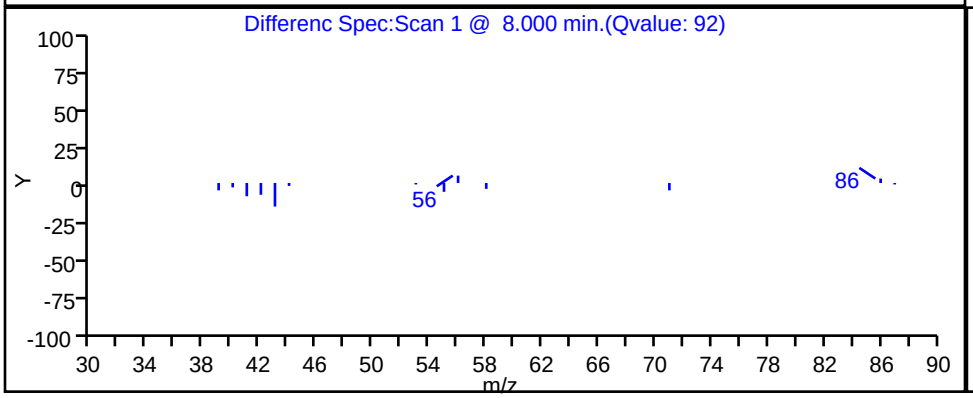


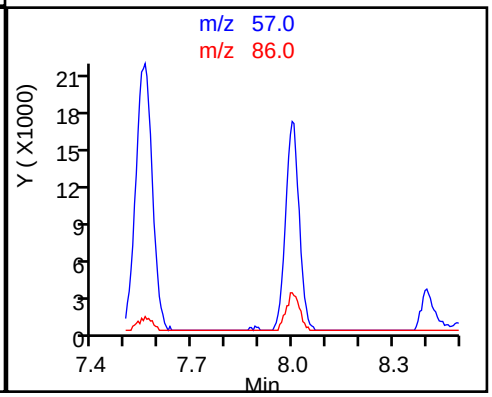






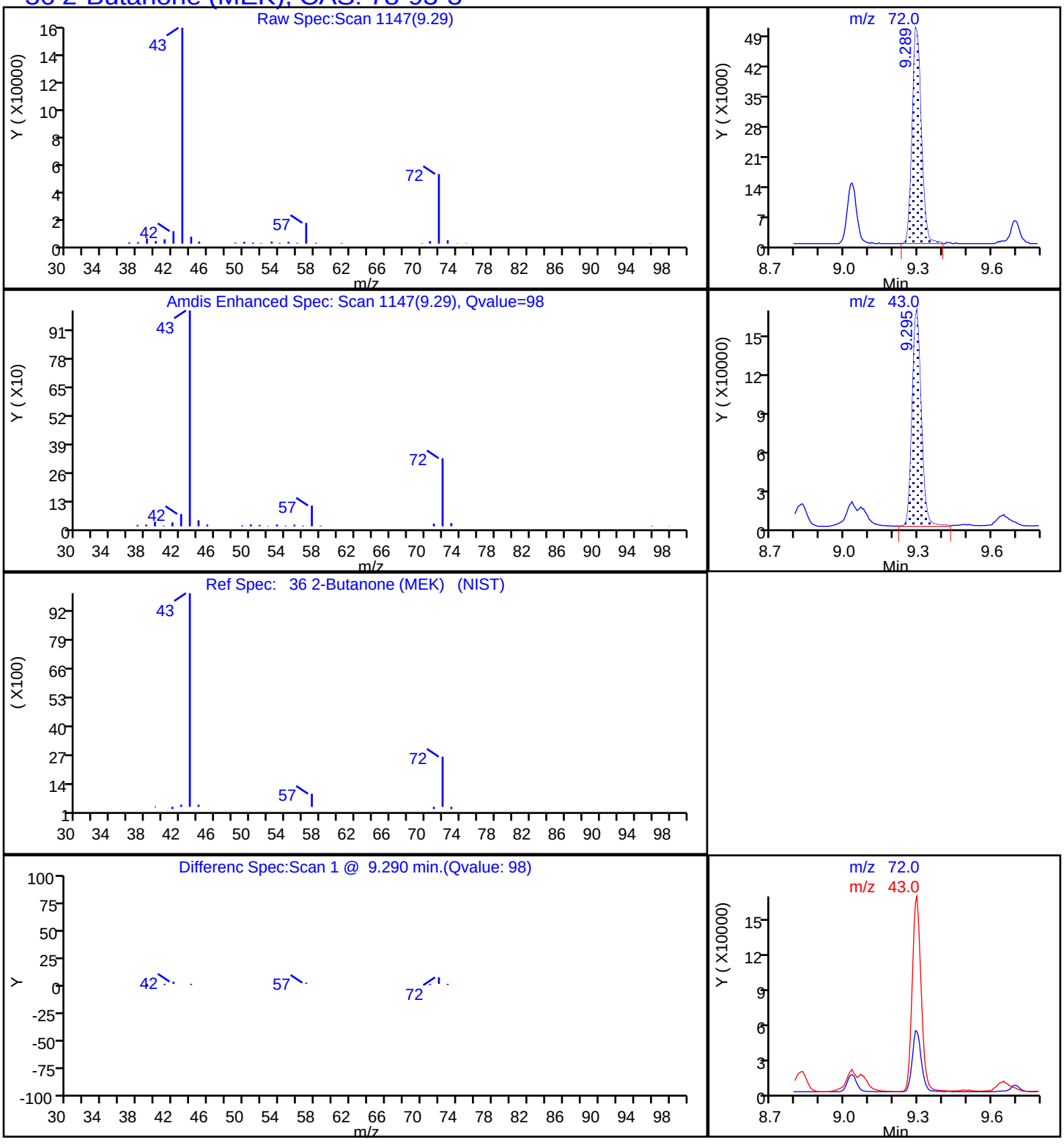






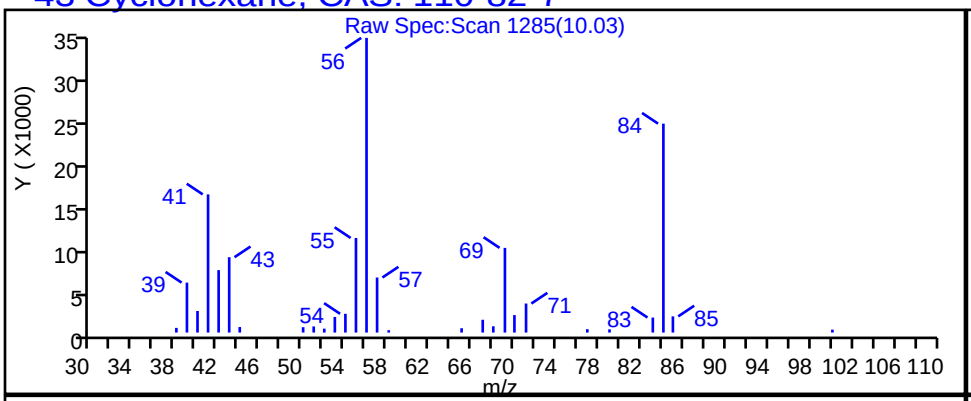
Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180418-30158.b\30158-06.D
Injection Date: 18-Apr-2018 14:23:30 Instrument ID: CHB.i
Lims ID: 200-43091-A-2 Lab Sample ID: 200-43091-2
Client ID: SV002
Operator ID: pad ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 200.000 mL Dil. Factor: 4.0000
Method: TO15_LLNJ_TO3 Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

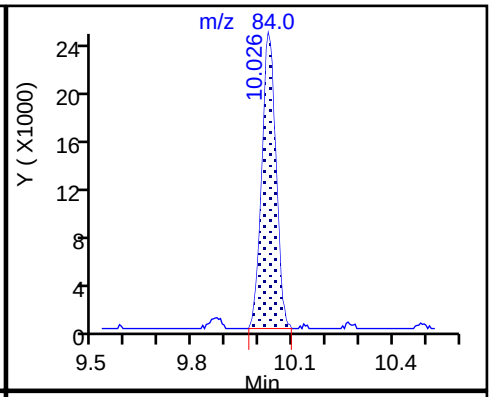
36 2-Butanone (MEK), CAS: 78-93-3

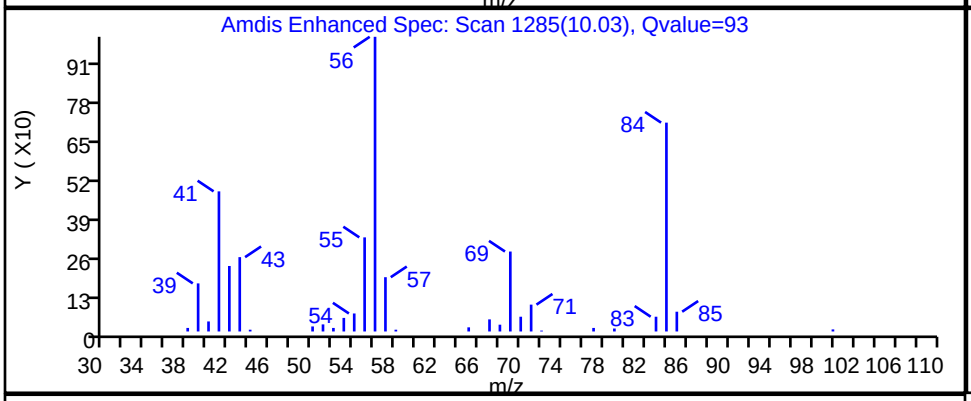


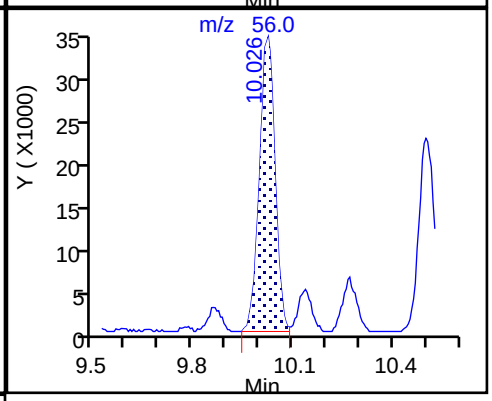
Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180418-30158.b\30158-06.D
Injection Date: 18-Apr-2018 14:23:30 Instrument ID: CHB.i
Lims ID: 200-43091-A-2 Lab Sample ID: 200-43091-2
Client ID: SV002
Operator ID: pad ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 200.000 mL Dil. Factor: 4.0000
Method: TO15_LLNJ_TO3 Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

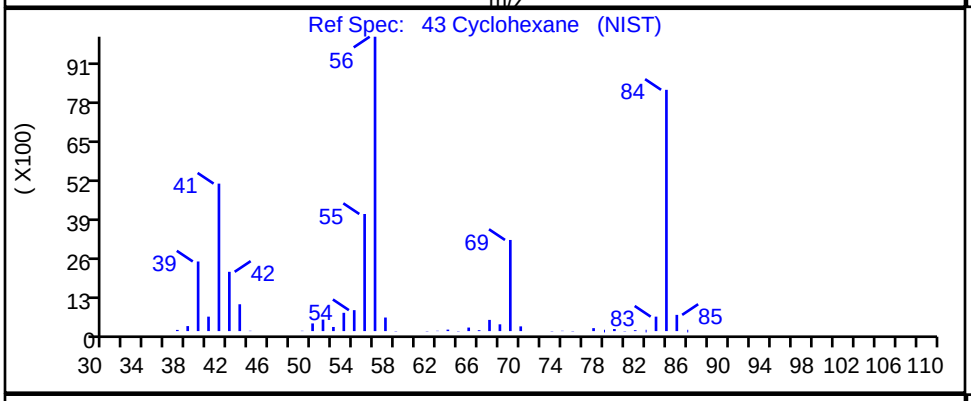
43 Cyclohexane, CAS: 110-82-7

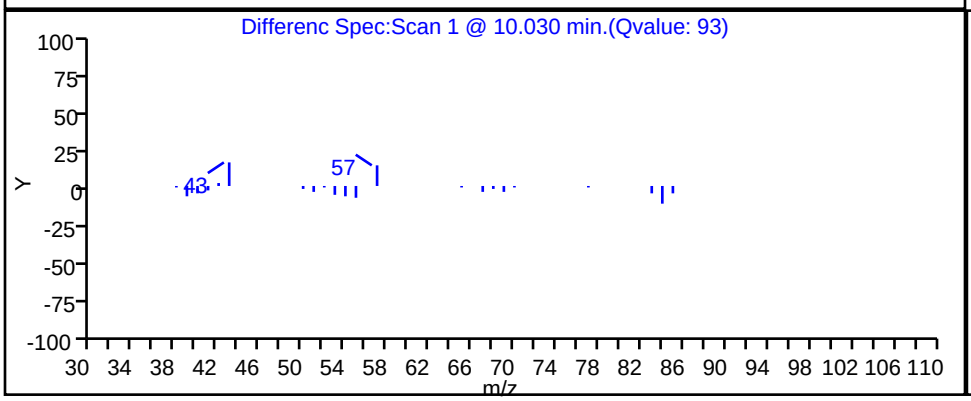


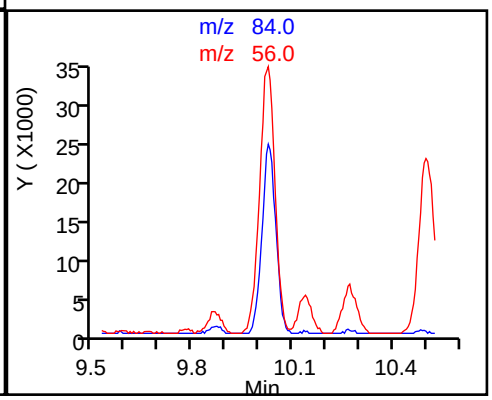








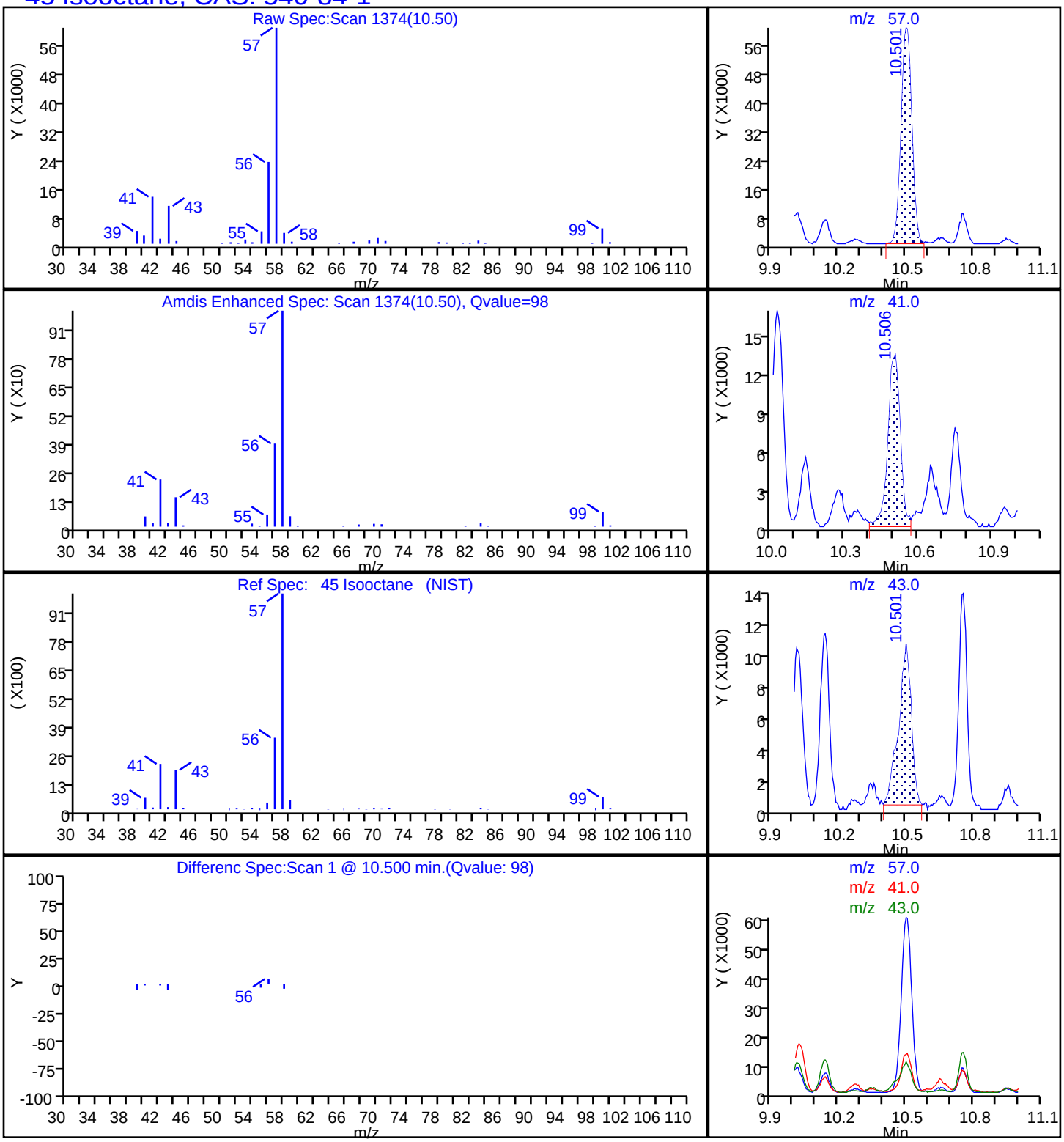




TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180418-30158.b\30158-06.D		
Injection Date:	18-Apr-2018 14:23:30	Instrument ID:	CHB.i
Lims ID:	200-43091-A-2	Lab Sample ID:	200-43091-2
Client ID:	SV002		
Operator ID:	pad	ALS Bottle#:	6 Worklist Smp#: 6
Purge Vol:	200.000 mL	Dil. Factor:	4.0000
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

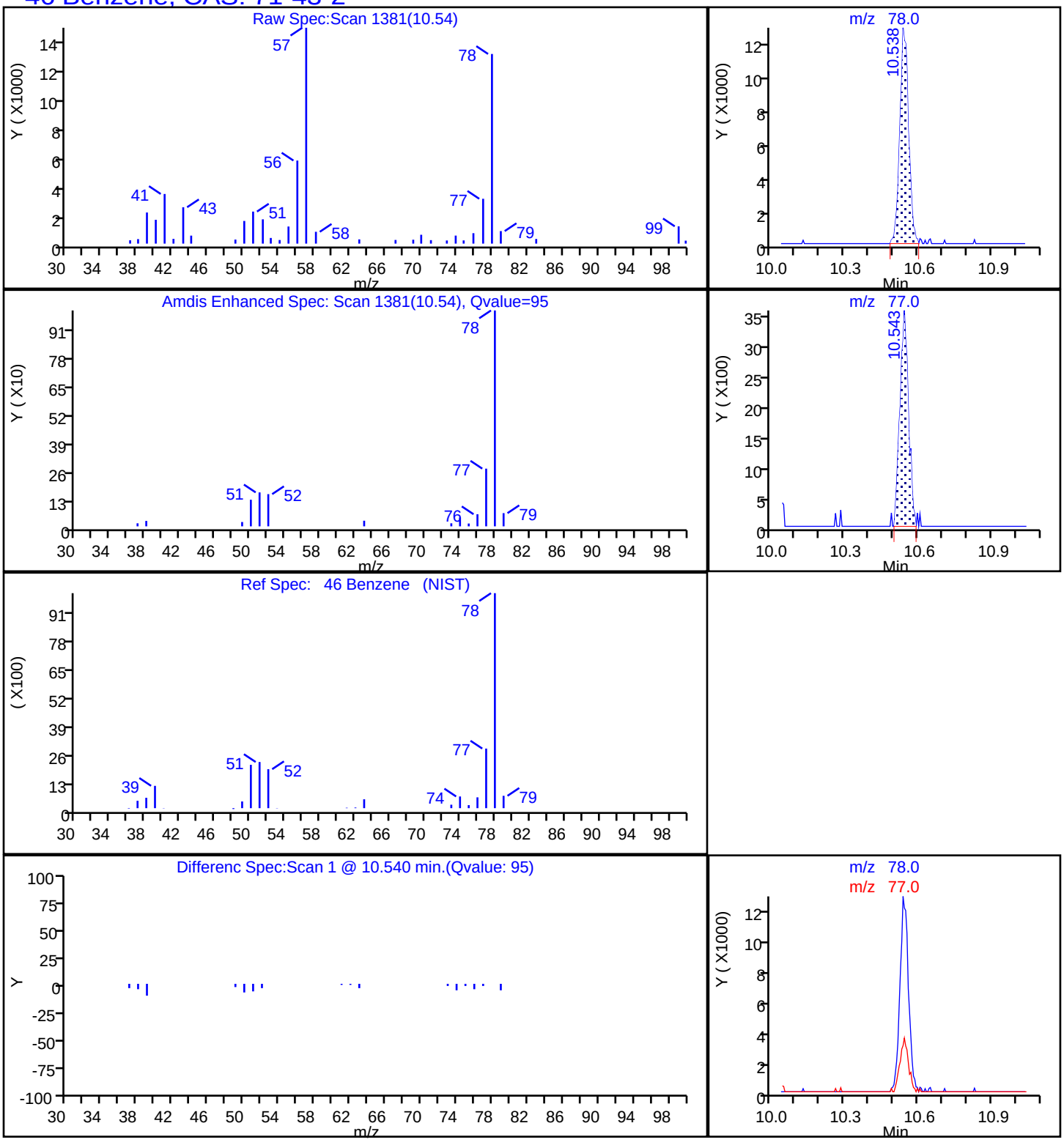
45 Isooctane, CAS: 540-84-1



TestAmerica Burlington

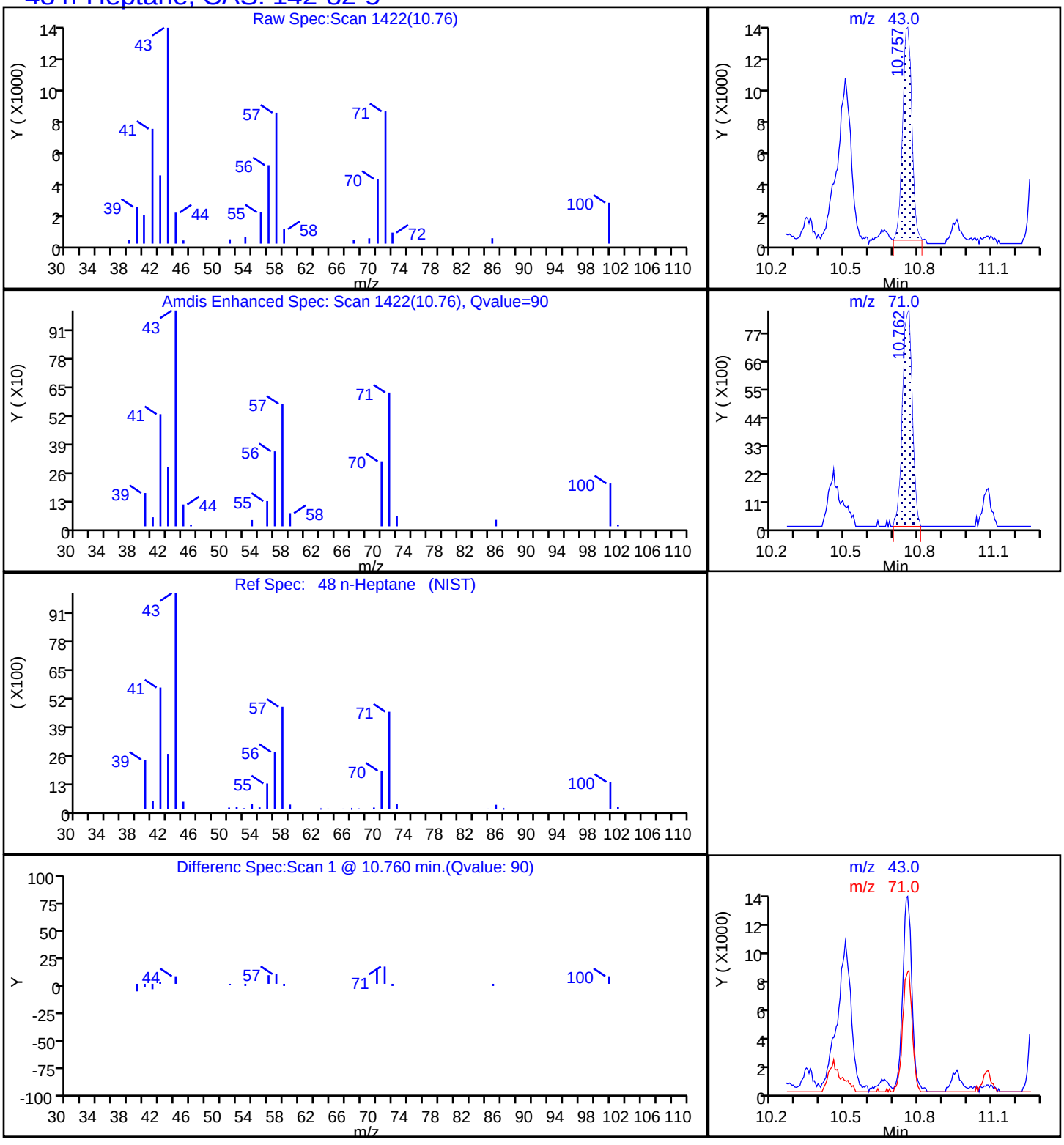
Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180418-30158.b\30158-06.D				
Injection Date:	18-Apr-2018 14:23:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-2	Lab Sample ID:	200-43091-2		
Client ID:	SV002				
Operator ID:	pad	ALS Bottle#:	6	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	4.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

46 Benzene, CAS: 71-43-2



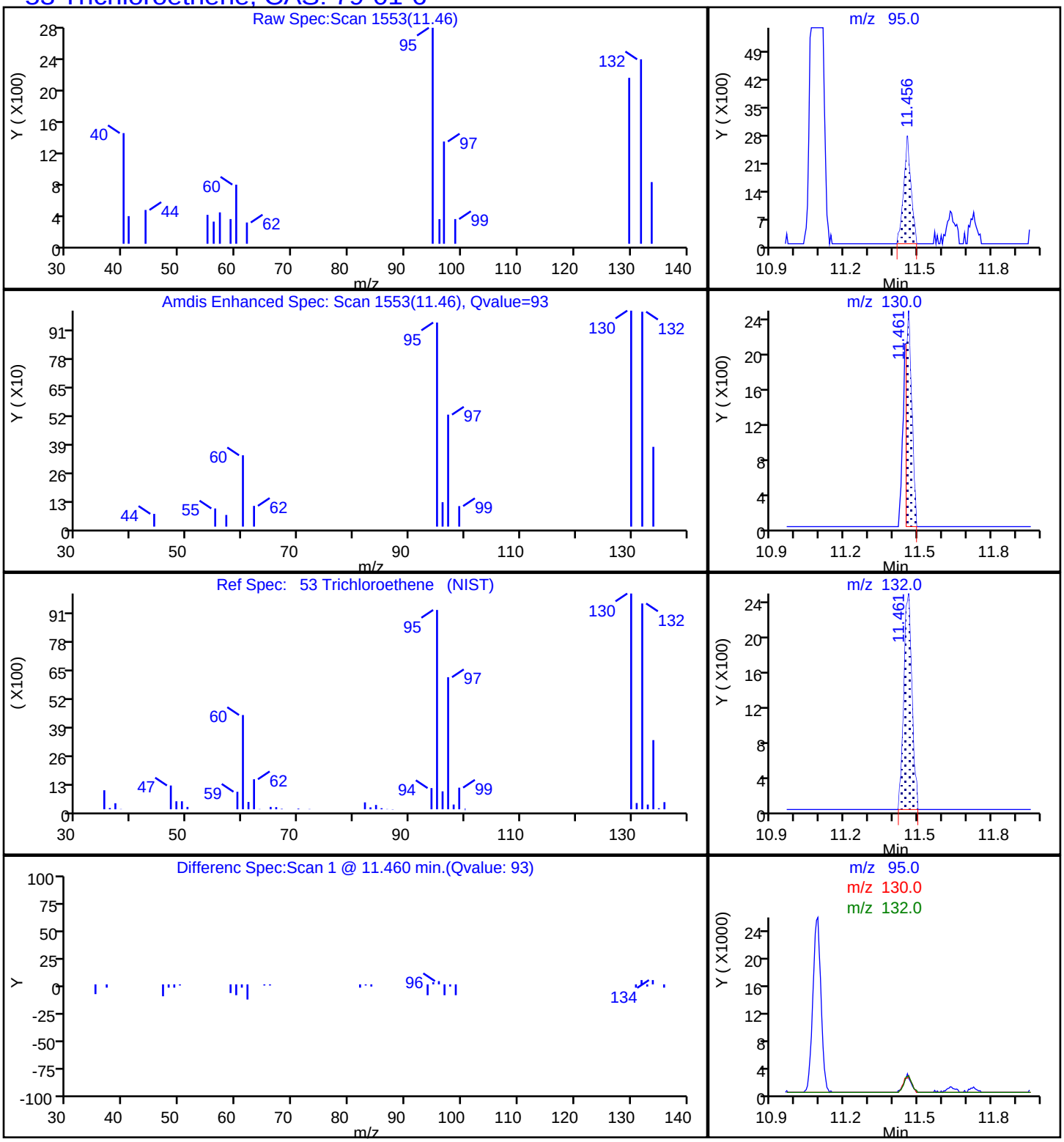
Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180418-30158.b\30158-06.D
Injection Date: 18-Apr-2018 14:23:30 Instrument ID: CHB.i
Lims ID: 200-43091-A-2 Lab Sample ID: 200-43091-2
Client ID: SV002
Operator ID: pad ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 200.000 mL Dil. Factor: 4.0000
Method: TO15_LLNJ_TO3 Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

48 n-Heptane, CAS: 142-82-5



Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180418-30158.b\30158-06.D
Injection Date: 18-Apr-2018 14:23:30 Instrument ID: CHB.i
Lims ID: 200-43091-A-2 Lab Sample ID: 200-43091-2
Client ID: SV002
Operator ID: pad ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 200.000 mL Dil. Factor: 4.0000
Method: TO15_LLNJ_TO3 Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

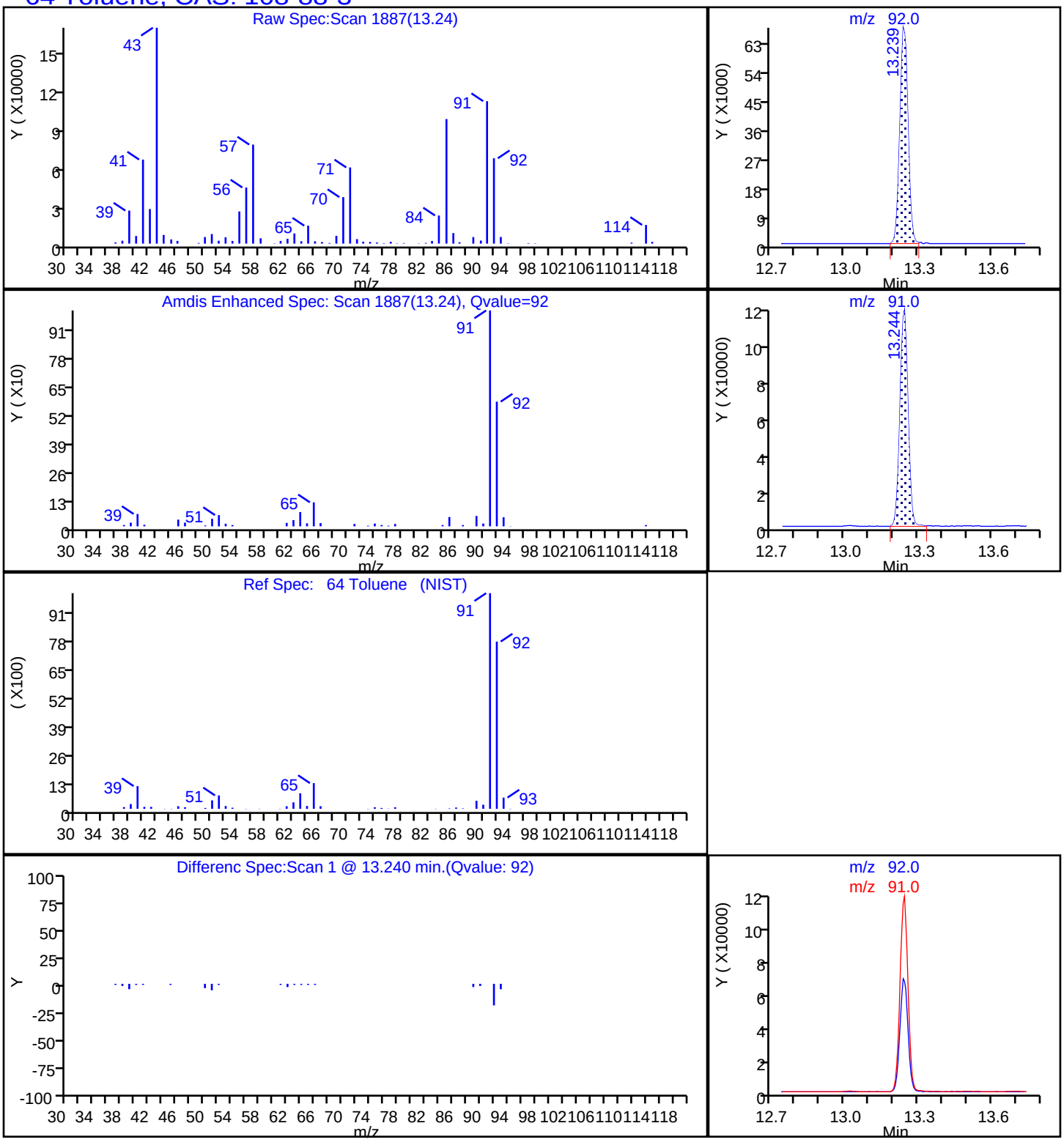
53 Trichloroethene, CAS: 79-01-6



TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180418-30158.b\30158-06.D				
Injection Date:	18-Apr-2018 14:23:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-2	Lab Sample ID:	200-43091-2		
Client ID:	SV002				
Operator ID:	pad	ALS Bottle#:	6	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	4.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

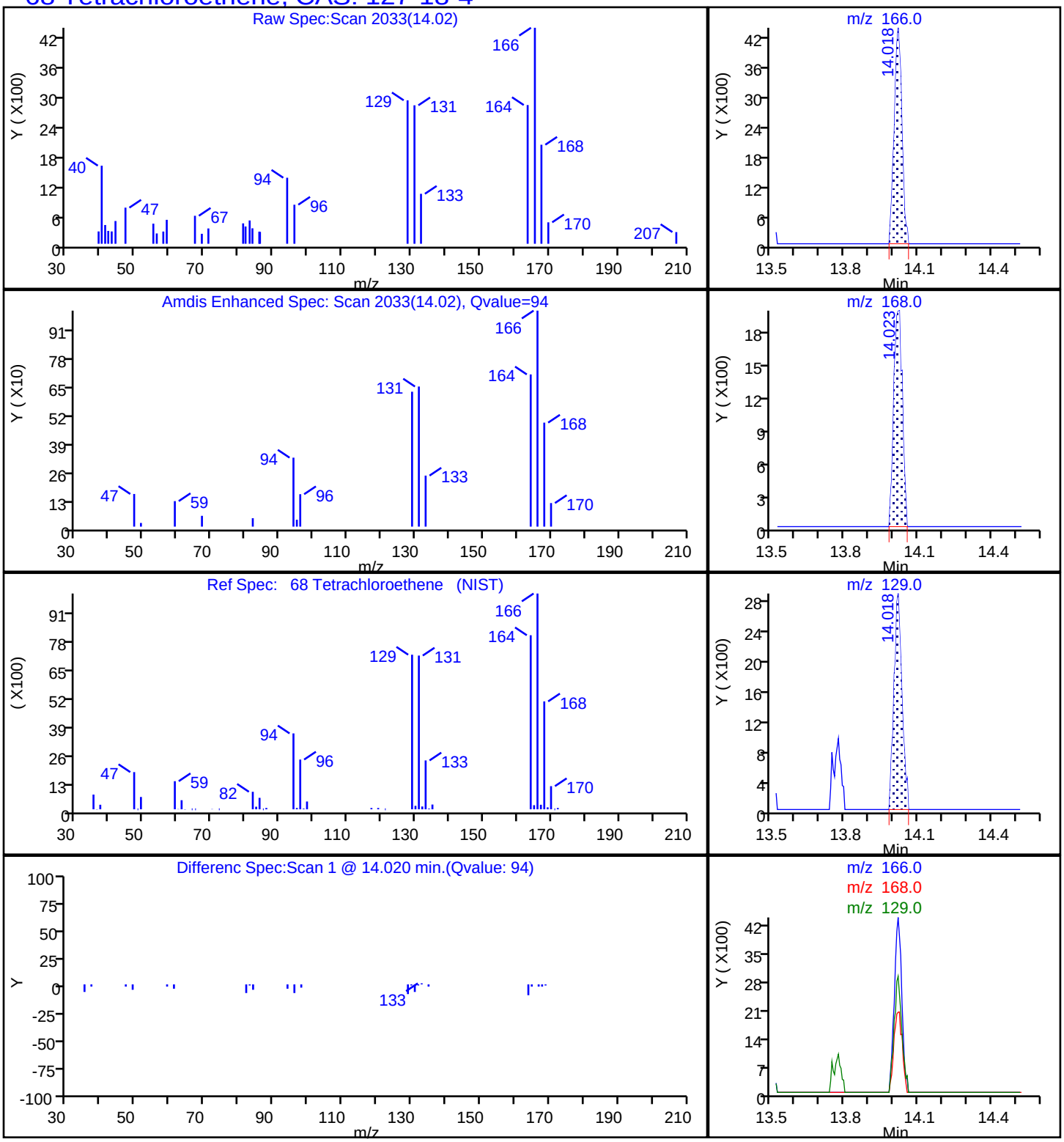
64 Toluene, CAS: 108-88-3



TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180418-30158.b\30158-06.D				
Injection Date:	18-Apr-2018 14:23:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-2	Lab Sample ID:	200-43091-2		
Client ID:	SV002				
Operator ID:	pad	ALS Bottle#:	6	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	4.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

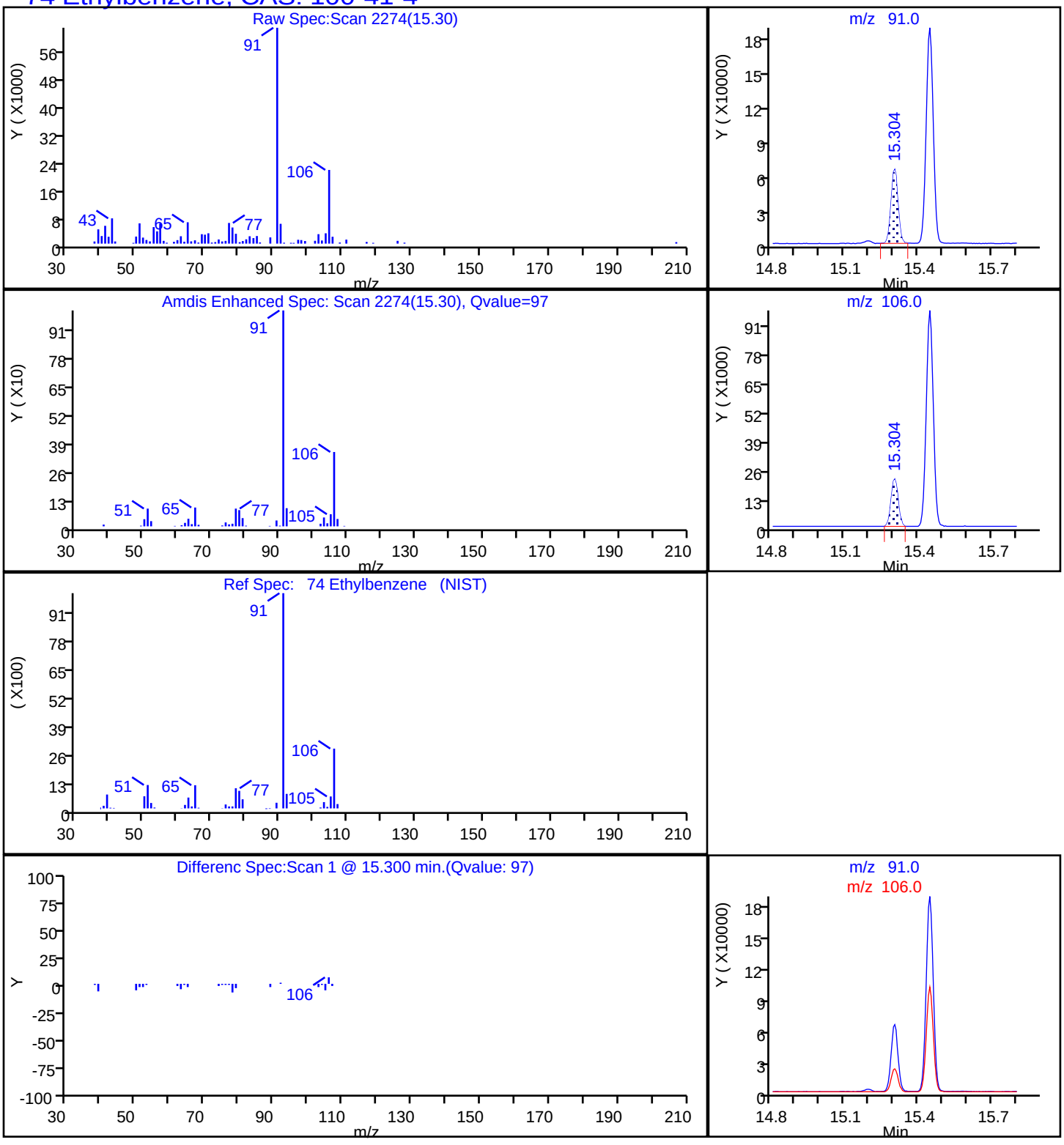
68 Tetrachloroethene, CAS: 127-18-4



TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180418-30158.b\30158-06.D				
Injection Date:	18-Apr-2018 14:23:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-2	Lab Sample ID:	200-43091-2		
Client ID:	SV002				
Operator ID:	pad	ALS Bottle#:	6	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	4.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

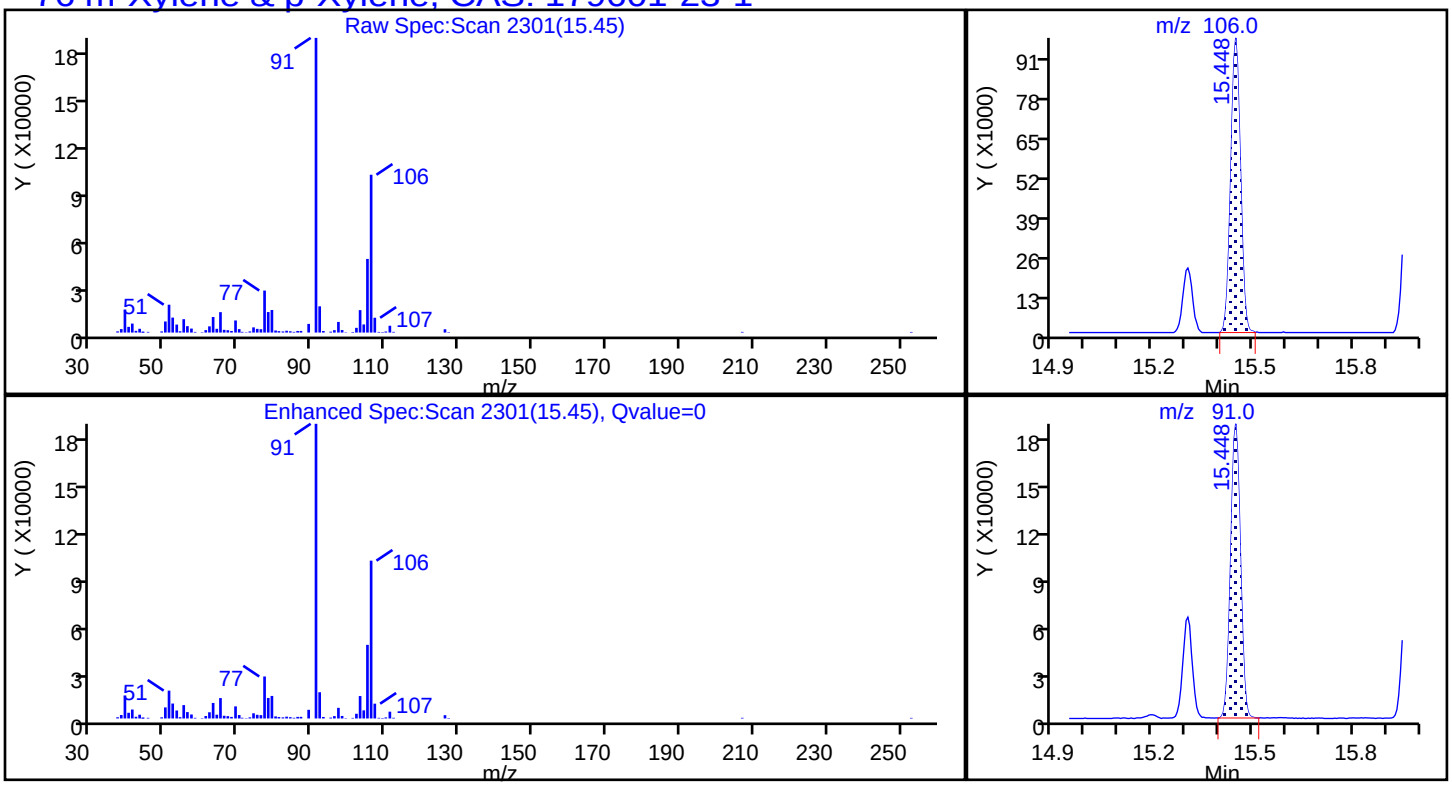
74 Ethylbenzene, CAS: 100-41-4

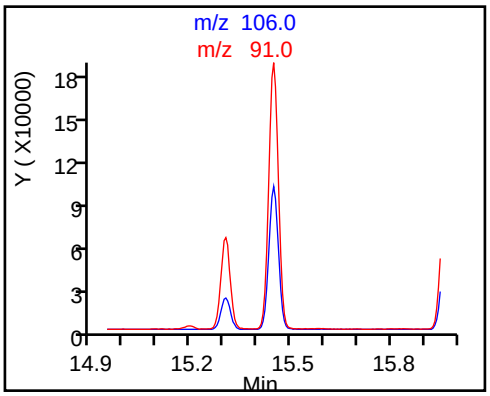


TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180418-30158.b\30158-06.D				
Injection Date:	18-Apr-2018 14:23:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-2	Lab Sample ID:	200-43091-2		
Client ID:	SV002				
Operator ID:	pad	ALS Bottle#:	6	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	4.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

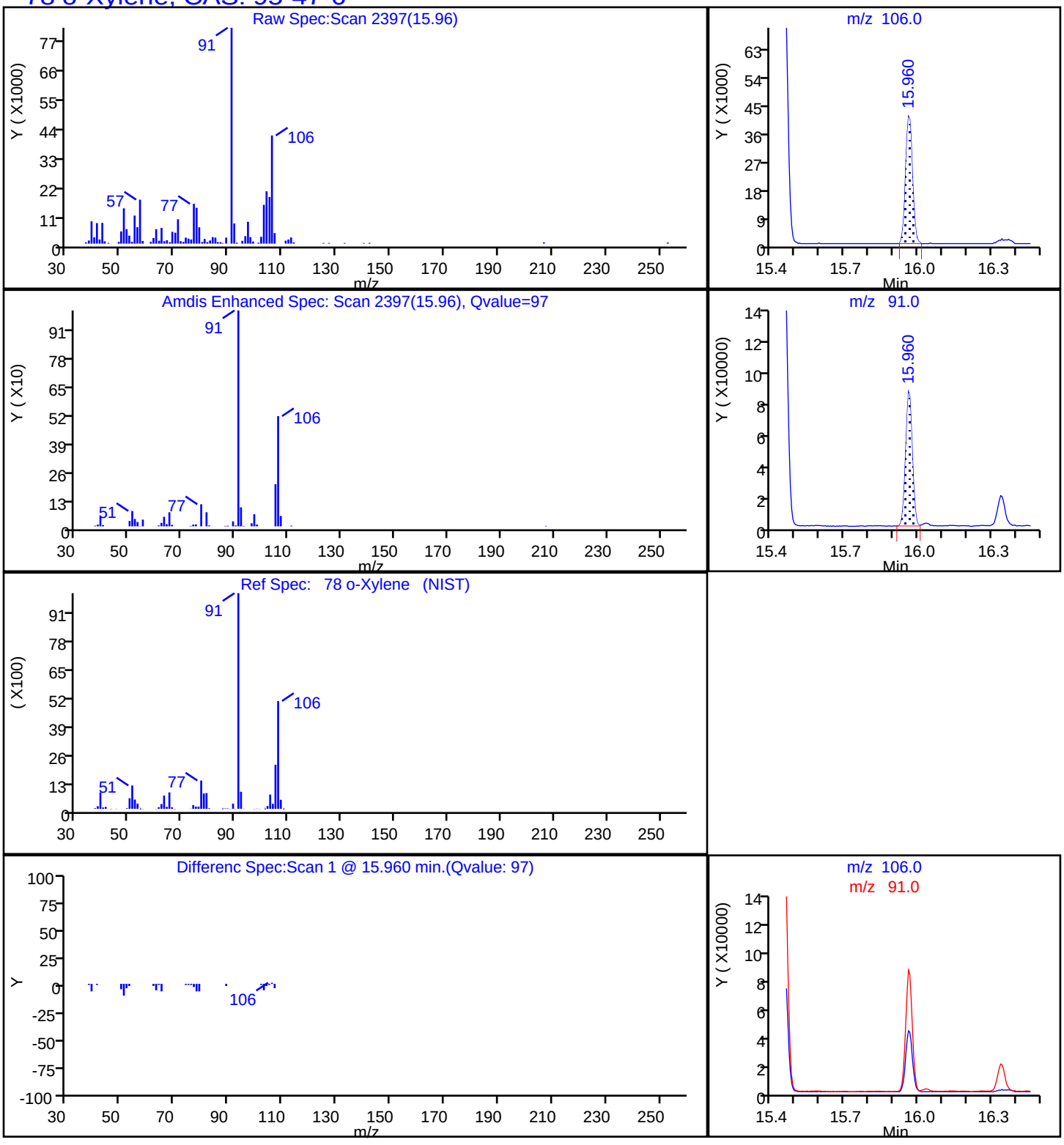
76 m-Xylene & p-Xylene, CAS: 179601-23-1





Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180418-30158.b\30158-06.D
Injection Date: 18-Apr-2018 14:23:30 Instrument ID: CHB.i
Lims ID: 200-43091-A-2 Lab Sample ID: 200-43091-2
Client ID: SV002
Operator ID: pad ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 200.000 mL Dil. Factor: 4.0000
Method: TO15_LLNJ_TO3 Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

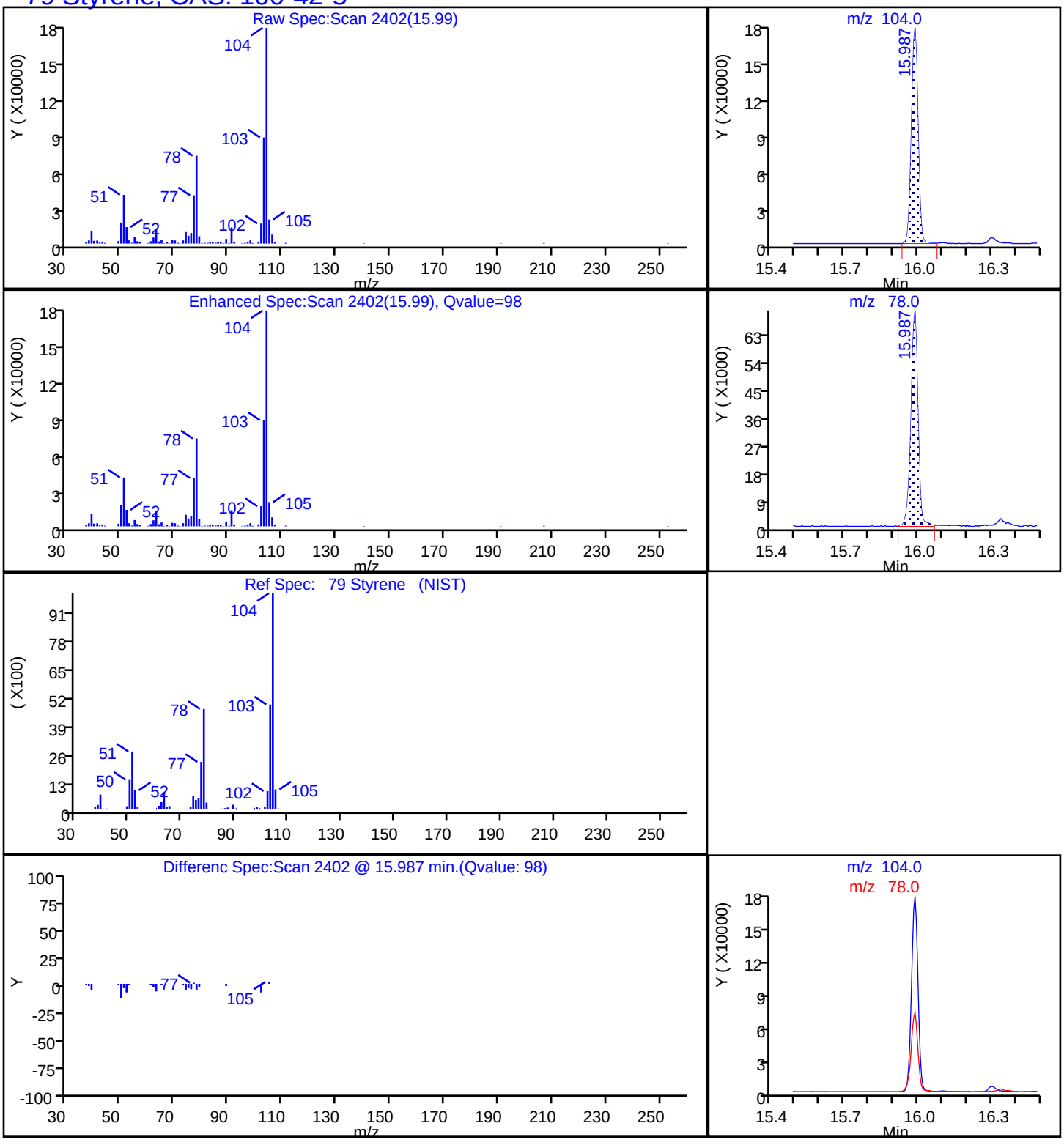
78 o-Xylene, CAS: 95-47-6



TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180418-30158.b\30158-06.D				
Injection Date:	18-Apr-2018 14:23:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-2	Lab Sample ID:	200-43091-2		
Client ID:	SV002				
Operator ID:	pad	ALS Bottle#:	6	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	4.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

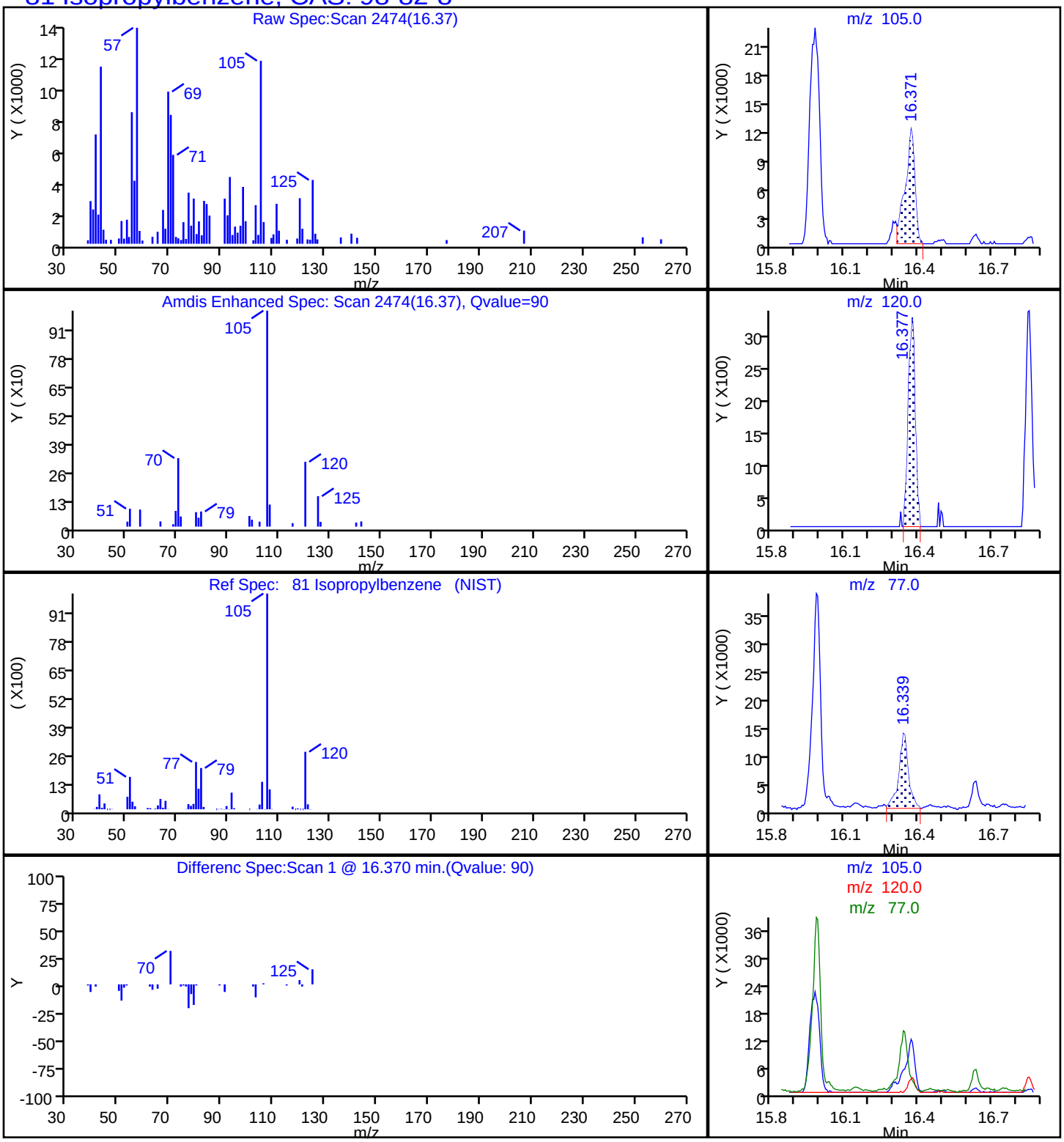
79 Styrene, CAS: 100-42-5



TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180418-30158.b\30158-06.D				
Injection Date:	18-Apr-2018 14:23:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-2	Lab Sample ID:	200-43091-2		
Client ID:	SV002				
Operator ID:	pad	ALS Bottle#:	6	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	4.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

81 Isopropylbenzene, CAS: 98-82-8



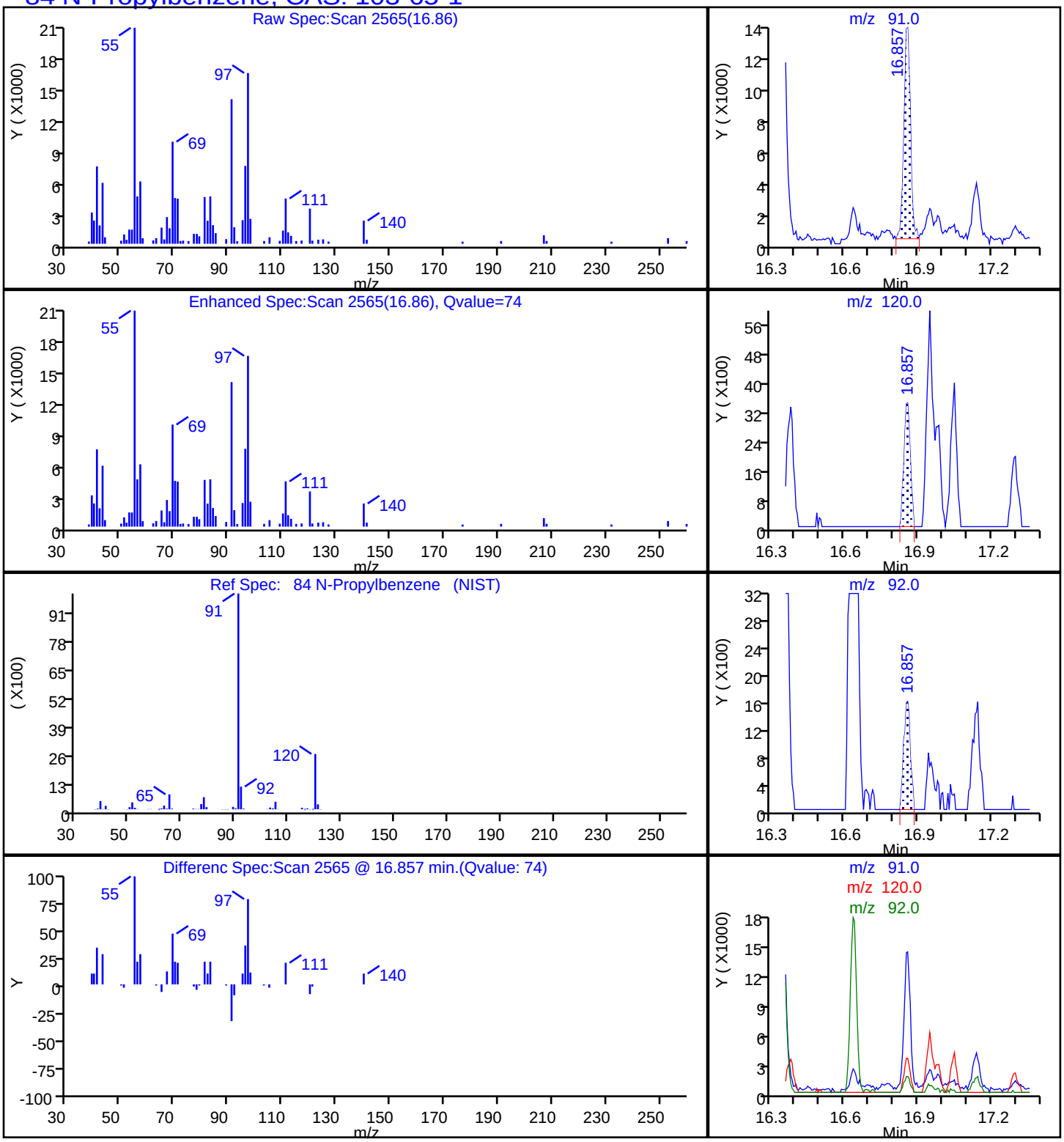
Report Date: 19-Apr-2018 11:19:14 Chrom Revision: 2.2 13-Mar-2018 08:45:20

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180418-30158.b\30158-06.D

Injection Date:	18-Apr-2018 14:23:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-2	Lab Sample ID:	200-43091-2		
Client ID:	SV002				
Operator ID:	pad	ALS Bottle#:	6	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	4.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

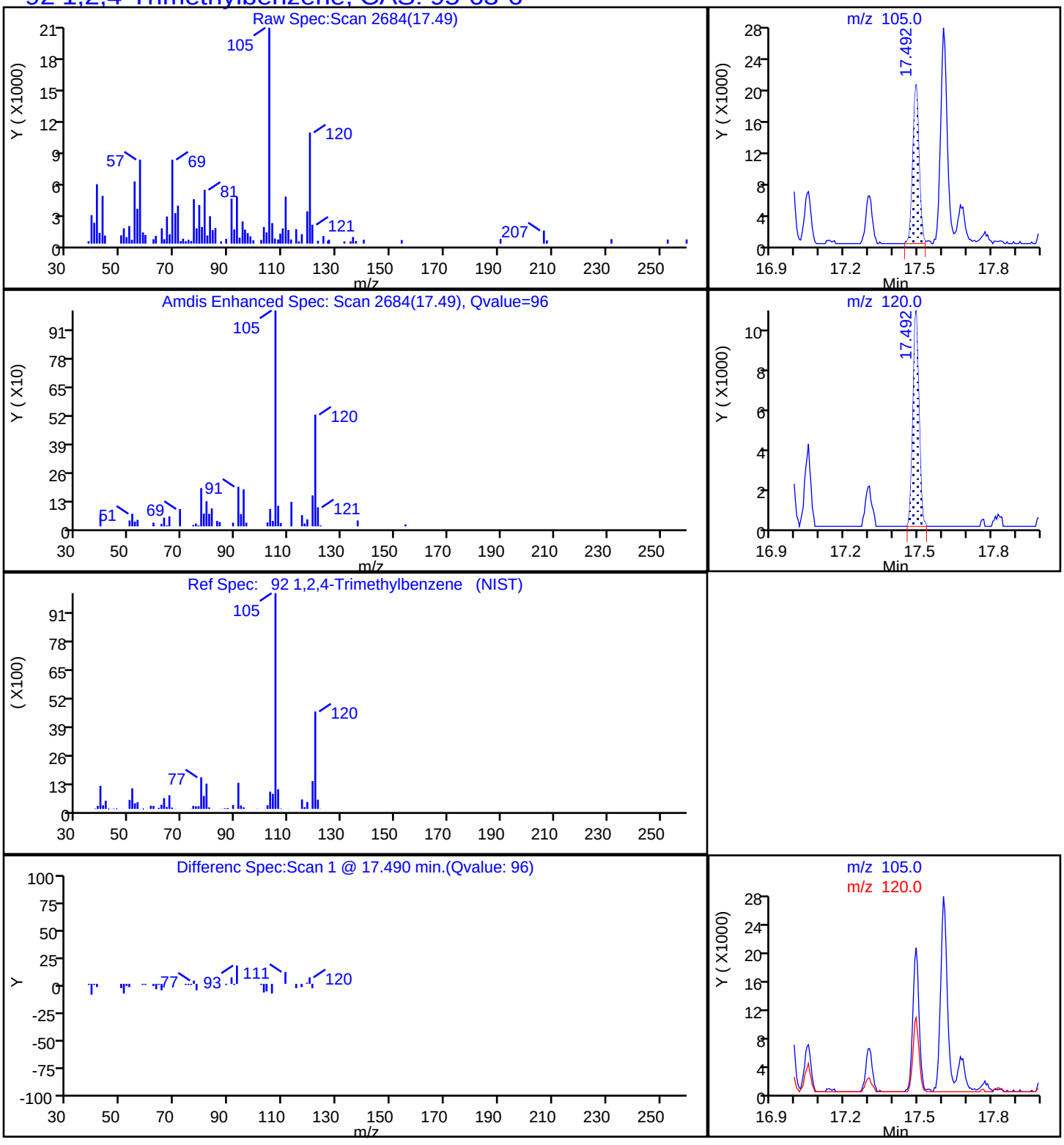
84 N-Propylbenzene, CAS: 103-65-1



TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180418-30158.b\30158-06.D		
Injection Date:	18-Apr-2018 14:23:30	Instrument ID:	CHB.i
Lims ID:	200-43091-A-2	Lab Sample ID:	200-43091-2
Client ID:	SV002		
Operator ID:	pad	ALS Bottle#:	6 Worklist Smp#: 6
Purge Vol:	200.000 mL	Dil. Factor:	4.0000
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

92 1,2,4-Trimethylbenzene, CAS: 95-63-6



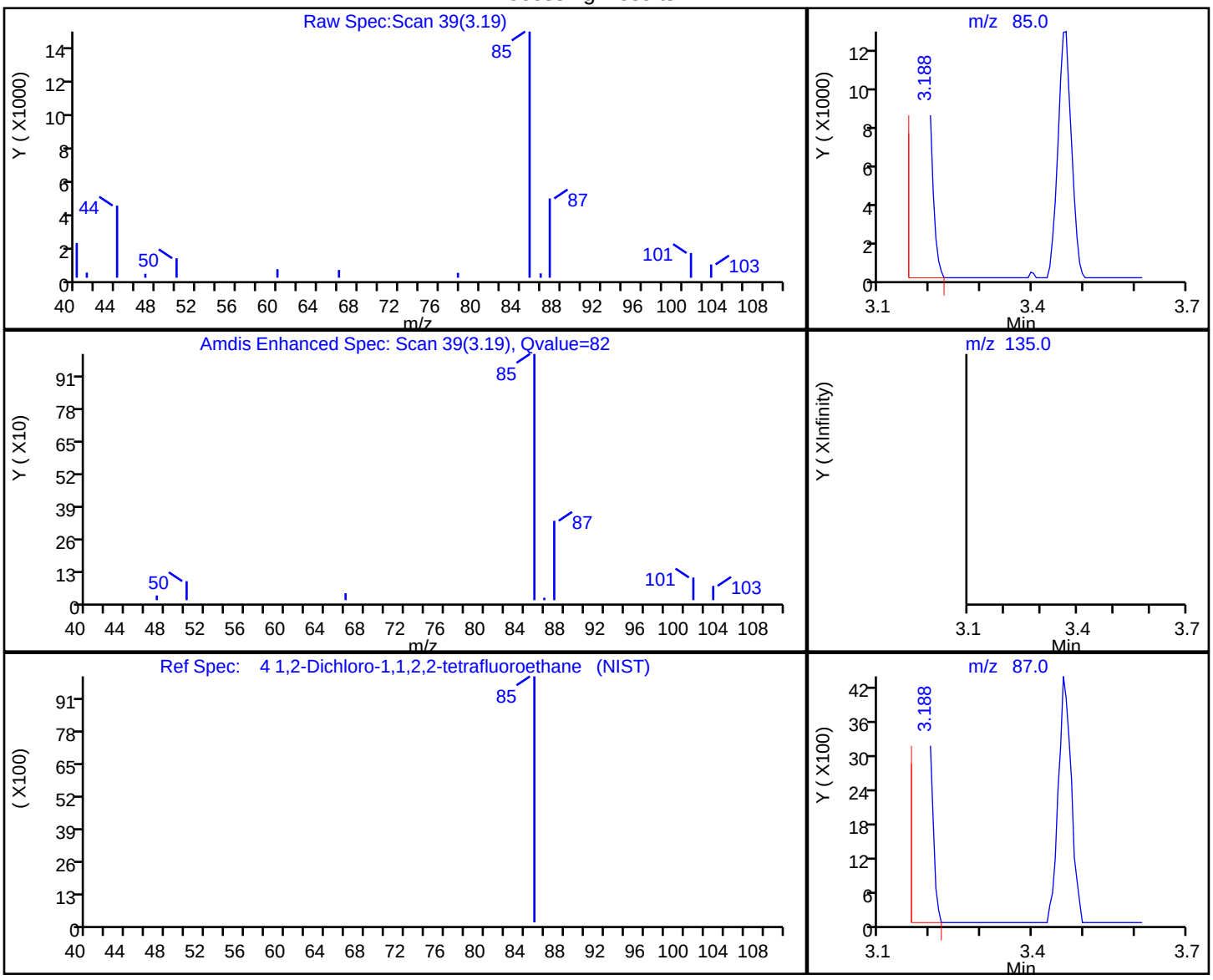
User Disabled Compound Report

TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180418-30158.b\30158-06.D				
Injection Date:	18-Apr-2018 14:23:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-2	Lab Sample ID:	200-43091-2		
Client ID:	SV002				
Operator ID:	pad	ALS Bottle#:	6	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	4.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

4 1,2-Dichloro-1,1,2,2-tetrafluoroethane, CAS: 76-14-2

Processing Results



RT	Mass	Response	Amount
3.19	85.00	22257	0.217565
3.41	135.00	0	
3.19	87.00	7456	

Reviewer: puangmaleek, 19-Apr-2018 11:19:12

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

TestAmerica Burlington

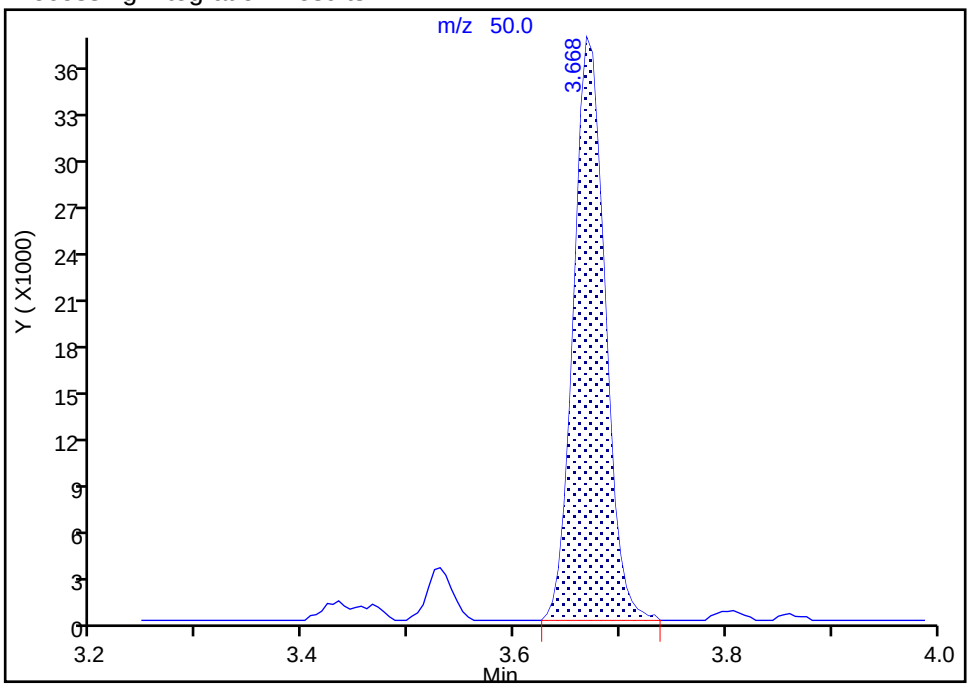
Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180418-30158.b\30158-06.D				
Injection Date:	18-Apr-2018 14:23:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-2	Lab Sample ID:	200-43091-2		
Client ID:	SV002				
Operator ID:	pad	ALS Bottle#:	6	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	4.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

5 Chloromethane, CAS: 74-87-3

Signal: 1

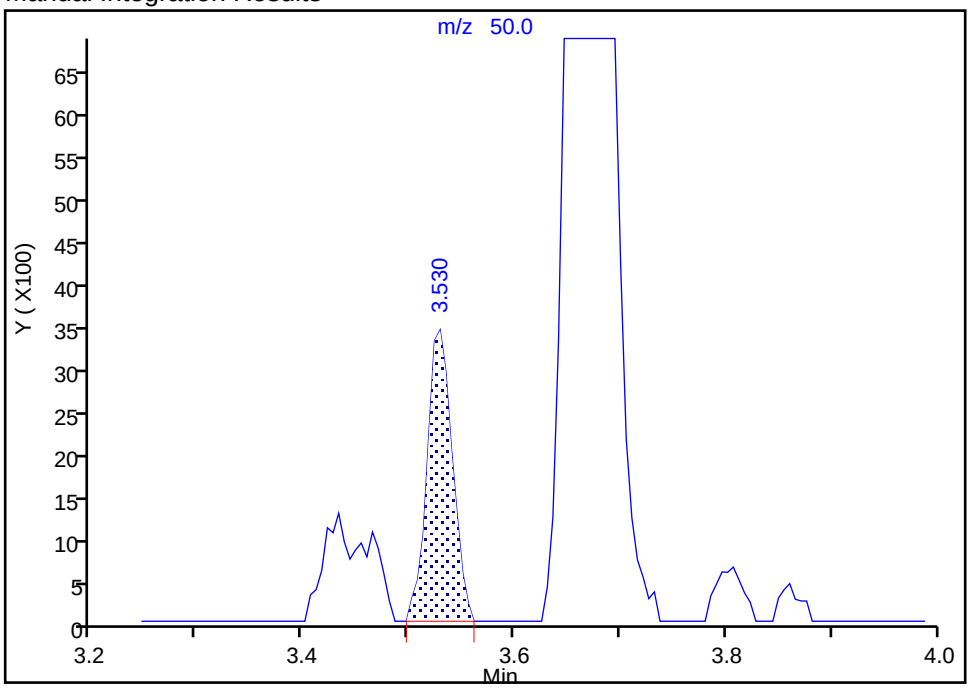
Processing Integration Results

RT: 3.67
Area: 78304
Amount: 2.482101
Amount Units: ppb v/v



Manual Integration Results

RT: 3.53
Area: 5690
Amount: 0.180363
Amount Units: ppb v/v



Reviewer: puangmaleek, 19-Apr-2018 11:14:44

Audit Action: Assigned Compound ID Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

TestAmerica Burlington

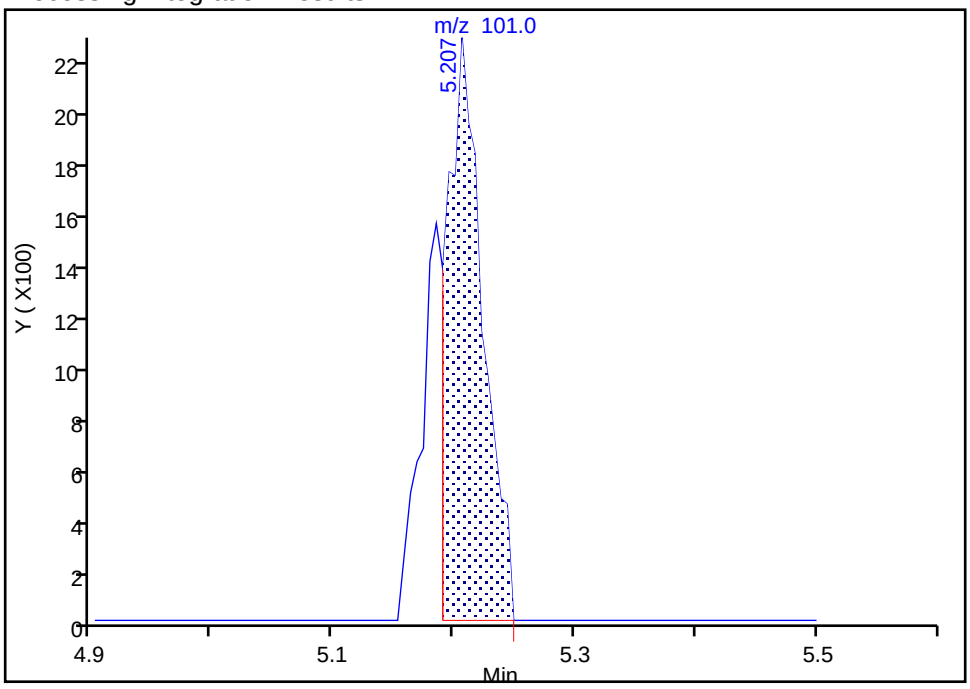
Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180418-30158.b\30158-06.D				
Injection Date:	18-Apr-2018 14:23:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-2	Lab Sample ID:	200-43091-2		
Client ID:	SV002				
Operator ID:	pad	ALS Bottle#:	6	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	4.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

14 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

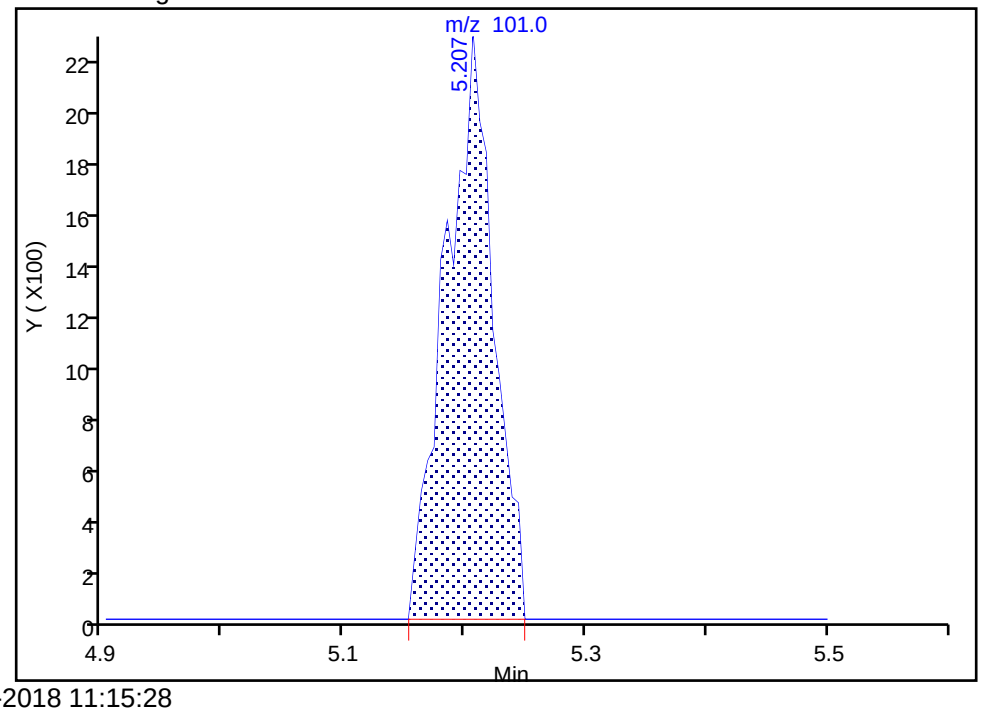
Processing Integration Results

RT: 5.21
Area: 4694
Amount: 0.044028
Amount Units: ppb v/v



Manual Integration Results

RT: 5.21
Area: 6297
Amount: 0.059064
Amount Units: ppb v/v



Reviewer: puangmaleek, 19-Apr-2018 11:15:28

Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

TestAmerica Burlington

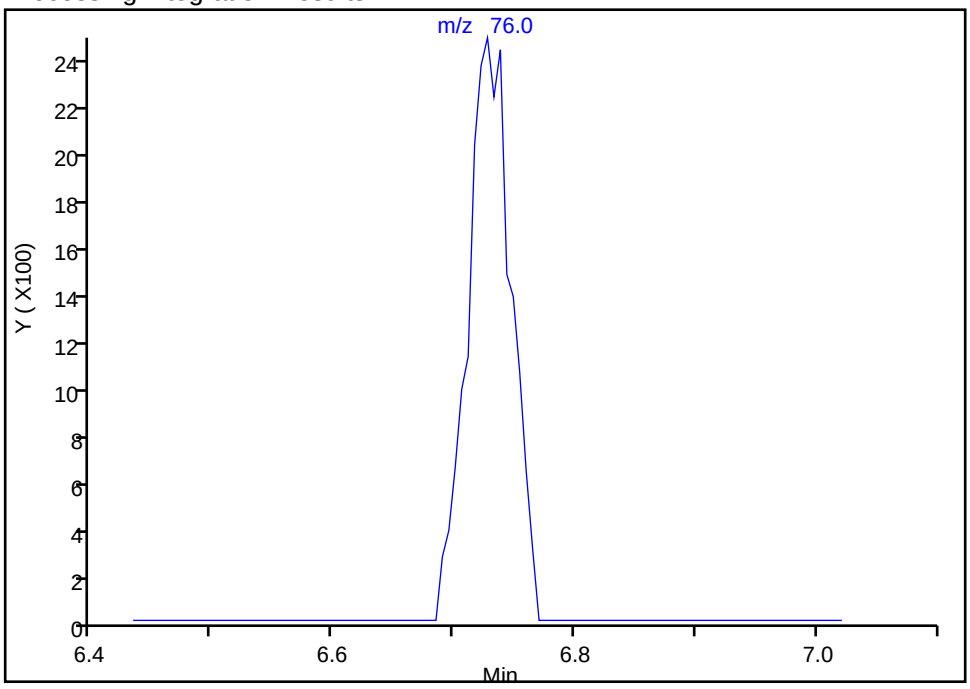
Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180418-30158.b\30158-06.D				
Injection Date:	18-Apr-2018 14:23:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-2	Lab Sample ID:	200-43091-2		
Client ID:	SV002				
Operator ID:	pad	ALS Bottle#:	6	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	4.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

23 Carbon disulfide, CAS: 75-15-0

Signal: 1

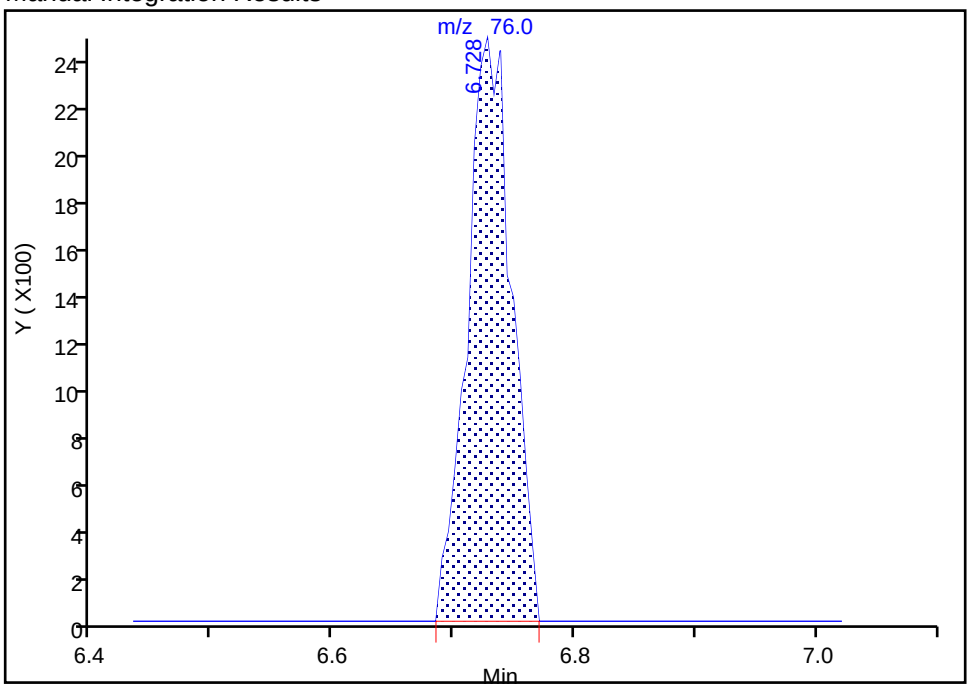
Not Detected
Expected RT: 6.73

Processing Integration Results



Manual Integration Results

RT: 6.73
Area: 6169
Amount: 0.051284
Amount Units: ppb v/v



Reviewer: puangmaleek, 19-Apr-2018 11:15:56
Audit Action: Assigned Compound ID Audit Reason: Assign Peak

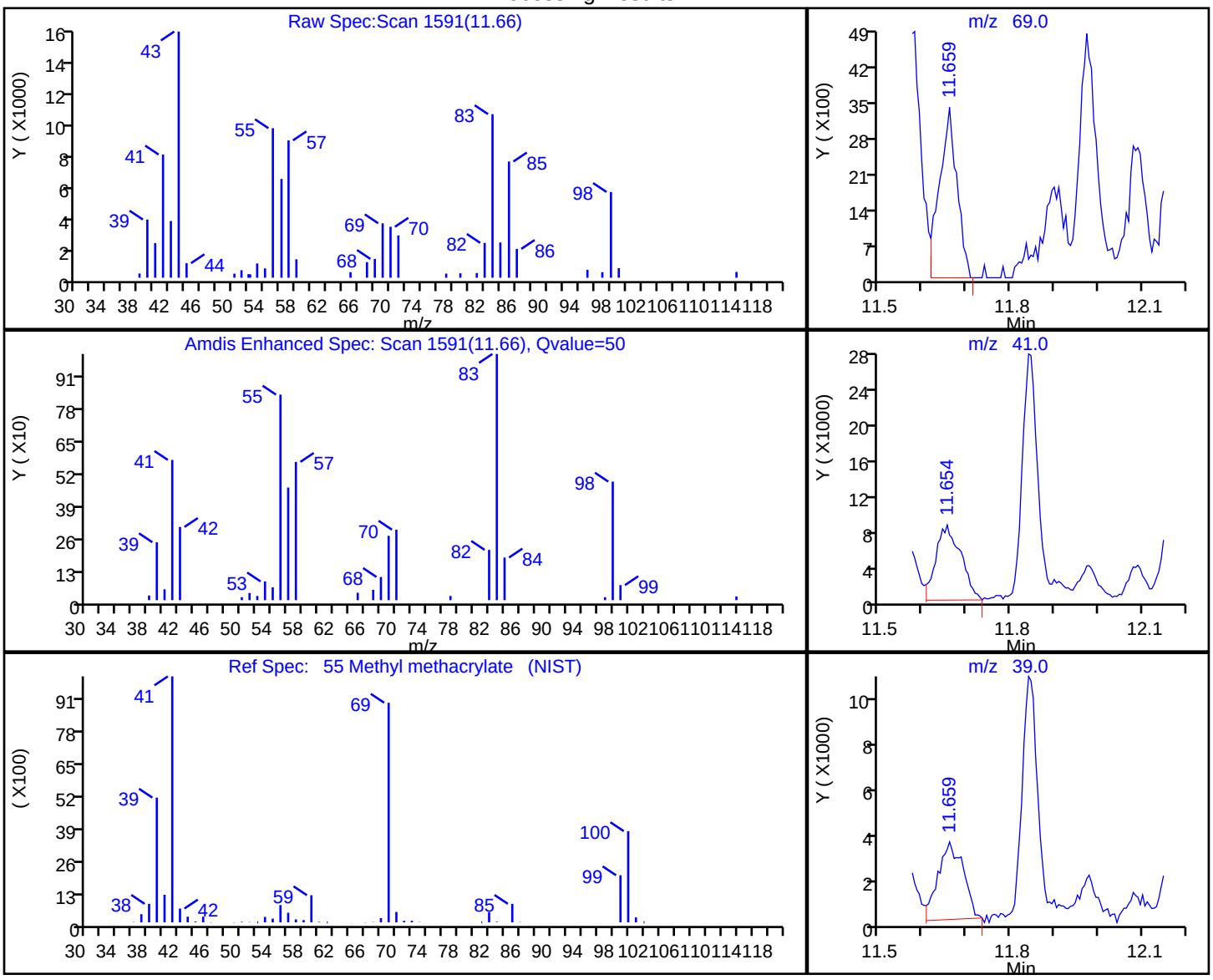
User Disabled Compound Report

TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180418-30158.b\30158-06.D				
Injection Date:	18-Apr-2018 14:23:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-2	Lab Sample ID:	200-43091-2		
Client ID:	SV002				
Operator ID:	pad	ALS Bottle#:	6	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	4.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

55 Methyl methacrylate, CAS: 80-62-6

Processing Results



RT	Mass	Response	Amount
11.66	69.00	9290	0.158185
11.65	41.00	33243	
11.66	39.00	13784	

Reviewer: puangmaleek, 19-Apr-2018 11:19:12

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

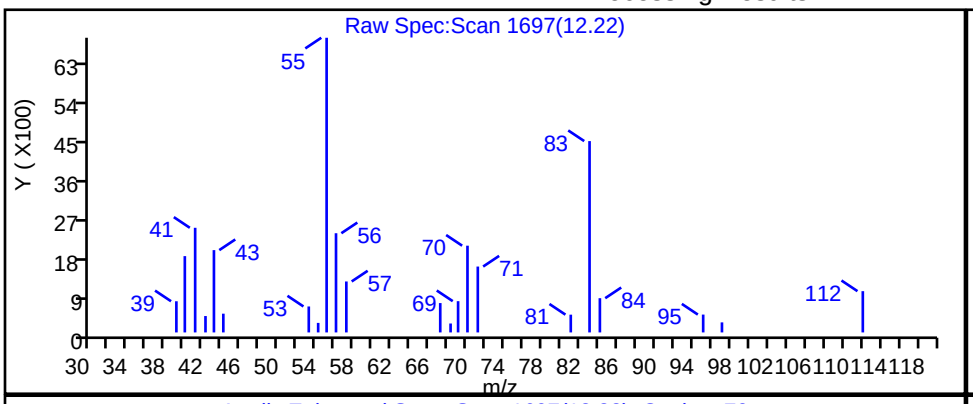
User Disabled Compound Report

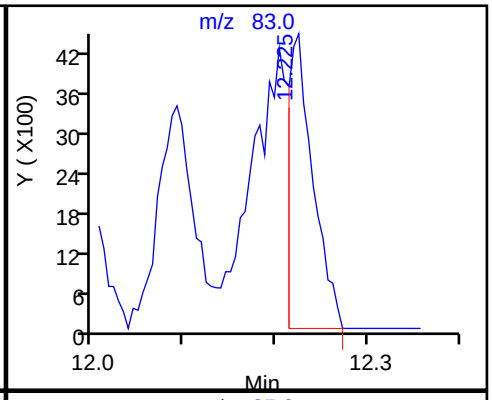
TestAmerica Burlington

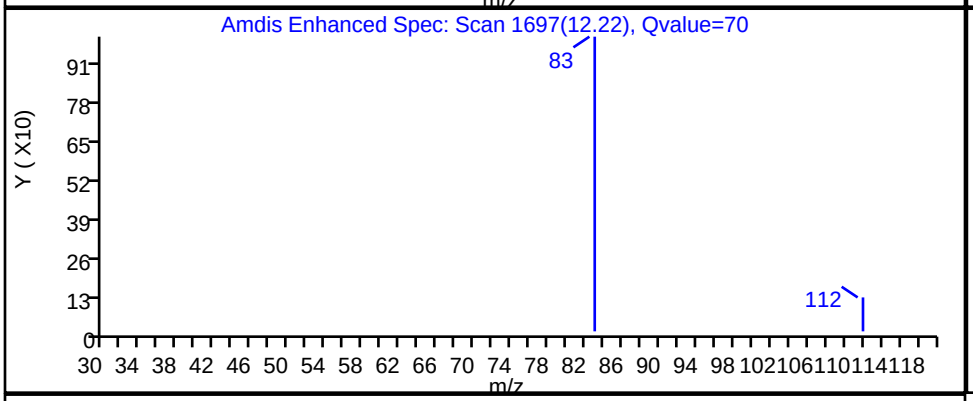
Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180418-30158.b\30158-06.D				
Injection Date:	18-Apr-2018 14:23:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-2	Lab Sample ID:	200-43091-2		
Client ID:	SV002				
Operator ID:	pad	ALS Bottle#:	6	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	4.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

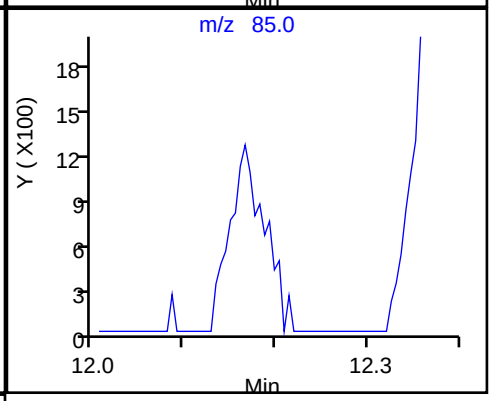
58 Dichlorobromomethane, CAS: 75-27-4

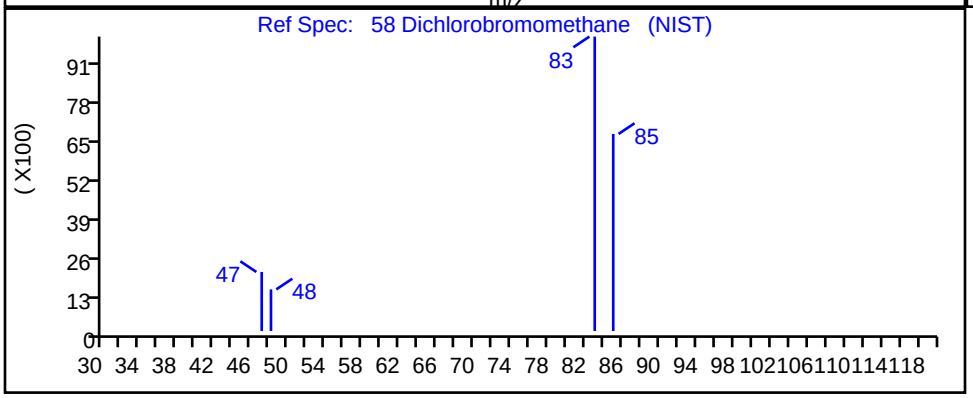
Processing Results











RT	Mass	Response	Amount
12.22	83.00	8152	0.077599
12.18	85.00	0	

Reviewer: puangmaleek, 19-Apr-2018 11:19:12

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

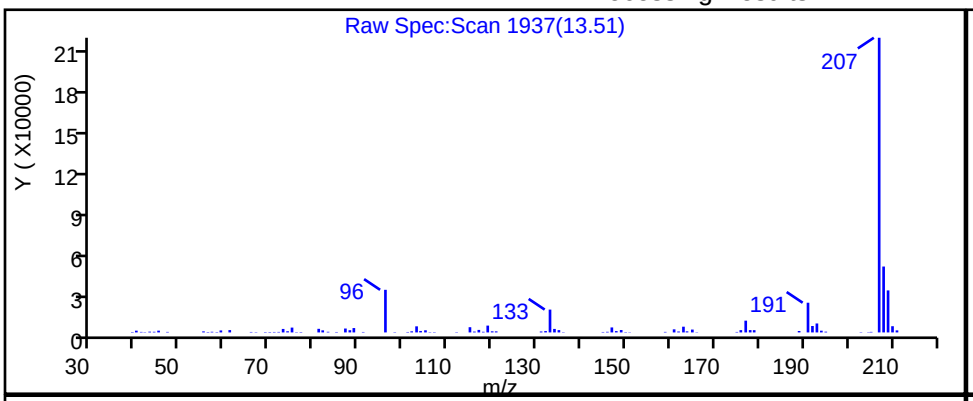
User Disabled Compound Report

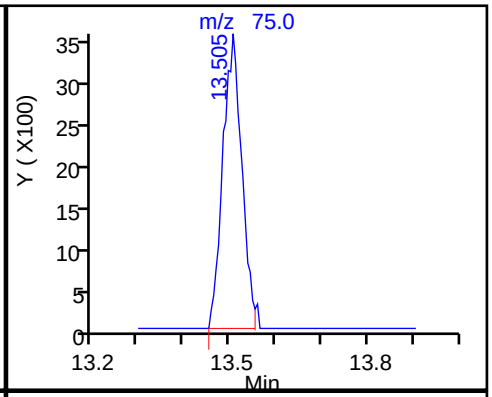
TestAmerica Burlington

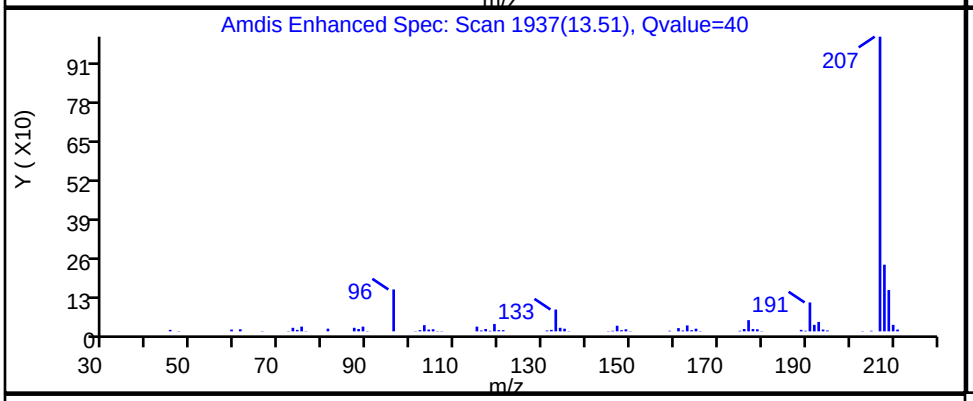
Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180418-30158.b\30158-06.D				
Injection Date:	18-Apr-2018 14:23:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-2	Lab Sample ID:	200-43091-2		
Client ID:	SV002				
Operator ID:	pad	ALS Bottle#:	6	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	4.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

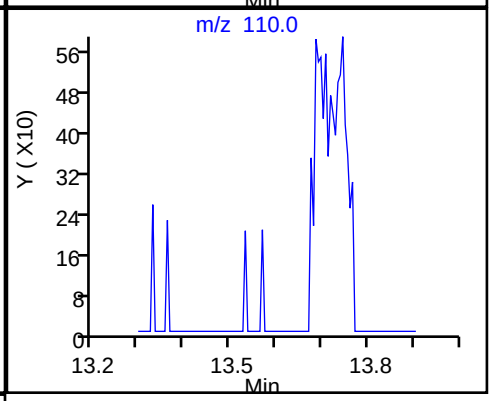
66 trans-1,3-Dichloropropene, CAS: 10061-02-6

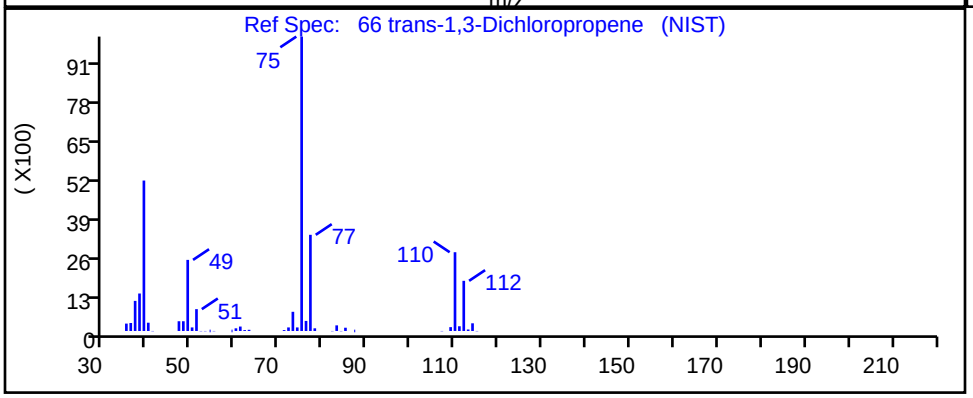
Processing Results











RT	Mass	Response	Amount
13.51	75.00	10161	0.119484
13.60	110.00	0	

Reviewer: puangmaleek, 19-Apr-2018 11:19:12

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

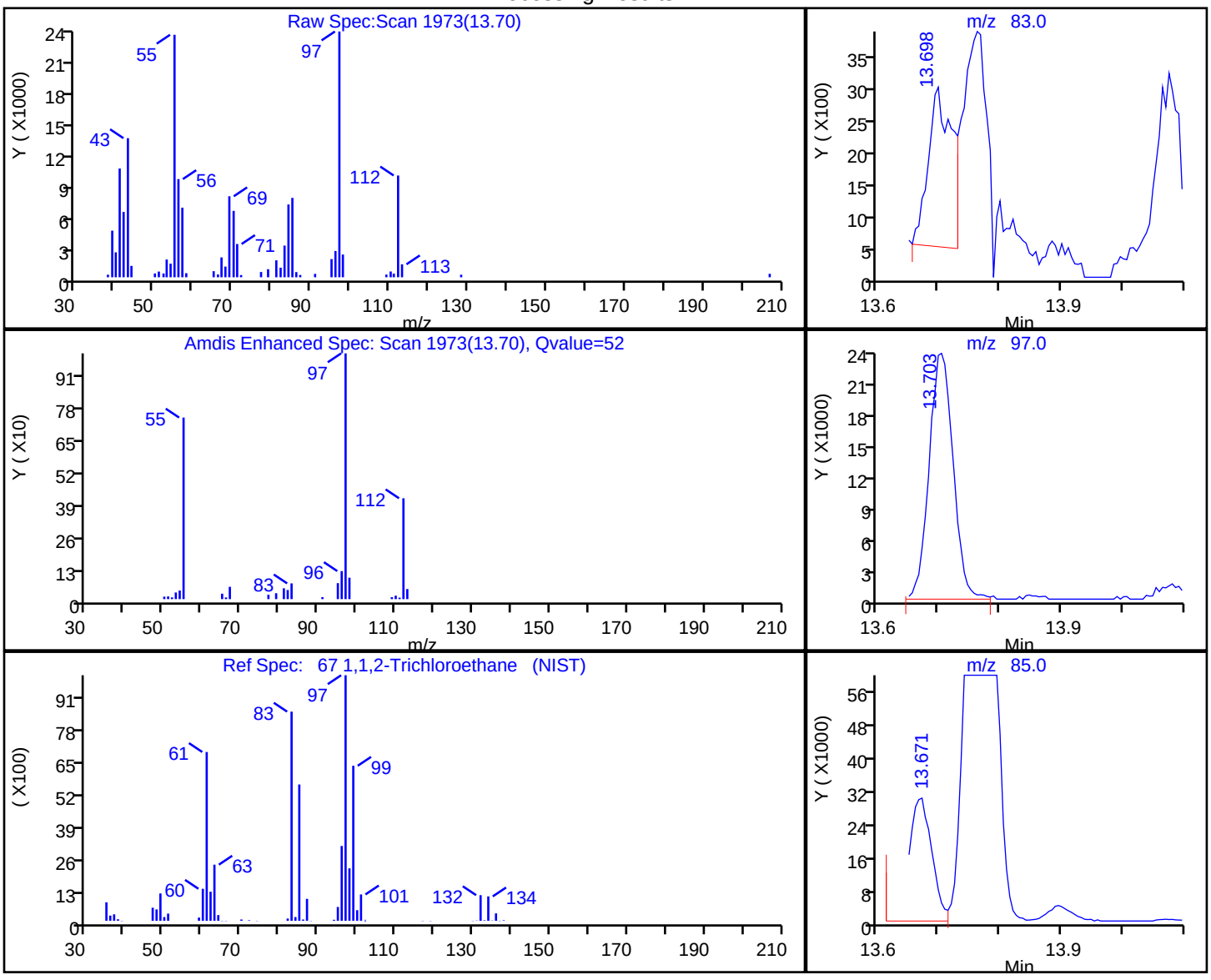
User Disabled Compound Report

TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180418-30158.b\30158-06.D				
Injection Date:	18-Apr-2018 14:23:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-2	Lab Sample ID:	200-43091-2		
Client ID:	SV002				
Operator ID:	pad	ALS Bottle#:	6	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	4.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

67 1,1,2-Trichloroethane, CAS: 79-00-5

Processing Results



RT	Mass	Response	Amount
13.70	83.00	6898	0.115465
13.70	97.00	64330	
13.67	85.00	78178	

Reviewer: puangmaleek, 19-Apr-2018 11:19:12

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

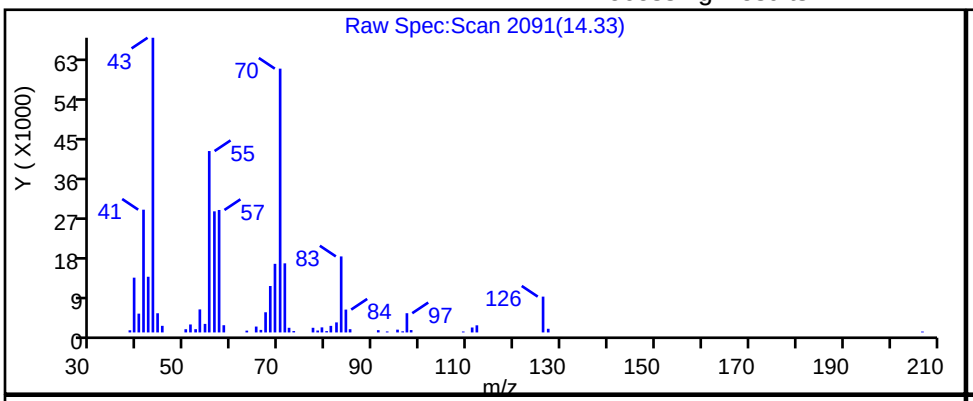
User Disabled Compound Report

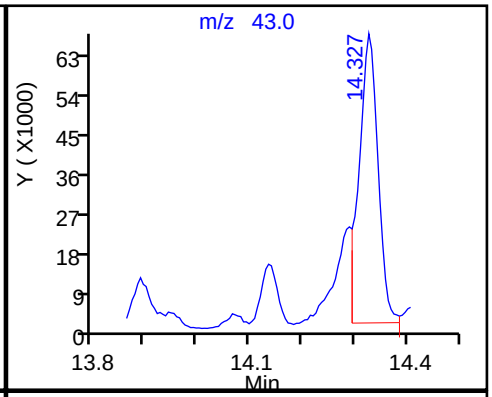
TestAmerica Burlington

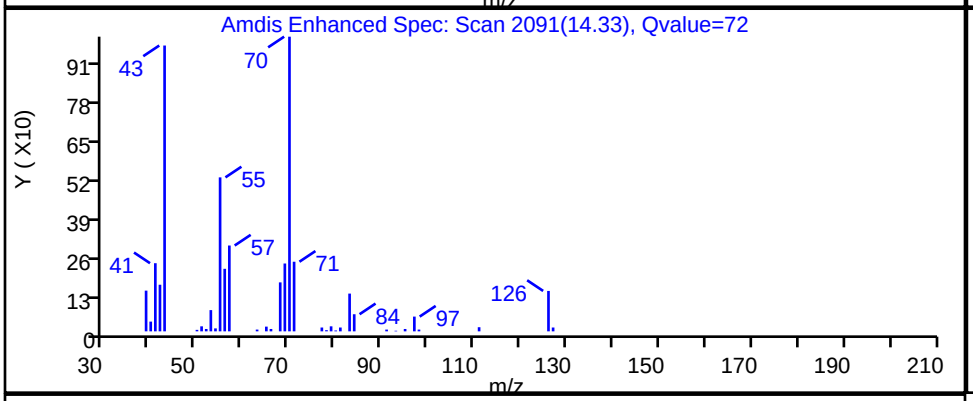
Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180418-30158.b\30158-06.D				
Injection Date:	18-Apr-2018 14:23:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-2	Lab Sample ID:	200-43091-2		
Client ID:	SV002				
Operator ID:	pad	ALS Bottle#:	6	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	4.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

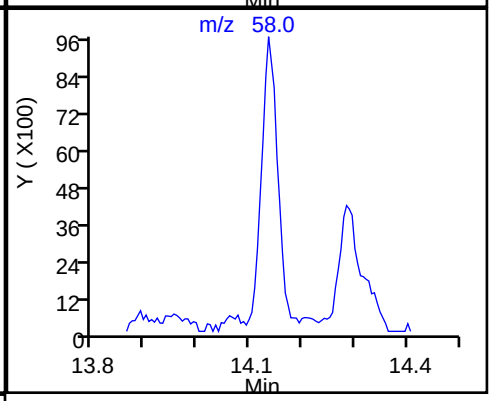
69 2-Hexanone, CAS: 591-78-6

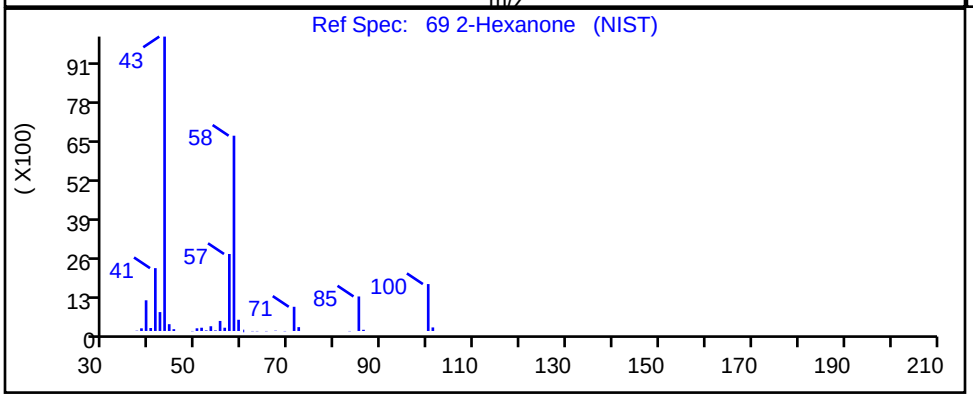
Processing Results











RT	Mass	Response	Amount
14.33	43.00	165793	1.626197
14.13	58.00	0	

Reviewer: puangmaleek, 19-Apr-2018 11:19:12

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

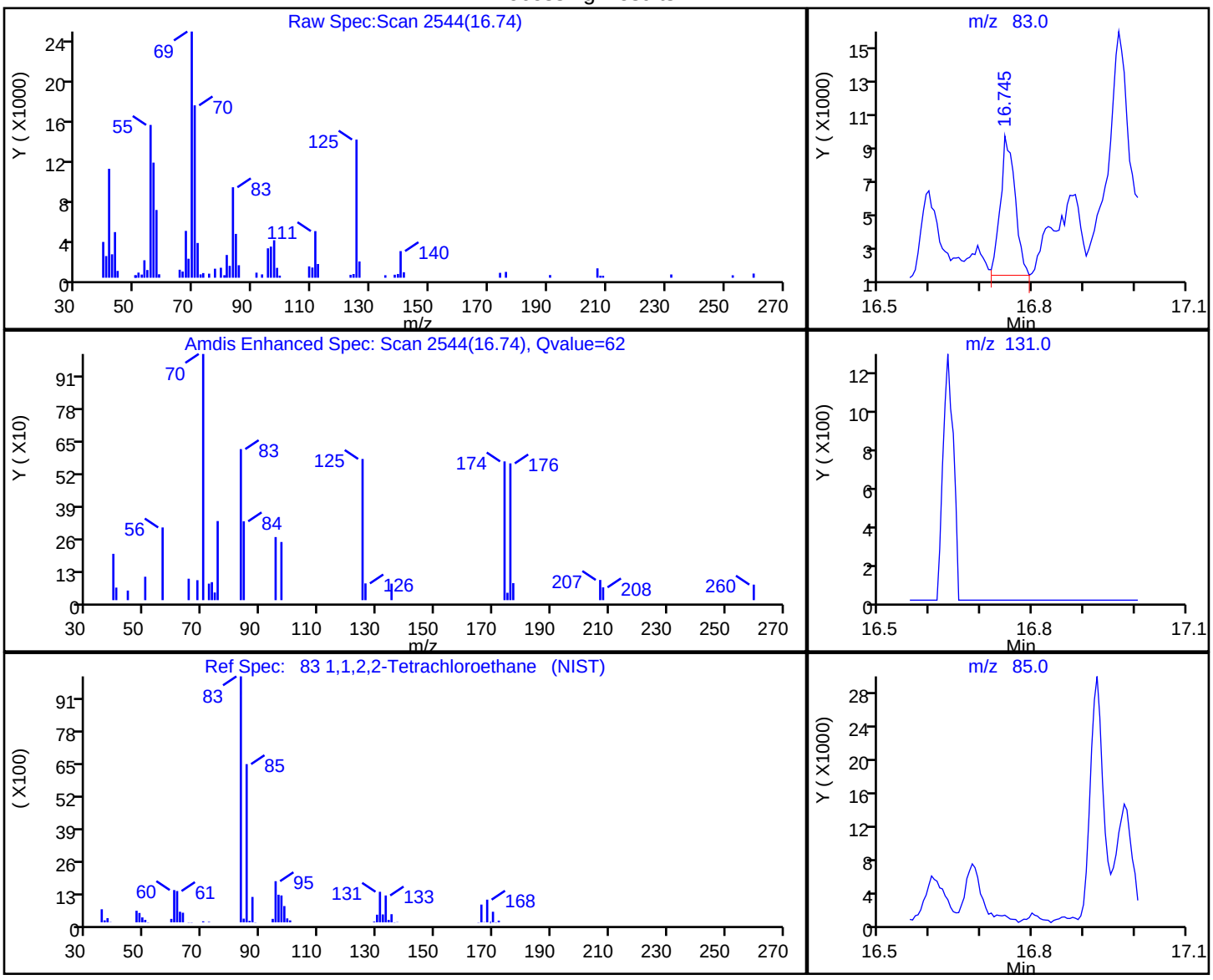
User Disabled Compound Report

TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180418-30158.b\30158-06.D				
Injection Date:	18-Apr-2018 14:23:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-2	Lab Sample ID:	200-43091-2		
Client ID:	SV002				
Operator ID:	pad	ALS Bottle#:	6	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	4.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

83 1,1,2,2-Tetrachloroethane, CAS: 79-34-5

Processing Results



RT	Mass	Response	Amount
16.74	83.00	15809	0.105763
16.78	131.00	0	
16.78	85.00	0	

Reviewer: puangmaleek, 19-Apr-2018 11:19:12

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

TestAmerica Burlington

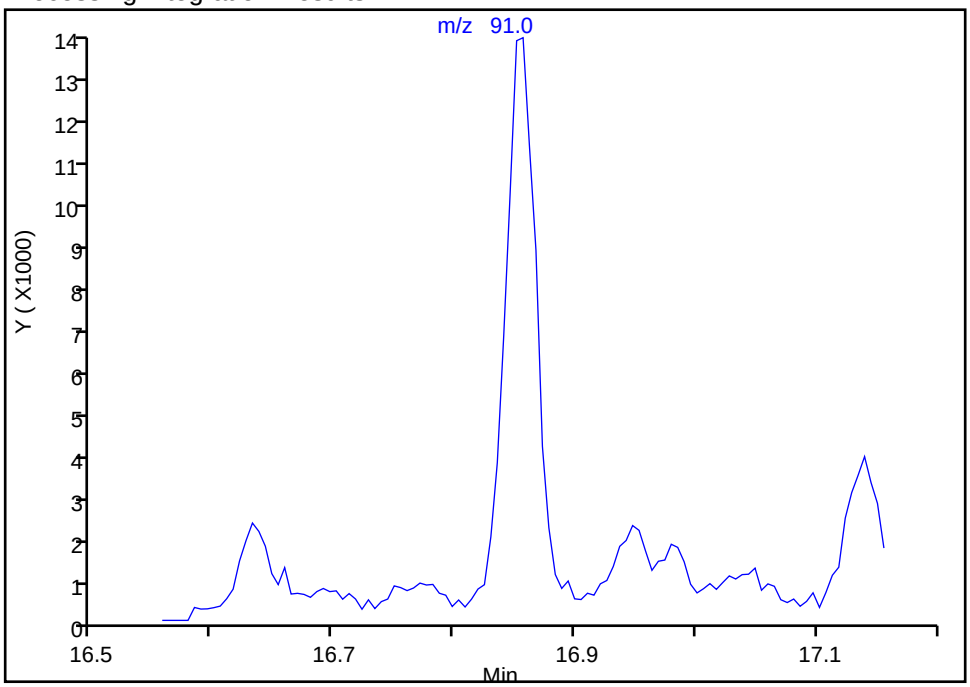
Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180418-30158.b\30158-06.D				
Injection Date:	18-Apr-2018 14:23:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-2	Lab Sample ID:	200-43091-2		
Client ID:	SV002				
Operator ID:	pad	ALS Bottle#:	6	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	4.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

84 N-Propylbenzene, CAS: 103-65-1

Signal: 1

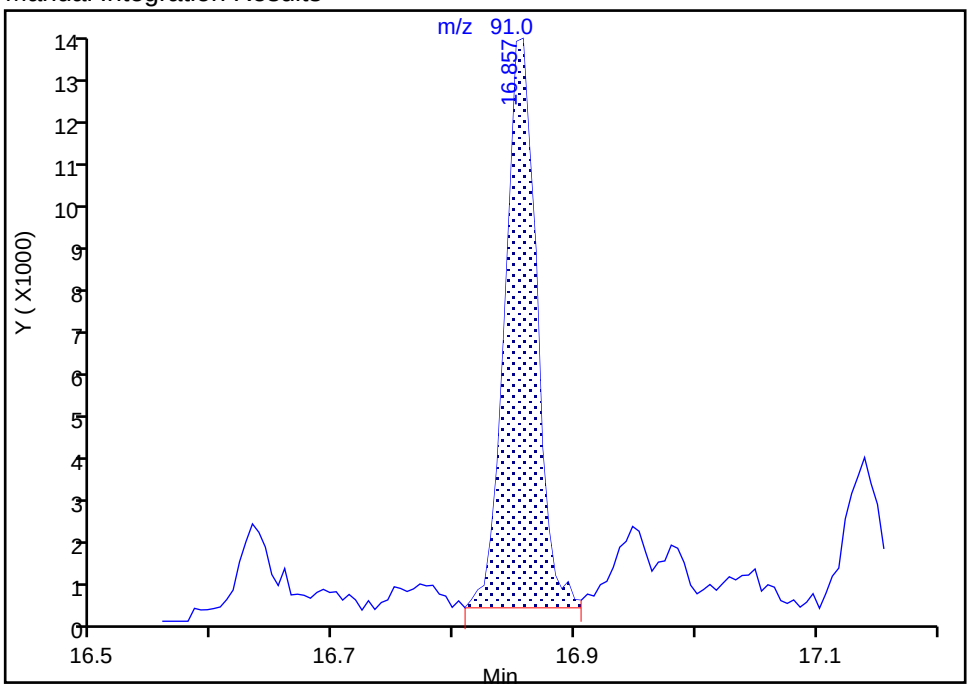
Not Detected
Expected RT: 16.86

Processing Integration Results



Manual Integration Results

RT: 16.86
Area: 24799
Amount: 0.076675
Amount Units: ppb v/v



Reviewer: puangmaleek, 19-Apr-2018 11:17:49
Audit Action: Assigned Compound ID Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

TestAmerica Burlington

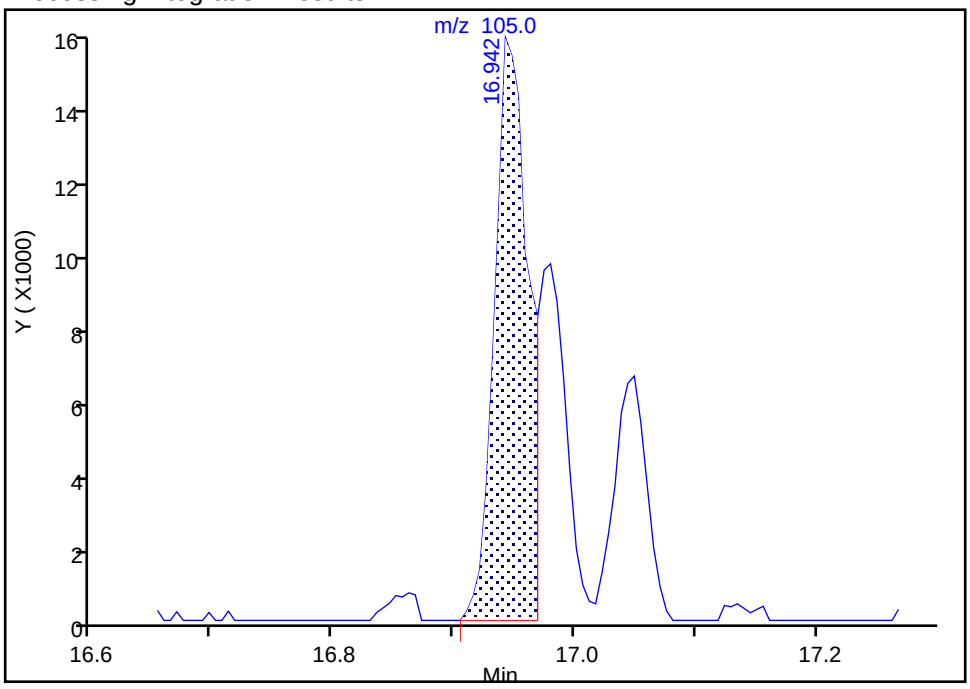
Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180418-30158.b\30158-06.D				
Injection Date:	18-Apr-2018 14:23:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-2	Lab Sample ID:	200-43091-2		
Client ID:	SV002				
Operator ID:	pad	ALS Bottle#:	6	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	4.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

87 4-Ethyltoluene, CAS: 622-96-8

Signal: 1

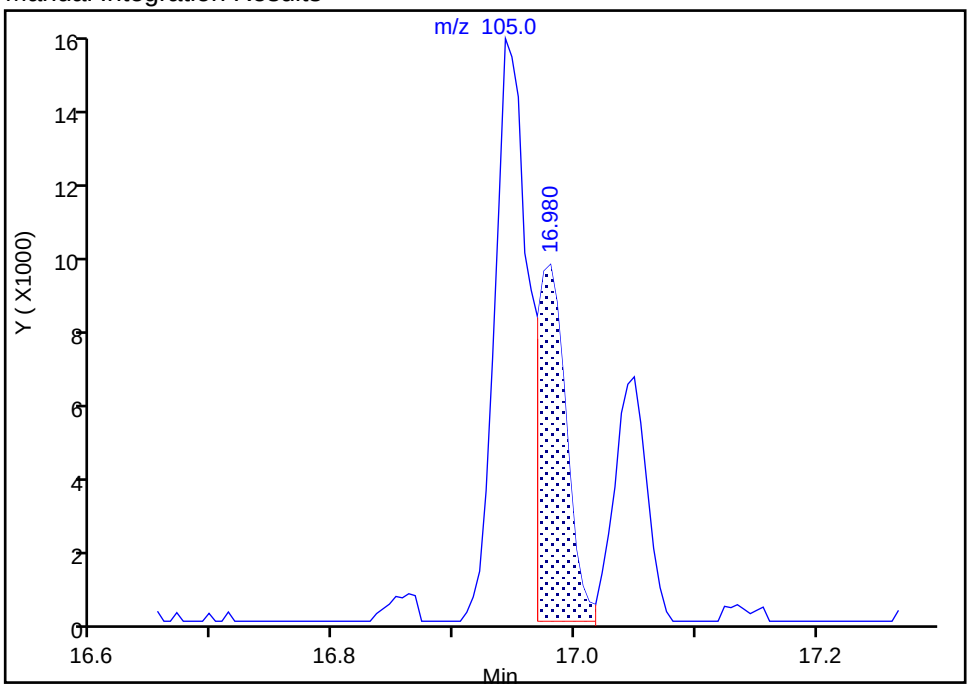
Processing Integration Results

RT: 16.94
Area: 30641
Amount: 0.115943
Amount Units: ppb v/v



Manual Integration Results

RT: 16.98
Area: 16047
Amount: 0.060721
Amount Units: ppb v/v



Reviewer: puangmaleek, 19-Apr-2018 11:17:58
Audit Action: Assigned Compound ID Audit Reason: Assign Peak

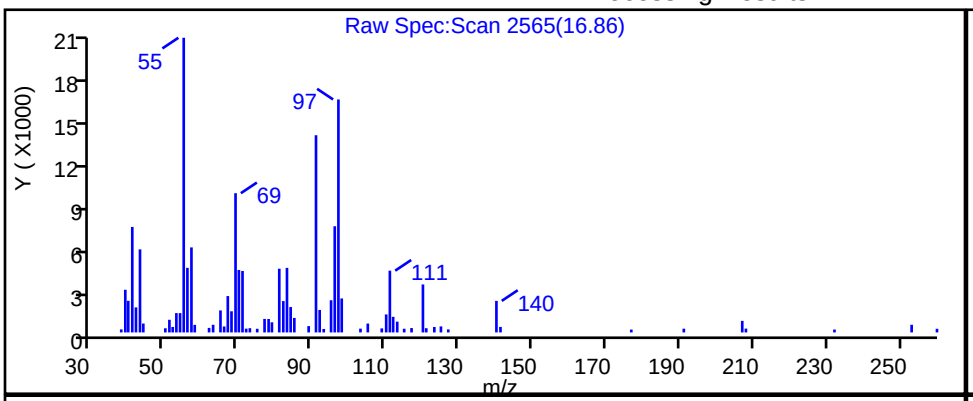
User Disabled Compound Report

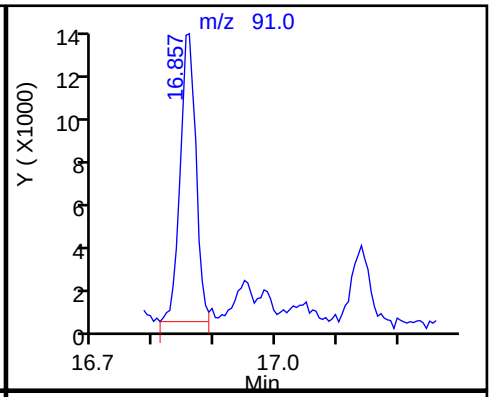
TestAmerica Burlington

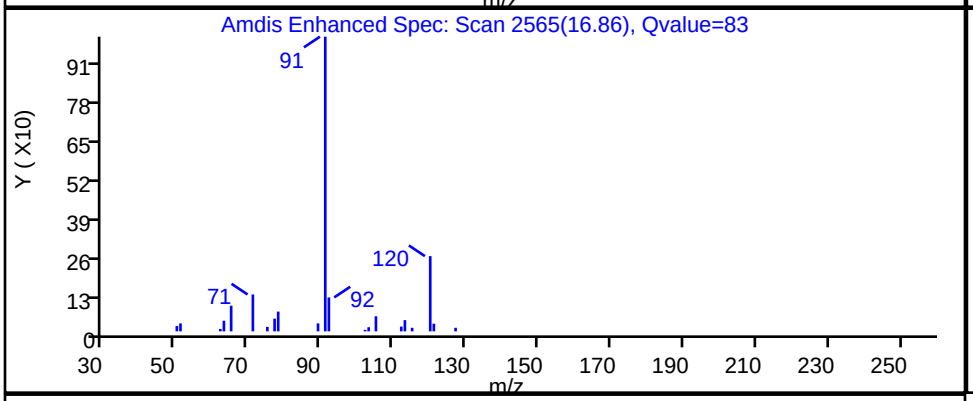
Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180418-30158.b\30158-06.D				
Injection Date:	18-Apr-2018 14:23:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-2	Lab Sample ID:	200-43091-2		
Client ID:	SV002				
Operator ID:	pad	ALS Bottle#:	6	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	4.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

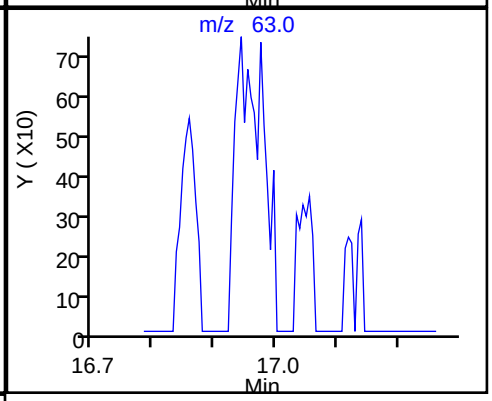
88 2-Chlorotoluene, CAS: 95-49-8

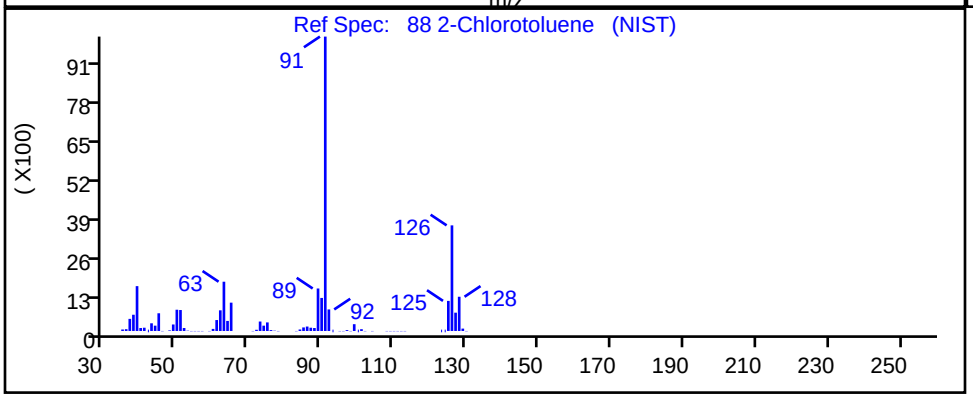
Processing Results











RT	Mass	Response	Amount
16.86	91.00	24478	0.111098
17.02	63.00	0	

Reviewer: puangmaleek, 19-Apr-2018 11:19:12

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

TestAmerica Burlington

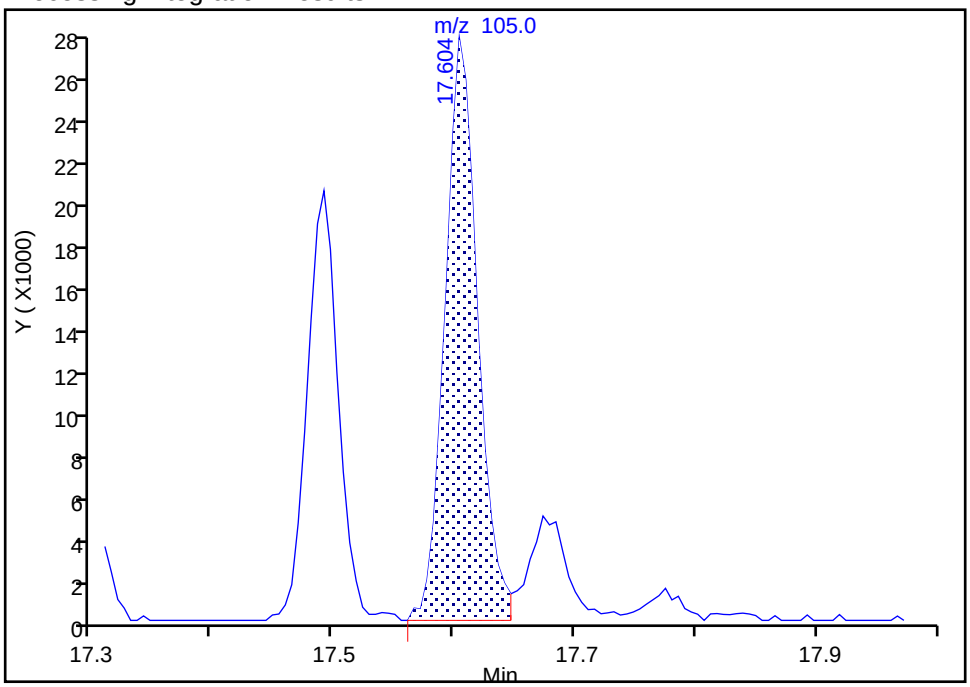
Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180418-30158.b\30158-06.D				
Injection Date:	18-Apr-2018 14:23:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-2	Lab Sample ID:	200-43091-2		
Client ID:	SV002				
Operator ID:	pad	ALS Bottle#:	6	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	4.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

93 sec-Butylbenzene, CAS: 135-98-8

Signal: 1

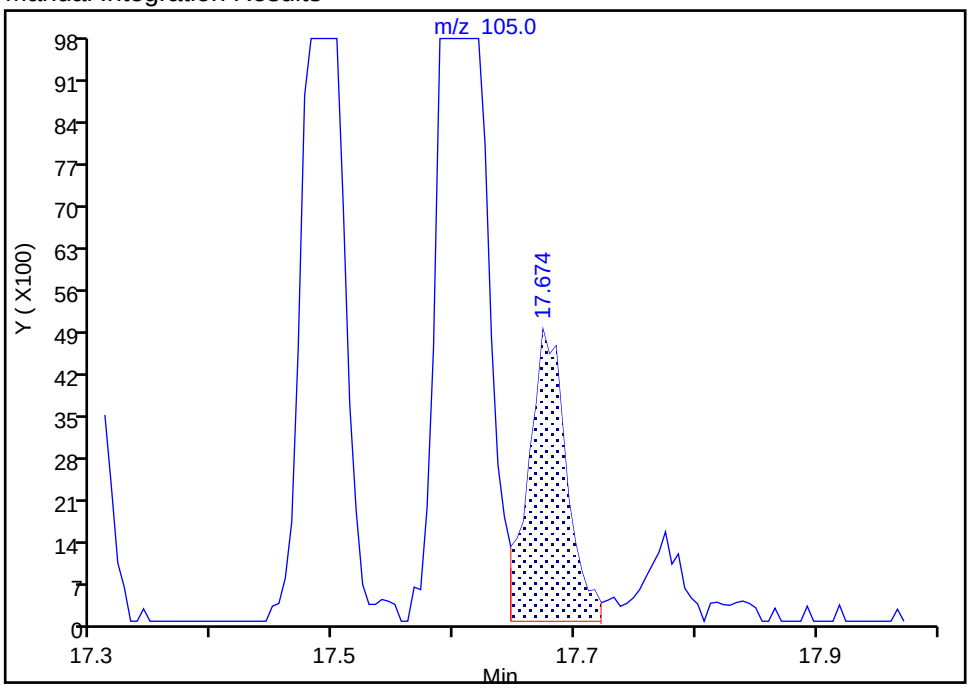
Processing Integration Results

RT: 17.60
Area: 51158
Amount: 0.158740
Amount Units: ppb v/v



Manual Integration Results

RT: 17.67
Area: 10769
Amount: 0.033415
Amount Units: ppb v/v



Reviewer: puangmaleek, 19-Apr-2018 11:18:35

Audit Action: Assigned Compound ID Audit Reason: Assign Peak

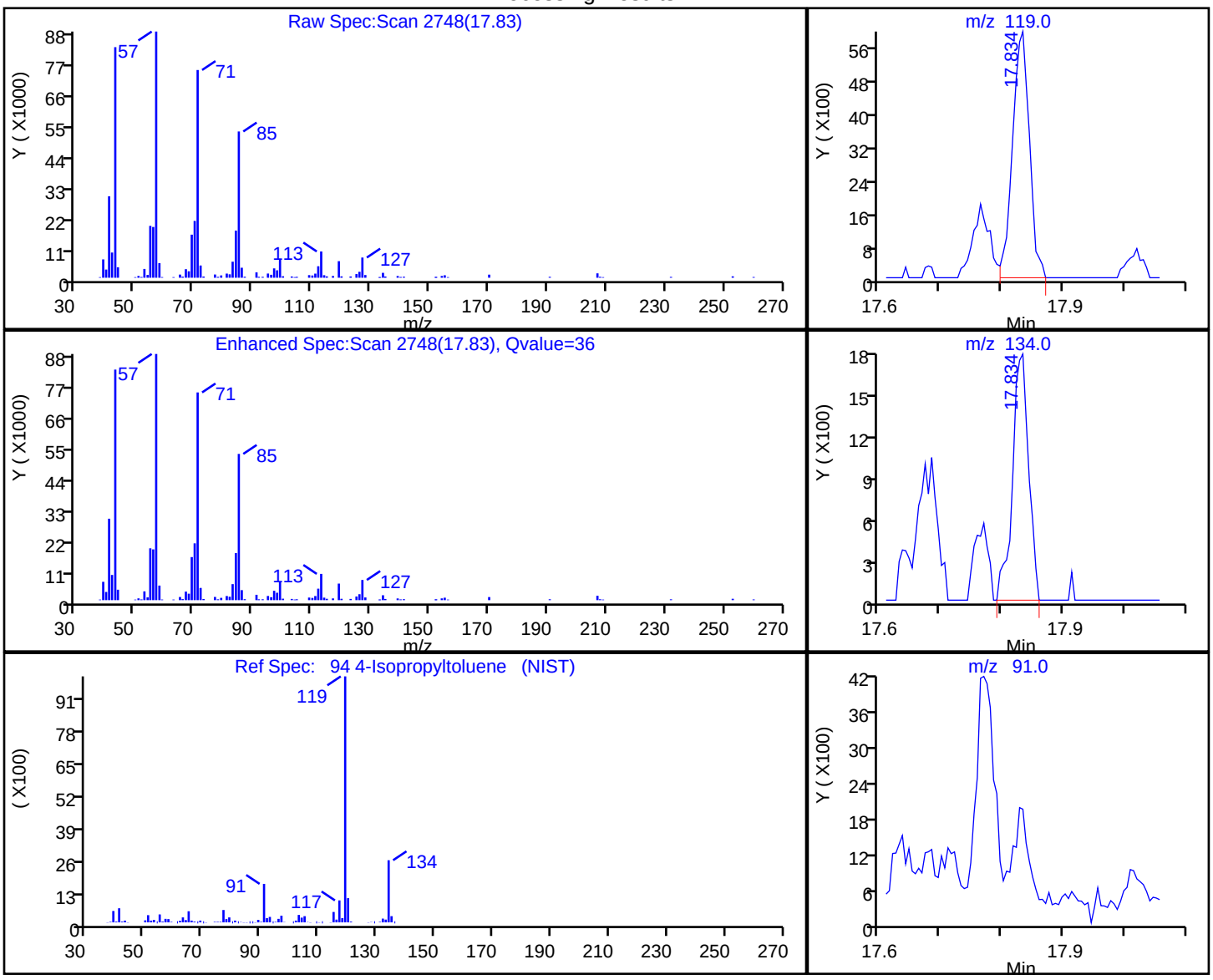
User Disabled Compound Report

TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180418-30158.b\30158-06.D				
Injection Date:	18-Apr-2018 14:23:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-2	Lab Sample ID:	200-43091-2		
Client ID:	SV002				
Operator ID:	pad	ALS Bottle#:	6	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	4.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

94 4-Isopropyltoluene, CAS: 99-87-6

Processing Results



RT	Mass	Response	Amount
17.83	119.00	11411	0.042653
17.83	134.00	3235	
17.83	91.00	0	

Reviewer: puangmaleek, 19-Apr-2018 11:19:12

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

TestAmerica Burlington

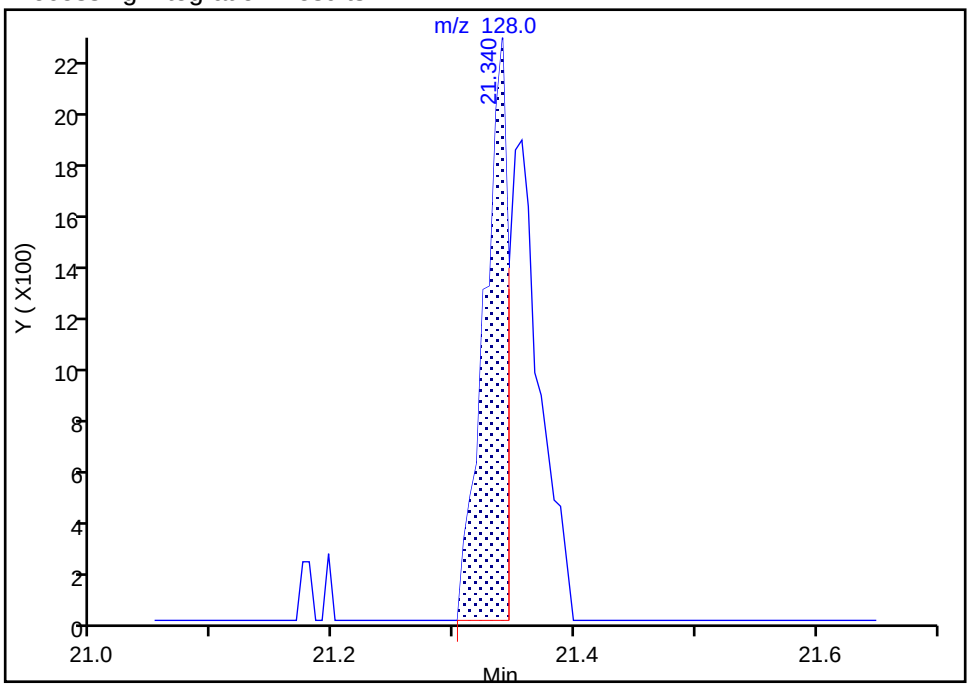
Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180418-30158.b\30158-06.D				
Injection Date:	18-Apr-2018 14:23:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-2	Lab Sample ID:	200-43091-2		
Client ID:	SV002				
Operator ID:	pad	ALS Bottle#:	6	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	4.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

105 Naphthalene, CAS: 91-20-3

Signal: 1

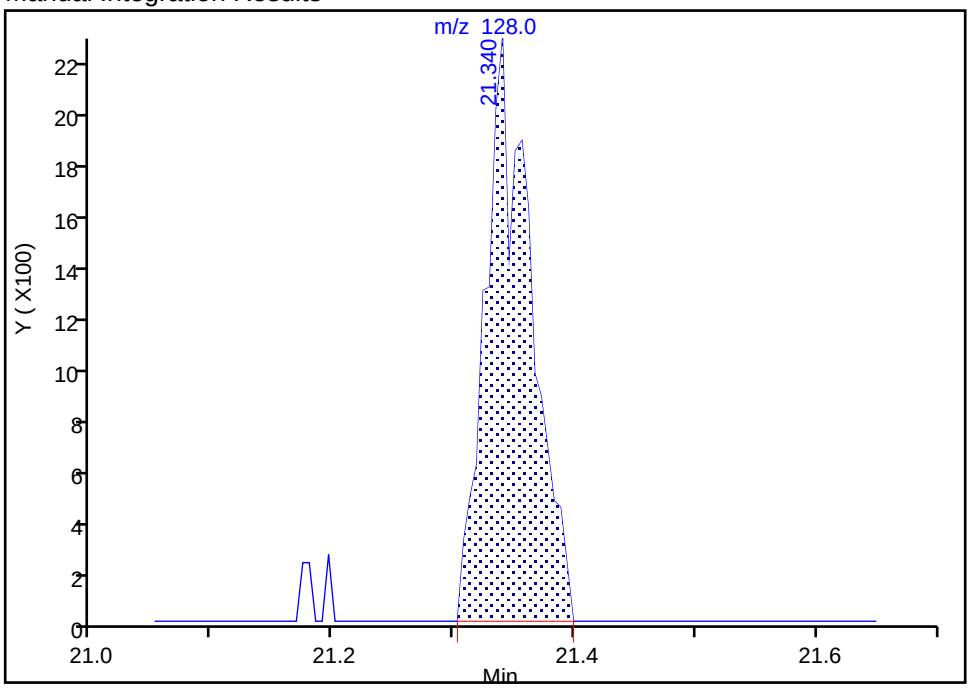
Processing Integration Results

RT: 21.34
Area: 3042
Amount: 0.010953
Amount Units: ppb v/v



Manual Integration Results

RT: 21.34
Area: 5872
Amount: 0.021142
Amount Units: ppb v/v



Reviewer: puangmaleek, 19-Apr-2018 11:14:25

Audit Action: Manually Integrated Audit Reason: Assign Peak

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-43091-1

SDG No.: 200-43091-1

Client Sample ID: SV003 | Lab Sample ID: 200-43091-3

Matrix: Air | Lab File ID: 30117-19.D

Analysis Method: TO-15 | Date Collected: 04/13/2018 11:50

Sample wt/vol: 200(mL) | Date Analyzed: 04/17/2018 01:39

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 128485 | Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	0.44	J	0.50	0.20
75-45-6	Chlorodifluoromethane	86.47	0.29	J	0.50	0.26
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.20	U	0.20	0.068
74-87-3	Chloromethane	50.49	0.58		0.50	0.25
106-97-8	n-Butane	58.12	1.5		0.50	0.31
75-01-4	Vinyl chloride	62.50	0.035	U	0.035	0.041
106-99-0	1,3-Butadiene	54.09	0.20	U	0.20	0.065
74-83-9	Bromomethane	94.94	0.20	U	0.20	0.062
75-00-3	Chloroethane	64.52	0.50	U	0.50	0.21
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.20	U	0.20	0.056
75-69-4	Trichlorofluoromethane	137.37	0.24		0.20	0.062
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	0.076	J	0.20	0.031
75-35-4	1,1-Dichloroethene	96.94	0.035	U	0.035	0.034
67-64-1	Acetone	58.08	17		5.0	2.6
67-63-0	Isopropyl alcohol	60.10	5.0	U	5.0	1.8
75-15-0	Carbon disulfide	76.14	0.50	U	0.50	0.12
107-05-1	3-Chloropropene	76.53	0.50	U	0.50	0.27
75-09-2	Methylene Chloride	84.93	1.5		0.50	0.20
75-65-0	tert-Butyl alcohol	74.12	8.9		5.0	1.5
1634-04-4	Methyl tert-butyl ether	88.15	0.20	U	0.20	0.061
156-60-5	trans-1,2-Dichloroethene	96.94	0.20	U	0.20	0.074
110-54-3	n-Hexane	86.17	0.48		0.20	0.16
75-34-3	1,1-Dichloroethane	98.96	0.20	U	0.20	0.026
78-93-3	Methyl Ethyl Ketone (2-Butanone)	72.11	3.1		0.50	0.20
156-59-2	cis-1,2-Dichloroethene	96.94	0.035	U	0.035	0.037
67-66-3	Chloroform	119.38	0.20	U	0.20	0.052
109-99-9	Tetrahydrofuran	72.11	5.0	U	5.0	2.6
71-55-6	1,1,1-Trichloroethane	133.41	0.20	U	0.20	0.068
110-82-7	Cyclohexane	84.16	2.8		0.20	0.063
56-23-5	Carbon tetrachloride	153.81	0.071		0.035	0.024
540-84-1	2,2,4-Trimethylpentane	114.23	0.20	U	0.20	0.088
71-43-2	Benzene	78.11	0.30		0.20	0.071
107-06-2	1,2-Dichloroethane	98.96	0.20	U	0.20	0.063

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-43091-1

SDG No.: 200-43091-1

Client Sample ID: SV003 Lab Sample ID: 200-43091-3

Matrix: Air Lab File ID: 30117-19.D

Analysis Method: TO-15 Date Collected: 04/13/2018 11:50

Sample wt/vol: 200(mL) Date Analyzed: 04/17/2018 01:39

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 128485 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
142-82-5	n-Heptane	100.21	0.33		0.20	0.14
79-01-6	Trichloroethene	131.39	0.035	U	0.035	0.030
80-62-6	Methyl methacrylate	100.12	0.50	U	0.50	0.22
78-87-5	1,2-Dichloropropane	112.99	0.20	U	0.20	0.12
123-91-1	1,4-Dioxane	88.11	5.0	U	5.0	1.3
75-27-4	Bromodichloromethane	163.83	0.20	U	0.20	0.094
10061-01-5	cis-1,3-Dichloropropene	110.97	0.20	U	0.20	0.098
108-10-1	4-Methyl-2-pentanone (Methyl isobutyl ketone)	100.16	0.50	U	0.50	0.36
108-88-3	Toluene	92.14	1.4		0.20	0.069
10061-02-6	trans-1,3-Dichloropropene	110.97	0.20	U	0.20	0.12
79-00-5	1,1,2-Trichloroethane	133.41	0.20	U	0.20	0.078
127-18-4	Tetrachloroethene	165.83	0.10	J	0.20	0.029
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.50	U	0.50	0.42
124-48-1	Dibromochloromethane	208.29	0.20	U	0.20	0.071
106-93-4	1,2-Dibromoethane	187.87	0.20	U	0.20	0.069
108-90-7	Chlorobenzene	112.56	0.20	U	0.20	0.040
100-41-4	Ethylbenzene	106.17	1.1		0.20	0.073
179601-23-1	m,p-Xylene	106.17	4.7		0.50	0.070
95-47-6	o-Xylene	106.17	1.8		0.20	0.071
100-42-5	Styrene	104.15	5.3		0.20	0.086
75-25-2	Bromoform	252.75	0.20	U	0.20	0.086
98-82-8	Cumene	120.19	0.22		0.20	0.059
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.20	U	0.20	0.076
103-65-1	n-Propylbenzene	120.19	0.13	J	0.20	0.069
622-96-8	4-Ethyltoluene	120.20	0.077	J	0.20	0.069
108-67-8	1,3,5-Trimethylbenzene	120.20	0.20	U	0.20	0.058
95-49-8	2-Chlorotoluene	126.59	0.20	U	0.20	0.071
98-06-6	tert-Butylbenzene	134.22	0.20	U	0.20	0.058
95-63-6	1,2,4-Trimethylbenzene	120.20	0.14	J	0.20	0.080
135-98-8	sec-Butylbenzene	134.22	0.20	U	0.20	0.066
99-87-6	4-Isopropyltoluene	134.22	0.20	U	0.20	0.075
541-73-1	1,3-Dichlorobenzene	147.00	0.20	U	0.20	0.082
106-46-7	1,4-Dichlorobenzene	147.00	0.20	U	0.20	0.065

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-43091-1

SDG No.: 200-43091-1

Client Sample ID: SV003 Lab Sample ID: 200-43091-3

Matrix: Air Lab File ID: 30117-19.D

Analysis Method: TO-15 Date Collected: 04/13/2018 11:50

Sample wt/vol: 200(mL) Date Analyzed: 04/17/2018 01:39

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 128485 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
100-44-7	Benzyl chloride	126.58	0.20	U	0.20	0.12
104-51-8	n-Butylbenzene	134.22	0.20	U	0.20	0.080
95-50-1	1,2-Dichlorobenzene	147.00	0.20	U	0.20	0.071
120-82-1	1,2,4-Trichlorobenzene	181.45	0.50	U	0.50	0.24
87-68-3	Hexachlorobutadiene	260.76	0.20	U	0.20	0.082
91-20-3	Naphthalene	128.17	0.50	U	0.50	0.31

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-43091-1

SDG No.: 200-43091-1

Client Sample ID: SV003 | Lab Sample ID: 200-43091-3

Matrix: Air | Lab File ID: 30117-19.D

Analysis Method: TO-15 | Date Collected: 04/13/2018 11:50

Sample wt/vol: 200(mL) | Date Analyzed: 04/17/2018 01:39

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 128485 | Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	2.2	J	2.5	0.99
75-45-6	Chlorodifluoromethane	86.47	1.0	J	1.8	0.92
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.4	U	1.4	0.48
74-87-3	Chloromethane	50.49	1.2		1.0	0.52
106-97-8	n-Butane	58.12	3.6		1.2	0.74
75-01-4	Vinyl chloride	62.50	0.089	U	0.089	0.10
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44	0.14
74-83-9	Bromomethane	94.94	0.78	U	0.78	0.24
75-00-3	Chloroethane	64.52	1.3	U	1.3	0.55
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.87	U	0.87	0.24
75-69-4	Trichlorofluoromethane	137.37	1.4		1.1	0.35
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	0.58	J	1.5	0.24
75-35-4	1,1-Dichloroethene	96.94	0.14	U	0.14	0.13
67-64-1	Acetone	58.08	40		12	6.2
67-63-0	Isopropyl alcohol	60.10	12	U	12	4.4
75-15-0	Carbon disulfide	76.14	1.6	U	1.6	0.37
107-05-1	3-Chloropropene	76.53	1.6	U	1.6	0.85
75-09-2	Methylene Chloride	84.93	5.0		1.7	0.69
75-65-0	tert-Butyl alcohol	74.12	27		15	4.5
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72	0.22
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79	0.29
110-54-3	n-Hexane	86.17	1.7		0.70	0.56
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81	0.11
78-93-3	Methyl Ethyl Ketone (2-Butanone)	72.11	9.0		1.5	0.59
156-59-2	cis-1,2-Dichloroethene	96.94	0.14	U	0.14	0.15
67-66-3	Chloroform	119.38	0.98	U	0.98	0.25
109-99-9	Tetrahydrofuran	72.11	15	U	15	7.7
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1	0.37
110-82-7	Cyclohexane	84.16	9.5		0.69	0.22
56-23-5	Carbon tetrachloride	153.81	0.45		0.22	0.15
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93	0.41
71-43-2	Benzene	78.11	0.95		0.64	0.23
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81	0.25

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-43091-1

SDG No.: 200-43091-1

Client Sample ID: SV003 | Lab Sample ID: 200-43091-3

Matrix: Air | Lab File ID: 30117-19.D

Analysis Method: TO-15 | Date Collected: 04/13/2018 11:50

Sample wt/vol: 200(mL) | Date Analyzed: 04/17/2018 01:39

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 128485 | Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
142-82-5	n-Heptane	100.21	1.4		0.82	0.57
79-01-6	Trichloroethene	131.39	0.19	U	0.19	0.16
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0	0.90
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92	0.55
123-91-1	1,4-Dioxane	88.11	18	U	18	4.7
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3	0.63
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91	0.44
108-10-1	4-Methyl-2-pentanone (Methyl isobutyl ketone)	100.16	2.0	U	2.0	1.5
108-88-3	Toluene	92.14	5.4		0.75	0.26
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91	0.54
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1	0.43
127-18-4	Tetrachloroethene	165.83	0.69	J	1.4	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0	1.7
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7	0.60
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5	0.53
108-90-7	Chlorobenzene	112.56	0.92	U	0.92	0.18
100-41-4	Ethylbenzene	106.17	4.9		0.87	0.32
179601-23-1	m,p-Xylene	106.17	20		2.2	0.30
95-47-6	o-Xylene	106.17	7.9		0.87	0.31
100-42-5	Styrene	104.15	23		0.85	0.37
75-25-2	Bromoform	252.75	2.1	U	2.1	0.89
98-82-8	Cumene	120.19	1.1		0.98	0.29
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4	0.52
103-65-1	n-Propylbenzene	120.19	0.65	J	0.98	0.34
622-96-8	4-Ethyltoluene	120.20	0.38	J	0.98	0.34
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98	0.29
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0	0.37
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1	0.32
95-63-6	1,2,4-Trimethylbenzene	120.20	0.68	J	0.98	0.39
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1	0.36
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1	0.41
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2	0.49
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2	0.39

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-43091-1

SDG No.: 200-43091-1

Client Sample ID: SV003 Lab Sample ID: 200-43091-3

Matrix: Air Lab File ID: 30117-19.D

Analysis Method: TO-15 Date Collected: 04/13/2018 11:50

Sample wt/vol: 200(mL) Date Analyzed: 04/17/2018 01:39

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 128485 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
100-44-7	Benzyl chloride	126.58	1.0	U	1.0	0.62
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1	0.44
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2	0.43
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7	1.8
87-68-3	Hexachlorobutadiene	260.76	2.1	U	2.1	0.87
91-20-3	Naphthalene	128.17	2.6	U	2.6	1.6

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-19.D
Lims ID: 200-43091-A-3
Client ID: SV003
Sample Type: Client
Inject. Date: 17-Apr-2018 01:39:30 ALS Bottle#: 19 Worklist Smp#: 19
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0030117-019
Operator ID: pad Instrument ID: CHB.i

Method: \\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\TO15_LLNJ_TO3.m
Limit Group: AI_TO15_ICAL
Last Update: 17-Apr-2018 15:22:06 Calib Date: 06-Apr-2018 10:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHB.i\20180405-29969.b\29969-21.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK005

First Level Reviewer: phamvu Date: 17-Apr-2018 15:16:17

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	3.188	3.188	0.000	98	42209	0.4415	
3 Chlorodifluoromethane	51	3.220	3.220	0.000	97	14649	0.2897	
4 1,2-Dichloro-1,1,2,2-tetra	85		3.407				ND	U
5 Chloromethane	50	3.529	3.527	0.000	98	19985	0.5837	
6 Butane	43	3.706	3.706	0.000	92	82719	1.52	
7 Vinyl chloride	62		3.738				ND	
8 Butadiene	54		3.807				ND	U
10 Bromomethane	94		4.463				ND	
11 Chloroethane	64		4.693				ND	
13 Vinyl bromide	106		5.104				ND	
14 Trichlorofluoromethane	101	5.205	5.205	0.000	98	28218	0.2439	
19 1,1,2-Trichloro-1,2,2-trif	101	6.235	6.235	0.000	86	7794	0.0760	
20 1,1-Dichloroethene	96		6.299				ND	
21 Acetone	43	6.443	6.440	0.000	94	962453	16.9	
22 Isopropyl alcohol	45	6.668	6.664	0.000	99	121067	1.69	
23 Carbon disulfide	76		6.732				ND	
24 3-Chloro-1-propene	41	7.062	7.042	0.064	44	12257	0.2264	
27 Methylene Chloride	49	7.260	7.251	0.005	86	75676	1.45	
28 2-Methyl-2-propanol	59	7.361	7.363	-0.006	93	842073	8.86	
29 Methyl tert-butyl ether	73		7.607				ND	
30 trans-1,2-Dichloroethene	61		7.671				ND	
32 Hexane	57	8.002	8.002	0.000	93	41740	0.4808	
33 1,1-Dichloroethane	63		8.407				ND	
36 2-Butanone (MEK)	72	9.299	9.288	0.006	97	88422	3.05	
37 cis-1,2-Dichloroethene	96		9.315				ND	
* 39 Chlorobromomethane	128	9.678	9.683	-0.005	83	475837	10.0	
38 Tetrahydrofuran	42	9.699	9.688	0.011	92	16158	0.3063	
40 Chloroform	83		9.752				ND	
S 41 1,2-Dichloroethene, Total	61		10.000				ND	
42 1,1,1-Trichloroethane	97		10.014				ND	
43 Cyclohexane	84	10.030	10.030	0.000	96	215901	2.76	
44 Carbon tetrachloride	117	10.217	10.222	-0.005	95	7350	0.0710	

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
	45 Isooctane	57		10.505				ND	
	46 Benzene	78	10.542	10.542	0.000	96	51826	0.2958	
	47 1,2-Dichloroethane	62		10.644				ND	
	48 n-Heptane	43	10.756	10.756	0.000	88	31316	0.3305	
*	50 1,4-Difluorobenzene	114	11.081	11.087	-0.006	94	2139232	10.0	
	53 Trichloroethene	95	11.460	11.455	0.005	68	1663	0.0207	
	54 1,2-Dichloropropane	63		11.823				ND	
	55 Methyl methacrylate	69		11.860				ND	U
	56 1,4-Dioxane	88		11.951				ND	
	58 Dichlorobromomethane	83		12.181				ND	
	60 cis-1,3-Dichloropropene	75		12.810				ND	
	61 4-Methyl-2-pentanone (MIBK	43		12.954				ND	
	64 Toluene	92	13.243	13.243	0.000	94	180414	1.44	
	66 trans-1,3-Dichloropropene	75		13.600				ND	U
	67 1,1,2-Trichloroethane	83		13.872				ND	U
	68 Tetrachloroethene	166	14.022	14.022	0.006	96	11193	0.1011	
	69 2-Hexanone	43		14.134				ND	U
	70 Chlorodibromomethane	129		14.427				ND	U
	71 Ethylene Dibromide	107		14.636				ND	
*	72 Chlorobenzene-d5	117	15.196	15.196	0.000	86	1833986	10.0	
	73 Chlorobenzene	112	15.260	15.239	0.021	35	6390	0.0391	
	74 Ethylbenzene	91	15.303	15.303	0.000	97	292889	1.13	
	76 m-Xylene & p-Xylene	106	15.447	15.452	-0.005	0	481124	4.67	
	78 o-Xylene	106	15.964	15.965	0.000	97	193676	1.82	
	79 Styrene	104	15.986	15.986	0.000	97	865637	5.30	
S	77 Xylenes, Total	106				0		6.48	
	80 Bromoform	173		16.279				ND	
	81 Isopropylbenzene	105	16.375	16.375	0.000	93	60834	0.2170	
	83 1,1,2,2-Tetrachloroethane	83	16.877	16.781	0.096	62	11605	0.0729	
	84 N-Propylbenzene	91	16.856	16.856	0.000	99	45381	0.1318	
	87 4-Ethyltoluene	105	16.978	16.978	0.000	43	21739	0.0772	a
	88 2-Chlorotoluene	91		17.021				ND	U
	89 1,3,5-Trimethylbenzene	105	17.048	17.048	0.000	69	12025	0.0516	
	91 tert-Butylbenzene	119		17.421				ND	
	92 1,2,4-Trimethylbenzene	105	17.491	17.491	0.000	96	32013	0.1379	
	93 sec-Butylbenzene	105		17.678				ND	U
	94 4-Isopropyltoluene	119		17.832				ND	
	95 1,3-Dichlorobenzene	146	17.907	17.913	-0.005	45	6228	0.0358	
	96 1,4-Dichlorobenzene	146		18.019				ND	U
	97 Benzyl chloride	91		18.169				ND	
	99 n-Butylbenzene	91		18.339				ND	
	100 1,2-Dichlorobenzene	146		18.505				ND	
	103 1,2,4-Trichlorobenzene	180		20.858				ND	
	104 Hexachlorobutadiene	225		21.029				ND	
	105 Naphthalene	128		21.339				ND	

QC Flag Legend

Review Flags

U - Marked Undetected

a - User Assigned ID

Reagents:

ATTO15BISs_00006	Amount Added:	20.00	Units: mL	Run Reagent

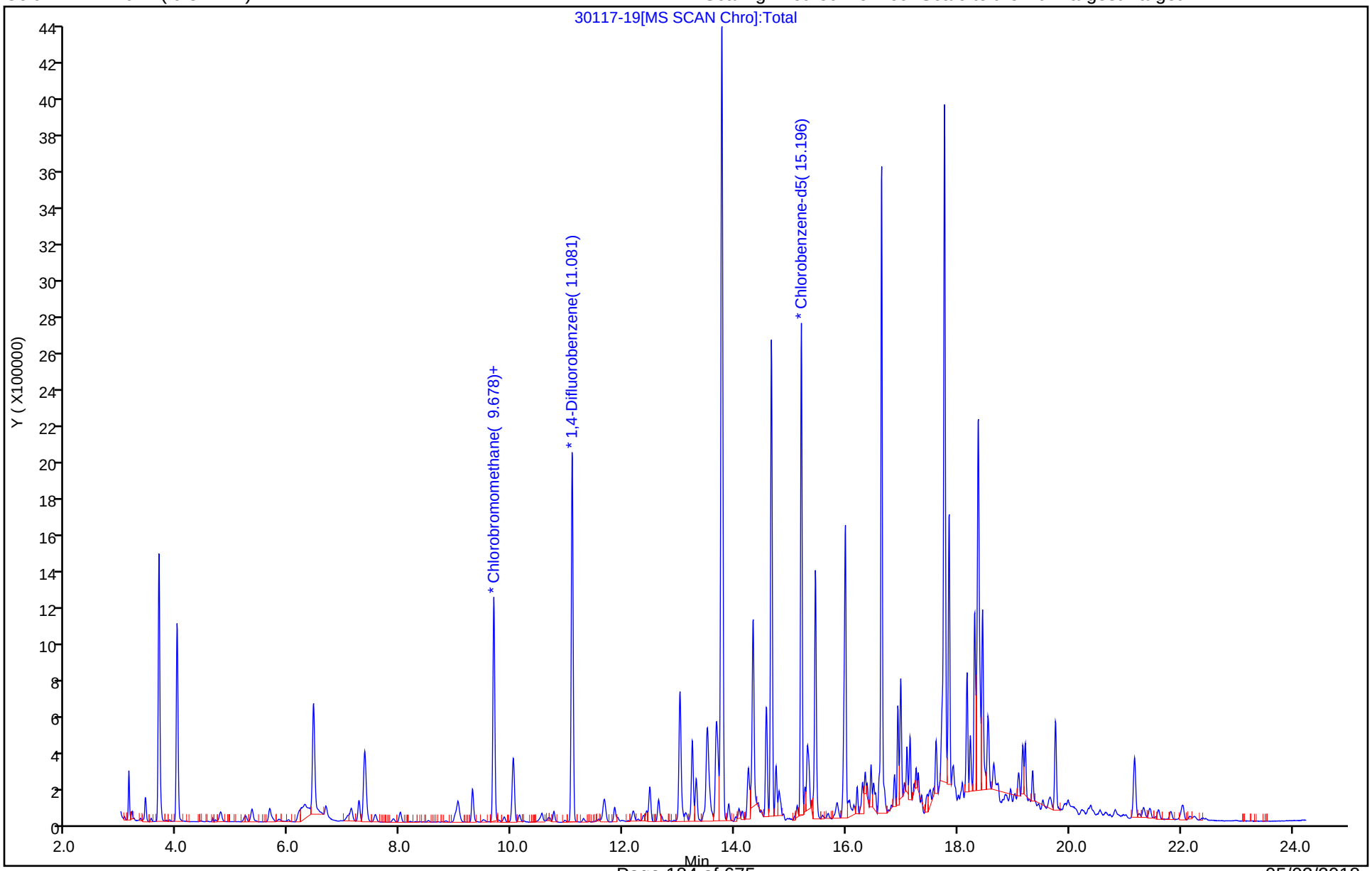
Report Date: 17-Apr-2018 15:25:18 Chrom Revision: 2.2 13-Mar-2018 08:45:20

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-19.D

Injection Date:	17-Apr-2018 01:39:30	Instrument ID:	CHB.i	Operator ID:	pad
Lims ID:	200-43091-A-3	Lab Sample ID:	200-43091-3	Worklist Smp#:	19
Client ID:	SV003				
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	19
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



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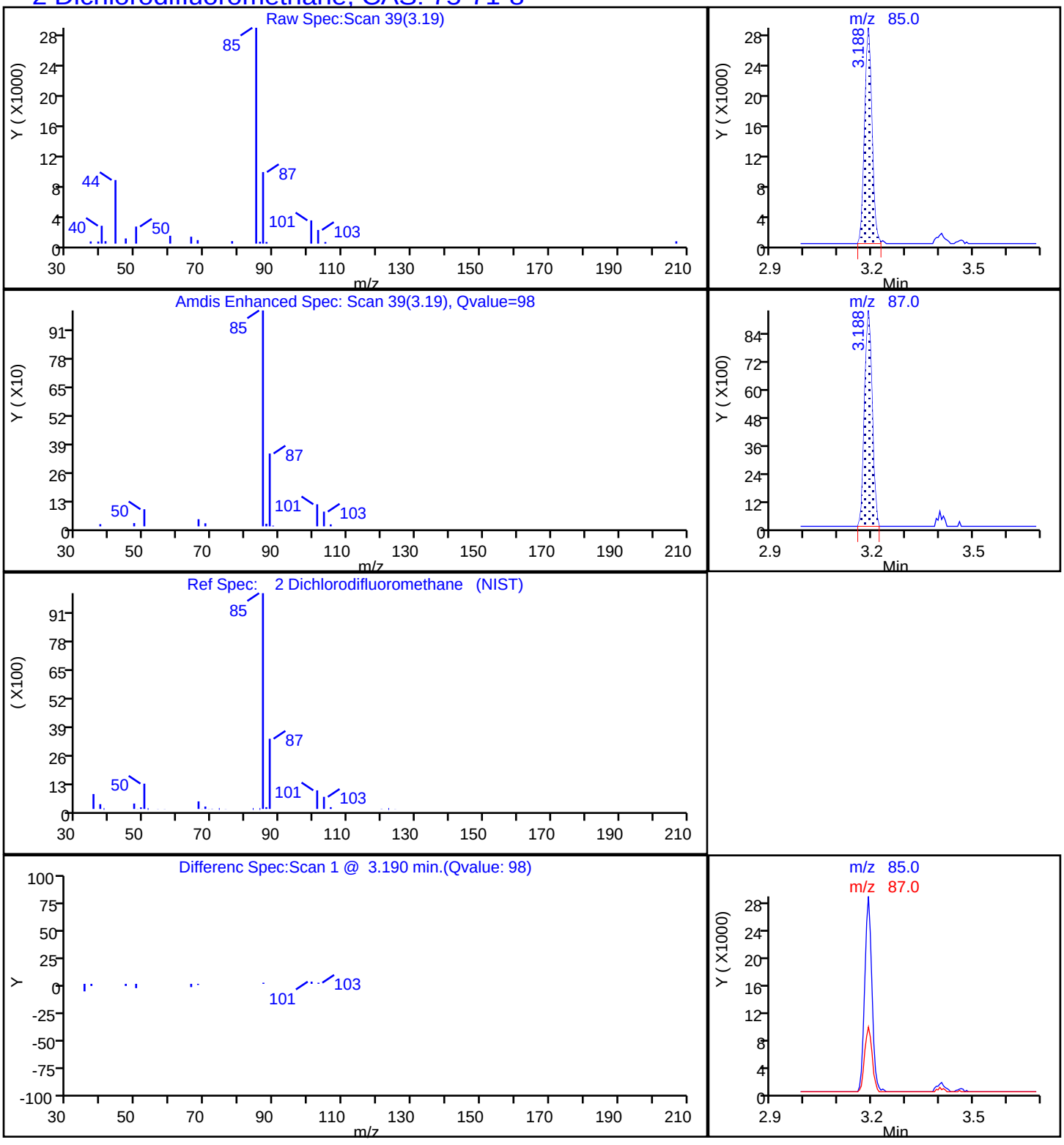
Injection Date: 17-Apr-2018 01:39:30 Instrument ID: CHB.i
Lims ID: 200-43091-A-3 Lab Sample ID: 200-43091-3
Client ID: SV003
Operator ID: pad ALS Bottle#: 19 Worklist Smp#: 19
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3 Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

2 Dichlorodifluoromethane, CAS: 75-71-8

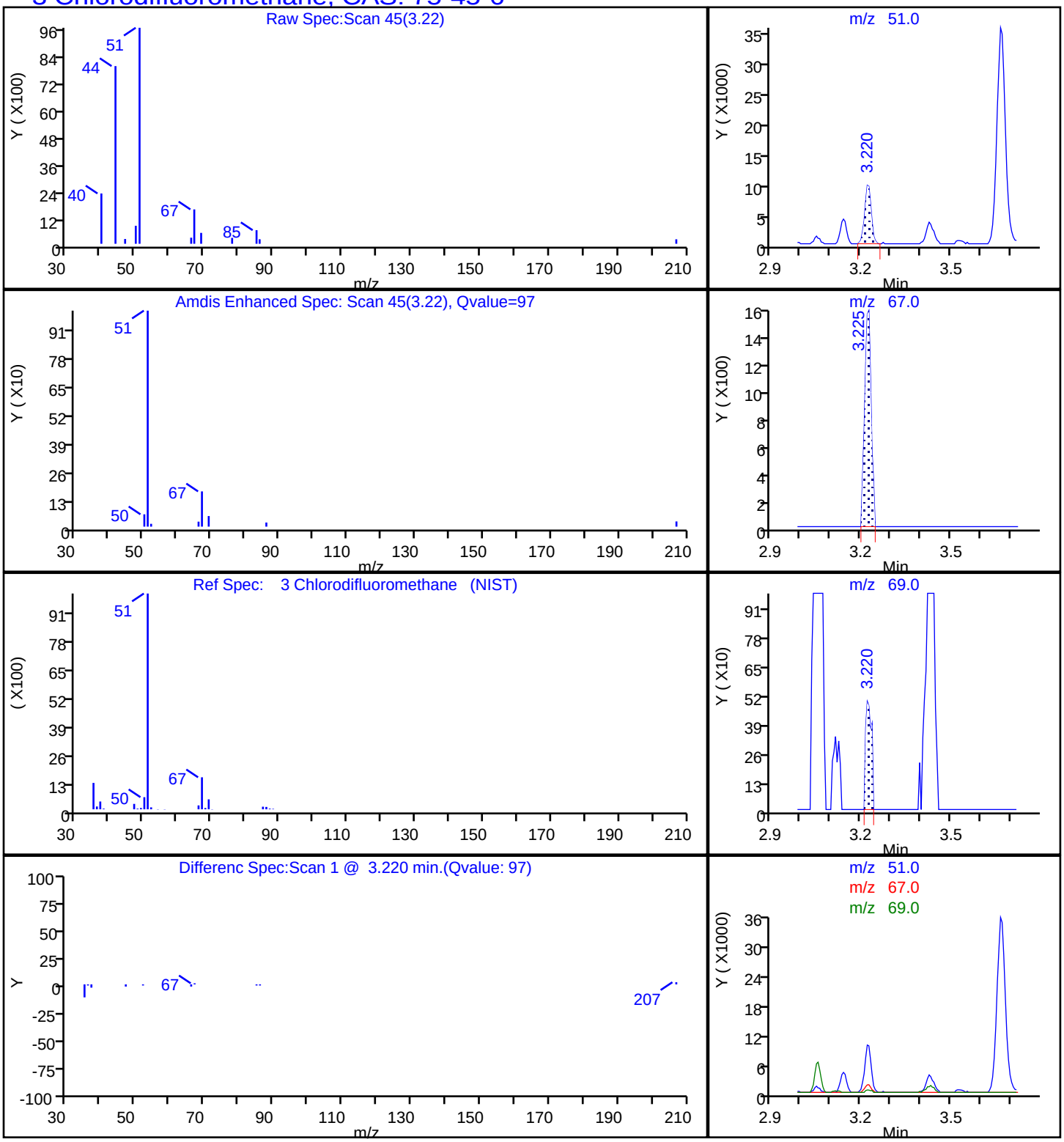


TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-19.D

Injection Date:	17-Apr-2018 01:39:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-3	Lab Sample ID:	200-43091-3		
Client ID:	SV003				
Operator ID:	pad	ALS Bottle#:	19	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

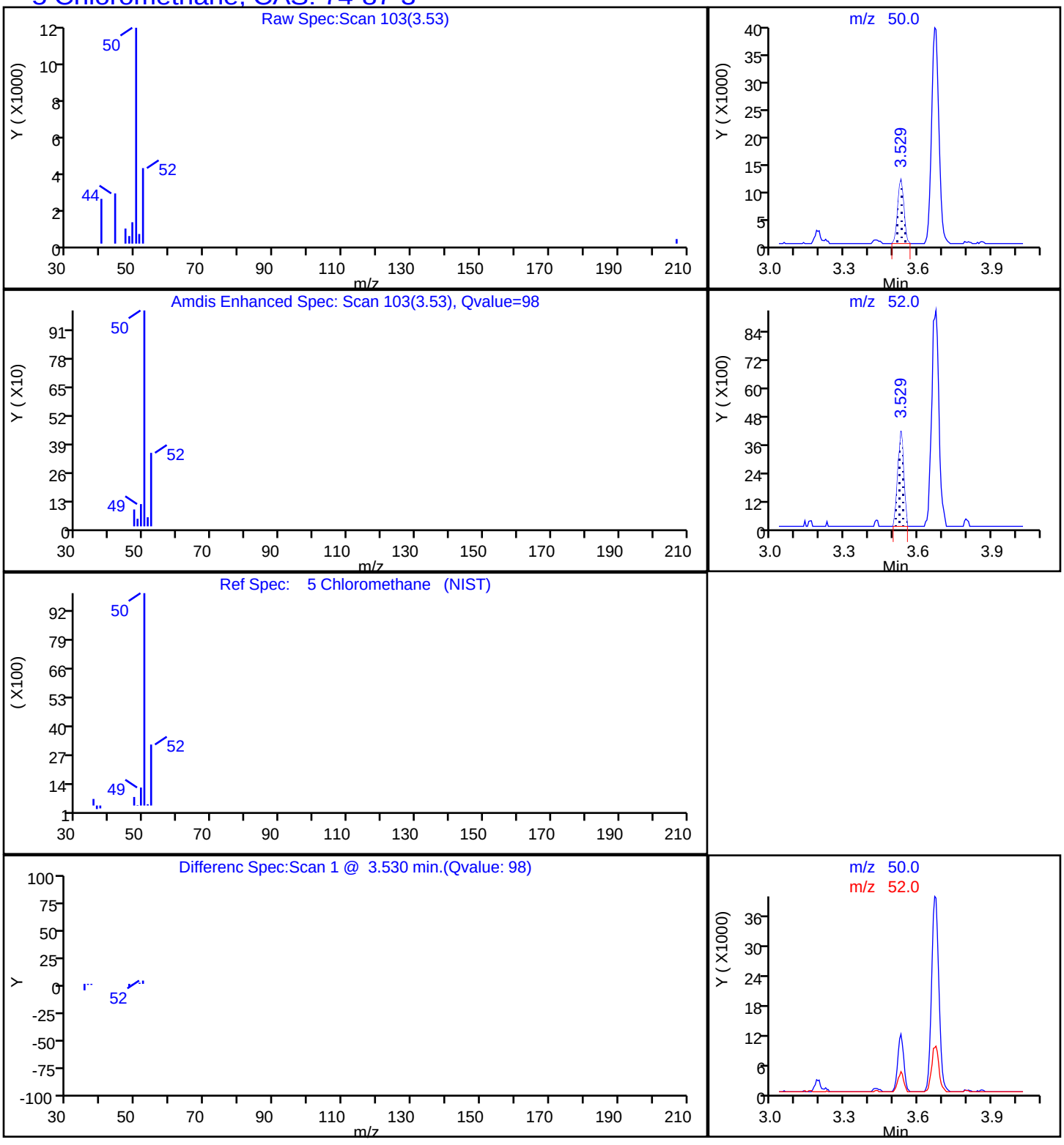
3 Chlorodifluoromethane, CAS: 75-45-6



TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-19.D				
Injection Date:	17-Apr-2018 01:39:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-3	Lab Sample ID:	200-43091-3		
Client ID:	SV003				
Operator ID:	pad	ALS Bottle#:	19	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

5 Chloromethane, CAS: 74-87-3



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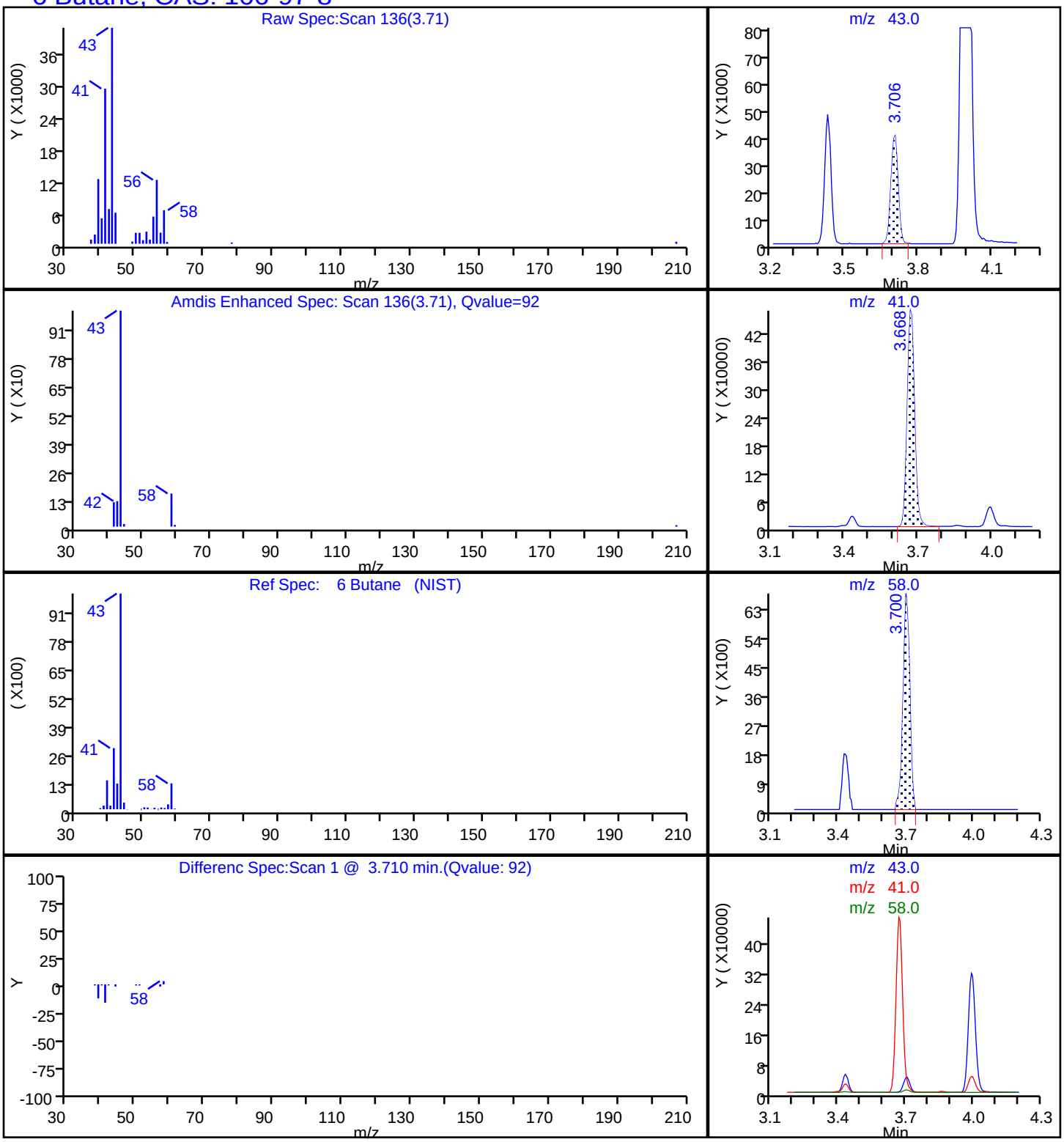
Injection Date: 17-Apr-2018 01:39:30 Instrument ID: CHB.i
Lims ID: 200-43091-A-3 Lab Sample ID: 200-43091-3
Client ID: SV003
Operator ID: pad ALS Bottle#: 19 Worklist Smp#: 19
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3 Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

6 Butane, CAS: 106-97-8



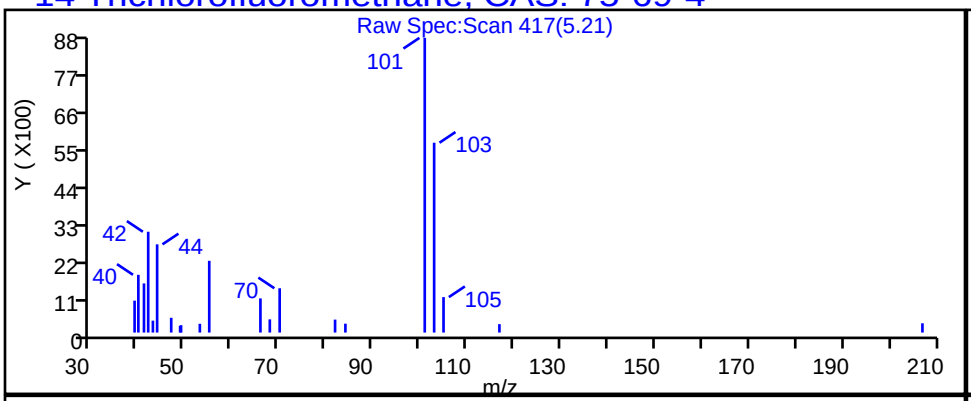
Report Date: 17-Apr-2018 15:25:19 Chrom Revision: 2.2 13-Mar-2018 08:45:20

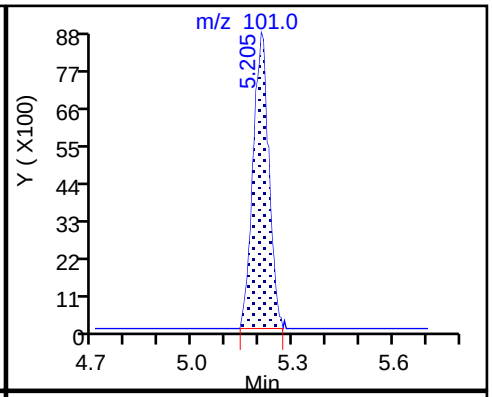
TestAmerica Burlington

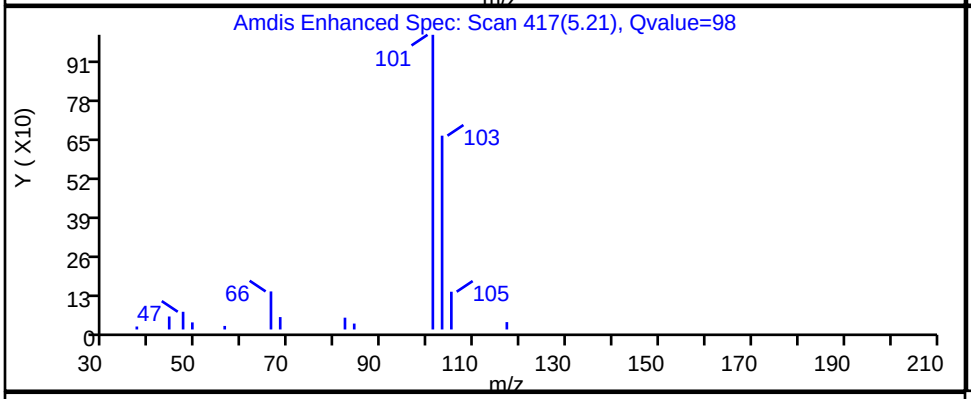
Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-19.D

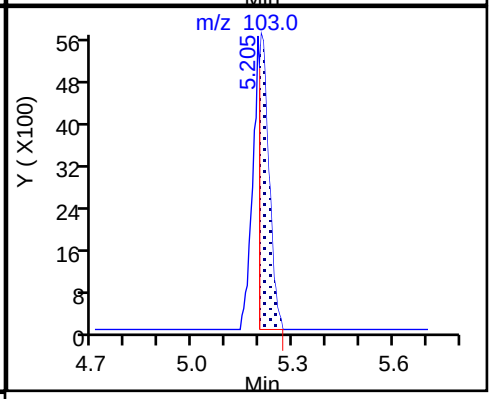
Injection Date:	17-Apr-2018 01:39:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-3	Lab Sample ID:	200-43091-3		
Client ID:	SV003				
Operator ID:	pad	ALS Bottle#:	19	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

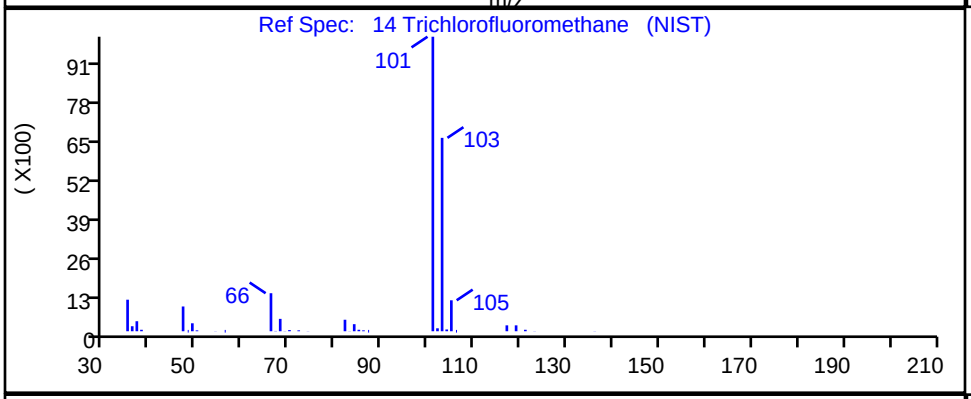
14 Trichlorofluoromethane, CAS: 75-69-4

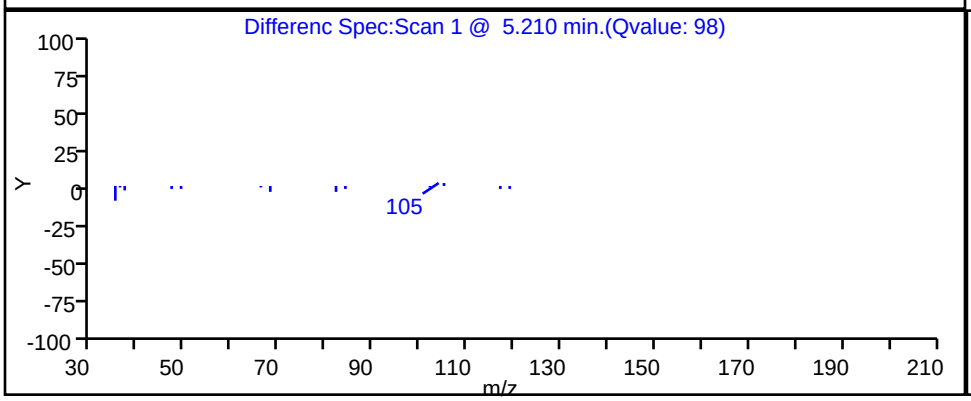


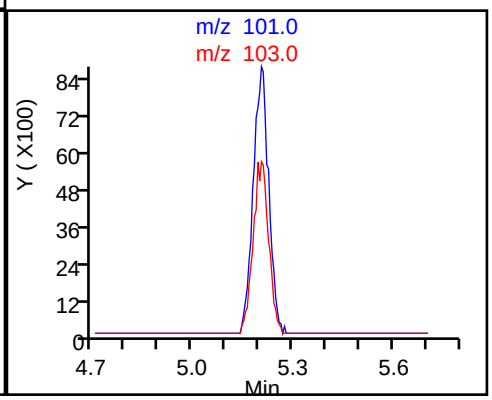










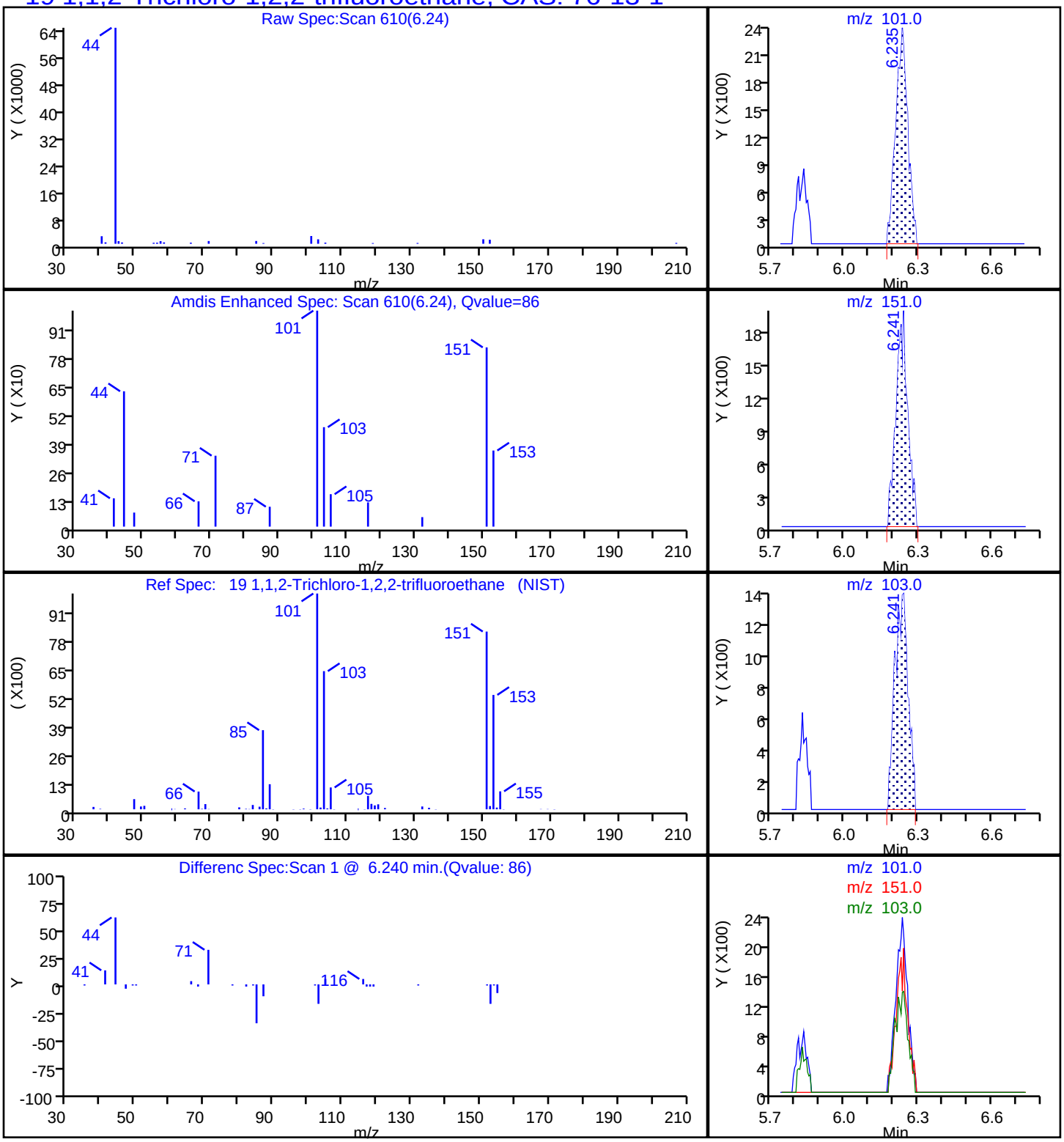


TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-19.D

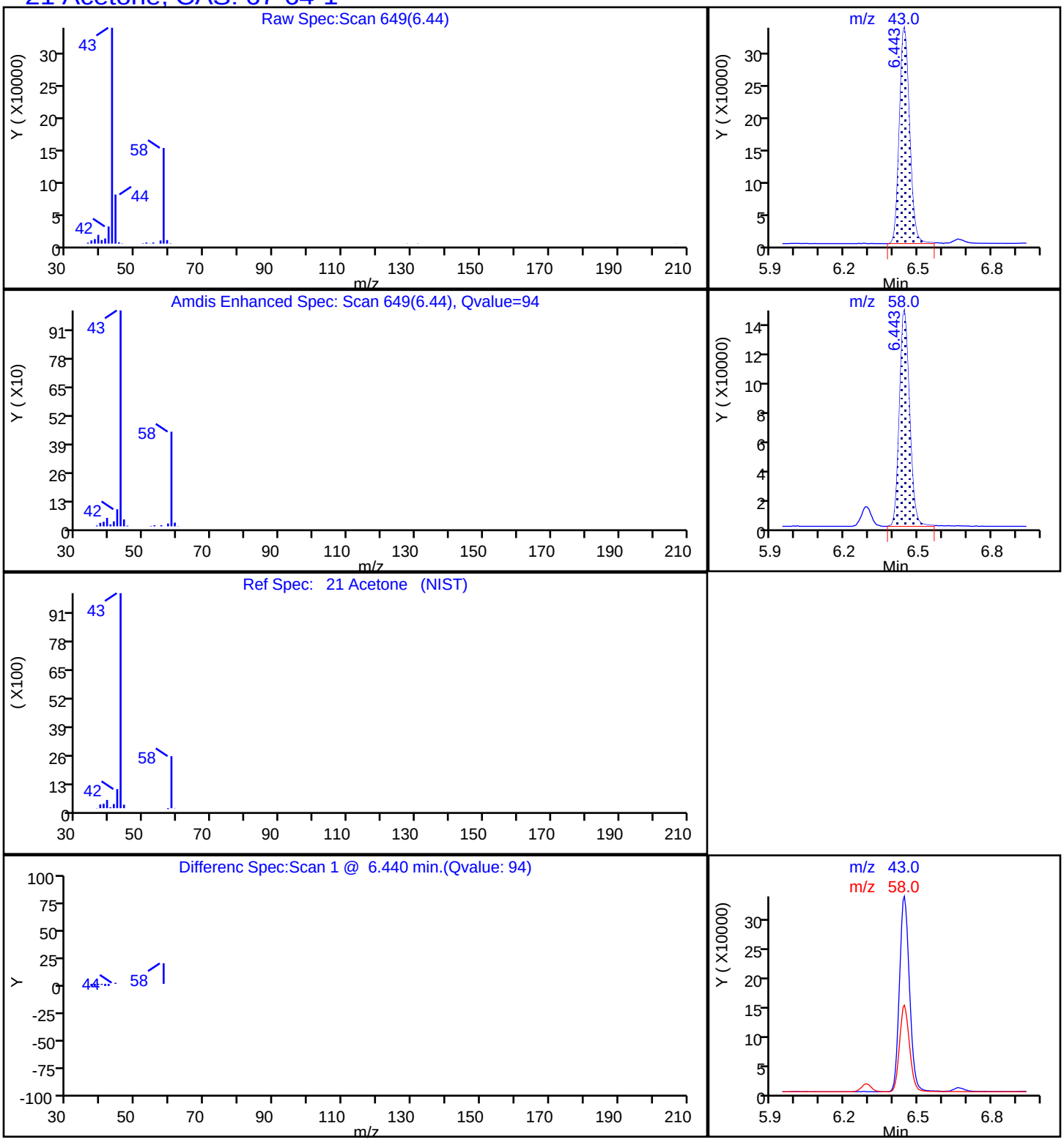
Injection Date:	17-Apr-2018 01:39:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-3	Lab Sample ID:	200-43091-3		
Client ID:	SV003				
Operator ID:	pad	ALS Bottle#:	19	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

19 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1



Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-19.D
Injection Date: 17-Apr-2018 01:39:30 Instrument ID: CHB.i
Lims ID: 200-43091-A-3 Lab Sample ID: 200-43091-3
Client ID: SV003
Operator ID: pad ALS Bottle#: 19 Worklist Smp#: 19
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3 Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

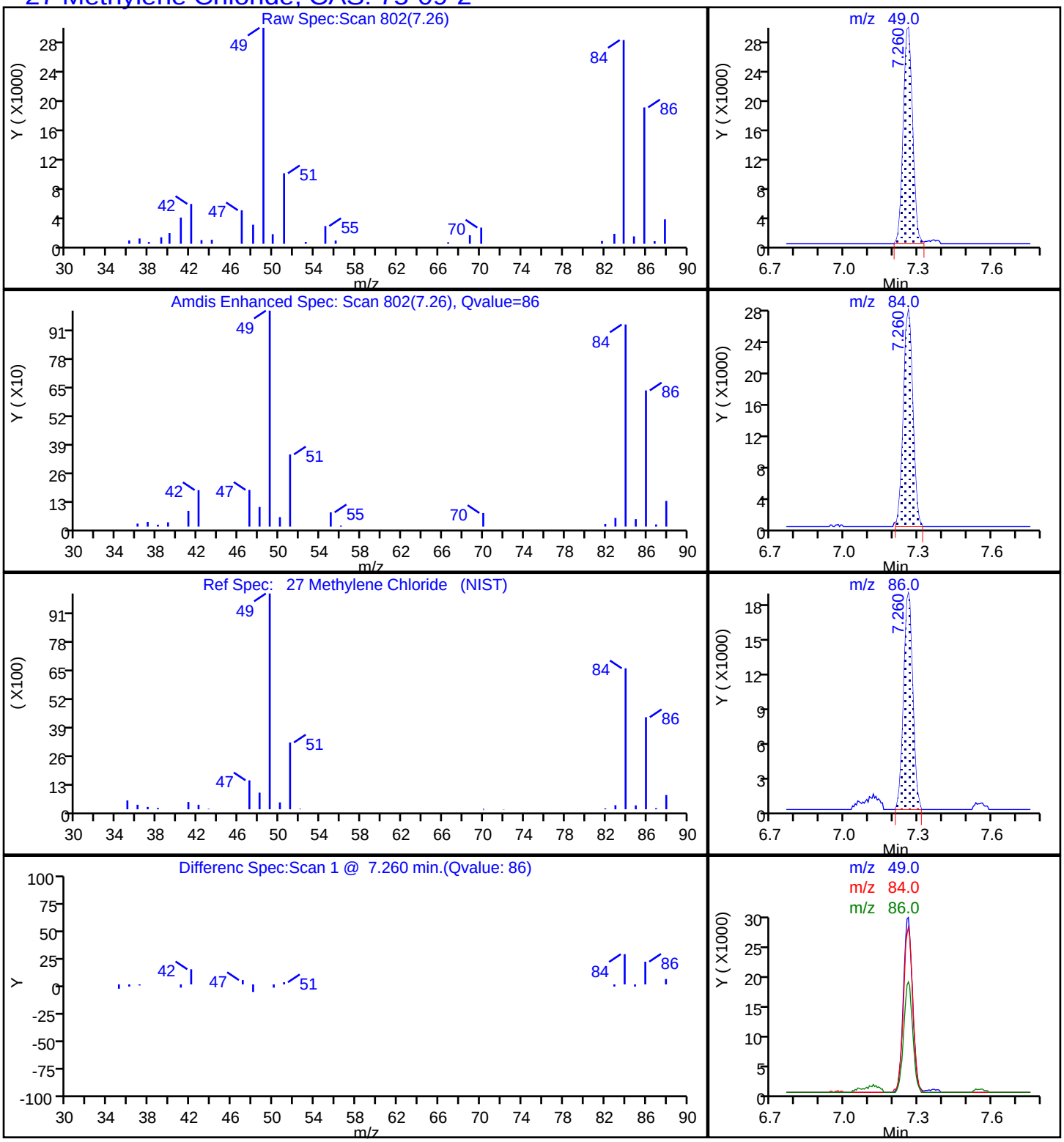
21 Acetone, CAS: 67-64-1



TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-19.D				
Injection Date:	17-Apr-2018 01:39:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-3	Lab Sample ID:	200-43091-3		
Client ID:	SV003				
Operator ID:	pad	ALS Bottle#:	19	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

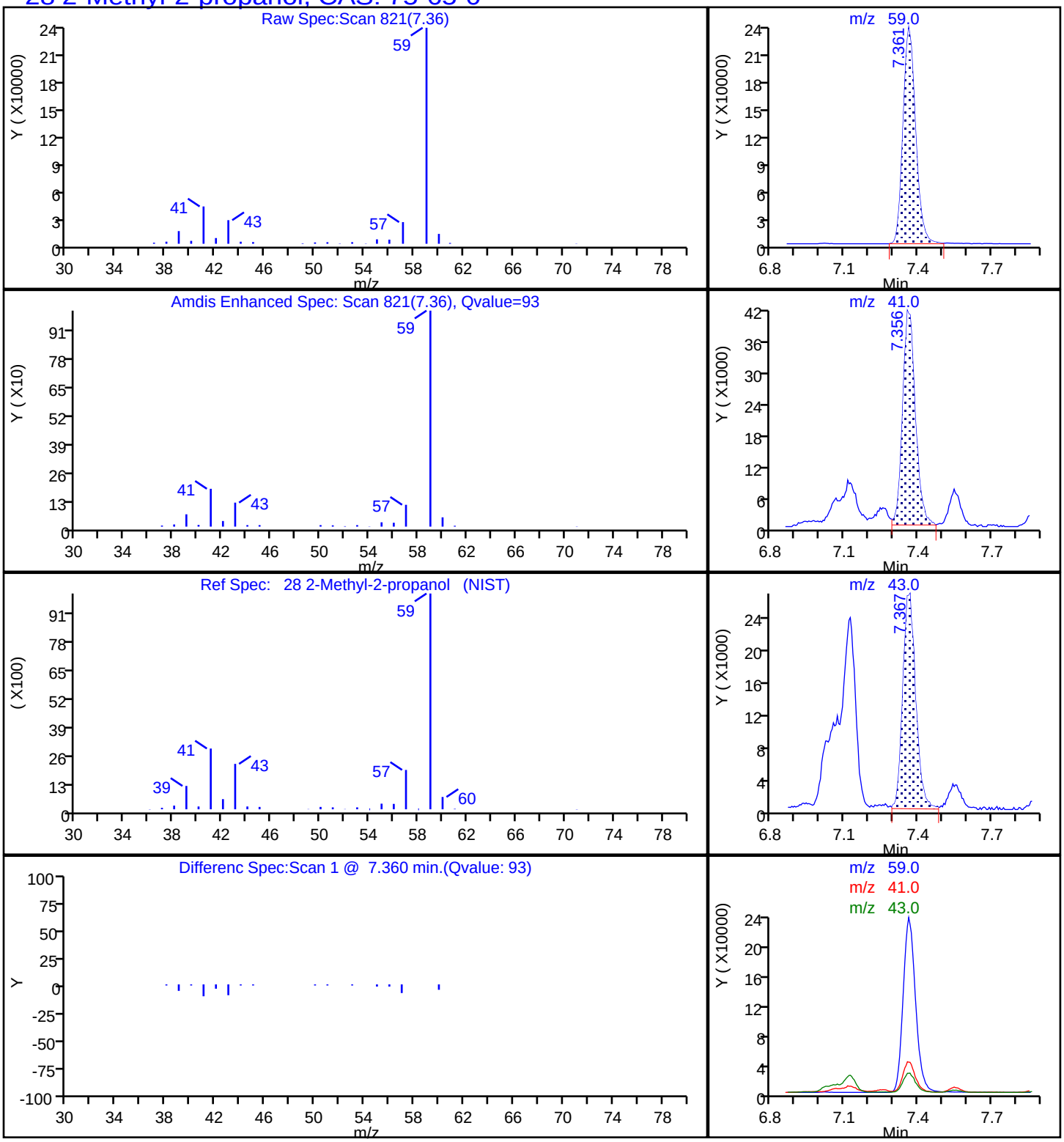
27 Methylene Chloride, CAS: 75-09-2



TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-19.D				
Injection Date:	17-Apr-2018 01:39:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-3	Lab Sample ID:	200-43091-3		
Client ID:	SV003				
Operator ID:	pad	ALS Bottle#:	19	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

28 2-Methyl-2-propanol, CAS: 75-65-0



TestAmerica Burlington

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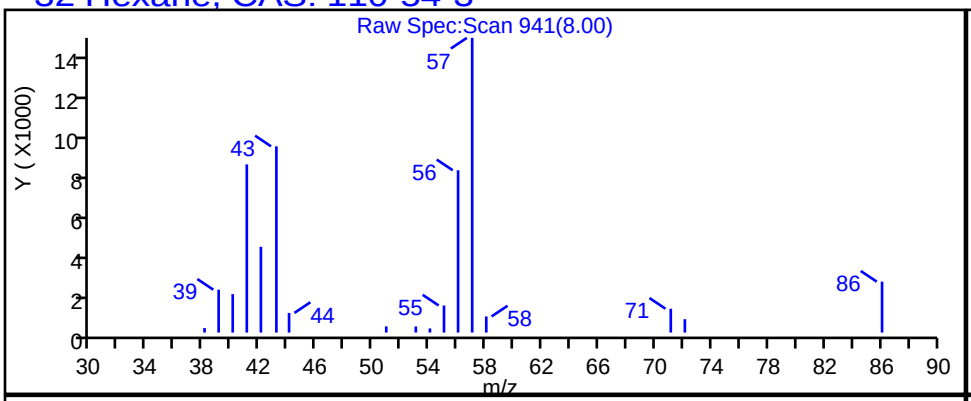
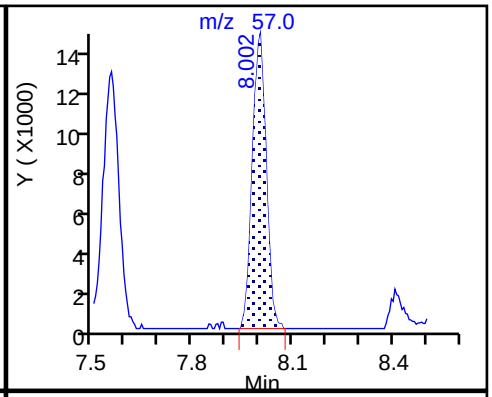
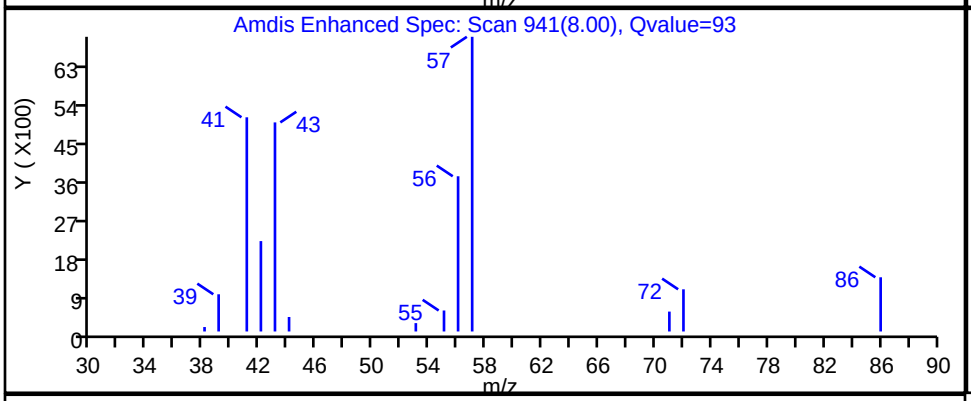
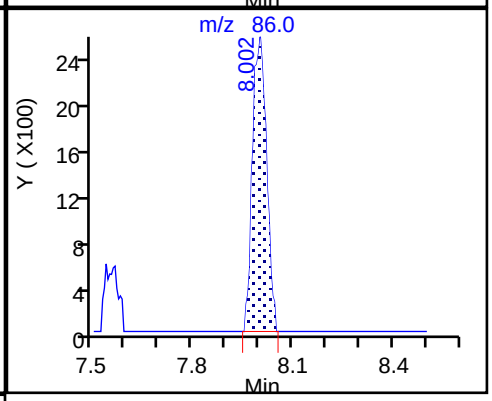
Lims ID:	200-43091-A-3	Lab Sample ID:	200-43091-3		
Client ID:	SV003				
Operator ID:	pad	ALS Bottle#:	19	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

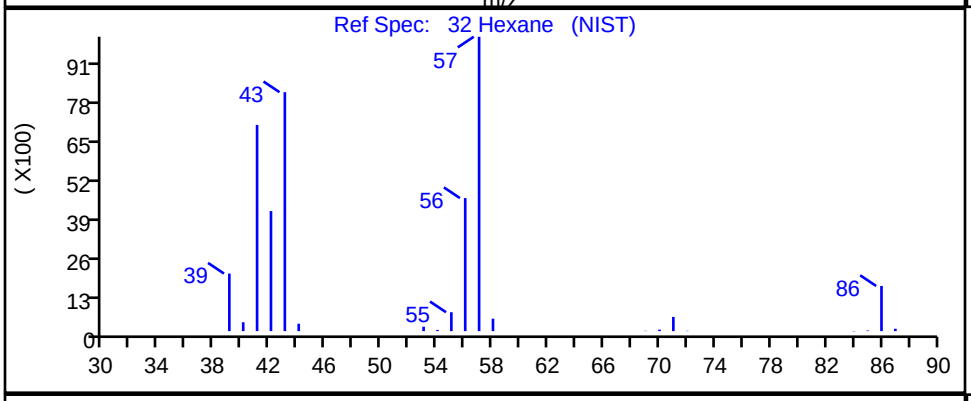
32 Hexane, CAS: 110-54-3

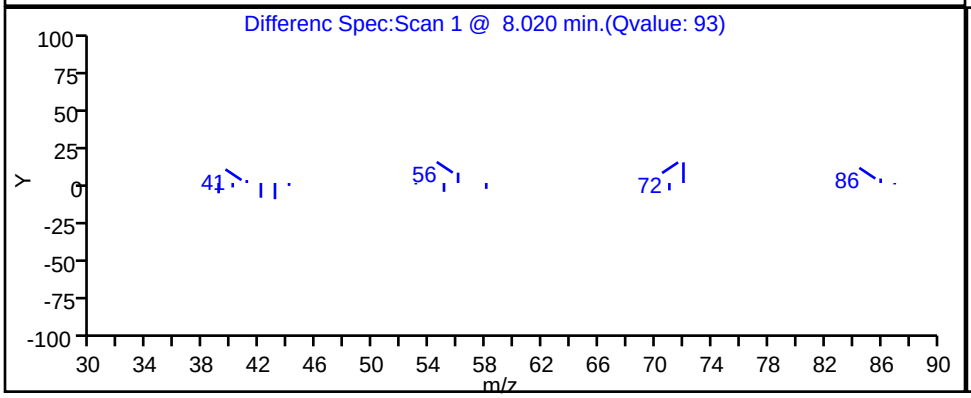


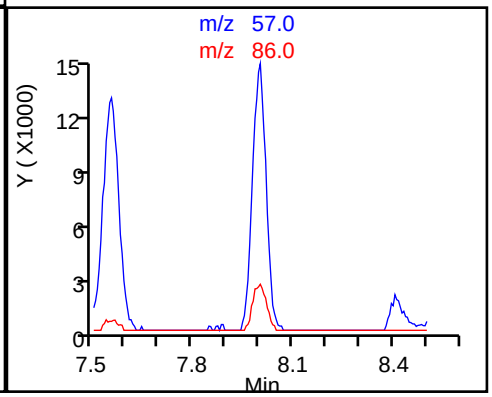










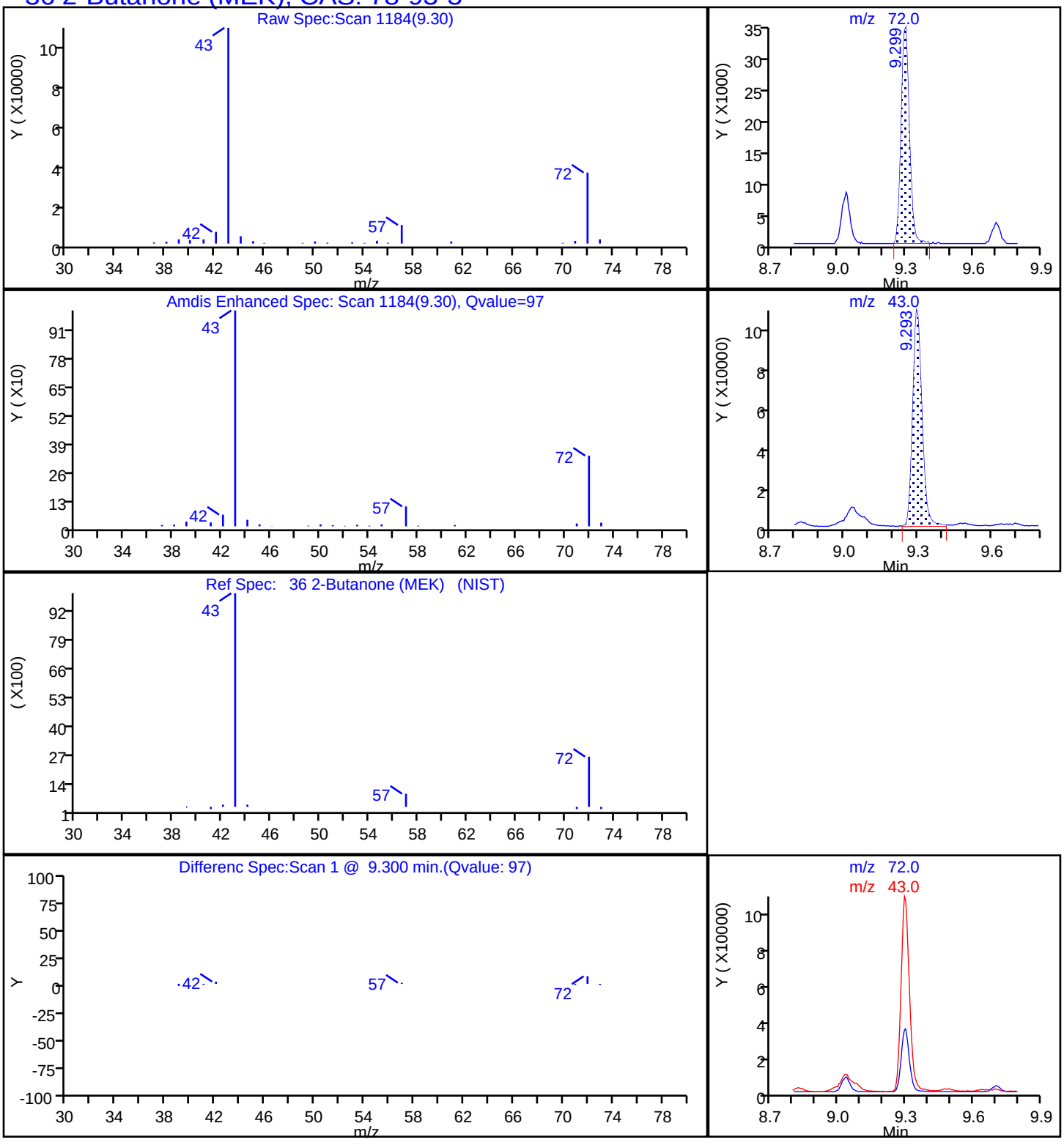


TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-19.D

Injection Date:	17-Apr-2018 01:39:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-3	Lab Sample ID:	200-43091-3		
Client ID:	SV003				
Operator ID:	pad	ALS Bottle#:	19	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

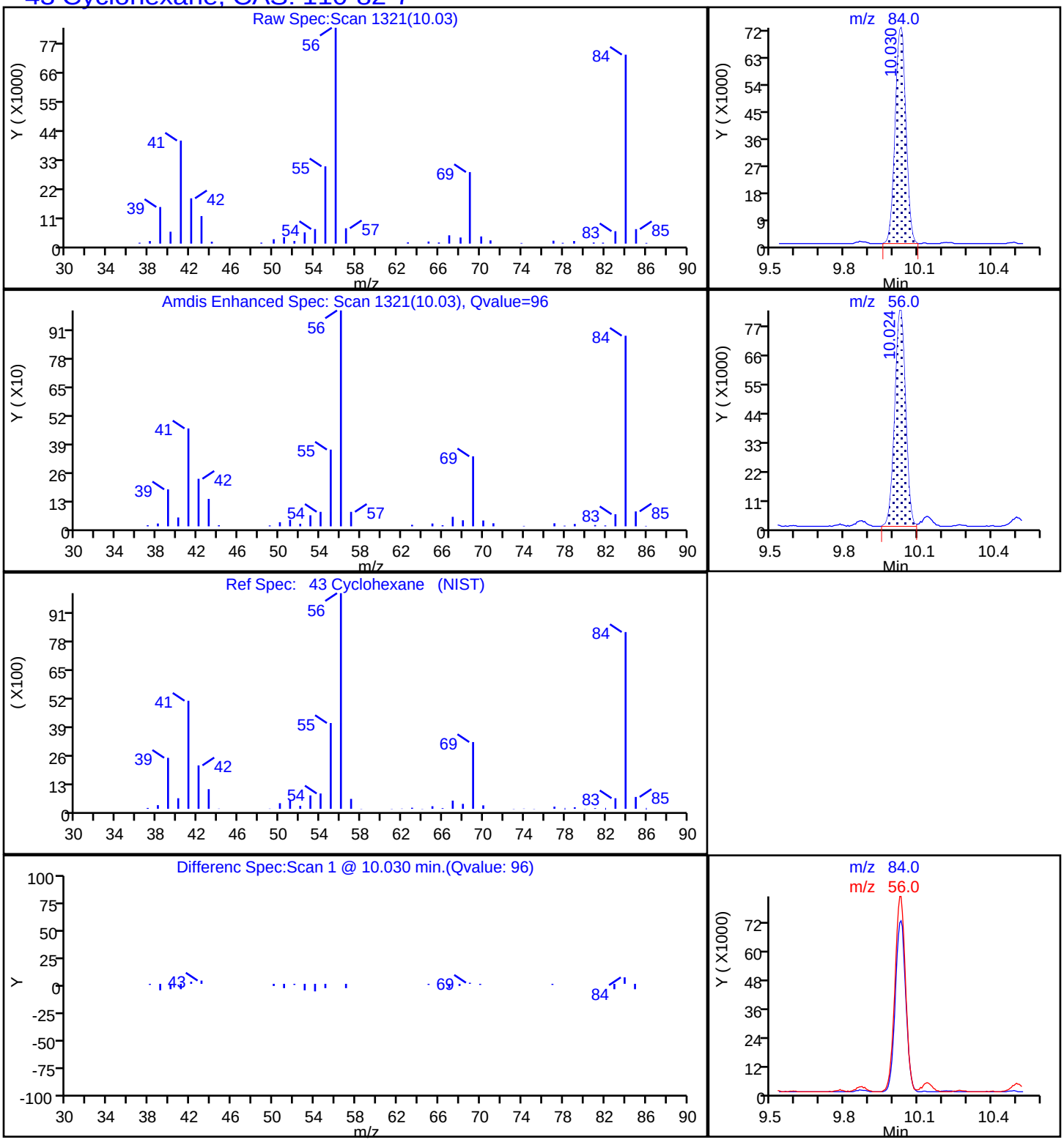
36 2-Butanone (MEK), CAS: 78-93-3



TestAmerica Burlington

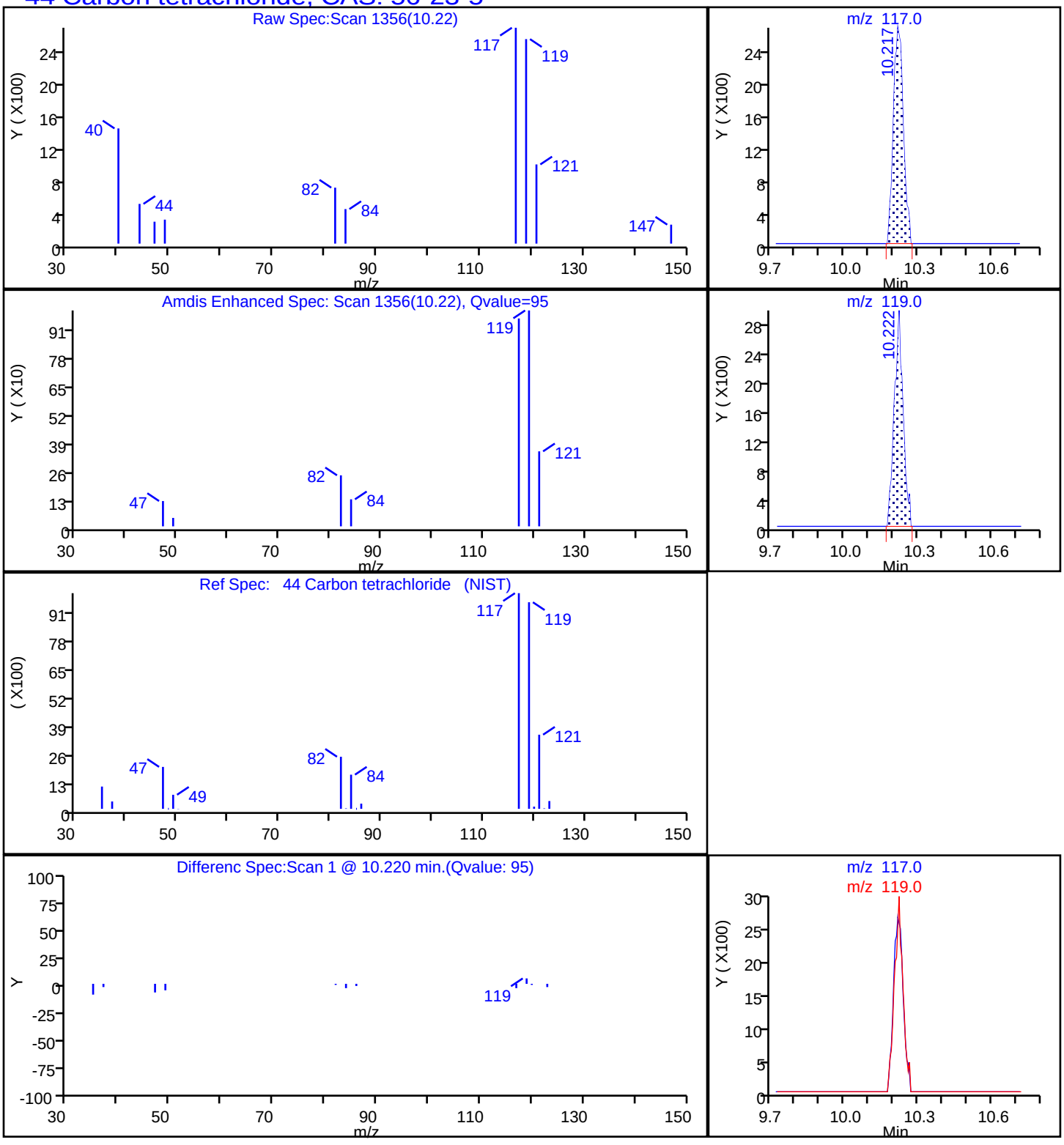
Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-19.D				
Injection Date:	17-Apr-2018 01:39:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-3	Lab Sample ID:	200-43091-3		
Client ID:	SV003				
Operator ID:	pad	ALS Bottle#:	19	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

43 Cyclohexane, CAS: 110-82-7



Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-19.D
Injection Date: 17-Apr-2018 01:39:30 Instrument ID: CHB.i
Lims ID: 200-43091-A-3 Lab Sample ID: 200-43091-3
Client ID: SV003
Operator ID: pad ALS Bottle#: 19 Worklist Smp#: 19
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3 Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

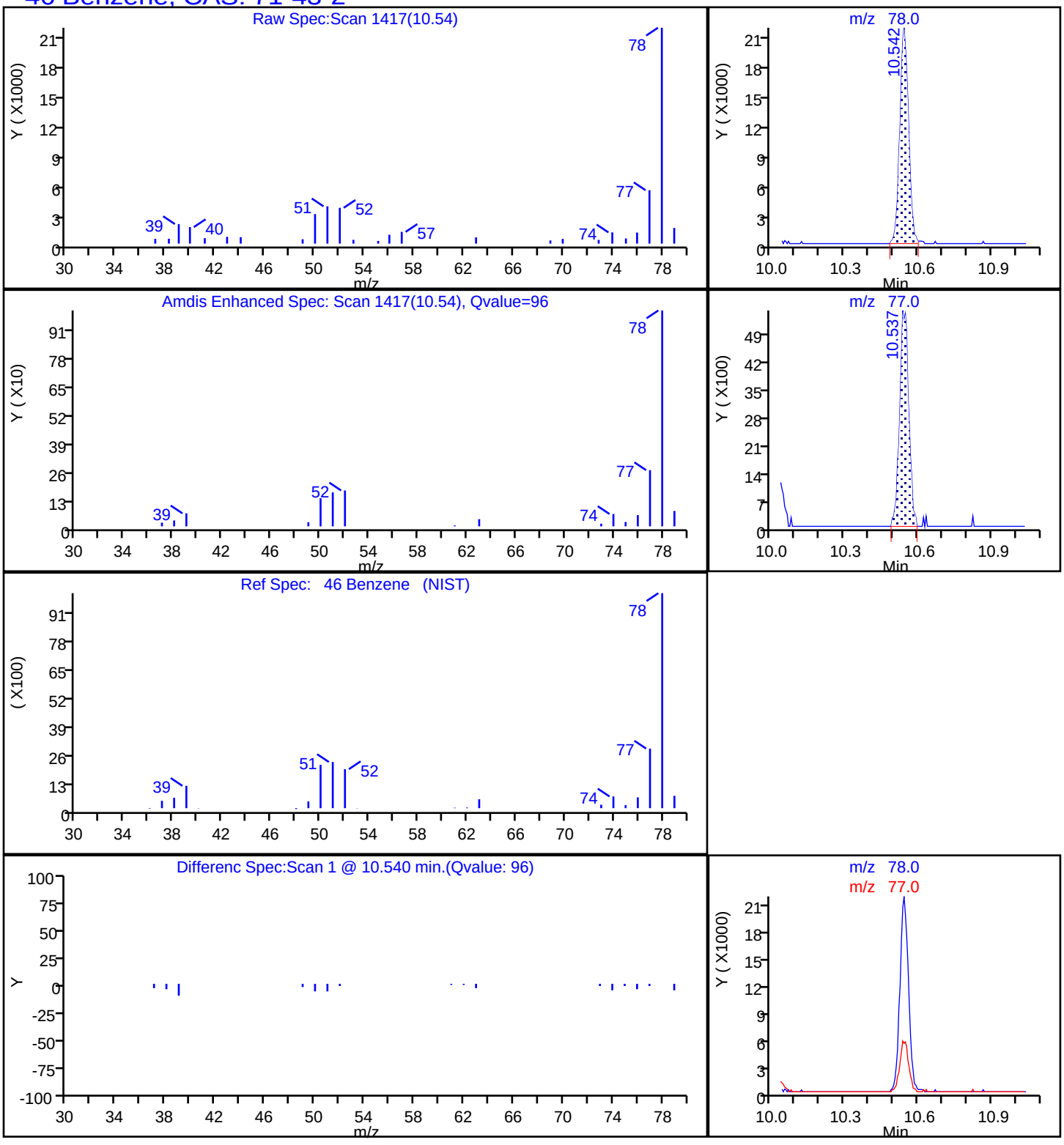
44 Carbon tetrachloride, CAS: 56-23-5



TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-19.D				
Injection Date:	17-Apr-2018 01:39:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-3	Lab Sample ID:	200-43091-3		
Client ID:	SV003				
Operator ID:	pad	ALS Bottle#:	19	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

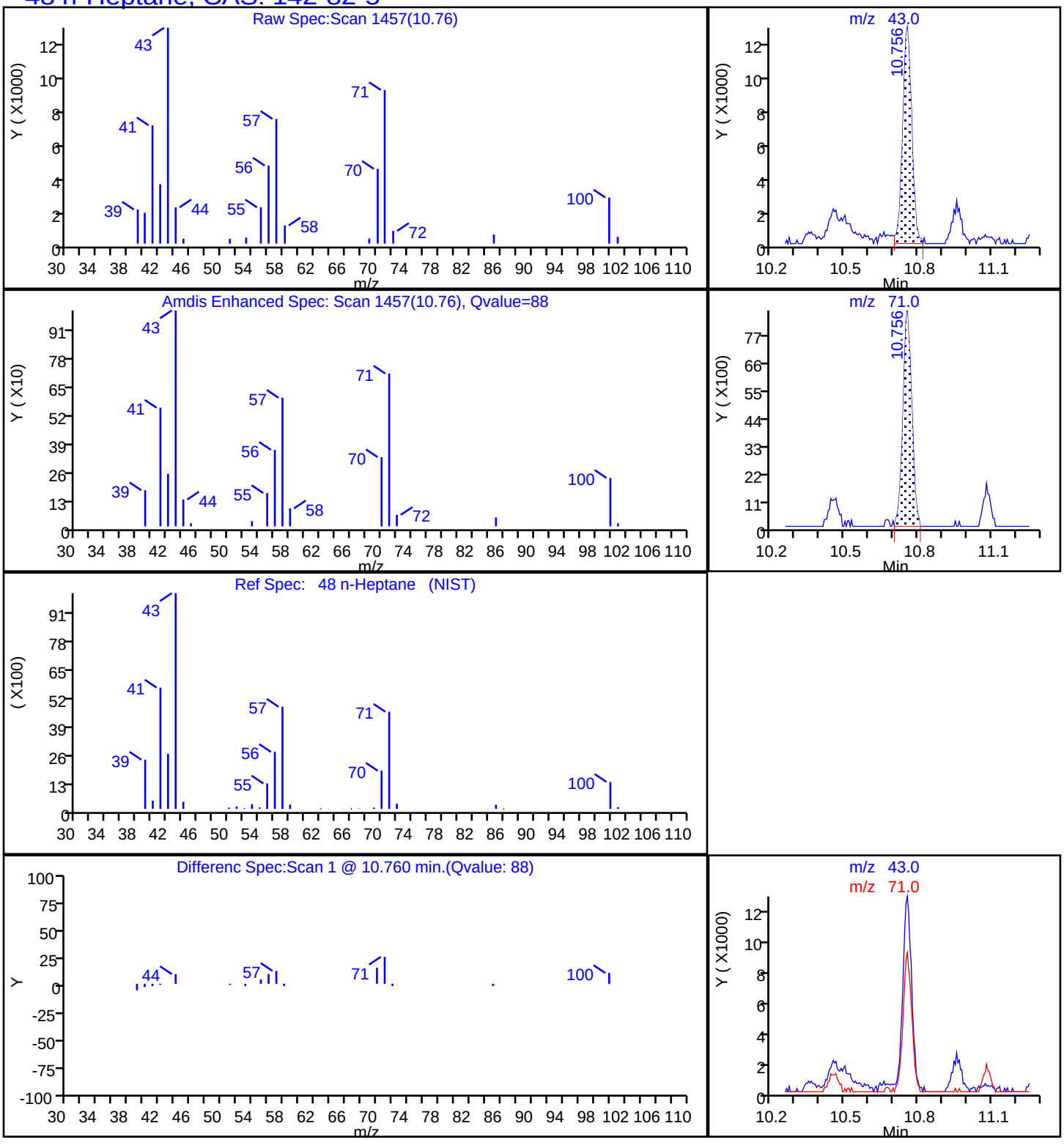
46 Benzene, CAS: 71-43-2



TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-19.D				
Injection Date:	17-Apr-2018 01:39:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-3	Lab Sample ID:	200-43091-3		
Client ID:	SV003				
Operator ID:	pad	ALS Bottle#:	19	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

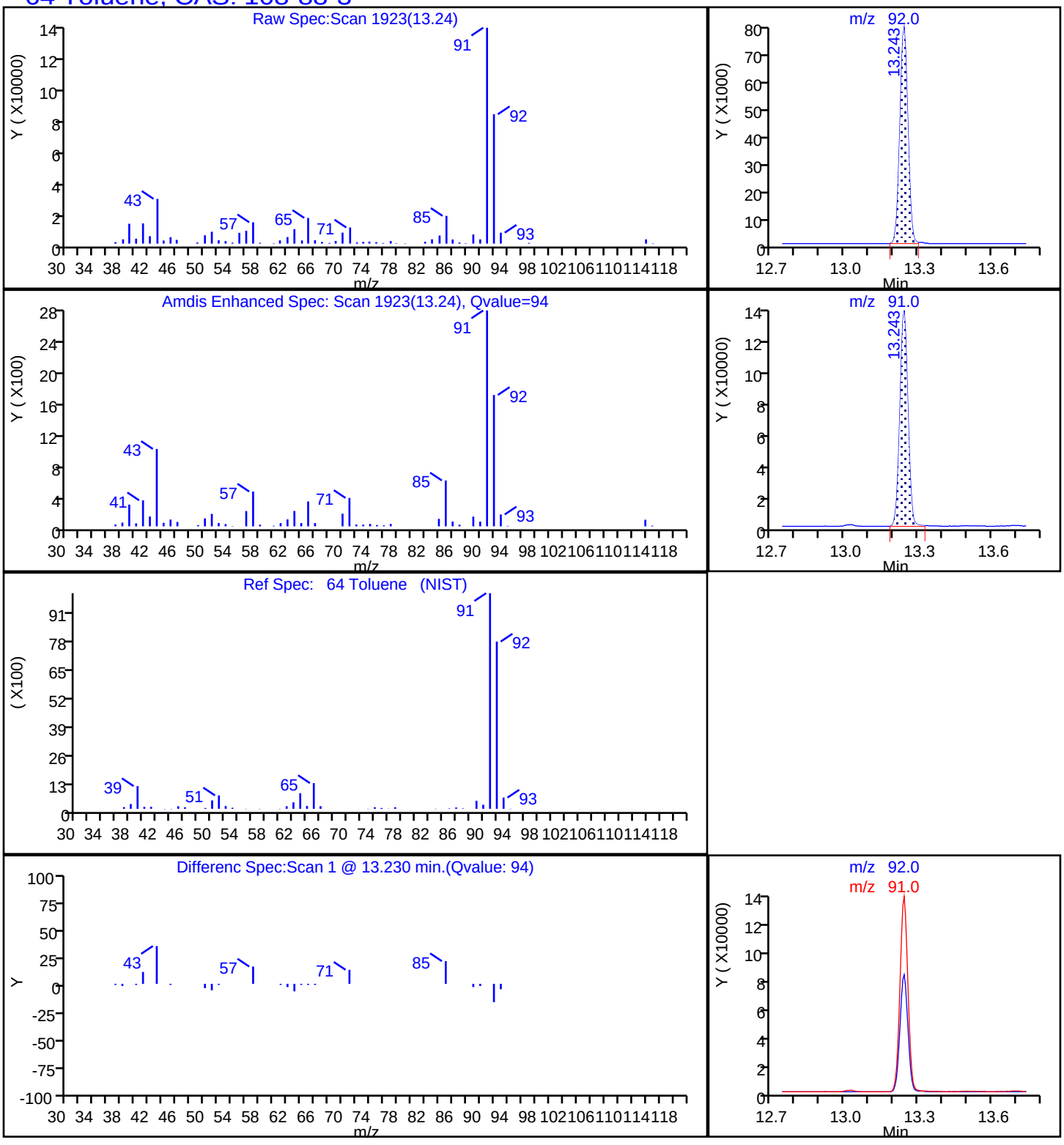
48 n-Heptane, CAS: 142-82-5



TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-19.D				
Injection Date:	17-Apr-2018 01:39:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-3	Lab Sample ID:	200-43091-3		
Client ID:	SV003				
Operator ID:	pad	ALS Bottle#:	19	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

64 Toluene, CAS: 108-88-3

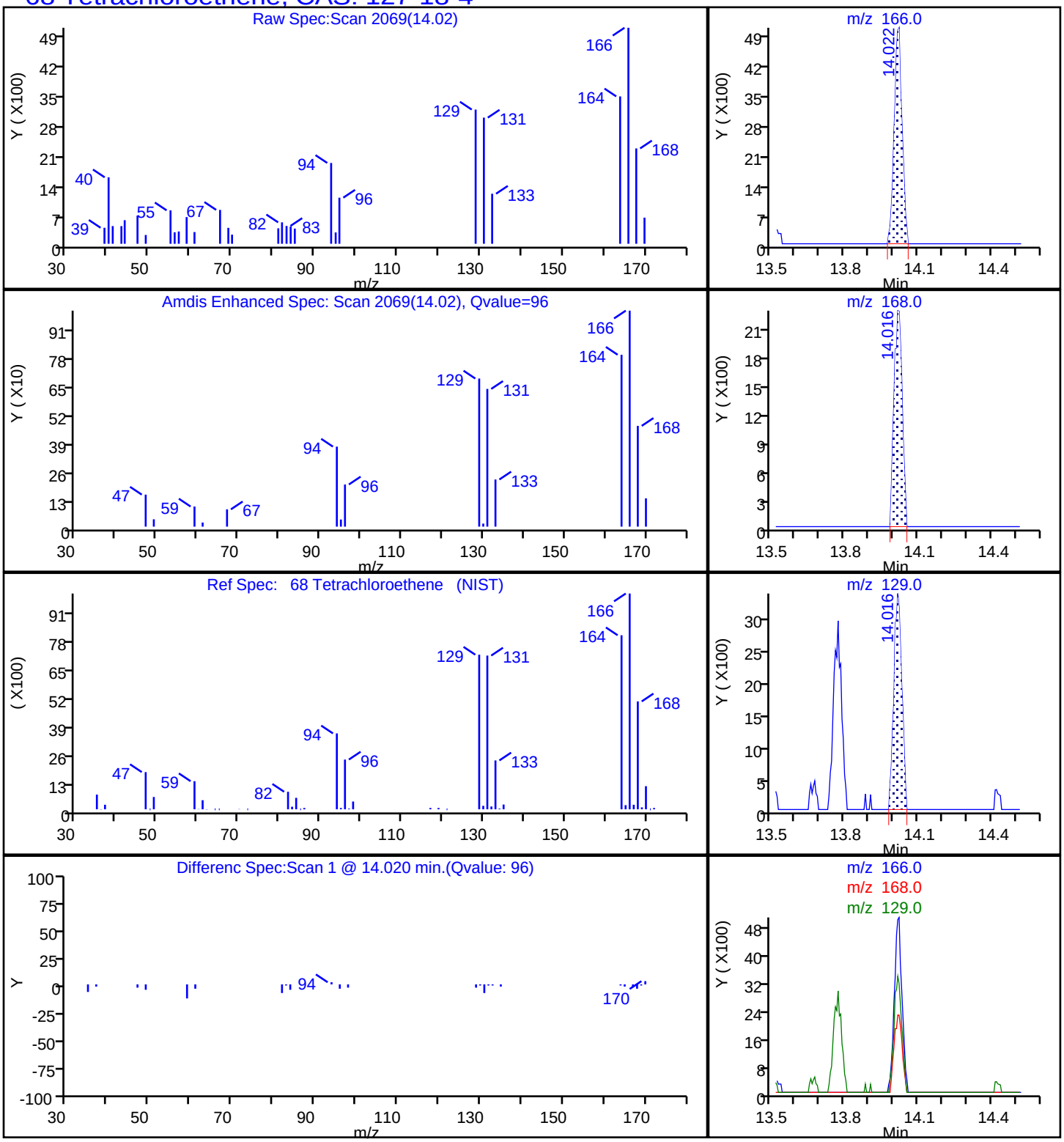


TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-19.D

Injection Date:	17-Apr-2018 01:39:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-3	Lab Sample ID:	200-43091-3		
Client ID:	SV003				
Operator ID:	pad	ALS Bottle#:	19	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

68 Tetrachloroethene, CAS: 127-18-4



TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-19.D				
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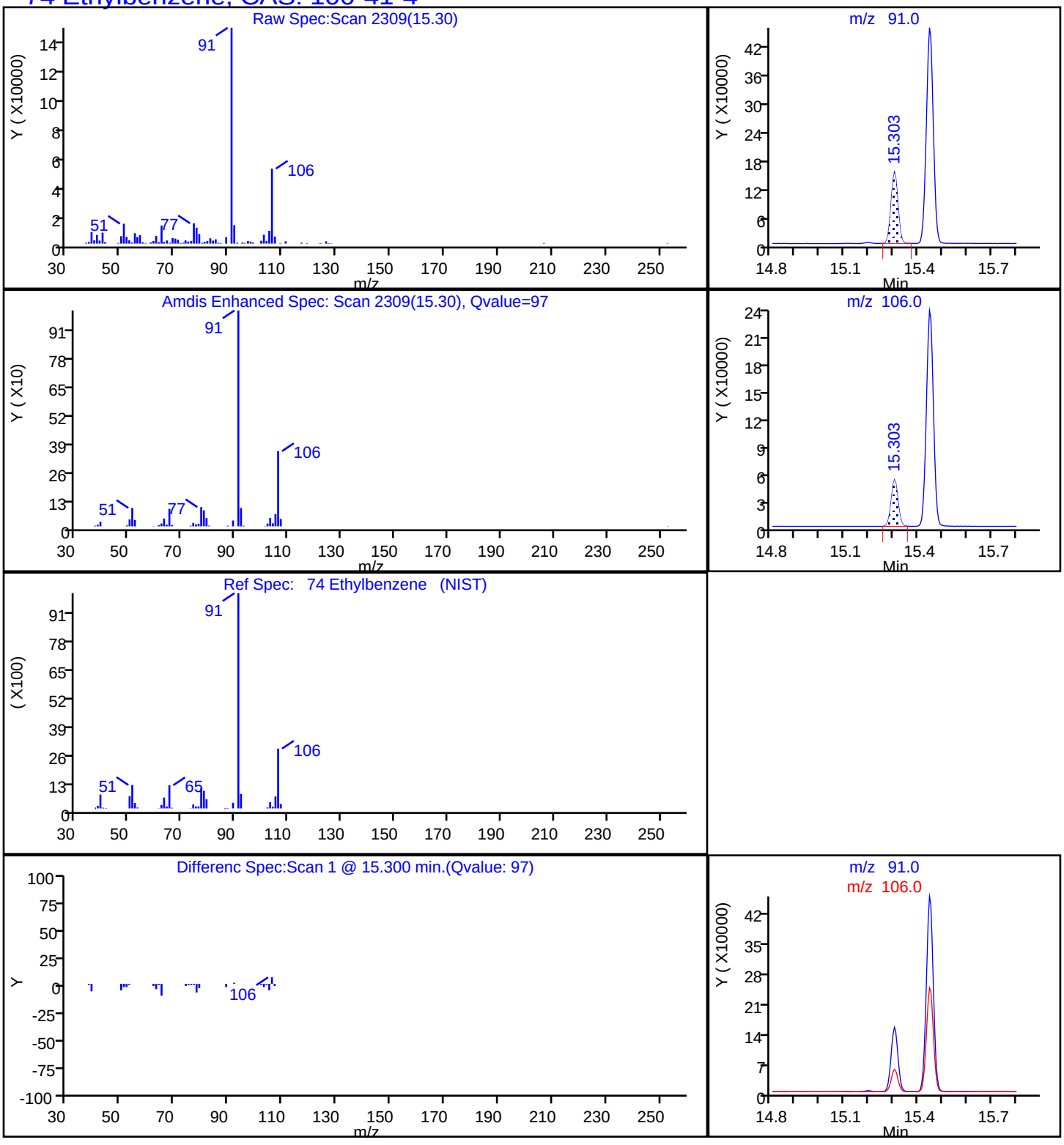
Lims ID:	200-43091-A-3	Lab Sample ID:	200-43091-3		
Client ID:	SV003				
Operator ID:	pad	ALS Bottle#:	19	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

74 Ethylbenzene, CAS: 100-41-4



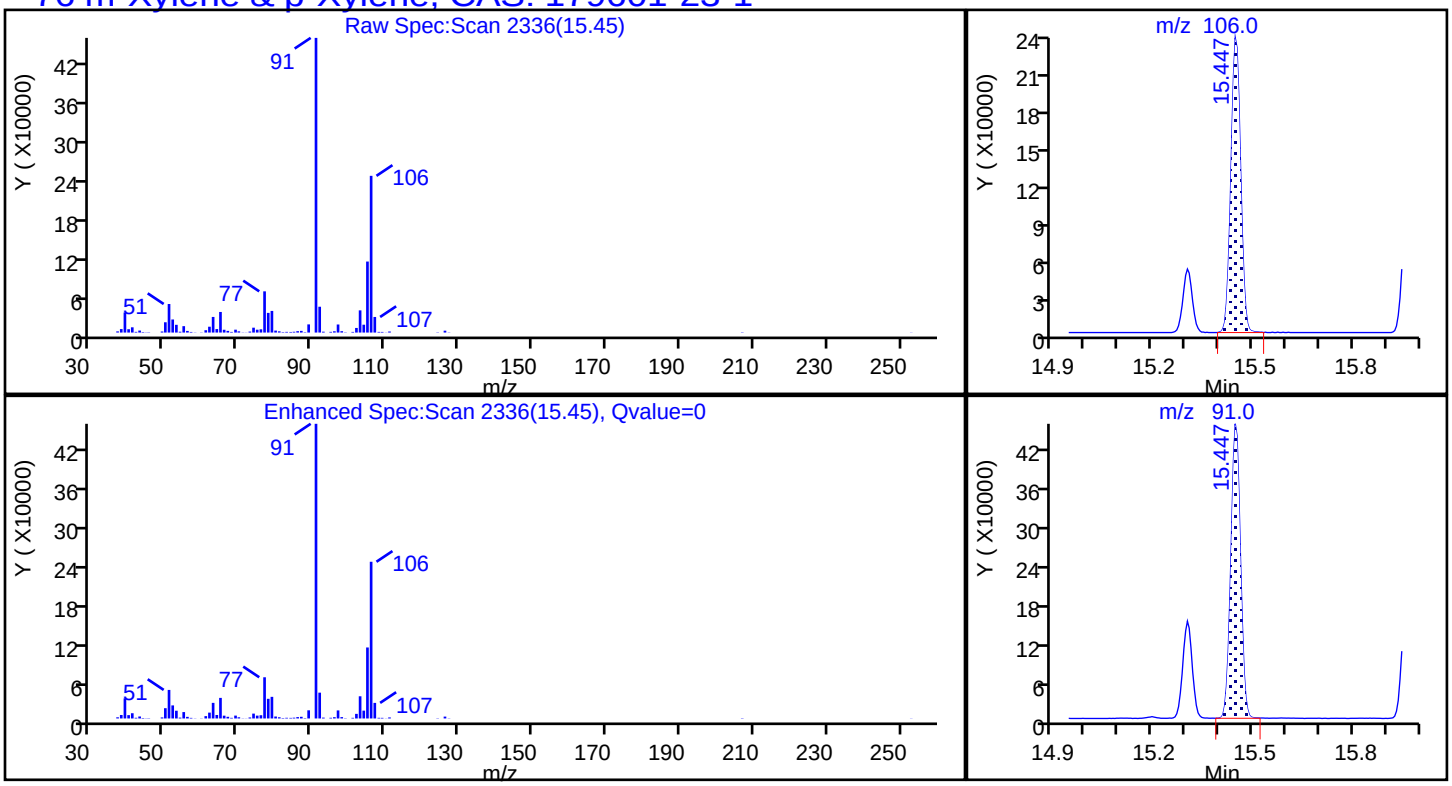
Report Date: 17-Apr-2018 15:25:20 Chrom Revision: 2.2 13-Mar-2018 08:45:20

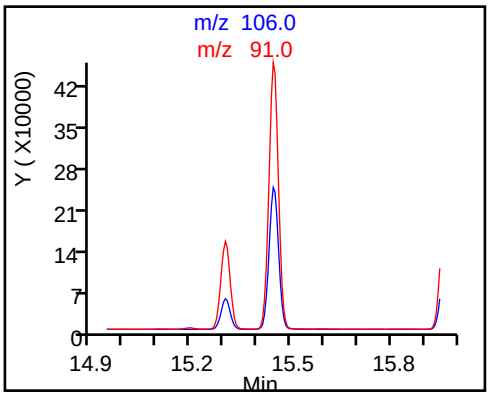
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-19.D

Injection Date:	17-Apr-2018 01:39:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-3	Lab Sample ID:	200-43091-3		
Client ID:	SV003				
Operator ID:	pad	ALS Bottle#:	19	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

76 m-Xylene & p-Xylene, CAS: 179601-23-1



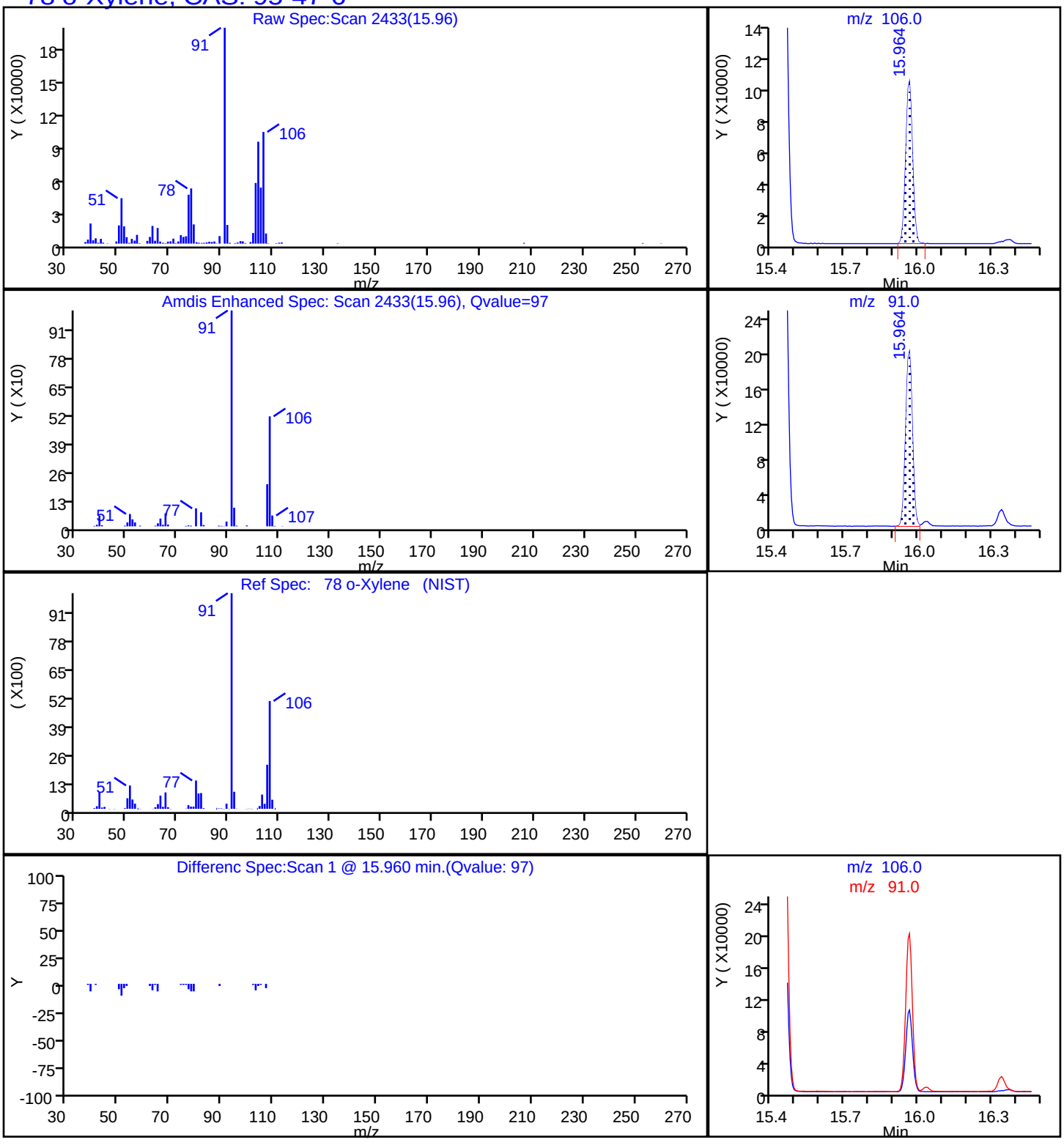


TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-19.D

Injection Date:	17-Apr-2018 01:39:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-3	Lab Sample ID:	200-43091-3		
Client ID:	SV003				
Operator ID:	pad	ALS Bottle#:	19	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

78 o-Xylene, CAS: 95-47-6



TestAmerica Burlington

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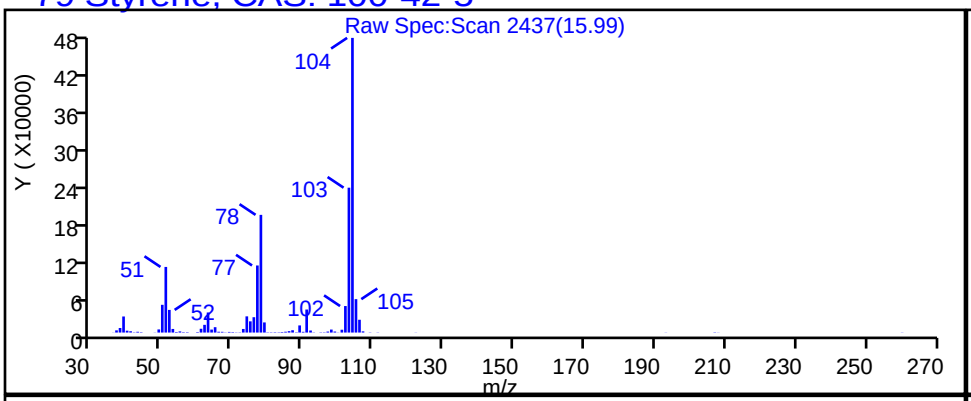
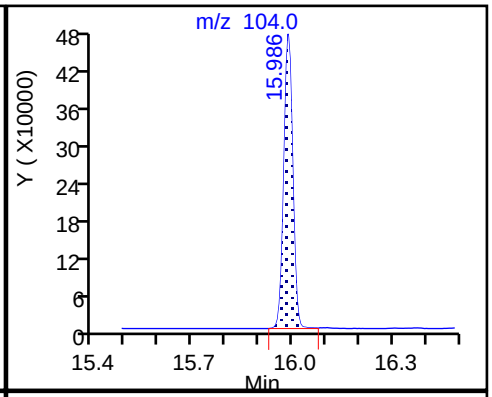
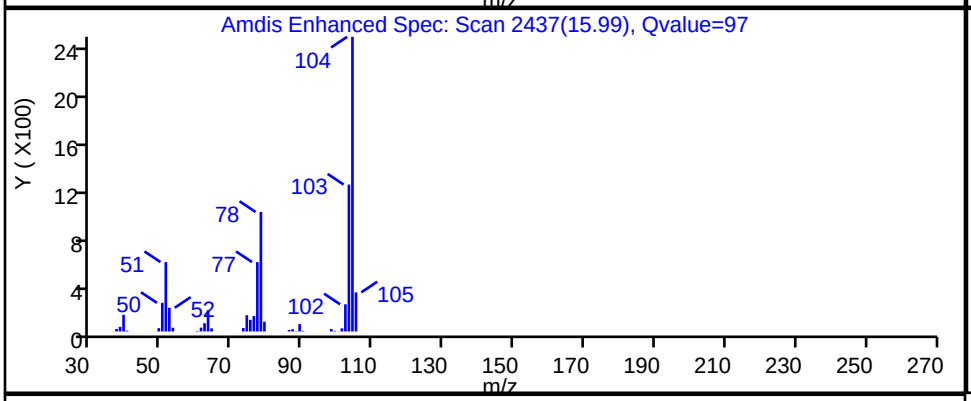
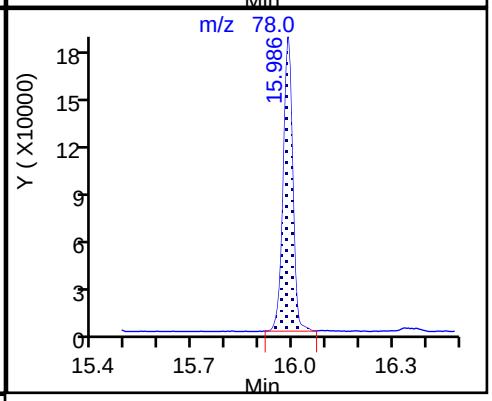
Client ID:	SV003				
Operator ID:	pad	ALS Bottle#:	19	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

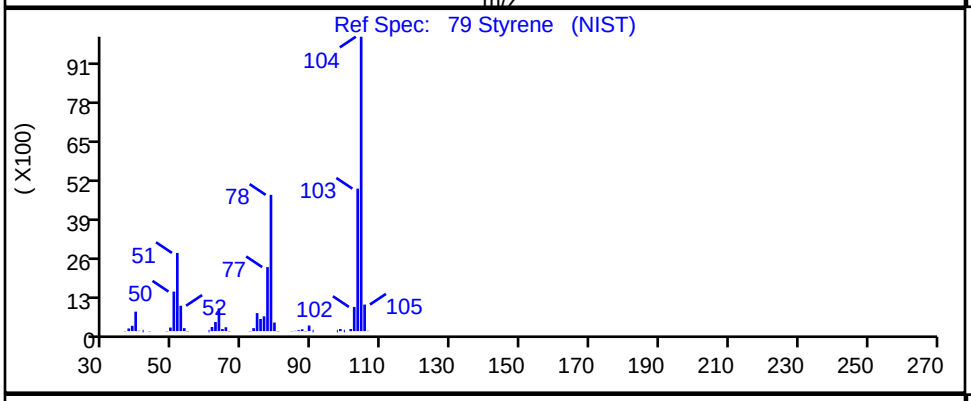
79 Styrene, CAS: 100-42-5

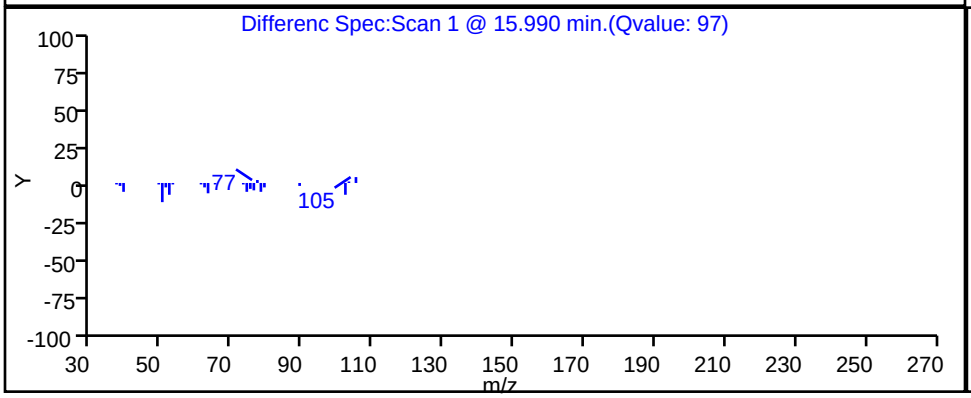


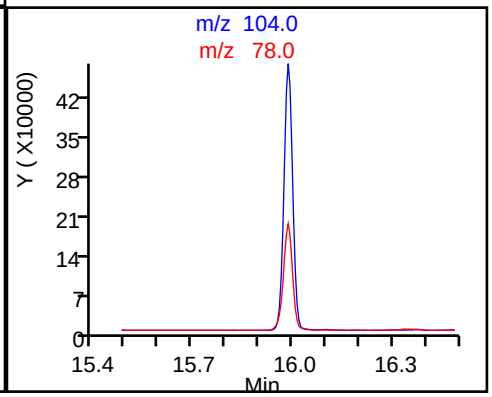








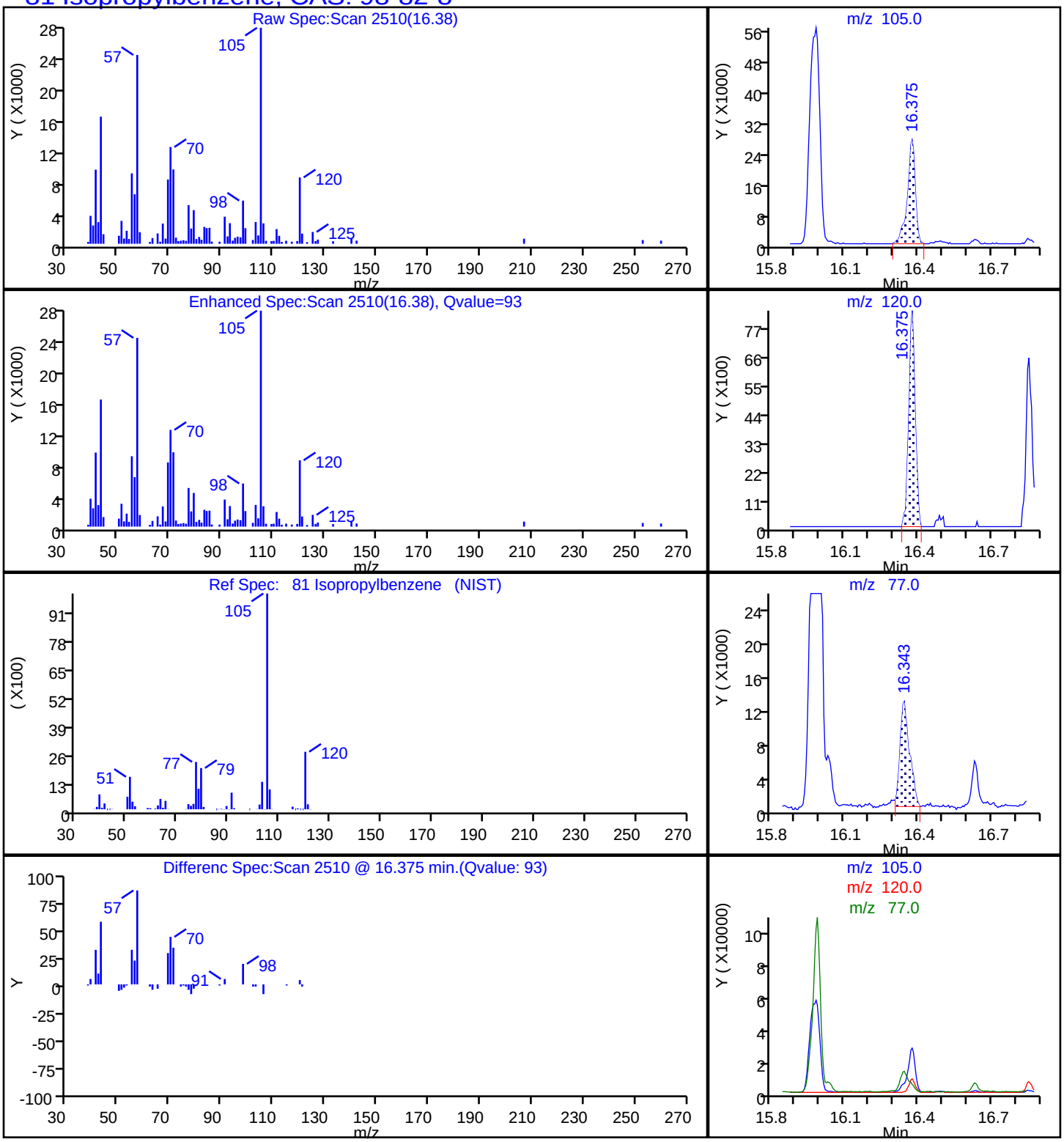




TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-19.D				
Injection Date:	17-Apr-2018 01:39:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-3	Lab Sample ID:	200-43091-3		
Client ID:	SV003				
Operator ID:	pad	ALS Bottle#:	19	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

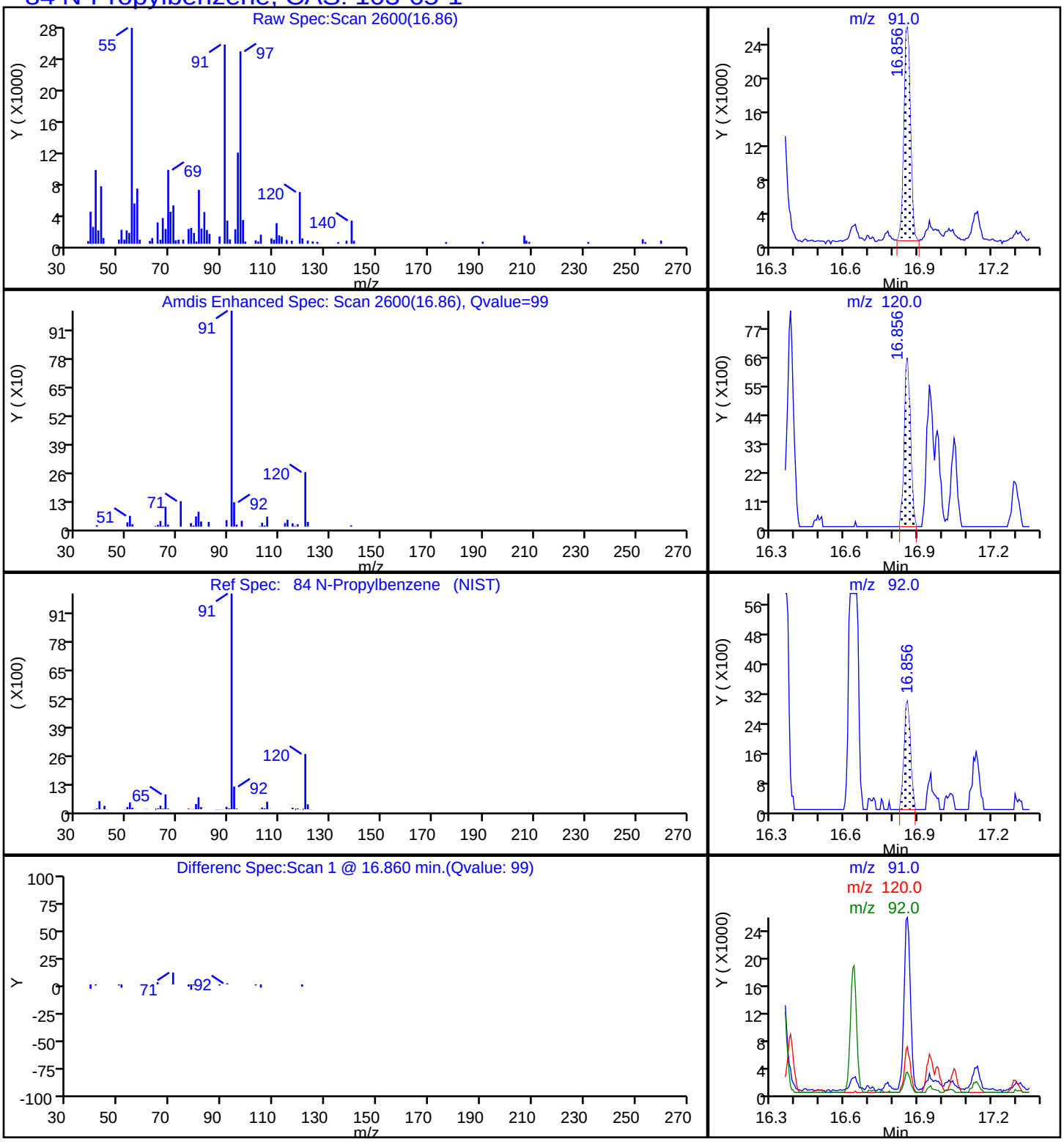
81 Isopropylbenzene, CAS: 98-82-8



TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-19.D				
Injection Date:	17-Apr-2018 01:39:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-3	Lab Sample ID:	200-43091-3		
Client ID:	SV003				
Operator ID:	pad	ALS Bottle#:	19	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

84 N-Propylbenzene, CAS: 103-65-1

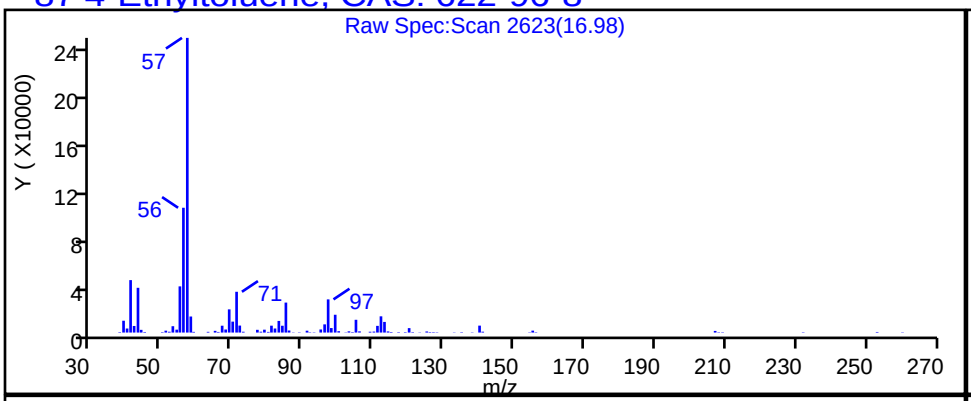


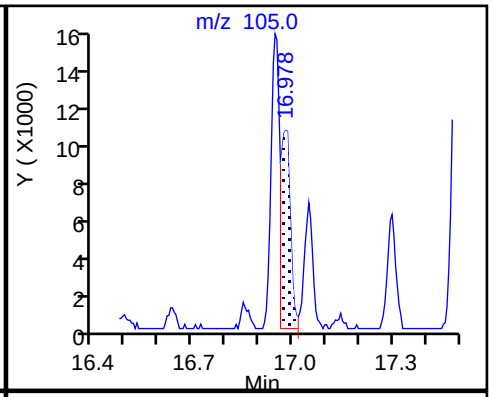
TestAmerica Burlington

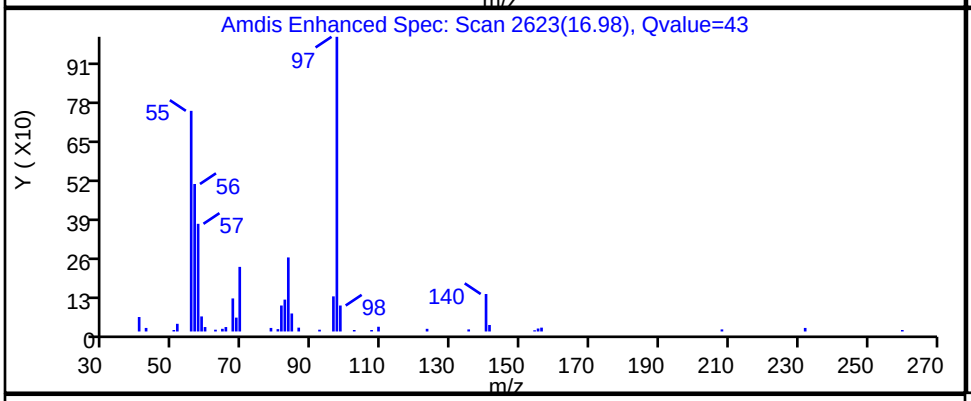
Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-19.D

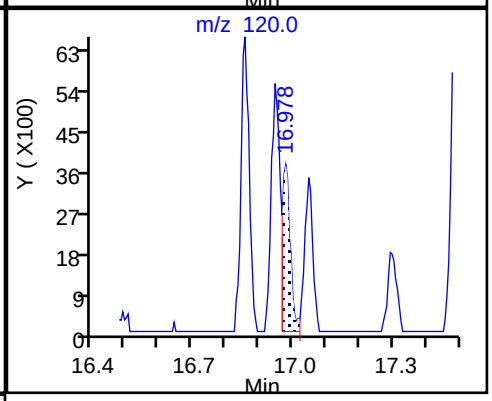
Injection Date:	17-Apr-2018 01:39:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-3	Lab Sample ID:	200-43091-3		
Client ID:	SV003				
Operator ID:	pad	ALS Bottle#:	19	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

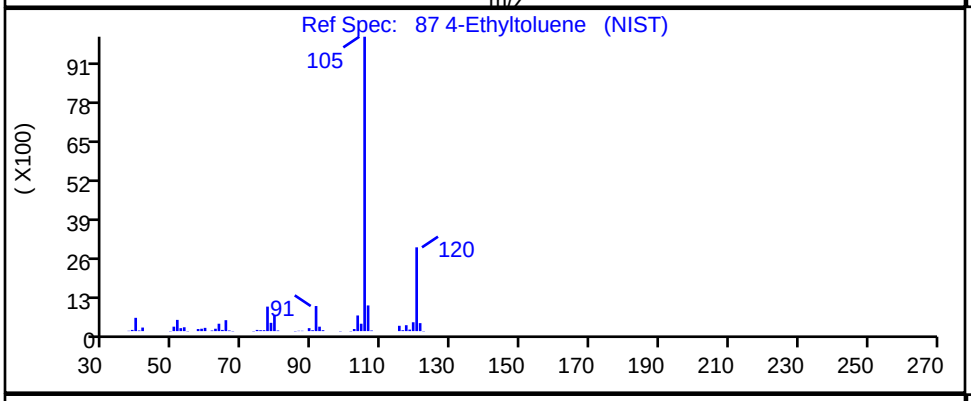
87 4-Ethyltoluene, CAS: 622-96-8

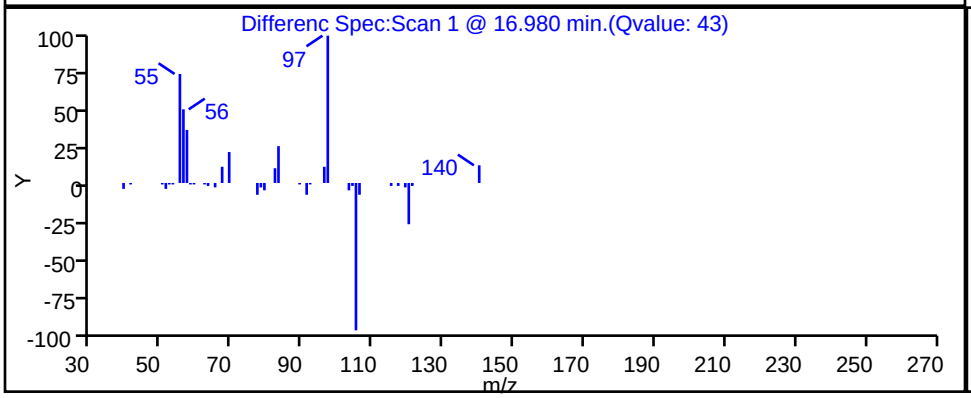


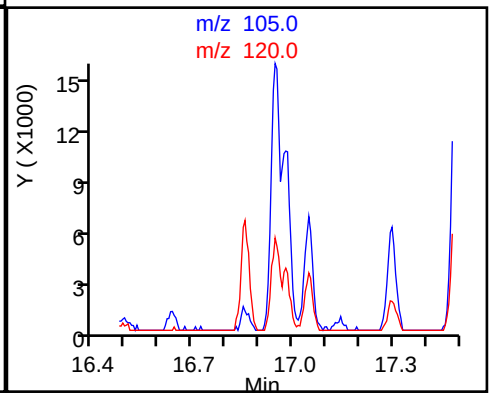








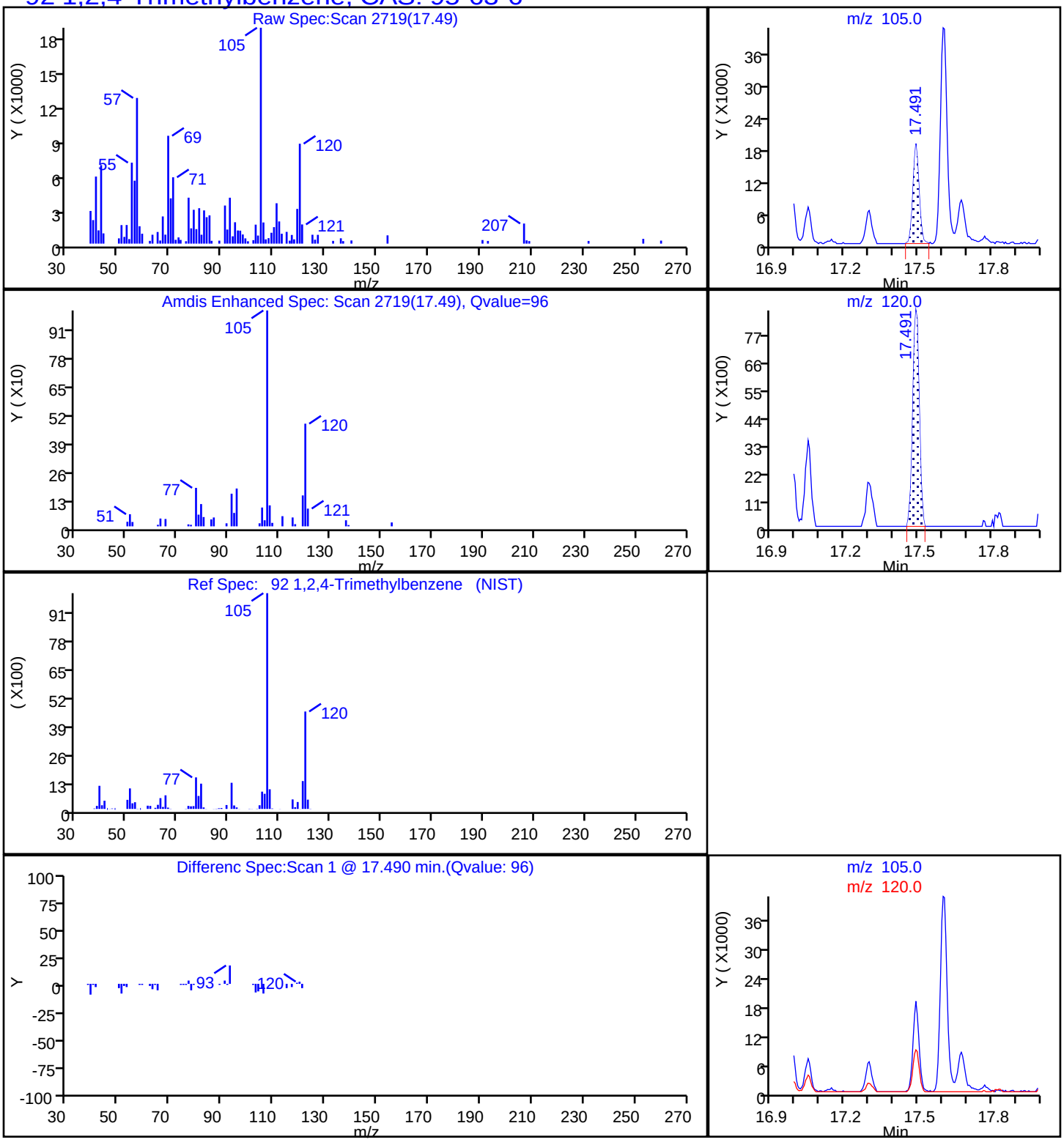




TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-19.D				
Injection Date:	17-Apr-2018 01:39:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-3	Lab Sample ID:	200-43091-3		
Client ID:	SV003				
Operator ID:	pad	ALS Bottle#:	19	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

92 1,2,4-Trimethylbenzene, CAS: 95-63-6



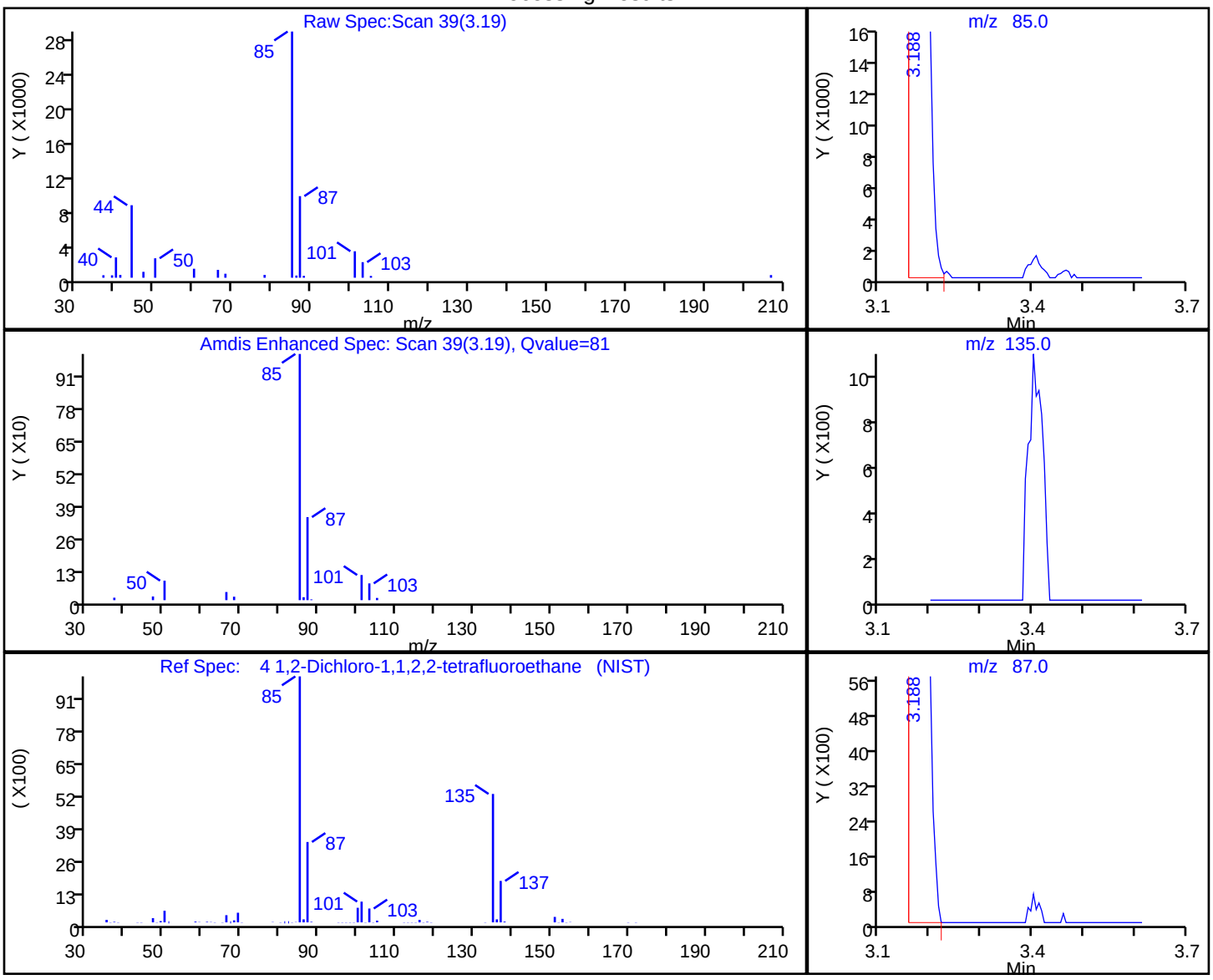
User Disabled Compound Report

TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-19.D				
Injection Date:	17-Apr-2018 01:39:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-3	Lab Sample ID:	200-43091-3		
Client ID:	SV003				
Operator ID:	pad	ALS Bottle#:	19	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

4 1,2-Dichloro-1,1,2,2-tetrafluoroethane, CAS: 76-14-2

Processing Results



RT	Mass	Response	Amount
3.19	85.00	42209	0.380149
3.41	135.00	0	
3.19	87.00	14561	

Reviewer: phamvu, 17-Apr-2018 15:16:17

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

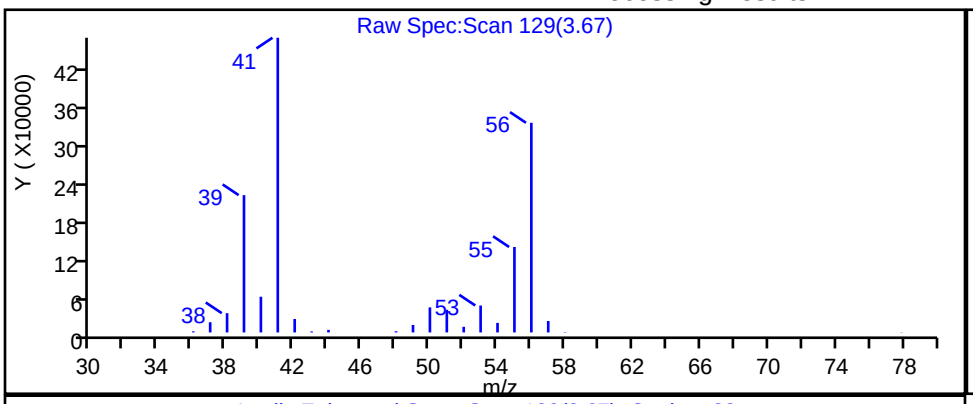
User Disabled Compound Report

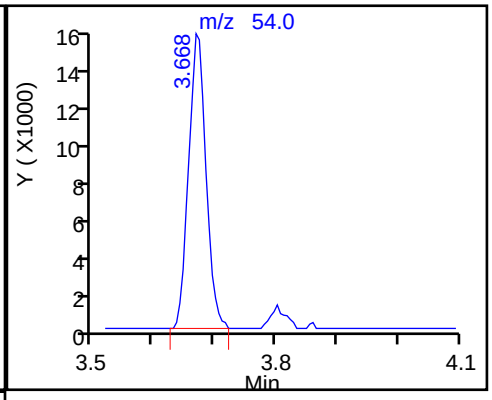
TestAmerica Burlington

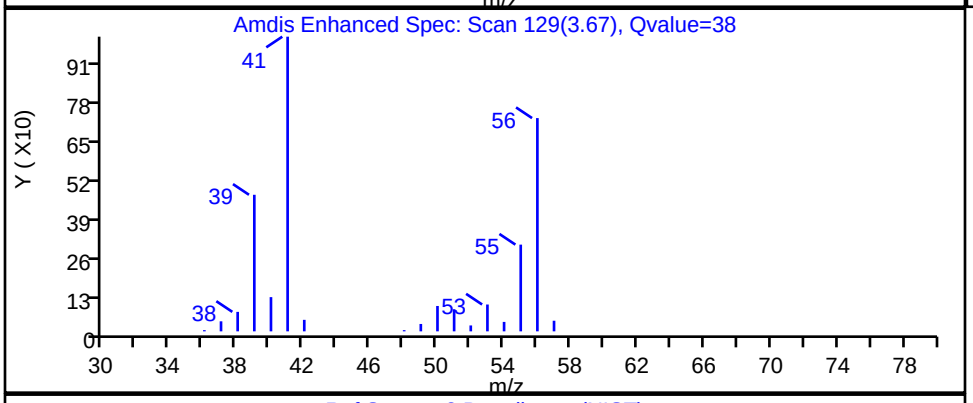
Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-19.D				
Injection Date:	17-Apr-2018 01:39:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-3	Lab Sample ID:	200-43091-3		
Client ID:	SV003				
Operator ID:	pad	ALS Bottle#:	19	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

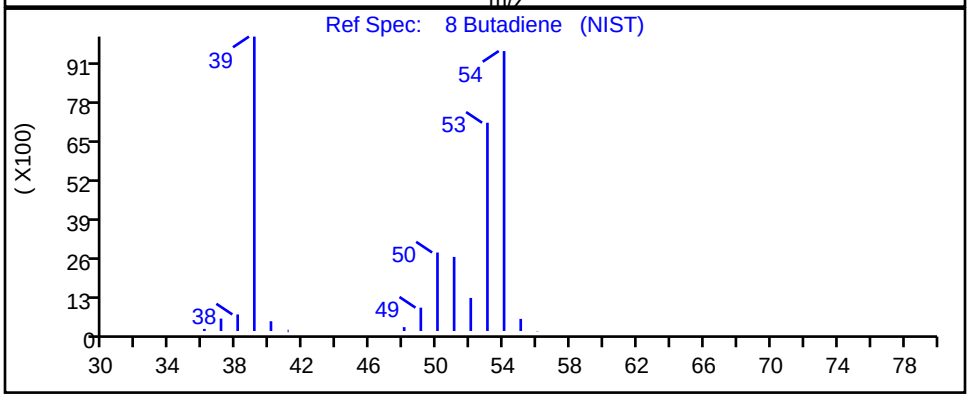
8 Butadiene, CAS: 106-99-0

Processing Results









RT	Mass	Response	Amount
3.67	54.00	29880	0.816203

Reviewer: phamvu, 17-Apr-2018 15:16:17

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

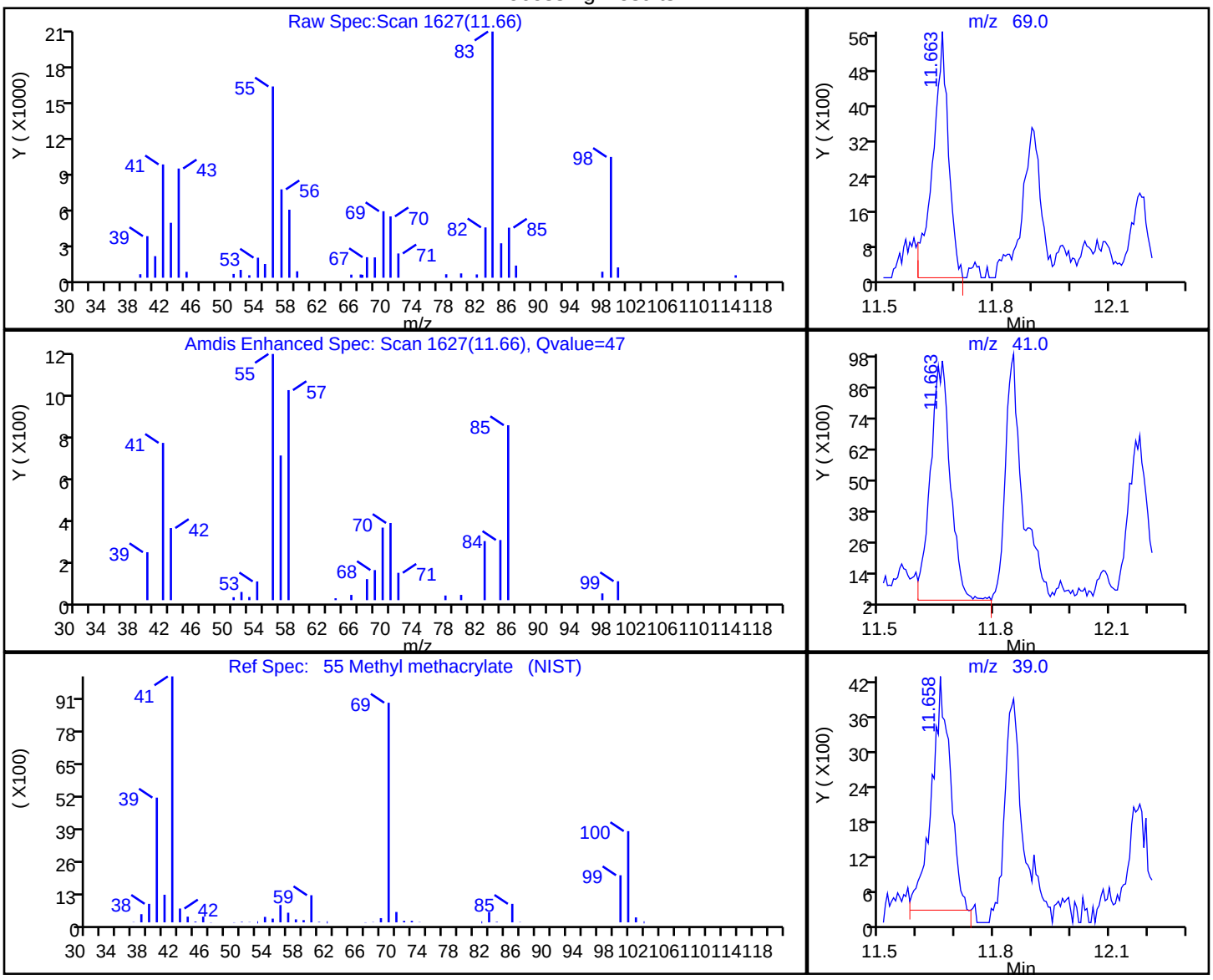
User Disabled Compound Report

TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-19.D				
Injection Date:	17-Apr-2018 01:39:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-3	Lab Sample ID:	200-43091-3		
Client ID:	SV003				
Operator ID:	pad	ALS Bottle#:	19	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

55 Methyl methacrylate, CAS: 80-62-6

Processing Results



RT	Mass	Response	Amount
11.66	69.00	15824	0.250870
11.66	41.00	33617	
11.66	39.00	13694	

Reviewer: phamvu, 17-Apr-2018 15:16:17

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

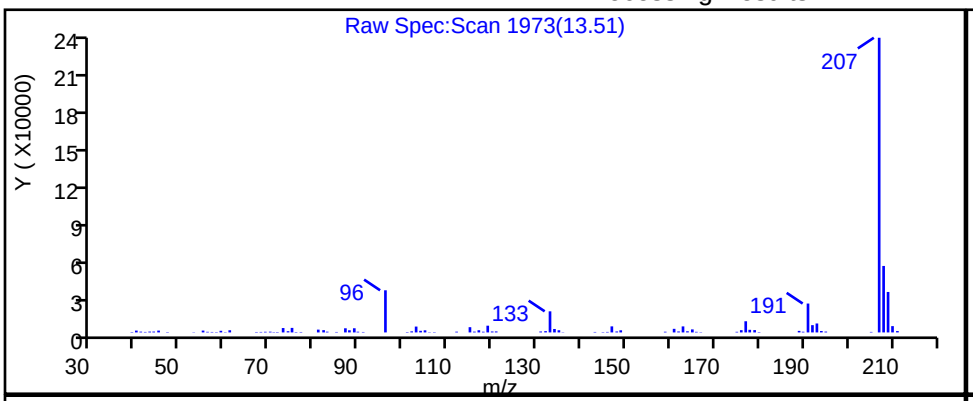
User Disabled Compound Report

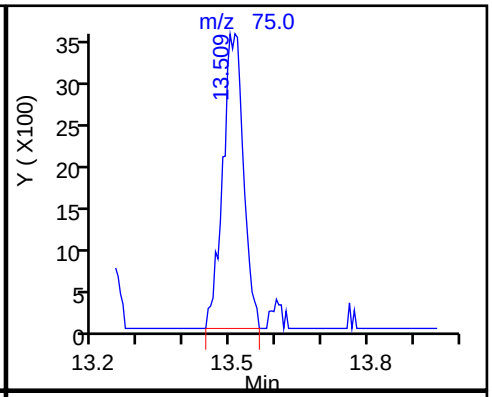
TestAmerica Burlington

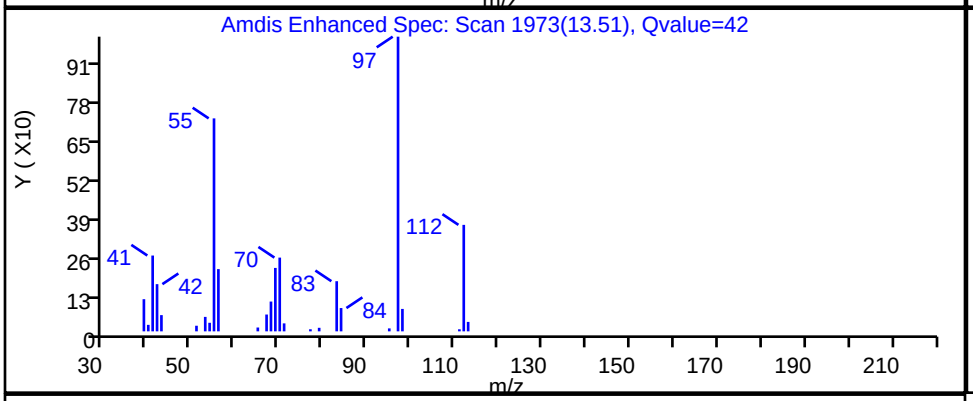
Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-19.D				
Injection Date:	17-Apr-2018 01:39:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-3	Lab Sample ID:	200-43091-3		
Client ID:	SV003				
Operator ID:	pad	ALS Bottle#:	19	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

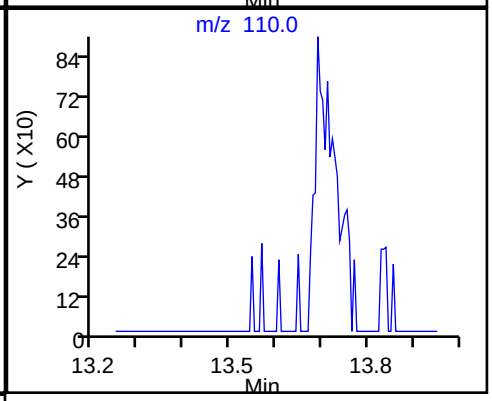
66 trans-1,3-Dichloropropene, CAS: 10061-02-6

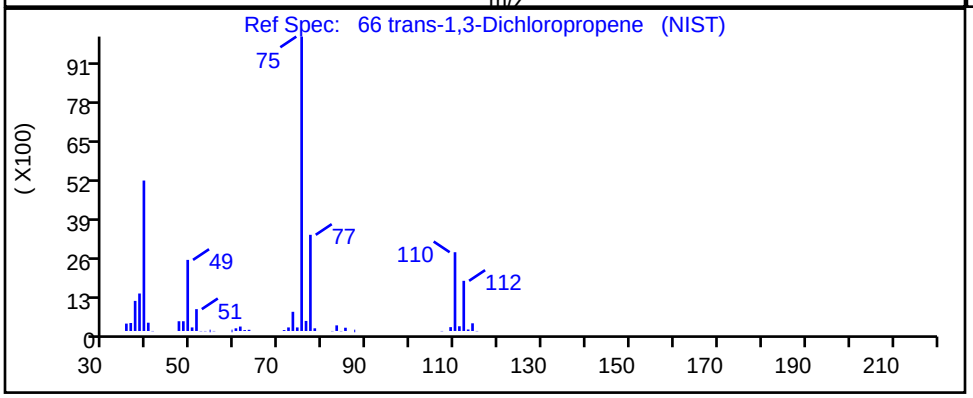
Processing Results











RT	Mass	Response	Amount
13.51	75.00	11183	0.122438
13.61	110.00	0	

Reviewer: phamvu, 17-Apr-2018 15:16:17

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

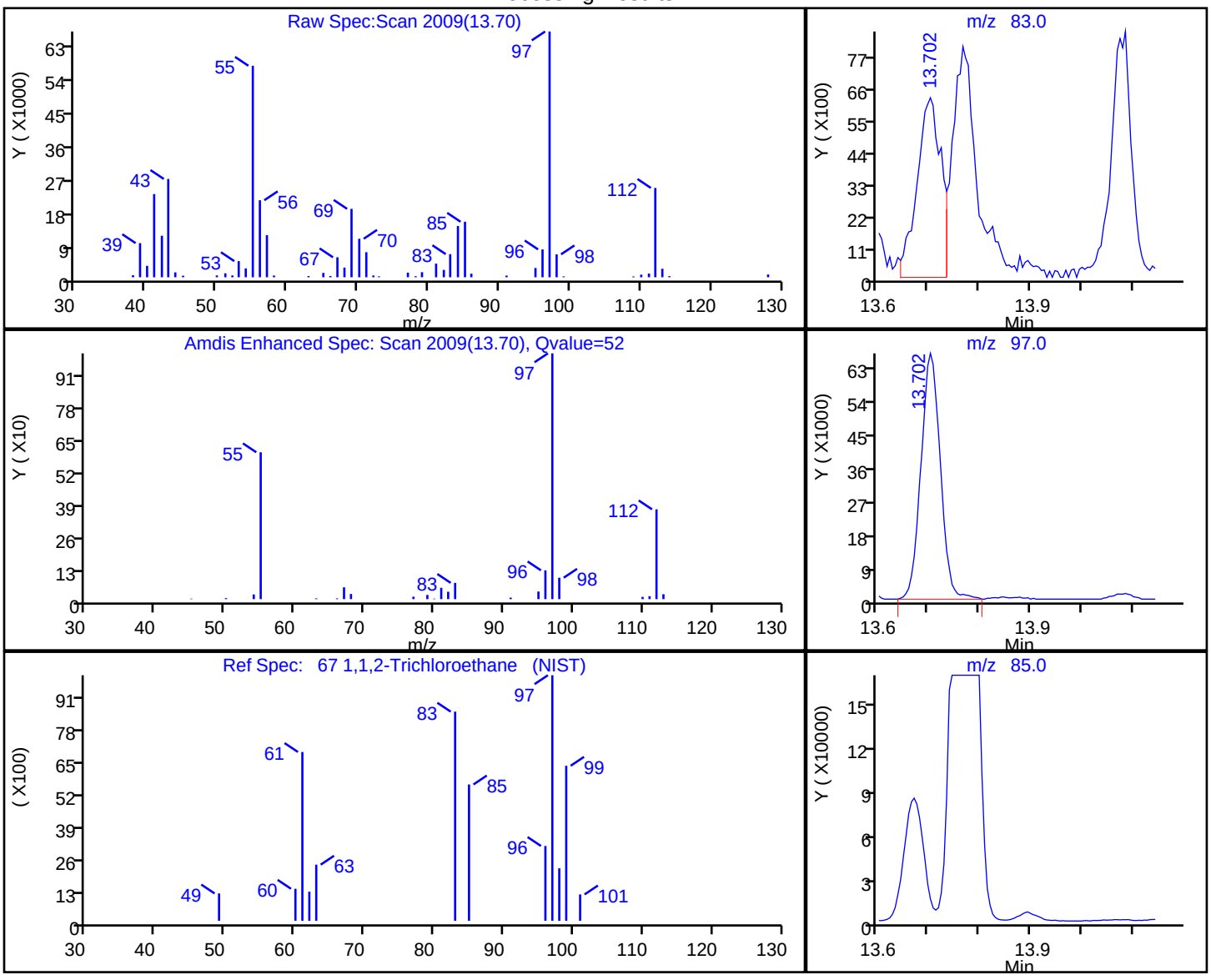
User Disabled Compound Report

TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-19.D				
Injection Date:	17-Apr-2018 01:39:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-3	Lab Sample ID:	200-43091-3		
Client ID:	SV003				
Operator ID:	pad	ALS Bottle#:	19	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

67 1,1,2-Trichloroethane, CAS: 79-00-5

Processing Results



RT	Mass	Response	Amount
13.70	83.00	20533	0.322764
13.70	97.00	175636	
13.67	85.00	225150	

Reviewer: phamvu, 17-Apr-2018 15:16:17

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

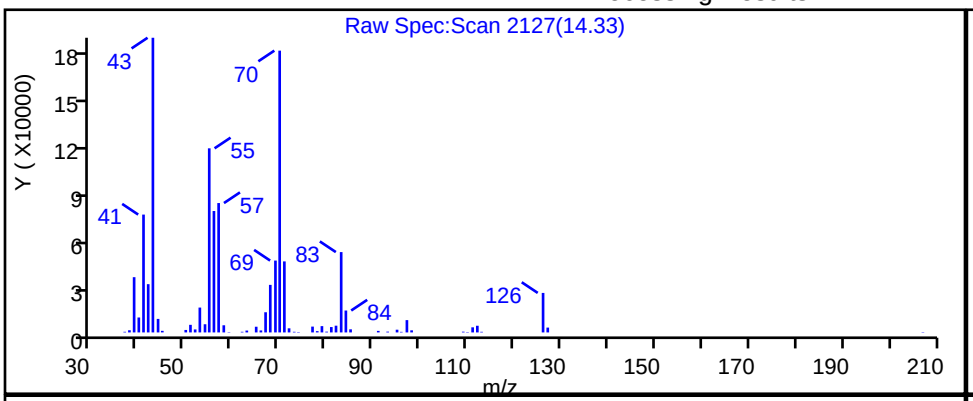
User Disabled Compound Report

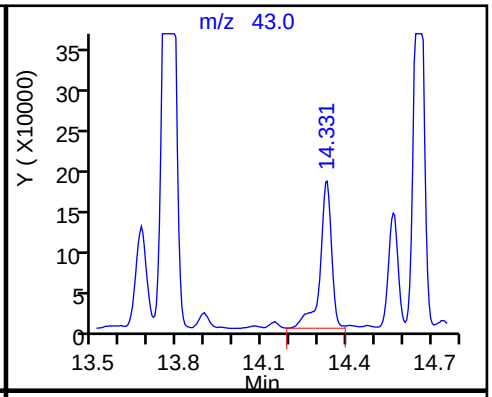
TestAmerica Burlington

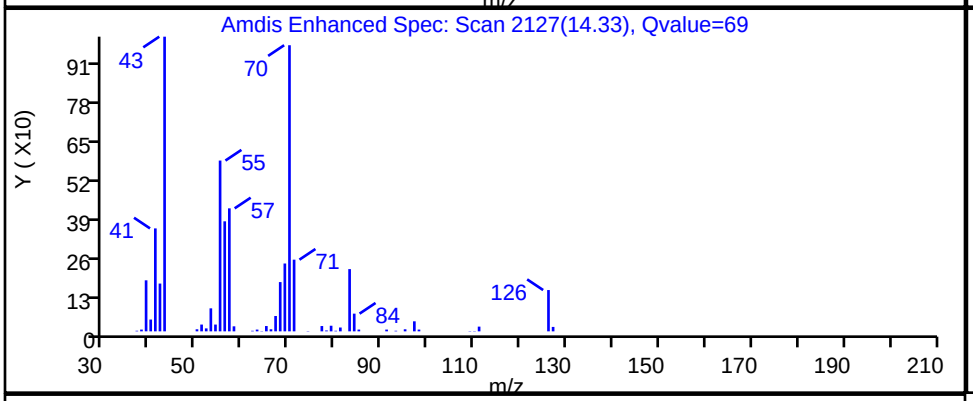
Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-19.D				
Injection Date:	17-Apr-2018 01:39:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-3	Lab Sample ID:	200-43091-3		
Client ID:	SV003				
Operator ID:	pad	ALS Bottle#:	19	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

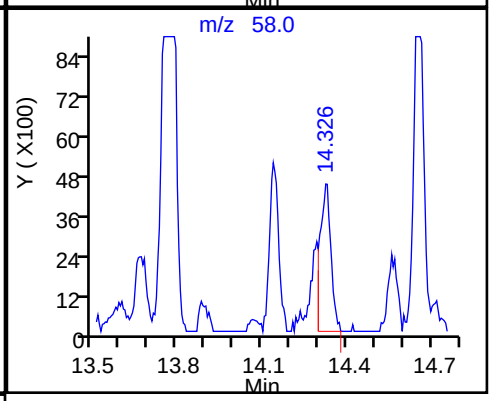
69 2-Hexanone, CAS: 591-78-6

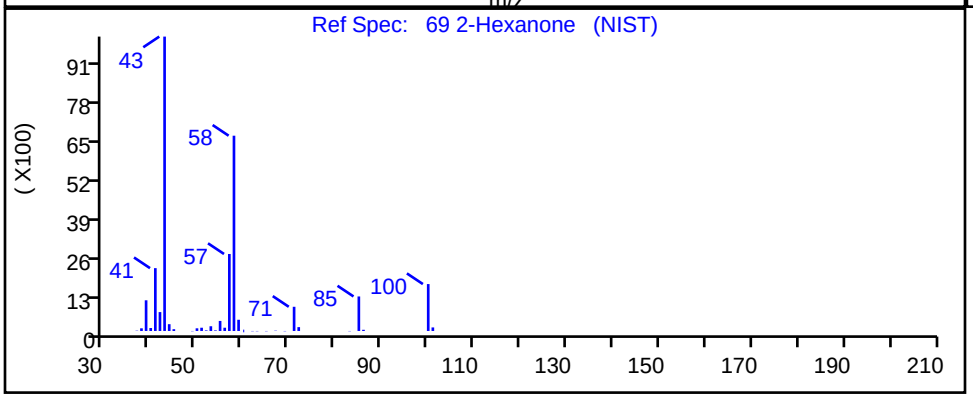
Processing Results











RT	Mass	Response	Amount
14.33	43.00	525979	4.844874
14.33	58.00	11697	

Reviewer: phamvu, 17-Apr-2018 15:16:17

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

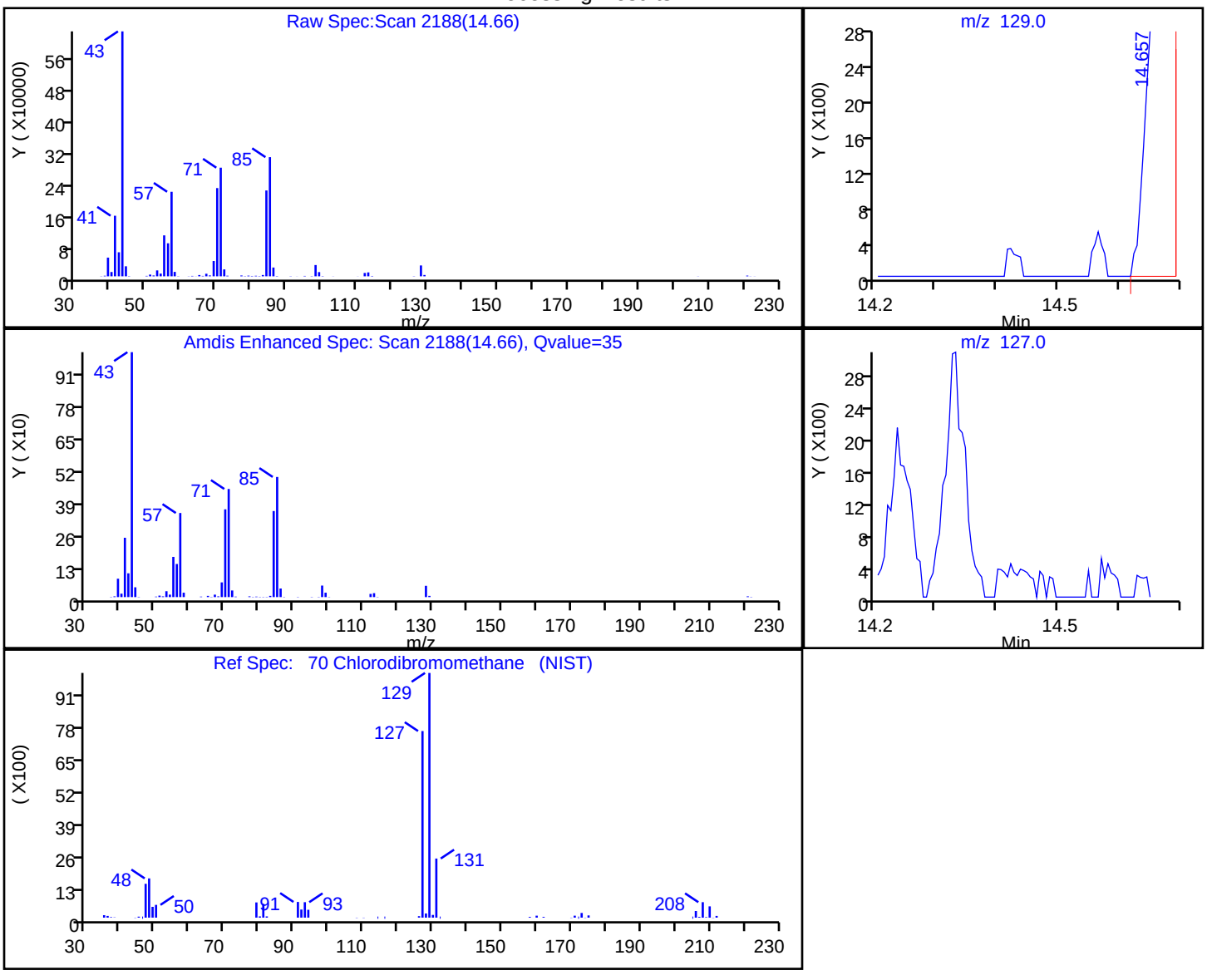
User Disabled Compound Report

TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-19.D				
Injection Date:	17-Apr-2018 01:39:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-3	Lab Sample ID:	200-43091-3		
Client ID:	SV003				
Operator ID:	pad	ALS Bottle#:	19	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

70 Chlorodibromomethane, CAS: 124-48-1

Processing Results



RT	Mass	Response	Amount
14.66	129.00	6848	0.060427
14.43	127.00	0	

Reviewer: phamvu, 17-Apr-2018 15:16:17

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

TestAmerica Burlington

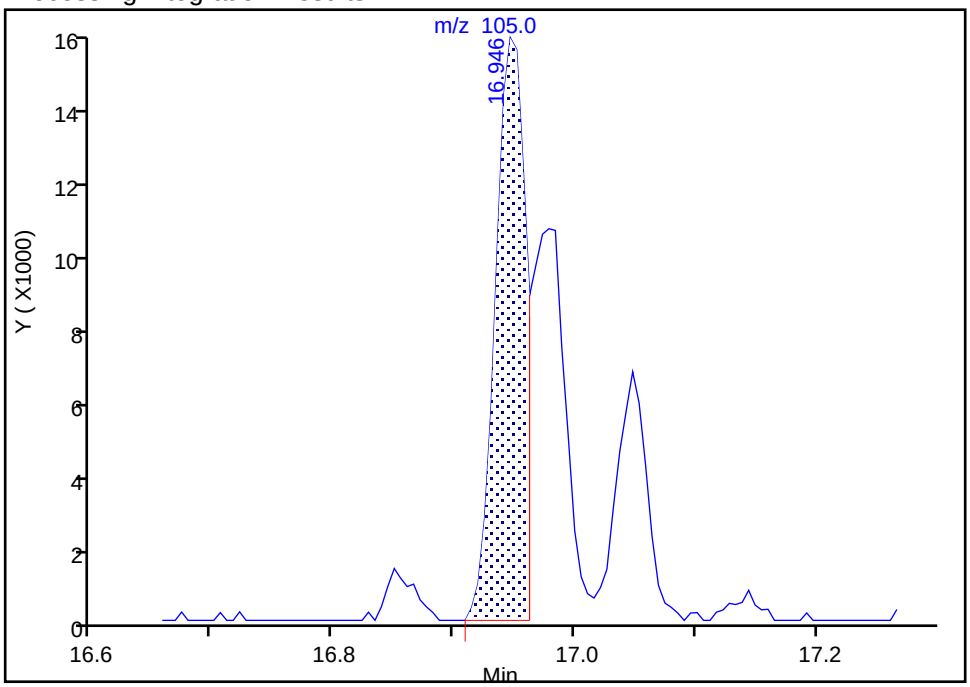
Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-19.D				
Injection Date:	17-Apr-2018 01:39:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-3	Lab Sample ID:	200-43091-3		
Client ID:	SV003				
Operator ID:	pad	ALS Bottle#:	19	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

87 4-Ethyltoluene, CAS: 622-96-8

Signal: 1

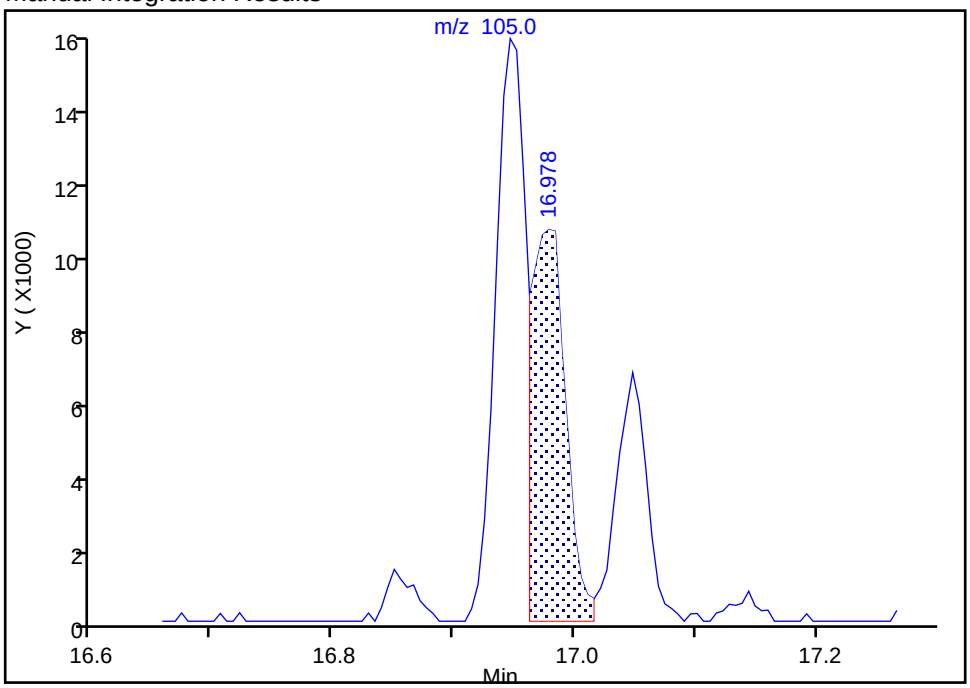
Processing Integration Results

RT: 16.95
Area: 27925
Amount: 0.099230
Amount Units: ppb v/v



Manual Integration Results

RT: 16.98
Area: 21739
Amount: 0.077248
Amount Units: ppb v/v



Reviewer: phamvu, 17-Apr-2018 15:15:43

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

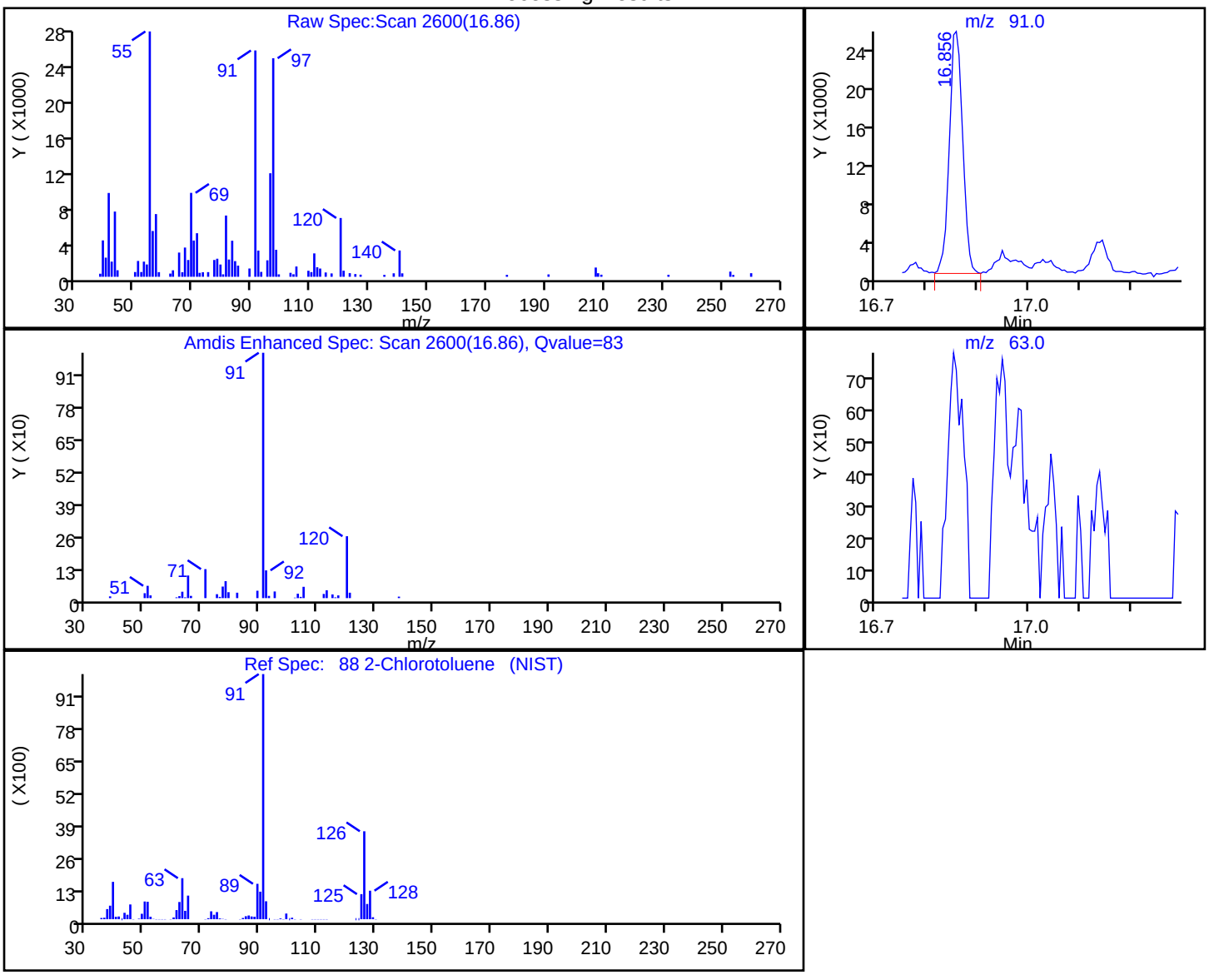
User Disabled Compound Report

TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-19.D				
Injection Date:	17-Apr-2018 01:39:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-3	Lab Sample ID:	200-43091-3		
Client ID:	SV003				
Operator ID:	pad	ALS Bottle#:	19	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

88 2-Chlorotoluene, CAS: 95-49-8

Processing Results



RT	Mass	Response	Amount
16.86	91.00	45381	0.193424
17.02	63.00	0	

Reviewer: phamvu, 17-Apr-2018 15:16:17

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

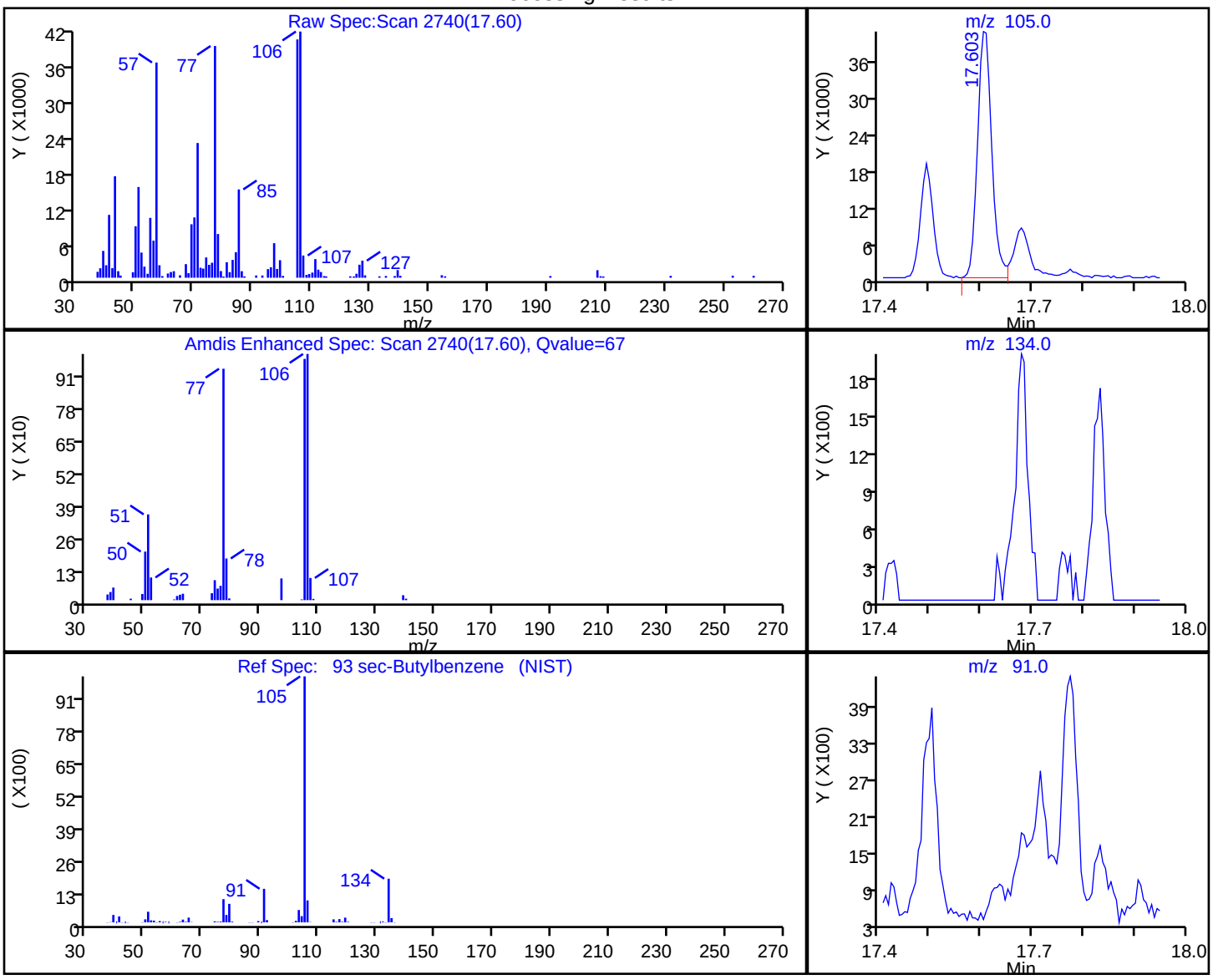
User Disabled Compound Report

TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-19.D				
Injection Date:	17-Apr-2018 01:39:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-3	Lab Sample ID:	200-43091-3		
Client ID:	SV003				
Operator ID:	pad	ALS Bottle#:	19	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

93 sec-Butylbenzene, CAS: 135-98-8

Processing Results



RT	Mass	Response	Amount
17.60	105.00	78520	0.228801
17.68	134.00	0	
17.68	91.00	0	

Reviewer: phamvu, 17-Apr-2018 15:16:17

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

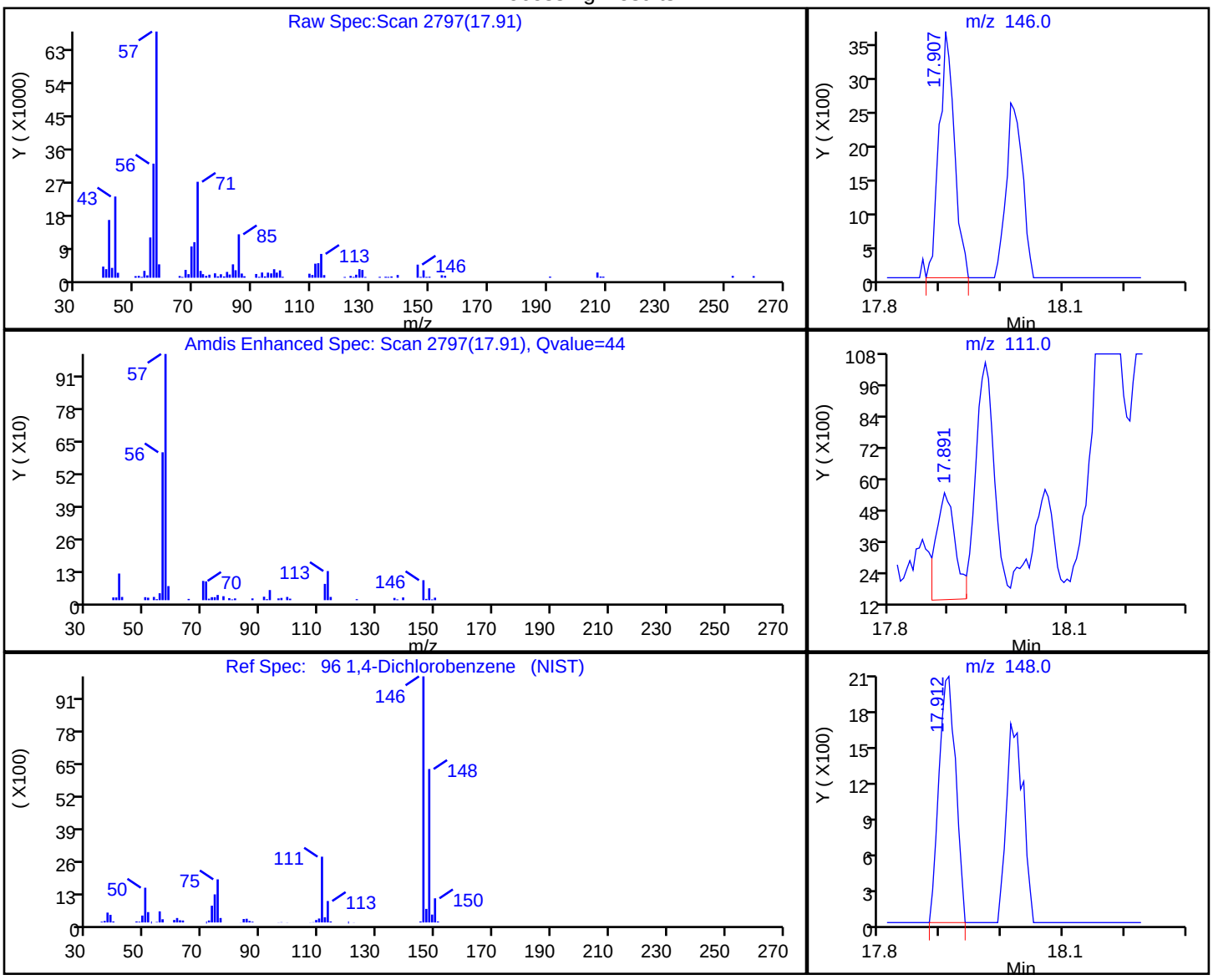
User Disabled Compound Report

TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-19.D				
Injection Date:	17-Apr-2018 01:39:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-3	Lab Sample ID:	200-43091-3		
Client ID:	SV003				
Operator ID:	pad	ALS Bottle#:	19	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

96 1,4-Dichlorobenzene, CAS: 106-46-7

Processing Results



RT	Mass	Response	Amount
17.91	146.00	6228	0.035958
17.89	111.00	9283	
17.91	148.00	3932	

Reviewer: phamvu, 17-Apr-2018 15:16:17

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-43091-1

SDG No.: 200-43091-1

Client Sample ID: SV004 | Lab Sample ID: 200-43091-4

Matrix: Air | Lab File ID: 30131_15.D

Analysis Method: TO-15 | Date Collected: 04/13/2018 11:25

Sample wt/vol: 100(mL) | Date Analyzed: 04/17/2018 20:55

Soil Aliquot Vol: | Dilution Factor: 2

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 128526 | Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	0.51	J	1.0	0.40
75-45-6	Chlorodifluoromethane	86.47	1.0	U	1.0	0.52
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.40	U	0.40	0.14
74-87-3	Chloromethane	50.49	0.66	J	1.0	0.50
106-97-8	n-Butane	58.12	4.4		1.0	0.62
75-01-4	Vinyl chloride	62.50	0.070	U	0.070	0.082
106-99-0	1,3-Butadiene	54.09	0.40	U	0.40	0.13
74-83-9	Bromomethane	94.94	0.40	U	0.40	0.12
75-00-3	Chloroethane	64.52	1.0	U	1.0	0.42
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.40	U	0.40	0.11
75-69-4	Trichlorofluoromethane	137.37	0.23	J	0.40	0.12
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	0.40	U	0.40	0.062
75-35-4	1,1-Dichloroethene	96.94	0.070	U	0.070	0.068
67-64-1	Acetone	58.08	28		10	5.2
67-63-0	Isopropyl alcohol	60.10	10	U	10	3.6
75-15-0	Carbon disulfide	76.14	1.0	U	1.0	0.24
107-05-1	3-Chloropropene	76.53	1.0	U	1.0	0.54
75-09-2	Methylene Chloride	84.93	4.1		1.0	0.40
75-65-0	tert-Butyl alcohol	74.12	52		10	3.0
1634-04-4	Methyl tert-butyl ether	88.15	0.40	U	0.40	0.12
156-60-5	trans-1,2-Dichloroethene	96.94	0.40	U	0.40	0.15
110-54-3	n-Hexane	86.17	1.1		0.40	0.32
75-34-3	1,1-Dichloroethane	98.96	0.40	U	0.40	0.052
78-93-3	Methyl Ethyl Ketone (2-Butanone)	72.11	4.9		1.0	0.40
156-59-2	cis-1,2-Dichloroethene	96.94	0.070	U	0.070	0.074
67-66-3	Chloroform	119.38	0.40	U	0.40	0.10
109-99-9	Tetrahydrofuran	72.11	10	U	10	5.2
71-55-6	1,1,1-Trichloroethane	133.41	0.40	U	0.40	0.14
110-82-7	Cyclohexane	84.16	5.6		0.40	0.13
56-23-5	Carbon tetrachloride	153.81	0.070		0.070	0.048
540-84-1	2,2,4-Trimethylpentane	114.23	0.40	U	0.40	0.18
71-43-2	Benzene	78.11	0.48		0.40	0.14
107-06-2	1,2-Dichloroethane	98.96	0.40	U	0.40	0.13

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-43091-1

SDG No.: 200-43091-1

Client Sample ID: SV004 | Lab Sample ID: 200-43091-4

Matrix: Air | Lab File ID: 30131_15.D

Analysis Method: TO-15 | Date Collected: 04/13/2018 11:25

Sample wt/vol: 100(mL) | Date Analyzed: 04/17/2018 20:55

Soil Aliquot Vol: | Dilution Factor: 2

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 128526 | Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
142-82-5	n-Heptane	100.21	0.76		0.40	0.28
79-01-6	Trichloroethene	131.39	0.070	U	0.070	0.060
80-62-6	Methyl methacrylate	100.12	1.0	U	1.0	0.44
78-87-5	1,2-Dichloropropane	112.99	0.40	U	0.40	0.24
123-91-1	1,4-Dioxane	88.11	10	U	10	2.6
75-27-4	Bromodichloromethane	163.83	0.40	U	0.40	0.19
10061-01-5	cis-1,3-Dichloropropene	110.97	0.40	U	0.40	0.20
108-10-1	4-Methyl-2-pentanone (Methyl isobutyl ketone)	100.16	1.0	U	1.0	0.72
108-88-3	Toluene	92.14	2.2		0.40	0.14
10061-02-6	trans-1,3-Dichloropropene	110.97	0.40	U	0.40	0.24
79-00-5	1,1,2-Trichloroethane	133.41	0.40	U	0.40	0.16
127-18-4	Tetrachloroethene	165.83	0.10	J	0.40	0.058
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	1.0	U	1.0	0.84
124-48-1	Dibromochloromethane	208.29	0.40	U	0.40	0.14
106-93-4	1,2-Dibromoethane	187.87	0.40	U	0.40	0.14
108-90-7	Chlorobenzene	112.56	0.40	U	0.40	0.080
100-41-4	Ethylbenzene	106.17	1.1		0.40	0.15
179601-23-1	m,p-Xylene	106.17	3.9		1.0	0.14
95-47-6	o-Xylene	106.17	1.4		0.40	0.14
100-42-5	Styrene	104.15	3.2		0.40	0.17
75-25-2	Bromoform	252.75	0.40	U	0.40	0.17
98-82-8	Cumene	120.19	0.40	U	0.40	0.12
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.40	U	0.40	0.15
103-65-1	n-Propylbenzene	120.19	0.40	U	0.40	0.14
622-96-8	4-Ethyltoluene	120.20	0.40	U	0.40	0.14
108-67-8	1,3,5-Trimethylbenzene	120.20	0.40	U	0.40	0.12
95-49-8	2-Chlorotoluene	126.59	0.40	U	0.40	0.14
98-06-6	tert-Butylbenzene	134.22	0.40	U	0.40	0.12
95-63-6	1,2,4-Trimethylbenzene	120.20	0.40	U	0.40	0.16
135-98-8	sec-Butylbenzene	134.22	0.40	U	0.40	0.13
99-87-6	4-Isopropyltoluene	134.22	0.40	U	0.40	0.15
541-73-1	1,3-Dichlorobenzene	147.00	0.40	U	0.40	0.16
106-46-7	1,4-Dichlorobenzene	147.00	0.40	U	0.40	0.13

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-43091-1

SDG No.: 200-43091-1

Client Sample ID: SV004 Lab Sample ID: 200-43091-4

Matrix: Air Lab File ID: 30131_15.D

Analysis Method: TO-15 Date Collected: 04/13/2018 11:25

Sample wt/vol: 100(mL) Date Analyzed: 04/17/2018 20:55

Soil Aliquot Vol: Dilution Factor: 2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 128526 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
100-44-7	Benzyl chloride	126.58	0.40	U	0.40	0.24
104-51-8	n-Butylbenzene	134.22	0.40	U	0.40	0.16
95-50-1	1,2-Dichlorobenzene	147.00	0.40	U	0.40	0.14
120-82-1	1,2,4-Trichlorobenzene	181.45	1.0	U	1.0	0.48
87-68-3	Hexachlorobutadiene	260.76	0.40	U	0.40	0.16
91-20-3	Naphthalene	128.17	1.0	U	1.0	0.62

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-43091-1

SDG No.: 200-43091-1

Client Sample ID: SV004 | Lab Sample ID: 200-43091-4

Matrix: Air | Lab File ID: 30131_15.D

Analysis Method: TO-15 | Date Collected: 04/13/2018 11:25

Sample wt/vol: 100(mL) | Date Analyzed: 04/17/2018 20:55

Soil Aliquot Vol: | Dilution Factor: 2

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 128526 | Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	2.5	J	4.9	2.0
75-45-6	Chlorodifluoromethane	86.47	3.5	U	3.5	1.8
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	2.8	U	2.8	0.95
74-87-3	Chloromethane	50.49	1.4	J	2.1	1.0
106-97-8	n-Butane	58.12	11		2.4	1.5
75-01-4	Vinyl chloride	62.50	0.18	U	0.18	0.21
106-99-0	1,3-Butadiene	54.09	0.88	U	0.88	0.29
74-83-9	Bromomethane	94.94	1.6	U	1.6	0.48
75-00-3	Chloroethane	64.52	2.6	U	2.6	1.1
593-60-2	Bromoethene(Vinyl Bromide)	106.96	1.7	U	1.7	0.49
75-69-4	Trichlorofluoromethane	137.37	1.3	J	2.2	0.70
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	3.1	U	3.1	0.48
75-35-4	1,1-Dichloroethene	96.94	0.28	U	0.28	0.27
67-64-1	Acetone	58.08	65		24	12
67-63-0	Isopropyl alcohol	60.10	25	U	25	8.8
75-15-0	Carbon disulfide	76.14	3.1	U	3.1	0.75
107-05-1	3-Chloropropene	76.53	3.1	U	3.1	1.7
75-09-2	Methylene Chloride	84.93	14		3.5	1.4
75-65-0	tert-Butyl alcohol	74.12	160		30	9.1
1634-04-4	Methyl tert-butyl ether	88.15	1.4	U	1.4	0.44
156-60-5	trans-1,2-Dichloroethene	96.94	1.6	U	1.6	0.59
110-54-3	n-Hexane	86.17	3.9		1.4	1.1
75-34-3	1,1-Dichloroethane	98.96	1.6	U	1.6	0.21
78-93-3	Methyl Ethyl Ketone (2-Butanone)	72.11	14		2.9	1.2
156-59-2	cis-1,2-Dichloroethene	96.94	0.28	U	0.28	0.29
67-66-3	Chloroform	119.38	2.0	U	2.0	0.51
109-99-9	Tetrahydrofuran	72.11	29	U	29	15
71-55-6	1,1,1-Trichloroethane	133.41	2.2	U	2.2	0.74
110-82-7	Cyclohexane	84.16	19		1.4	0.43
56-23-5	Carbon tetrachloride	153.81	0.44		0.44	0.30
540-84-1	2,2,4-Trimethylpentane	114.23	1.9	U	1.9	0.82
71-43-2	Benzene	78.11	1.5		1.3	0.45
107-06-2	1,2-Dichloroethane	98.96	1.6	U	1.6	0.51

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-43091-1

SDG No.: 200-43091-1

Client Sample ID: SV004 | Lab Sample ID: 200-43091-4

Matrix: Air | Lab File ID: 30131_15.D

Analysis Method: TO-15 | Date Collected: 04/13/2018 11:25

Sample wt/vol: 100(mL) | Date Analyzed: 04/17/2018 20:55

Soil Aliquot Vol: | Dilution Factor: 2

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 128526 | Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
142-82-5	n-Heptane	100.21	3.1		1.6	1.1
79-01-6	Trichloroethene	131.39	0.38	U	0.38	0.32
80-62-6	Methyl methacrylate	100.12	4.1	U	4.1	1.8
78-87-5	1,2-Dichloropropane	112.99	1.8	U	1.8	1.1
123-91-1	1,4-Dioxane	88.11	36	U	36	9.4
75-27-4	Bromodichloromethane	163.83	2.7	U	2.7	1.3
10061-01-5	cis-1,3-Dichloropropene	110.97	1.8	U	1.8	0.89
108-10-1	4-Methyl-2-pentanone (Methyl isobutyl ketone)	100.16	4.1	U	4.1	2.9
108-88-3	Toluene	92.14	8.5		1.5	0.52
10061-02-6	trans-1,3-Dichloropropene	110.97	1.8	U	1.8	1.1
79-00-5	1,1,2-Trichloroethane	133.41	2.2	U	2.2	0.85
127-18-4	Tetrachloroethene	165.83	0.69	J	2.7	0.39
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	4.1	U	4.1	3.4
124-48-1	Dibromochloromethane	208.29	3.4	U	3.4	1.2
106-93-4	1,2-Dibromoethane	187.87	3.1	U	3.1	1.1
108-90-7	Chlorobenzene	112.56	1.8	U	1.8	0.37
100-41-4	Ethylbenzene	106.17	4.7		1.7	0.63
179601-23-1	m,p-Xylene	106.17	17		4.3	0.61
95-47-6	o-Xylene	106.17	6.2		1.7	0.62
100-42-5	Styrene	104.15	14		1.7	0.73
75-25-2	Bromoform	252.75	4.1	U	4.1	1.8
98-82-8	Cumene	120.19	2.0	U	2.0	0.58
79-34-5	1,1,2,2-Tetrachloroethane	167.85	2.7	U	2.7	1.0
103-65-1	n-Propylbenzene	120.19	2.0	U	2.0	0.68
622-96-8	4-Ethyltoluene	120.20	2.0	U	2.0	0.68
108-67-8	1,3,5-Trimethylbenzene	120.20	2.0	U	2.0	0.57
95-49-8	2-Chlorotoluene	126.59	2.1	U	2.1	0.74
98-06-6	tert-Butylbenzene	134.22	2.2	U	2.2	0.64
95-63-6	1,2,4-Trimethylbenzene	120.20	2.0	U	2.0	0.79
135-98-8	sec-Butylbenzene	134.22	2.2	U	2.2	0.72
99-87-6	4-Isopropyltoluene	134.22	2.2	U	2.2	0.82
541-73-1	1,3-Dichlorobenzene	147.00	2.4	U	2.4	0.99
106-46-7	1,4-Dichlorobenzene	147.00	2.4	U	2.4	0.78

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-43091-1

SDG No.: 200-43091-1

Client Sample ID: SV004 Lab Sample ID: 200-43091-4

Matrix: Air Lab File ID: 30131_15.D

Analysis Method: TO-15 Date Collected: 04/13/2018 11:25

Sample wt/vol: 100(mL) Date Analyzed: 04/17/2018 20:55

Soil Aliquot Vol: Dilution Factor: 2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 128526 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
100-44-7	Benzyl chloride	126.58	2.1	U	2.1	1.2
104-51-8	n-Butylbenzene	134.22	2.2	U	2.2	0.88
95-50-1	1,2-Dichlorobenzene	147.00	2.4	U	2.4	0.85
120-82-1	1,2,4-Trichlorobenzene	181.45	7.4	U	7.4	3.6
87-68-3	Hexachlorobutadiene	260.76	4.3	U	4.3	1.7
91-20-3	Naphthalene	128.17	5.2	U	5.2	3.3

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180417-30131.b\30131_15.D
Lims ID: 200-43091-A-4
Client ID: SV004
Sample Type: Client
Inject. Date: 17-Apr-2018 20:55:30 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 200.000 mL Dil. Factor: 2.0000
Sample Info: 200-0030131-015
Operator ID: PAD Instrument ID: CHX.i

Method: \\ChromNA\Burlington\ChromData\CHX.i\20180417-30131.b\TO15_MasterMethod_X.m.m
Limit Group: AI_TO15_ICAL
Last Update: 18-Apr-2018 14:48:20 Calib Date: 12-Apr-2018 23:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHX.i\20180412-30075.b\30075_11.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK030

First Level Reviewer: bunmaa Date: 18-Apr-2018 14:48:20

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	3.108	3.106	0.000	97	9063	0.2526	
3 Chlorodifluoromethane	51	3.156	3.155	0.000	97	3668	0.1881	
4 1,2-Dichloro-1,1,2,2-tetra	85		3.354				ND	U
5 Chloromethane	50	3.493	3.486	0.005	99	3617	0.3279	
6 Butane	43	3.670	3.663	0.006	89	42484	2.22	
7 Vinyl chloride	62		3.713				ND	
8 Butadiene	54		3.782				ND	U
10 Bromomethane	94		4.413				ND	
11 Chloroethane	64		4.633				ND	
13 Vinyl bromide	106		4.997				ND	
14 Trichlorofluoromethane	101	5.087	5.082	-0.001	95	4546	0.1164	
20 1,1,2-Trichloro-1,2,2-trif	101		6.109				ND	MU
21 1,1-Dichloroethene	96		6.163				ND	
22 Acetone	43	6.403	6.441	-0.001	99	279473	13.8	
23 Carbon disulfide	76		6.548				ND	
24 Isopropyl alcohol	45	6.692	6.741	0.010	100	24504	1.19	
25 3-Chloro-1-propene	41		6.928				ND	
27 Methylene Chloride	49	7.222	7.233	-0.005	96	27695	2.04	
28 2-Methyl-2-propanol	59	7.447	7.521	-0.005	95	720277	25.9	
29 Methyl tert-butyl ether	73		7.623				ND	
31 trans-1,2-Dichloroethene	61		7.661				ND	U
33 Hexane	57	8.035	8.030	0.005	91	10171	0.5464	
34 1,1-Dichloroethane	63		8.543				ND	
37 cis-1,2-Dichloroethene	96		9.678				ND	
38 2-Butanone (MEK)	72	9.742	9.758	0.006	99	17905	2.43	
* 40 Chlorobromomethane	128	10.159	10.164	-0.005	92	163779	10.0	
41 Tetrahydrofuran	42	10.196	10.196	0.021	44	7975	0.5029	
42 Chloroform	83		10.298				ND	U
43 Cyclohexane	84	10.539	10.539	0.000	96	58844	2.81	
44 1,1,1-Trichloroethane	97		10.576				ND	
45 Carbon tetrachloride	117	10.828	10.849	-0.010	24	1281	0.0348	
46 Isooctane	57	11.282	11.282	0.000	58	3688	0.0475	M

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
47 Benzene	78	11.325	11.325	-0.011	91	11987	0.2383	
48 1,2-Dichloroethane	62		11.539				ND	
49 n-Heptane	43	11.700	11.700	0.000	96	11236	0.3818	M
* 50 1,4-Difluorobenzene	114	12.235	12.235	0.000	94	856651	10.0	
53 Trichloroethene	95		12.727				ND	
54 1,2-Dichloropropane	63		13.326				ND	
55 Methyl methacrylate	69		13.508				ND	
56 1,4-Dioxane	88		13.567				ND	
58 Dichlorobromomethane	83		13.909				ND	MUa
60 cis-1,3-Dichloropropene	75		14.894				ND	
61 4-Methyl-2-pentanone (MIBK	43	15.209	15.209	0.005	1	6203	0.1493	Ma
65 Toluene	92	15.498	15.498	0.000	94	50478	1.12	
66 trans-1,3-Dichloropropene	75		16.145				ND	U
67 1,1,2-Trichloroethane	83		16.541				ND	U
68 Tetrachloroethene	166	16.621	16.621	-0.011	50	2345	0.0510	M
69 2-Hexanone	43	17.033	17.033	0.010	68	9530	0.2134	M
71 Chlorodibromomethane	129		17.338				ND	
72 Ethylene Dibromide	107		17.622				ND	
* 74 Chlorobenzene-d5	117	18.563	18.569	-0.006	86	875902	10.0	
75 Chlorobenzene	112		18.628				ND	U
76 Ethylbenzene	91	18.793	18.793	0.005	99	54561	0.5411	
78 m-Xylene & p-Xylene	106	19.050	19.056	-0.011	0	80282	1.94	
79 o-Xylene	106	19.943	19.960	-0.011	98	29327	0.7123	
80 Styrene	104	20.013	20.018	0.000	98	102299	1.62	
81 Bromoform	173		20.484				ND	
82 Isopropylbenzene	105	20.708	20.703	-0.006	95	6549	0.0552	
84 1,1,2,2-Tetrachloroethane	83		21.442				ND	
85 N-Propylbenzene	91	21.495	21.494	-0.005	74	4822	0.0343	
88 4-Ethyltoluene	105	21.704	21.704	-0.005	97	2927	0.0246	Ma
89 2-Chlorotoluene	91		21.714				ND	MU
90 1,3,5-Trimethylbenzene	105	21.832	21.832	0.005	83	1718	0.0175	Ma
92 tert-Butylbenzene	119		22.346				ND	
93 1,2,4-Trimethylbenzene	105	22.436	22.447	-0.011	71	5815	0.0595	
94 sec-Butylbenzene	105	22.699	22.699	0.011	65	1912	0.0135	Ma
95 4-Isopropyltoluene	119	22.902	22.895	0.000	1	1926	0.0158	
96 1,3-Dichlorobenzene	146	22.929	22.929	0.000	1	767	0.0102	
97 1,4-Dichlorobenzene	146	23.073	23.062	0.000	1	729	0.009503	
98 Benzyl chloride	91		23.287				ND	U
100 n-Butylbenzene	91		23.501				ND	Ua
101 1,2-Dichlorobenzene	146		23.624				ND	
103 1,2,4-Trichlorobenzene	180		26.187				ND	Ua
104 Hexachlorobutadiene	225	26.363	26.363	-0.011	1	962	0.0175	7a
105 Naphthalene	128	26.689	26.689	0.005	14	3504	0.0318	M

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags
M - Manually Integrated
U - Marked Undetected
a - User Assigned ID

Reagents:

ATTO15XISs_00002 Amount Added: 20.00 Units: mL Run Reagent

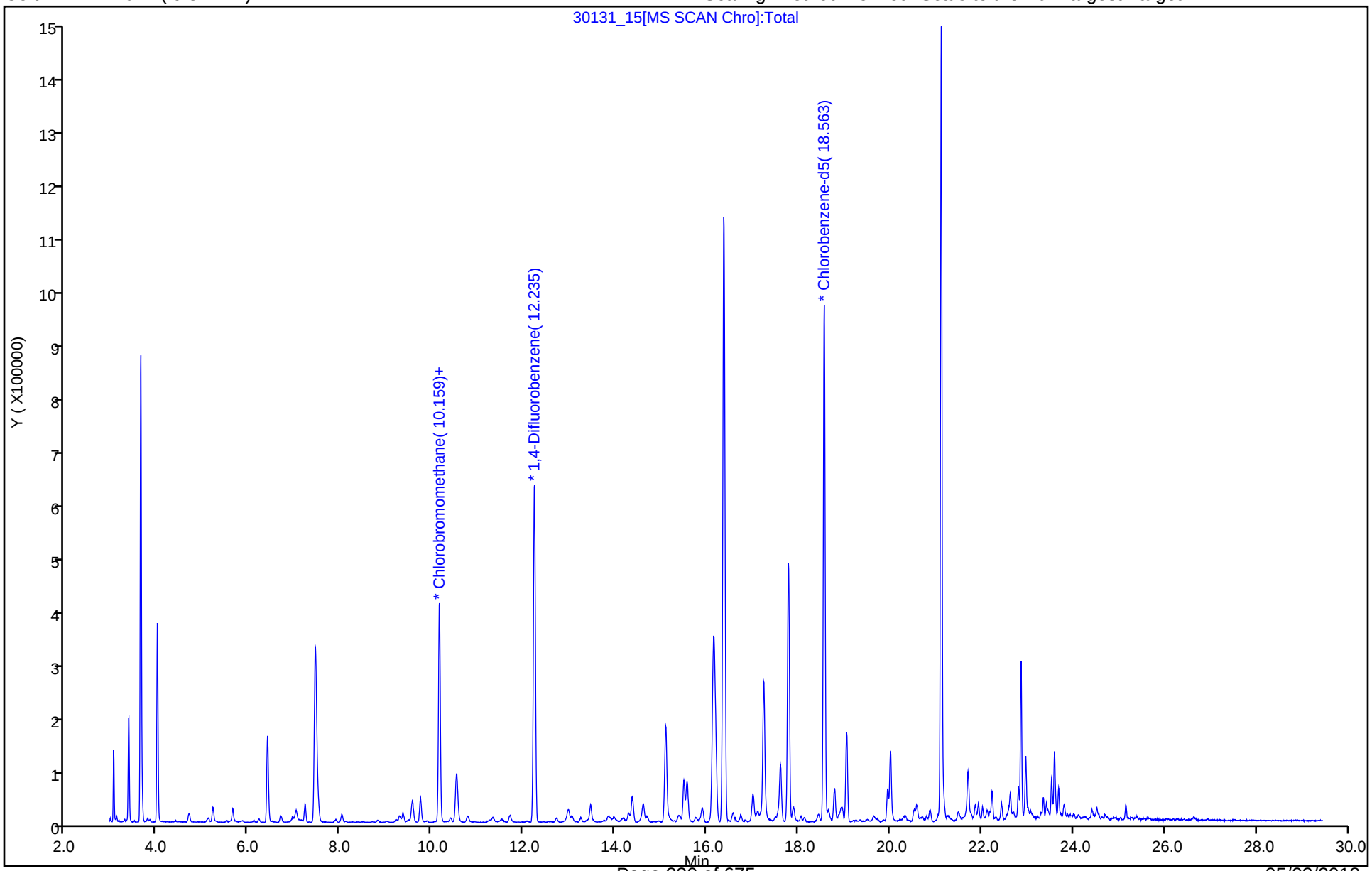
Report Date: 18-Apr-2018 14:48:21 Chrom Revision: 2.2 13-Mar-2018 08:45:20

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180417-30131.b\30131_15.D

Injection Date:	17-Apr-2018 20:55:30	Instrument ID:	CHX.i	Operator ID:	PAD
Lims ID:	200-43091-A-4	Lab Sample ID:	200-43091-4	Worklist Smp#:	15
Client ID:	SV004				
Purge Vol:	200.000 mL	Dil. Factor:	2.0000	ALS Bottle#:	14
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



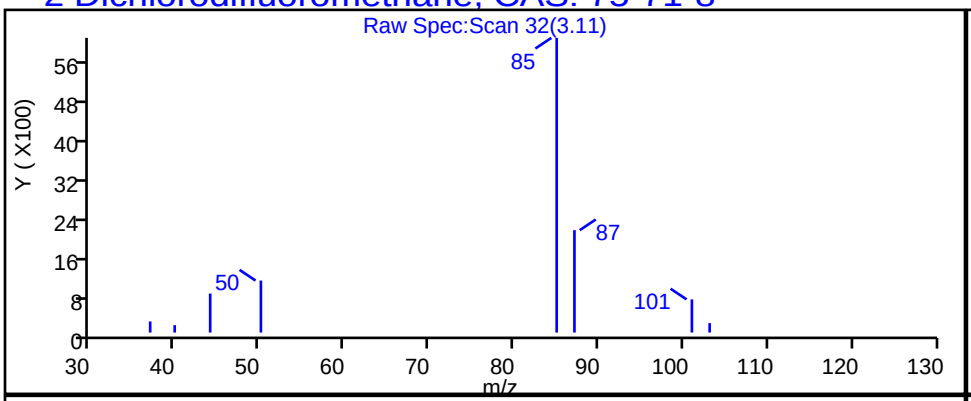
Report Date: 18-Apr-2018 14:48:21 Chrom Revision: 2.2 13-Mar-2018 08:45:20

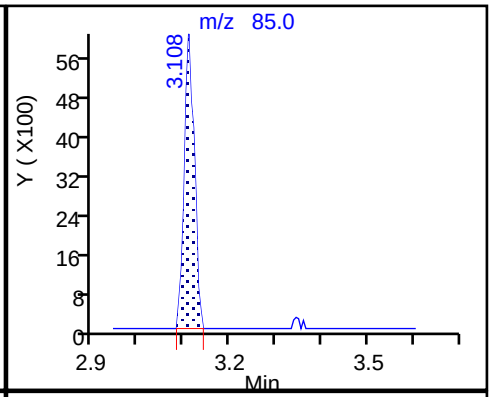
TestAmerica Burlington

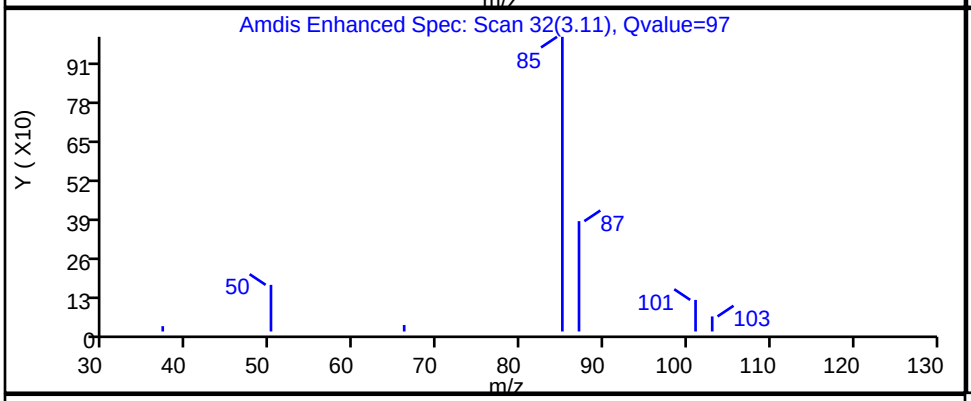
Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180417-30131.b\30131_15.D

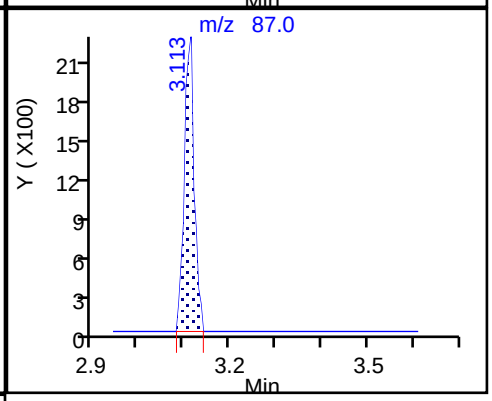
Injection Date:	17-Apr-2018 20:55:30	Instrument ID:	CHX.i		
Lims ID:	200-43091-A-4	Lab Sample ID:	200-43091-4		
Client ID:	SV004				
Operator ID:	PAD	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

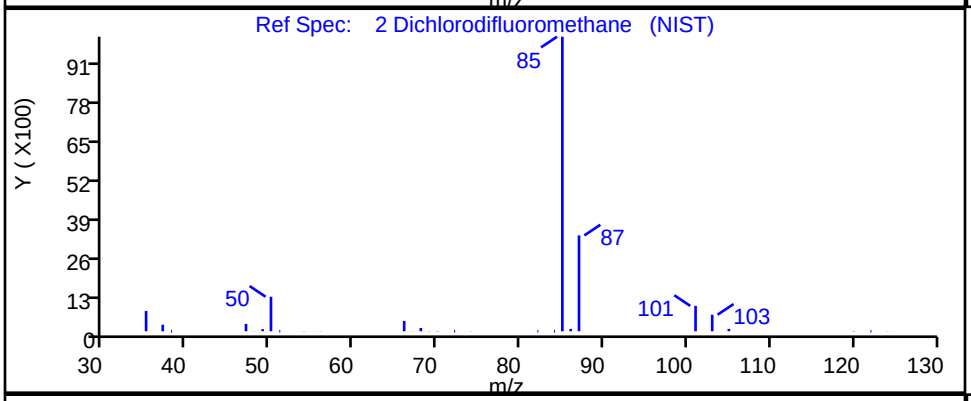
2 Dichlorodifluoromethane, CAS: 75-71-8

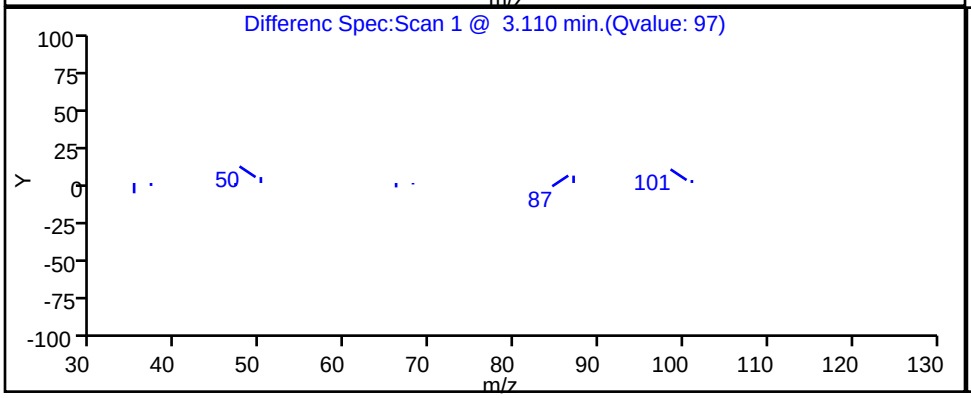


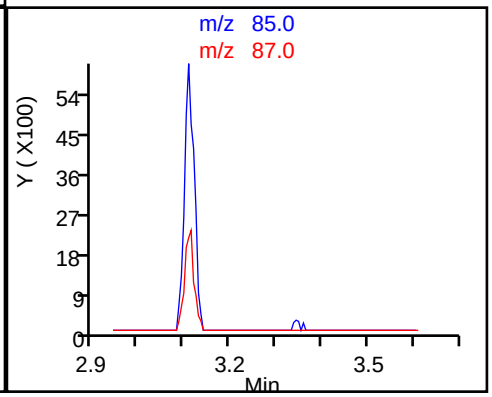










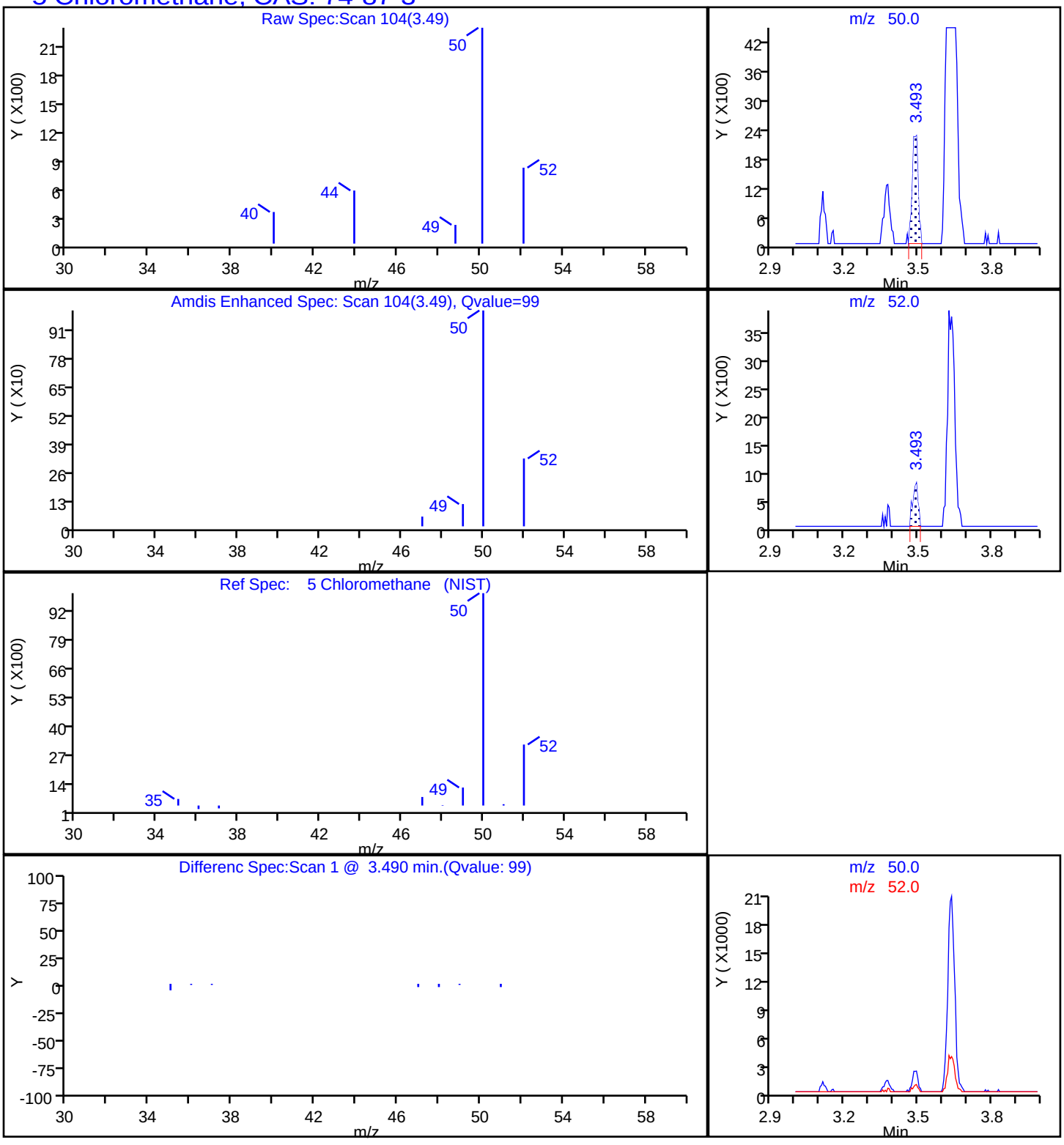


TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180417-30131.b\30131_15.D

Injection Date:	17-Apr-2018 20:55:30	Instrument ID:	CHX.i		
Lims ID:	200-43091-A-4	Lab Sample ID:	200-43091-4		
Client ID:	SV004				
Operator ID:	PAD	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

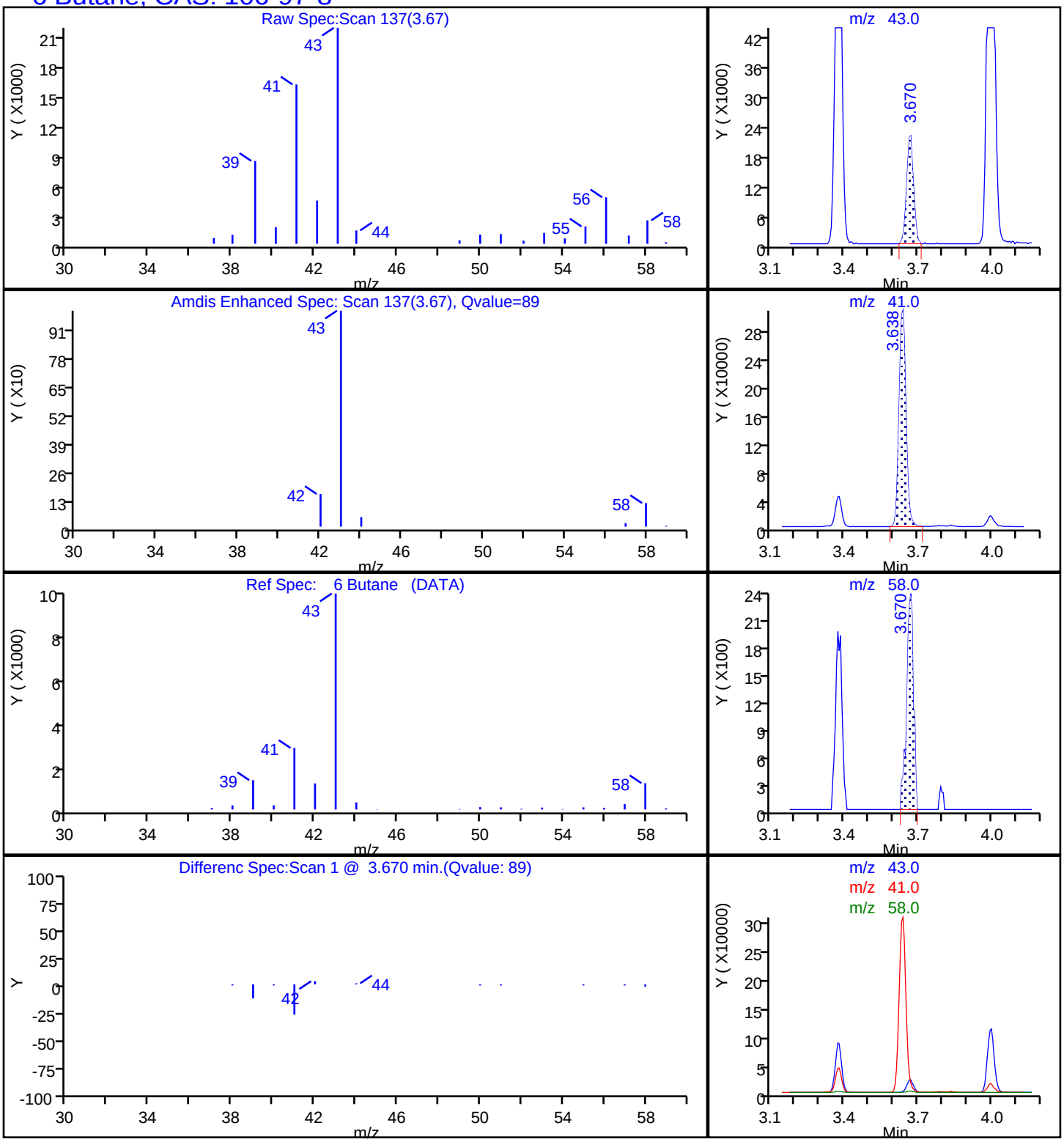
5 Chloromethane, CAS: 74-87-3



TestAmerica Burlington

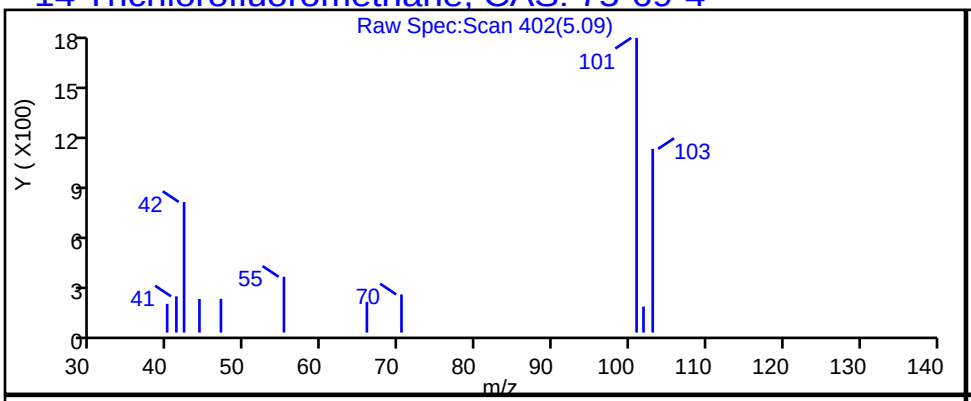
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20180417-30131.b\30131_15.D				
Injection Date:	17-Apr-2018 20:55:30	Instrument ID:	CHX.i		
Lims ID:	200-43091-A-4	Lab Sample ID:	200-43091-4		
Client ID:	SV004				
Operator ID:	PAD	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

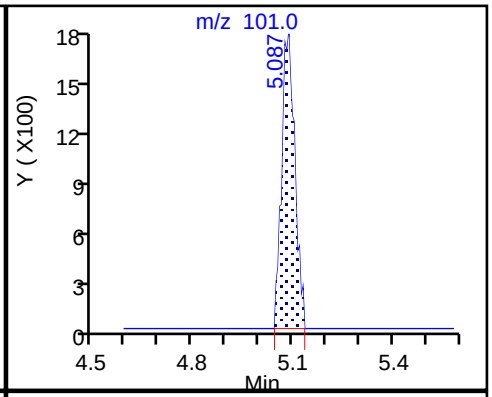
6 Butane, CAS: 106-97-8

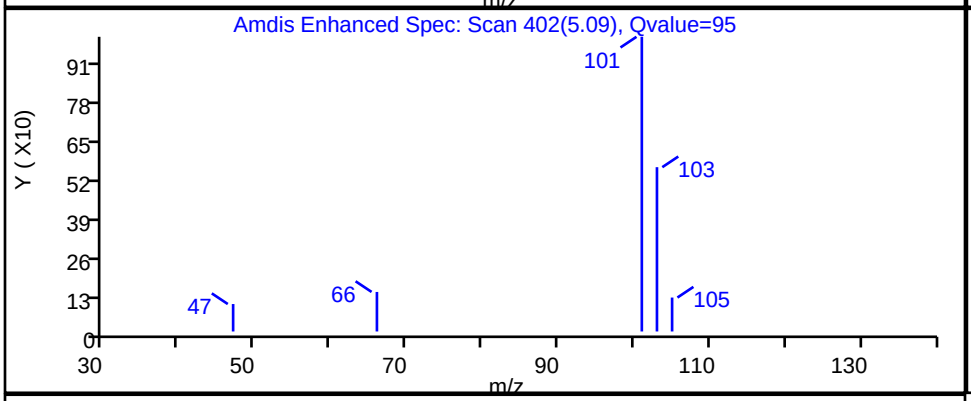


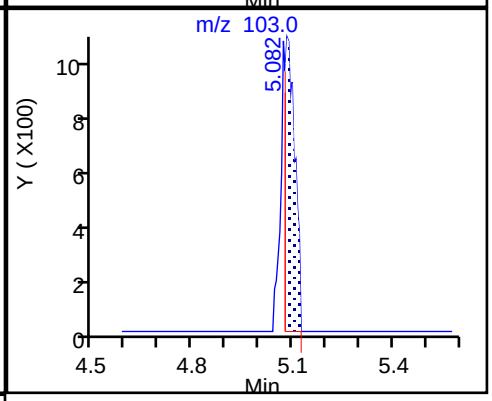
Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180417-30131.b\30131_15.D
Injection Date: 17-Apr-2018 20:55:30 Instrument ID: CHX.i
Lims ID: 200-43091-A-4 Lab Sample ID: 200-43091-4
Client ID: SV004
Operator ID: PAD ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 200.000 mL Dil. Factor: 2.0000
Method: TO15_MasterMethod_X.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

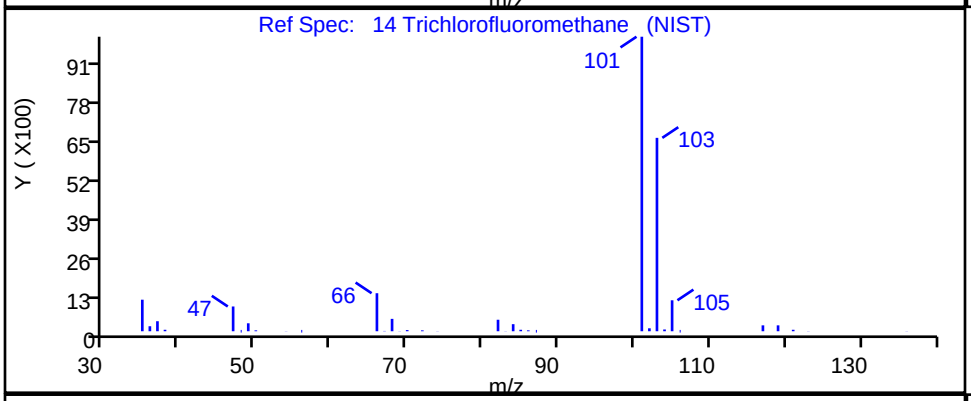
14 Trichlorofluoromethane, CAS: 75-69-4

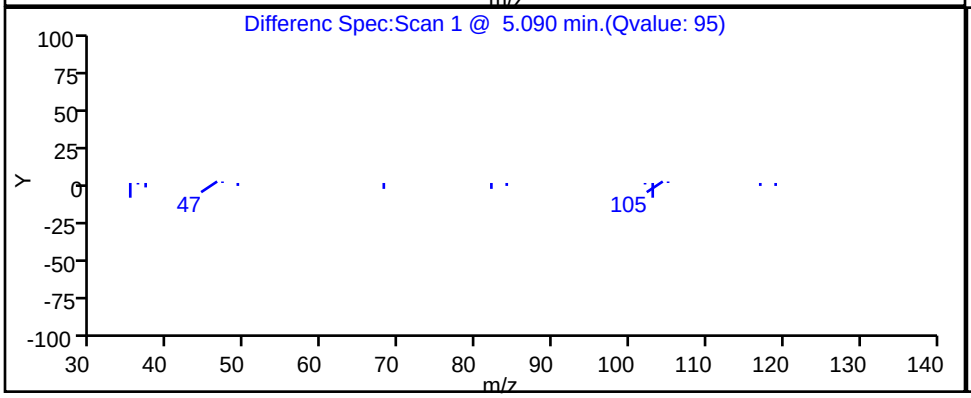


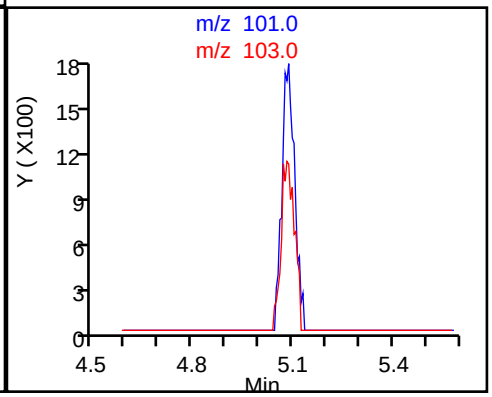






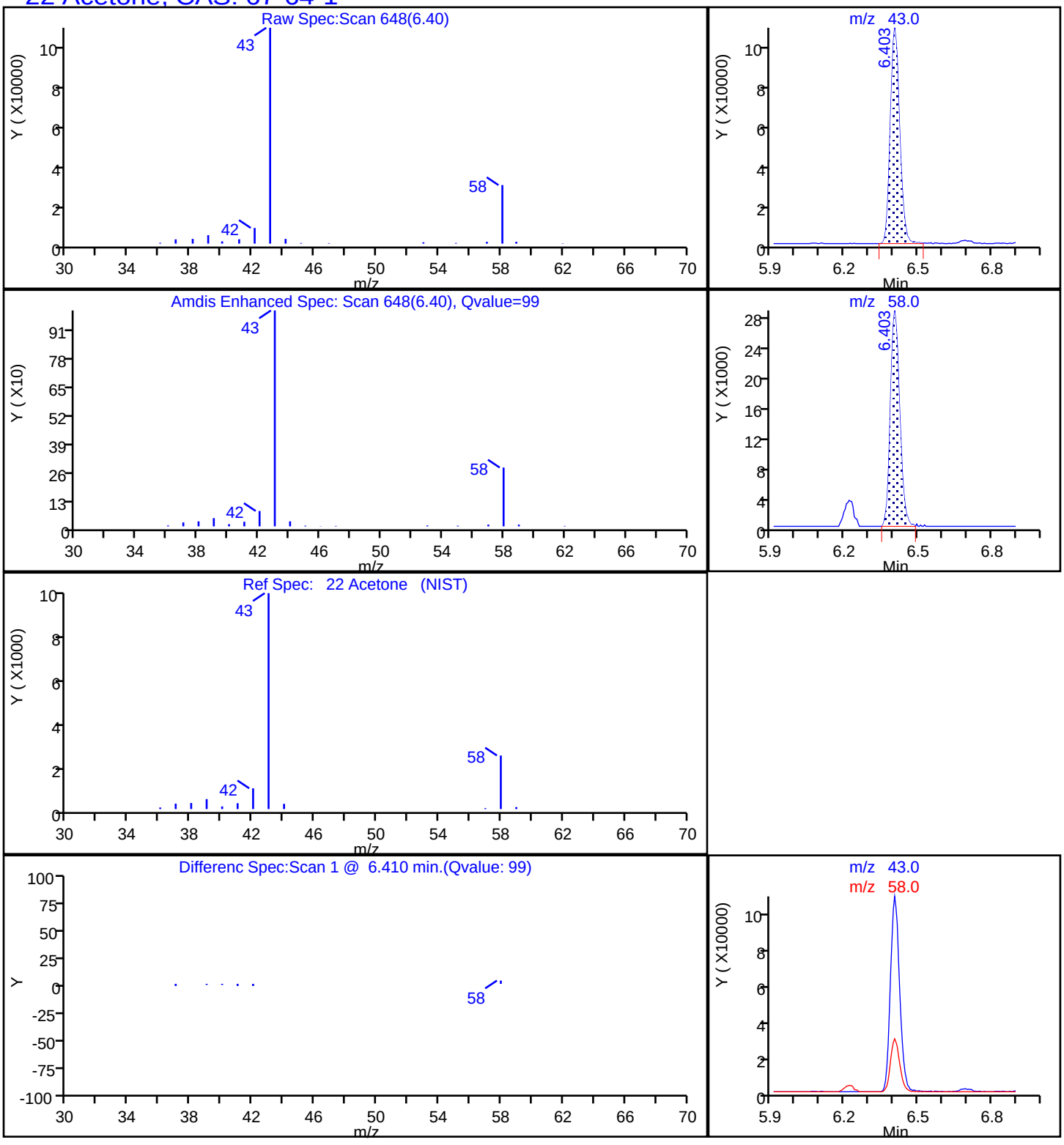






Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180417-30131.b\30131_15.D
Injection Date: 17-Apr-2018 20:55:30 Instrument ID: CHX.i
Lims ID: 200-43091-A-4 Lab Sample ID: 200-43091-4
Client ID: SV004
Operator ID: PAD ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 200.000 mL Dil. Factor: 2.0000
Method: TO15_MasterMethod_X.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

22 Acetone, CAS: 67-64-1

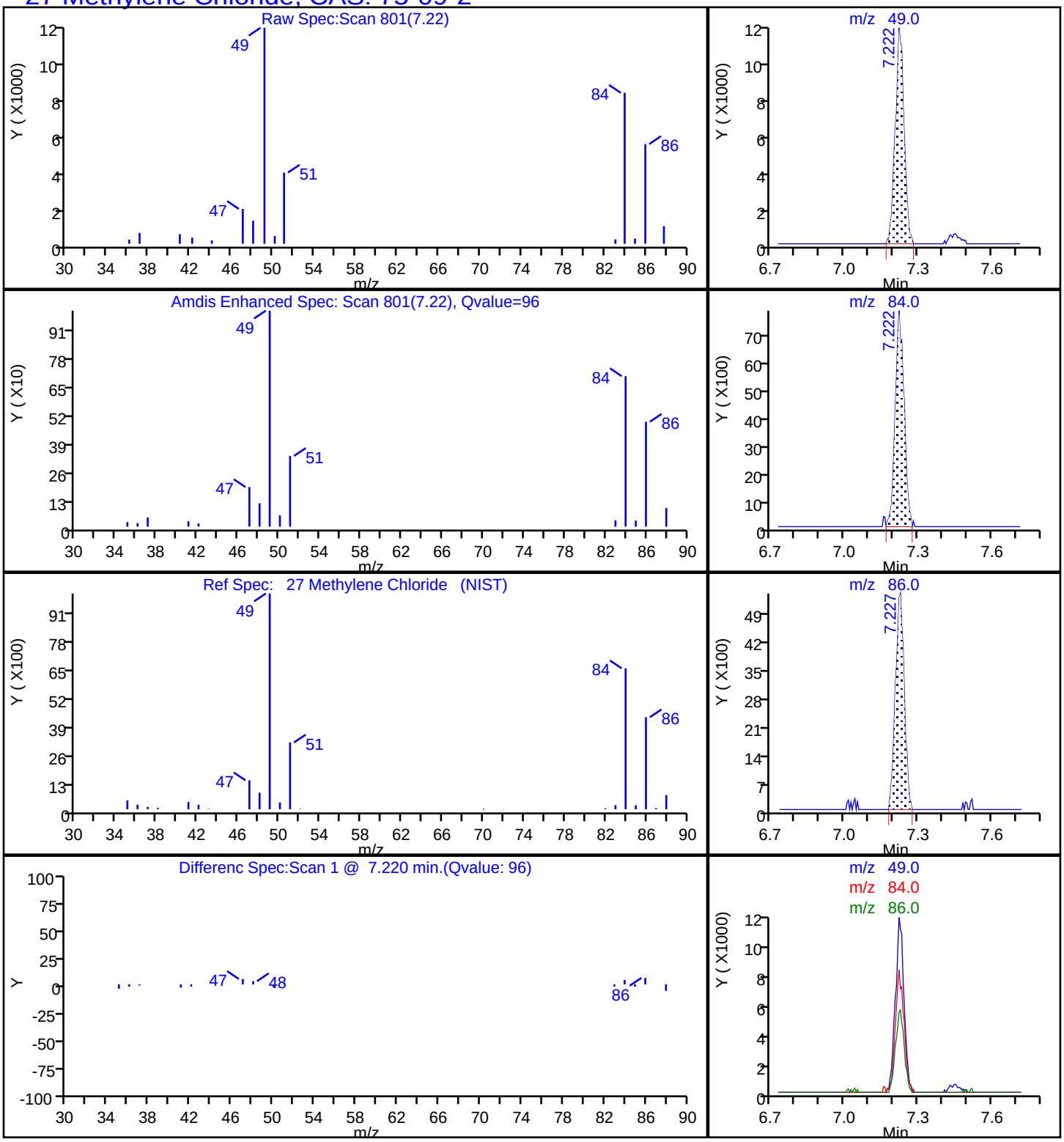


TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180417-30131.b\30131_15.D

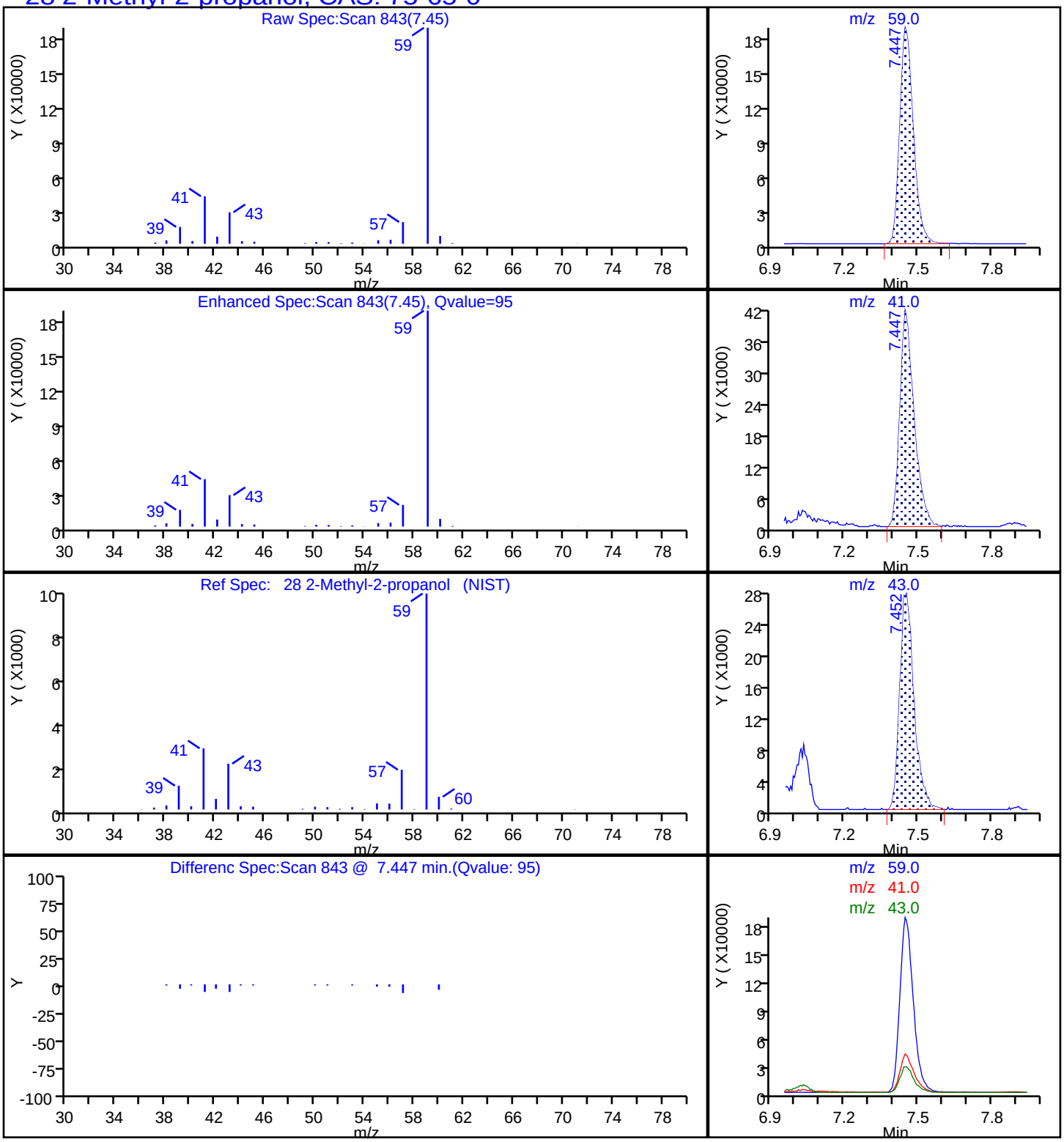
Injection Date:	17-Apr-2018 20:55:30	Instrument ID:	CHX.i		
Lims ID:	200-43091-A-4	Lab Sample ID:	200-43091-4		
Client ID:	SV004				
Operator ID:	PAD	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

27 Methylene Chloride, CAS: 75-09-2



Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180417-30131.b\30131_15.D
Injection Date: 17-Apr-2018 20:55:30 Instrument ID: CHX.i
Lims ID: 200-43091-A-4 Lab Sample ID: 200-43091-4
Client ID: SV004
Operator ID: PAD ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 200.000 mL Dil. Factor: 2.0000
Method: TO15_MasterMethod_X.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

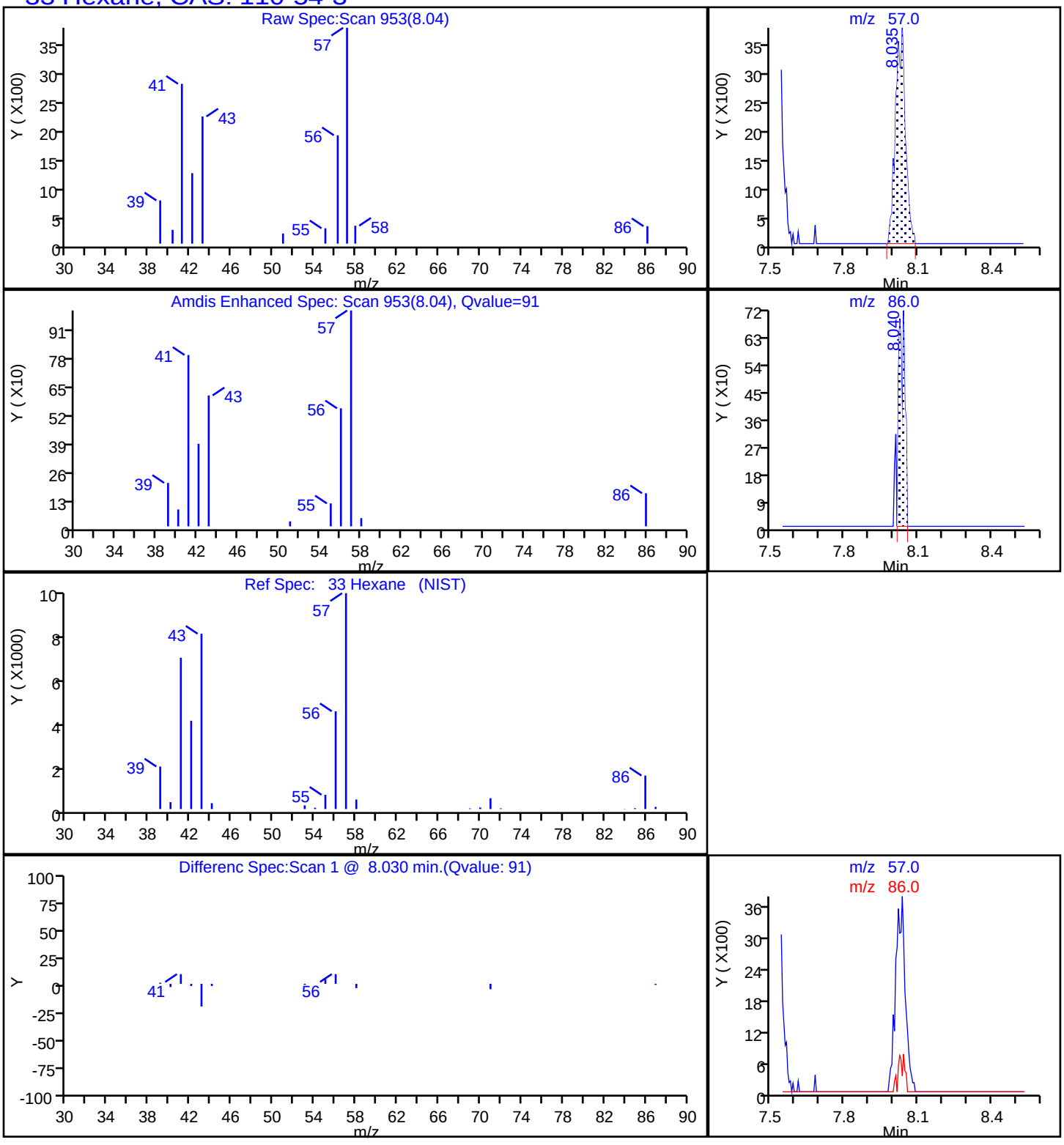
28 2-Methyl-2-propanol, CAS: 75-65-0



TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20180417-30131.b\30131_15.D				
Injection Date:	17-Apr-2018 20:55:30	Instrument ID:	CHX.i		
Lims ID:	200-43091-A-4	Lab Sample ID:	200-43091-4		
Client ID:	SV004				
Operator ID:	PAD	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

33 Hexane, CAS: 110-54-3

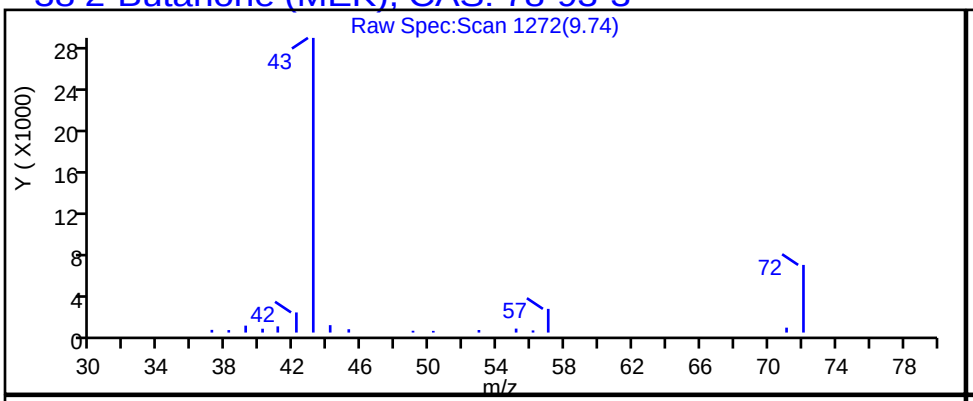


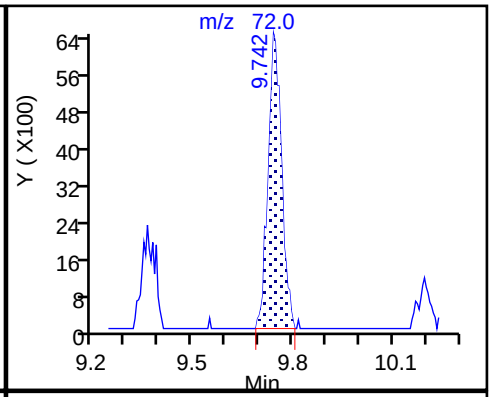
TestAmerica Burlington

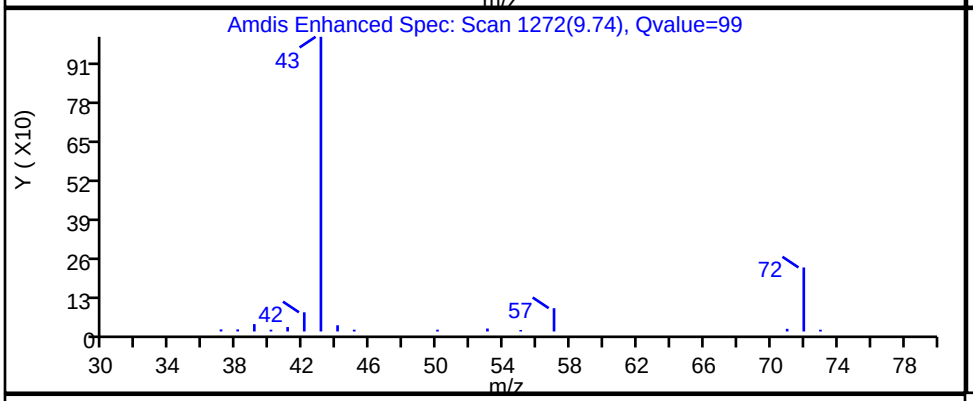
Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180417-30131.b\30131_15.D

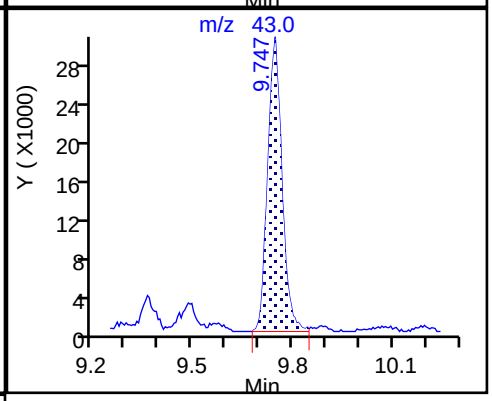
Injection Date:	17-Apr-2018 20:55:30	Instrument ID:	CHX.i		
Lims ID:	200-43091-A-4	Lab Sample ID:	200-43091-4		
Client ID:	SV004				
Operator ID:	PAD	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

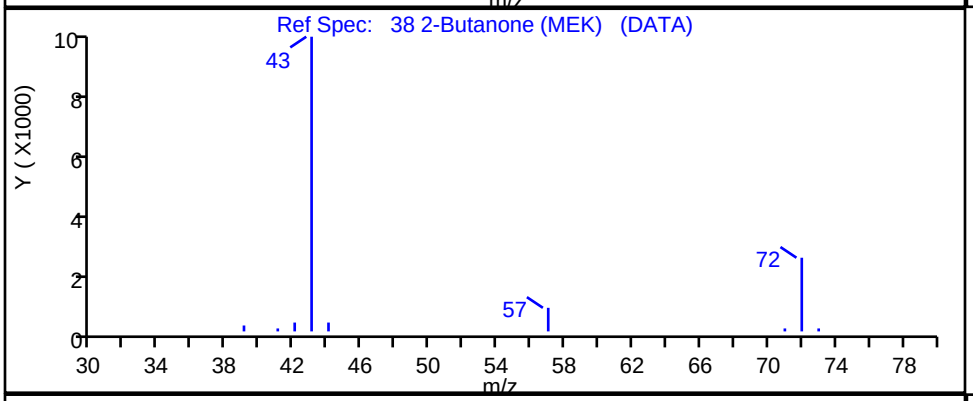
38 2-Butanone (MEK), CAS: 78-93-3

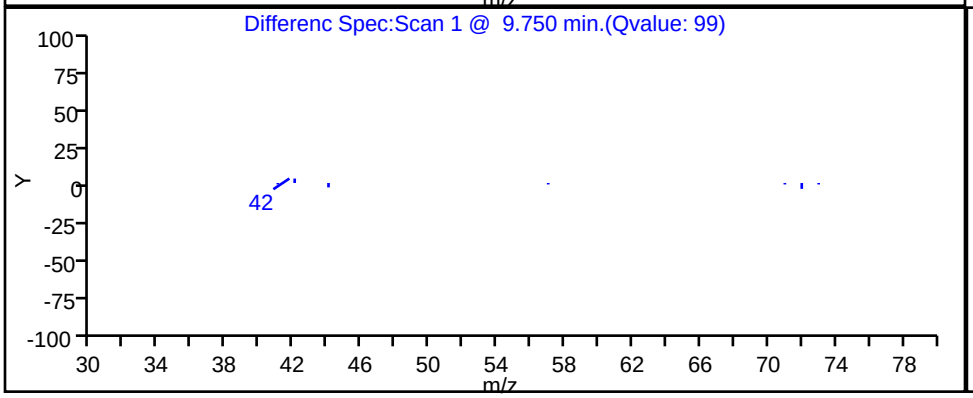


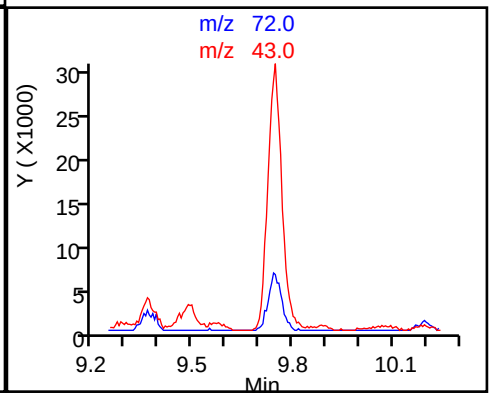








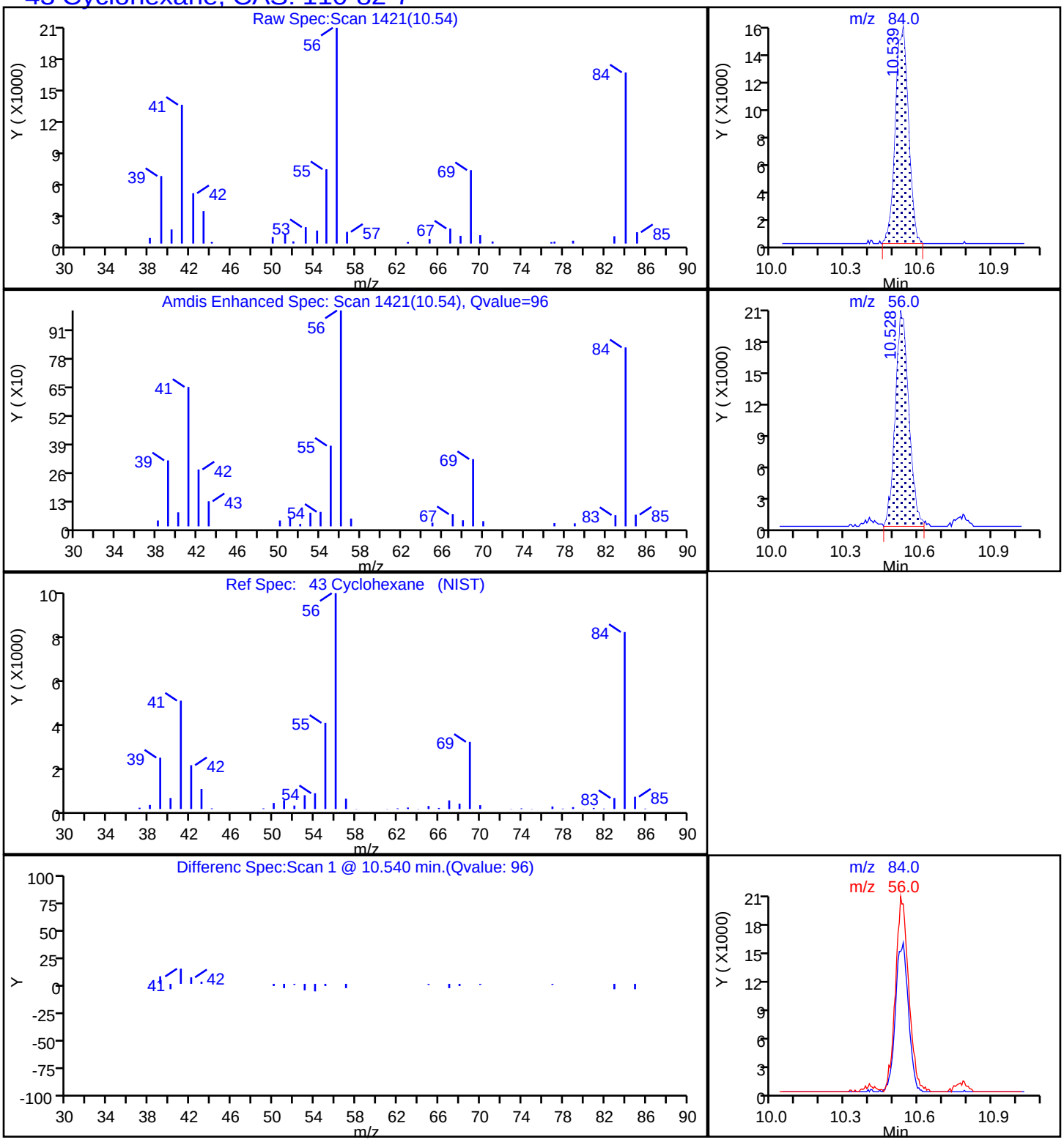




TestAmerica Burlington

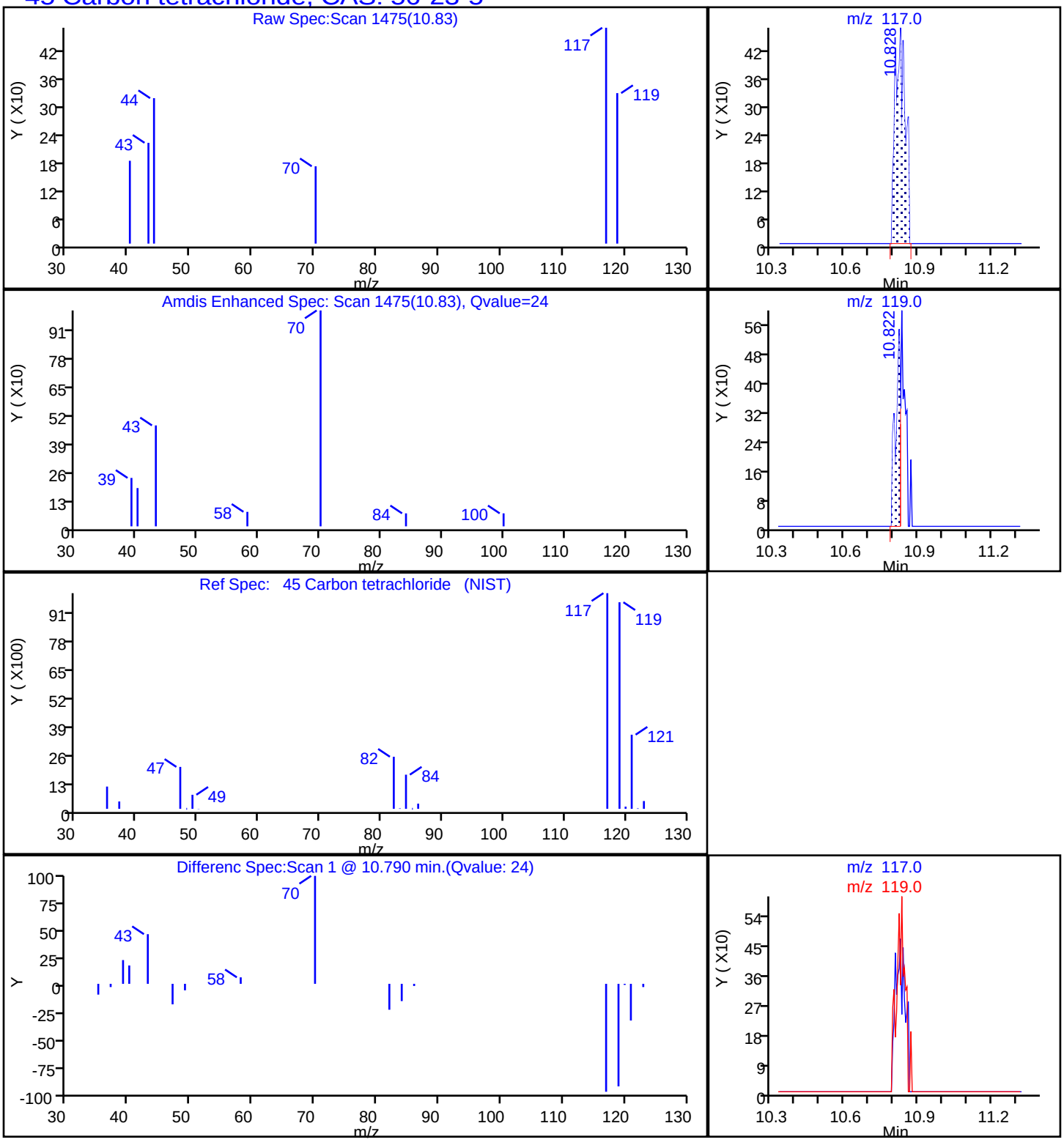
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20180417-30131.b\30131_15.D				
Injection Date:	17-Apr-2018 20:55:30	Instrument ID:	CHX.i		
Lims ID:	200-43091-A-4	Lab Sample ID:	200-43091-4		
Client ID:	SV004				
Operator ID:	PAD	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

43 Cyclohexane, CAS: 110-82-7



Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180417-30131.b\30131_15.D
Injection Date: 17-Apr-2018 20:55:30 Instrument ID: CHX.i
Lims ID: 200-43091-A-4 Lab Sample ID: 200-43091-4
Client ID: SV004
Operator ID: PAD ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 200.000 mL Dil. Factor: 2.0000
Method: TO15_MasterMethod_X.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

45 Carbon tetrachloride, CAS: 56-23-5

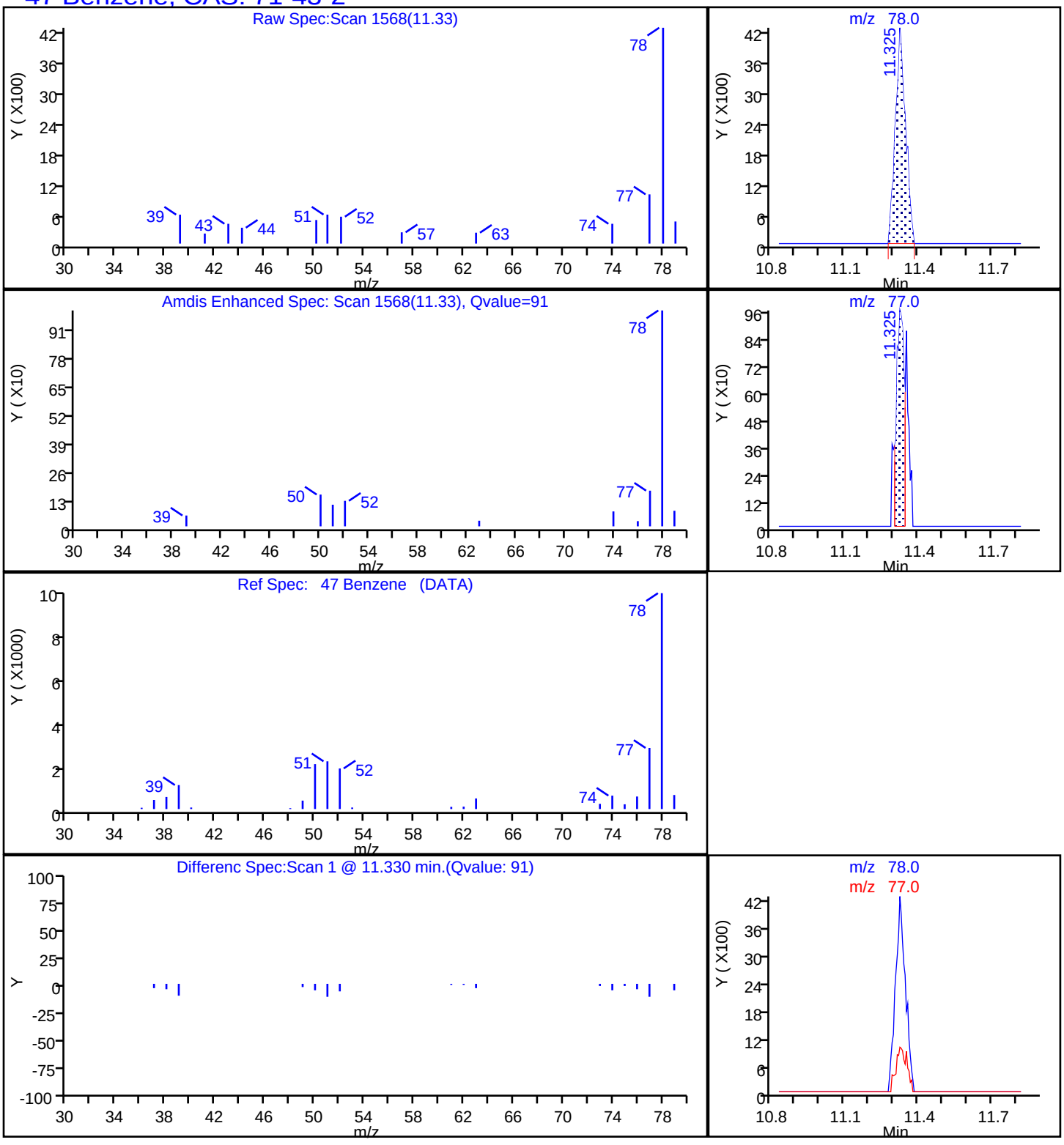


TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180417-30131.b\30131_15.D

Injection Date:	17-Apr-2018 20:55:30	Instrument ID:	CHX.i		
Lims ID:	200-43091-A-4	Lab Sample ID:	200-43091-4		
Client ID:	SV004				
Operator ID:	PAD	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

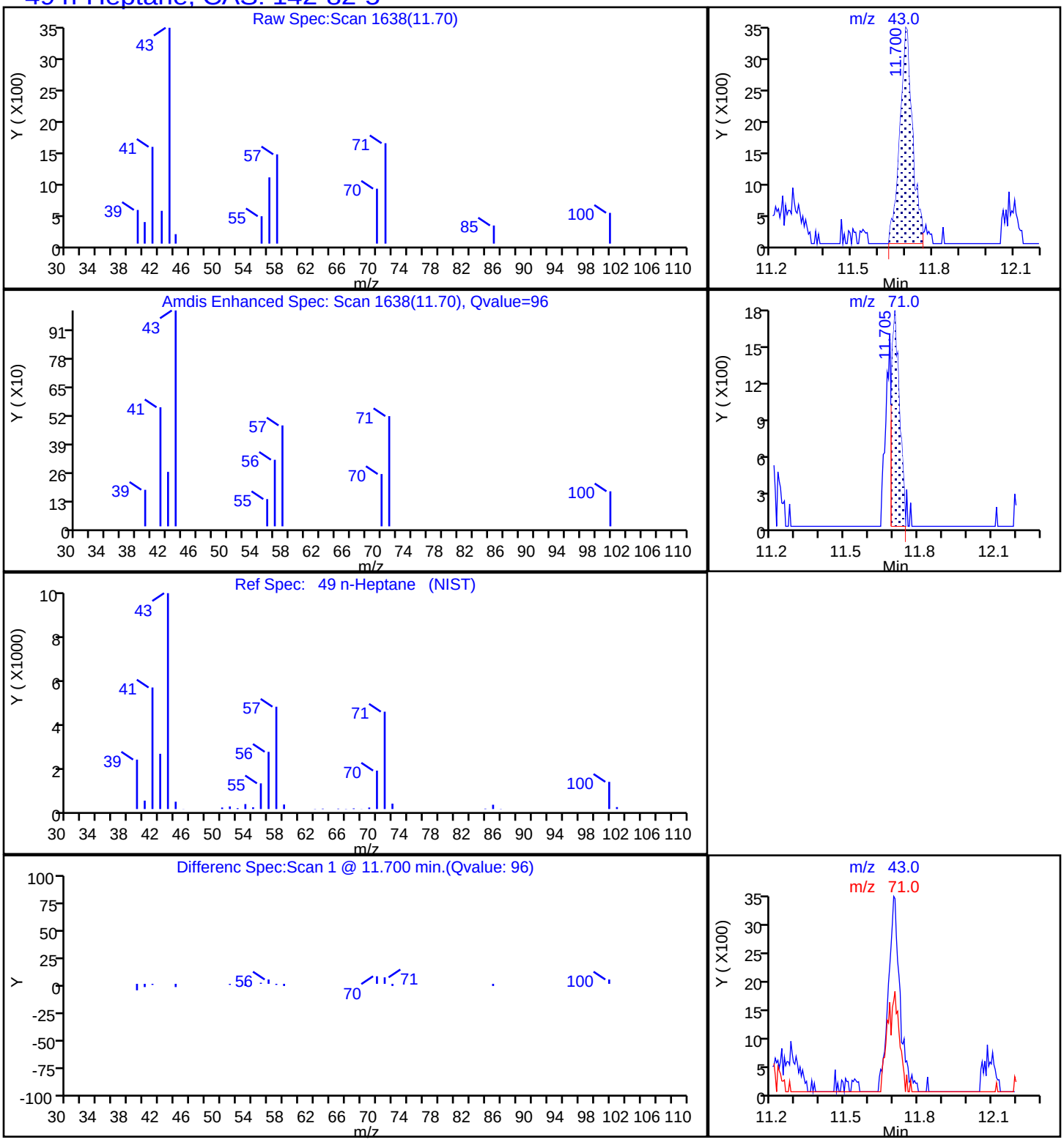
47 Benzene, CAS: 71-43-2



TestAmerica Burlington

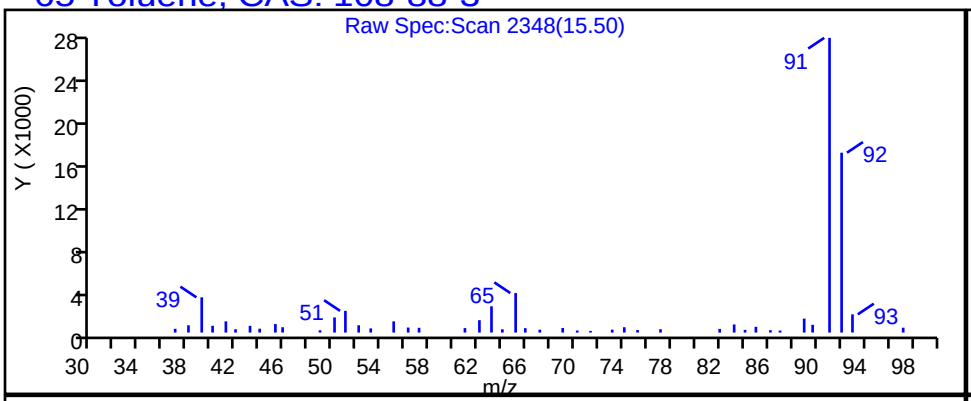
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20180417-30131.b\30131_15.D				
Injection Date:	17-Apr-2018 20:55:30	Instrument ID:	CHX.i		
Lims ID:	200-43091-A-4	Lab Sample ID:	200-43091-4		
Client ID:	SV004				
Operator ID:	PAD	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

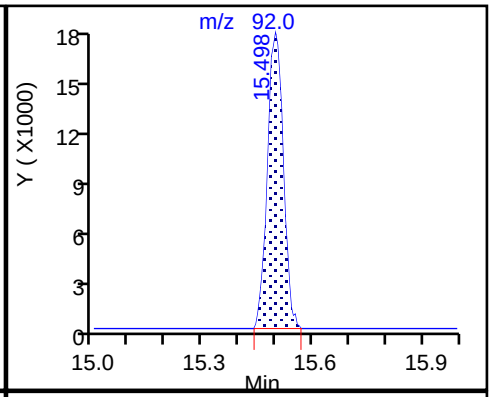
49 n-Heptane, CAS: 142-82-5

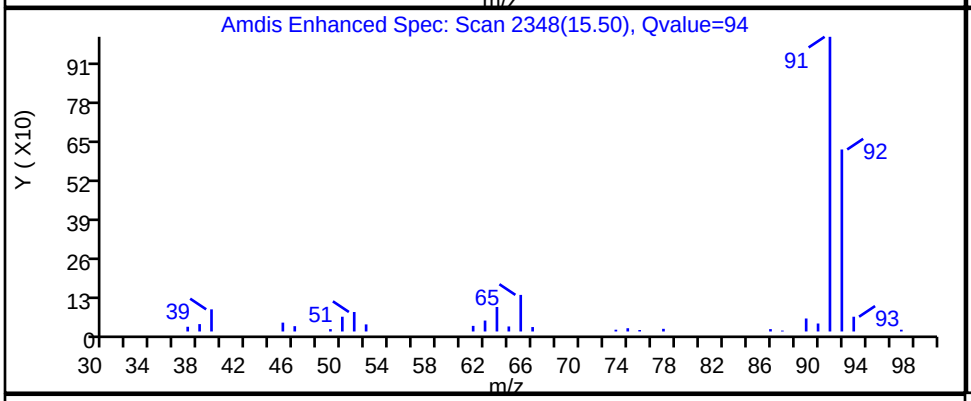


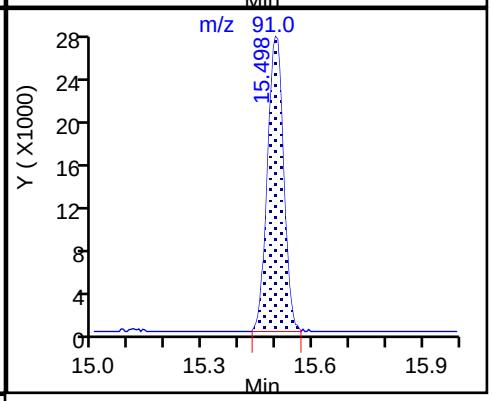
Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180417-30131.b\30131_15.D
Injection Date: 17-Apr-2018 20:55:30 Instrument ID: CHX.i
Lims ID: 200-43091-A-4 Lab Sample ID: 200-43091-4
Client ID: SV004
Operator ID: PAD ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 200.000 mL Dil. Factor: 2.0000
Method: TO15_MasterMethod_X.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

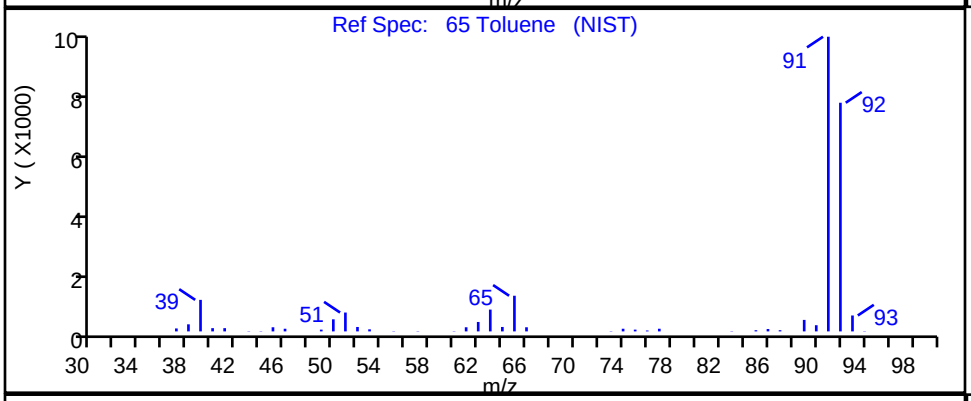
65 Toluene, CAS: 108-88-3

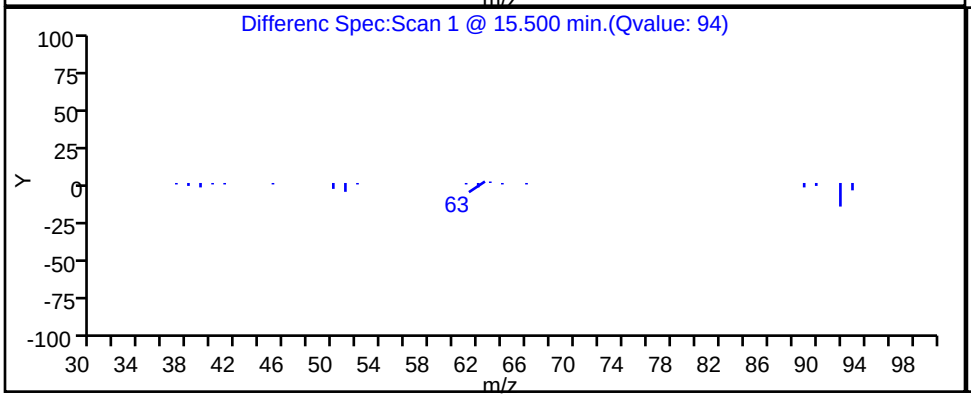


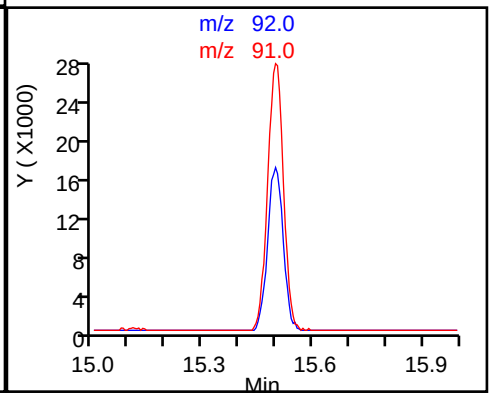










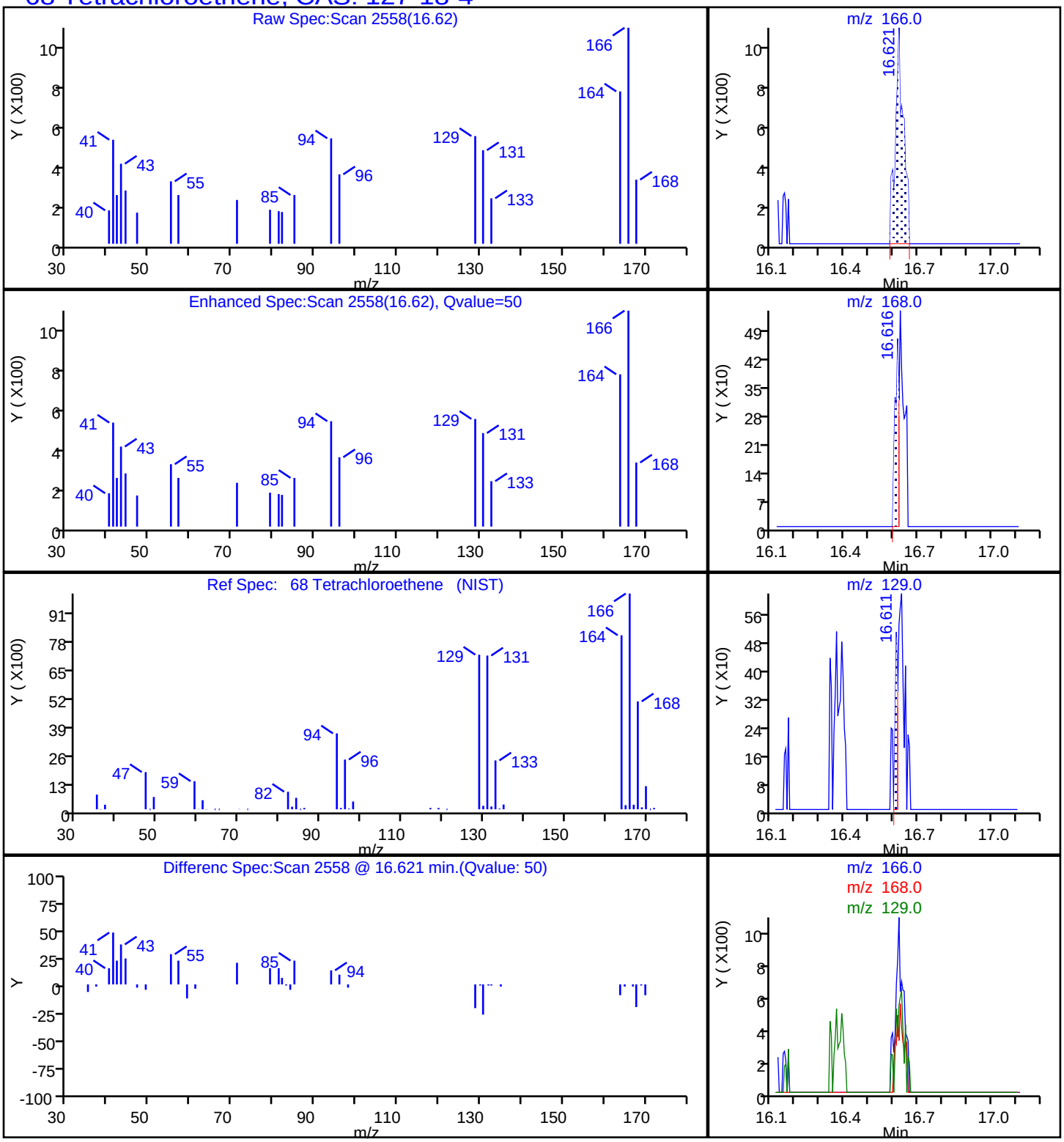


TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180417-30131.b\30131_15.D

Injection Date:	17-Apr-2018 20:55:30	Instrument ID:	CHX.i		
Lims ID:	200-43091-A-4	Lab Sample ID:	200-43091-4		
Client ID:	SV004				
Operator ID:	PAD	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

68 Tetrachloroethene, CAS: 127-18-4

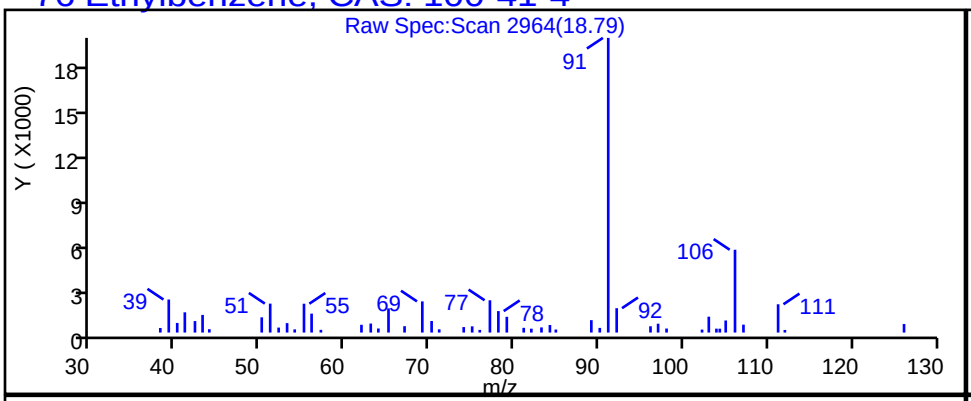


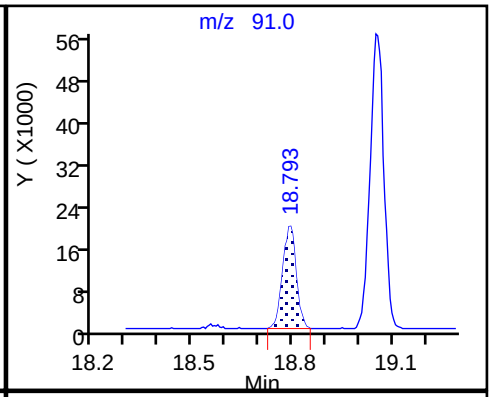
TestAmerica Burlington

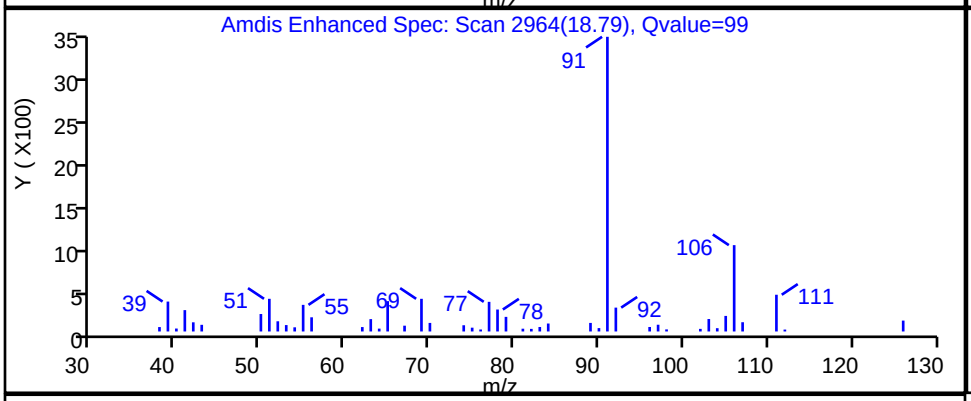
Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180417-30131.b\30131_15.D

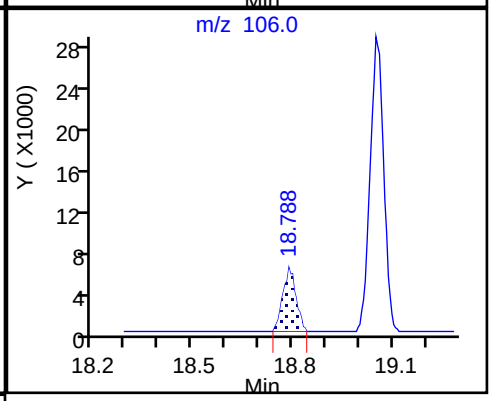
Injection Date:	17-Apr-2018 20:55:30	Instrument ID:	CHX.i		
Lims ID:	200-43091-A-4	Lab Sample ID:	200-43091-4		
Client ID:	SV004				
Operator ID:	PAD	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

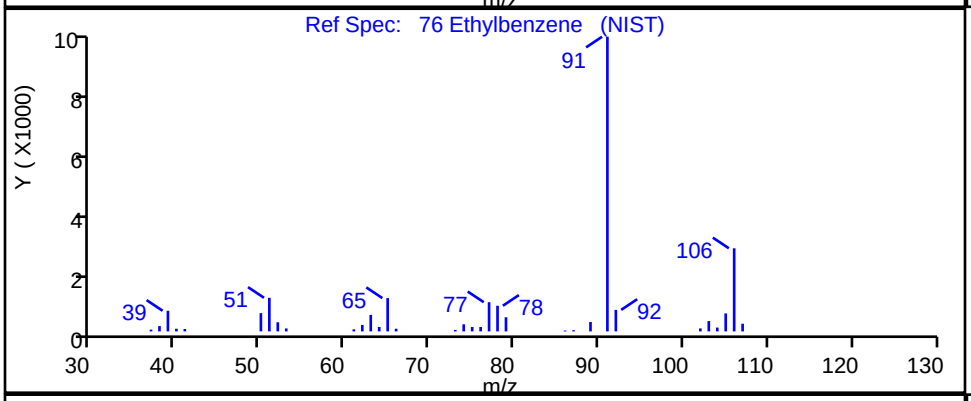
76 Ethylbenzene, CAS: 100-41-4

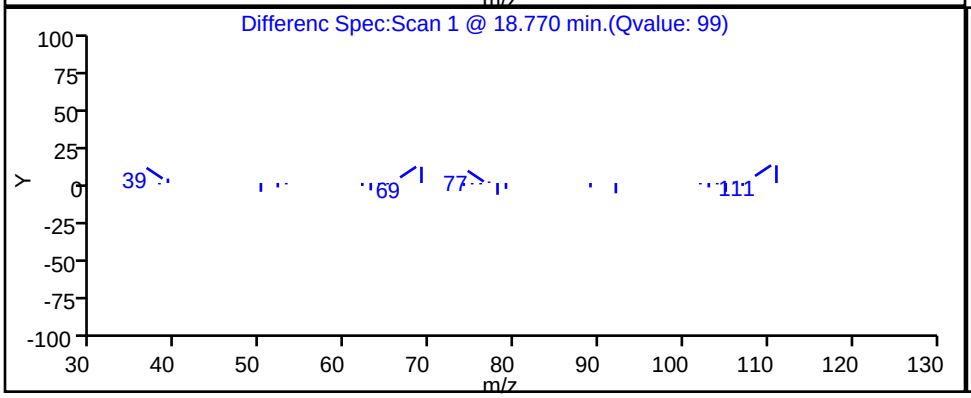


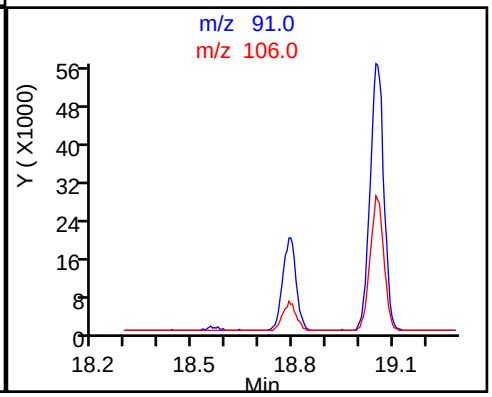






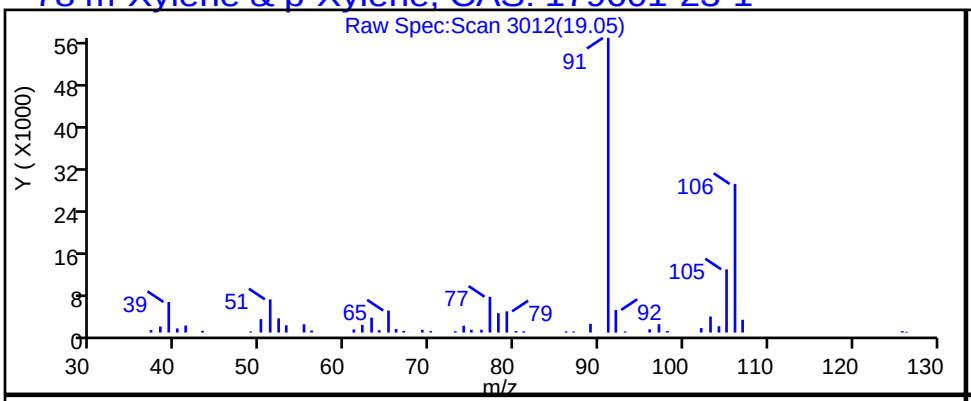


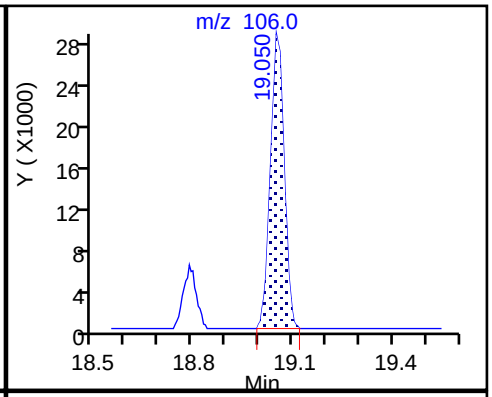


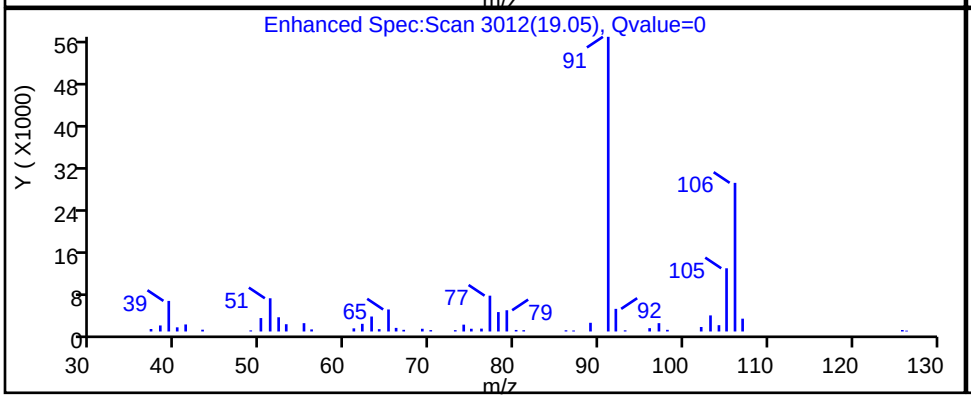


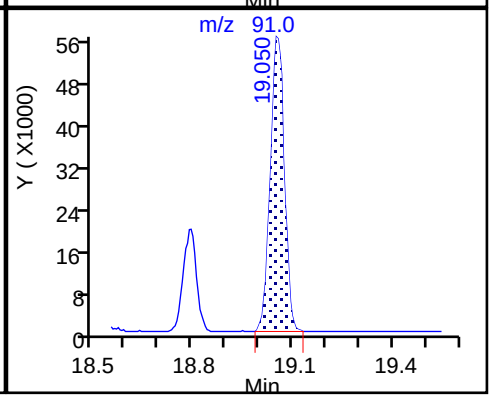
Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180417-30131.b\30131_15.D
Injection Date: 17-Apr-2018 20:55:30 Instrument ID: CHX.i
Lims ID: 200-43091-A-4 Lab Sample ID: 200-43091-4
Client ID: SV004
Operator ID: PAD ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 200.000 mL Dil. Factor: 2.0000
Method: TO15_MasterMethod_X.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

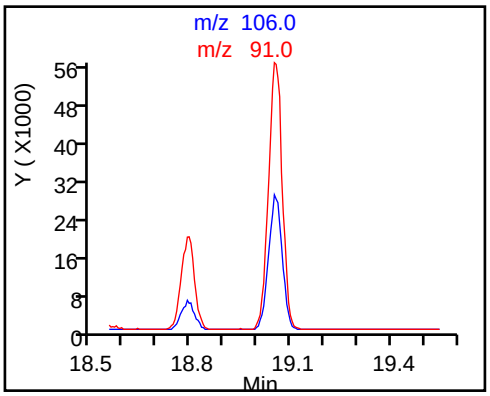
78 m-Xylene & p-Xylene, CAS: 179601-23-1





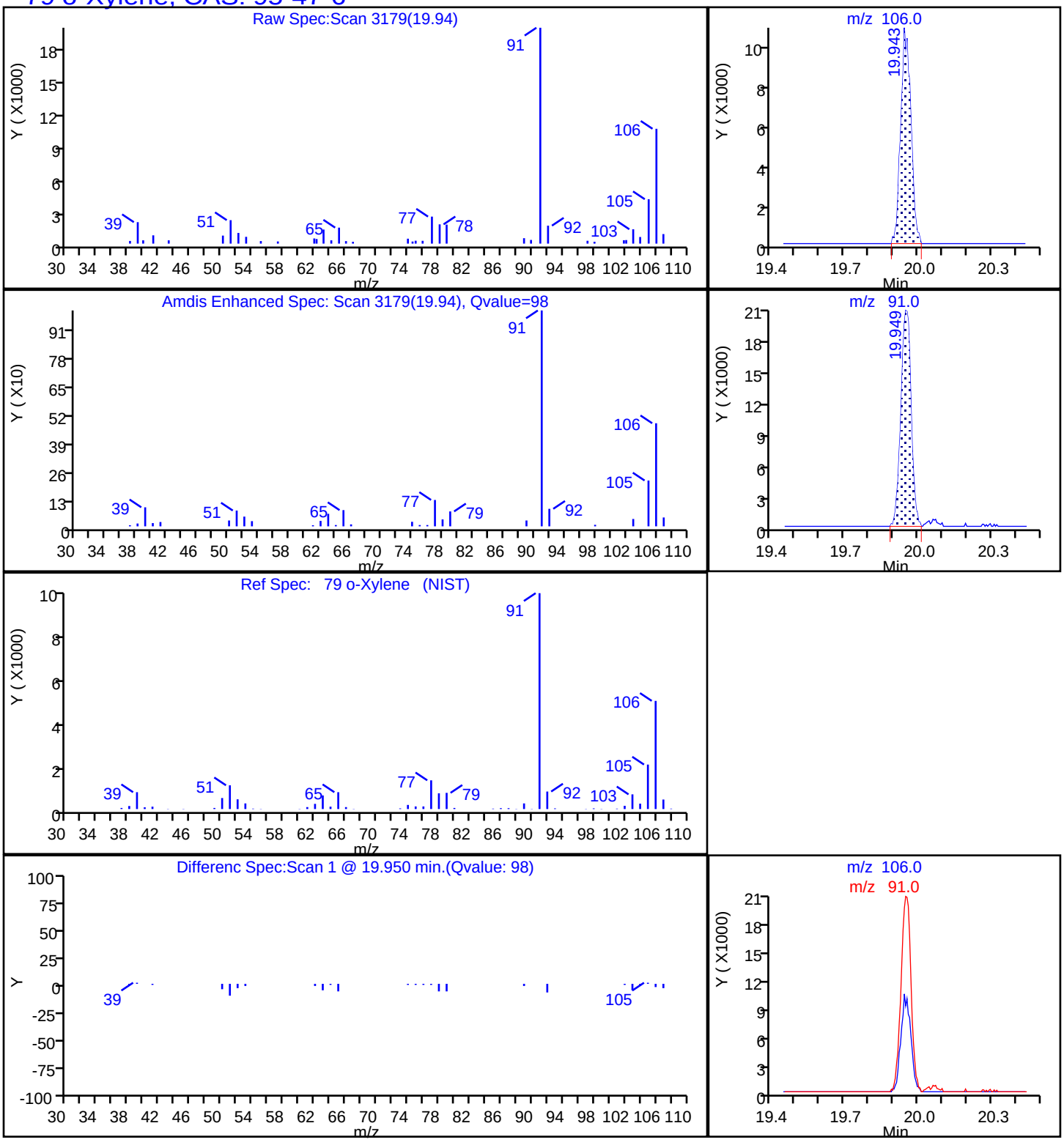






Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180417-30131.b\30131_15.D
Injection Date: 17-Apr-2018 20:55:30 Instrument ID: CHX.i
Lims ID: 200-43091-A-4 Lab Sample ID: 200-43091-4
Client ID: SV004
Operator ID: PAD ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 200.000 mL Dil. Factor: 2.0000
Method: TO15_MasterMethod_X.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

79 o-Xylene, CAS: 95-47-6

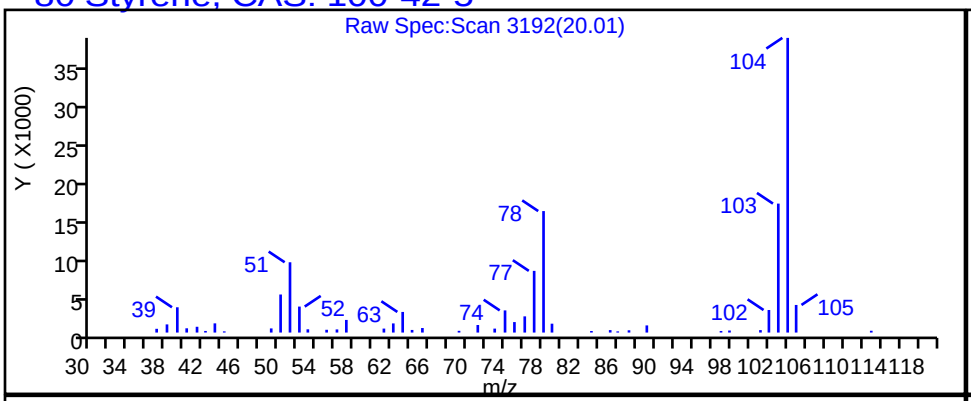


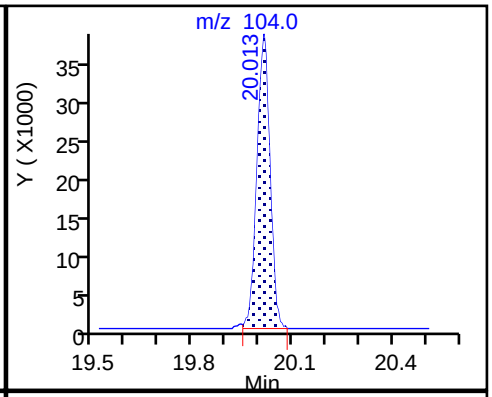
TestAmerica Burlington

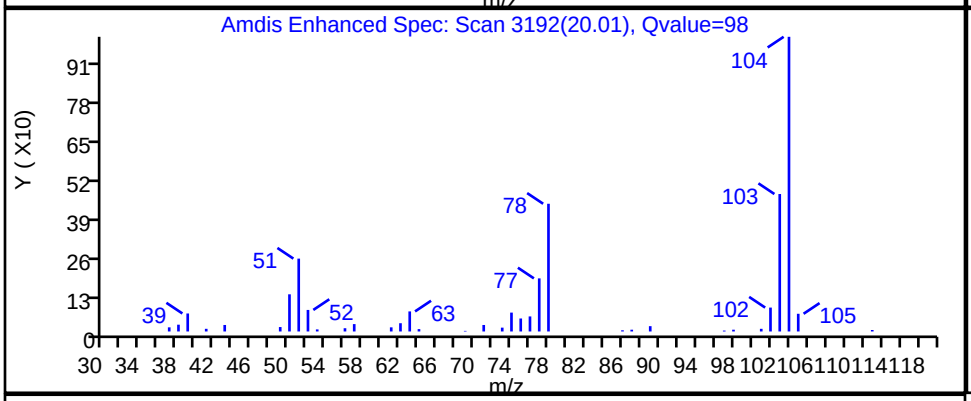
Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180417-30131.b\30131_15.D

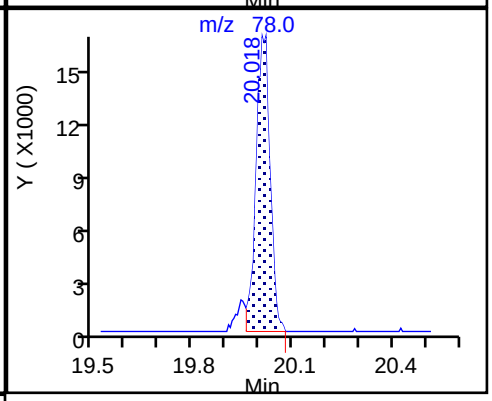
Injection Date:	17-Apr-2018 20:55:30	Instrument ID:	CHX.i		
Lims ID:	200-43091-A-4	Lab Sample ID:	200-43091-4		
Client ID:	SV004				
Operator ID:	PAD	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

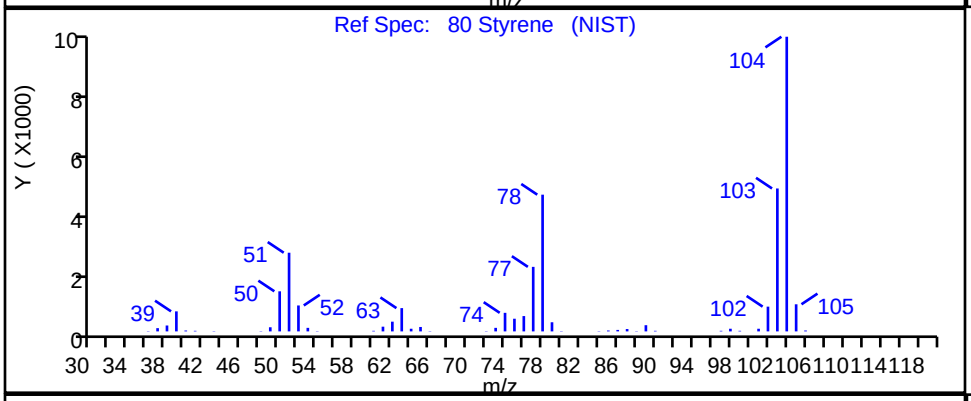
80 Styrene, CAS: 100-42-5

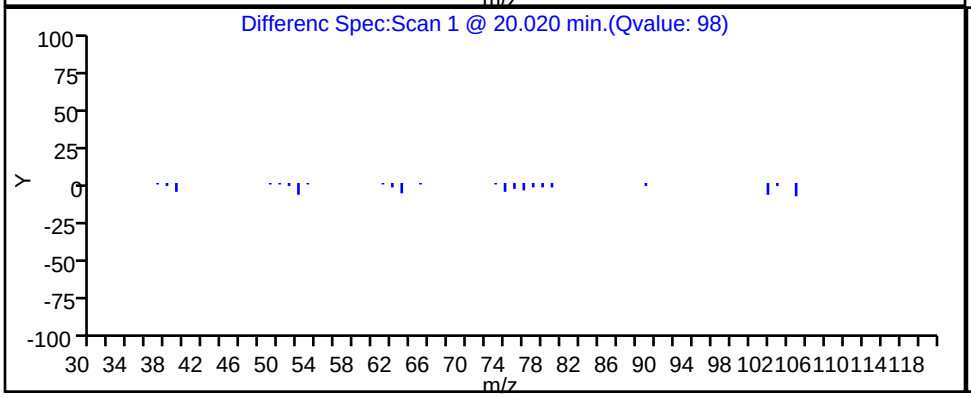


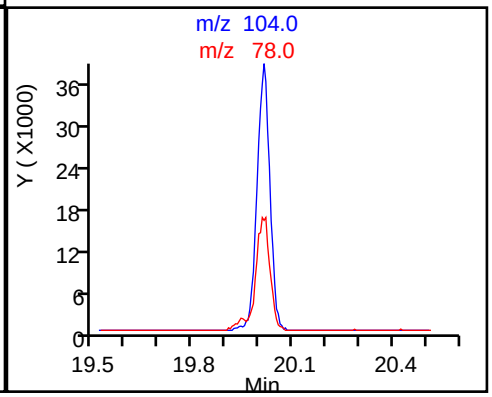












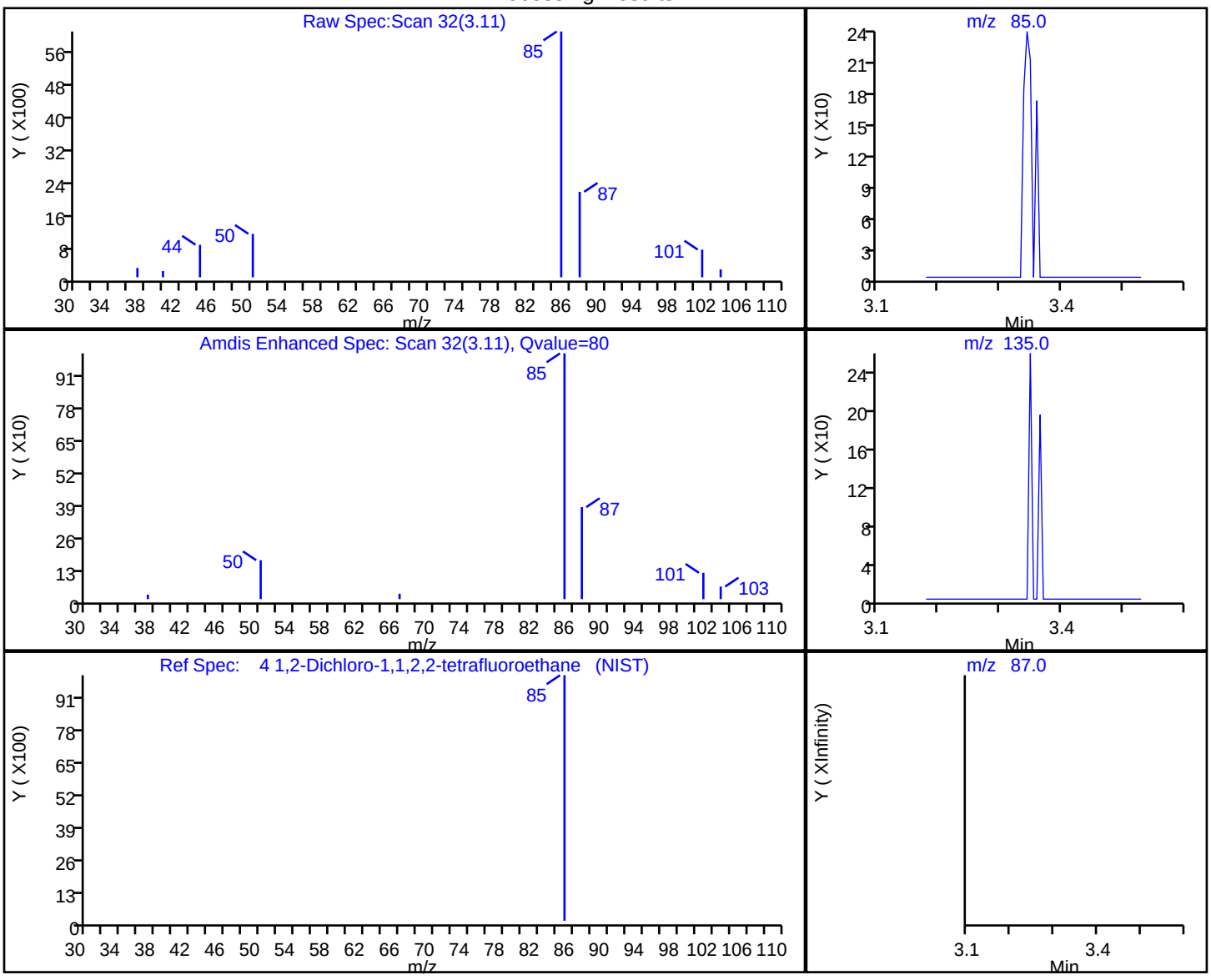
User Disabled Compound Report

TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20180417-30131.b\30131_15.D				
Injection Date:	17-Apr-2018 20:55:30	Instrument ID:	CHX.i		
Lims ID:	200-43091-A-4	Lab Sample ID:	200-43091-4		
Client ID:	SV004				
Operator ID:	PAD	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

4 1,2-Dichloro-1,1,2,2-tetrafluoroethane, CAS: 76-14-2

Processing Results



RT	Mass	Response	Amount
3.11	85.00	9063	0.256540
3.35	135.00	0	
3.11	87.00	3310	

Reviewer: bunmaa, 18-Apr-2018 14:48:20

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

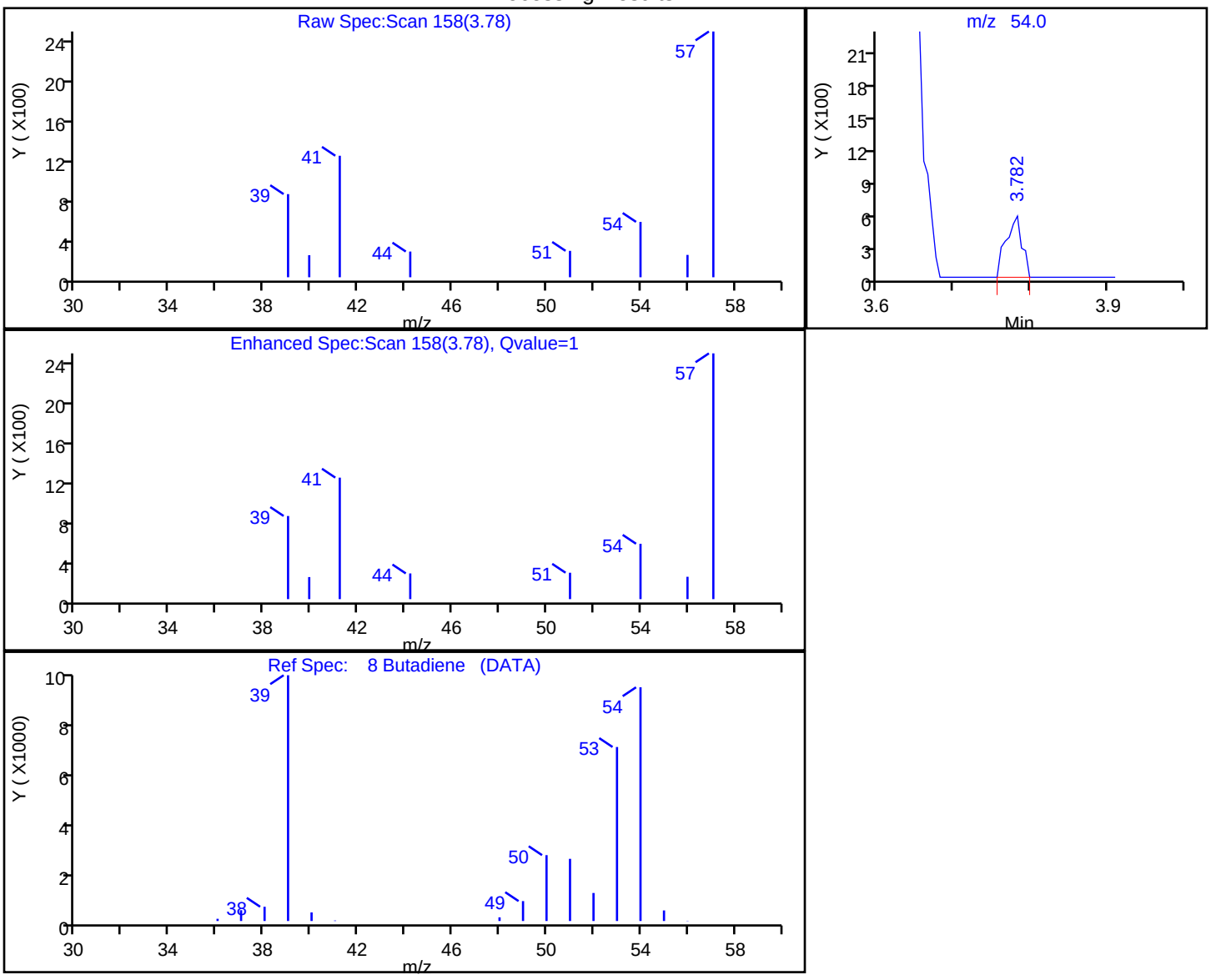
User Disabled Compound Report

TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20180417-30131.b\30131_15.D				
Injection Date:	17-Apr-2018 20:55:30	Instrument ID:	CHX.i		
Lims ID:	200-43091-A-4	Lab Sample ID:	200-43091-4		
Client ID:	SV004				
Operator ID:	PAD	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

8 Butadiene, CAS: 106-99-0

Processing Results



RT	Mass	Response	Amount
3.78	54.00	811	0.080291

Reviewer: bunmaa, 18-Apr-2018 14:48:20

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

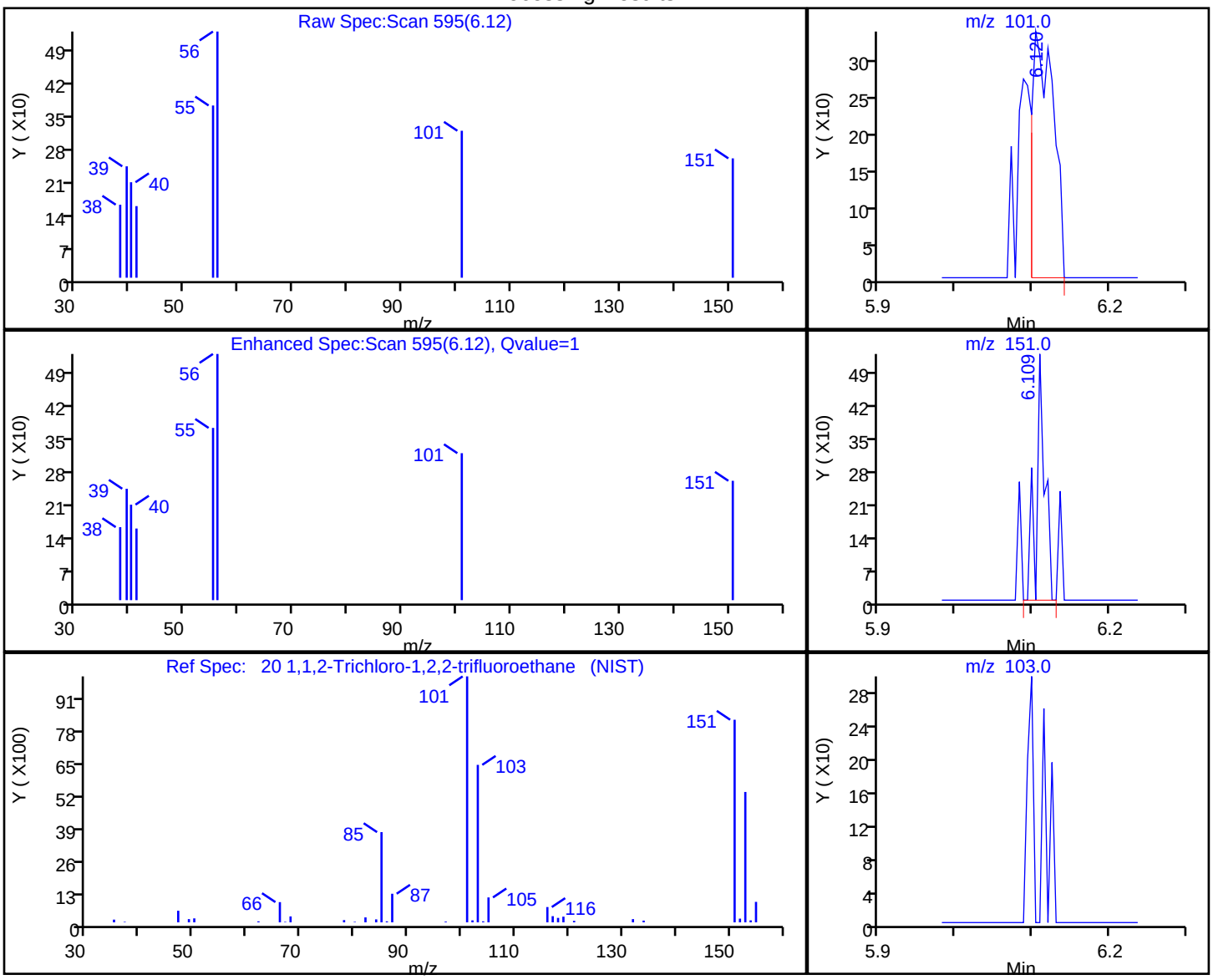
User Disabled Compound Report

TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20180417-30131.b\30131_15.D				
Injection Date:	17-Apr-2018 20:55:30	Instrument ID:	CHX.i		
Lims ID:	200-43091-A-4	Lab Sample ID:	200-43091-4		
Client ID:	SV004				
Operator ID:	PAD	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

20 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

Processing Results



RT	Mass	Response	Amount
6.12	101.00	651	0.024007
6.11	151.00	412	
6.11	103.00	0	

Reviewer: bunmaa, 18-Apr-2018 14:48:20

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

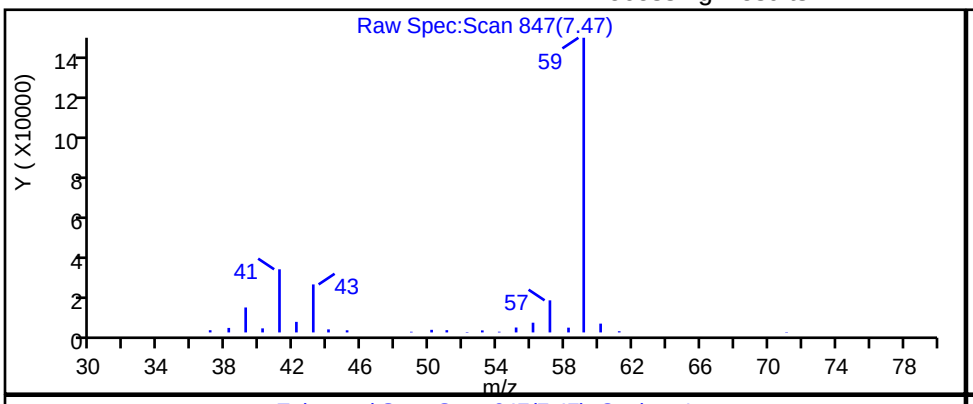
User Disabled Compound Report

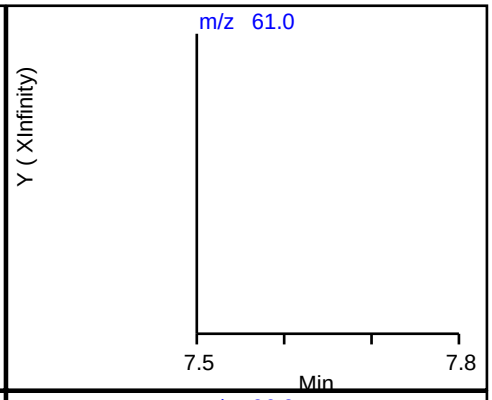
TestAmerica Burlington

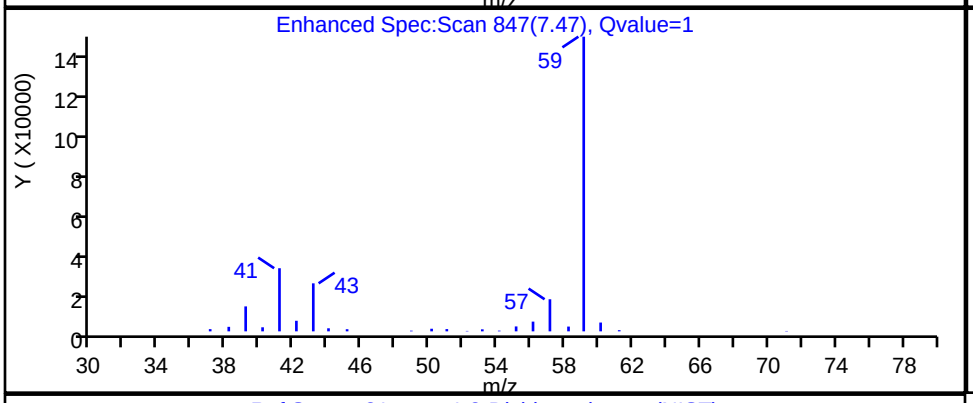
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20180417-30131.b\30131_15.D				
Injection Date:	17-Apr-2018 20:55:30	Instrument ID:	CHX.i		
Lims ID:	200-43091-A-4	Lab Sample ID:	200-43091-4		
Client ID:	SV004				
Operator ID:	PAD	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

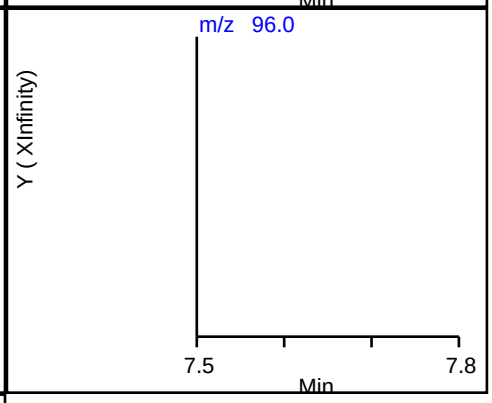
31 trans-1,2-Dichloroethene, CAS: 156-60-5

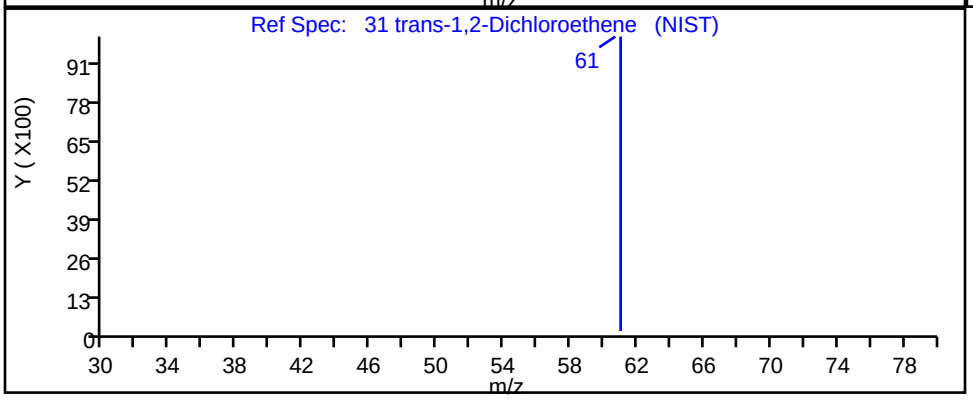
Processing Results











RT	Mass	Response	Amount
7.47	61.00	570	0.030763
7.66	96.00	0	

Reviewer: bunmaa, 18-Apr-2018 14:48:20

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

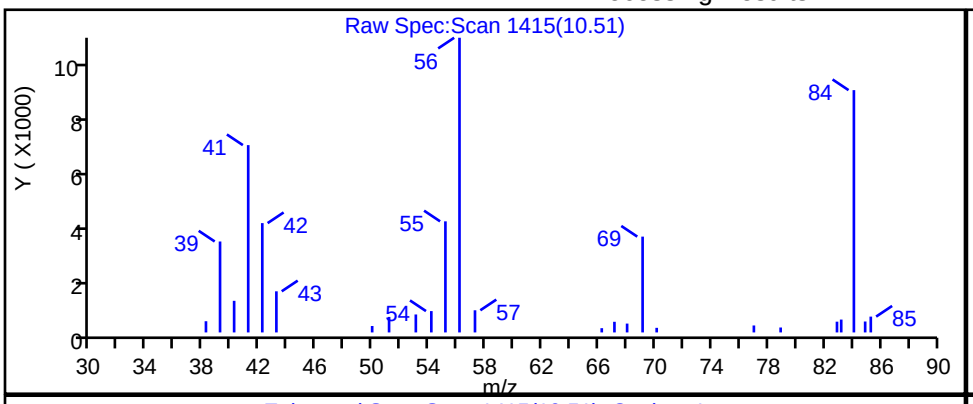
User Disabled Compound Report

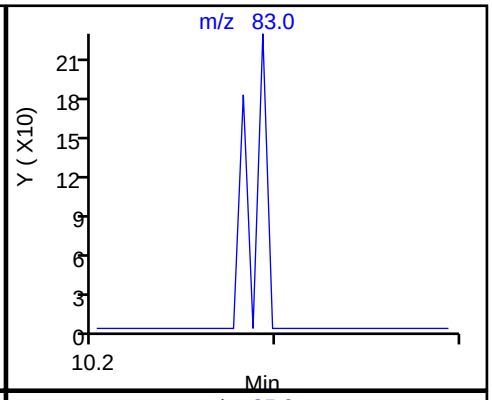
TestAmerica Burlington

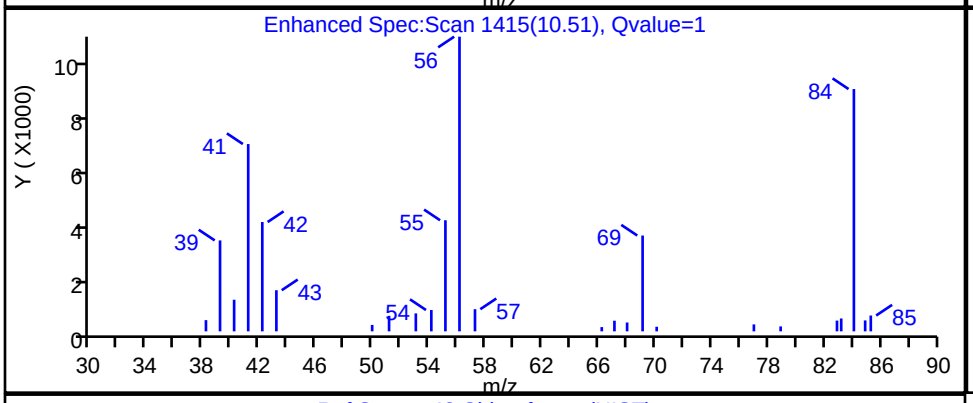
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20180417-30131.b\30131_15.D				
Injection Date:	17-Apr-2018 20:55:30	Instrument ID:	CHX.i		
Lims ID:	200-43091-A-4	Lab Sample ID:	200-43091-4		
Client ID:	SV004				
Operator ID:	PAD	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

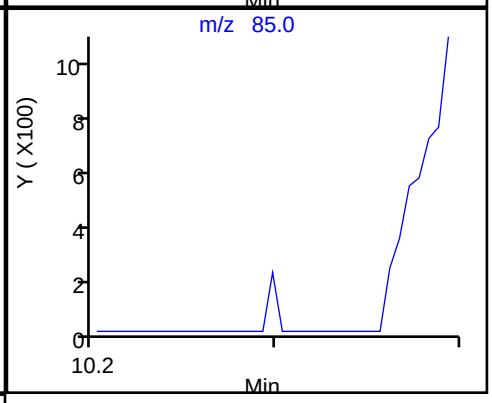
42 Chloroform, CAS: 67-66-3

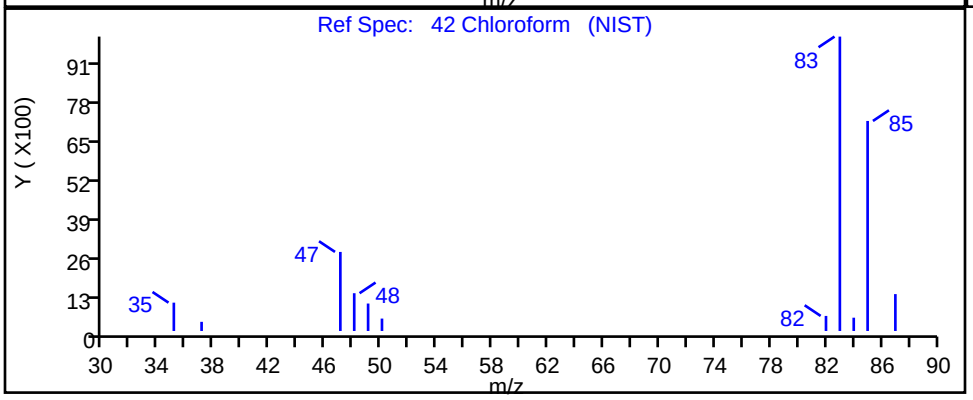
Processing Results











RT	Mass	Response	Amount
10.51	83.00	1011	0.031139
10.51	85.00	681	

Reviewer: bunmaa, 18-Apr-2018 14:48:20

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

TestAmerica Burlington

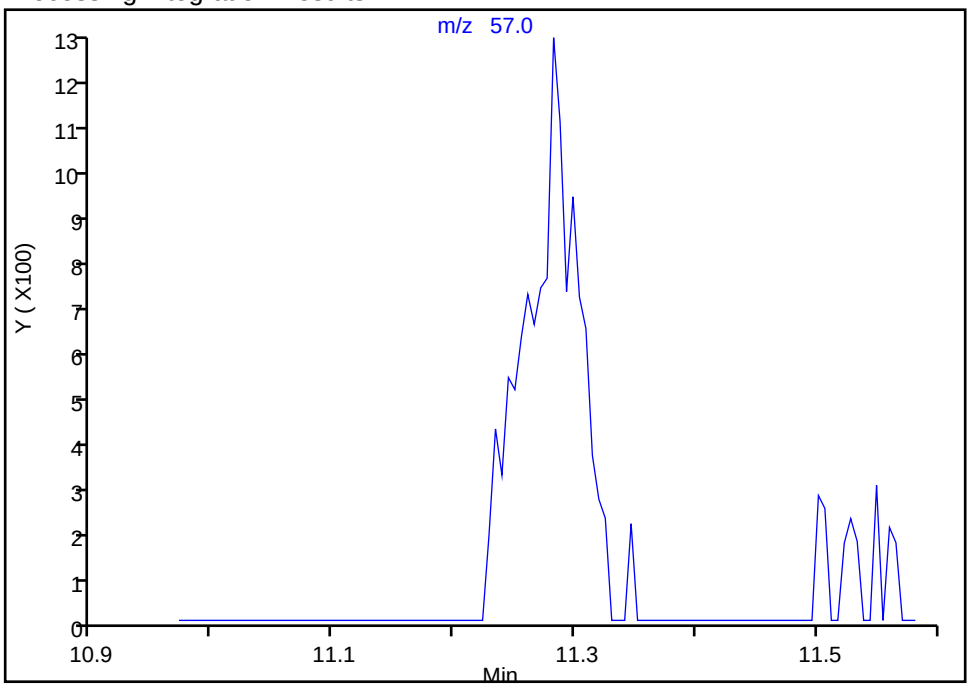
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20180417-30131.b\30131_15.D				
Injection Date:	17-Apr-2018 20:55:30	Instrument ID:	CHX.i		
Lims ID:	200-43091-A-4	Lab Sample ID:	200-43091-4		
Client ID:	SV004				
Operator ID:	PAD	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

46 Isooctane, CAS: 540-84-1

Signal: 1

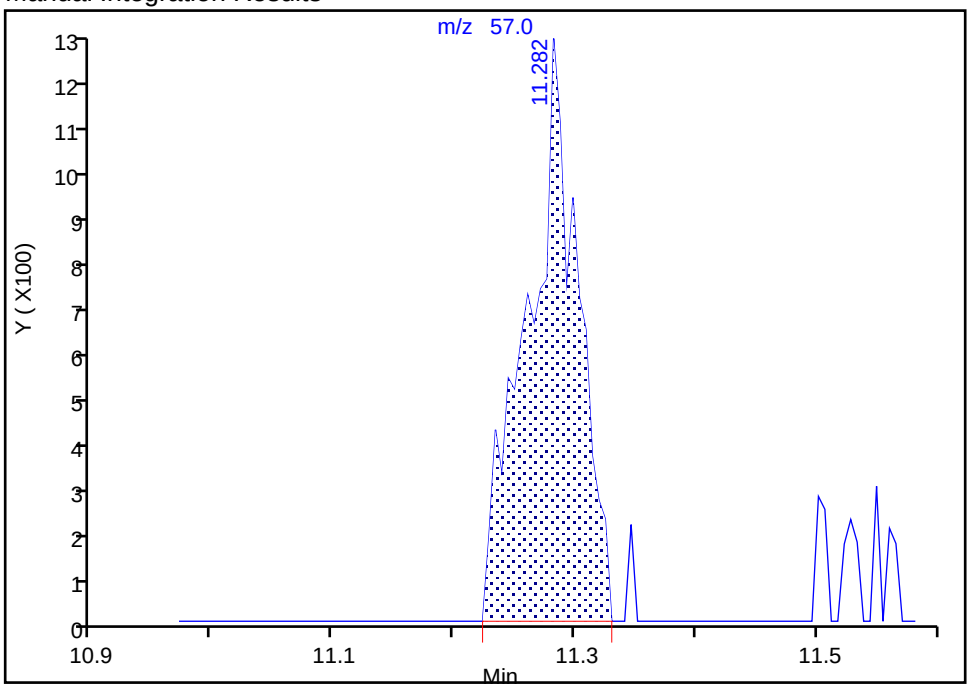
Not Detected
Expected RT: 11.28

Processing Integration Results



Manual Integration Results

RT: 11.28
Area: 3688
Amount: 0.047525
Amount Units: ppb v/v



Reviewer: bunmaa, 18-Apr-2018 14:39:50
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

TestAmerica Burlington

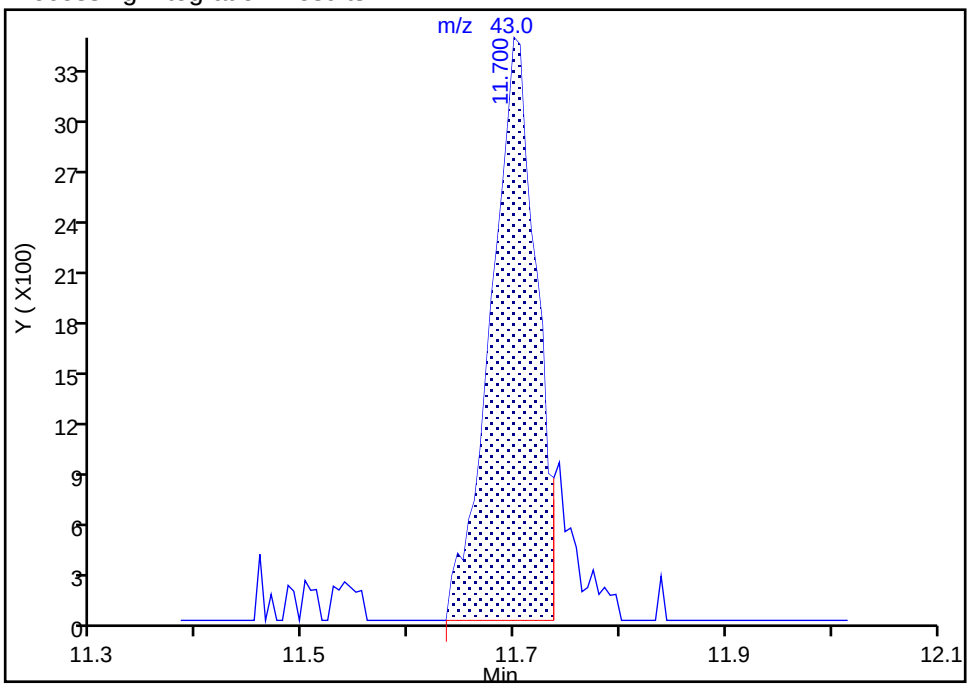
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20180417-30131.b\30131_15.D				
Injection Date:	17-Apr-2018 20:55:30	Instrument ID:	CHX.i		
Lims ID:	200-43091-A-4	Lab Sample ID:	200-43091-4		
Client ID:	SV004				
Operator ID:	PAD	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

49 n-Heptane, CAS: 142-82-5

Signal: 1

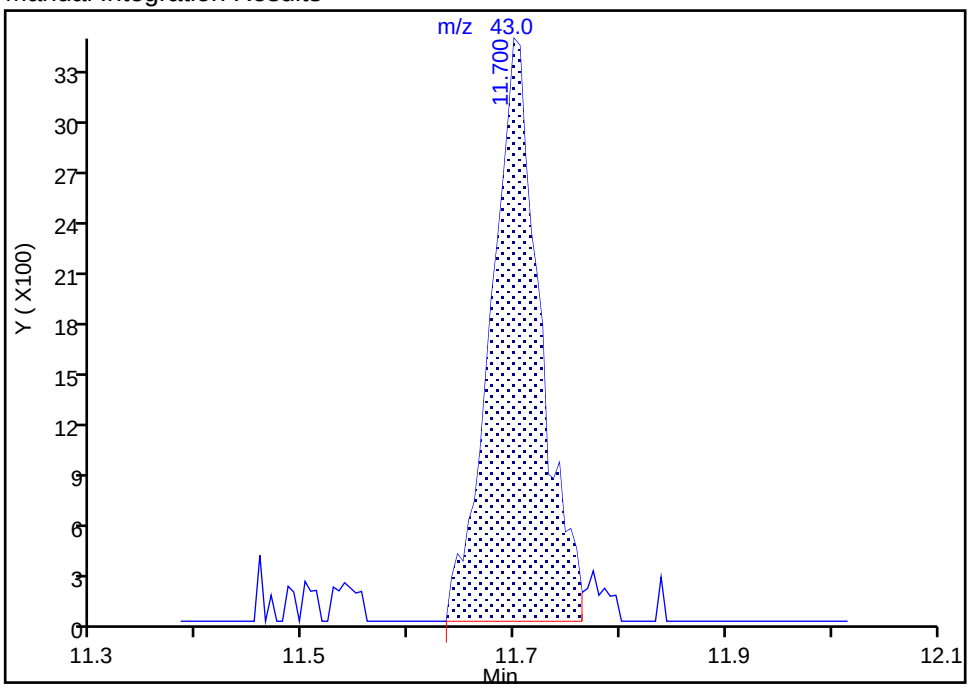
Processing Integration Results

RT: 11.70
Area: 10387
Amount: 0.352941
Amount Units: ppb v/v



Manual Integration Results

RT: 11.70
Area: 11236
Amount: 0.381790
Amount Units: ppb v/v



Reviewer: bunmaa, 18-Apr-2018 14:40:27

Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

TestAmerica Burlington

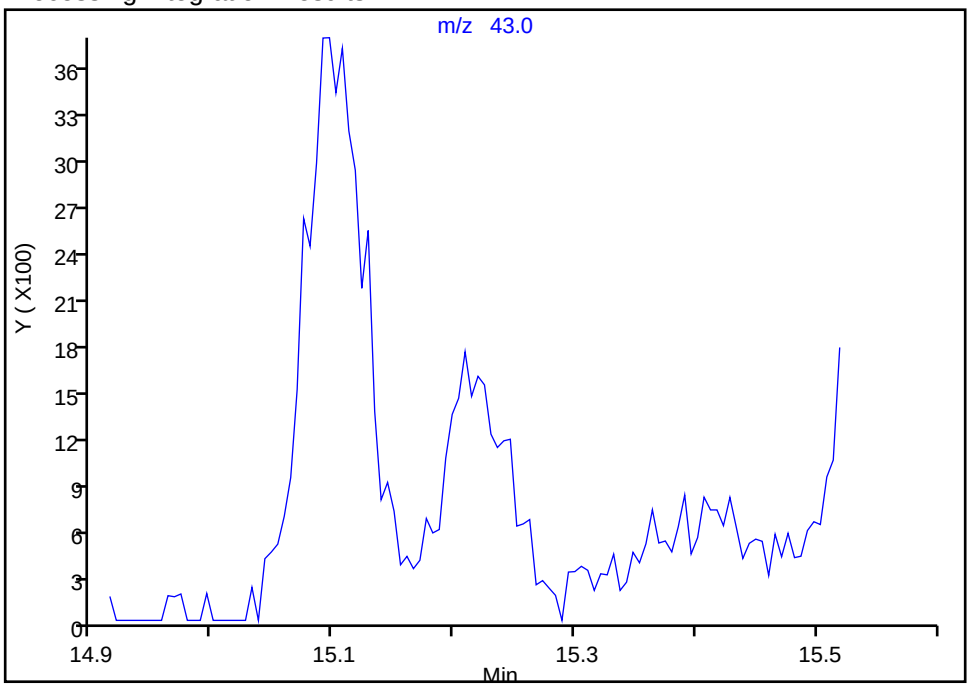
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20180417-30131.b\30131_15.D				
Injection Date:	17-Apr-2018 20:55:30	Instrument ID:	CHX.i		
Lims ID:	200-43091-A-4	Lab Sample ID:	200-43091-4		
Client ID:	SV004				
Operator ID:	PAD	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

61 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Signal: 1

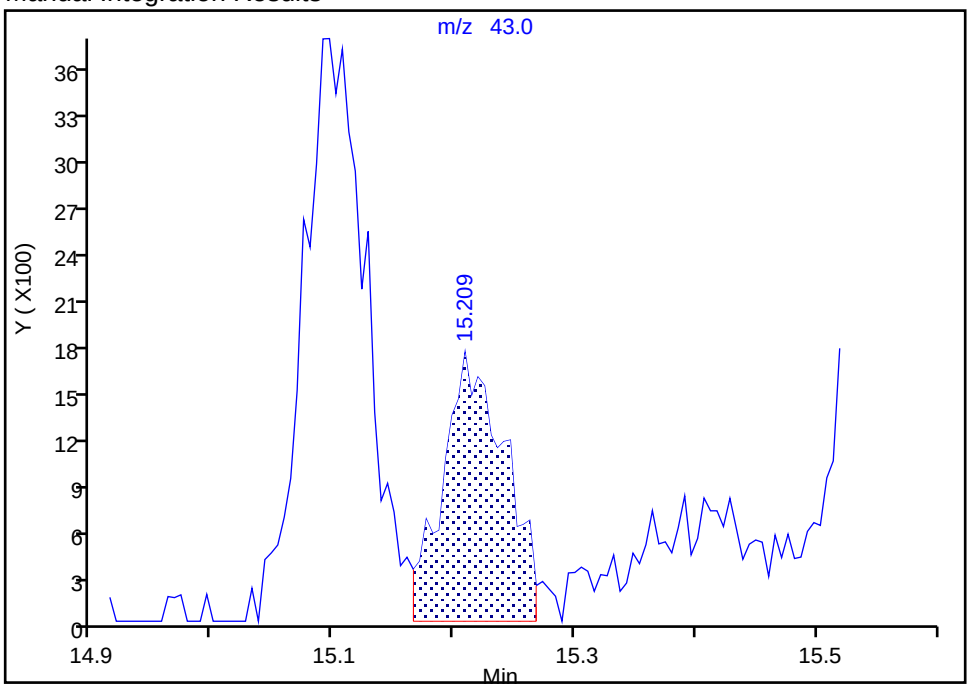
Not Detected
Expected RT: 15.20

Processing Integration Results



Manual Integration Results

RT: 15.21
Area: 6203
Amount: 0.149265
Amount Units: ppb v/v



Reviewer: bunmaa, 18-Apr-2018 14:41:31
Audit Action: Manually Integrated Audit Reason: Assign Peak

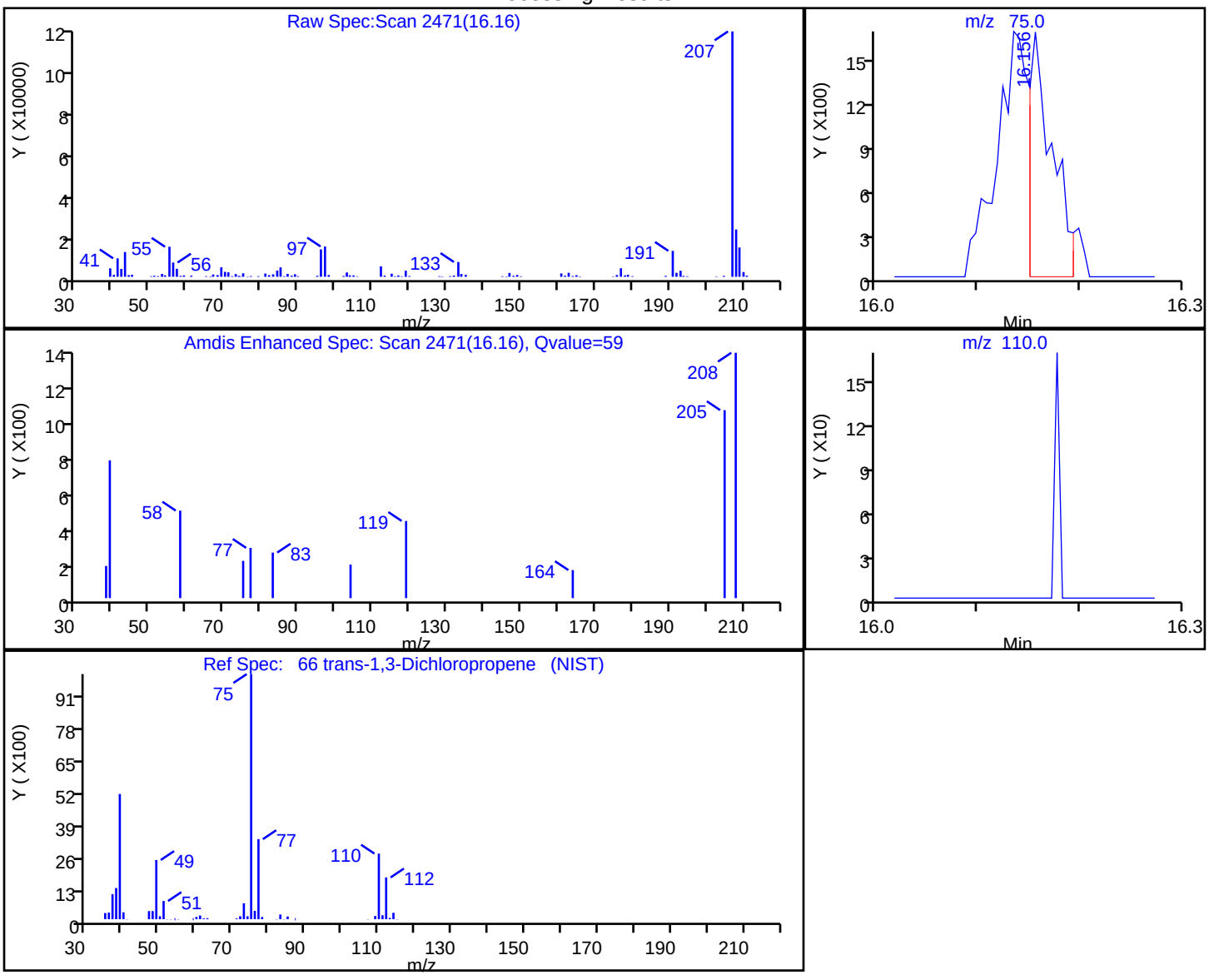
User Disabled Compound Report

TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20180417-30131.b\30131_15.D				
Injection Date:	17-Apr-2018 20:55:30	Instrument ID:	CHX.i		
Lims ID:	200-43091-A-4	Lab Sample ID:	200-43091-4		
Client ID:	SV004				
Operator ID:	PAD	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

66 trans-1,3-Dichloropropene, CAS: 10061-02-6

Processing Results



RT	Mass	Response	Amount
16.16	75.00	2600	0.076439
16.15	110.00	0	

Reviewer: bunmaa, 18-Apr-2018 14:48:20

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

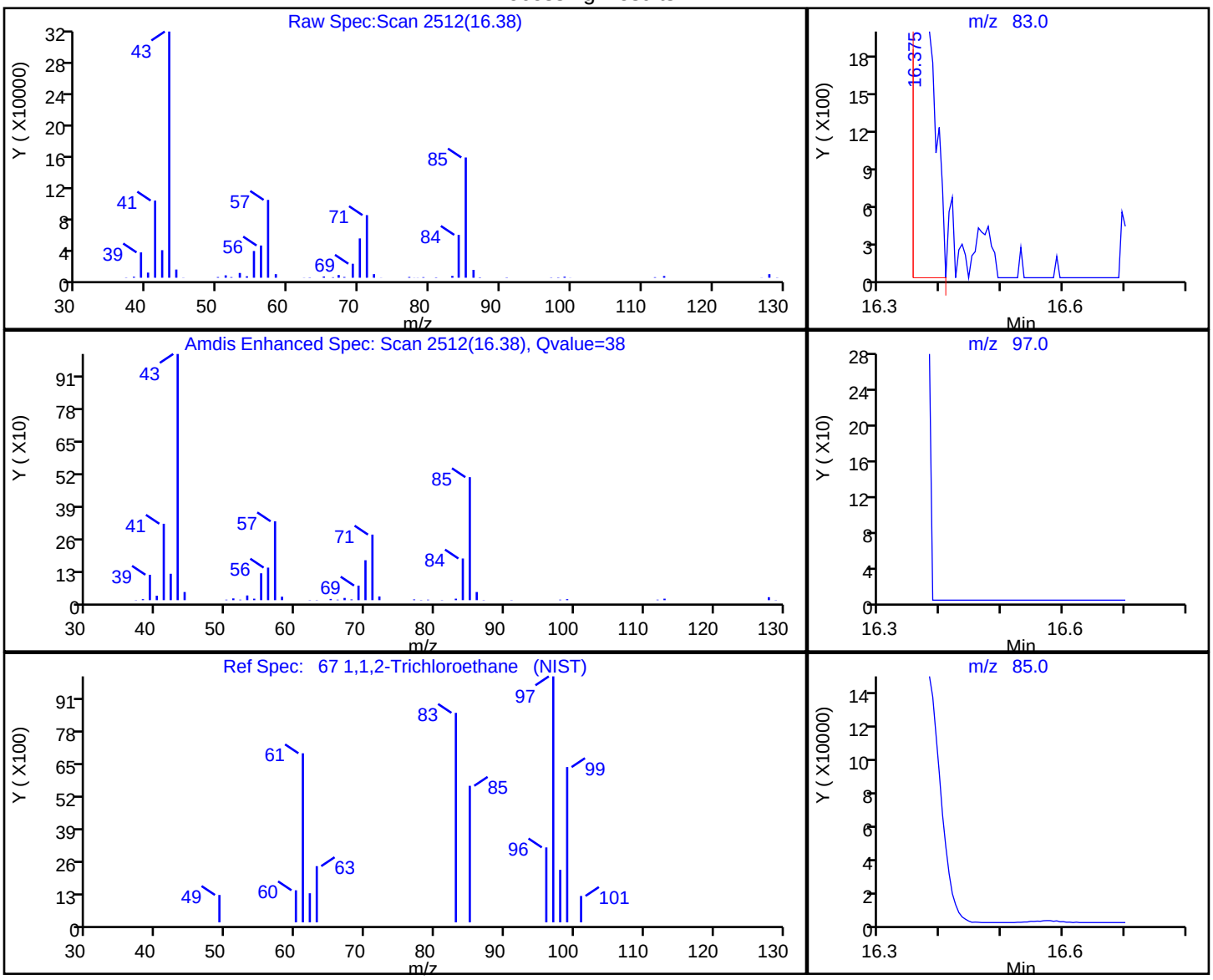
User Disabled Compound Report

TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20180417-30131.b\30131_15.D				
Injection Date:	17-Apr-2018 20:55:30	Instrument ID:	CHX.i		
Lims ID:	200-43091-A-4	Lab Sample ID:	200-43091-4		
Client ID:	SV004				
Operator ID:	PAD	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

67 1,1,2-Trichloroethane, CAS: 79-00-5

Processing Results



RT	Mass	Response	Amount
16.38	83.00	4812	0.220588
16.54	97.00	0	
16.37	85.00	534685	

Reviewer: bunmaa, 18-Apr-2018 14:48:20

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

TestAmerica Burlington

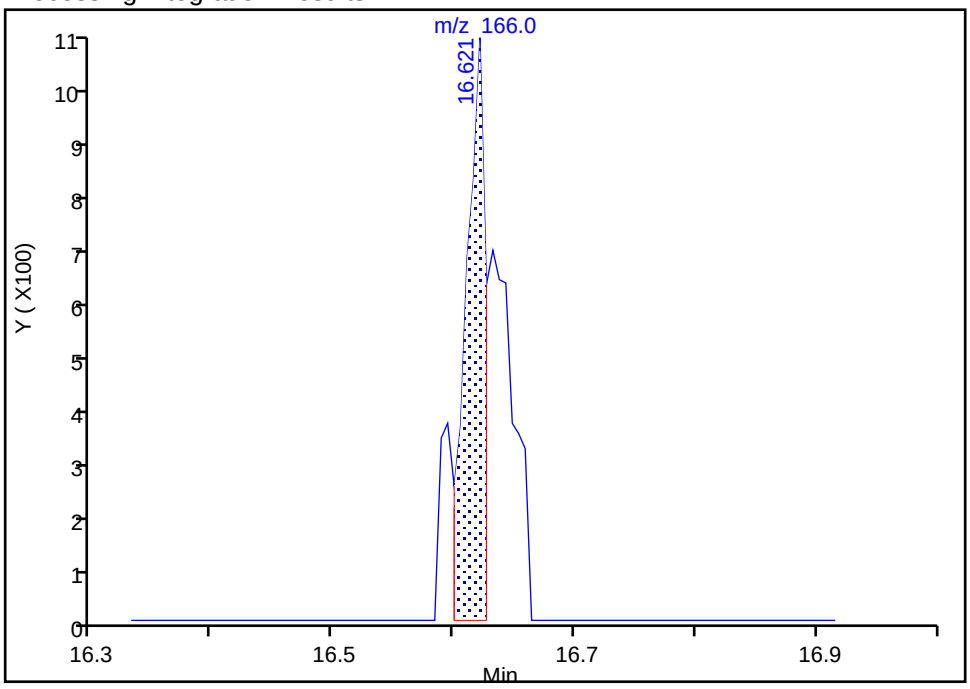
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20180417-30131.b\30131_15.D				
Injection Date:	17-Apr-2018 20:55:30	Instrument ID:	CHX.i		
Lims ID:	200-43091-A-4	Lab Sample ID:	200-43091-4		
Client ID:	SV004				
Operator ID:	PAD	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

68 Tetrachloroethene, CAS: 127-18-4

Signal: 1

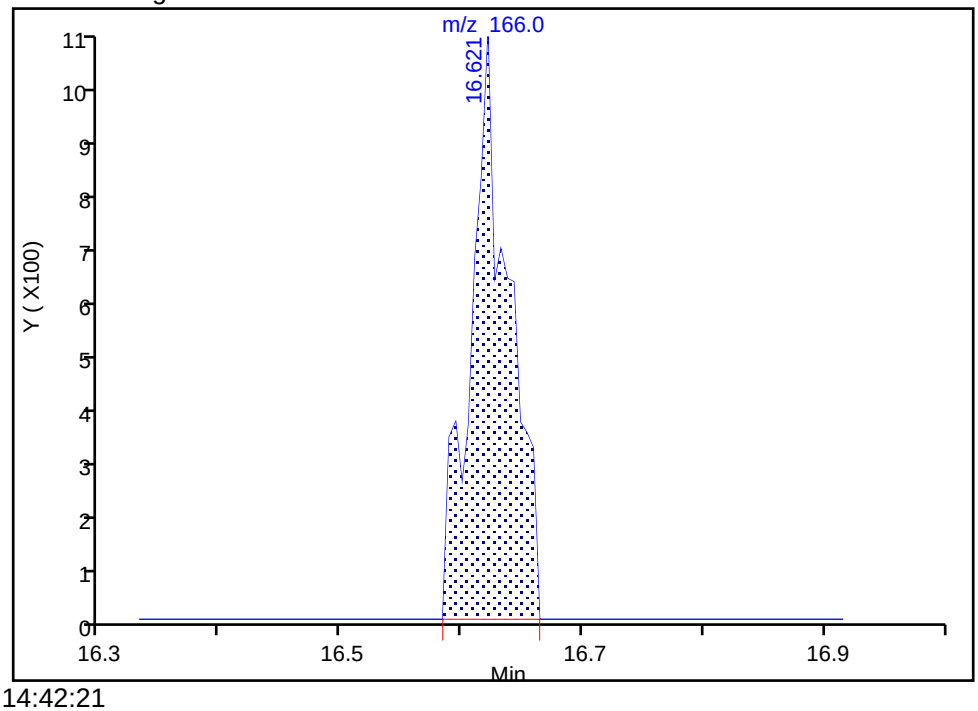
Processing Integration Results

RT: 16.62
Area: 1192
Amount: 0.025920
Amount Units: ppb v/v



Manual Integration Results

RT: 16.62
Area: 2345
Amount: 0.050993
Amount Units: ppb v/v



Reviewer: bunmaa, 18-Apr-2018 14:42:21

Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

TestAmerica Burlington

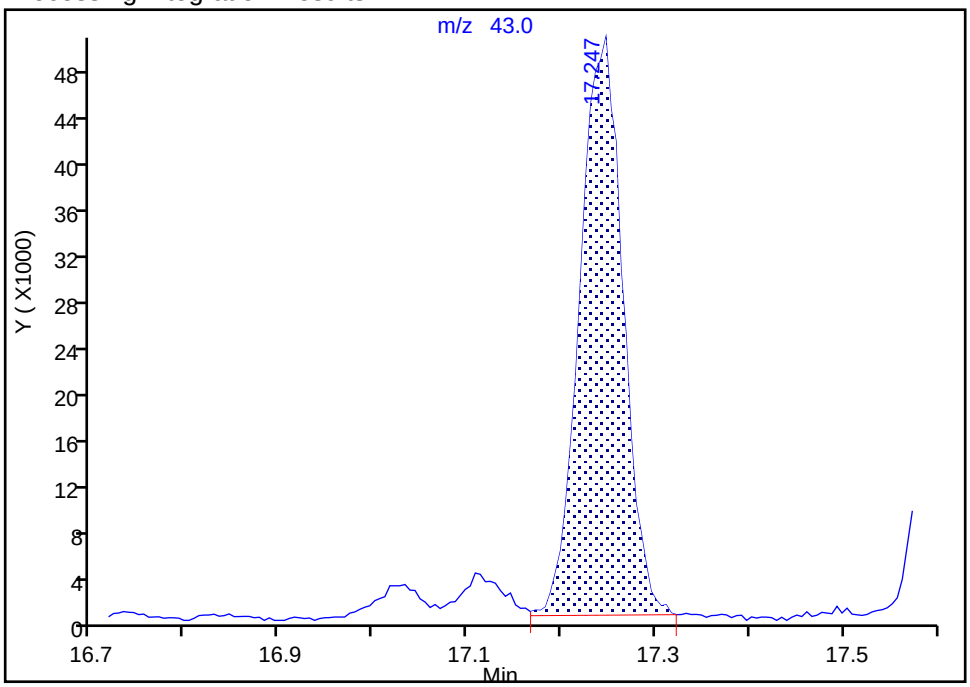
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20180417-30131.b\30131_15.D				
Injection Date:	17-Apr-2018 20:55:30	Instrument ID:	CHX.i		
Lims ID:	200-43091-A-4	Lab Sample ID:	200-43091-4		
Client ID:	SV004				
Operator ID:	PAD	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

69 2-Hexanone, CAS: 591-78-6

Signal: 1

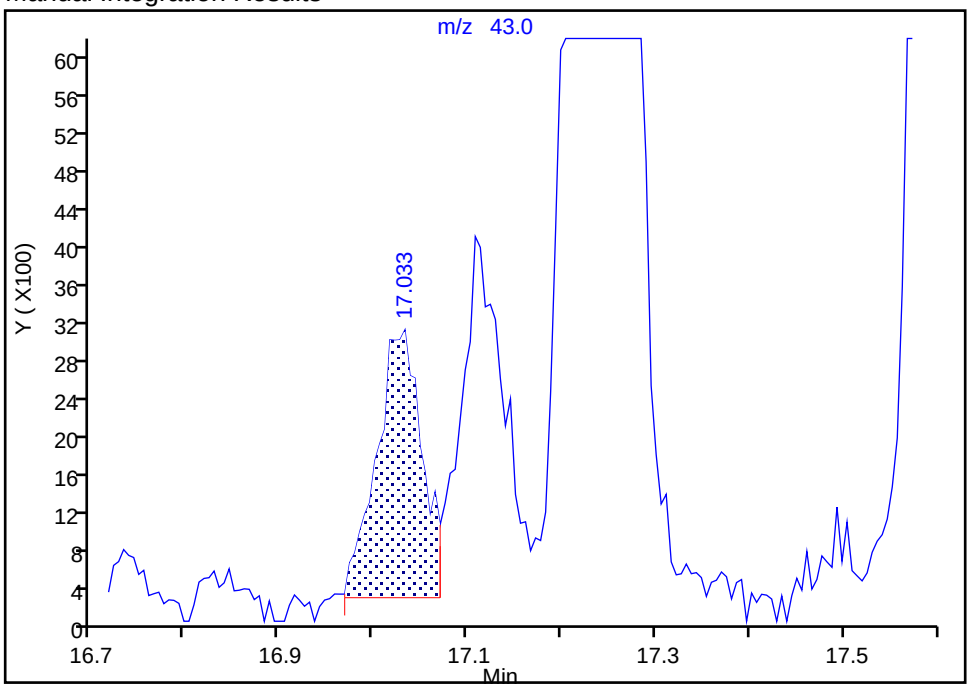
Processing Integration Results

RT: 17.25
Area: 158318
Amount: 3.545800
Amount Units: ppb v/v



Manual Integration Results

RT: 17.03
Area: 9530
Amount: 0.213441
Amount Units: ppb v/v



Reviewer: bunmaa, 18-Apr-2018 14:42:40

Audit Action: Manually Integrated Audit Reason: Assign Peak

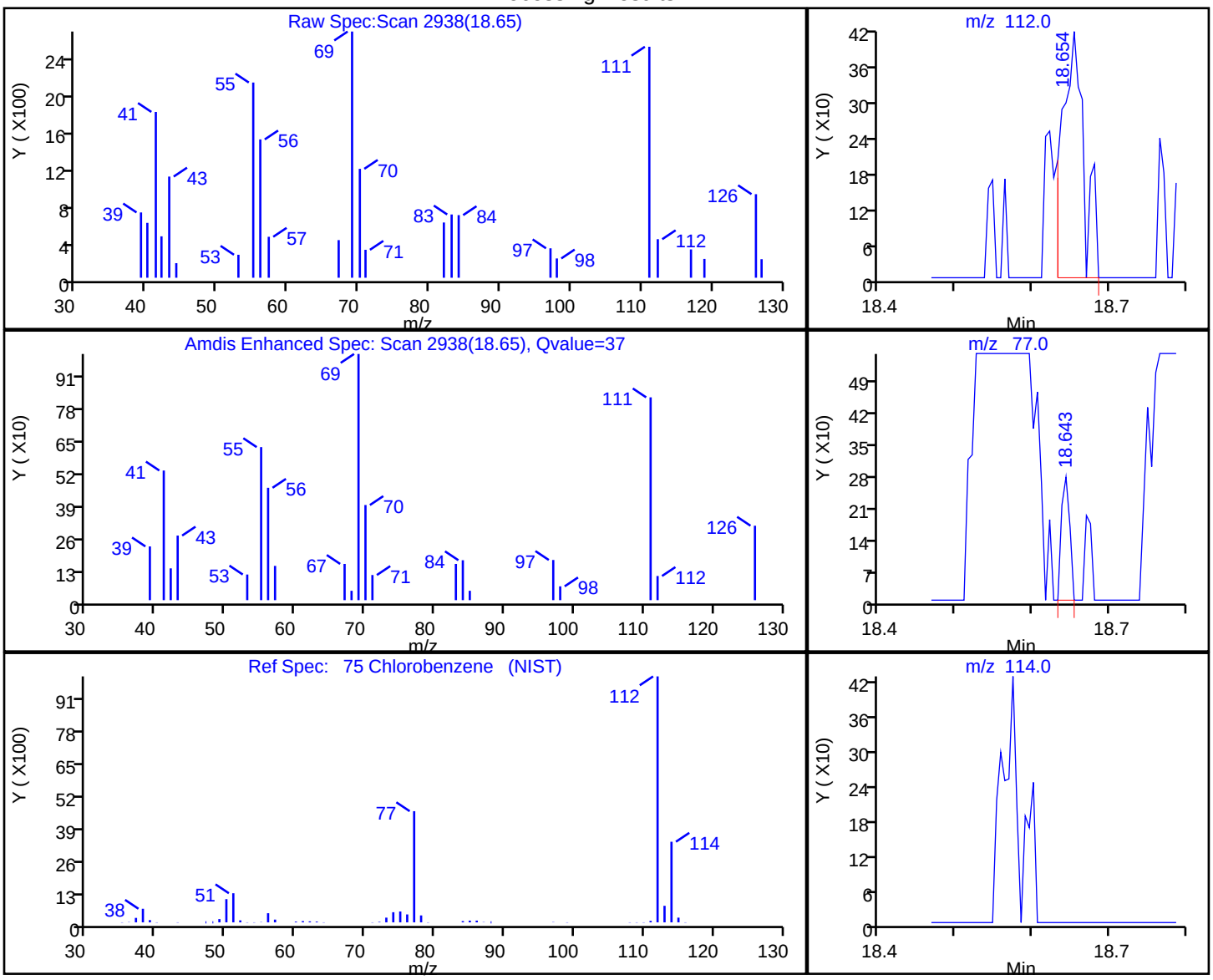
User Disabled Compound Report

TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20180417-30131.b\30131_15.D				
Injection Date:	17-Apr-2018 20:55:30	Instrument ID:	CHX.i		
Lims ID:	200-43091-A-4	Lab Sample ID:	200-43091-4		
Client ID:	SV004				
Operator ID:	PAD	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

75 Chlorobenzene, CAS: 108-90-7

Processing Results



RT	Mass	Response	Amount
18.65	112.00	809	0.012467
18.64	77.00	206	
18.63	114.00	0	

Reviewer: bunmaa, 18-Apr-2018 14:48:20

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

TestAmerica Burlington

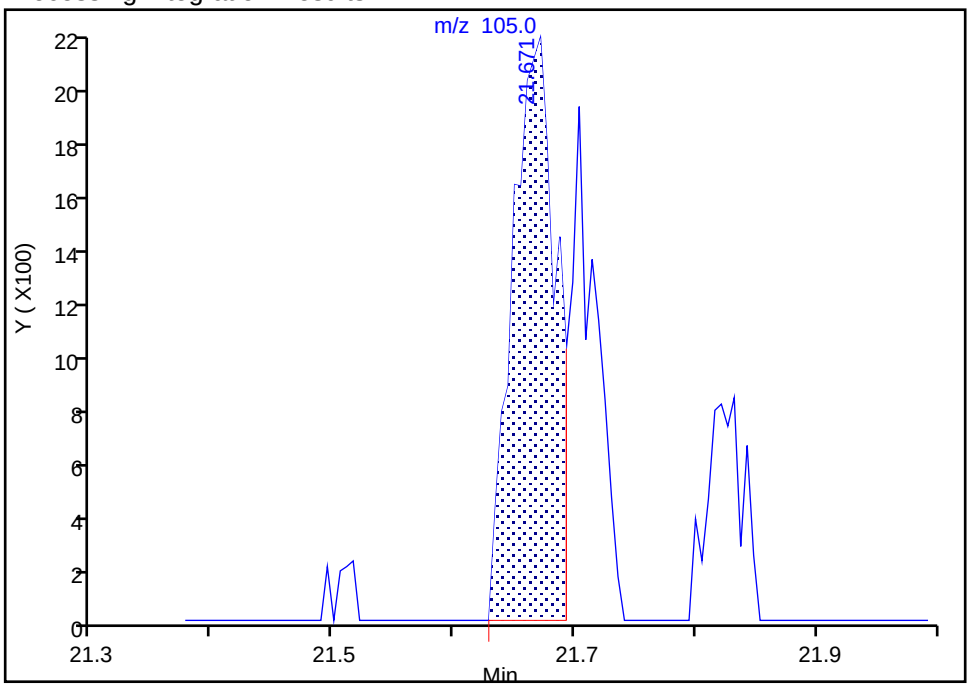
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20180417-30131.b\30131_15.D				
Injection Date:	17-Apr-2018 20:55:30	Instrument ID:	CHX.i		
Lims ID:	200-43091-A-4	Lab Sample ID:	200-43091-4		
Client ID:	SV004				
Operator ID:	PAD	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

88 4-Ethyltoluene, CAS: 622-96-8

Signal: 1

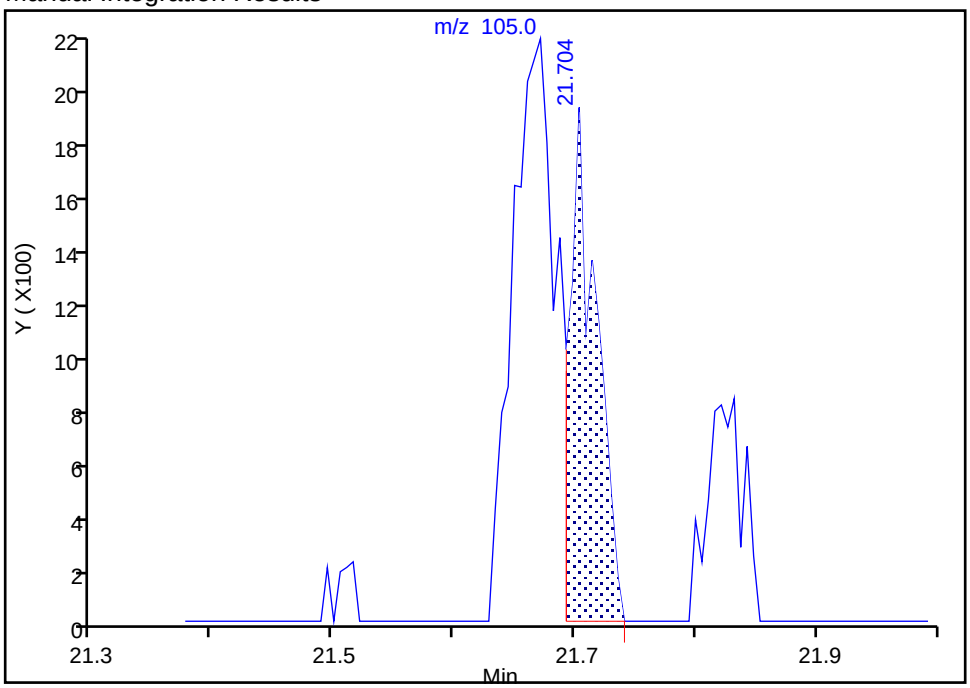
Processing Integration Results

RT: 21.67
Area: 5434
Amount: 0.045744
Amount Units: ppb v/v



Manual Integration Results

RT: 21.70
Area: 2927
Amount: 0.024640
Amount Units: ppb v/v



Reviewer: bunmaa, 18-Apr-2018 14:44:31

Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

TestAmerica Burlington

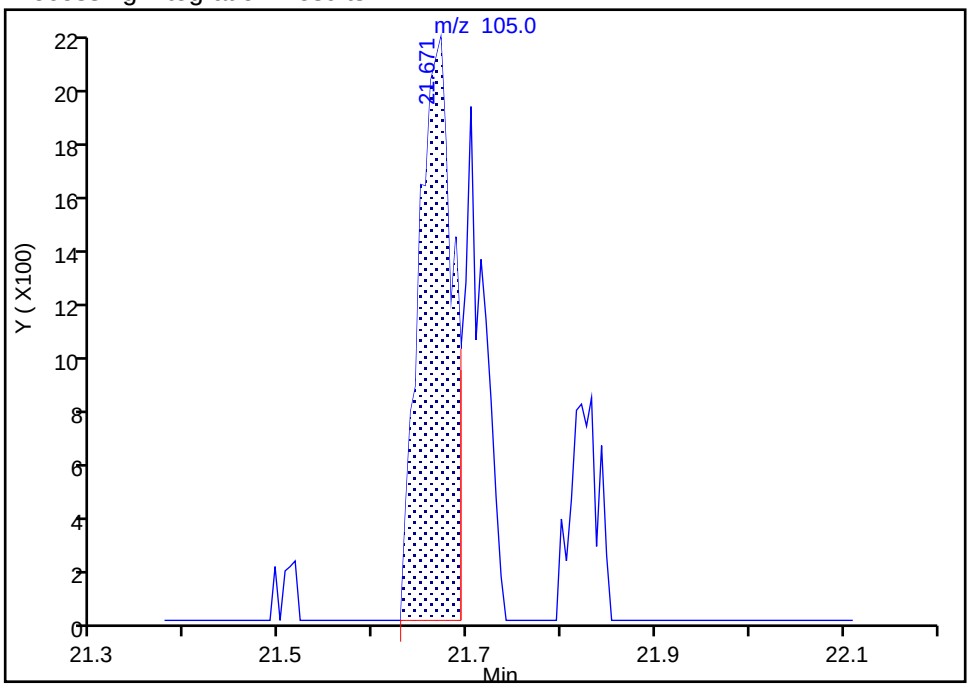
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20180417-30131.b\30131_15.D				
Injection Date:	17-Apr-2018 20:55:30	Instrument ID:	CHX.i		
Lims ID:	200-43091-A-4	Lab Sample ID:	200-43091-4		
Client ID:	SV004				
Operator ID:	PAD	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

90 1,3,5-Trimethylbenzene, CAS: 108-67-8

Signal: 1

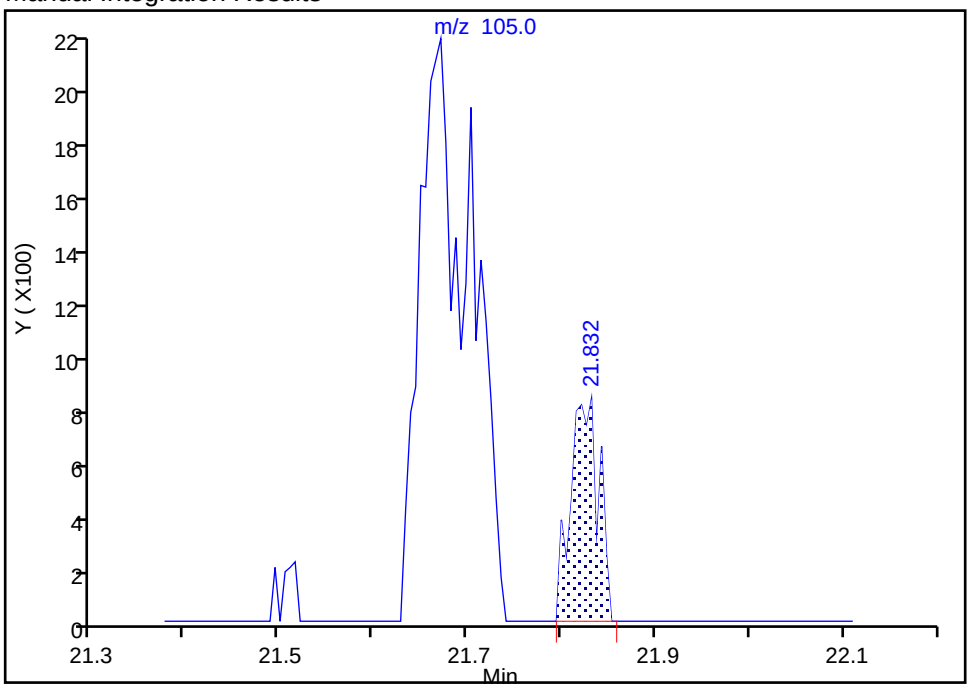
Processing Integration Results

RT: 21.67
Area: 5434
Amount: 0.055305
Amount Units: ppb v/v



Manual Integration Results

RT: 21.83
Area: 1718
Amount: 0.017485
Amount Units: ppb v/v



Reviewer: bunmaa, 18-Apr-2018 14:45:22

Audit Action: Manually Integrated Audit Reason: Assign Peak

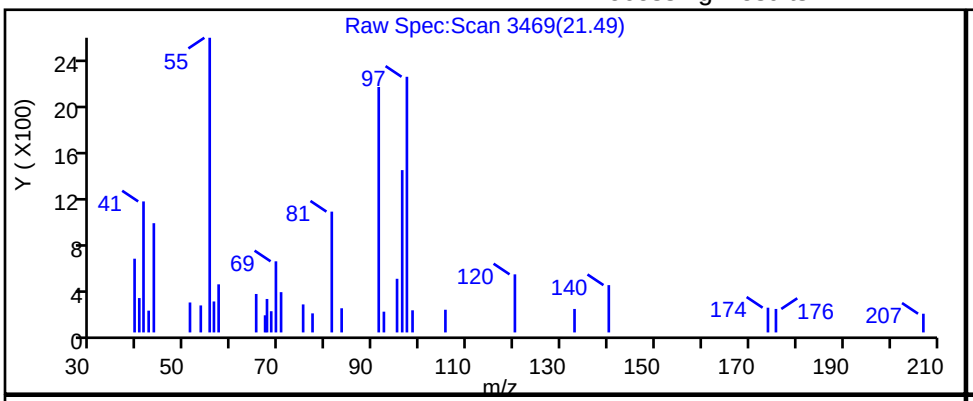
User Disabled Compound Report

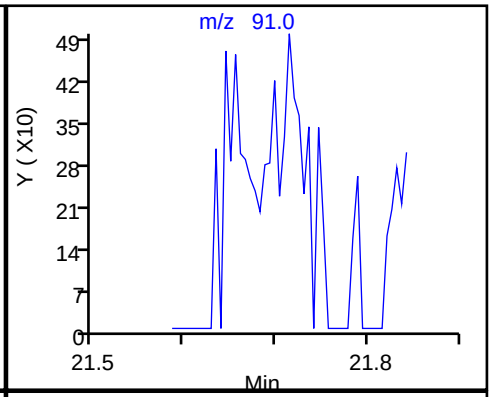
TestAmerica Burlington

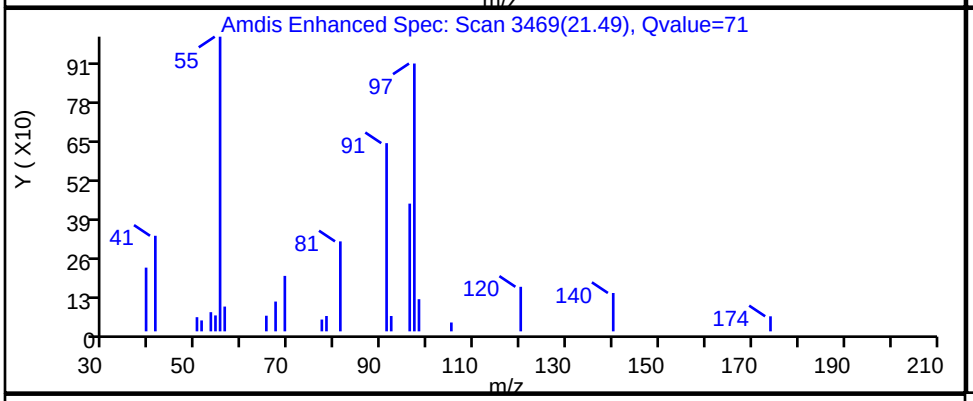
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20180417-30131.b\30131_15.D				
Injection Date:	17-Apr-2018 20:55:30	Instrument ID:	CHX.i		
Lims ID:	200-43091-A-4	Lab Sample ID:	200-43091-4		
Client ID:	SV004				
Operator ID:	PAD	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

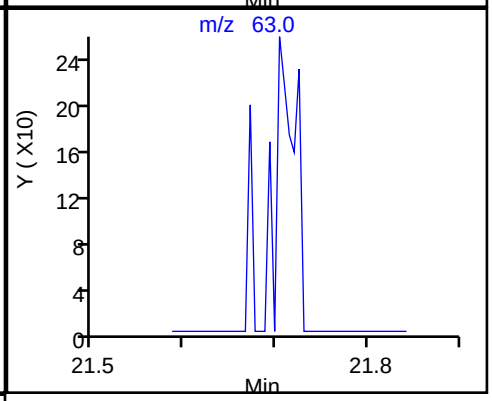
89 2-Chlorotoluene, CAS: 95-49-8

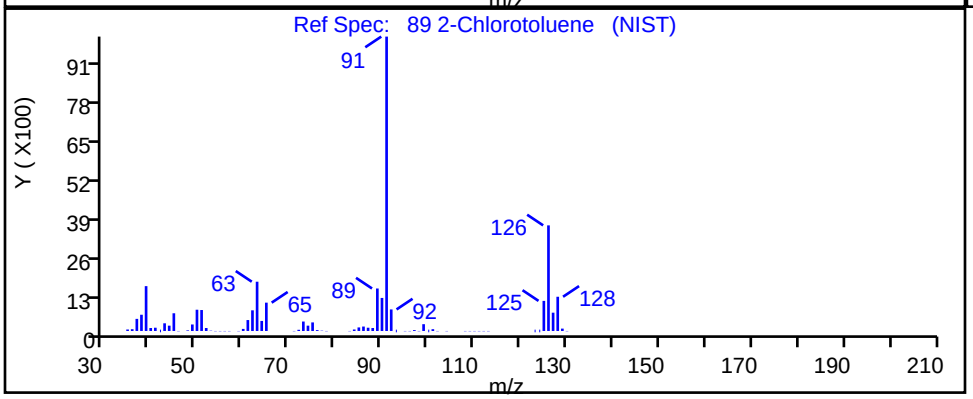
Processing Results











RT	Mass	Response	Amount
21.49	91.00	3172	0.032691
21.71	63.00	0	

Reviewer: bunmaa, 18-Apr-2018 14:48:20

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

TestAmerica Burlington

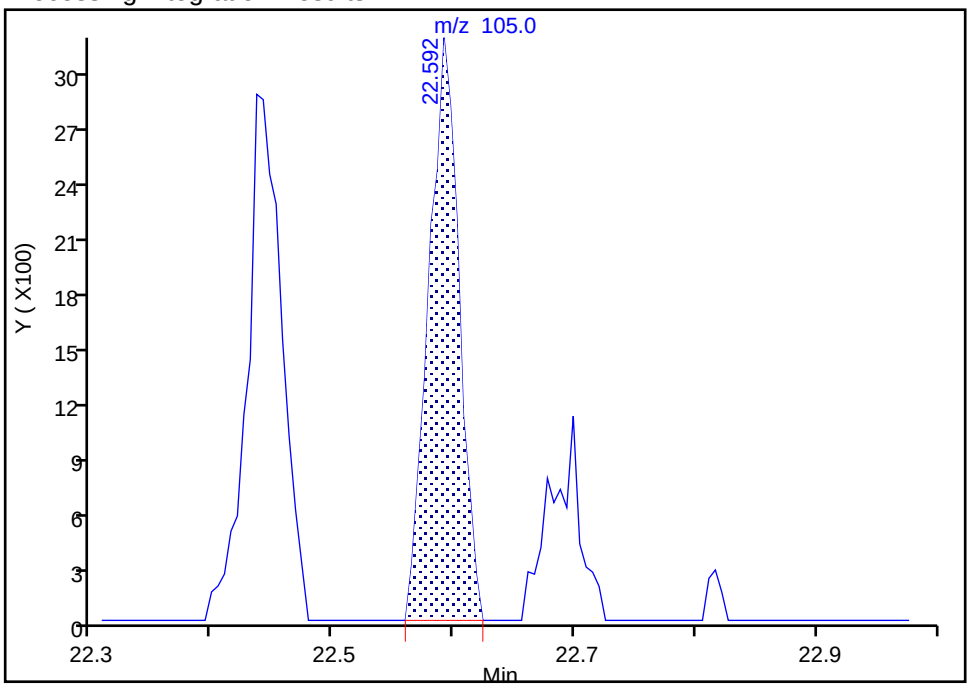
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20180417-30131.b\30131_15.D				
Injection Date:	17-Apr-2018 20:55:30	Instrument ID:	CHX.i		
Lims ID:	200-43091-A-4	Lab Sample ID:	200-43091-4		
Client ID:	SV004				
Operator ID:	PAD	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

94 sec-Butylbenzene, CAS: 135-98-8

Signal: 1

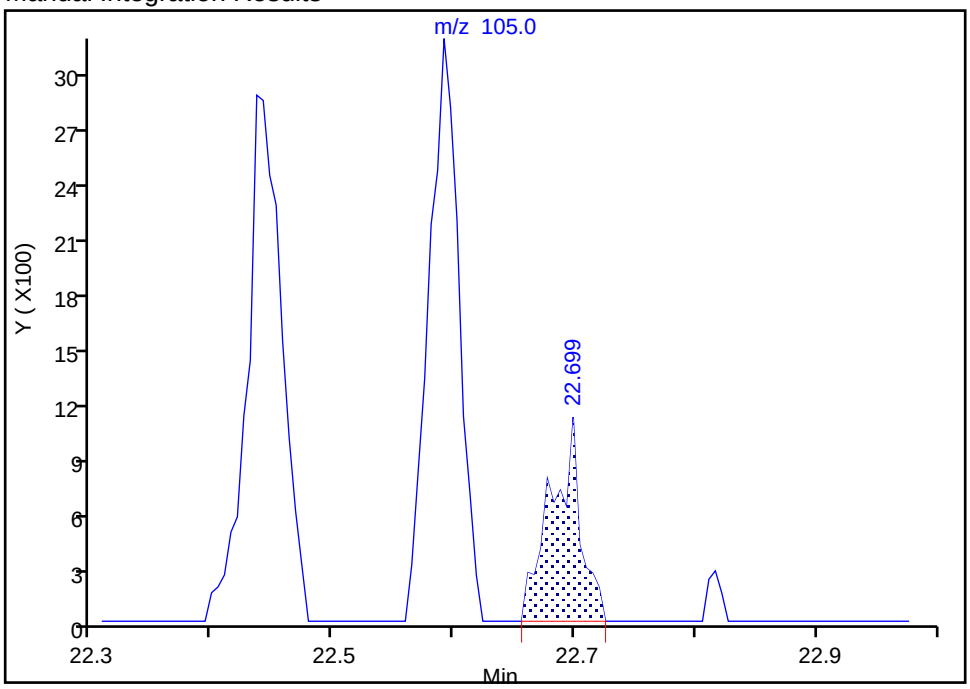
Processing Integration Results

RT: 22.59
Area: 5583
Amount: 0.039459
Amount Units: ppb v/v



Manual Integration Results

RT: 22.70
Area: 1912
Amount: 0.013513
Amount Units: ppb v/v



Reviewer: bunmaa, 18-Apr-2018 14:45:44

Audit Action: Manually Integrated Audit Reason: Assign Peak

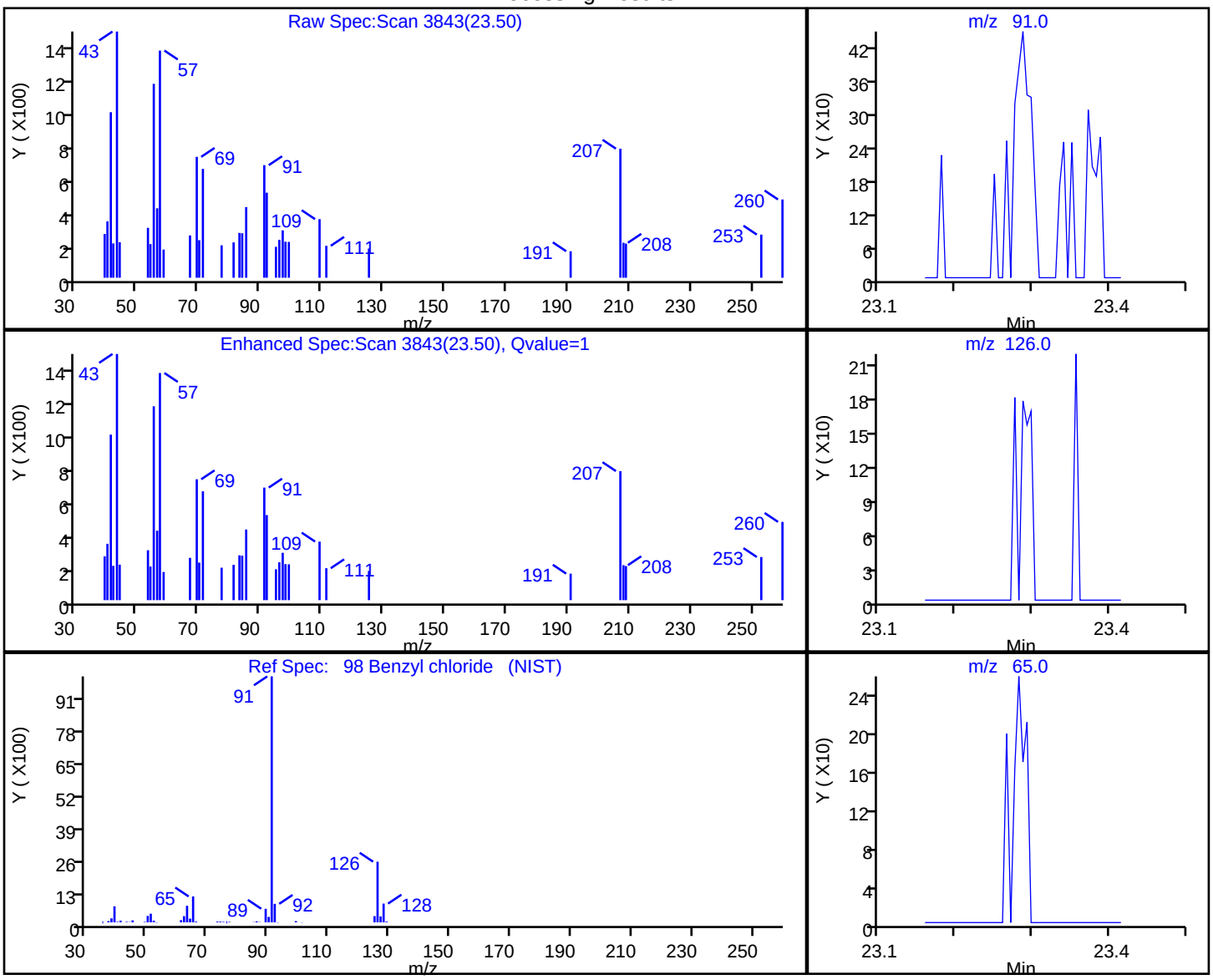
User Disabled Compound Report

TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20180417-30131.b\30131_15.D				
Injection Date:	17-Apr-2018 20:55:30	Instrument ID:	CHX.i		
Lims ID:	200-43091-A-4	Lab Sample ID:	200-43091-4		
Client ID:	SV004				
Operator ID:	PAD	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

98 Benzyl chloride, CAS: 100-44-7

Processing Results



RT	Mass	Response	Amount
23.50	91.00	1187	0.014889
23.29	126.00	0	
23.29	65.00	0	

Reviewer: bunmaa, 18-Apr-2018 14:48:20

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

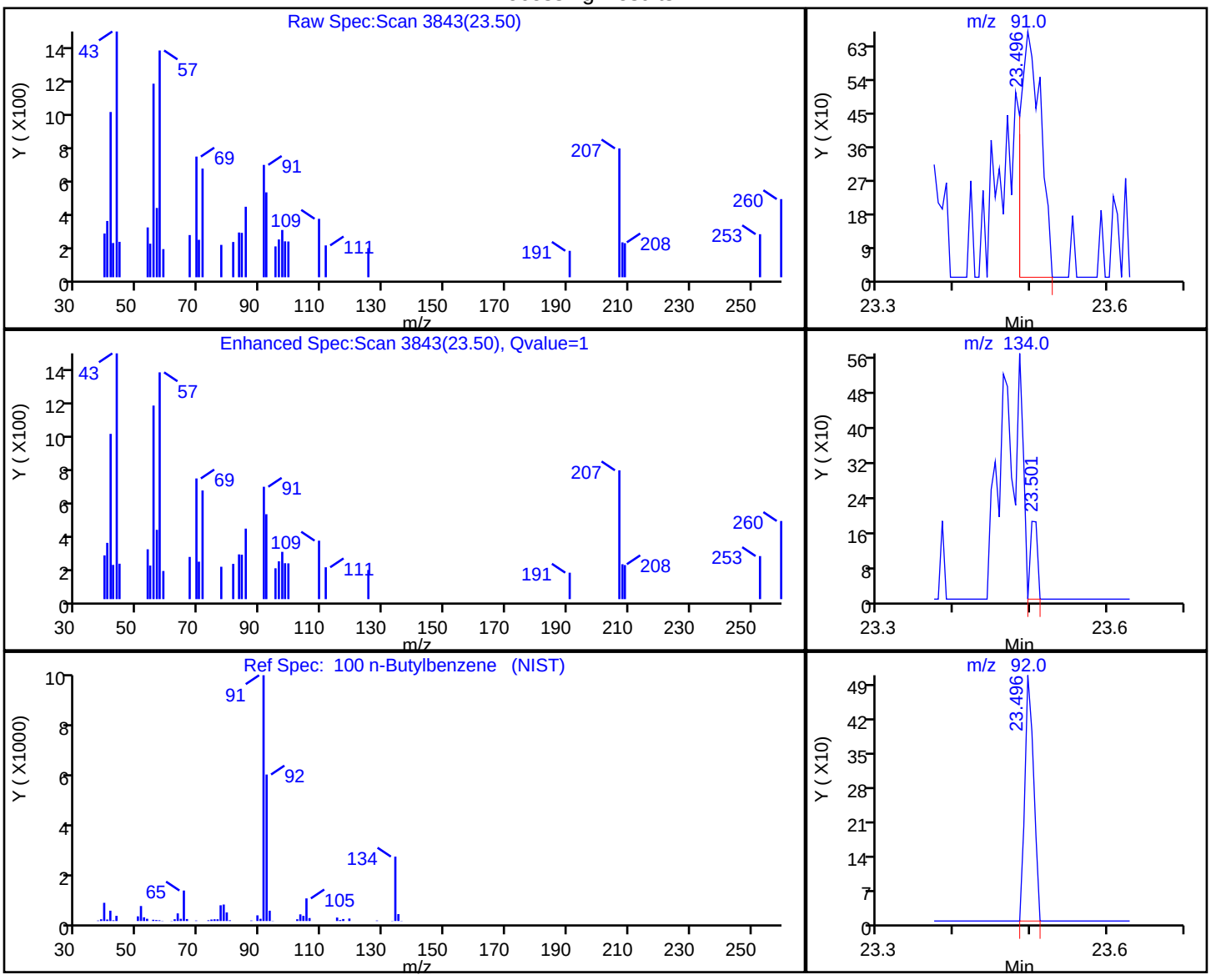
User Disabled Compound Report

TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20180417-30131.b\30131_15.D				
Injection Date:	17-Apr-2018 20:55:30	Instrument ID:	CHX.i		
Lims ID:	200-43091-A-4	Lab Sample ID:	200-43091-4		
Client ID:	SV004				
Operator ID:	PAD	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

100 n-Butylbenzene, CAS: 104-51-8

Processing Results



RT	Mass	Response	Amount
23.50	91.00	1187	0.011000
23.50	134.00	115	
23.50	92.00	402	

Reviewer: bunmaa, 18-Apr-2018 14:48:20

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

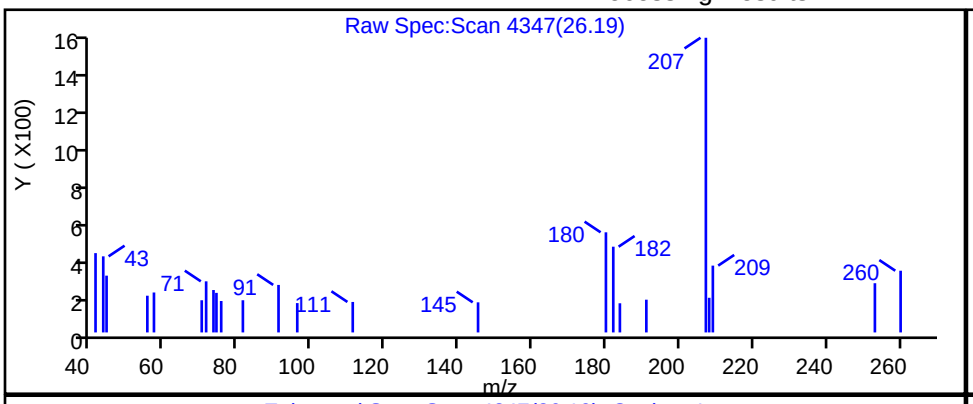
User Disabled Compound Report

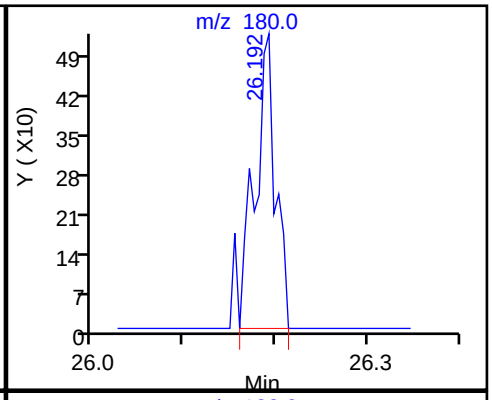
TestAmerica Burlington

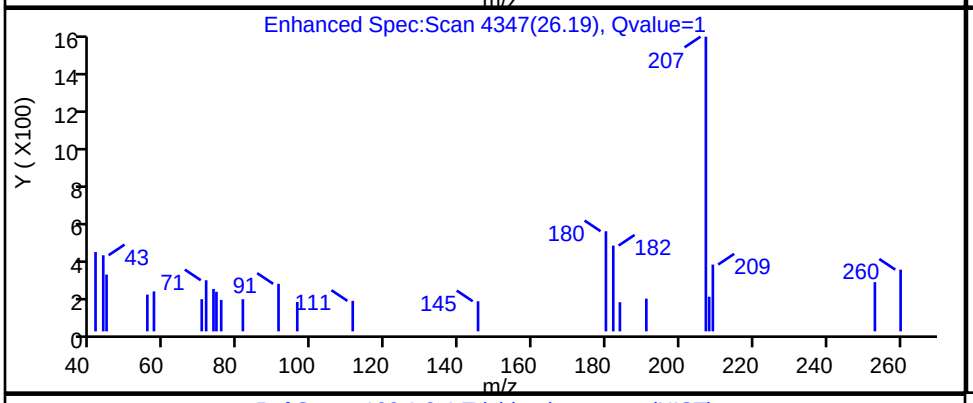
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20180417-30131.b\30131_15.D				
Injection Date:	17-Apr-2018 20:55:30	Instrument ID:	CHX.i		
Lims ID:	200-43091-A-4	Lab Sample ID:	200-43091-4		
Client ID:	SV004				
Operator ID:	PAD	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

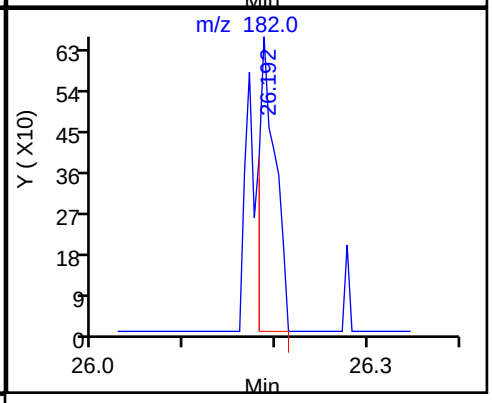
103 1,2,4-Trichlorobenzene, CAS: 120-82-1

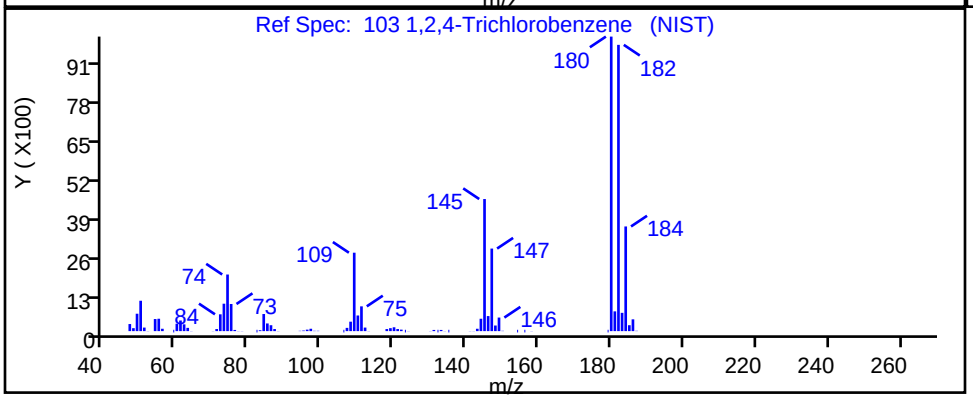
Processing Results











RT	Mass	Response	Amount
26.19	180.00	815	0.015162
26.19	182.00	782	

Reviewer: bunmaa, 18-Apr-2018 14:48:20

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

TestAmerica Burlington

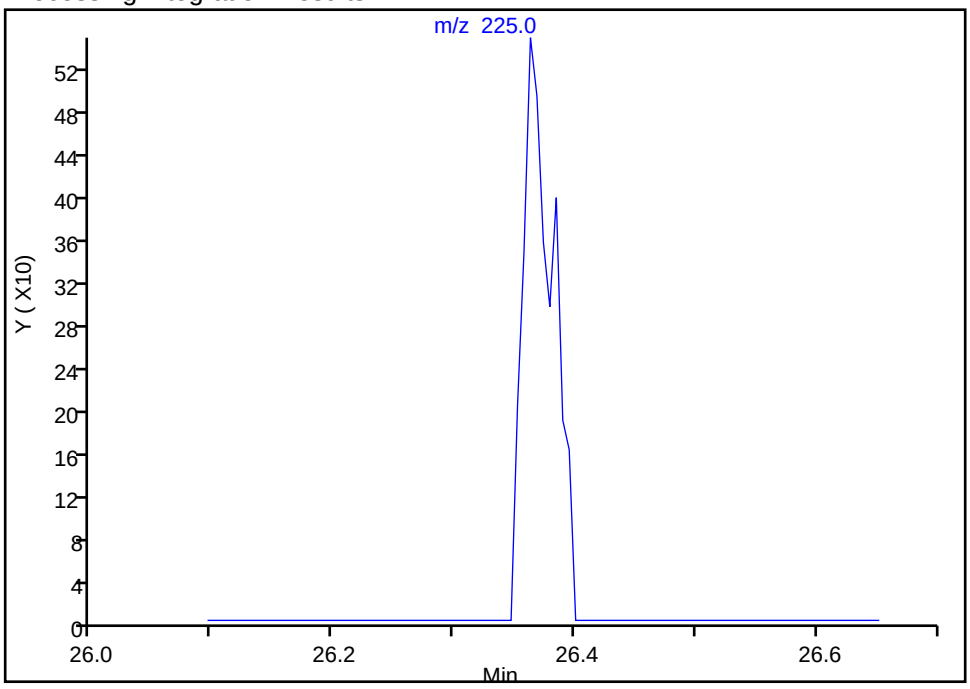
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20180417-30131.b\30131_15.D				
Injection Date:	17-Apr-2018 20:55:30	Instrument ID:	CHX.i		
Lims ID:	200-43091-A-4	Lab Sample ID:	200-43091-4		
Client ID:	SV004				
Operator ID:	PAD	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

104 Hexachlorobutadiene, CAS: 87-68-3

Signal: 1

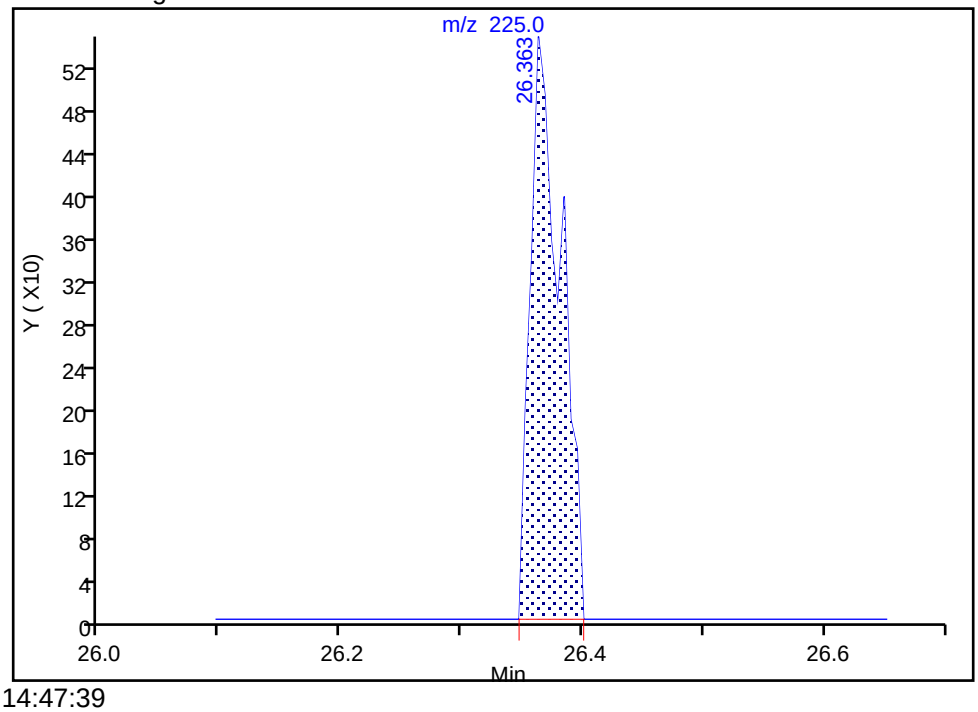
Not Detected
Expected RT: 26.37

Processing Integration Results



Manual Integration Results

RT: 26.36
Area: 962
Amount: 0.017485
Amount Units: ppb v/v



Reviewer: bunmaa, 18-Apr-2018 14:47:39
Audit Action: Assigned Compound ID Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

TestAmerica Burlington

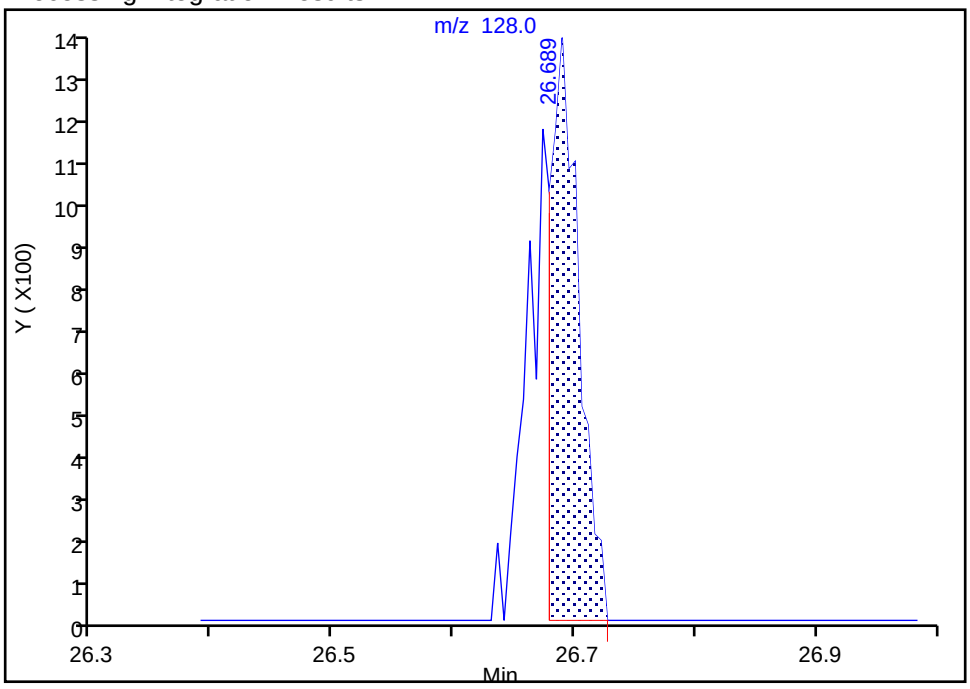
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20180417-30131.b\30131_15.D				
Injection Date:	17-Apr-2018 20:55:30	Instrument ID:	CHX.i		
Lims ID:	200-43091-A-4	Lab Sample ID:	200-43091-4		
Client ID:	SV004				
Operator ID:	PAD	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

105 Naphthalene, CAS: 91-20-3

Signal: 1

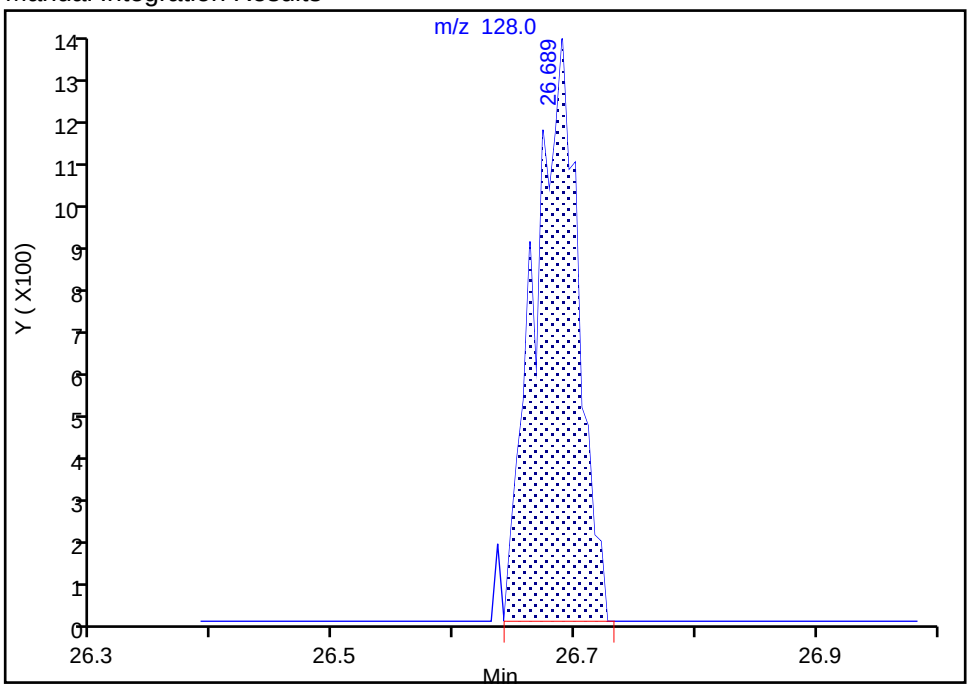
Processing Integration Results

RT: 26.69
Area: 2291
Amount: 0.020822
Amount Units: ppb v/v



Manual Integration Results

RT: 26.69
Area: 3504
Amount: 0.031847
Amount Units: ppb v/v



Reviewer: bunmaa, 18-Apr-2018 14:47:59

Audit Action: Manually Integrated Audit Reason: Assign Peak

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-43091-1

SDG No.: 200-43091-1

Client Sample ID: AMBIENT | Lab Sample ID: 200-43091-5

Matrix: Air | Lab File ID: 30158-09.D

Analysis Method: TO-15 | Date Collected: 04/13/2018 12:05

Sample wt/vol: 200(mL) | Date Analyzed: 04/18/2018 17:02

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 128592 | Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	0.45	J	0.50	0.20
75-45-6	Chlorodifluoromethane	86.47	0.27	J	0.50	0.26
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.20	U	0.20	0.068
74-87-3	Chloromethane	50.49	0.69		0.50	0.25
106-97-8	n-Butane	58.12	0.66		0.50	0.31
75-01-4	Vinyl chloride	62.50	0.035	U	0.035	0.041
106-99-0	1,3-Butadiene	54.09	0.20	U	0.20	0.065
74-83-9	Bromomethane	94.94	0.20	U	0.20	0.062
75-00-3	Chloroethane	64.52	0.50	U	0.50	0.21
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.20	U	0.20	0.056
75-69-4	Trichlorofluoromethane	137.37	0.24		0.20	0.062
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	0.071	J	0.20	0.031
75-35-4	1,1-Dichloroethene	96.94	0.035	U	0.035	0.034
67-64-1	Acetone	58.08	6.6		5.0	2.6
67-63-0	Isopropyl alcohol	60.10	5.0	U	5.0	1.8
75-15-0	Carbon disulfide	76.14	0.50	U	0.50	0.12
107-05-1	3-Chloropropene	76.53	0.50	U	0.50	0.27
75-09-2	Methylene Chloride	84.93	1.1		0.50	0.20
75-65-0	tert-Butyl alcohol	74.12	5.0	U	5.0	1.5
1634-04-4	Methyl tert-butyl ether	88.15	0.20	U	0.20	0.061
156-60-5	trans-1,2-Dichloroethene	96.94	0.20	U	0.20	0.074
110-54-3	n-Hexane	86.17	0.18	J	0.20	0.16
75-34-3	1,1-Dichloroethane	98.96	0.20	U	0.20	0.026
78-93-3	Methyl Ethyl Ketone (2-Butanone)	72.11	1.1		0.50	0.20
156-59-2	cis-1,2-Dichloroethene	96.94	0.035	U	0.035	0.037
67-66-3	Chloroform	119.38	0.20	U	0.20	0.052
109-99-9	Tetrahydrofuran	72.11	5.0	U	5.0	2.6
71-55-6	1,1,1-Trichloroethane	133.41	0.20	U	0.20	0.068
110-82-7	Cyclohexane	84.16	0.20	U	0.20	0.063
56-23-5	Carbon tetrachloride	153.81	0.059		0.035	0.024
540-84-1	2,2,4-Trimethylpentane	114.23	0.20	U	0.20	0.088
71-43-2	Benzene	78.11	0.16	J	0.20	0.071
107-06-2	1,2-Dichloroethane	98.96	0.20	U	0.20	0.063

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-43091-1

SDG No.: 200-43091-1

Client Sample ID: AMBIENT | Lab Sample ID: 200-43091-5

Matrix: Air | Lab File ID: 30158-09.D

Analysis Method: TO-15 | Date Collected: 04/13/2018 12:05

Sample wt/vol: 200(mL) | Date Analyzed: 04/18/2018 17:02

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 128592 | Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
142-82-5	n-Heptane	100.21	0.20	U	0.20	0.14
79-01-6	Trichloroethene	131.39	0.035	U	0.035	0.030
80-62-6	Methyl methacrylate	100.12	0.50	U	0.50	0.22
78-87-5	1,2-Dichloropropane	112.99	0.20	U	0.20	0.12
123-91-1	1,4-Dioxane	88.11	5.0	U	5.0	1.3
75-27-4	Bromodichloromethane	163.83	0.20	U	0.20	0.094
10061-01-5	cis-1,3-Dichloropropene	110.97	0.20	U	0.20	0.098
108-10-1	4-Methyl-2-pentanone (Methyl isobutyl ketone)	100.16	0.50	U	0.50	0.36
108-88-3	Toluene	92.14	0.26		0.20	0.069
10061-02-6	trans-1,3-Dichloropropene	110.97	0.20	U	0.20	0.12
79-00-5	1,1,2-Trichloroethane	133.41	0.20	U	0.20	0.078
127-18-4	Tetrachloroethene	165.83	0.20	U	0.20	0.029
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.50	U	0.50	0.42
124-48-1	Dibromochloromethane	208.29	0.20	U	0.20	0.071
106-93-4	1,2-Dibromoethane	187.87	0.20	U	0.20	0.069
108-90-7	Chlorobenzene	112.56	0.20	U	0.20	0.040
100-41-4	Ethylbenzene	106.17	0.073	J	0.20	0.073
179601-23-1	m,p-Xylene	106.17	0.16	J	0.50	0.070
95-47-6	o-Xylene	106.17	0.072	J	0.20	0.071
100-42-5	Styrene	104.15	0.20	U	0.20	0.086
75-25-2	Bromoform	252.75	0.20	U	0.20	0.086
98-82-8	Cumene	120.19	0.20	U	0.20	0.059
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.20	U	0.20	0.076
103-65-1	n-Propylbenzene	120.19	0.20	U	0.20	0.069
622-96-8	4-Ethyltoluene	120.20	0.20	U	0.20	0.069
108-67-8	1,3,5-Trimethylbenzene	120.20	0.20	U	0.20	0.058
95-49-8	2-Chlorotoluene	126.59	0.20	U	0.20	0.071
98-06-6	tert-Butylbenzene	134.22	0.20	U	0.20	0.058
95-63-6	1,2,4-Trimethylbenzene	120.20	0.20	U	0.20	0.080
135-98-8	sec-Butylbenzene	134.22	0.20	U	0.20	0.066
99-87-6	4-Isopropyltoluene	134.22	0.20	U	0.20	0.075
541-73-1	1,3-Dichlorobenzene	147.00	0.20	U	0.20	0.082
106-46-7	1,4-Dichlorobenzene	147.00	0.20	U	0.20	0.065

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-43091-1

SDG No.: 200-43091-1

Client Sample ID: AMBIENT Lab Sample ID: 200-43091-5

Matrix: Air Lab File ID: 30158-09.D

Analysis Method: TO-15 Date Collected: 04/13/2018 12:05

Sample wt/vol: 200(mL) Date Analyzed: 04/18/2018 17:02

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 128592 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
100-44-7	Benzyl chloride	126.58	0.20	U	0.20	0.12
104-51-8	n-Butylbenzene	134.22	0.20	U	0.20	0.080
95-50-1	1,2-Dichlorobenzene	147.00	0.20	U	0.20	0.071
120-82-1	1,2,4-Trichlorobenzene	181.45	0.50	U	0.50	0.24
87-68-3	Hexachlorobutadiene	260.76	0.20	U	0.20	0.082
91-20-3	Naphthalene	128.17	0.50	U	0.50	0.31

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-43091-1

SDG No.: 200-43091-1

Client Sample ID: AMBIENT | Lab Sample ID: 200-43091-5

Matrix: Air | Lab File ID: 30158-09.D

Analysis Method: TO-15 | Date Collected: 04/13/2018 12:05

Sample wt/vol: 200(mL) | Date Analyzed: 04/18/2018 17:02

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 128592 | Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	2.2	J	2.5	0.99
75-45-6	Chlorodifluoromethane	86.47	0.96	J	1.8	0.92
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.4	U	1.4	0.48
74-87-3	Chloromethane	50.49	1.4		1.0	0.52
106-97-8	n-Butane	58.12	1.6		1.2	0.74
75-01-4	Vinyl chloride	62.50	0.089	U	0.089	0.10
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44	0.14
74-83-9	Bromomethane	94.94	0.78	U	0.78	0.24
75-00-3	Chloroethane	64.52	1.3	U	1.3	0.55
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.87	U	0.87	0.24
75-69-4	Trichlorofluoromethane	137.37	1.4		1.1	0.35
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	0.55	J	1.5	0.24
75-35-4	1,1-Dichloroethene	96.94	0.14	U	0.14	0.13
67-64-1	Acetone	58.08	16		12	6.2
67-63-0	Isopropyl alcohol	60.10	12	U	12	4.4
75-15-0	Carbon disulfide	76.14	1.6	U	1.6	0.37
107-05-1	3-Chloropropene	76.53	1.6	U	1.6	0.85
75-09-2	Methylene Chloride	84.93	3.9		1.7	0.69
75-65-0	tert-Butyl alcohol	74.12	15	U	15	4.5
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72	0.22
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79	0.29
110-54-3	n-Hexane	86.17	0.63	J	0.70	0.56
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81	0.11
78-93-3	Methyl Ethyl Ketone (2-Butanone)	72.11	3.4		1.5	0.59
156-59-2	cis-1,2-Dichloroethene	96.94	0.14	U	0.14	0.15
67-66-3	Chloroform	119.38	0.98	U	0.98	0.25
109-99-9	Tetrahydrofuran	72.11	15	U	15	7.7
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1	0.37
110-82-7	Cyclohexane	84.16	0.69	U	0.69	0.22
56-23-5	Carbon tetrachloride	153.81	0.37		0.22	0.15
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93	0.41
71-43-2	Benzene	78.11	0.52	J	0.64	0.23
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81	0.25

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-43091-1

SDG No.: 200-43091-1

Client Sample ID: AMBIENT | Lab Sample ID: 200-43091-5

Matrix: Air | Lab File ID: 30158-09.D

Analysis Method: TO-15 | Date Collected: 04/13/2018 12:05

Sample wt/vol: 200(mL) | Date Analyzed: 04/18/2018 17:02

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 128592 | Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
142-82-5	n-Heptane	100.21	0.82	U	0.82	0.57
79-01-6	Trichloroethene	131.39	0.19	U	0.19	0.16
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0	0.90
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92	0.55
123-91-1	1,4-Dioxane	88.11	18	U	18	4.7
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3	0.63
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91	0.44
108-10-1	4-Methyl-2-pentanone (Methyl isobutyl ketone)	100.16	2.0	U	2.0	1.5
108-88-3	Toluene	92.14	1.0		0.75	0.26
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91	0.54
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1	0.43
127-18-4	Tetrachloroethene	165.83	1.4	U	1.4	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0	1.7
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7	0.60
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5	0.53
108-90-7	Chlorobenzene	112.56	0.92	U	0.92	0.18
100-41-4	Ethylbenzene	106.17	0.32	J	0.87	0.32
179601-23-1	m,p-Xylene	106.17	0.70	J	2.2	0.30
95-47-6	o-Xylene	106.17	0.31	J	0.87	0.31
100-42-5	Styrene	104.15	0.85	U	0.85	0.37
75-25-2	Bromoform	252.75	2.1	U	2.1	0.89
98-82-8	Cumene	120.19	0.98	U	0.98	0.29
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4	0.52
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98	0.34
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98	0.34
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98	0.29
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0	0.37
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1	0.32
95-63-6	1,2,4-Trimethylbenzene	120.20	0.98	U	0.98	0.39
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1	0.36
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1	0.41
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2	0.49
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2	0.39

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-43091-1

SDG No.: 200-43091-1

Client Sample ID: AMBIENT Lab Sample ID: 200-43091-5

Matrix: Air Lab File ID: 30158-09.D

Analysis Method: TO-15 Date Collected: 04/13/2018 12:05

Sample wt/vol: 200(mL) Date Analyzed: 04/18/2018 17:02

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 128592 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
100-44-7	Benzyl chloride	126.58	1.0	U	1.0	0.62
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1	0.44
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2	0.43
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7	1.8
87-68-3	Hexachlorobutadiene	260.76	2.1	U	2.1	0.87
91-20-3	Naphthalene	128.17	2.6	U	2.6	1.6

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180418-30158.b\30158-09.D
Lims ID: 200-43091-A-5
Client ID: AMBIENT
Sample Type: Client
Inject. Date: 18-Apr-2018 17:02:30 ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0030158-009
Operator ID: pad Instrument ID: CHB.i

Method: \\ChromNA\Burlington\ChromData\CHB.i\20180418-30158.b\TO15_LLNJ_TO3.m
Limit Group: AI_TO15_ICAL
Last Update: 19-Apr-2018 11:29:01 Calib Date: 06-Apr-2018 10:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHB.i\20180405-29969.b\29969-21.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK027

First Level Reviewer: puangmaleek Date: 19-Apr-2018 11:29:01

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	3.193	3.193	0.005	99	40661	0.4542	
3 Chlorodifluoromethane	51	3.225	3.225	0.000	97	12830	0.2709	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.412	3.412	0.005	81	1522	0.0146	7Ma
5 Chloromethane	50	3.535	3.531	0.006	98	22045	0.6875	
6 Butane	43	3.706	3.706	0.000	98	33407	0.6573	
7 Vinyl chloride	62		3.743				ND	
8 Butadiene	54		3.807				ND	
10 Bromomethane	94		4.469				ND	
11 Chloroethane	64		4.693				ND	
13 Vinyl bromide	106		5.104				ND	
14 Trichlorofluoromethane	101	5.205	5.208	0.000	97	26316	0.2429	
19 1,1,2-Trichloro-1,2,2-trif	101	6.246	6.246	0.011	88	6830	0.0712	M
20 1,1-Dichloroethene	96		6.299				ND	
21 Acetone	43	6.449	6.449	0.000	94	354139	6.63	
22 Isopropyl alcohol	45	6.678	6.668	0.010	99	57730	0.8593	
23 Carbon disulfide	76		6.732				ND	
24 3-Chloro-1-propene	41		6.998				ND	U
27 Methylene Chloride	49	7.260	7.260	0.000	86	54412	1.11	
28 2-Methyl-2-propanol	59	7.388	7.388	0.021	61	9208	0.1035	7a
29 Methyl tert-butyl ether	73		7.607				ND	
30 trans-1,2-Dichloroethene	61		7.666				ND	
32 Hexane	57	8.002	8.002	0.000	92	14446	0.1777	
33 1,1-Dichloroethane	63		8.407				ND	
36 2-Butanone (MEK)	72	9.304	9.304	0.005	99	31169	1.15	
37 cis-1,2-Dichloroethene	96		9.315				ND	
* 39 Chlorobromomethane	128	9.678	9.678	0.000	83	445600	10.0	
38 Tetrahydrofuran	42	9.704	9.694	0.010	88	6007	0.1215	
40 Chloroform	83		9.752				ND	MUa
42 1,1,1-Trichloroethane	97		10.014				ND	
43 Cyclohexane	84	10.024	10.024	-0.006	36	1935	0.0265	7Ma
44 Carbon tetrachloride	117	10.217	10.218	-0.005	96	5759	0.0594	
45 Isooctane	57	10.510	10.510	0.005	85	13656	0.0559	7a

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
	46 Benzene	78	10.547	10.542	0.005	96	26868	0.1637	
	47 1,2-Dichloroethane	62		10.644				ND	
	48 n-Heptane	43	10.756	10.750	0.000	91	10136	0.1142	
*	50 1,4-Difluorobenzene	114	11.087	11.087	-0.001	94	2004085	10.0	
	53 Trichloroethene	95		11.455				ND	
	54 1,2-Dichloropropane	63		11.823				ND	
	55 Methyl methacrylate	69		11.860				ND	
	56 1,4-Dioxane	88	11.967	11.967	0.016	46	3708	0.1071	7a
	58 Dichlorobromomethane	83		12.181				ND	
	60 cis-1,3-Dichloropropene	75		12.810				ND	
	61 4-Methyl-2-pentanone (MIBK	43		12.954				ND	
	64 Toluene	92	13.243	13.253	0.000	95	30921	0.2642	
	66 trans-1,3-Dichloropropene	75		13.600				ND	
	67 1,1,2-Trichloroethane	83		13.872				ND	
	68 Tetrachloroethene	166	14.022	14.022	0.006	8	1606	0.0155	7a
	69 2-Hexanone	43	14.150	14.150	0.016	90	9022	0.0890	7a
	70 Chlorodibromomethane	129		14.427				ND	
	71 Ethylene Dibromide	107		14.630				ND	
*	72 Chlorobenzene-d5	117	15.196	15.196	0.000	83	1712384	10.0	
	73 Chlorobenzene	112		15.233				ND	
	74 Ethylbenzene	91	15.308	15.308	0.005	97	17833	0.0734	
	76 m-Xylene & p-Xylene	106	15.452	15.452	0.000	0	15407	0.1601	
	78 o-Xylene	106	15.964	15.964	0.000	97	7147	0.0718	
	79 Styrene	104	15.991	15.991	0.005	48	4231	0.0277	7a
	80 Bromoform	173		16.279				ND	
	81 Isopropylbenzene	105		16.375				ND	U
	83 1,1,2,2-Tetrachloroethane	83		16.781				ND	
	84 N-Propylbenzene	91		16.856				ND	
	87 4-Ethyltoluene	105	16.978	16.978	0.000	23	4552	0.0173	7a
	88 2-Chlorotoluene	91		17.021				ND	U
	89 1,3,5-Trimethylbenzene	105	17.048	17.048	0.000	56	3974	0.0183	7a
	91 tert-Butylbenzene	119		17.421				ND	
	92 1,2,4-Trimethylbenzene	105	17.491	17.491	0.000	88	11647	0.0537	
	93 sec-Butylbenzene	105		17.678				ND	U
	94 4-Isopropyltoluene	119	17.827	17.827	-0.005	66	10057	0.0378	7a
	95 1,3-Dichlorobenzene	146		17.912				ND	
	96 1,4-Dichlorobenzene	146		18.019				ND	
	97 Benzyl chloride	91		18.169				ND	
	99 n-Butylbenzene	91		18.339				ND	
	100 1,2-Dichlorobenzene	146		18.505				ND	
	103 1,2,4-Trichlorobenzene	180		20.858				ND	
	104 Hexachlorobutadiene	225		21.029				ND	
	105 Naphthalene	128	21.349	21.349	0.010	32	5603	0.0203	7a

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags
M - Manually Integrated
U - Marked Undetected
a - User Assigned ID

Reagents:

ATTO15BISs_00006 Amount Added: 20.00 Units: mL Run Reagent

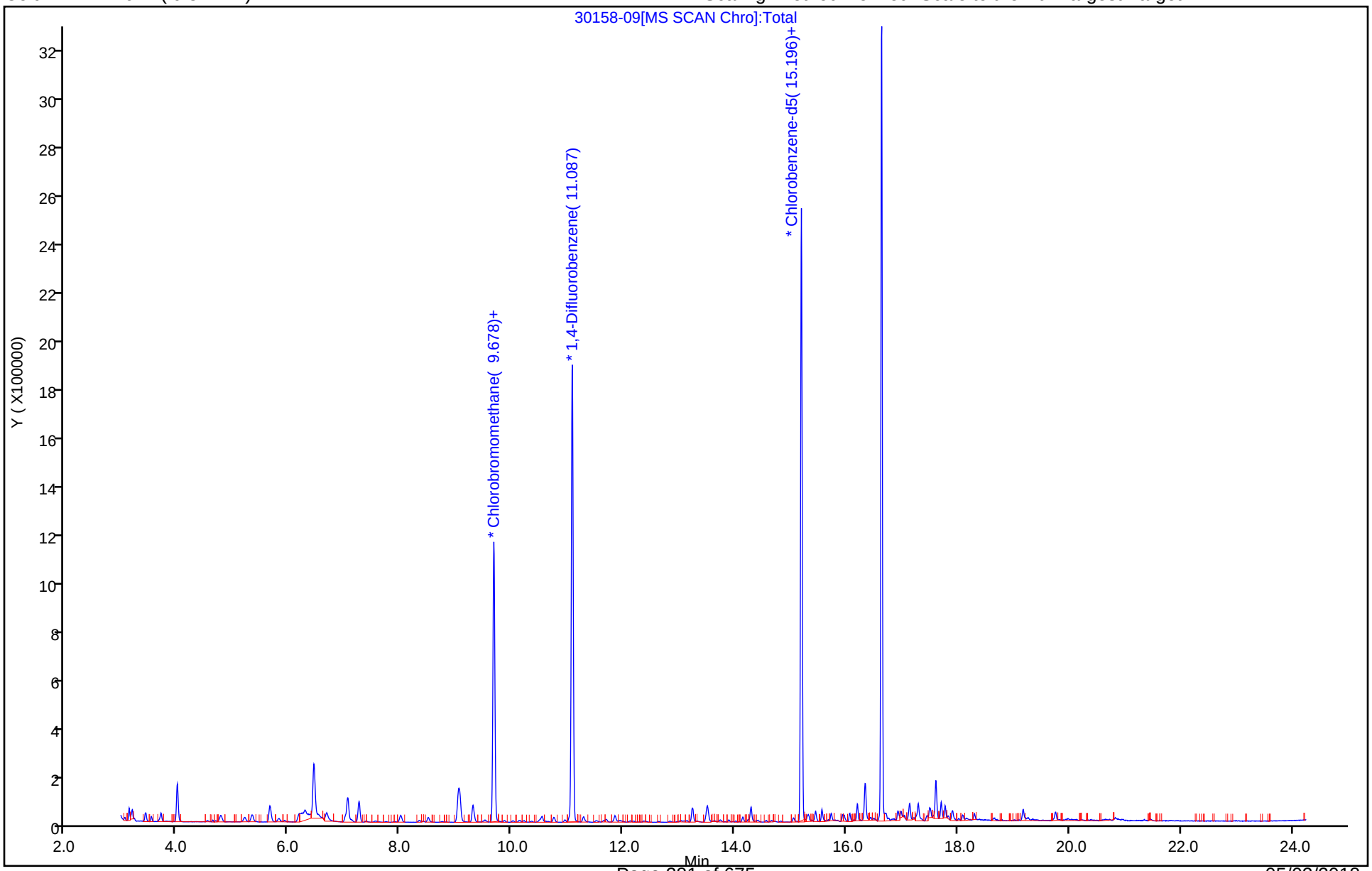
Report Date: 19-Apr-2018 11:29:02 Chrom Revision: 2.2 13-Mar-2018 08:45:20

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180418-30158.b\30158-09.D

Injection Date:	18-Apr-2018 17:02:30	Instrument ID:	CHB.i	Operator ID:	pad
Lims ID:	200-43091-A-5	Lab Sample ID:	200-43091-5	Worklist Smp#:	9
Client ID:	AMBIENT				
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



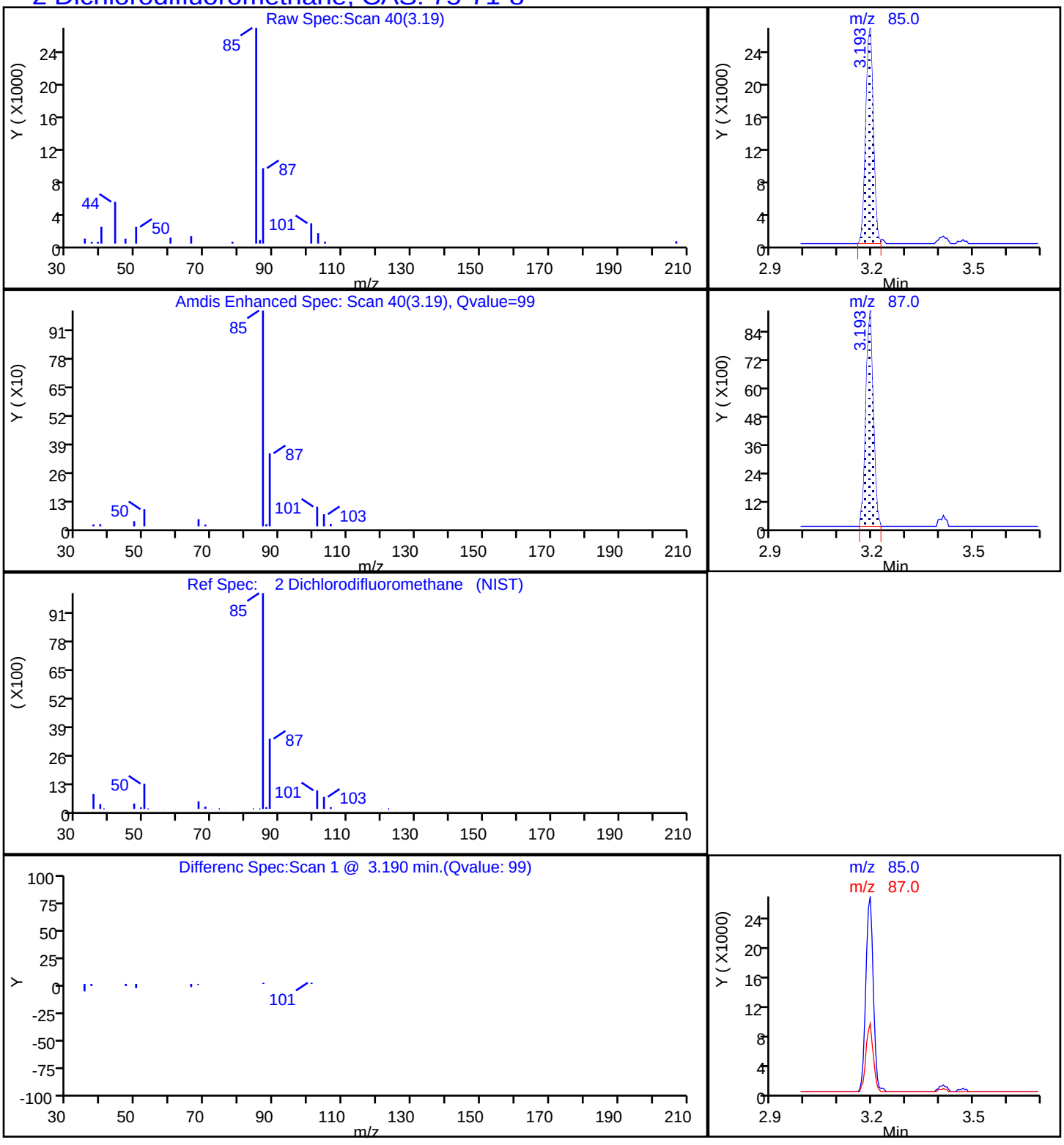
Report Date: 19-Apr-2018 11:29:02 Chrom Revision: 2.2 13-Mar-2018 08:45:20

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180418-30158.b\30158-09.D

Injection Date:	18-Apr-2018 17:02:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-5	Lab Sample ID:	200-43091-5		
Client ID:	AMBIENT				
Operator ID:	pad	ALS Bottle#:	9	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

2 Dichlorodifluoromethane, CAS: 75-71-8



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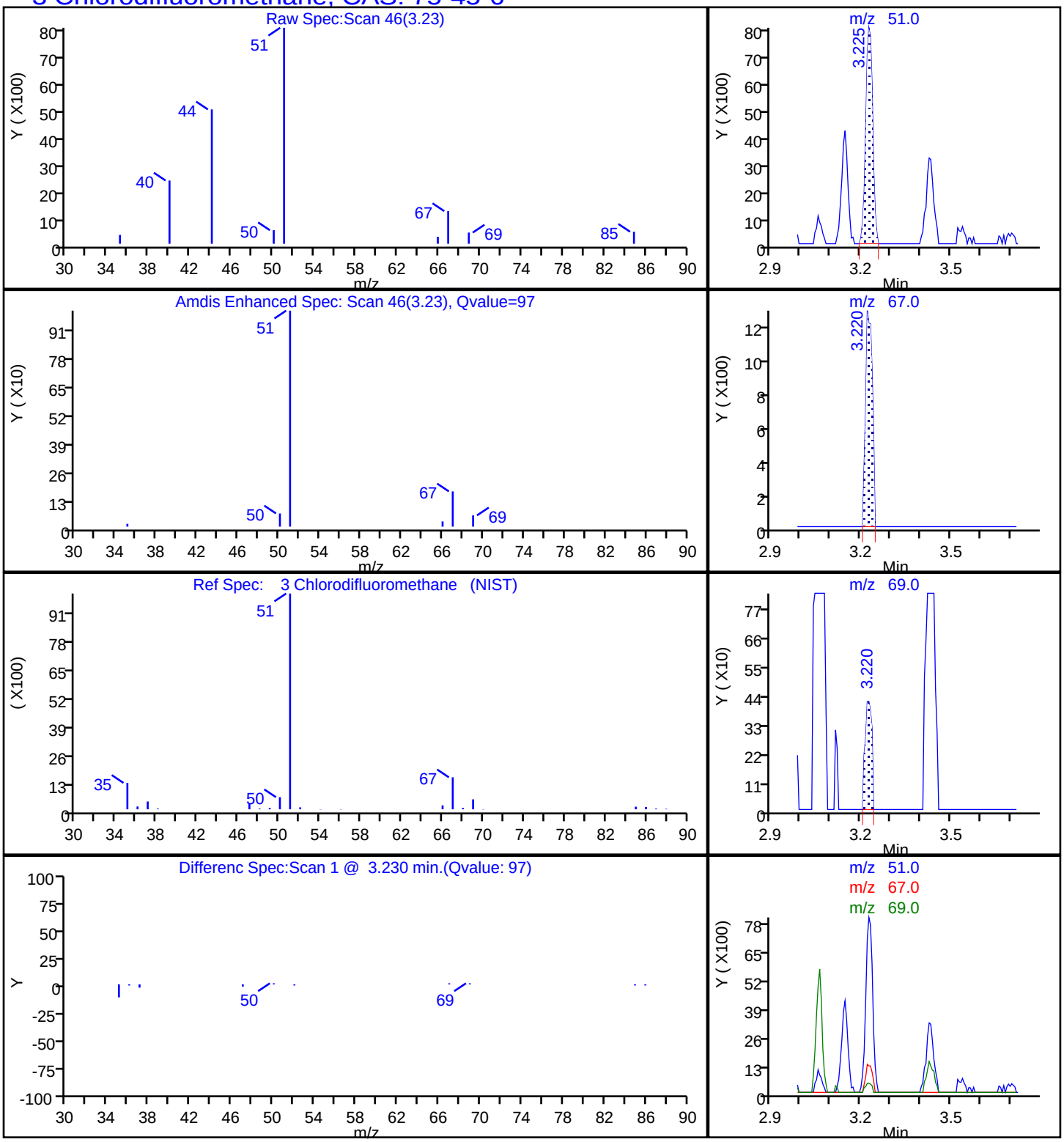
Injection Date:	18-Apr-2018 17:02:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-5	Lab Sample ID:	200-43091-5		
Client ID:	AMBIENT				
Operator ID:	pad	ALS Bottle#:	9	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

3 Chlorodifluoromethane, CAS: 75-45-6

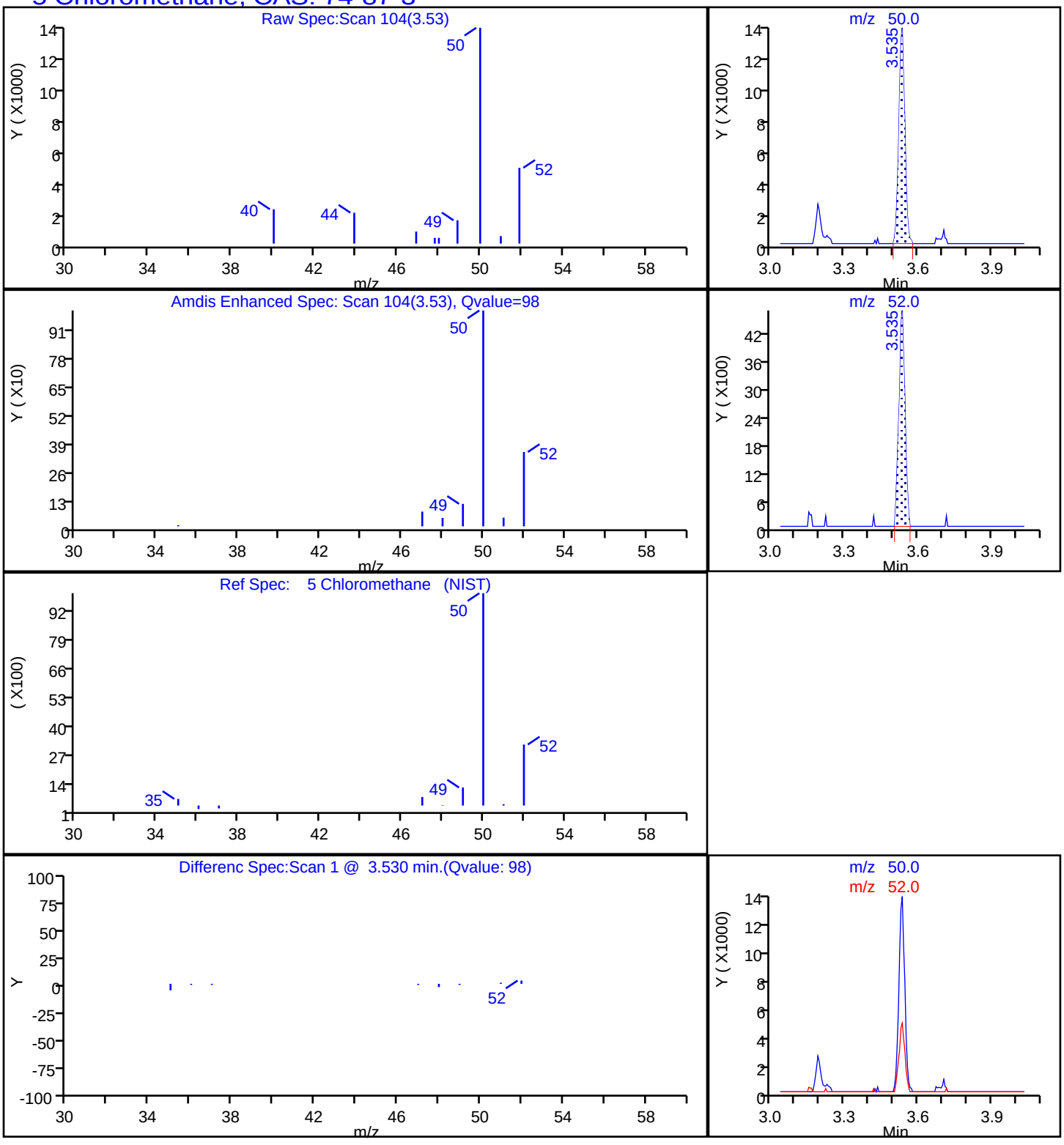


TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180418-30158.b\30158-09.D

Injection Date:	18-Apr-2018 17:02:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-5	Lab Sample ID:	200-43091-5		
Client ID:	AMBIENT				
Operator ID:	pad	ALS Bottle#:	9	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

5 Chloromethane, CAS: 74-87-3



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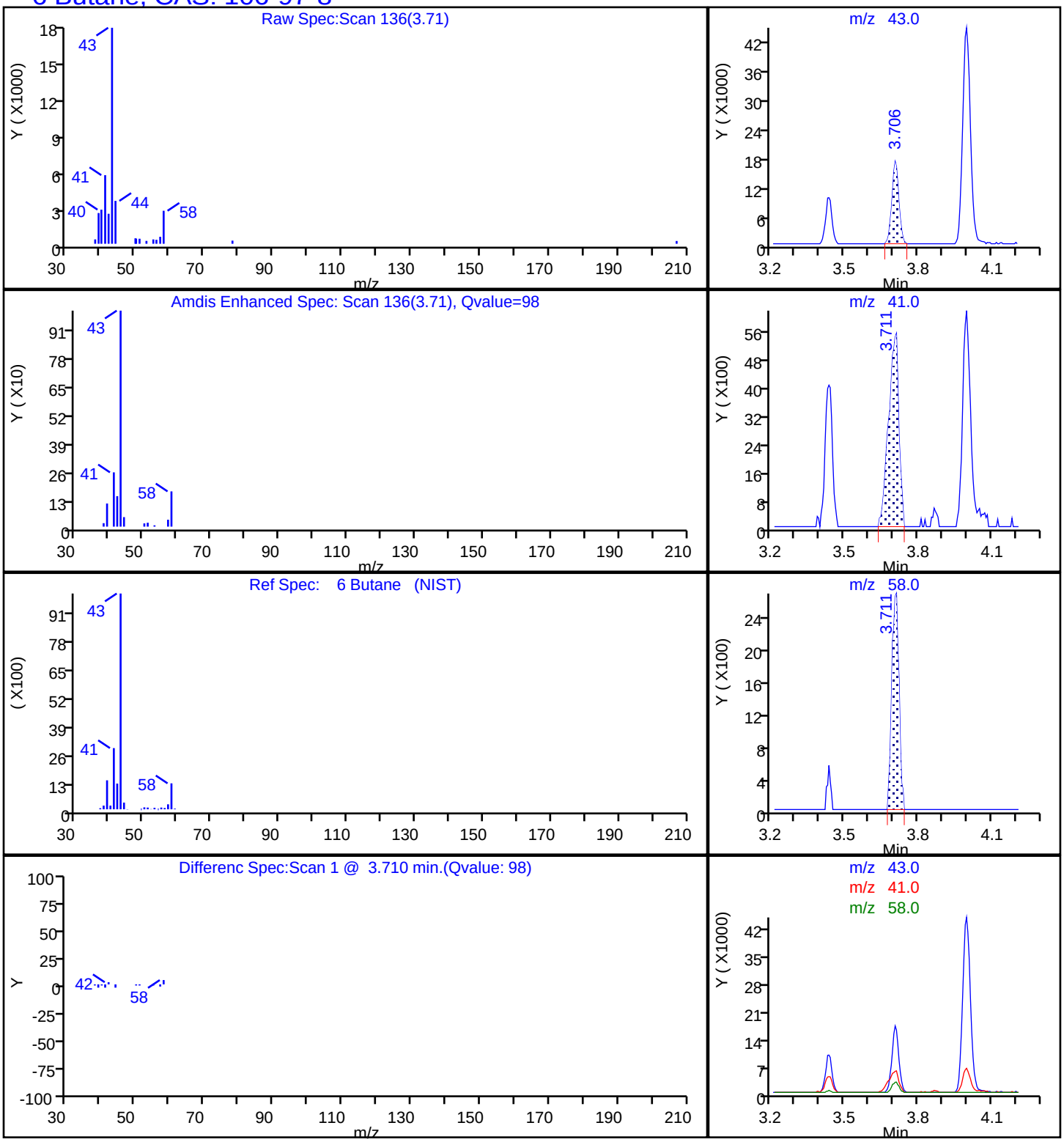
Injection Date: 18-Apr-2018 17:02:30 Instrument ID: CHB.i
Lims ID: 200-43091-A-5 Lab Sample ID: 200-43091-5
Client ID: AMBIENT
Operator ID: pad ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3 Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

6 Butane, CAS: 106-97-8



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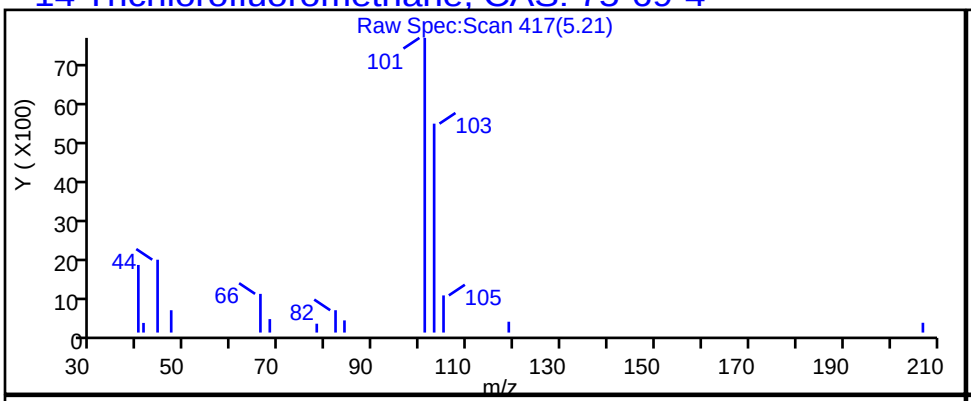
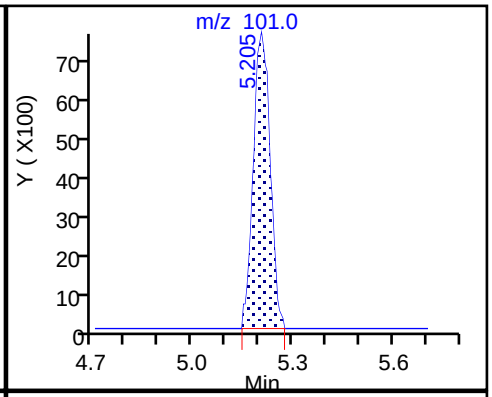
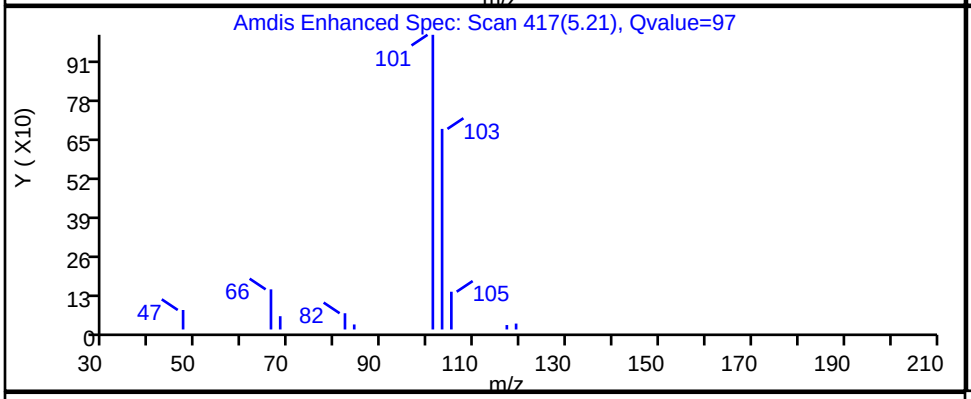
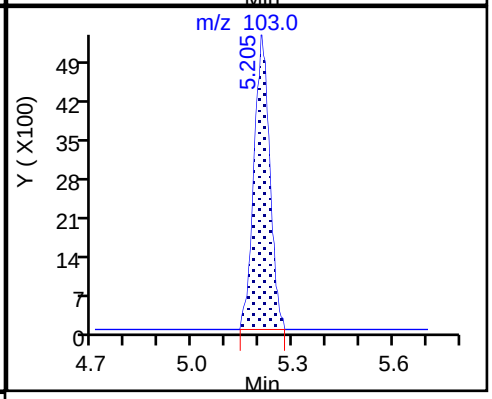
Injection Date: 18-Apr-2018 17:02:30 Instrument ID: CHB.i
Lims ID: 200-43091-A-5 Lab Sample ID: 200-43091-5
Client ID: AMBIENT
Operator ID: pad ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3 Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

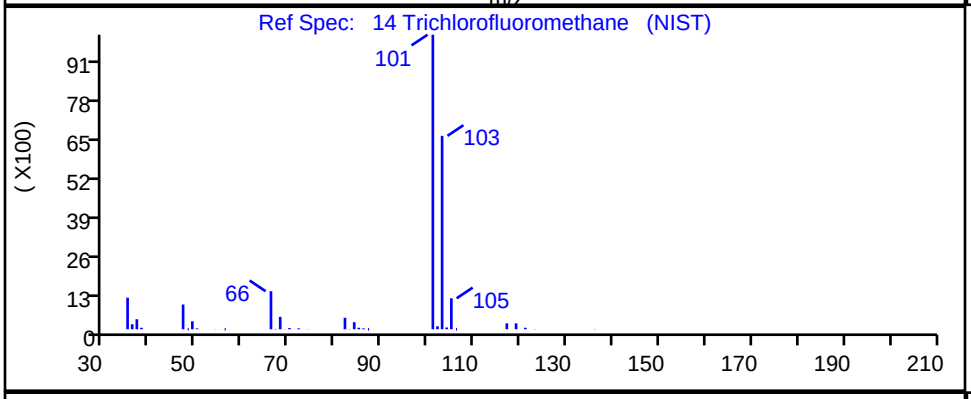
14 Trichlorofluoromethane, CAS: 75-69-4

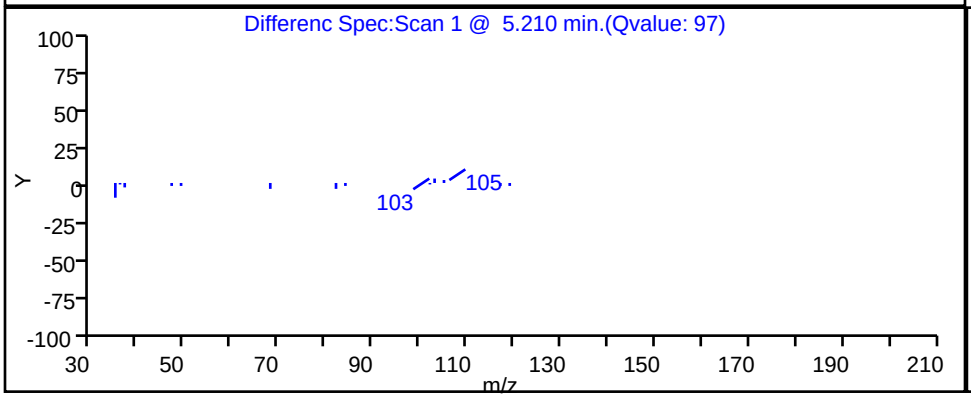


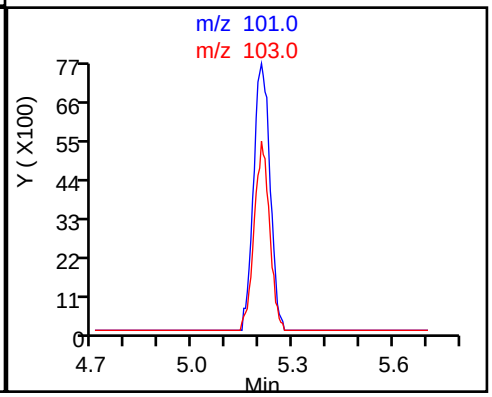






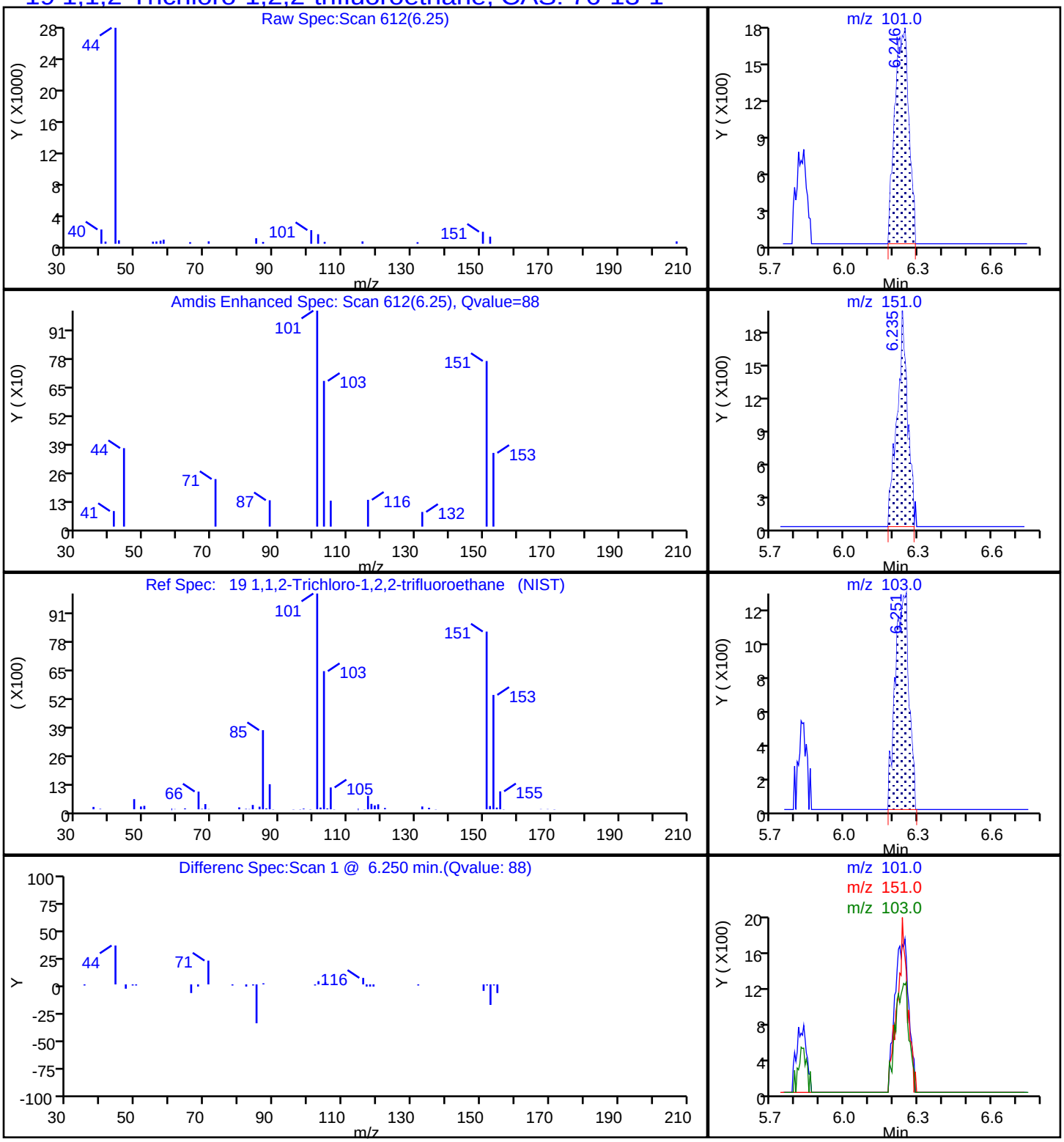






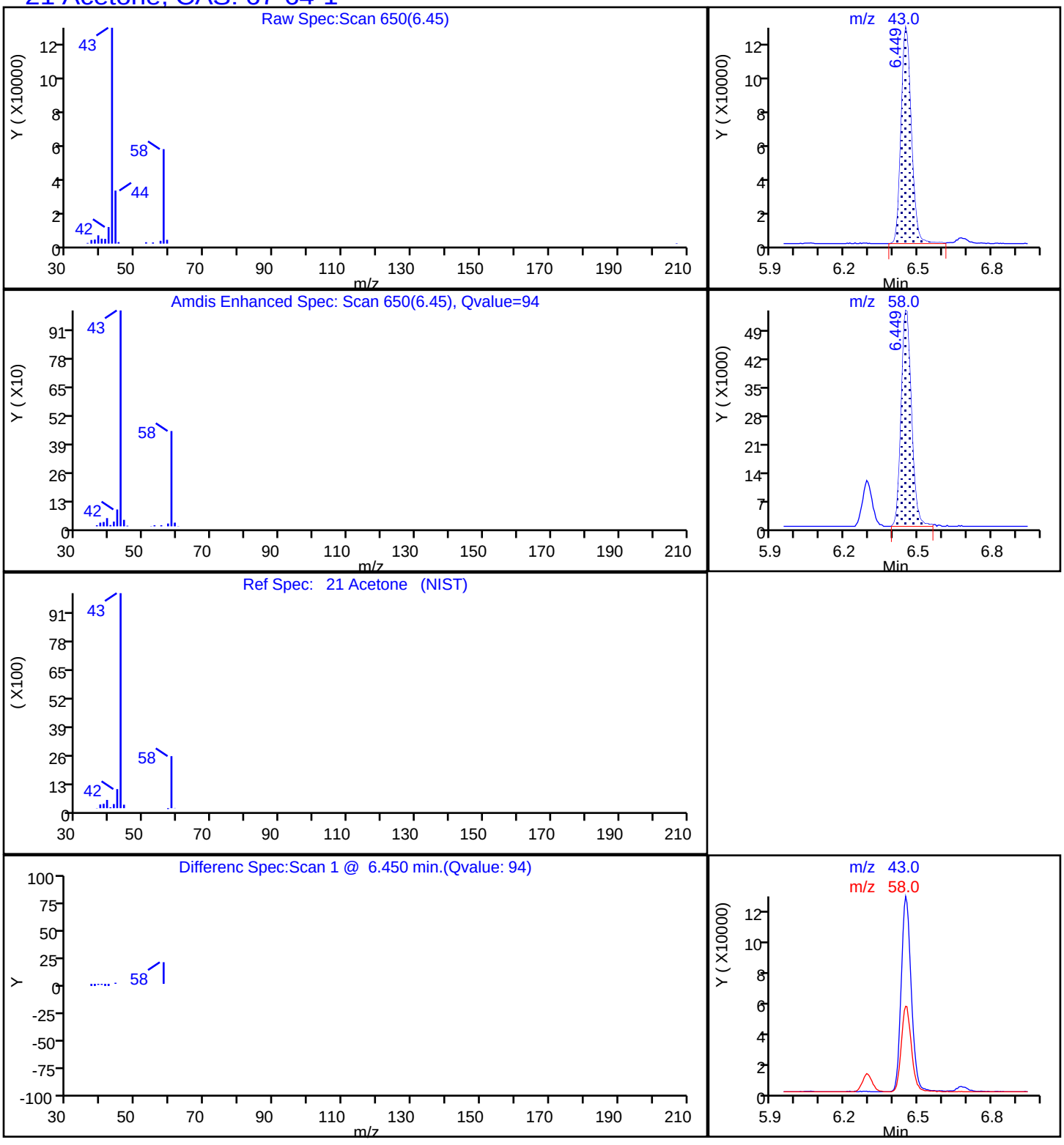
Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180418-30158.b\30158-09.D
Injection Date: 18-Apr-2018 17:02:30 Instrument ID: CHB.i
Lims ID: 200-43091-A-5 Lab Sample ID: 200-43091-5
Client ID: AMBIENT
Operator ID: pad ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3 Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

19 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1



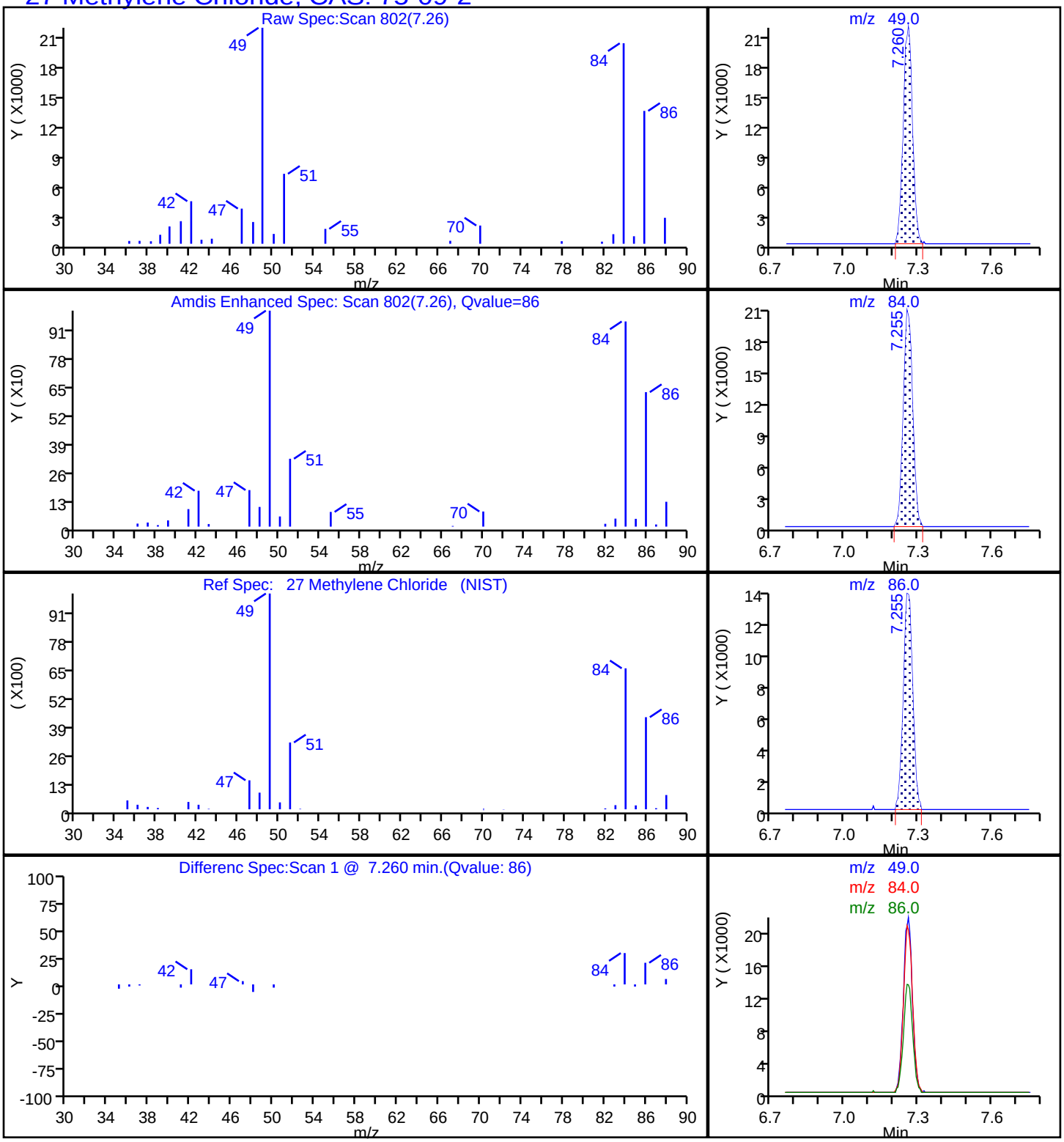
Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180418-30158.b\30158-09.D
Injection Date: 18-Apr-2018 17:02:30 Instrument ID: CHB.i
Lims ID: 200-43091-A-5 Lab Sample ID: 200-43091-5
Client ID: AMBIENT
Operator ID: pad ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3 Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

21 Acetone, CAS: 67-64-1



Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180418-30158.b\30158-09.D
Injection Date: 18-Apr-2018 17:02:30 Instrument ID: CHB.i
Lims ID: 200-43091-A-5 Lab Sample ID: 200-43091-5
Client ID: AMBIENT
Operator ID: pad ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3 Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

27 Methylene Chloride, CAS: 75-09-2



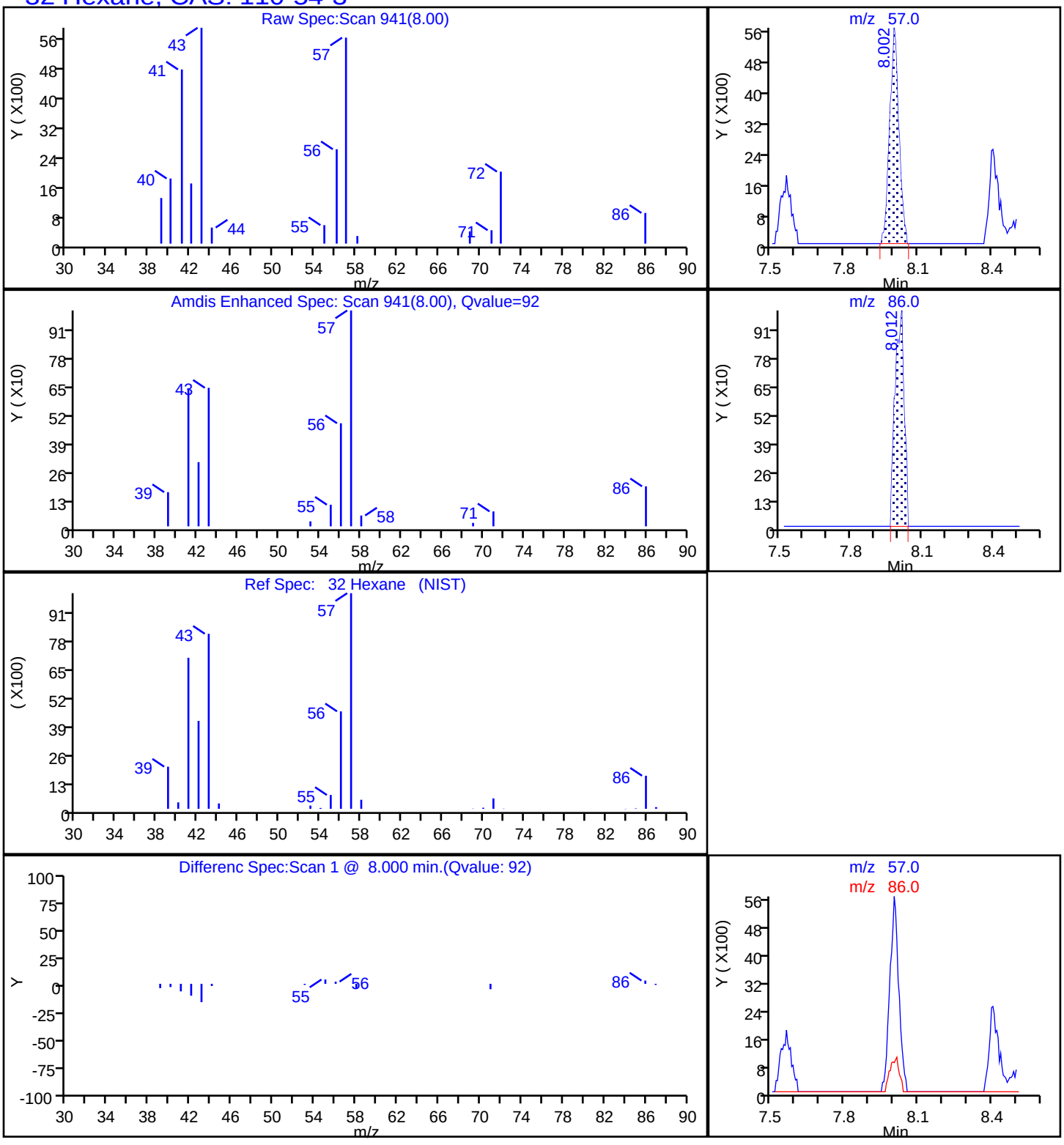
Report Date: 19-Apr-2018 11:29:03 Chrom Revision: 2.2 13-Mar-2018 08:45:20

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180418-30158.b\30158-09.D

Injection Date:	18-Apr-2018 17:02:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-5	Lab Sample ID:	200-43091-5		
Client ID:	AMBIENT				
Operator ID:	pad	ALS Bottle#:	9	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

32 Hexane, CAS: 110-54-3



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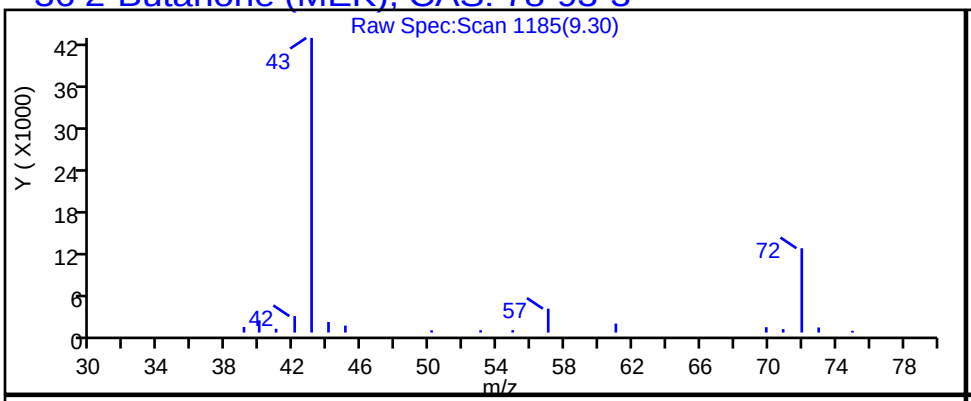
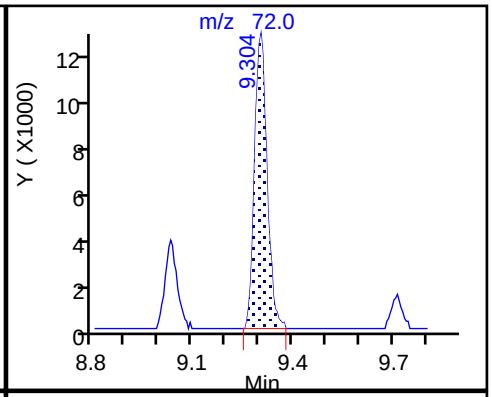
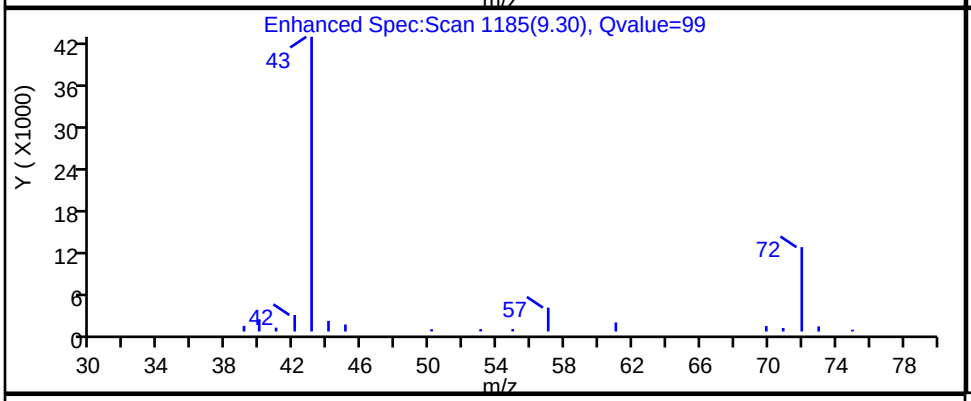
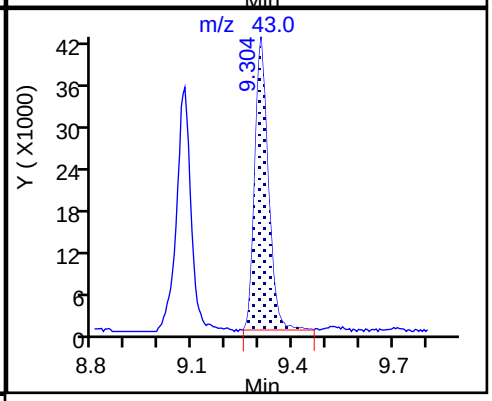
Injection Date: 18-Apr-2018 17:02:30 Instrument ID: CHB.i
Lims ID: 200-43091-A-5 Lab Sample ID: 200-43091-5
Client ID: AMBIENT
Operator ID: pad ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3 Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

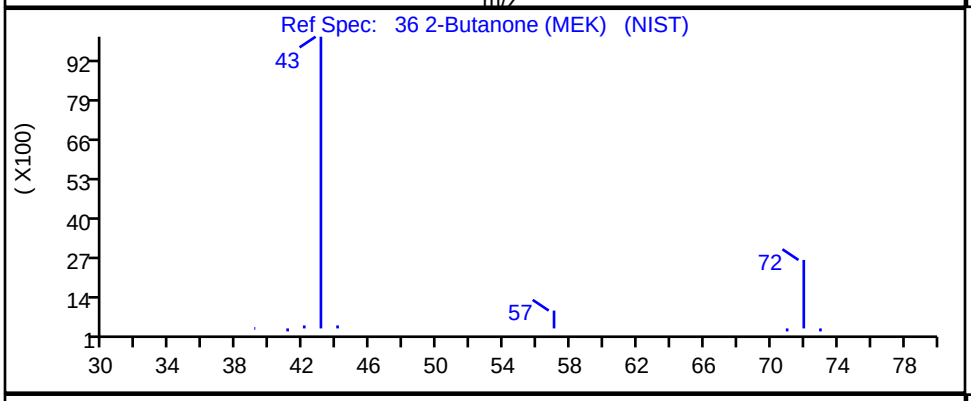
36 2-Butanone (MEK), CAS: 78-93-3

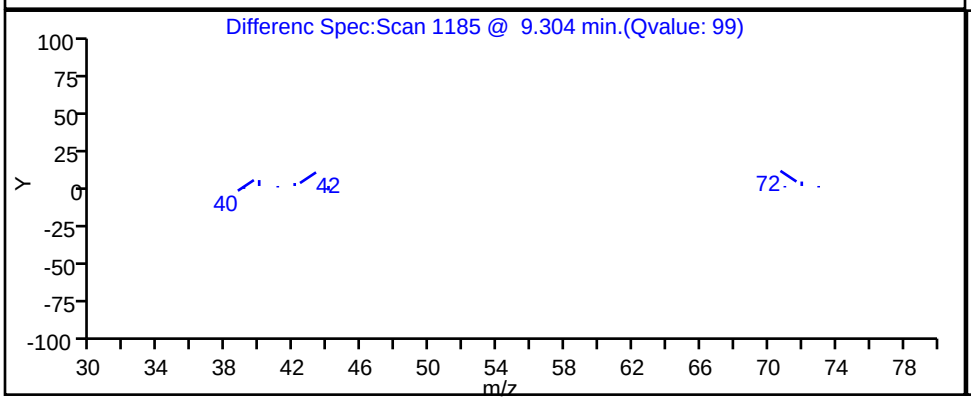


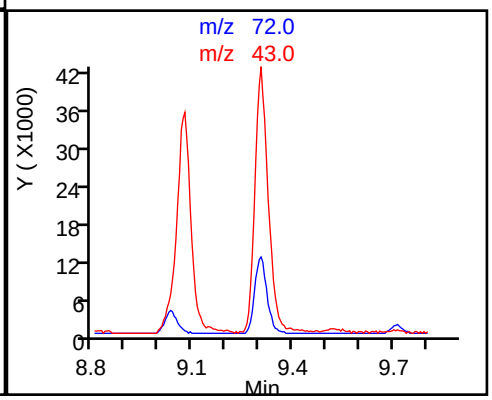










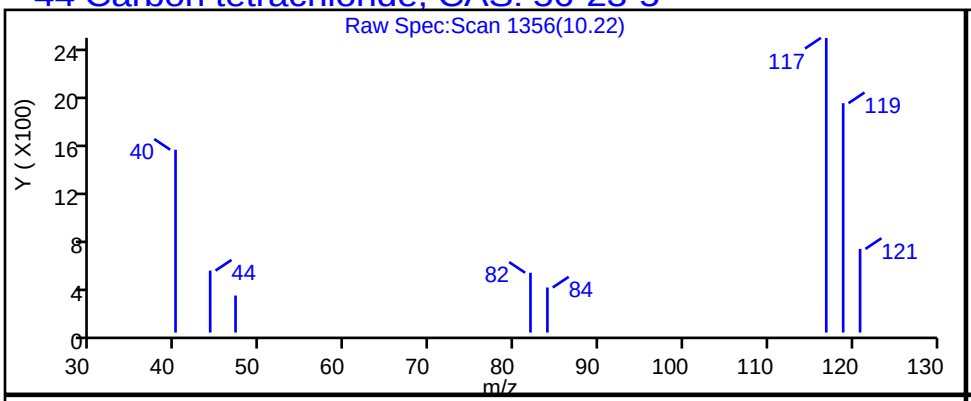


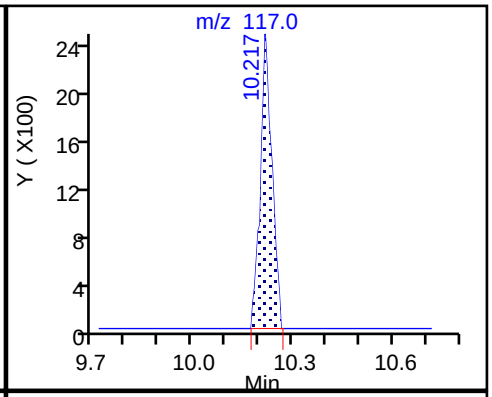
TestAmerica Burlington

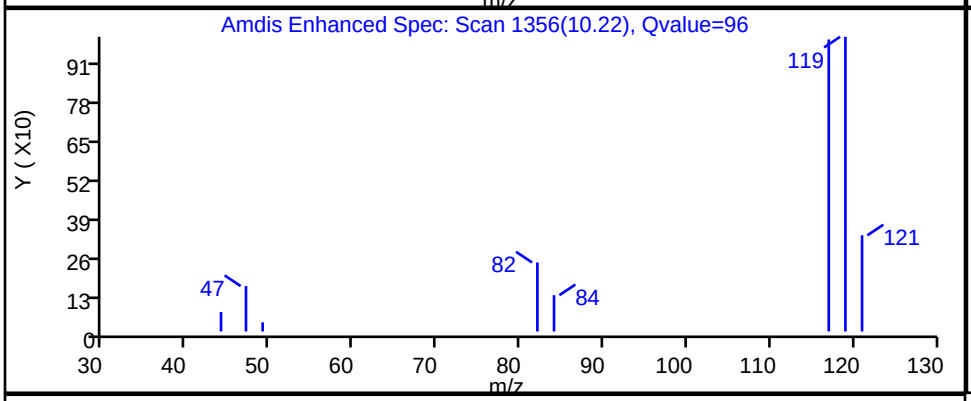
Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180418-30158.b\30158-09.D

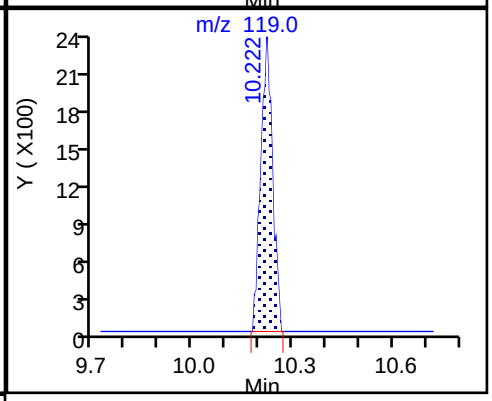
Injection Date:	18-Apr-2018 17:02:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-5	Lab Sample ID:	200-43091-5		
Client ID:	AMBIENT				
Operator ID:	pad	ALS Bottle#:	9	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

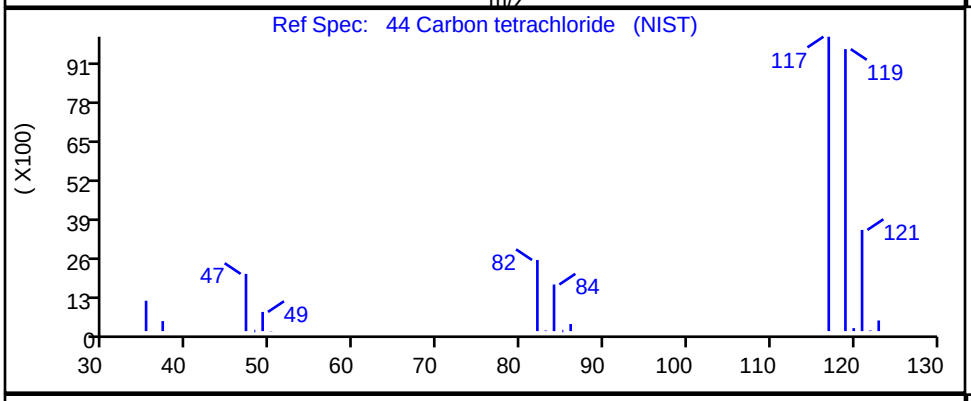
44 Carbon tetrachloride, CAS: 56-23-5

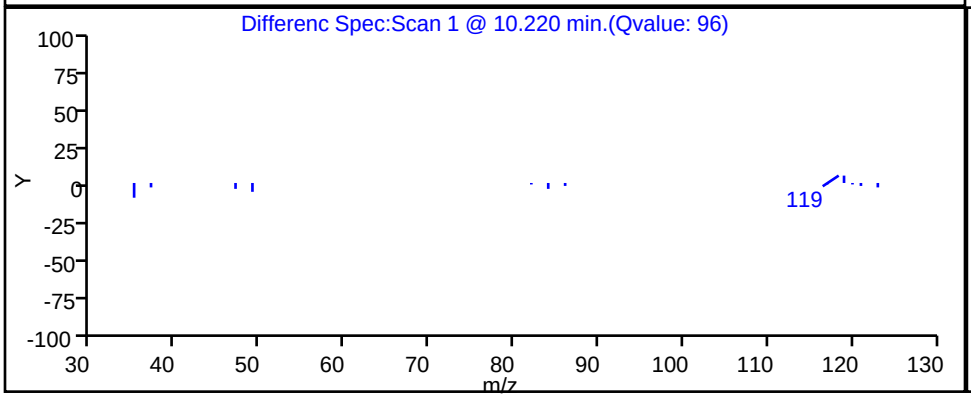


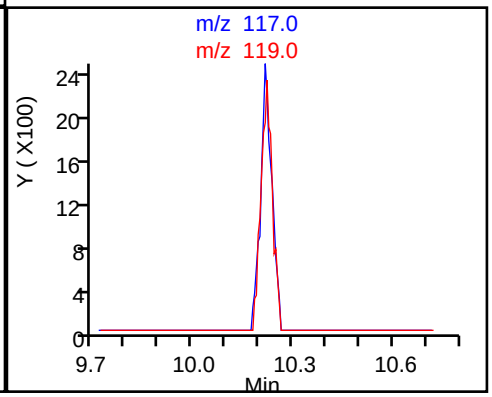








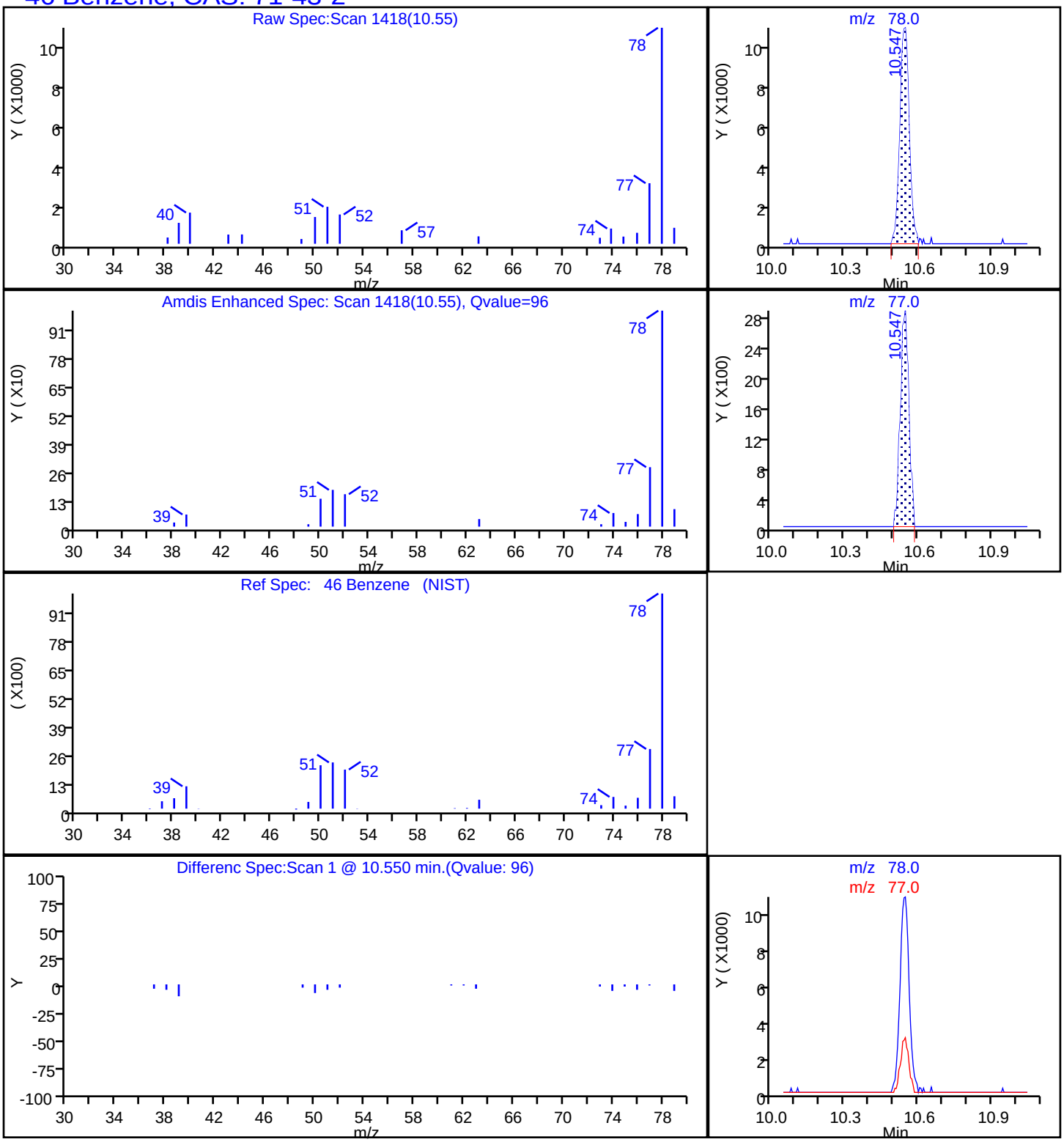




TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180418-30158.b\30158-09.D				
Injection Date:	18-Apr-2018 17:02:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-5	Lab Sample ID:	200-43091-5		
Client ID:	AMBIENT				
Operator ID:	pad	ALS Bottle#:	9	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

46 Benzene, CAS: 71-43-2

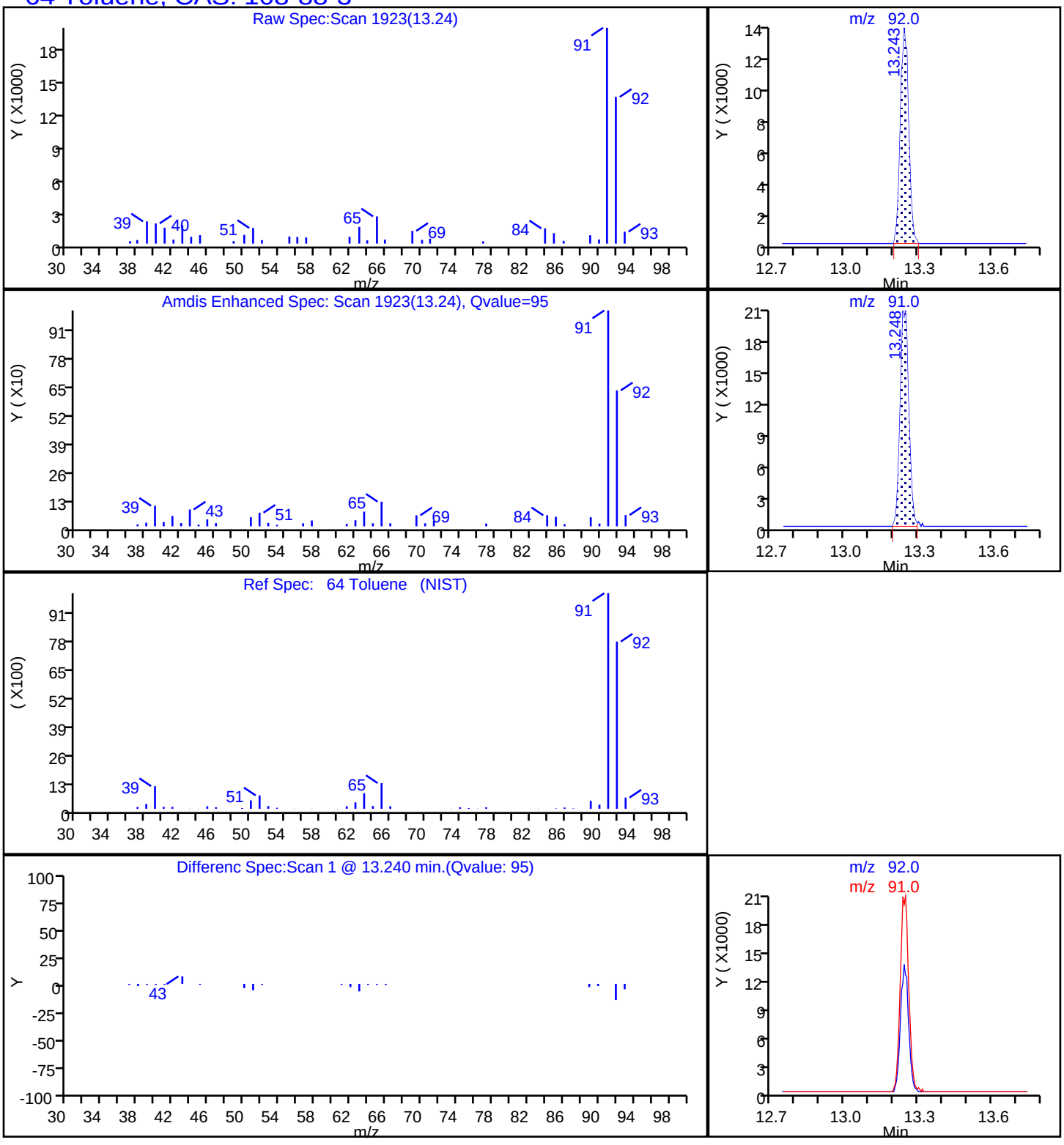


TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180418-30158.b\30158-09.D

Injection Date:	18-Apr-2018 17:02:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-5	Lab Sample ID:	200-43091-5		
Client ID:	AMBIENT				
Operator ID:	pad	ALS Bottle#:	9	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

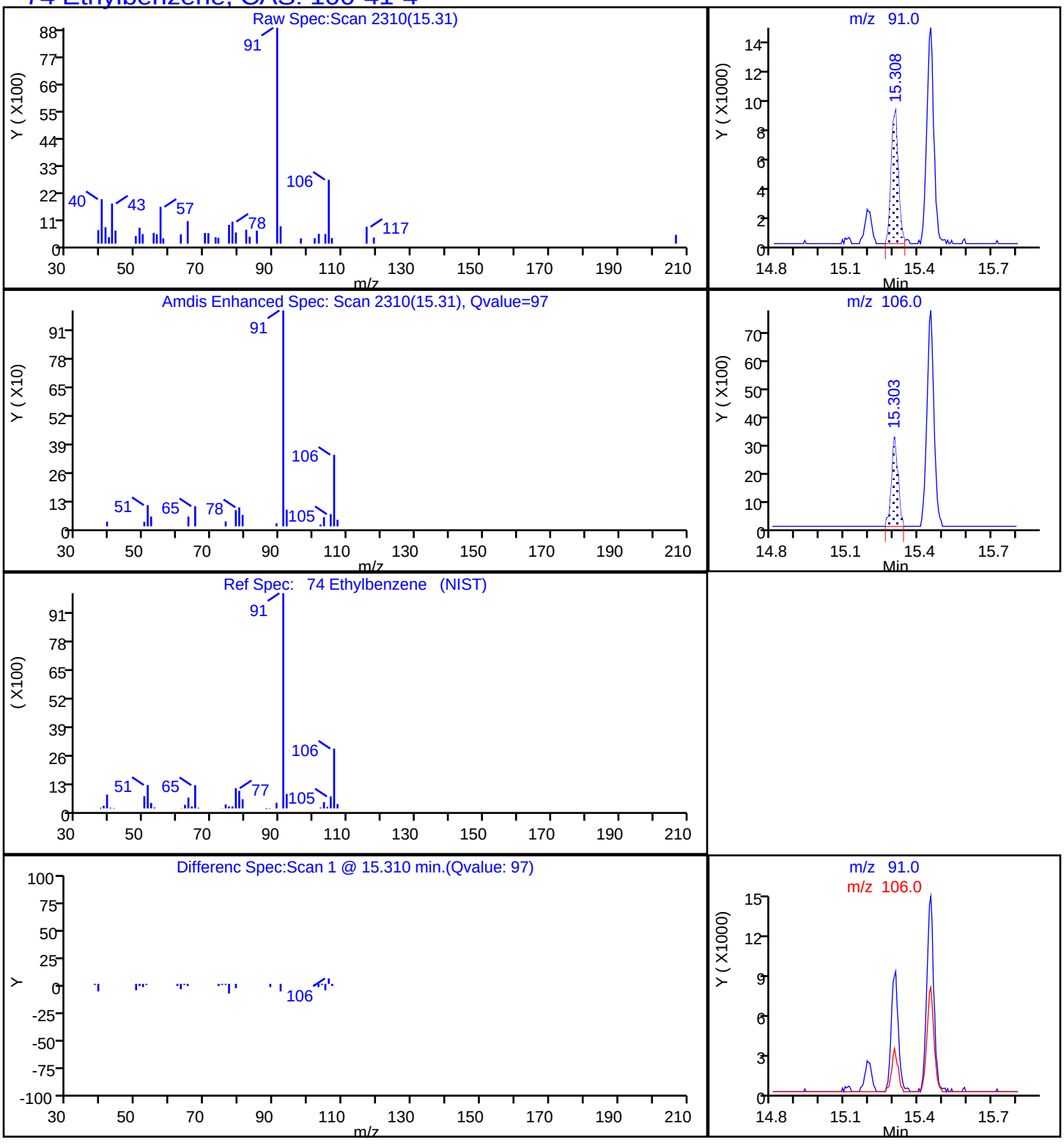
64 Toluene, CAS: 108-88-3



Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180418-30158.b\30158-09.D

Injection Date:	18-Apr-2018 17:02:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-5	Lab Sample ID:	200-43091-5		
Client ID:	AMBIENT				
Operator ID:	pad	ALS Bottle#:	9	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

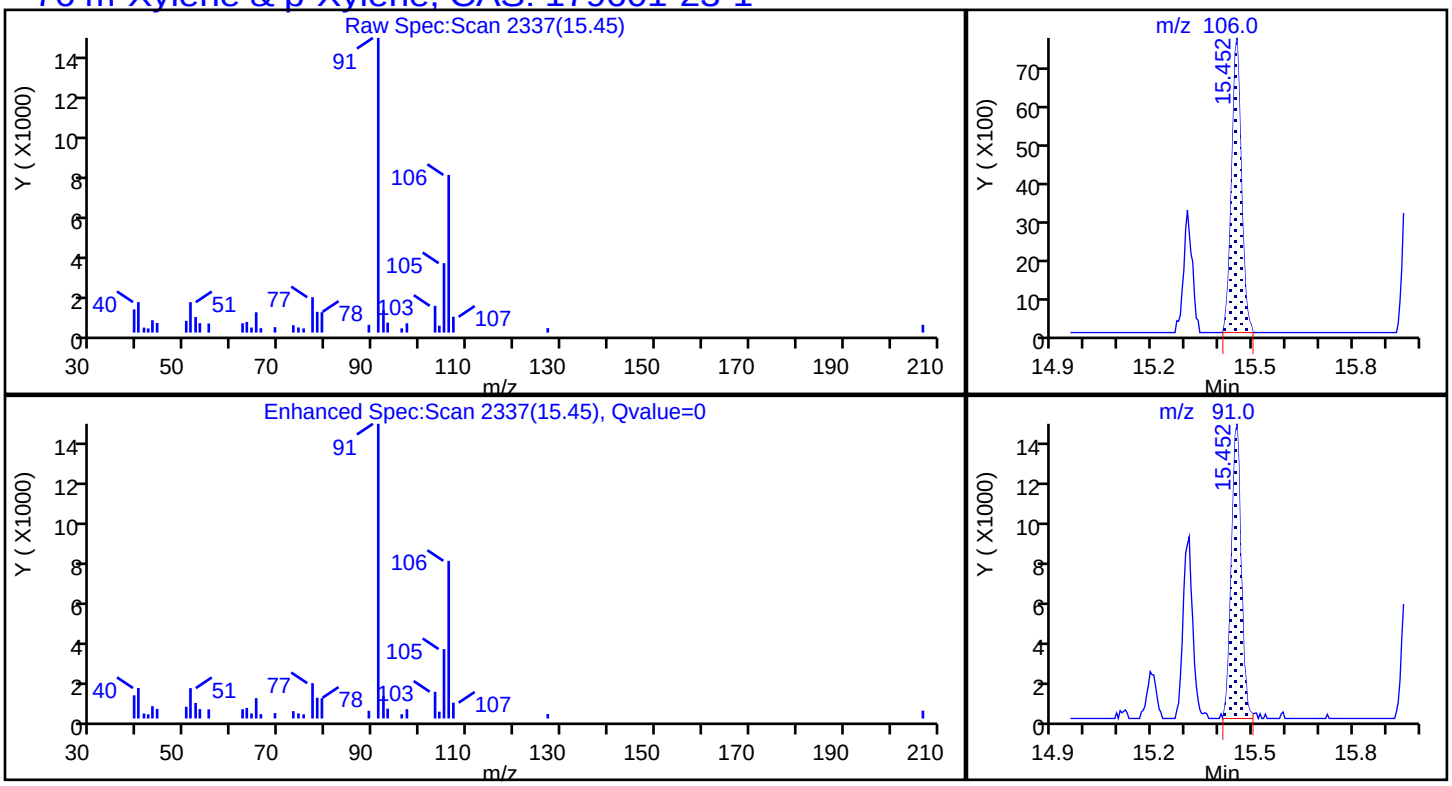
74 Ethylbenzene, CAS: 100-41-4

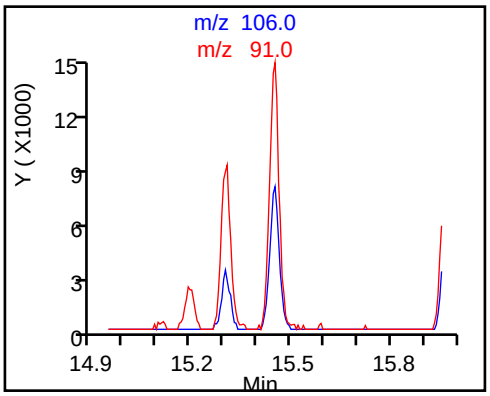


TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180418-30158.b\30158-09.D				
Injection Date:	18-Apr-2018 17:02:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-5	Lab Sample ID:	200-43091-5		
Client ID:	AMBIENT				
Operator ID:	pad	ALS Bottle#:	9	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

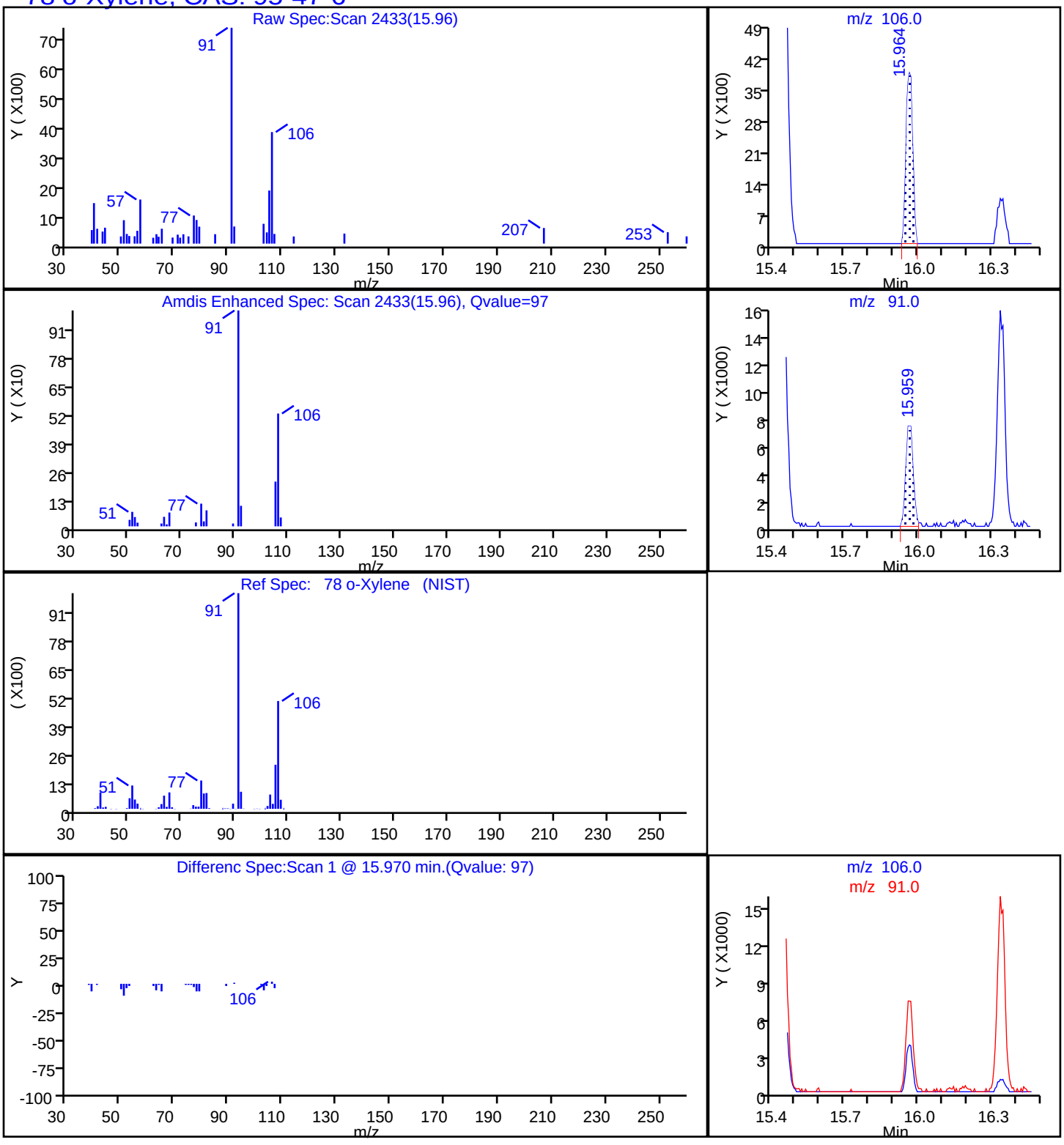
76 m-Xylene & p-Xylene, CAS: 179601-23-1





Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180418-30158.b\30158-09.D
Injection Date: 18-Apr-2018 17:02:30 Instrument ID: CHB.i
Lims ID: 200-43091-A-5 Lab Sample ID: 200-43091-5
Client ID: AMBIENT
Operator ID: pad ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3 Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

78 o-Xylene, CAS: 95-47-6



Manual Integration/User Assign Peak Report

TestAmerica Burlington

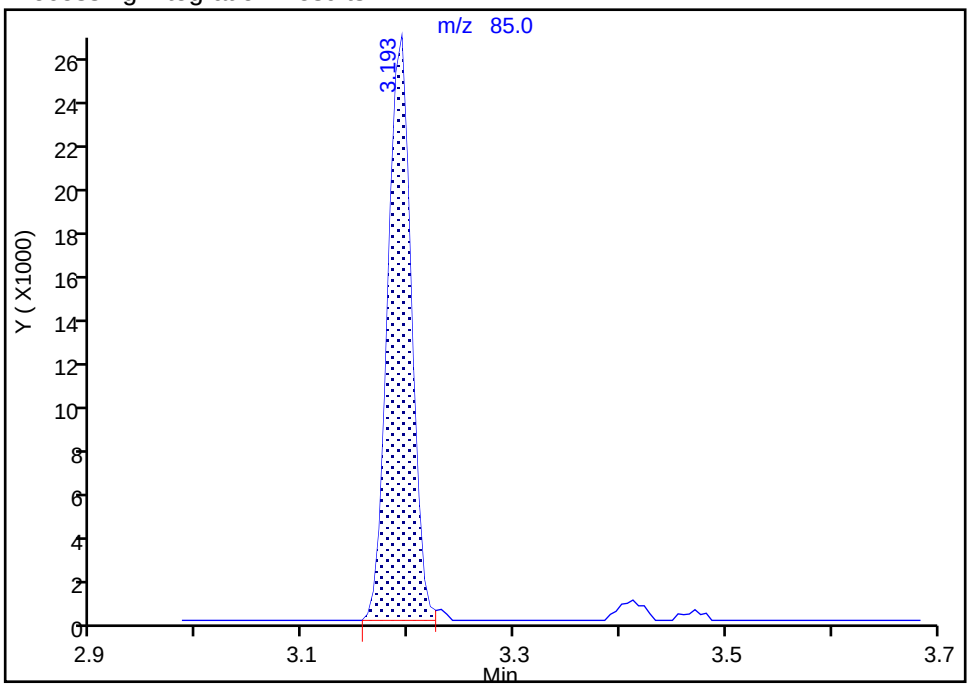
Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180418-30158.b\30158-09.D				
Injection Date:	18-Apr-2018 17:02:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-5	Lab Sample ID:	200-43091-5		
Client ID:	AMBIENT				
Operator ID:	pad	ALS Bottle#:	9	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

4 1,2-Dichloro-1,1,2,2-tetrafluoroethane, CAS: 76-14-2

Signal: 1

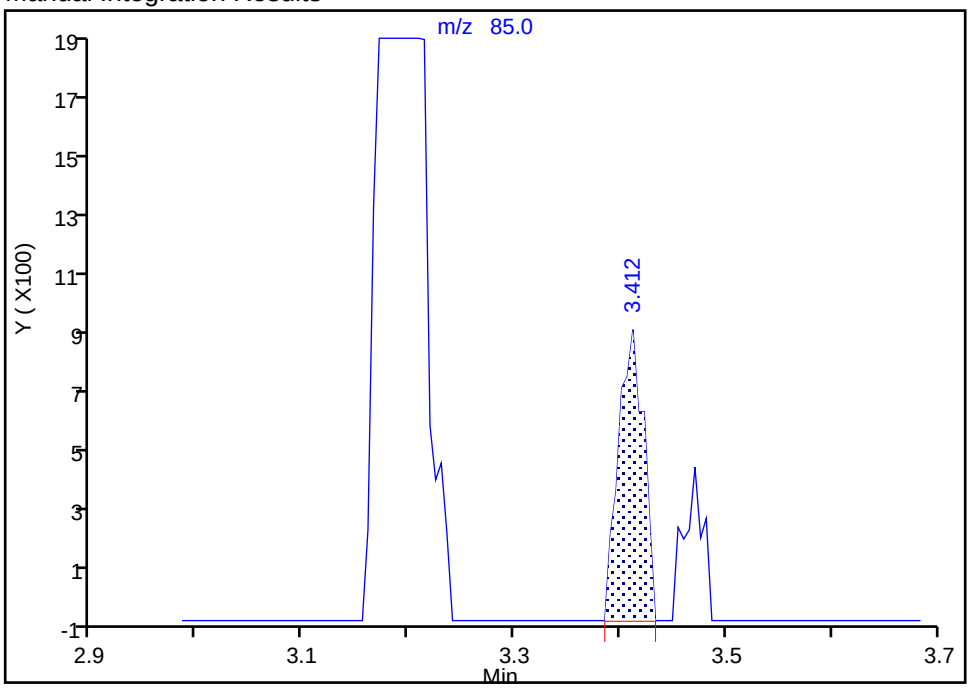
Processing Integration Results

RT: 3.19
Area: 40661
Amount: 0.391057
Amount Units: ppb v/v



Manual Integration Results

RT: 3.41
Area: 1522
Amount: 0.014638
Amount Units: ppb v/v



Reviewer: puangmaleek, 19-Apr-2018 11:25:01

Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

TestAmerica Burlington

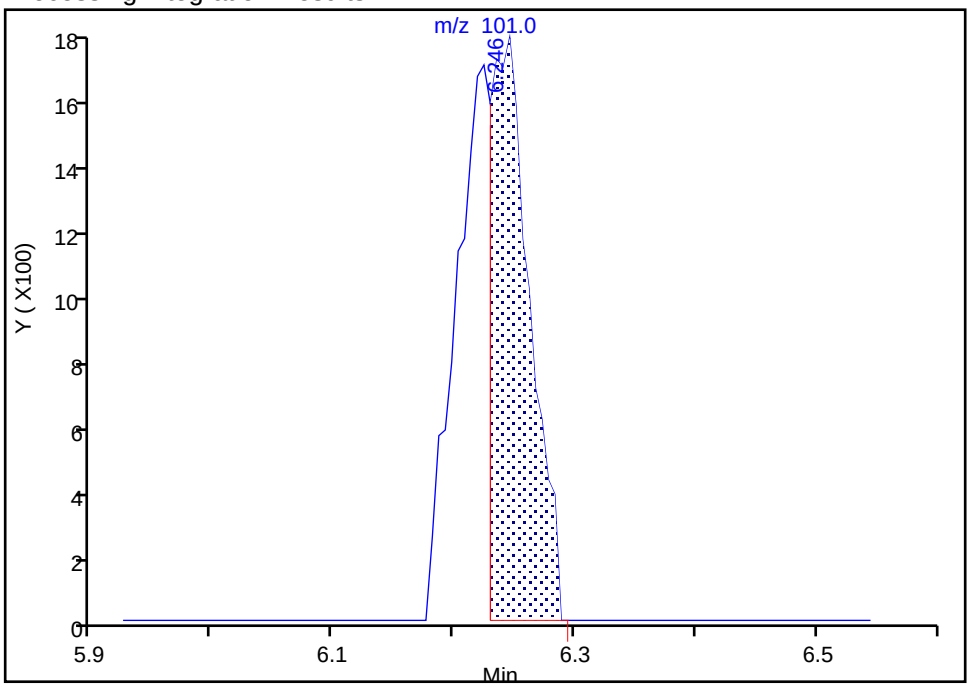
Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180418-30158.b\30158-09.D				
Injection Date:	18-Apr-2018 17:02:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-5	Lab Sample ID:	200-43091-5		
Client ID:	AMBIENT				
Operator ID:	pad	ALS Bottle#:	9	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

19 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

Signal: 1

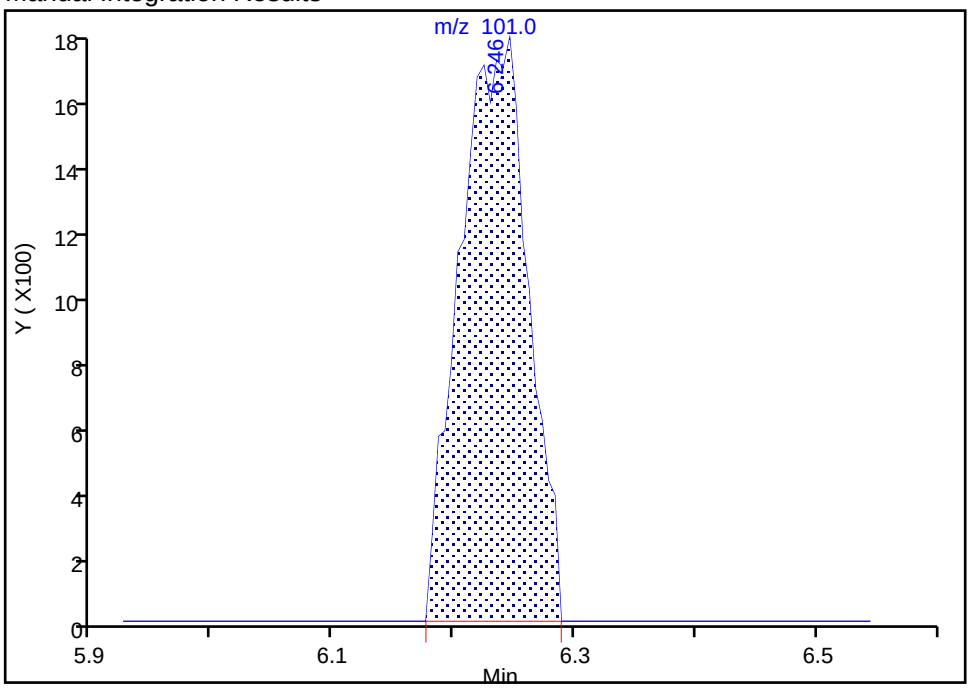
Processing Integration Results

RT: 6.25
Area: 3939
Amount: 0.041034
Amount Units: ppb v/v



Manual Integration Results

RT: 6.25
Area: 6830
Amount: 0.071151
Amount Units: ppb v/v



Reviewer: puangmaleek, 19-Apr-2018 11:25:30

Audit Action: Manually Integrated Audit Reason: Assign Peak

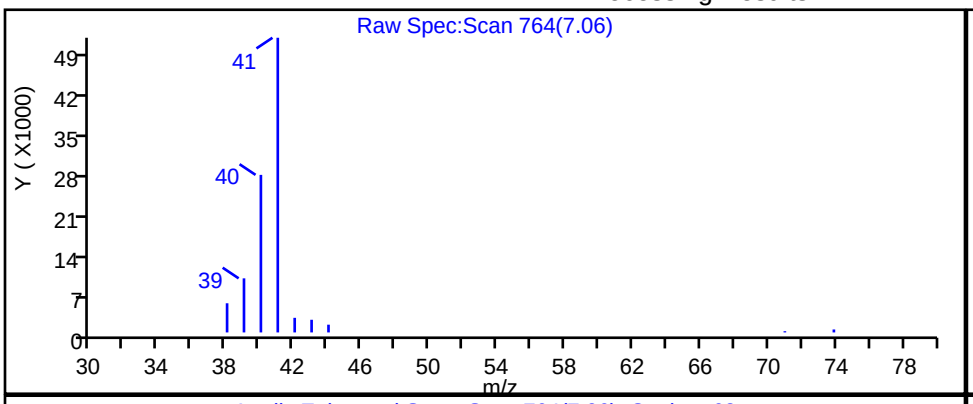
User Disabled Compound Report

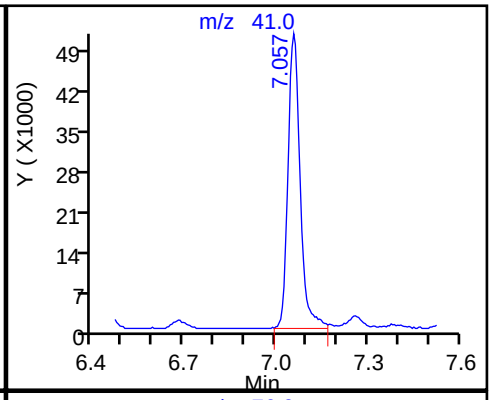
TestAmerica Burlington

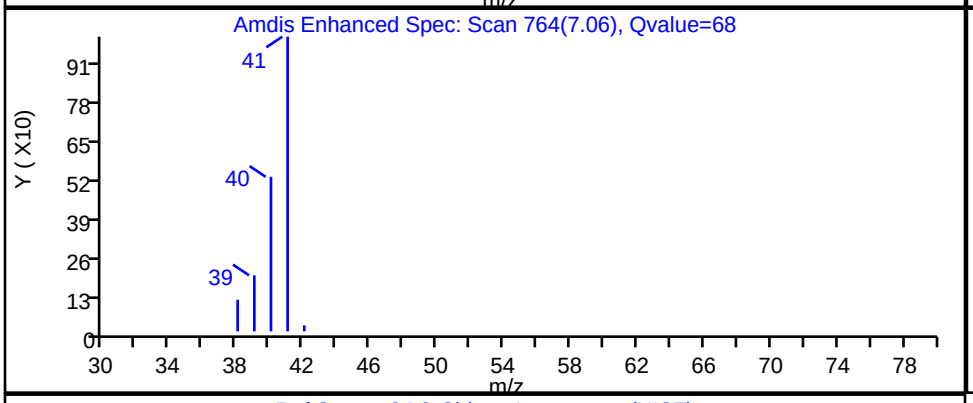
Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180418-30158.b\30158-09.D				
Injection Date:	18-Apr-2018 17:02:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-5	Lab Sample ID:	200-43091-5		
Client ID:	AMBIENT				
Operator ID:	pad	ALS Bottle#:	9	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

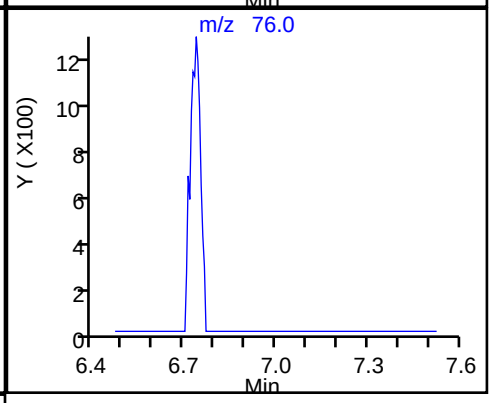
24 3-Chloro-1-propene, CAS: 107-05-1

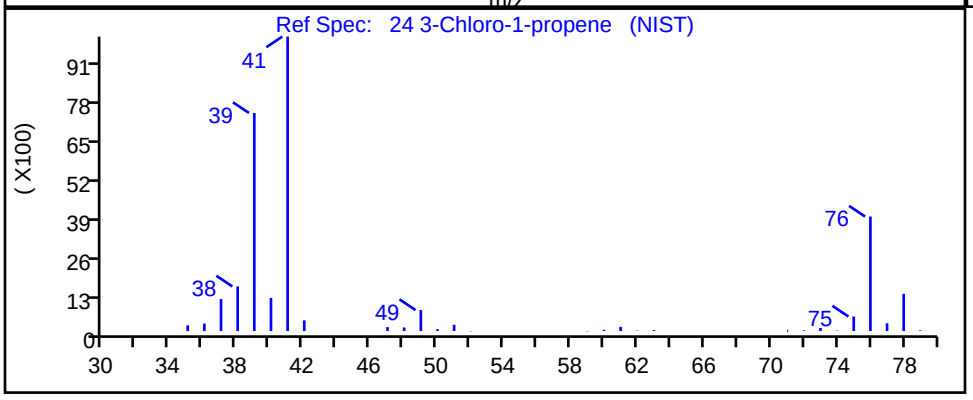
Processing Results











RT	Mass	Response	Amount
7.06	41.00	143476	2.829369
7.00	76.00	0	

Reviewer: puangmaleek, 19-Apr-2018 11:29:01

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

TestAmerica Burlington

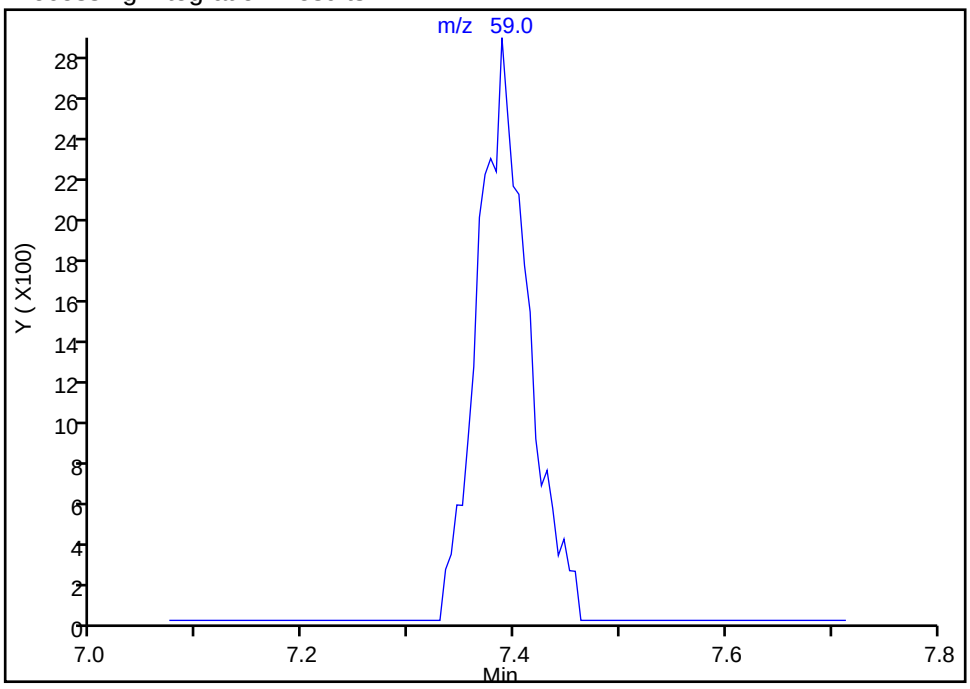
Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180418-30158.b\30158-09.D				
Injection Date:	18-Apr-2018 17:02:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-5	Lab Sample ID:	200-43091-5		
Client ID:	AMBIENT				
Operator ID:	pad	ALS Bottle#:	9	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

28 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

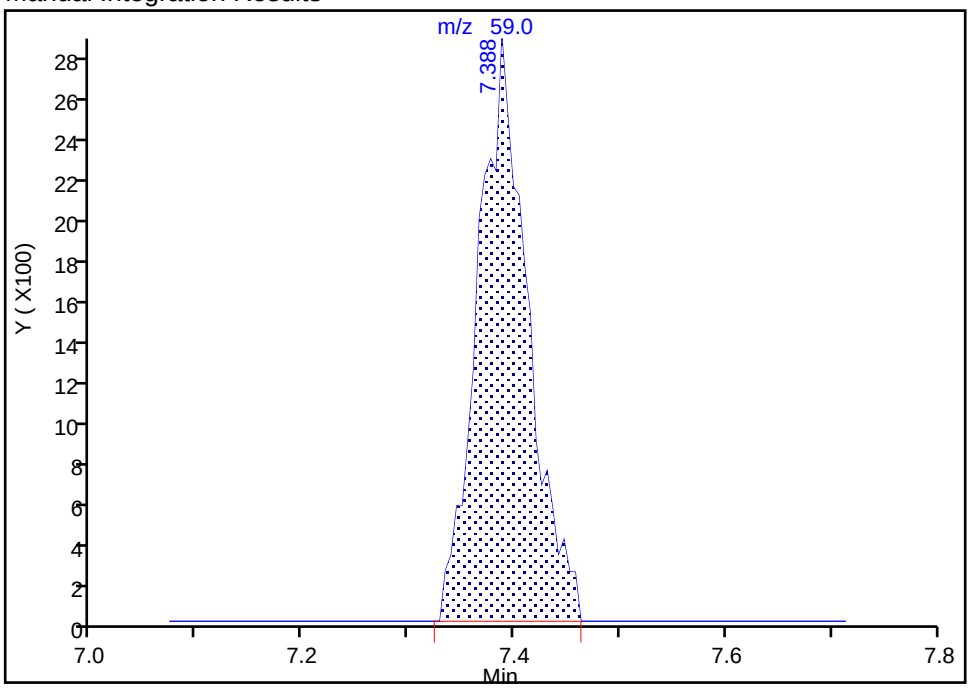
Processing Integration Results

Not Detected
Expected RT: 7.37



Manual Integration Results

RT: 7.39
Area: 9208
Amount: 0.103483
Amount Units: ppb v/v



Reviewer: puangmaleek, 19-Apr-2018 11:25:45
Audit Action: Assigned Compound ID Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

TestAmerica Burlington

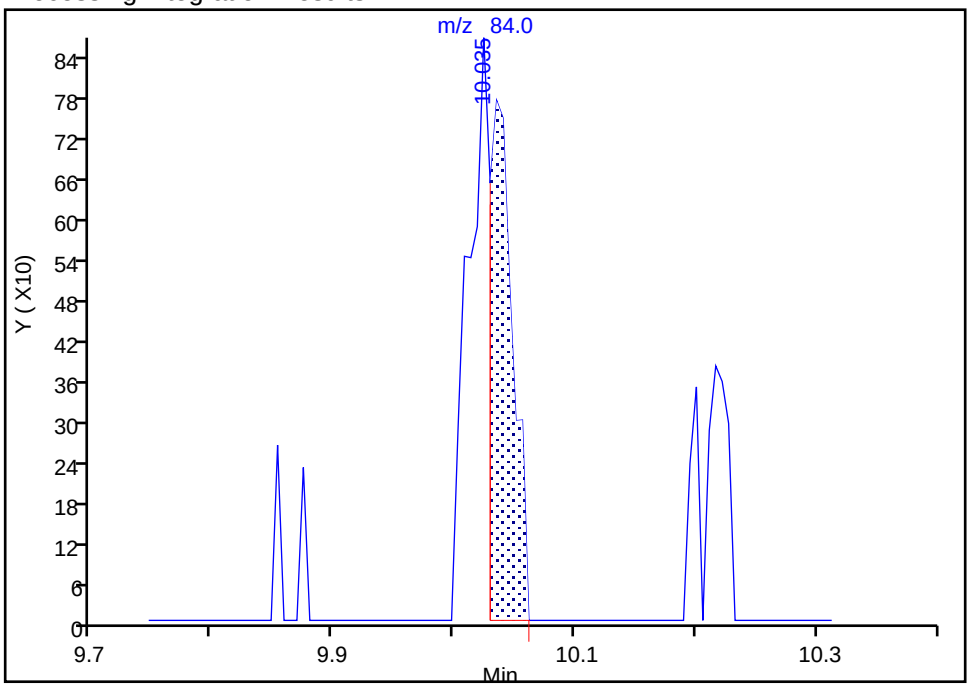
Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180418-30158.b\30158-09.D				
Injection Date:	18-Apr-2018 17:02:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-5	Lab Sample ID:	200-43091-5		
Client ID:	AMBIENT				
Operator ID:	pad	ALS Bottle#:	9	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

43 Cyclohexane, CAS: 110-82-7

Signal: 1

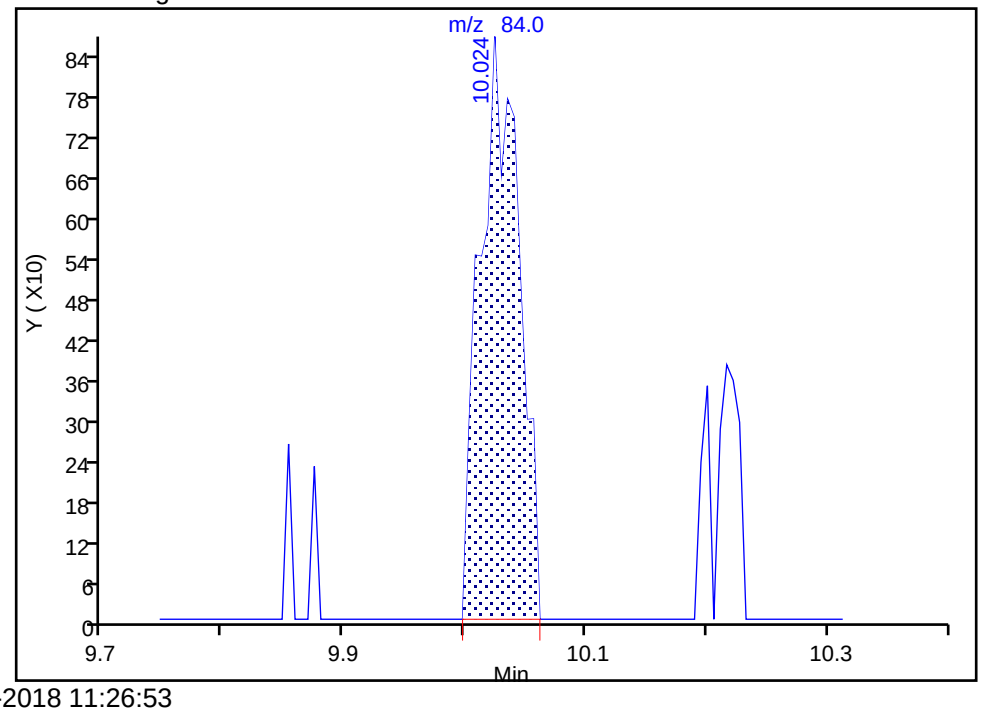
Processing Integration Results

RT: 10.04
Area: 1039
Amount: 0.014203
Amount Units: ppb v/v



Manual Integration Results

RT: 10.02
Area: 1935
Amount: 0.026451
Amount Units: ppb v/v



Reviewer: puangmaleek, 19-Apr-2018 11:26:53

Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

TestAmerica Burlington

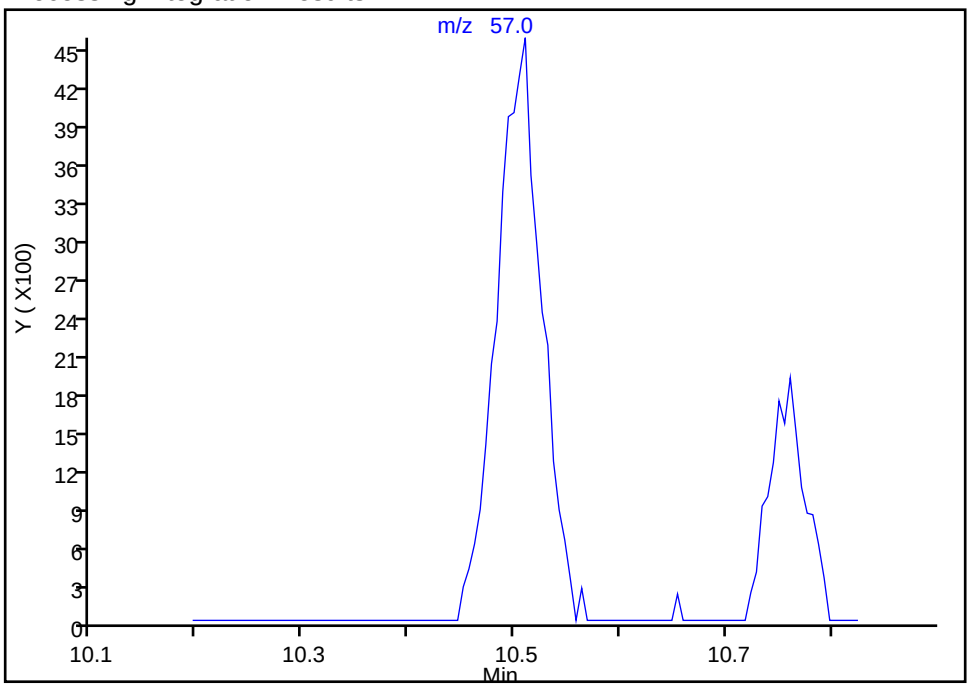
Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180418-30158.b\30158-09.D				
Injection Date:	18-Apr-2018 17:02:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-5	Lab Sample ID:	200-43091-5		
Client ID:	AMBIENT				
Operator ID:	pad	ALS Bottle#:	9	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

45 Isooctane, CAS: 540-84-1

Signal: 1

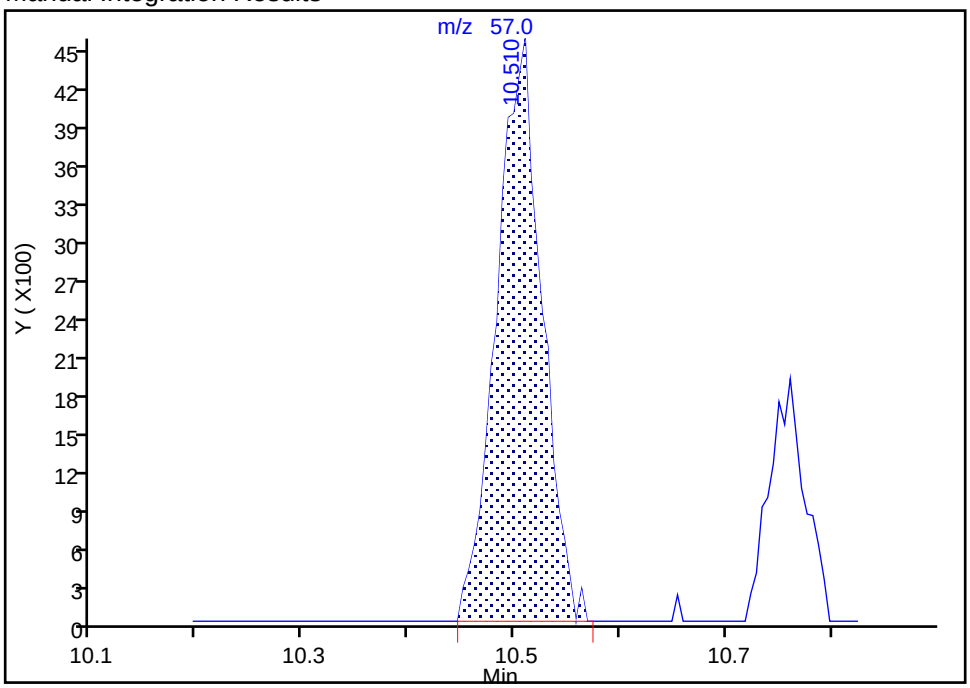
Not Detected
Expected RT: 10.50

Processing Integration Results



Manual Integration Results

RT: 10.51
Area: 13656
Amount: 0.055924
Amount Units: ppb v/v



Reviewer: puangmaleek, 19-Apr-2018 11:27:03
Audit Action: Assigned Compound ID Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

TestAmerica Burlington

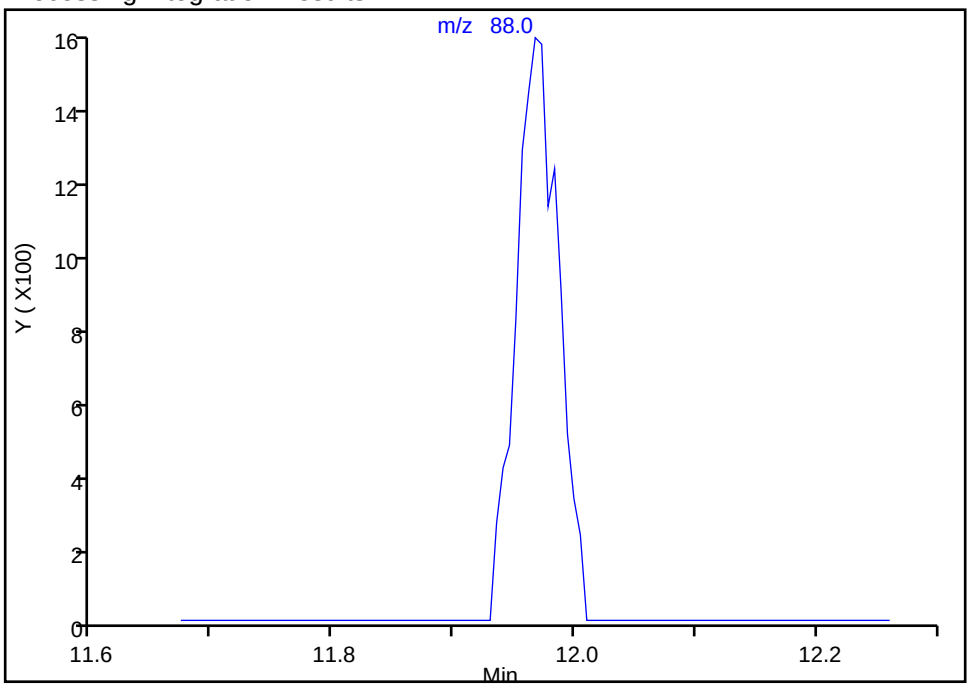
Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180418-30158.b\30158-09.D				
Injection Date:	18-Apr-2018 17:02:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-5	Lab Sample ID:	200-43091-5		
Client ID:	AMBIENT				
Operator ID:	pad	ALS Bottle#:	9	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

56 1,4-Dioxane, CAS: 123-91-1

Signal: 1

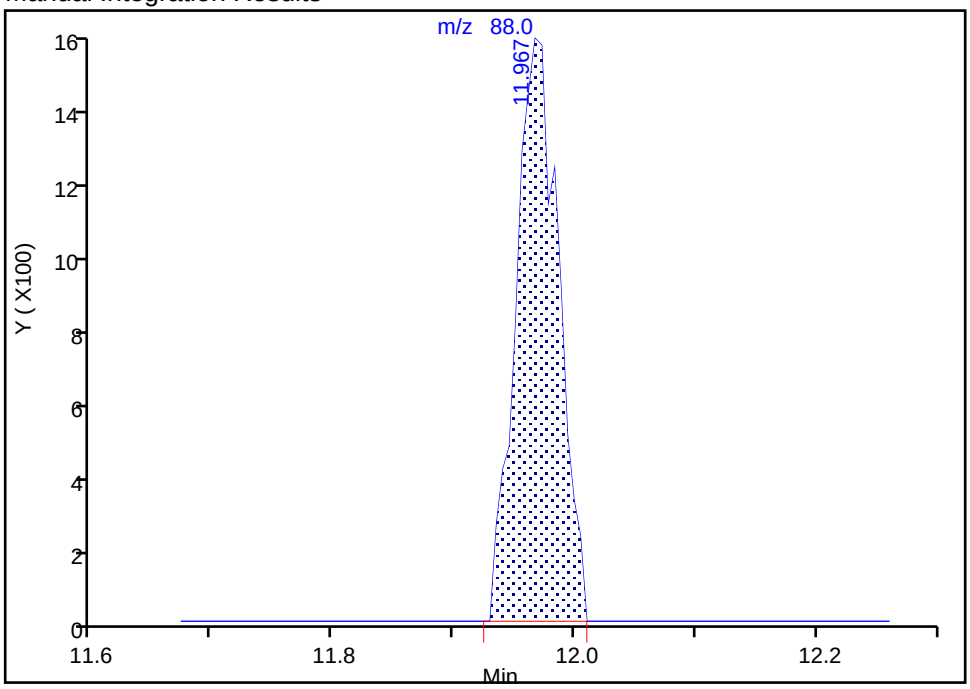
Not Detected
Expected RT: 11.95

Processing Integration Results



Manual Integration Results

RT: 11.97
Area: 3708
Amount: 0.107108
Amount Units: ppb v/v



Reviewer: puangmaleek, 19-Apr-2018 11:27:18
Audit Action: Assigned Compound ID Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

TestAmerica Burlington

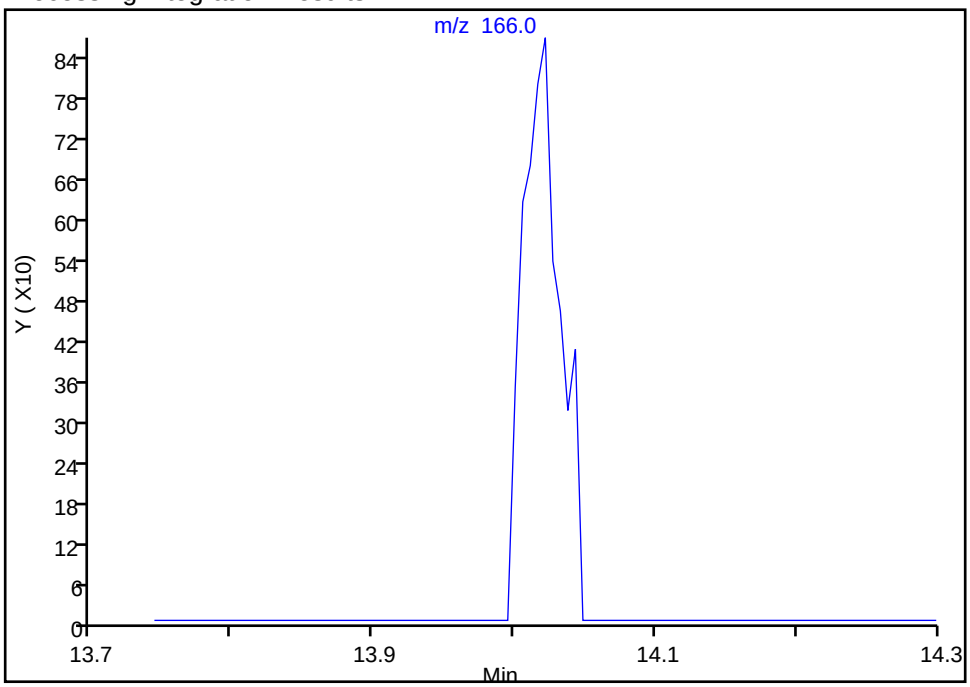
Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180418-30158.b\30158-09.D				
Injection Date:	18-Apr-2018 17:02:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-5	Lab Sample ID:	200-43091-5		
Client ID:	AMBIENT				
Operator ID:	pad	ALS Bottle#:	9	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

68 Tetrachloroethene, CAS: 127-18-4

Signal: 1

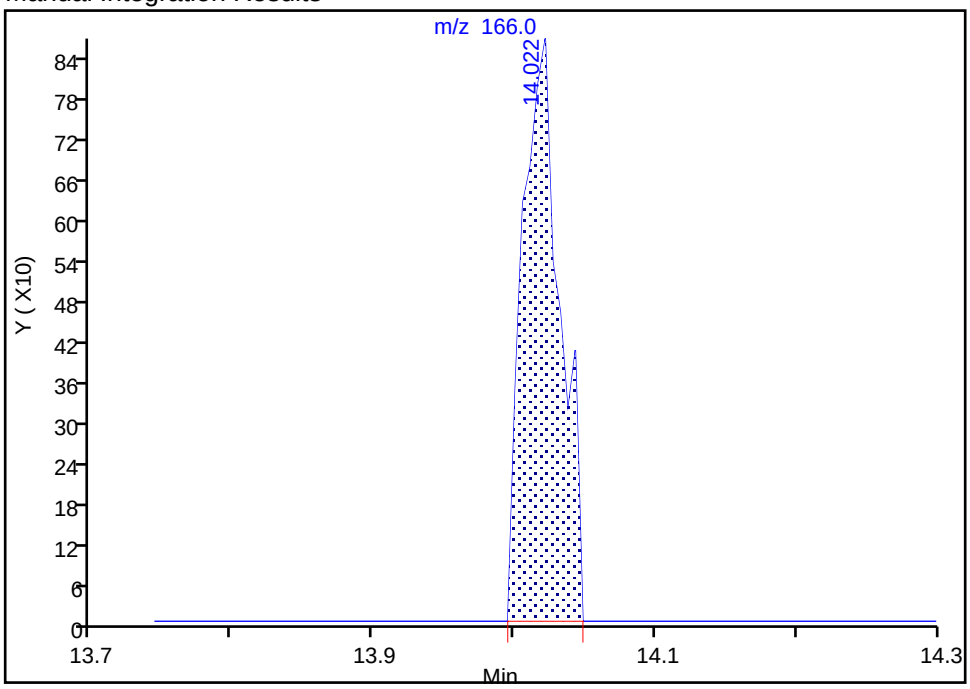
Not Detected
Expected RT: 14.02

Processing Integration Results



Manual Integration Results

RT: 14.02
Area: 1606
Amount: 0.015535
Amount Units: ppb v/v



Reviewer: puangmaleek, 19-Apr-2018 11:27:37
Audit Action: Assigned Compound ID Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

TestAmerica Burlington

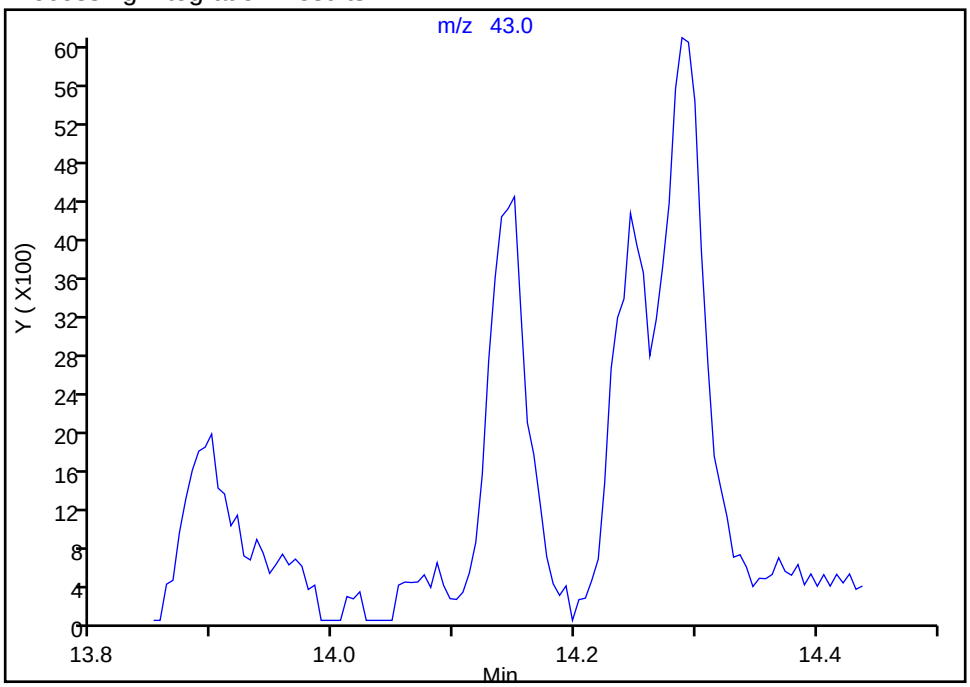
Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180418-30158.b\30158-09.D				
Injection Date:	18-Apr-2018 17:02:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-5	Lab Sample ID:	200-43091-5		
Client ID:	AMBIENT				
Operator ID:	pad	ALS Bottle#:	9	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

69 2-Hexanone, CAS: 591-78-6

Signal: 1

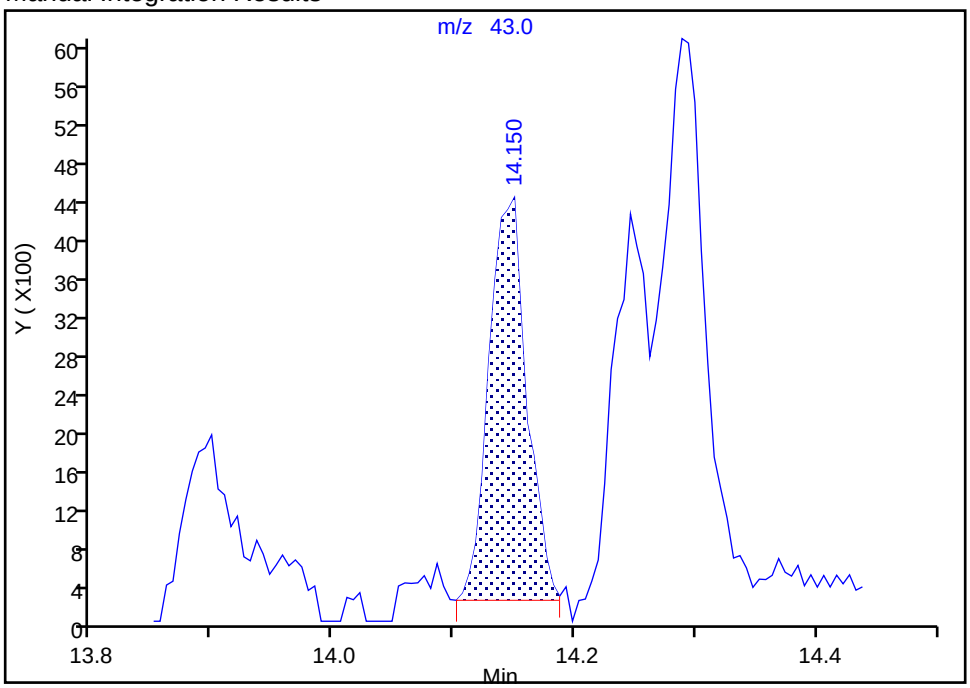
Not Detected
Expected RT: 14.13

Processing Integration Results



Manual Integration Results

RT: 14.15
Area: 9022
Amount: 0.089004
Amount Units: ppb v/v



Reviewer: puangmaleek, 19-Apr-2018 11:27:42
Audit Action: Assigned Compound ID Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

TestAmerica Burlington

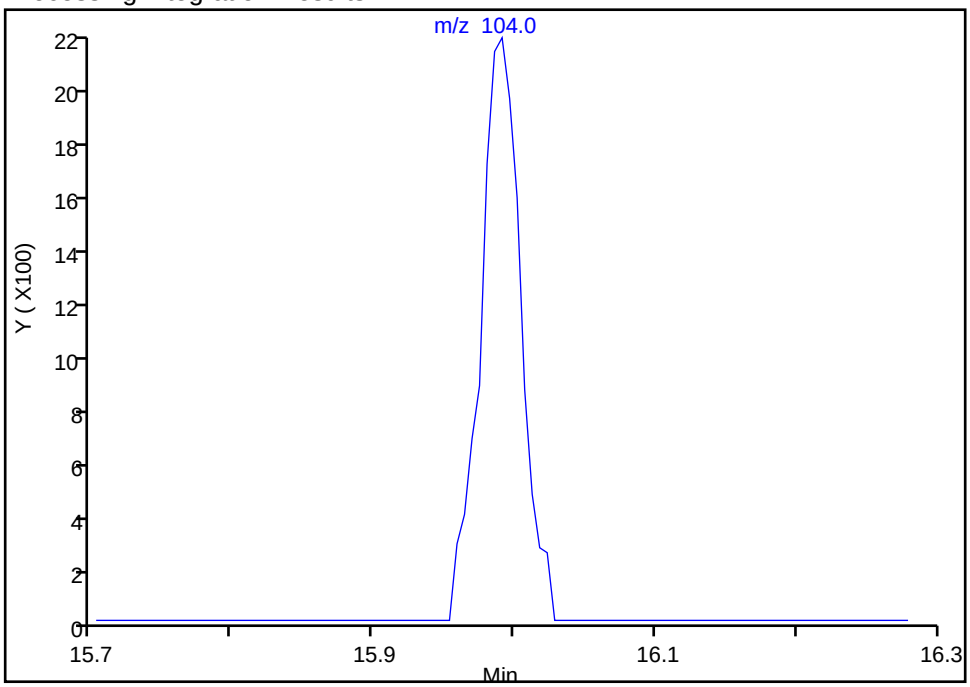
Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180418-30158.b\30158-09.D				
Injection Date:	18-Apr-2018 17:02:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-5	Lab Sample ID:	200-43091-5		
Client ID:	AMBIENT				
Operator ID:	pad	ALS Bottle#:	9	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

79 Styrene, CAS: 100-42-5

Signal: 1

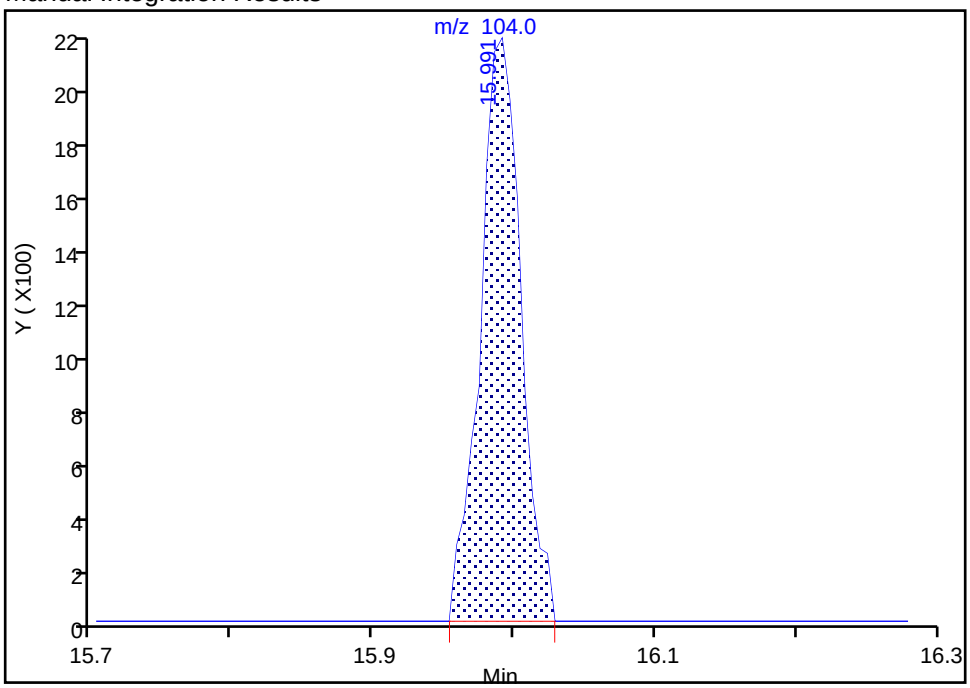
Not Detected
Expected RT: 15.99

Processing Integration Results



Manual Integration Results

RT: 15.99
Area: 4231
Amount: 0.027729
Amount Units: ppb v/v



Reviewer: puangmaleek, 19-Apr-2018 11:27:59
Audit Action: Assigned Compound ID Audit Reason: Assign Peak

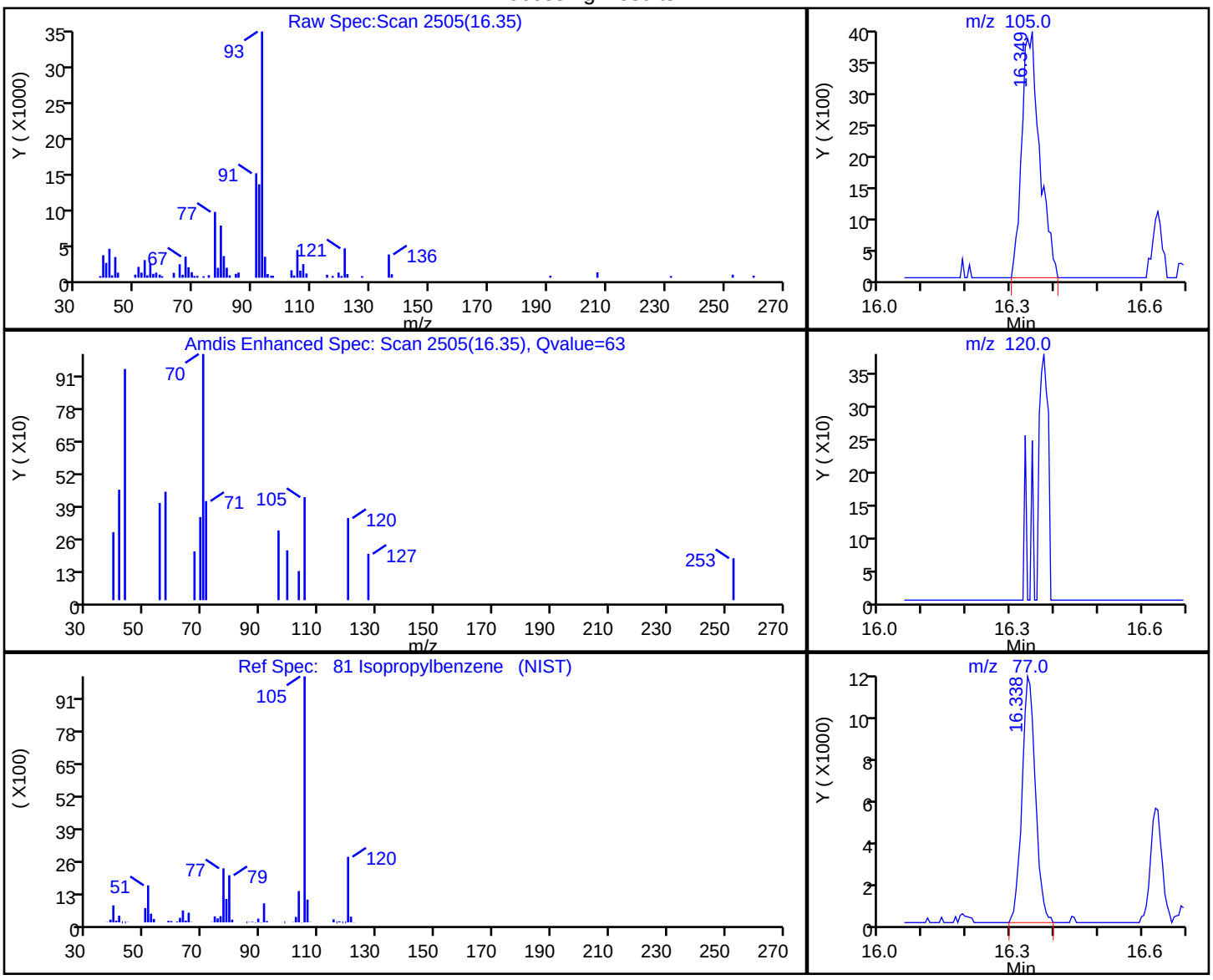
User Disabled Compound Report

TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180418-30158.b\30158-09.D				
Injection Date:	18-Apr-2018 17:02:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-5	Lab Sample ID:	200-43091-5		
Client ID:	AMBIENT				
Operator ID:	pad	ALS Bottle#:	9	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

81 Isopropylbenzene, CAS: 98-82-8

Processing Results



RT	Mass	Response	Amount
16.35	105.00	11115	0.042463
16.38	120.00	0	
16.34	77.00	24004	

Reviewer: puangmaleek, 19-Apr-2018 11:29:01

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

TestAmerica Burlington

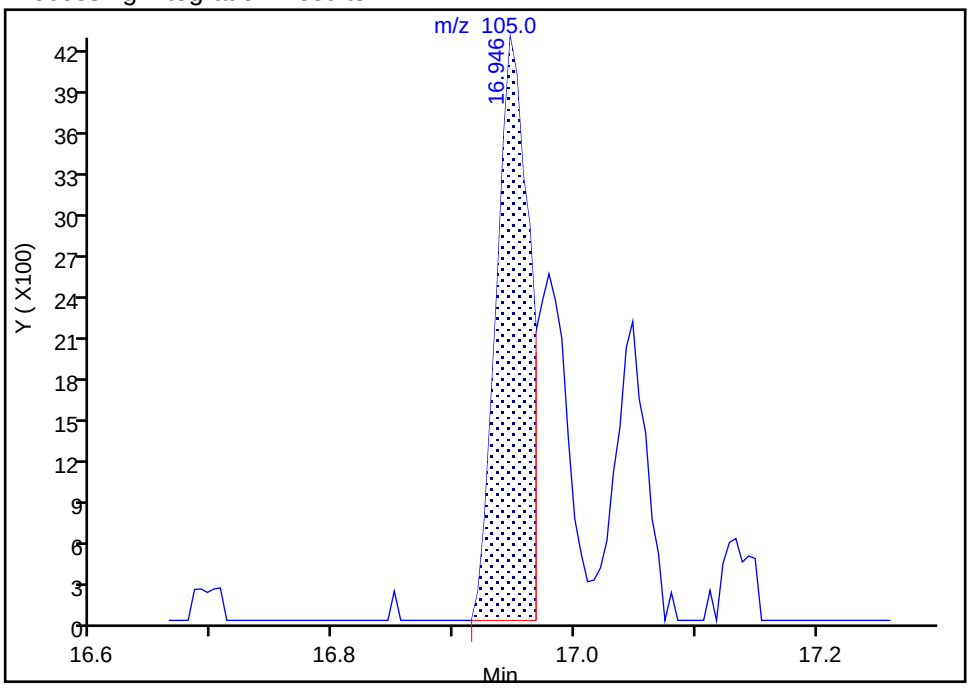
Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180418-30158.b\30158-09.D				
Injection Date:	18-Apr-2018 17:02:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-5	Lab Sample ID:	200-43091-5		
Client ID:	AMBIENT				
Operator ID:	pad	ALS Bottle#:	9	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

87 4-Ethyltoluene, CAS: 622-96-8

Signal: 1

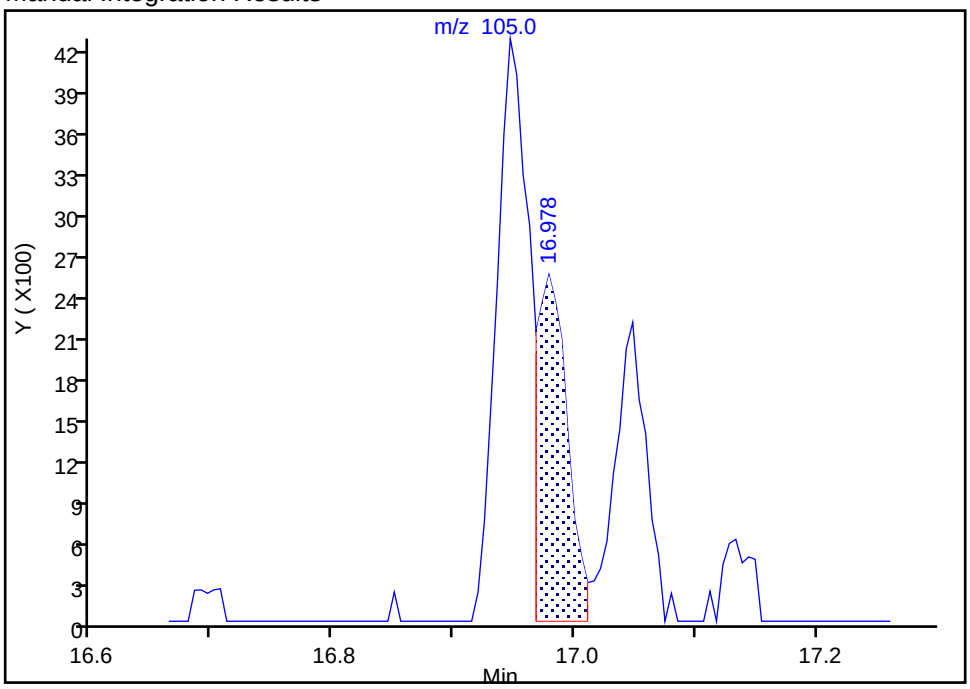
Processing Integration Results

RT: 16.95
Area: 8022
Amount: 0.030530
Amount Units: ppb v/v



Manual Integration Results

RT: 16.98
Area: 4552
Amount: 0.017324
Amount Units: ppb v/v



Reviewer: puangmaleek, 19-Apr-2018 11:28:14

Audit Action: Assigned Compound ID Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

TestAmerica Burlington

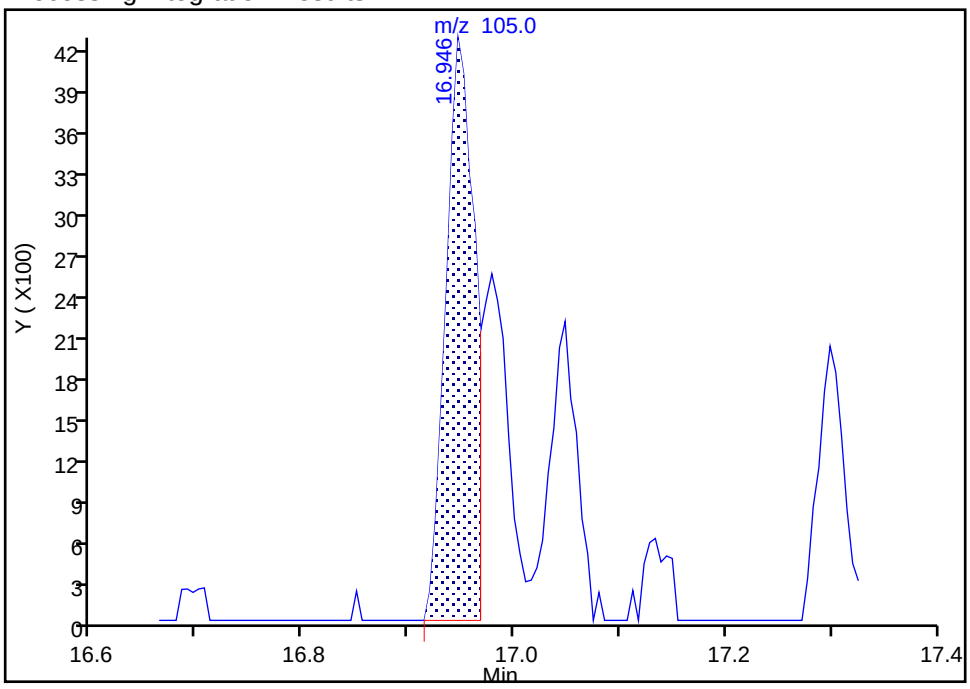
Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180418-30158.b\30158-09.D				
Injection Date:	18-Apr-2018 17:02:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-5	Lab Sample ID:	200-43091-5		
Client ID:	AMBIENT				
Operator ID:	pad	ALS Bottle#:	9	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

89 1,3,5-Trimethylbenzene, CAS: 108-67-8

Signal: 1

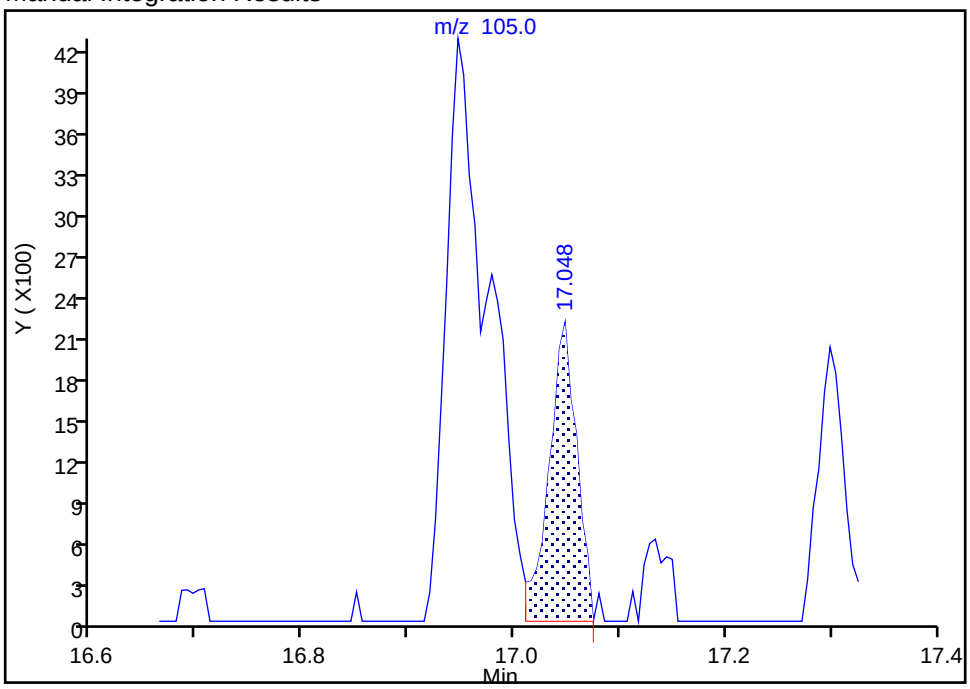
Processing Integration Results

RT: 16.95
Area: 8022
Amount: 0.036896
Amount Units: ppb v/v



Manual Integration Results

RT: 17.05
Area: 3974
Amount: 0.018278
Amount Units: ppb v/v



Reviewer: puangmaleek, 19-Apr-2018 11:28:26

Audit Action: Assigned Compound ID Audit Reason: Assign Peak

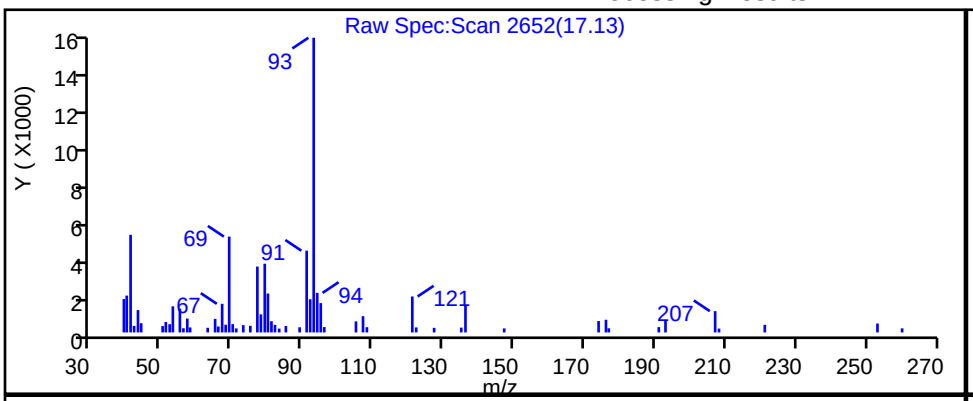
User Disabled Compound Report

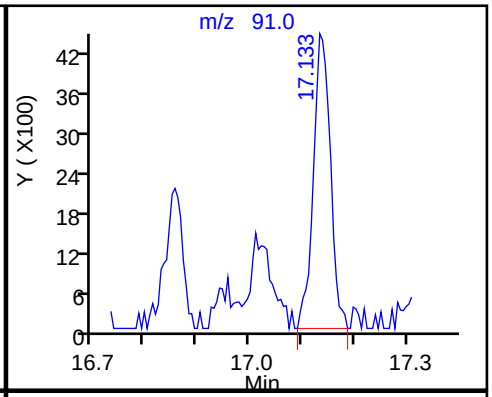
TestAmerica Burlington

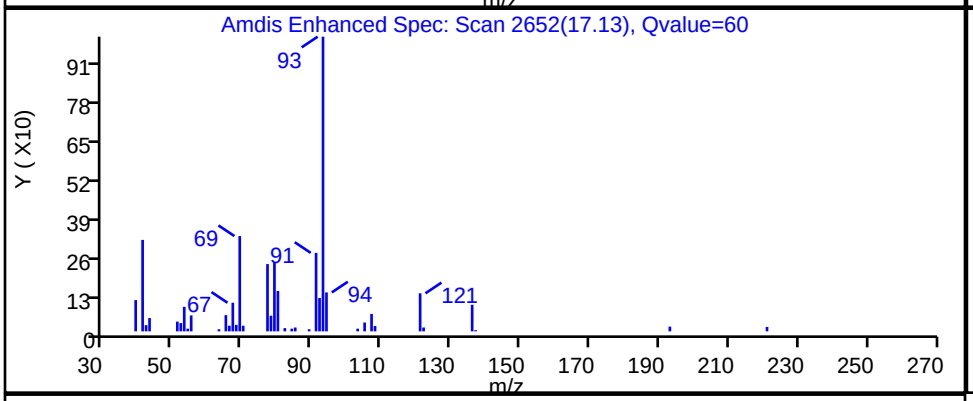
Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180418-30158.b\30158-09.D				
Injection Date:	18-Apr-2018 17:02:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-5	Lab Sample ID:	200-43091-5		
Client ID:	AMBIENT				
Operator ID:	pad	ALS Bottle#:	9	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

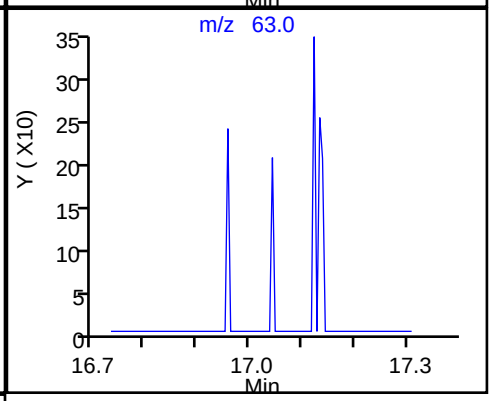
88 2-Chlorotoluene, CAS: 95-49-8

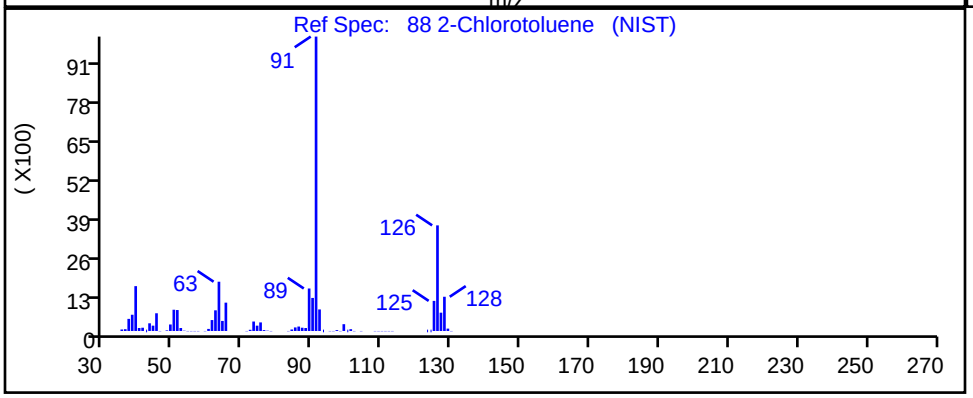
Processing Results











RT	Mass	Response	Amount
17.13	91.00	10038	0.045822
17.02	63.00	0	

Reviewer: puangmaleek, 19-Apr-2018 11:29:01

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

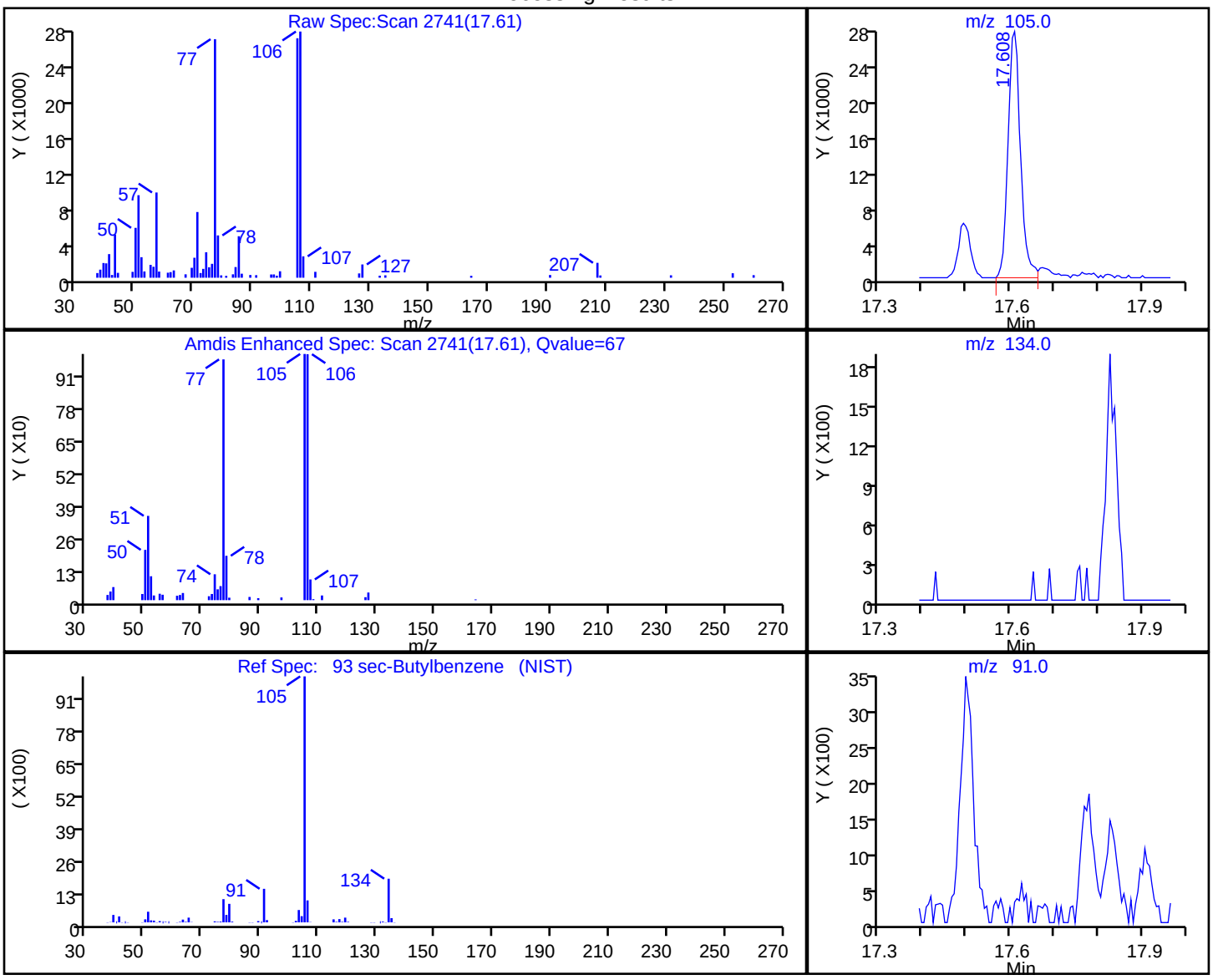
User Disabled Compound Report

TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180418-30158.b\30158-09.D				
Injection Date:	18-Apr-2018 17:02:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-5	Lab Sample ID:	200-43091-5		
Client ID:	AMBIENT				
Operator ID:	pad	ALS Bottle#:	9	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

93 sec-Butylbenzene, CAS: 135-98-8

Processing Results



RT	Mass	Response	Amount
17.61	105.00	53907	0.168236
17.68	134.00	0	
17.68	91.00	0	

Reviewer: puangmaleek, 19-Apr-2018 11:29:01

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

TestAmerica Burlington

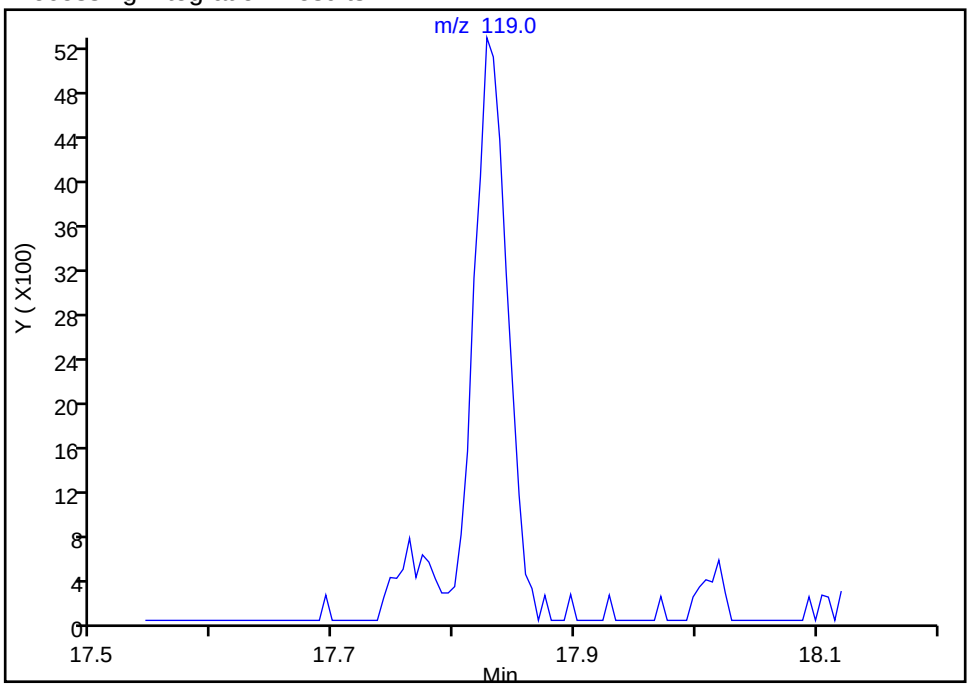
Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180418-30158.b\30158-09.D				
Injection Date:	18-Apr-2018 17:02:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-5	Lab Sample ID:	200-43091-5		
Client ID:	AMBIENT				
Operator ID:	pad	ALS Bottle#:	9	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

94 4-Isopropyltoluene, CAS: 99-87-6

Signal: 1

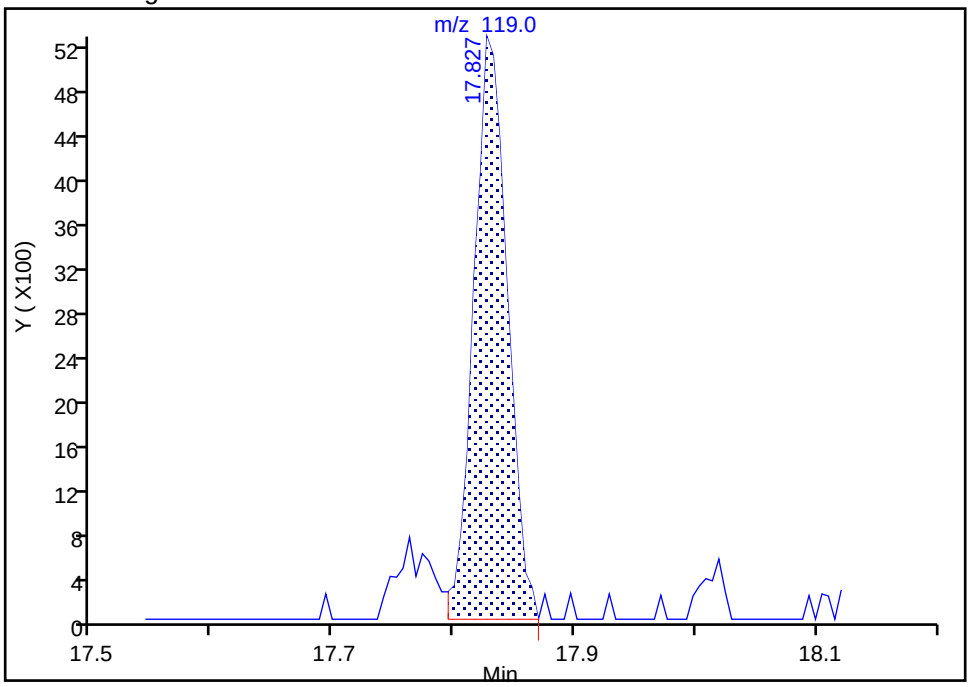
Not Detected
Expected RT: 17.83

Processing Integration Results



Manual Integration Results

RT: 17.83
Area: 10057
Amount: 0.037809
Amount Units: ppb v/v



Reviewer: puangmaleek, 19-Apr-2018 11:28:39
Audit Action: Assigned Compound ID Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

TestAmerica Burlington

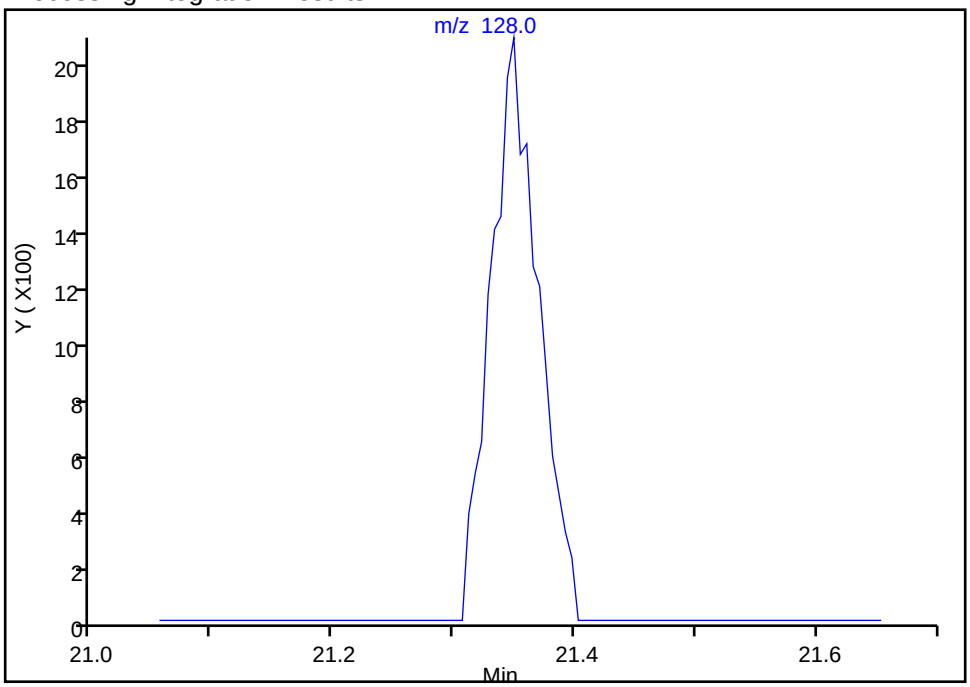
Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180418-30158.b\30158-09.D				
Injection Date:	18-Apr-2018 17:02:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-5	Lab Sample ID:	200-43091-5		
Client ID:	AMBIENT				
Operator ID:	pad	ALS Bottle#:	9	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

105 Naphthalene, CAS: 91-20-3

Signal: 1

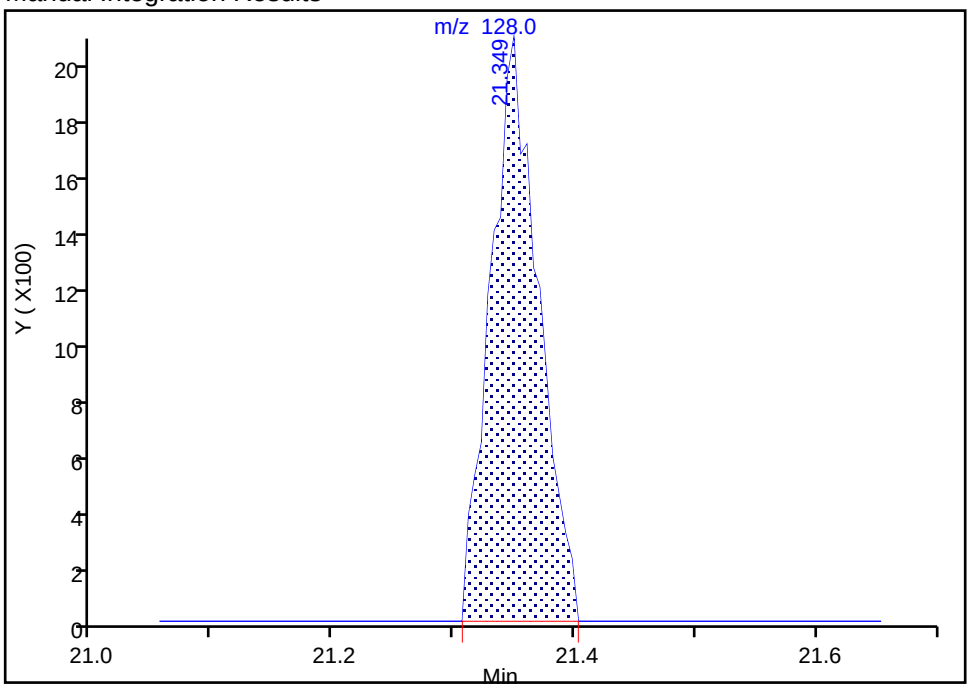
Not Detected
Expected RT: 21.34

Processing Integration Results



Manual Integration Results

RT: 21.35
Area: 5603
Amount: 0.020290
Amount Units: ppb v/v



Reviewer: puangmaleek, 19-Apr-2018 11:24:26
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-43091-1 Analy Batch No.: 128188

SDG No.: 200-43091-1

Instrument ID: CHB.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/05/2018 18:04 Calibration End Date: 04/06/2018 10:05 Calibration ID: 39248

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-128188/3	29969-03.D
Level 2	IC 200-128188/4	29969-04.D
Level 3	IC 200-128188/6	29969-06.D
Level 4	IC 200-128188/21	29969-21.D
Level 5	ICIS 200-128188/8	29969-08.D
Level 6	IC 200-128188/20	29969-20.D
Level 7	IC 200-128188/11	29969-11.D
Level 8	IC 200-128188/12	29969-12.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Propylene	+++++ 0.4667	+++++ 0.4751	+++++ 0.4085	0.4394	0.5137	Ave		0.4607				8.6		30.0			
Dichlorodifluoromethane	+++++ 1.8912	+++++ 1.9064	2.8389 1.6575	1.7882	1.9730	Ave		2.0092				21.0		30.0			
Chlorodifluoromethane	+++++ 0.9781	+++++ 0.9976	1.5345 0.8640	0.9258	1.0765	Ave		1.0627				22.8		30.0			
1,2-Dichlorotetrafluoroethane	+++++ 2.1343	2.9688 2.1148	3.0442 1.8563	2.0150	2.2007	Ave		2.3334				20.3		30.0			
Chloromethane	+++++ 0.6659	+++++ 0.6780	1.0360 0.5942	0.6215	0.7220	Ave		0.7196				22.4		30.0			
n-Butane	+++++ 1.0356	+++++ 1.0585	1.6957 0.9181	0.9813	1.1545	Ave		1.1406				24.8		30.0			
Vinyl chloride	1.5148 0.8969	1.2707 0.8963	1.2815 0.7937	0.8562	0.9348	Ave		1.0556				24.8		30.0			
1,3-Butadiene	1.1024 0.6533	0.9031 0.6609	0.9474 0.5792	0.6169	0.6916	Ave		0.7694				24.6		30.0			
Bromomethane	+++++ 1.0838	1.3027 1.0369	1.3771 0.9420	1.0182	1.0430	Ave		1.1148				14.4		30.0			
Chloroethane	+++++ 0.6001	+++++ 0.5900	0.8070 0.5287	0.5660	0.6092	Ave		0.6168				15.8		30.0			
Isopentane	+++++ 1.0106	1.5222 1.0417	1.5923 0.9084	0.9590	1.1169	Ave		1.1645				23.8		30.0			
Bromoethene(Vinyl Bromide)	+++++ 1.1701	1.3608 1.1109	1.4309 1.0194	1.1179	1.0951	Ave		1.1865				12.7		30.0			
Trichlorofluoromethane	+++++ 2.2678	3.0189 2.2393	3.0495 2.0125	2.1474	2.2873	Ave		2.4318				17.3		30.0			
n-Pentane	+++++ 1.5344	+++++ 1.5698	2.5448 1.3718	1.4376	1.6759	Ave		1.6890				25.6		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-43091-1 Analy Batch No.: 128188

SDG No.: 200-43091-1

Instrument ID: CHB.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/05/2018 18:04 Calibration End Date: 04/06/2018 10:05 Calibration ID: 39248

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethanol	+++++ 0.3607	+++++ 0.3594	0.4034 0.3055	0.3648	0.3557	Ave		0.3583				8.7		30.0			
Ethyl ether	+++++ 0.7238	0.8525 0.7077	0.9143 0.6400	0.6848	0.7184	Ave		0.7488				13.1		30.0			
Acrolein	+++++ 0.3169	+++++ 0.3244	+++++ 0.2586	0.3545	0.3627	Ave		0.3234				12.7		30.0			
1,1,2-Trichlorotrifluoroethane	+++++ 2.0912	2.5896 1.9883	2.6138 1.8498	1.9783	1.9688	Ave		2.1543				14.6		30.0			
1,1-Dichloroethene	1.7432 1.0771	1.2586 1.0154	1.2900 0.9427	1.0289	1.0049	Ave		1.1701				22.4		30.0			
Acetone	+++++ 1.2322	+++++ 1.2217	+++++ 1.0633	1.1464	1.3295	Ave		1.1986				8.3		30.0			
Isopropyl alcohol	+++++ 1.4825	+++++ 1.5244	+++++ 1.3216	1.4780	1.7316	Ave		1.5076				9.8		30.0			
Carbon disulfide	+++++ 2.7347	+++++ 2.6211	3.4684 2.4006	2.6028	2.6351	Ave		2.7438				13.5		30.0			
3-Chloropropene	+++++ 1.0465	1.3740 1.0408	1.5107 0.9230	0.8491	1.2220	Ave		1.1380				21.2		30.0			
Acetonitrile	+++++ 0.7191	+++++ 0.7353	+++++ 0.6484	0.7487	0.7789	Ave		0.7260				6.7		30.0			
Methylene Chloride	+++++ 1.0149	+++++ 1.0272	1.5677 0.9140	0.9708	1.0823	Ave		1.0961				21.7		30.0			
tert-Butyl alcohol	+++++ 2.0114	+++++ 2.0124	+++++ 1.7839	2.0021	2.1744	Ave		1.9969				7.0		30.0			
Methyl tert-butyl ether	+++++ 2.7705	3.4163 2.6936	3.5211 2.4621	2.6114	2.7257	Ave		2.8858				14.3		30.0			
trans-1,2-Dichloroethene	+++++ 1.3867	1.7370 1.3572	1.8528 1.2373	1.3131	1.3944	Ave		1.4683				15.8		30.0			
Acrylonitrile	+++++ 0.7683	+++++ 0.7620	1.0282 0.6876	0.7261	0.7885	Ave		0.7935				15.2		30.0			
n-Hexane	+++++ 1.5795	2.8004 1.5537	2.3416 1.3997	1.5029	1.5931	Ave		1.8244				29.1		30.0			
1,1-Dichloroethane	2.7766 1.8126	2.3743 1.7850	2.4169 1.6118	1.7058	1.8236	Ave		2.0383				20.8		30.0			
Vinyl acetate	+++++ 2.1834	+++++ 2.2309	+++++ 1.9539	2.0316	2.3700	Ave		2.1540				7.6		30.0			
Methyl Ethyl Ketone (2-Butanone)	+++++ 0.6154	+++++ 0.5945	0.7385 0.5459	0.5710	0.5853	Ave		0.6084				11.2		30.0			
cis-1,2-Dichloroethene	1.8590 1.2365	1.4808 1.1769	1.5474 1.1103	1.1663	1.1537	Ave		1.3414				19.7		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-43091-1 Analy Batch No.: 128188

SDG No.: 200-43091-1

Instrument ID: CHB.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/05/2018 18:04 Calibration End Date: 04/06/2018 10:05 Calibration ID: 39248

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethyl acetate	+++++ 0.1158	+++++ 0.1082	+++++ 0.1038	0.1086	0.1068	Ave		0.1086				4.1		30.0			
Tetrahydrofuran	+++++ 0.2457	+++++ 0.2568	+++++ 0.2335	0.2287	0.2683	Ave		0.2466				6.6		30.0			
Chloroform	+++++ 2.0143	2.5698 1.9593	2.6750 1.7949	1.9021	1.9840	Ave		2.1285				16.3		30.0			
1,1,1-Trichloroethane	+++++ 0.4411	0.5437 0.4405	0.5743 0.4203	0.4073	0.4346	Ave		0.4660				14.0		30.0			
Cyclohexane	+++++ 0.3603	0.4135 0.3513	0.4192 0.3411	0.3325	0.3371	Ave		0.3650				9.9		30.0			
Carbon tetrachloride	0.6173 0.4428	0.5165 0.4494	0.5438 0.4303	0.4253	0.4468	Ave		0.4840				14.2		30.0			
2,2,4-Trimethylpentane	+++++ 1.1502	1.4320 1.1555	1.4899 1.0861	1.0618	1.1537	Ave		1.2185				14.0		30.0			
Benzene	+++++ 0.7686	1.0652 0.7493	0.9786 0.7210	0.7181	0.7318	Ave		0.8190				17.3		30.0			
1,2-Dichloroethane	+++++ 0.2445	0.3313 0.2503	0.3432 0.2315	0.2272	0.2539	Ave		0.2688				17.8		30.0			
n-Heptane	+++++ 0.3962	0.5725 0.4104	0.5656 0.3710	0.3645	0.4199	Ave		0.4429				20.0		30.0			
n-Butanol	+++++ 0.1673	+++++ 0.1700	+++++ 0.1554	0.1637	0.1782	Ave		0.1669				5.0		30.0			
Trichloroethene	0.5225 0.3458	0.4055 0.3360	0.4253 0.3281	0.3203	0.3261	Ave		0.3762				18.8		30.0			
1,2-Dichloropropane	+++++ 0.3007	0.3746 0.3010	0.3947 0.2836	0.2800	0.2977	Ave		0.3189				14.4		30.0			
Methyl methacrylate	+++++ 0.2953	+++++ 0.2925	0.3502 0.2779	0.2690	0.2843	Ave		0.2949				9.8		30.0			
1,4-Dioxane	+++++ 0.1742	+++++ 0.1694	+++++ 0.1564	0.1839	0.1799	Ave		0.1727				6.2		30.0			
Dibromomethane	+++++ 0.3587	0.4307 0.3512	0.4205 0.3612	0.3375	0.3235	Ave		0.3690				11.1		30.0			
Bromodichloromethane	+++++ 0.5117	0.5847 0.5079	0.6382 0.4791	0.4670	0.5034	Ave		0.5274				11.7		30.0			
cis-1,3-Dichloropropene	+++++ 0.4335	0.5080 0.4296	0.5222 0.4082	0.4013	0.4178	Ave		0.4458				11.0		30.0			
4-Methyl-2-pentanone (Methyl isobutyl ketone)	+++++ 0.5023	+++++ 0.5233	0.6878 0.4740	0.4529	0.5362	Ave		0.5294				15.8		30.0			
n-Octane	+++++ 0.5371	0.7717 0.5589	0.7792 0.4819	0.5034	0.5877	Ave		0.6029				20.4		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-43091-1 Analy Batch No.: 128188

SDG No.: 200-43091-1

Instrument ID: CHB.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/05/2018 18:04 Calibration End Date: 04/06/2018 10:05 Calibration ID: 39248

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Toluene	+++++ 0.6597	0.8485 0.6381	0.7963 0.6250	0.6122	0.6051	Ave		0.6835				14.3		30.0			
trans-1,3-Dichloropropene	+++++ 0.4143	0.4782 0.4129	0.5114 0.3892	0.3788	0.4040	Ave		0.4270				11.5		30.0			
1,1,2-Trichloroethane	+++++ 0.3386	0.4051 0.3268	0.4072 0.3179	0.3154	0.3170	Ave		0.3469				11.9		30.0			
Tetrachloroethene	0.8091 0.5755	0.6313 0.5507	0.6539 0.5654	0.5305	0.5132	Ave		0.6037				15.8		30.0			
Methyl Butyl Ketone (2-Hexanone)	+++++ 0.5506	+++++ 0.5648	0.8638 0.5123	0.4940	0.5663	Ave		0.5920				23.0		30.0			
Dibromochloromethane	+++++ 0.6618	0.5236 0.6258	0.7086 0.6044	0.5899	0.6115	Ave		0.6179				9.4		30.0			
1,2-Dibromoethane	+++++ 0.6116	0.6792 0.5898	0.6985 0.5775	0.5661	0.5605	Ave		0.6119				9.1		30.0			
Chlorobenzene	+++++ 0.8844	1.0172 0.8478	1.0316 0.8374	0.8214	0.8004	Ave		0.8915				10.6		30.0			
Ethylbenzene	+++++ 1.3662	1.7469 1.3344	1.6585 1.2941	1.2630	1.2730	Ave		1.4194				14.0		30.0			
n-Nonane	+++++ 0.6443	0.8165 0.6445	0.8370 0.5936	0.5959	0.6406	Ave		0.6818				14.9		30.0			
m,p-Xylene	+++++ 0.5659	0.6086 0.5530	0.6302 0.5478	0.5145	0.5144	Ave		0.5621				7.8		30.0			
o-Xylene	+++++ 0.5710	0.6893 0.5582	0.6535 0.5510	0.5217	0.5255	Ave		0.5815				11.1		30.0			
Styrene	+++++ 0.9021	0.9556 0.8851	1.0028 0.8640	0.8203	0.8076	Ave		0.8911				7.9		30.0			
Bromoform	+++++ 0.6956	0.2589 0.6297	0.6133 0.5684	0.5737	0.6459	Ave		0.5694				25.2		30.0			
Cumene	+++++ 1.5215	1.6915 1.4853	1.7665 1.4176	1.3969	1.4211	Ave		1.5286				9.5		30.0			
1,1,2,2-Tetrachloroethane	+++++ 0.8462	0.9903 0.8297	1.0398 0.7769	0.7789	0.8134	Ave		0.8679				12.1		30.0			
n-Propylbenzene	+++++ 1.8520	2.1667 1.8266	2.2049 1.6499	1.6924	1.7529	Ave		1.8779				11.8		30.0			
1,2,3-Trichloropropane	+++++ 0.6224	+++++ 0.6236	0.7952 0.5641	0.5714	0.6075	Ave		0.6307				13.4		30.0			
n-Decane	+++++ 0.7811	+++++ 0.7870	1.0564 0.7368	0.7556	0.8144	Ave		0.8219				14.4		30.0			
4-Ethyltoluene	+++++ 1.5179	1.7206 1.4629	1.7915 1.4017	1.4184	1.4281	Ave		1.5345				10.3		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-43091-1 Analy Batch No.: 128188

SDG No.: 200-43091-1

Instrument ID: CHB.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/05/2018 18:04 Calibration End Date: 04/06/2018 10:05 Calibration ID: 39248

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2-Chlorotoluene	+++++ 1.2538	1.4482 1.2395	1.5158 1.1751	1.1403	1.1824	Ave		1.2793				11.3		30.0			
1,3,5-Trimethylbenzene	+++++ 1.2466	1.4298 1.1860	1.4658 1.2163	1.1590	1.1844	Ave		1.2697				9.9		30.0			
Alpha Methyl Styrene	+++++ 0.6663	0.6861 0.6481	0.7508 0.6522	0.6260	0.6179	Ave		0.6639				6.7		30.0			
tert-Butylbenzene	+++++ 1.1801	1.3653 1.1483	1.3780 1.1671	1.1159	1.1367	Ave		1.2131				9.1		30.0			
1,2,4-Trimethylbenzene	+++++ 1.2069	1.4022 1.1952	1.5049 1.1934	1.1623	1.1941	Ave		1.2656				10.5		30.0			
sec-Butylbenzene	+++++ 1.7703	2.1453 1.7554	2.2207 1.7326	1.7122	1.7622	Ave		1.8712				11.5		30.0			
4-Isopropyltoluene	+++++ 1.4765	1.6960 1.4967	1.8279 1.5184	1.4160	1.4421	Ave		1.5534				9.7		30.0			
1,3-Dichlorobenzene	+++++ 0.9113	1.0735 0.8944	1.1263 0.9052	0.8718	0.8604	Ave		0.9490				11.1		30.0			
1,4-Dichlorobenzene	+++++ 0.9046	1.0547 0.8910	1.1337 0.9042	0.8782	0.8446	Ave		0.9444				11.3		30.0			
Benzyl chloride	+++++ 1.0348	1.0990 1.1021	1.4247 1.0104	1.0588	1.1037	Ave		1.1191				12.5		30.0			
n-Undecane	+++++ 0.8564	+++++ 0.8966	+++++ 0.7674	0.8271	0.8965	Ave		0.8488				6.4		30.0			
n-Butylbenzene	+++++ 1.3895	1.6824 1.4391	1.8790 1.3734	1.3424	1.3622	Ave		1.4954				13.7		30.0			
1,2-Dichlorobenzene	+++++ 0.8394	1.0231 0.8439	1.0492 0.8624	0.8290	0.8271	Ave		0.8963				10.8		30.0			
n-Dodecane	+++++ 0.6900	0.6120 0.7795	1.1076 +++++	0.7428	0.8255	Ave		0.7929				21.6		30.0			
1,2,4-Trichlorobenzene	+++++ 0.7276	0.6611 0.7629	0.9763 +++++	0.7026	0.6924	Ave		0.7538				15.2		30.0			
Hexachlorobutadiene	+++++ 0.6233	0.6826 0.6335	0.7447 +++++	0.5901	0.6067	Ave		0.6468				8.9		30.0			
Naphthalene	+++++ 1.4437	1.1854 1.5625	2.5307 +++++	1.5126	1.4410	Ave		1.6127				29.0		30.0			
1,2,3-Trichlorobenzene	+++++ 0.6410	0.5969 0.6859	0.8569 +++++	0.6599	0.6688	Ave		0.6849				13.1		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-43091-1 Analy Batch No.: 128188

SDG No.: 200-43091-1

Instrument ID: CHB.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/05/2018 18:04 Calibration End Date: 04/06/2018 10:05 Calibration ID: 39248

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-128188/3	29969-03.D
Level 2	IC 200-128188/4	29969-04.D
Level 3	IC 200-128188/6	29969-06.D
Level 4	IC 200-128188/21	29969-21.D
Level 5	ICIS 200-128188/8	29969-08.D
Level 6	IC 200-128188/20	29969-20.D
Level 7	IC 200-128188/11	29969-11.D
Level 8	IC 200-128188/12	29969-12.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Propylene	BCM	Ave	+++++ 327411	+++++ 407049	+++++ 769940	103654	190715	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Dichlorodifluoromethane	BCM	Ave	+++++ 1326778	+++++ 1633438	46713 3123761	421812	732420	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Chlorodifluoromethane	BCM	Ave	+++++ 686160	+++++ 854746	25249 1628277	218387	399639	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorotetrafluoroethane	BCM	Ave	+++++ 1497306	20401 1812021	50090 3498260	475320	816934	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloromethane	BCM	Ave	+++++ 467141	+++++ 580938	17046 1119748	146601	268032	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Butane	BCM	Ave	+++++ 726551	+++++ 906950	27902 1730172	231481	428584	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Vinyl chloride	BCM	Ave	1910 629202	8732 768016	21087 1495857	201971	347024	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Butadiene	BCM	Ave	1390 458290	6206 566296	15589 1091478	145530	256746	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromomethane	BCM	Ave	+++++ 760315	8952 888429	22660 1775353	240184	387178	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloroethane	BCM	Ave	+++++ 420982	+++++ 505532	13279 996390	133520	226134	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopentane	BCM	Ave	+++++ 708967	10460 892586	26201 1712023	226231	414622	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoethene(Vinyl Bromide)	BCM	Ave	+++++ 820900	9351 951904	23544 1921215	263707	406523	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Trichlorofluoromethane	BCM	Ave	+++++ 1590943	20745 1918722	50178 3792743	506554	849105	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Pentane	BCM	Ave	+++++ 1076426	+++++ 1345082	41873 2585232	339107	622137	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethanol	BCM	Ave	+++++ 338137	+++++ 616046	66459 1439343	172198	198158	+++++ 20.0	+++++ 40.0	5.01 100.0	9.99	15.0

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-43091-1 Analy Batch No.: 128188

SDG No.: 200-43091-1

Instrument ID: CHB.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/05/2018 18:04 Calibration End Date: 04/06/2018 10:05 Calibration ID: 39248

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Ethyl ether	BCM	Ave	+++++ 507771	5858 606366	15045 1206222	161537	266701	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrolein	BCM	Ave	+++++ 222290	+++++ 277936	+++++ 487433	83634	134643	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
1,1,2-Trichlorotrifluoroethane	BCM	Ave	+++++ 1467095	17795 1703657	43009 3486027	466663	730860	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethene	BCM	Ave	2198 755612	8649 870030	21226 1776573	242711	373041	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetone	BCM	Ave	+++++ 864460	+++++ 1046772	+++++ 2003787	270430	493541	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Isopropyl alcohol	BCM	Ave	+++++ 1040026	+++++ 1306198	+++++ 2490683	348643	642798	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Carbon disulfide	BCM	Ave	+++++ 1918536	+++++ 2245863	57070 4524091	613966	978195	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
3-Chloropropene	BCM	Ave	+++++ 734193	9442 891790	24857 1739438	200286	453633	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetonitrile	BCM	Ave	+++++ 504457	+++++ 630001	+++++ 1221919	176607	289133	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methylene Chloride	BCM	Ave	+++++ 711971	+++++ 880142	25796 1722417	229006	401780	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
tert-Butyl alcohol	BCM	Ave	+++++ 1411110	+++++ 1724320	+++++ 3361970	472287	807196	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methyl tert-butyl ether	BCM	Ave	+++++ 1943633	23476 2308026	57938 4640018	616001	1011856	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,2-Dichloroethene	BCM	Ave	+++++ 972855	11936 1162897	30486 2331761	309749	517622	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrylonitrile	BCM	Ave	+++++ 538973	+++++ 652903	16919 1295808	171291	292706	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Hexane	BCM	Ave	+++++ 1108079	19244 1331267	38529 2637855	354531	591399	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethane	BCM	Ave	3501 1271637	16316 1529432	39768 3037525	402377	676976	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Vinyl acetate	BCM	Ave	+++++ 1531737	+++++ 1911496	+++++ 3682357	479239	879804	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methyl Ethyl Ketone (2-Butanone)	BCM	Ave	+++++ 431756	+++++ 509370	12152 1028769	134691	217268	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
cis-1,2-Dichloroethene	BCM	Ave	2344 867468	10176 1008407	25461 2092521	275114	428287	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Ethyl acetate	BCM	Ave	+++++ 81244	+++++ 92677	+++++ 195639	25623	39644	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Tetrahydrofuran	DFBZ	Ave	+++++ 760698	+++++ 954845	+++++ 1845667	241467	442129	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-43091-1 Analy Batch No.: 128188

SDG No.: 200-43091-1

Instrument ID: CHB.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/05/2018 18:04 Calibration End Date: 04/06/2018 10:05 Calibration ID: 39248

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Chloroform	BCM	Ave	+++++ 1413122	17659 1678785	44015 3382610	448684	736497	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,1-Trichloroethane	DFBZ	Ave	+++++ 1365690	16955 1637873	42948 3321366	429979	716026	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cyclohexane	DFBZ	Ave	+++++ 1115535	12896 1306247	31355 2696049	350942	555496	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Carbon tetrachloride	DFBZ	Ave	3497 1370889	16106 1670905	40669 3400835	448916	736217	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2,2,4-Trimethylpentane	DFBZ	Ave	+++++ 3560738	44656 4296309	111426 8583521	1120857	1901044	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzene	DFBZ	Ave	+++++ 2379472	33219 2785873	73187 5698331	758062	1205822	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloroethane	DFBZ	Ave	+++++ 756899	10330 930447	25669 1829393	239812	418402	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Heptane	DFBZ	Ave	+++++ 1226698	17854 1525733	42301 2932398	384722	691872	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butanol	DFBZ	Ave	+++++ 517889	+++++ 632106	+++++ 1227827	172791	293565	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Trichloroethene	DFBZ	Ave	2960 1070429	12646 1249243	31810 2592782	338145	537352	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloropropane	DFBZ	Ave	+++++ 930943	11682 1118957	29522 2241597	295567	490585	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl methacrylate	DFBZ	Ave	+++++ 914244	+++++ 1087435	26194 2196076	283908	468415	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,4-Dioxane	DFBZ	Ave	+++++ 539367	+++++ 629757	+++++ 1235848	194096	296368	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Dibromomethane	DFBZ	Ave	+++++ 1110446	13430 1305879	31450 2854351	356286	533037	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromodichloromethane	DFBZ	Ave	+++++ 1584160	18232 1888446	47733 3786737	492982	829417	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
cis-1,3-Dichloropropene	DFBZ	Ave	+++++ 1341912	15842 1597410	39058 3225907	423563	688494	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
4-Methyl-2-pentanone (Methyl isobutyl ketone)	DFBZ	Ave	+++++ 1554918	+++++ 1945542	51440 3745980	478039	883489	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Octane	DFBZ	Ave	+++++ 1662706	24066 2078043	58278 3808674	531425	968434	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Toluene	CBNZ d5	Ave	+++++ 1807911	23511 2132870	53080 4416070	568115	903907	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,3-Dichloropropene	DFBZ	Ave	+++++ 1282479	14913 1535159	38246 3075920	399844	665616	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2-Trichloroethane	CBNZ d5	Ave	+++++ 928077	11224 1092398	27147 2246368	292677	473608	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-43091-1 Analy Batch No.: 128188

SDG No.: 200-43091-1

Instrument ID: CHB.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/05/2018 18:04 Calibration End Date: 04/06/2018 10:05 Calibration ID: 39248

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Tetrachloroethene	CBNZ d5	Ave	4044 1577292	17492 1840877	43592 3995134	492295	766600	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Butyl Ketone (2-Hexanone)	CBNZ d5	Ave	+++++ 1508993	+++++ 1887874	57586 3619530	458378	845889	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dibromochloromethane	CBNZ d5	Ave	+++++ 1813672	14508 2091890	47236 4270362	547385	913449	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dibromoethane	CBNZ d5	Ave	+++++ 1676040	18820 1971395	46564 4080137	525361	837312	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chlorobenzene	CBNZ d5	Ave	+++++ 2423861	28186 2833802	68767 5916726	762224	1195625	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Ethylbenzene	CBNZ d5	Ave	+++++ 3744204	48407 4460225	110560 9143608	1172022	1901616	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Nonane	CBNZ d5	Ave	+++++ 1765663	22626 2154348	55798 4193854	553022	956916	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
m,p-Xylene	CBNZ d5	Ave	+++++ 3101973	33730 3696641	84025 7740796	954974	1536888	+++++ 30.0	0.401 40.0	1.00 80.0	9.99	20.0
o-Xylene	CBNZ d5	Ave	+++++ 1564875	19101 1865926	43566 3893400	484150	785024	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Styrene	CBNZ d5	Ave	+++++ 2472196	26478 2958603	66852 6105049	761183	1206378	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoform	CBNZ d5	Ave	+++++ 1906184	7173 2104912	40887 4015991	532420	964872	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cumene	CBNZ d5	Ave	+++++ 4169688	46870 4964549	117761 10016320	1296251	2122837	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2,2-Tetrachloroethane	CBNZ d5	Ave	+++++ 2319132	27442 2773394	69315 5489194	722791	1215130	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Propylbenzene	CBNZ d5	Ave	+++++ 5075360	60039 6105647	146987 11657611	1570542	2618555	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichloropropane	CBNZ d5	Ave	+++++ 1705834	+++++ 2084425	53010 3985551	530285	907459	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Decane	CBNZ d5	Ave	+++++ 2140742	+++++ 2630713	70425 5206258	701174	1216545	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
4-Ethyltoluene	CBNZ d5	Ave	+++++ 4159985	47678 4889906	119428 9903722	1316223	2133350	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2-Chlorotoluene	CBNZ d5	Ave	+++++ 3436012	40128 4143018	101045 8302913	1058153	1766387	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3,5-Trimethylbenzene	CBNZ d5	Ave	+++++ 3416334	39620 3964117	97714 8594096	1075550	1769252	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Alpha Methyl Styrene	CBNZ d5	Ave	+++++ 1825946	19012 2166139	50050 4607948	580899	922989	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
tert-Butylbenzene	CBNZ d5	Ave	+++++ 3234117	37832 3838099	91859 8246499	1035578	1698049	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-43091-1 Analy Batch No.: 128188

SDG No.: 200-43091-1

Instrument ID: CHB.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/05/2018 18:04 Calibration End Date: 04/06/2018 10:05 Calibration ID: 39248

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,2,4-Trimethylbenzene	CBNZ d5	Ave	+++++ 3307518	38855 3994892	100322 8432462	1078560	1783845	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
sec-Butylbenzene	CBNZ d5	Ave	+++++ 4851444	59445 5867404	148036 12242047	1588864	2632418	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
4-Isopropyltoluene	CBNZ d5	Ave	+++++ 4046446	46996 5002826	121853 10728603	1313974	2154206	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Dichlorobenzene	CBNZ d5	Ave	+++++ 2497528	29745 2989422	75079 6396025	809035	1285275	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,4-Dichlorobenzene	CBNZ d5	Ave	+++++ 2478952	29224 2978197	75575 6388451	814941	1261699	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzyl chloride	CBNZ d5	Ave	+++++ 2835799	30452 3683721	94976 7138894	982518	1648807	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Undecane	CBNZ d5	Ave	+++++ 2346964	+++++ 2996960	+++++ 5422449	767552	1339191	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
n-Butylbenzene	CBNZ d5	Ave	+++++ 3807938	46618 4810371	125258 9703827	1245757	2034845	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorobenzene	CBNZ d5	Ave	+++++ 2300431	28350 2820821	69945 6093490	769337	1235613	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Dodecane	CBNZ d5	Ave	+++++ 1891065	16959 2605426	73837 +++++	689330	1233097	+++++ 15.0	0.200 20.0	0.500 +++++	4.99	10.00
1,2,4-Trichlorobenzene	CBNZ d5	Ave	+++++ 1993972	18318 2549866	65083 +++++	651989	1034345	+++++ 15.0	0.200 20.0	0.500 +++++	4.99	10.00
Hexachlorobutadiene	CBNZ d5	Ave	+++++ 1708111	18915 2117522	49645 +++++	547618	906332	+++++ 15.0	0.200 20.0	0.500 +++++	4.99	10.00
Naphthalene	CBNZ d5	Ave	+++++ 3956546	32848 5222616	168703 +++++	1403621	2152687	+++++ 15.0	0.200 20.0	0.500 +++++	4.99	10.00
1,2,3-Trichlorobenzene	CBNZ d5	Ave	+++++ 1756663	16541 2292737	57121 +++++	612340	999093	+++++ 15.0	0.200 20.0	0.500 +++++	4.99	10.00

Curve Type Legend:
Ave = Average ISTD

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180405-29969.b\29969-03.D
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 05-Apr-2018 18:04:30 ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0029969-003
Operator ID: pad Instrument ID: CHB.i
Sublist: chrom-TO15_LLNJ_TO3*sub5

Method: \\ChromNA\Burlington\ChromData\CHB.i\20180405-29969.b\TO15_LLNJ_TO3.m
Limit Group: AI_TO15_ICAL
Last Update: 06-Apr-2018 15:39:31 Calib Date: 06-Apr-2018 10:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHB.i\20180405-29969.b\29969-21.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK029

First Level Reviewer: daiglep Date: 06-Apr-2018 08:48:02

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	3.135	3.129	0.006	91	1785	0.0351	0.1078	
2 Dichlorodifluoromethane	85	3.193	3.188	0.005	97	4147	0.0351	0.0574	
3 Chlorodifluoromethane	51	3.225	3.220	0.005	95	2433	0.0351	0.0637	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.407	3.407	0.000	83	4590	0.0351	0.0547	
5 Chloromethane	50	3.540	3.529	0.011	92	1746	0.0351	0.0675	
6 Butane	43	3.700	3.705	-0.005	95	4205	0.0351	0.1026	
7 Vinyl chloride	62	3.743	3.738	0.005	94	1910	0.0351	0.0503	
8 Butadiene	54	3.812	3.802	0.010	83	1390	0.0351	0.0503	
10 Bromomethane	94	4.479	4.463	0.016	81	2072	0.0351	0.0517	
9 BFB									
11 Chloroethane	64	4.693	4.693	0.000	1	1014	0.0351	0.0457	
12 2-Methylbutane	43	4.794	4.778	0.016	91	2228	0.0351	0.0532	
13 Vinyl bromide	106	5.104	5.104	0.000	86	2105	0.0351	0.0494	
14 Trichlorofluoromethane	101	5.216	5.205	0.011	97	2970	0.0351	0.0340	
15 Pentane	43	5.349	5.339	0.010	95	7837	0.0351	0.1291	
16 Ethanol	45	5.686	5.653	0.033	97	2726	0.0702	0.2117	
17 Ethyl ether	59	5.856	5.814	0.042	75	1092	0.0351	0.0406	
18 Acrolein	56	6.193	6.176	0.017	45	1195	0.0351	0.1028	
19 1,1,2-Trichloro-1,2,2-trif	101	6.230	6.230	0.000	94	3963	0.0351	0.0512	
20 1,1-Dichloroethene	96	6.305	6.299	0.006	81	2198	0.0351	0.0523	
21 Acetone	43	6.486	6.443	0.043	93	9454	0.0351	0.2194	
22 Isopropyl alcohol	45	6.710	6.662	0.048	97	3332	0.0351	0.0615	
23 Carbon disulfide	76	6.732	6.732	0.000	98	5552	0.0351	0.0563	
24 3-Chloro-1-propene	41	6.993	6.998	-0.005	1	1844	0.0351	0.0451	
26 Acetonitrile	41	7.073	7.052	0.021	5	2191	0.0351	0.0840	
27 Methylene Chloride	49	7.255	7.255	0.000	92	3577	0.0351	0.0908	
28 2-Methyl-2-propanol	59	7.415	7.367	0.048	92	3340	0.0351	0.0465	
29 Methyl tert-butyl ether	73	7.650	7.607	0.043	97	5236	0.0351	0.0505	
30 trans-1,2-Dichloroethene	61	7.666	7.665	0.001	84	2749	0.0351	0.0521	
31 Acrylonitrile	53	7.751	7.735	0.016	24	479	0.0351	0.0168	
32 Hexane	57	8.007	8.002	0.005	90	8308	0.0351	0.1267	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
33 1,1-Dichloroethane	63	8.407	8.407	0.000	95	3501	0.0351	0.0478	
34 Vinyl acetate	43	8.434	8.413	0.021	98	4157	0.0351	0.0537	
36 2-Butanone (MEK)	72	9.336	9.299	0.037	99	1256	0.0351	0.0574	
37 cis-1,2-Dichloroethene	96	9.309	9.315	-0.006	57	2344	0.0351	0.0486	
35 Ethyl acetate	88		9.315				ND	ND	
* 39 Chlorobromomethane	128	9.678	8.078	1.600	88	359462	10.0	10.0	
38 Tetrahydrofuran	42	9.736	9.694	0.042	79	2153	0.0351	0.0541	
40 Chloroform	83	9.752	9.758	-0.006	89	4146	0.0351	0.0542	
S 41 1,2-Dichloroethene, Total	61				0		0.0702	0.1007	
42 1,1,1-Trichloroethane	97	10.014	10.014	0.000	86	3513	0.0351	0.0467	
43 Cyclohexane	84	10.030	10.030	0.000	90	3097	0.0351	0.0525	
44 Carbon tetrachloride	117	10.211	10.222	-0.011	96	3497	0.0351	0.0447	
45 Isooctane	57	10.500	10.505	-0.005	98	10073	0.0351	0.0512	
46 Benzene	78	10.537	10.547	-0.010	96	9346	0.0351	0.0707	
47 1,2-Dichloroethane	62		10.643				ND	ND	
48 n-Heptane	43	10.761	10.761	0.000	85	4114	0.0351	0.0575	
A 49 GRO	1	10.852	(4.768-16.935)		0	6081602	0.0351	0	
* 50 1,4-Difluorobenzene	114	11.081	11.086	-0.005	94	1614984	10.0	10.0	
51 n-Butanol	56	11.327	11.268	0.059	94	2364	0.0351	0.0877	
53 Trichloroethene	95	11.460	11.460	0.000	93	2960	0.0351	0.0487	M
54 1,2-Dichloropropane	63	11.823	11.823	0.000	88	2597	0.0351	0.0504	
55 Methyl methacrylate	69	11.876	11.866	0.010	93	2166	0.0351	0.0455	
56 1,4-Dioxane	88	11.989	11.951	0.038	67	1530	0.0351	0.0548	
57 Dibromomethane	174	12.015	12.015	0.000	94	3718	0.0351	0.0624	
58 Dichlorobromomethane	83	12.181	12.186	-0.005	95	4005	0.0351	0.0470	
A 59 TVOC as Toluene	1	12.471	(3.119-21.824)		0	6766911	0.0351	0	
60 cis-1,3-Dichloropropene	75	12.821	12.810	0.011	87	3398	0.0351	0.0472	
61 4-Methyl-2-pentanone (MIBK	43	12.992	12.960	0.032	90	4322	0.0351	0.0506	
63 n-Octane	43	13.232	13.232	0.000	87	5285	0.0351	0.0543	
64 Toluene	92	13.243	13.243	0.000	93	6596	0.0351	0.0677	
66 trans-1,3-Dichloropropene	75	13.606	13.605	0.001	91	2950	0.0351	0.0428	
67 1,1,2-Trichloroethane	83		13.872				ND	ND	
68 Tetrachloroethene	166	14.017	14.016	0.001	94	4044	0.0351	0.0470	
69 2-Hexanone	43	14.161	14.134	0.027	97	6222	0.0351	0.0738	
70 Chlorodibromomethane	129	14.433	14.433	0.000	94	3398	0.0351	0.0386	
71 Ethylene Dibromide	107	14.630	14.635	-0.005	98	4141	0.0351	0.0475	
* 72 Chlorobenzene-d5	117	15.196	15.196	0.000	85	1424929	10.0	10.0	
73 Chlorobenzene	112	15.233	15.239	-0.006	83	6493	0.0351	0.0511	
74 Ethylbenzene	91	15.308	15.303	0.005	97	14797	0.0351	0.0732	
75 n-Nonane	57	15.335	15.329	0.006	89	4646	0.0351	0.0478	
76 m-Xylene & p-Xylene	106	15.458	15.452	0.006	0	8296	0.0702	0.1036	
78 o-Xylene	106	15.965	15.964	0.001	98	5265	0.0351	0.0635	
79 Styrene	104	15.986	15.986	0.000	96	5865	0.0351	0.0462	
S 77 Xylenes, Total	106				0		0.1052	0.1671	
80 Bromoform	173	16.274	16.279	-0.005	85	1376	0.0351	0.0170	
81 Isopropylbenzene	105	16.381	16.375	0.006	95	11089	0.0351	0.0509	
83 1,1,2,2-Tetrachloroethane	83	16.781	16.781	0.000	95	6450	0.0351	0.0522	
84 N-Propylbenzene	91	16.850	16.856	-0.006	99	13773	0.0351	0.0515	
85 1,2,3-Trichloropropane	75	16.866	16.866	0.000	94	5500	0.0351	0.0612	
86 n-Decane	57	16.920	16.925	-0.005	91	5707	0.0351	0.0487	
87 4-Ethyltoluene	105	16.979	16.984	-0.005	97	10835	0.0351	0.0496	
88 2-Chlorotoluene	91	17.027	17.021	0.006	95	10652	0.0351	0.0584	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 1,3,5-Trimethylbenzene	105	17.048	17.048	0.000	92	9457	0.0351	0.0523	
90 Alpha Methyl Styrene	118	17.320	17.320	0.000	85	3912	0.0351	0.0414	
91 tert-Butylbenzene	119	17.422	17.421	0.001	94	8224	0.0351	0.0476	
92 1,2,4-Trimethylbenzene	105	17.491	17.496	-0.005	96	8730	0.0351	0.0484	
93 sec-Butylbenzene	105	17.678	17.683	-0.005	98	13338	0.0351	0.0500	
94 4-Isopropyltoluene	119	17.832	17.832	0.000	95	11074	0.0351	0.0500	
95 1,3-Dichlorobenzene	146	17.918	17.912	0.006	97	6824	0.0351	0.0505	
96 1,4-Dichlorobenzene	146	18.025	18.024	0.001	91	6994	0.0351	0.0520	
97 Benzyl chloride	91	18.174	18.169	0.005	98	6938	0.0351	0.0435	
98 Undecane	57	18.302	18.307	-0.005	95	6107	0.0351	0.0505	
99 n-Butylbenzene	91	18.339	18.339	0.000	97	10728	0.0351	0.0503	
100 1,2-Dichlorobenzene	146	18.505	18.505	0.000	89	6201	0.0351	0.0486	
102 Dodecane	57	19.754	19.754	0.000	93	3827	0.0351	0.0339	
103 1,2,4-Trichlorobenzene	180	20.864	20.864	0.000	91	4582	0.0351	0.0427	
104 Hexachlorobutadiene	225	21.035	21.029	0.006	94	4657	0.0351	0.0505	
105 Naphthalene	128	21.349	21.339	0.010	98	8052	0.0351	0.0350	
106 1,2,3-Trichlorobenzene	180	21.808	21.814	-0.006	93	3670	0.0351	0.0376	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

ATTO15CAL1w_00184	Amount Added: 35.00	Units: mL	
ATTO15BISs_00006	Amount Added: 20.00	Units: mL	Run Reagent

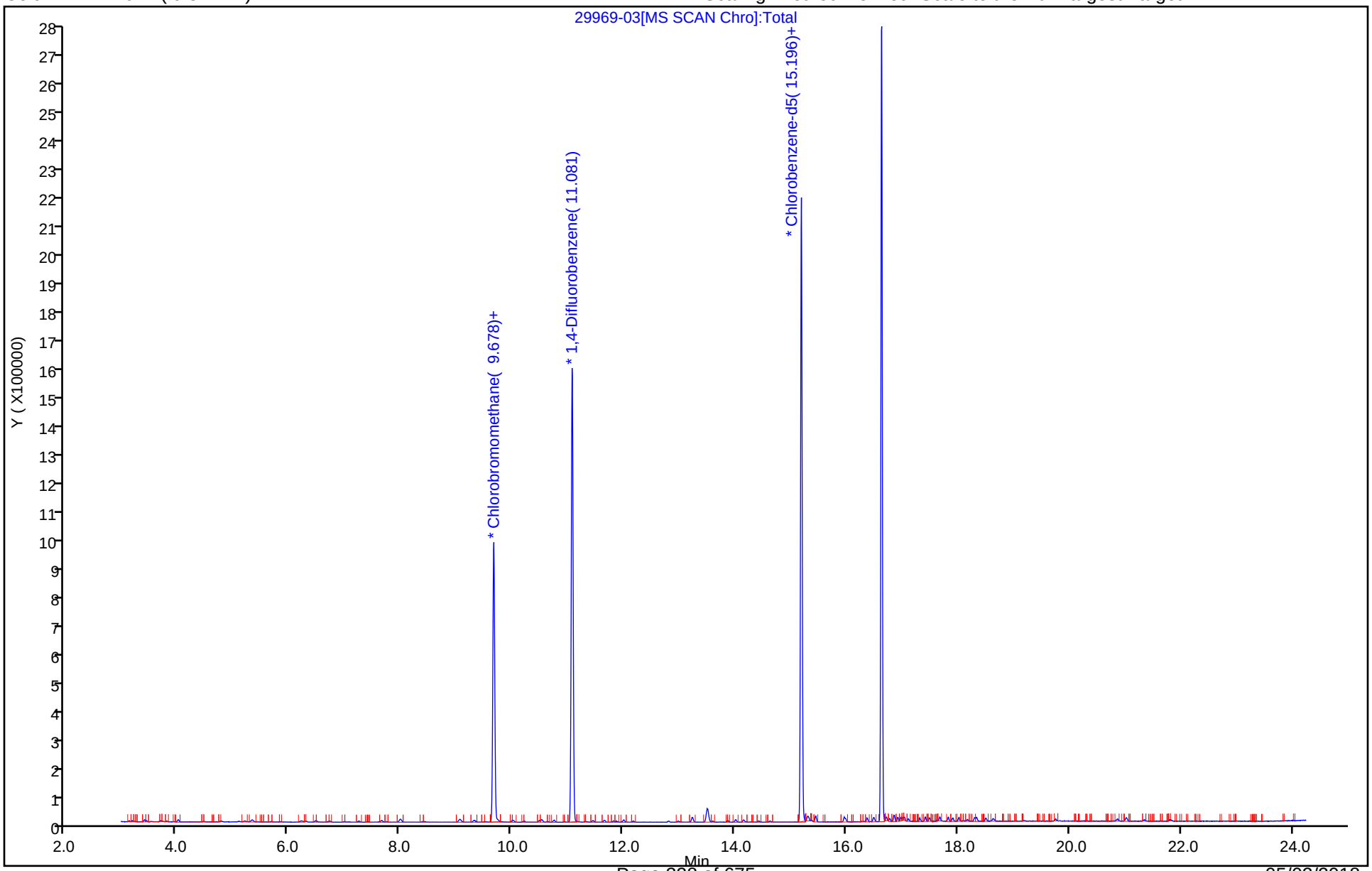
Report Date: 06-Apr-2018 15:39:32 Chrom Revision: 2.2 13-Mar-2018 08:45:20

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180405-29969.b\29969-03.D

Injection Date:	05-Apr-2018 18:04:30	Instrument ID:	CHB.i	Operator ID:	pad
Lims ID:	ic			Worklist Smp#:	3
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

TestAmerica Burlington

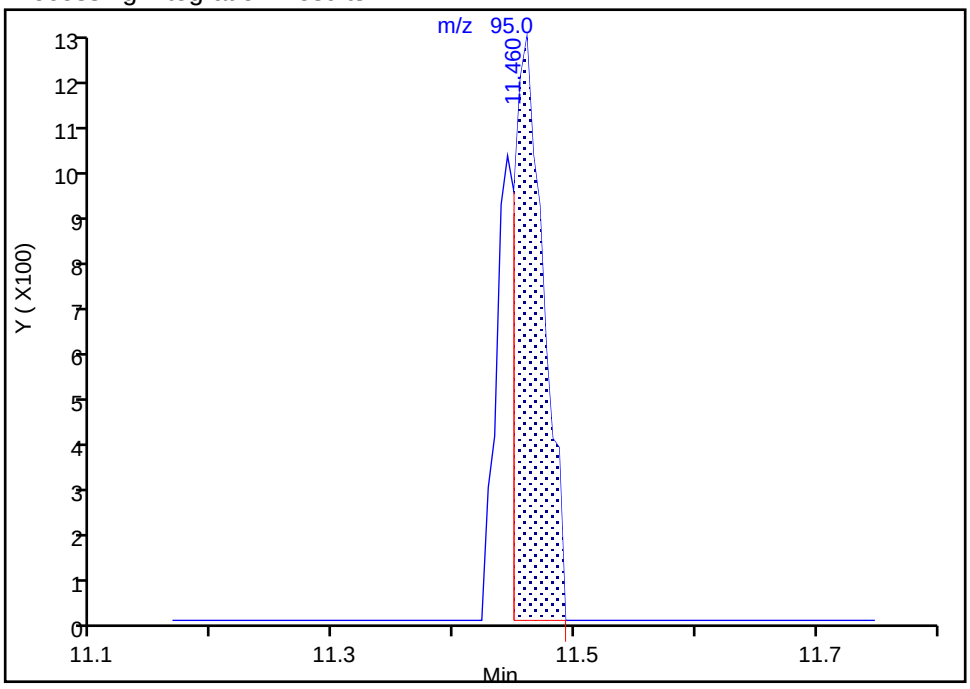
Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180405-29969.b\29969-03.D				
Injection Date:	05-Apr-2018 18:04:30	Instrument ID:	CHB.i		
Lims ID:	ic				
Client ID:					
Operator ID:	pad	ALS Bottle#:	3	Worklist Smp#:	3
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

53 Trichloroethene, CAS: 79-01-6

Signal: 1

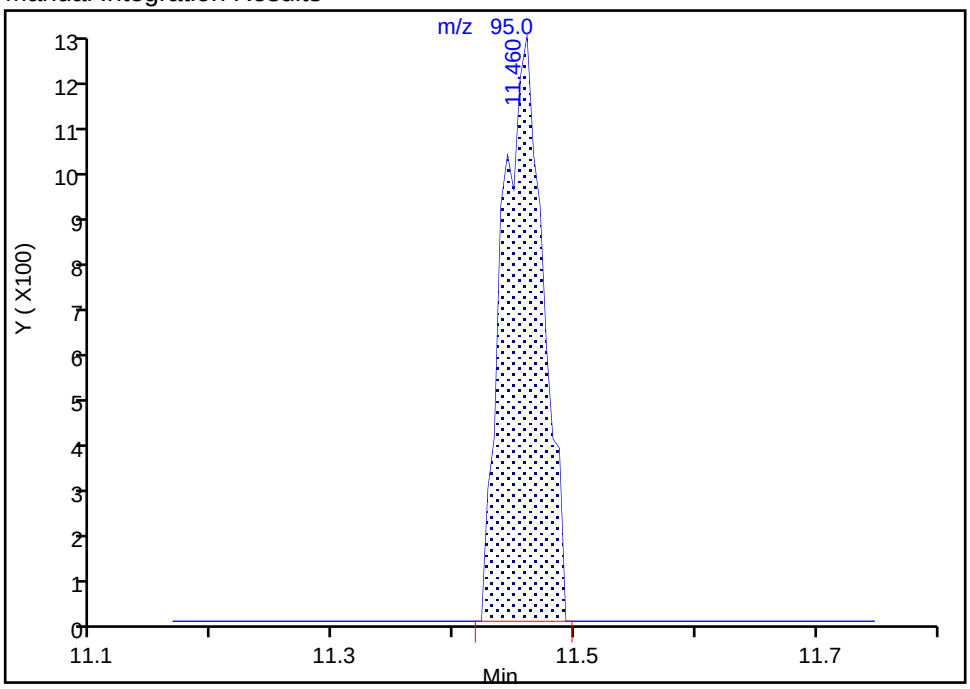
Processing Integration Results

RT: 11.46
Area: 2128
Amount: 0.036256
Amount Units: ppb v/v



Manual Integration Results

RT: 11.46
Area: 2960
Amount: 0.048719
Amount Units: ppb v/v



Reviewer: daiglep, 06-Apr-2018 08:47:30

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Burlington

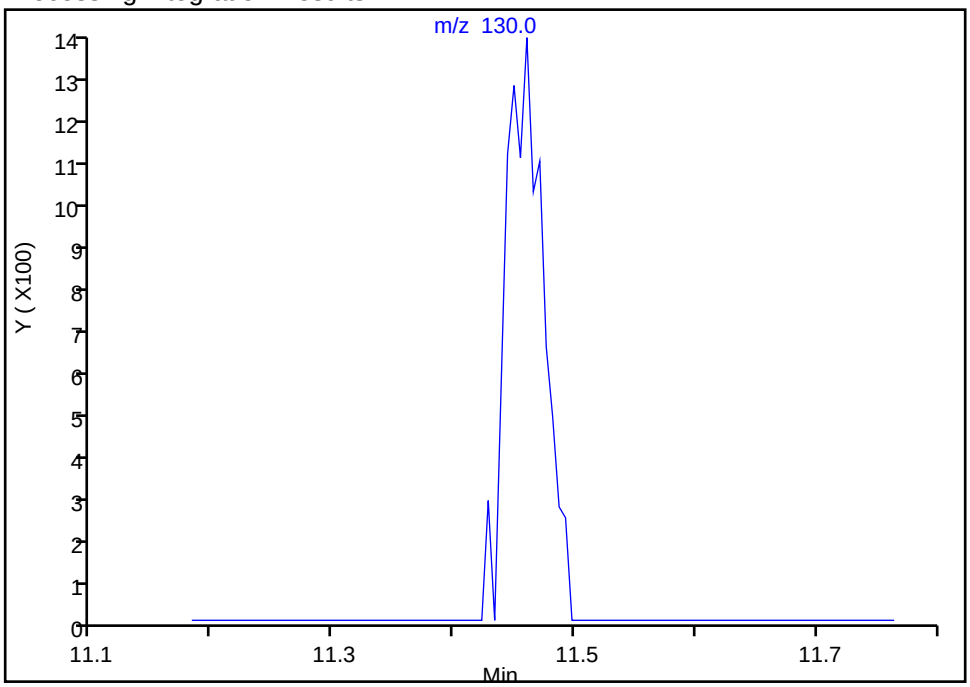
Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180405-29969.b\29969-03.D
Injection Date: 05-Apr-2018 18:04:30 Instrument ID: CHB.i
Lims ID: ic
Client ID:
Operator ID: pad ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3 Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

53 Trichloroethene, CAS: 79-01-6

Signal: 2

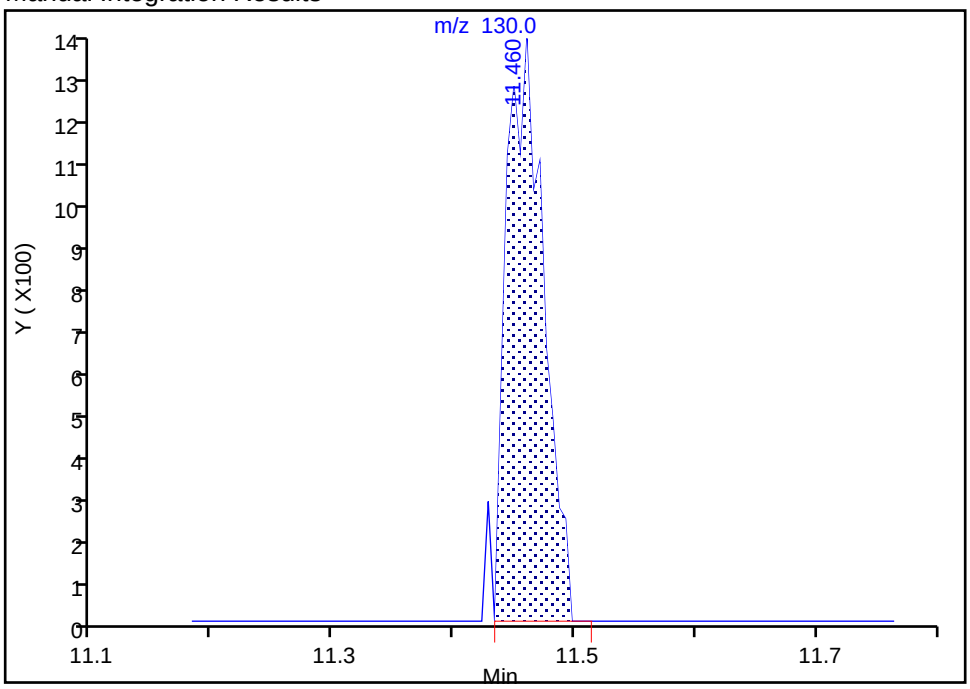
Processing Integration Results

RT: 11.46
Area: 0
Amount: 0.036256
Amount Units: ppb v/v



Manual Integration Results

RT: 11.46
Area: 2942
Amount: 0.048719
Amount Units: ppb v/v



Reviewer: daiglep, 06-Apr-2018 08:47:33
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180405-29969.b\29969-04.D
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 05-Apr-2018 18:58:30 ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0029969-004
Operator ID: pad Instrument ID: CHB.i
Sublist: chrom-TO15_LLNJ_TO3*sub5

Method: \\ChromNA\Burlington\ChromData\CHB.i\20180405-29969.b\TO15_LLNJ_TO3.m
Limit Group: AI_TO15_ICAL
Last Update: 06-Apr-2018 15:39:35 Calib Date: 06-Apr-2018 10:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHB.i\20180405-29969.b\29969-21.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK029

First Level Reviewer: daiglep Date: 06-Apr-2018 08:48:57

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	3.129	3.129	0.000	97	5707	0.2004	0.3613	
2 Dichlorodifluoromethane	85	3.188	3.188	0.000	99	19059	0.2004	0.2767	
3 Chlorodifluoromethane	51	3.225	3.220	0.005	96	10421	0.2004	0.2860	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.407	3.407	0.000	86	20401	0.2004	0.2550	
5 Chloromethane	50	3.529	3.529	0.000	98	7560	0.2004	0.3064	
6 Butane	43	3.706	3.705	0.001	97	12985	0.2004	0.3321	
7 Vinyl chloride	62	3.743	3.738	0.005	97	8732	0.2004	0.2413	
8 Butadiene	54	3.807	3.802	0.005	94	6206	0.2004	0.2353	
10 Bromomethane	94	4.469	4.463	0.006	95	8952	0.2004	0.2342	
9 BFB									
11 Chloroethane	64	4.693	4.693	0.000	97	5323	0.2004	0.2517	
12 2-Methylbutane	43	4.778	4.778	0.000	93	10460	0.2004	0.2620	
13 Vinyl bromide	106	5.104	5.104	0.000	99	9351	0.2004	0.2299	
14 Trichlorofluoromethane	101	5.200	5.205	-0.005	97	20745	0.2004	0.2488	
15 Pentane	43	5.339	5.339	0.000	97	19995	0.2004	0.3453	
16 Ethanol	45	5.664	5.653	0.011	99	12191	0.4009	0.99	
17 Ethyl ether	59	5.840	5.814	0.026	90	5858	0.2004	0.2282	
18 Acrolein	56	6.193	6.176	0.017	90	4473	0.2004	0.4034	
19 1,1,2-Trichloro-1,2,2-trif	101	6.235	6.230	0.005	97	17795	0.2004	0.2409	
20 1,1-Dichloroethene	96	6.294	6.299	-0.005	96	8649	0.2004	0.2156	
21 Acetone	43	6.465	6.443	0.022	95	39314	0.2004	0.9567	
22 Isopropyl alcohol	45	6.684	6.662	0.022	99	15033	0.2004	0.2908	
23 Carbon disulfide	76	6.732	6.732	0.000	98	24391	0.2004	0.2593	
24 3-Chloro-1-propene	41	6.998	6.998	0.000	88	9442	0.2004	0.2420	
26 Acetonitrile	41	7.057	7.052	0.005	99	8278	0.2004	0.3326	
27 Methylene Chloride	49	7.255	7.255	0.000	90	11396	0.2004	0.3032	
28 2-Methyl-2-propanol	59	7.393	7.367	0.026	94	17776	0.2004	0.2597	
29 Methyl tert-butyl ether	73	7.639	7.607	0.032	98	23476	0.2004	0.2373	
30 trans-1,2-Dichloroethene	61	7.666	7.665	0.001	93	11936	0.2004	0.2371	
31 Acrylonitrile	53	7.735	7.735	0.000	93	6456	0.2004	0.2373	
32 Hexane	57	7.996	8.002	-0.006	94	19244	0.2004	0.3077	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
* 39 Chlorobromomethane	128	9.678	8.078	1.600	89	342837	10.0	10.0	
33 1,1-Dichloroethane	63	8.402	8.407	-0.005	98	16316	0.2004	0.2335	
34 Vinyl acetate	43	8.418	8.413	0.005	99	19305	0.2004	0.2614	
36 2-Butanone (MEK)	72	9.309	9.299	0.010	100	6627	0.2004	0.3177	
37 cis-1,2-Dichloroethene	96	9.309	9.315	-0.006	69	10176	0.2004	0.2213	
35 Ethyl acetate	88		9.315				ND	ND	
38 Tetrahydrofuran	42	9.715	9.694	0.021	93	11134	0.2004	0.2902	
40 Chloroform	83	9.752	9.758	-0.006	90	17659	0.2004	0.2420	
S 41 1,2-Dichloroethene, Total	61				0		0.4009	0.4584	
42 1,1,1-Trichloroethane	97	10.009	10.014	-0.006	99	16955	0.2004	0.2339	
43 Cyclohexane	84	10.030	10.030	0.000	93	12896	0.2004	0.2271	
44 Carbon tetrachloride	117	10.217	10.222	-0.005	98	16106	0.2004	0.2139	
45 Isooctane	57	10.500	10.505	-0.005	99	44656	0.2004	0.2356	
46 Benzene	78	10.542	10.547	-0.005	97	33219	0.2004	0.2607	
47 1,2-Dichloroethane	62	10.644	10.643	0.001	94	10330	0.2004	0.2470	
48 n-Heptane	43	10.756	10.761	-0.005	92	17854	0.2004	0.2591	
A 49 GRO	1	10.852	(4.768-16.935)		0	9593824	0.2004	0	
* 50 1,4-Difluorobenzene	114	11.081	11.086	-0.005	94	1555795	10.0	10.0	
51 n-Butanol	56	11.295	11.268	0.027	87	12342	0.2004	0.4753	
53 Trichloroethene	95	11.449	11.460	-0.011	98	12646	0.2004	0.2161	
54 1,2-Dichloropropane	63	11.823	11.823	0.000	91	11682	0.2004	0.2354	
55 Methyl methacrylate	69	11.866	11.866	0.000	96	10082	0.2004	0.2198	
56 1,4-Dioxane	88	11.967	11.951	0.016	93	7576	0.2004	0.2819	
57 Dibromomethane	174	12.010	12.015	-0.005	96	13430	0.2004	0.2339	
58 Dichlorobromomethane	83	12.181	12.186	-0.005	98	18232	0.2004	0.2222	
A 59 TVOC as Toluene	1	12.471	(3.119-21.824)		0	12185638	0.2004	0	
60 cis-1,3-Dichloropropene	75	12.810	12.810	0.000	90	15842	0.2004	0.2284	
61 4-Methyl-2-pentanone (MIBK	43	12.970	12.960	0.010	95	20611	0.2004	0.2502	
63 n-Octane	43	13.232	13.232	0.000	91	24066	0.2004	0.2566	
64 Toluene	92	13.243	13.243	0.000	94	23511	0.2004	0.2488	
66 trans-1,3-Dichloropropene	75	13.600	13.605	-0.005	95	14913	0.2004	0.2245	
67 1,1,2-Trichloroethane	83	13.872	13.872	0.000	94	11224	0.2004	0.2341	
68 Tetrachloroethene	166	14.017	14.016	0.001	98	17492	0.2004	0.2096	
69 2-Hexanone	43	14.150	14.134	0.016	96	27868	0.2004	0.3405	
70 Chlorodibromomethane	129	14.427	14.433	-0.006	97	14508	0.2004	0.1698	
71 Ethylene Dibromide	107	14.630	14.635	-0.005	98	18820	0.2004	0.2225	
* 72 Chlorobenzene-d5	117	15.196	15.196	0.000	85	1382439	10.0	10.0	
73 Chlorobenzene	112	15.233	15.239	-0.006	94	28186	0.2004	0.2287	
74 Ethylbenzene	91	15.303	15.303	0.000	98	48407	0.2004	0.2467	
75 n-Nonane	57	15.329	15.329	0.000	89	22626	0.2004	0.2401	
76 m-Xylene & p-Xylene	106	15.447	15.452	-0.005	0	33730	0.4009	0.4341	
78 o-Xylene	106	15.964	15.964	0.000	98	19101	0.2004	0.2376	
79 Styrene	104	15.991	15.986	0.005	97	26478	0.2004	0.2149	
S 77 Xylenes, Total	106				0		0.6013	0.6717	
80 Bromoform	173	16.274	16.279	-0.005	95	7173	0.2004	0.0911	
81 Isopropylbenzene	105	16.375	16.375	0.000	96	46870	0.2004	0.2218	
83 1,1,2,2-Tetrachloroethane	83	16.781	16.781	0.000	97	27442	0.2004	0.2287	
84 N-Propylbenzene	91	16.856	16.856	0.000	99	60039	0.2004	0.2313	
85 1,2,3-Trichloropropane	75	16.866	16.866	0.000	97	21800	0.2004	0.2500	
86 n-Decane	57	16.925	16.925	0.000	91	27983	0.2004	0.2463	
87 4-Ethyltoluene	105	16.979	16.984	-0.006	98	47678	0.2004	0.2248	
88 2-Chlorotoluene	91	17.021	17.021	0.000	94	40128	0.2004	0.2269	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 1,3,5-Trimethylbenzene	105	17.048	17.048	0.000	92	39620	0.2004	0.2257	
90 Alpha Methyl Styrene	118	17.320	17.320	0.000	90	19012	0.2004	0.2071	
91 tert-Butylbenzene	119	17.421	17.421	0.000	95	37832	0.2004	0.2256	
92 1,2,4-Trimethylbenzene	105	17.491	17.496	-0.005	97	38855	0.2004	0.2221	
93 sec-Butylbenzene	105	17.678	17.683	-0.005	98	59445	0.2004	0.2298	
94 4-Isopropyltoluene	119	17.832	17.832	0.000	97	46996	0.2004	0.2188	
95 1,3-Dichlorobenzene	146	17.907	17.912	-0.005	98	29745	0.2004	0.2267	
96 1,4-Dichlorobenzene	146	18.025	18.024	0.001	93	29224	0.2004	0.2238	
97 Benzyl chloride	91	18.169	18.169	0.000	99	30452	0.2004	0.1968	
98 Undecane	57	18.302	18.307	-0.005	95	28644	0.2004	0.2441	
99 n-Butylbenzene	91	18.339	18.339	0.000	97	46618	0.2004	0.2255	
100 1,2-Dichlorobenzene	146	18.505	18.505	0.000	96	28350	0.2004	0.2288	
102 Dodecane	57	19.754	19.754	0.000	97	16959	0.2004	0.1547	
103 1,2,4-Trichlorobenzene	180	20.858	20.864	-0.006	94	18318	0.2004	0.1758	
104 Hexachlorobutadiene	225	21.029	21.029	0.000	98	18915	0.2004	0.2115	
105 Naphthalene	128	21.339	21.339	0.000	98	32848	0.2004	0.1473	
106 1,2,3-Trichlorobenzene	180	21.808	21.814	-0.006	94	16541	0.2004	0.1747	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Reagents:

ATTO15CAL1w_00184	Amount Added: 200.00	Units: mL	
ATTO15BISs_00006	Amount Added: 20.00	Units: mL	Run Reagent

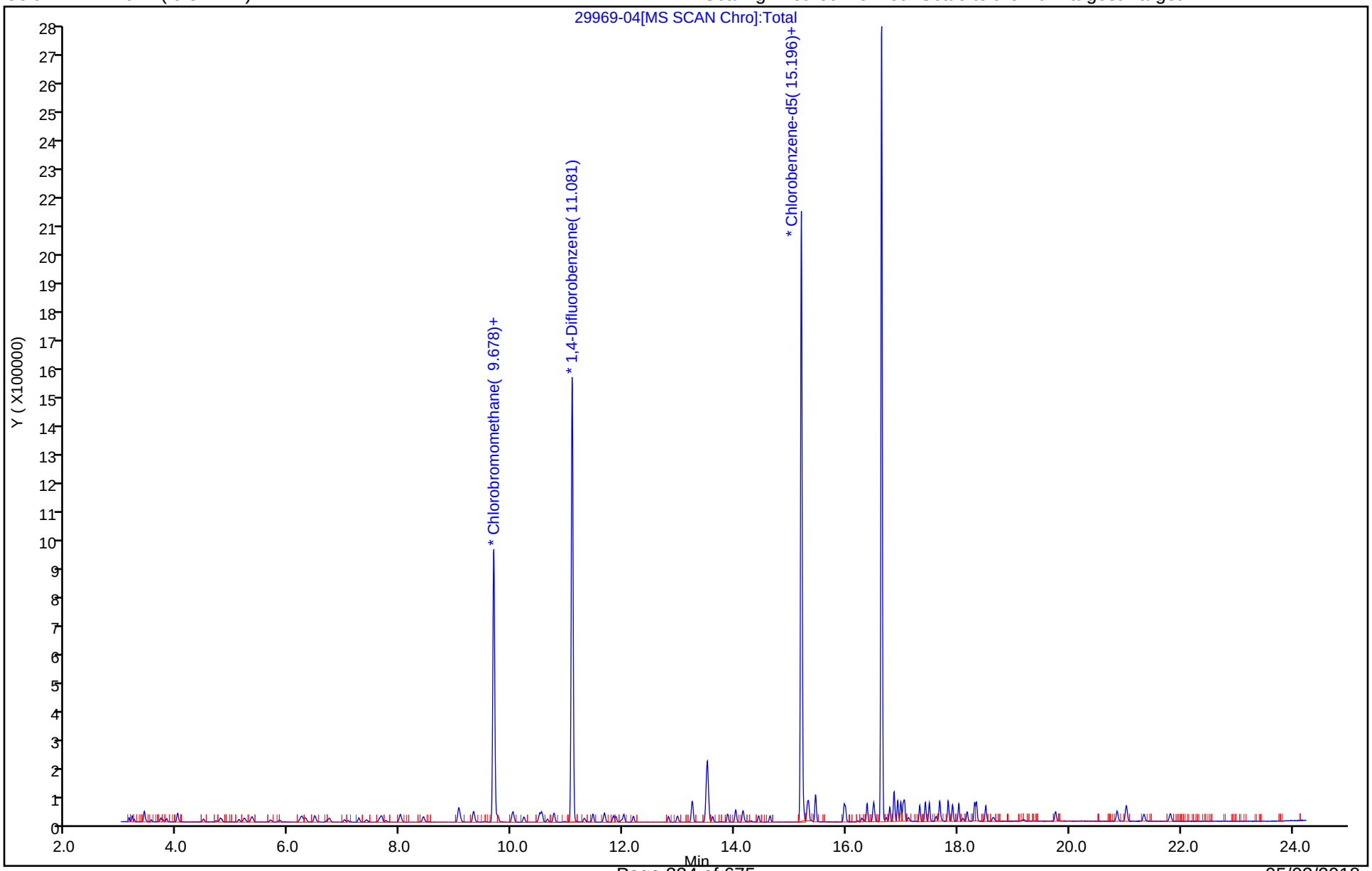
Report Date: 06-Apr-2018 15:39:36 Chrom Revision: 2.2 13-Mar-2018 08:45:20

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180405-29969.b\29969-04.D

Injection Date:	05-Apr-2018 18:58:30	Instrument ID:	CHB.i	Operator ID:	pad
Lims ID:	ic			Worklist Smp#:	4
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180405-29969.b\29969-06.D
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 05-Apr-2018 20:44:30 ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0029969-006
Operator ID: pad Instrument ID: CHB.i
Sublist: chrom-TO15_LLNJ_TO3*sub5

Method: \\ChromNA\Burlington\ChromData\CHB.i\20180405-29969.b\TO15_LLNJ_TO3.m
Limit Group: AI_TO15_ICAL
Last Update: 06-Apr-2018 15:39:45 Calib Date: 06-Apr-2018 10:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHB.i\20180405-29969.b\29969-21.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK029

First Level Reviewer: daiglep Date: 06-Apr-2018 08:49:48

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	3.135	3.129	0.005	97	12907	0.5005	0.8521	
2 Dichlorodifluoromethane	85	3.188	3.188	0.000	98	46713	0.5005	0.7071	
3 Chlorodifluoromethane	51	3.225	3.220	0.005	97	25249	0.5005	0.7226	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.407	3.407	0.000	86	50090	0.5005	0.6529	
5 Chloromethane	50	3.529	3.529	0.000	97	17046	0.5005	0.7205	
6 Butane	43	3.706	3.705	0.001	98	27902	0.5005	0.7440	
7 Vinyl chloride	62	3.743	3.738	0.005	97	21087	0.5005	0.6076	
8 Butadiene	54	3.802	3.802	0.000	95	15589	0.5005	0.6163	
10 Bromomethane	94	4.469	4.463	0.006	99	22660	0.5005	0.6182	
9 BFB									
11 Chloroethane	64	4.693	4.693	0.000	98	13279	0.5005	0.6548	
12 2-Methylbutane	43	4.768	4.778	-0.010	93	26201	0.5005	0.6843	
13 Vinyl bromide	106	5.109	5.104	0.005	99	23544	0.5005	0.6035	
14 Trichlorofluoromethane	101	5.200	5.205	-0.005	98	50178	0.5005	0.6276	
15 Pentane	43	5.339	5.339	0.000	97	41873	0.5005	0.7540	
16 Ethanol	45	5.659	5.653	0.006	100	66459	5.01	5.64	
17 Ethyl ether	59	5.824	5.814	0.010	92	15045	0.5005	0.6111	
18 Acrolein	56	6.193	6.176	0.017	86	8535	0.5005	0.8026	
19 1,1,2-Trichloro-1,2,2-trif	101	6.230	6.230	0.000	97	43009	0.5005	0.6072	
20 1,1-Dichloroethene	96	6.305	6.299	0.006	97	21226	0.5005	0.5517	
21 Acetone	43	6.459	6.443	0.016	95	40574	0.5005	1.03	
22 Isopropyl alcohol	45	6.678	6.662	0.016	99	40431	0.5005	0.8157	
23 Carbon disulfide	76	6.732	6.732	0.000	98	57070	0.5005	0.6326	
24 3-Chloro-1-propene	41	6.998	6.998	0.000	92	24857	0.5005	0.6643	
26 Acetonitrile	41	7.062	7.052	0.010	99	18918	0.5005	0.7925	
27 Methylene Chloride	49	7.255	7.255	0.000	89	25796	0.5005	0.7158	
28 2-Methyl-2-propanol	59	7.383	7.367	0.016	94	44527	0.5005	0.6782	
29 Methyl tert-butyl ether	73	7.628	7.607	0.021	98	57938	0.5005	0.6106	
30 trans-1,2-Dichloroethene	61	7.671	7.665	0.006	96	30486	0.5005	0.6315	
31 Acrylonitrile	53	7.735	7.735	0.000	96	16919	0.5005	0.6485	
32 Hexane	57	7.996	8.002	-0.006	94	38529	0.5005	0.6423	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
* 39 Chlorobromomethane	128	9.678	8.078	1.600	90	328790	10.0	10.0	
33 1,1-Dichloroethane	63	8.407	8.407	0.000	99	39768	0.5005	0.5934	
34 Vinyl acetate	43	8.418	8.413	0.005	99	49855	0.5005	0.7040	
36 2-Butanone (MEK)	72	9.304	9.299	0.005	98	12152	0.5005	0.6075	
35 Ethyl acetate	88		9.315				ND	ND	
37 cis-1,2-Dichloroethene	96	9.309	9.315	-0.006	72	25461	0.5005	0.5773	
38 Tetrahydrofuran	42	9.710	9.694	0.016	94	26565	0.5005	0.7208	
40 Chloroform	83	9.752	9.758	-0.006	96	44015	0.5005	0.6289	
S 41 1,2-Dichloroethene, Total	61				0		1.00	1.21	
42 1,1,1-Trichloroethane	97	10.008	10.014	-0.006	96	42948	0.5005	0.6168	
43 Cyclohexane	84	10.035	10.030	0.005	98	31355	0.5005	0.5748	
44 Carbon tetrachloride	117	10.217	10.222	-0.005	98	40669	0.5005	0.5622	
45 Isooctane	57	10.505	10.505	0.000	98	111426	0.5005	0.6119	
46 Benzene	78	10.542	10.547	-0.005	96	73187	0.5005	0.5980	
47 1,2-Dichloroethane	62	10.644	10.643	0.001	94	25669	0.5005	0.6389	
48 n-Heptane	43	10.756	10.761	-0.005	91	42301	0.5005	0.6391	
A 49 GRO	1	10.852	(4.768-16.935)		0	14555993	0.5005	0	
* 50 1,4-Difluorobenzene	114	11.087	11.086	0.000	95	1494435	10.0	10.0	
51 n-Butanol	56	11.295	11.268	0.027	89	19211	0.5005	0.7702	
53 Trichloroethene	95	11.460	11.460	0.000	97	31810	0.5005	0.5658	
54 1,2-Dichloropropane	63	11.823	11.823	0.000	87	29522	0.5005	0.6194	
55 Methyl methacrylate	69	11.866	11.866	0.000	97	26194	0.5005	0.5944	
56 1,4-Dioxane	88	11.956	11.951	0.005	97	16839	0.5005	0.6523	
57 Dibromomethane	174	12.010	12.015	-0.005	96	31450	0.5005	0.5703	
58 Dichlorobromomethane	83	12.181	12.186	-0.005	99	47733	0.5005	0.6056	
A 59 TVOC as Toluene	1	12.471	(3.119-21.824)		0	21298755	0.5005	0	
60 cis-1,3-Dichloropropene	75	12.810	12.810	0.000	90	39058	0.5005	0.5863	
61 4-Methyl-2-pentanone (MIBK	43	12.965	12.960	0.005	94	51440	0.5005	0.6502	
63 n-Octane	43	13.232	13.232	0.000	90	58278	0.5005	0.6469	
64 Toluene	92	13.248	13.243	0.005	93	53080	0.5005	0.5830	
66 trans-1,3-Dichloropropene	75	13.606	13.605	0.001	96	38246	0.5005	0.5994	
67 1,1,2-Trichloroethane	83	13.872	13.872	0.000	95	27147	0.5005	0.5875	
68 Tetrachloroethene	166	14.022	14.016	0.006	98	43592	0.5005	0.5421	
69 2-Hexanone	43	14.145	14.134	0.011	96	57586	0.5005	0.7303	
70 Chlorodibromomethane	129	14.433	14.433	0.000	98	47236	0.5005	0.5739	
71 Ethylene Dibromide	107	14.636	14.635	0.001	99	46564	0.5005	0.5713	
* 72 Chlorobenzene-d5	117	15.196	15.196	0.000	85	1332042	10.0	10.0	
73 Chlorobenzene	112	15.233	15.239	-0.006	96	68767	0.5005	0.5791	
74 Ethylbenzene	91	15.303	15.303	0.000	98	110560	0.5005	0.5847	
75 n-Nonane	57	15.324	15.329	-0.005	89	55798	0.5005	0.6144	
76 m-Xylene & p-Xylene	106	15.447	15.452	-0.005	0	84025	1.00	1.12	
78 o-Xylene	106	15.964	15.964	0.000	98	43566	0.5005	0.5625	
79 Styrene	104	15.991	15.986	0.005	98	66852	0.5005	0.5632	
S 77 Xylenes, Total	106				0		1.50	1.68	
80 Bromoform	173	16.279	16.279	0.000	96	40887	0.5005	0.5391	
81 Isopropylbenzene	105	16.375	16.375	0.000	96	117761	0.5005	0.5783	
83 1,1,2,2-Tetrachloroethane	83	16.781	16.781	0.000	98	69315	0.5005	0.5996	
84 N-Propylbenzene	91	16.856	16.856	0.000	99	146987	0.5005	0.5876	
85 1,2,3-Trichloropropane	75	16.866	16.866	0.000	97	53010	0.5005	0.6310	
86 n-Decane	57	16.925	16.925	0.000	91	70425	0.5005	0.6433	
87 4-Ethyltoluene	105	16.978	16.984	-0.006	97	119428	0.5005	0.5843	
88 2-Chlorotoluene	91	17.021	17.021	0.000	97	101045	0.5005	0.5930	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 1,3,5-Trimethylbenzene	105	17.048	17.048	0.000	93	97714	0.5005	0.5777	
90 Alpha Methyl Styrene	118	17.320	17.320	0.000	88	50050	0.5005	0.5660	
91 tert-Butylbenzene	119	17.421	17.421	0.000	94	91859	0.5005	0.5685	
92 1,2,4-Trimethylbenzene	105	17.491	17.496	-0.005	97	100322	0.5005	0.5951	
93 sec-Butylbenzene	105	17.678	17.683	-0.005	98	148036	0.5005	0.5939	
94 4-Isopropyltoluene	119	17.832	17.832	0.000	97	121853	0.5005	0.5889	
95 1,3-Dichlorobenzene	146	17.912	17.912	0.000	98	75079	0.5005	0.5939	
96 1,4-Dichlorobenzene	146	18.019	18.024	-0.005	94	75575	0.5005	0.6008	
97 Benzyl chloride	91	18.169	18.169	0.000	99	94976	0.5005	0.6372	
98 Undecane	57	18.302	18.307	-0.005	95	79487	0.5005	0.7030	
99 n-Butylbenzene	91	18.339	18.339	0.000	98	125258	0.5005	0.6288	
100 1,2-Dichlorobenzene	146	18.505	18.505	0.000	95	69945	0.5005	0.5858	
102 Dodecane	57	19.759	19.754	0.005	97	73837	0.5005	0.6991	
103 1,2,4-Trichlorobenzene	180	20.864	20.864	0.000	95	65083	0.5005	0.6482	
104 Hexachlorobutadiene	225	21.024	21.029	-0.005	98	49645	0.5005	0.5762	
105 Naphthalene	128	21.339	21.339	0.000	98	168703	0.5005	0.7854	
106 1,2,3-Trichlorobenzene	180	21.814	21.814	0.000	95	57121	0.5005	0.6261	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Reagents:

ATTO15CAL2w_00255	Amount Added: 200.00	Units: mL	
ATTO15BISs_00006	Amount Added: 20.00	Units: mL	Run Reagent

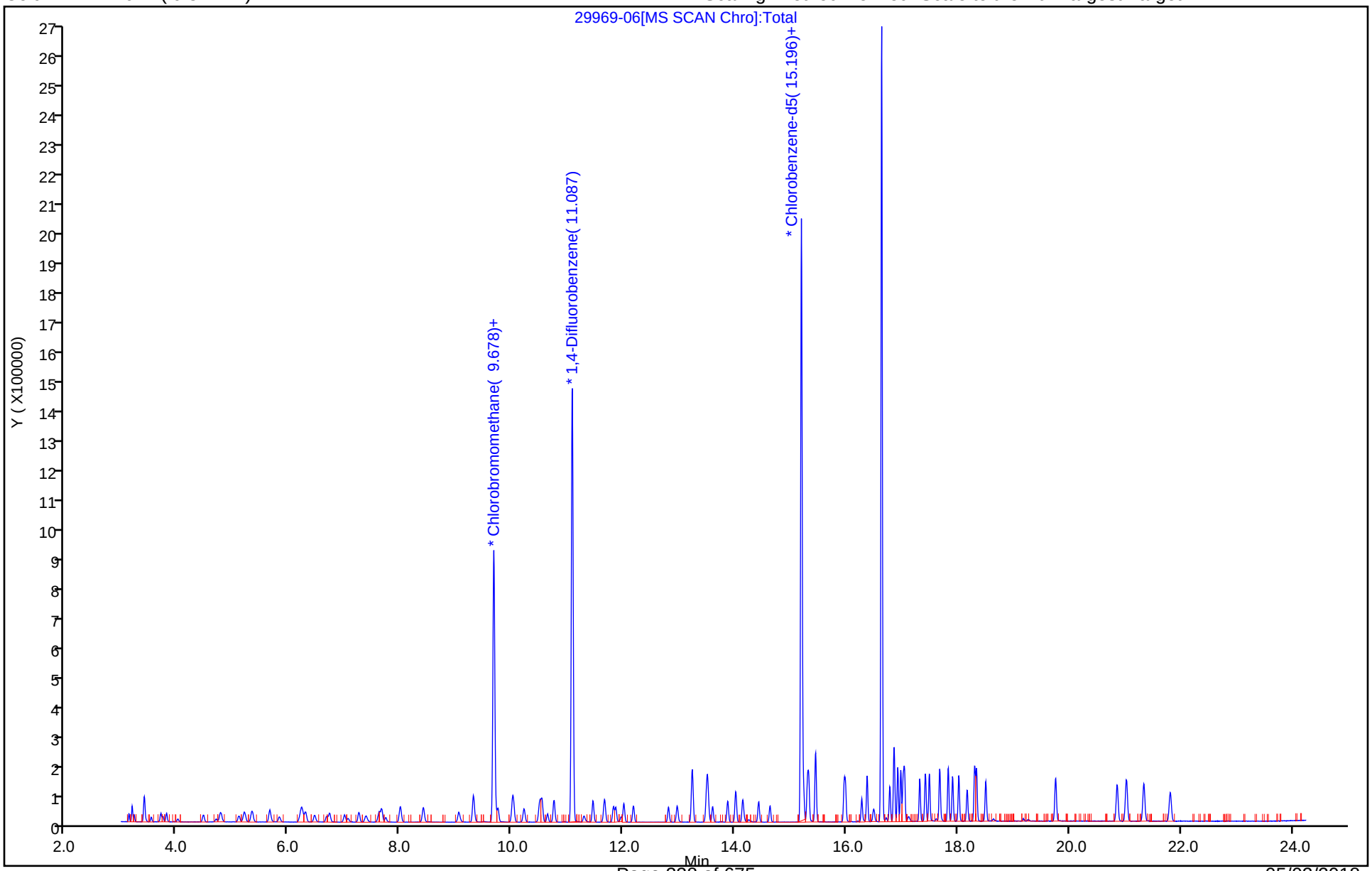
Report Date: 06-Apr-2018 15:39:45 Chrom Revision: 2.2 13-Mar-2018 08:45:20

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180405-29969.b\29969-06.D

Injection Date:	05-Apr-2018 20:44:30	Instrument ID:	CHB.i	Operator ID:	pad
Lims ID:	ic			Worklist Smp#:	6
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180405-29969.b\29969-08.D
Lims ID: icis
Client ID:
Sample Type: ICIS Calib Level: 5
Inject. Date: 05-Apr-2018 22:31:30 ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0029969-008
Operator ID: pad Instrument ID: CHB.i
Sublist: chrom-TO15_LLNJ_TO3*sub5

Method: \\ChromNA\Burlington\ChromData\CHB.i\20180405-29969.b\TO15_LLNJ_TO3.m
Limit Group: AI_TO15_ICAL
Last Update: 06-Apr-2018 15:39:57 Calib Date: 06-Apr-2018 10:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHB.i\20180405-29969.b\29969-21.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK029

First Level Reviewer: daiglep Date: 06-Apr-2018 08:39:30

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	3.129	3.129	0.000	99	190715	10.0	11.1	
2 Dichlorodifluoromethane	85	3.188	3.188	0.000	98	732420	10.0	9.82	
3 Chlorodifluoromethane	51	3.220	3.220	0.000	97	399639	10.0	10.1	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.407	3.407	0.000	96	816934	10.0	9.43	
5 Chloromethane	50	3.529	3.529	0.000	98	268032	10.0	10.0	
6 Butane	43	3.705	3.705	0.000	98	428584	10.0	10.1	
7 Vinyl chloride	62	3.738	3.738	0.000	97	347024	10.0	8.85	
8 Butadiene	54	3.802	3.802	0.000	93	256746	10.0	8.99	
10 Bromomethane	94	4.463	4.463	0.000	99	387178	10.0	9.35	
9 BFB									
11 Chloroethane	64	4.693	4.693	0.000	99	226134	10.0	9.87	
12 2-Methylbutane	43	4.778	4.778	0.000	92	414622	10.0	9.59	
13 Vinyl bromide	106	5.104	5.104	0.000	99	406523	10.0	9.23	
14 Trichlorofluoromethane	101	5.205	5.205	0.000	98	849105	10.0	9.40	
15 Pentane	43	5.339	5.339	0.000	97	622137	10.0	9.92	
16 Ethanol	45	5.653	5.653	0.000	100	198158	15.0	14.9	
17 Ethyl ether	59	5.814	5.814	0.000	93	266701	10.0	9.59	
18 Acrolein	56	6.176	6.176	0.000	95	134643	10.0	11.2	
19 1,1,2-Trichloro-1,2,2-trif	101	6.230	6.230	0.000	98	730860	10.0	9.14	
20 1,1-Dichloroethene	96	6.299	6.299	0.000	96	373041	10.0	8.59	
21 Acetone	43	6.443	6.443	0.000	95	493541	10.0	11.1	
22 Isopropyl alcohol	45	6.662	6.662	0.000	100	642798	10.0	11.5	
23 Carbon disulfide	76	6.732	6.732	0.000	98	978195	10.0	9.60	
24 3-Chloro-1-propene	41	6.998	6.998	0.000	92	453633	10.0	10.7	
26 Acetonitrile	41	7.052	7.052	0.000	99	289133	10.0	10.7	
27 Methylene Chloride	49	7.255	7.255	0.000	90	401780	10.0	9.87	
28 2-Methyl-2-propanol	59	7.367	7.367	0.000	93	807196	10.0	10.9	
29 Methyl tert-butyl ether	73	7.607	7.607	0.000	98	1011856	10.0	9.44	
30 trans-1,2-Dichloroethene	61	7.665	7.665	0.000	96	517622	10.0	9.49	
31 Acrylonitrile	53	7.735	7.735	0.000	95	292706	10.0	9.94	
32 Hexane	57	8.002	8.002	0.000	91	591399	10.0	8.73	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
* 39 Chlorobromomethane	128	9.683	9.683	0.000	90	371294	10.0	10.0	
33 1,1-Dichloroethane	63	8.407	8.407	0.000	99	676976	10.0	8.95	
34 Vinyl acetate	43	8.413	8.413	0.000	99	879804	10.0	11.0	
36 2-Butanone (MEK)	72	9.299	9.299	0.000	99	217268	10.0	9.62	
37 cis-1,2-Dichloroethene	96	9.315	9.315	0.000	94	428287	10.0	8.60	
35 Ethyl acetate	88	9.315	9.315	0.000	94	39644	10.0	9.83	
38 Tetrahydrofuran	42	9.694	9.694	0.000	91	442129	10.0	10.9	
40 Chloroform	83	9.758	9.758	0.000	96	736497	10.0	9.32	
S 41 1,2-Dichloroethene, Total	61				0		20.0	18.1	
42 1,1,1-Trichloroethane	97	10.014	10.014	0.000	96	716026	10.0	9.32	
43 Cyclohexane	84	10.030	10.030	0.000	97	555496	10.0	9.23	
44 Carbon tetrachloride	117	10.222	10.222	0.000	98	736217	10.0	9.23	
45 Isooctane	57	10.505	10.505	0.000	99	1901044	10.0	9.47	
46 Benzene	78	10.547	10.547	0.000	96	1205822	10.0	8.93	
47 1,2-Dichloroethane	62	10.643	10.643	0.000	94	418402	10.0	9.44	
48 n-Heptane	43	10.761	10.761	0.000	89	691872	10.0	9.48	
A 49 GRO	1	10.852	(4.768-16.935)		0	162617673	10.0	0	
* 50 1,4-Difluorobenzene	114	11.086	11.086	0.000	94	1648034	10.0	10.0	
51 n-Butanol	56	11.268	11.268	0.000	86	293565	10.0	10.7	
53 Trichloroethene	95	11.460	11.460	0.000	97	537352	10.0	8.67	
54 1,2-Dichloropropane	63	11.823	11.823	0.000	93	490585	10.0	9.33	
55 Methyl methacrylate	69	11.866	11.866	0.000	98	468415	10.0	9.64	
56 1,4-Dioxane	88	11.951	11.951	0.000	94	296368	10.0	10.4	
57 Dibromomethane	174	12.015	12.015	0.000	95	533037	10.0	8.76	
58 Dichlorobromomethane	83	12.186	12.186	0.000	99	829417	10.0	9.54	
A 59 TVOC as Toluene	1	12.471	(3.119-21.824)		0	272673895	10.0	0	
60 cis-1,3-Dichloropropene	75	12.810	12.810	0.000	89	688494	10.0	9.37	
61 4-Methyl-2-pentanone (MIBK	43	12.960	12.960	0.000	93	883489	10.0	10.1	
63 n-Octane	43	13.232	13.232	0.000	89	968434	10.0	9.75	
64 Toluene	92	13.243	13.243	0.000	94	903907	10.0	8.85	
66 trans-1,3-Dichloropropene	75	13.605	13.605	0.000	95	665616	10.0	9.46	
67 1,1,2-Trichloroethane	83	13.872	13.872	0.000	95	473608	10.0	9.14	
68 Tetrachloroethene	166	14.016	14.016	0.000	99	766600	10.0	8.50	
69 2-Hexanone	43	14.134	14.134	0.000	97	845889	10.0	9.56	
70 Chlorodibromomethane	129	14.433	14.433	0.000	97	913449	10.0	9.89	
71 Ethylene Dibromide	107	14.635	14.635	0.000	99	837312	10.0	9.16	
* 72 Chlorobenzene-d5	117	15.196	15.196	0.000	85	1494132	10.0	10.0	
73 Chlorobenzene	112	15.239	15.239	0.000	96	1195625	10.0	8.98	
74 Ethylbenzene	91	15.303	15.303	0.000	98	1901616	10.0	8.97	
75 n-Nonane	57	15.329	15.329	0.000	89	956916	10.0	9.39	
76 m-Xylene & p-Xylene	106	15.452	15.452	0.000	0	1536888	20.0	18.3	
78 o-Xylene	106	15.964	15.964	0.000	98	785024	10.0	9.04	
79 Styrene	104	15.986	15.986	0.000	98	1206378	10.0	9.06	
S 77 Xylenes, Total	106				0		30.0	27.3	
80 Bromoform	173	16.279	16.279	0.000	98	964872	10.0	11.3	
81 Isopropylbenzene	105	16.375	16.375	0.000	96	2122837	10.0	9.29	
83 1,1,2,2-Tetrachloroethane	83	16.781	16.781	0.000	98	1215130	10.0	9.37	
84 N-Propylbenzene	91	16.856	16.856	0.000	99	2618555	10.0	9.33	
85 1,2,3-Trichloropropane	75	16.866	16.866	0.000	97	907459	10.0	9.63	
86 n-Decane	57	16.925	16.925	0.000	91	1216545	10.0	9.91	
87 4-Ethyltoluene	105	16.984	16.984	0.000	98	2133350	10.0	9.31	
88 2-Chlorotoluene	91	17.021	17.021	0.000	95	1766387	10.0	9.24	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 1,3,5-Trimethylbenzene	105	17.048	17.048	0.000	93	1769252	10.0	9.33	
90 Alpha Methyl Styrene	118	17.320	17.320	0.000	88	922989	10.0	9.30	
91 tert-Butylbenzene	119	17.421	17.421	0.000	95	1698049	10.0	9.37	
92 1,2,4-Trimethylbenzene	105	17.496	17.496	0.000	97	1783845	10.0	9.43	
93 sec-Butylbenzene	105	17.683	17.683	0.000	98	2632418	10.0	9.42	
94 4-Isopropyltoluene	119	17.832	17.832	0.000	98	2154206	10.0	9.28	
95 1,3-Dichlorobenzene	146	17.912	17.912	0.000	97	1285275	10.0	9.06	
96 1,4-Dichlorobenzene	146	18.024	18.024	0.000	95	1261699	10.0	8.94	
97 Benzyl chloride	91	18.169	18.169	0.000	99	1648807	10.0	9.86	
98 Undecane	57	18.307	18.307	0.000	94	1339191	10.0	10.6	
99 n-Butylbenzene	91	18.339	18.339	0.000	98	2034845	10.0	9.11	
100 1,2-Dichlorobenzene	146	18.505	18.505	0.000	96	1235613	10.0	9.23	
102 Dodecane	57	19.754	19.754	0.000	97	1233097	10.0	10.4	
103 1,2,4-Trichlorobenzene	180	20.864	20.864	0.000	94	1034345	10.0	9.18	
104 Hexachlorobutadiene	225	21.029	21.029	0.000	99	906332	10.0	9.38	
105 Naphthalene	128	21.339	21.339	0.000	99	2152687	10.0	8.93	
106 1,2,3-Trichlorobenzene	180	21.814	21.814	0.000	95	999093	10.0	9.76	

Reagents:

ATTO15CAL4w_00673	Amount Added: 200.00	Units: mL	
ATTO15BISs_00006	Amount Added: 20.00	Units: mL	Run Reagent

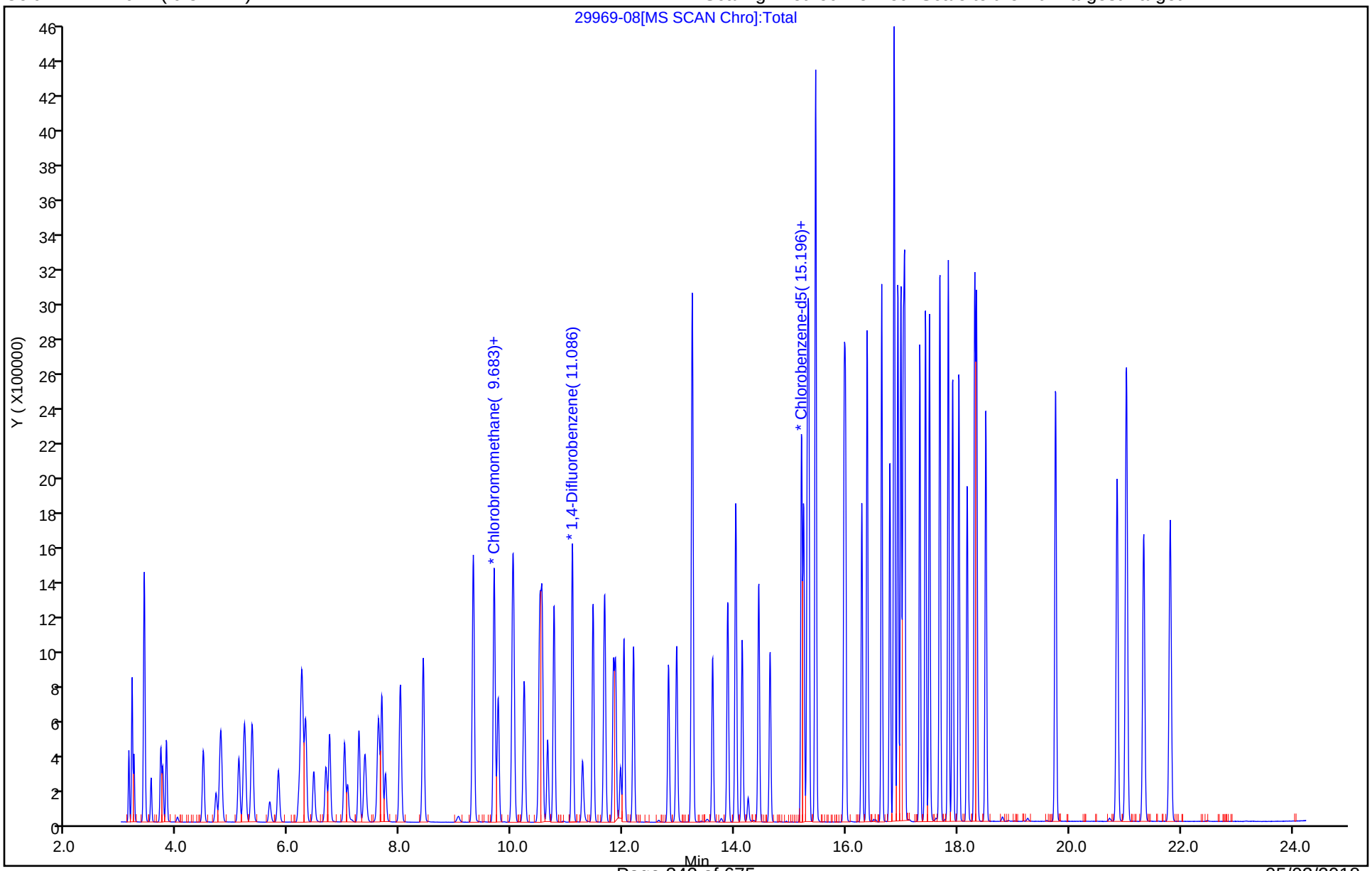
Report Date: 06-Apr-2018 15:39:58 Chrom Revision: 2.2 13-Mar-2018 08:45:20

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180405-29969.b\29969-08.D

Injection Date:	05-Apr-2018 22:31:30	Instrument ID:	CHB.i	Operator ID:	pad
Lims ID:	icis			Worklist Smp#:	8
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180405-29969.b\29969-11.D
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 06-Apr-2018 01:12:30 ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0029969-011
Operator ID: pad Instrument ID: CHB.i
Sublist: chrom-TO15_LLNJ_TO3*sub5

Method: \\ChromNA\Burlington\ChromData\CHB.i\20180405-29969.b\TO15_LLNJ_TO3.m
Limit Group: AI_TO15_ICAL
Last Update: 06-Apr-2018 15:40:12 Calib Date: 06-Apr-2018 10:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHB.i\20180405-29969.b\29969-21.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK029

First Level Reviewer: daiglep Date: 06-Apr-2018 08:52:02

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	3.129	3.129	0.000	99	407049	20.0	20.6	
2 Dichlorodifluoromethane	85	3.188	3.188	0.000	98	1633438	20.0	19.0	
3 Chlorodifluoromethane	51	3.220	3.220	0.000	97	854746	20.0	18.8	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.407	3.407	0.000	98	1812021	20.0	18.1	
5 Chloromethane	50	3.530	3.529	0.001	98	580938	20.0	18.8	
6 Butane	43	3.706	3.705	0.001	98	906950	20.0	18.6	
7 Vinyl chloride	62	3.738	3.738	0.000	97	768016	20.0	17.0	
8 Butadiene	54	3.807	3.802	0.005	92	566296	20.0	17.2	
10 Bromomethane	94	4.469	4.463	0.006	100	888429	20.0	18.6	
9 BFB									
11 Chloroethane	64	4.698	4.693	0.005	99	505532	20.0	19.1	
12 2-Methylbutane	43	4.778	4.778	0.000	92	892586	20.0	17.9	
13 Vinyl bromide	106	5.104	5.104	0.000	100	951904	20.0	18.7	
14 Trichlorofluoromethane	101	5.205	5.205	0.000	98	1918722	20.0	18.4	
15 Pentane	43	5.344	5.339	0.005	97	1345082	20.0	18.6	
16 Ethanol	45	5.664	5.653	0.011	99	616046	40.0	40.1	
17 Ethyl ether	59	5.814	5.814	0.000	94	606366	20.0	18.9	
18 Acrolein	56	6.177	6.176	0.001	95	277936	20.0	20.1	
19 1,1,2-Trichloro-1,2,2-trif	101	6.235	6.230	0.005	99	1703657	20.0	18.5	
20 1,1-Dichloroethene	96	6.305	6.299	0.006	94	870030	20.0	17.4	
21 Acetone	43	6.449	6.443	0.006	95	1046772	20.0	20.4	
22 Isopropyl alcohol	45	6.678	6.662	0.016	100	1306198	20.0	20.2	
23 Carbon disulfide	76	6.732	6.732	0.000	98	2245863	20.0	19.1	
24 3-Chloro-1-propene	41	7.004	6.998	0.006	91	891790	20.0	18.3	
26 Acetonitrile	41	7.057	7.052	0.005	98	630001	20.0	20.2	
27 Methylene Chloride	49	7.260	7.255	0.005	88	880142	20.0	18.7	
28 2-Methyl-2-propanol	59	7.377	7.367	0.010	93	1724320	20.0	20.2	
29 Methyl tert-butyl ether	73	7.607	7.607	0.000	98	2308026	20.0	18.7	
30 trans-1,2-Dichloroethene	61	7.671	7.665	0.006	95	1162897	20.0	18.5	
31 Acrylonitrile	53	7.735	7.735	0.000	95	652903	20.0	19.2	
32 Hexane	57	8.002	8.002	0.000	90	1331267	20.0	17.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
* 39 Chlorobromomethane	128	9.683	9.683	0.000	88	428503	10.0	10.0	
33 1,1-Dichloroethane	63	8.413	8.407	0.006	99	1529432	20.0	17.5	
34 Vinyl acetate	43	8.418	8.413	0.005	99	1911496	20.0	20.7	
36 2-Butanone (MEK)	72	9.299	9.299	0.000	99	509370	20.0	19.5	
35 Ethyl acetate	88	9.320	9.315	0.005	95	92677	20.0	19.9	
37 cis-1,2-Dichloroethene	96	9.315	9.315	0.000	93	1008407	20.0	17.5	
38 Tetrahydrofuran	42	9.694	9.694	0.000	91	954845	20.0	20.8	
40 Chloroform	83	9.758	9.758	0.000	96	1678785	20.0	18.4	
S 41 1,2-Dichloroethene, Total	61				0		40.0	36.0	
42 1,1,1-Trichloroethane	97	10.019	10.014	0.005	96	1637873	20.0	18.9	
43 Cyclohexane	84	10.030	10.030	0.000	96	1306247	20.0	19.2	
44 Carbon tetrachloride	117	10.222	10.222	0.000	98	1670905	20.0	18.6	
45 Isooctane	57	10.505	10.505	0.000	99	4296309	20.0	19.0	
46 Benzene	78	10.548	10.547	0.001	96	2785873	20.0	18.3	
47 1,2-Dichloroethane	62	10.644	10.643	0.001	94	930447	20.0	18.6	
48 n-Heptane	43	10.761	10.761	0.000	88	1525733	20.0	18.5	
A 49 GRO	1	10.852	(4.768-16.935)		0	365594197	20.0	0	
* 50 1,4-Difluorobenzene	114	11.092	11.086	0.006	94	1859353	10.0	10.0	
51 n-Butanol	56	11.273	11.268	0.005	85	632106	20.0	20.4	
53 Trichloroethene	95	11.460	11.460	0.000	98	1249243	20.0	17.9	
54 1,2-Dichloropropane	63	11.828	11.823	0.005	94	1118957	20.0	18.9	
55 Methyl methacrylate	69	11.866	11.866	0.000	96	1087435	20.0	19.8	
56 1,4-Dioxane	88	11.957	11.951	0.006	93	629757	20.0	19.6	
57 Dibromomethane	174	12.015	12.015	0.000	94	1305879	20.0	19.0	
58 Dichlorobromomethane	83	12.186	12.186	0.000	98	1888446	20.0	19.3	
A 59 TVOC as Toluene	1	12.471	(3.119-21.824)		0	613880350	20.0	0	
60 cis-1,3-Dichloropropene	75	12.816	12.810	0.006	88	1597410	20.0	19.3	
61 4-Methyl-2-pentanone (MIBK	43	12.960	12.960	0.000	93	1945542	20.0	19.8	
63 n-Octane	43	13.232	13.232	0.000	87	2078043	20.0	18.5	
64 Toluene	92	13.248	13.243	0.005	94	2132870	20.0	18.7	
66 trans-1,3-Dichloropropene	75	13.606	13.605	0.001	94	1535159	20.0	19.3	
67 1,1,2-Trichloroethane	83	13.878	13.872	0.006	94	1092398	20.0	18.8	
68 Tetrachloroethene	166	14.022	14.016	0.006	98	1840877	20.0	18.2	
69 2-Hexanone	43	14.134	14.134	0.000	98	1887874	20.0	19.1	
70 Chlorodibromomethane	129	14.433	14.433	0.000	97	2091890	20.0	20.3	
71 Ethylene Dibromide	107	14.636	14.635	0.001	98	1971395	20.0	19.3	
* 72 Chlorobenzene-d5	117	15.201	15.196	0.005	83	1671594	10.0	10.0	
73 Chlorobenzene	112	15.239	15.239	0.000	96	2833802	20.0	19.0	
74 Ethylbenzene	91	15.308	15.303	0.005	97	4460225	20.0	18.8	
75 n-Nonane	57	15.329	15.329	0.000	85	2154348	20.0	18.9	
76 m-Xylene & p-Xylene	106	15.452	15.452	0.000	0	3696641	40.0	39.3	
78 o-Xylene	106	15.970	15.964	0.006	98	1865926	20.0	19.2	
79 Styrene	104	15.991	15.986	0.005	97	2958603	20.0	19.9	
S 77 Xylenes, Total	106				0		60.0	58.5	
80 Bromoform	173	16.285	16.279	0.006	98	2104912	20.0	22.1	
81 Isopropylbenzene	105	16.381	16.375	0.006	95	4964549	20.0	19.4	
83 1,1,2,2-Tetrachloroethane	83	16.786	16.781	0.005	97	2773394	20.0	19.1	
84 N-Propylbenzene	91	16.861	16.856	0.005	99	6105647	20.0	19.5	
85 1,2,3-Trichloropropane	75	16.866	16.866	0.000	96	2084425	20.0	19.8	
86 n-Decane	57	16.931	16.925	0.006	91	2630713	20.0	19.1	
87 4-Ethyltoluene	105	16.984	16.984	0.000	97	4889906	20.0	19.1	
88 2-Chlorotoluene	91	17.027	17.021	0.006	97	4143018	20.0	19.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 1,3,5-Trimethylbenzene	105	17.053	17.048	0.005	94	3964117	20.0	18.7	
90 Alpha Methyl Styrene	118	17.325	17.320	0.005	89	2166139	20.0	19.5	
91 tert-Butylbenzene	119	17.427	17.421	0.006	95	3838099	20.0	18.9	
92 1,2,4-Trimethylbenzene	105	17.496	17.496	0.000	96	3994892	20.0	18.9	
93 sec-Butylbenzene	105	17.683	17.683	0.000	98	5867404	20.0	18.8	
94 4-Isopropyltoluene	119	17.838	17.832	0.006	97	5002826	20.0	19.3	
95 1,3-Dichlorobenzene	146	17.913	17.912	0.001	96	2989422	20.0	18.8	
96 1,4-Dichlorobenzene	146	18.025	18.024	0.001	95	2978197	20.0	18.9	
97 Benzyl chloride	91	18.174	18.169	0.005	100	3683721	20.0	19.7	
98 Undecane	57	18.307	18.307	0.000	92	2996960	20.0	21.1	
99 n-Butylbenzene	91	18.339	18.339	0.000	98	4810371	20.0	19.2	
100 1,2-Dichlorobenzene	146	18.505	18.505	0.000	97	2820821	20.0	18.8	
102 Dodecane	57	19.759	19.754	0.005	96	2605426	20.0	19.7	
103 1,2,4-Trichlorobenzene	180	20.864	20.864	0.000	94	2549866	20.0	20.2	
104 Hexachlorobutadiene	225	21.029	21.029	0.000	98	2117522	20.0	19.6	
105 Naphthalene	128	21.339	21.339	0.000	99	5222616	20.0	19.4	
106 1,2,3-Trichlorobenzene	180	21.814	21.814	0.000	96	2292737	20.0	20.0	

Reagents:

ATTO15CAL6w_00149	Amount Added: 200.00	Units: mL	
ATTO15BISs_00006	Amount Added: 20.00	Units: mL	Run Reagent

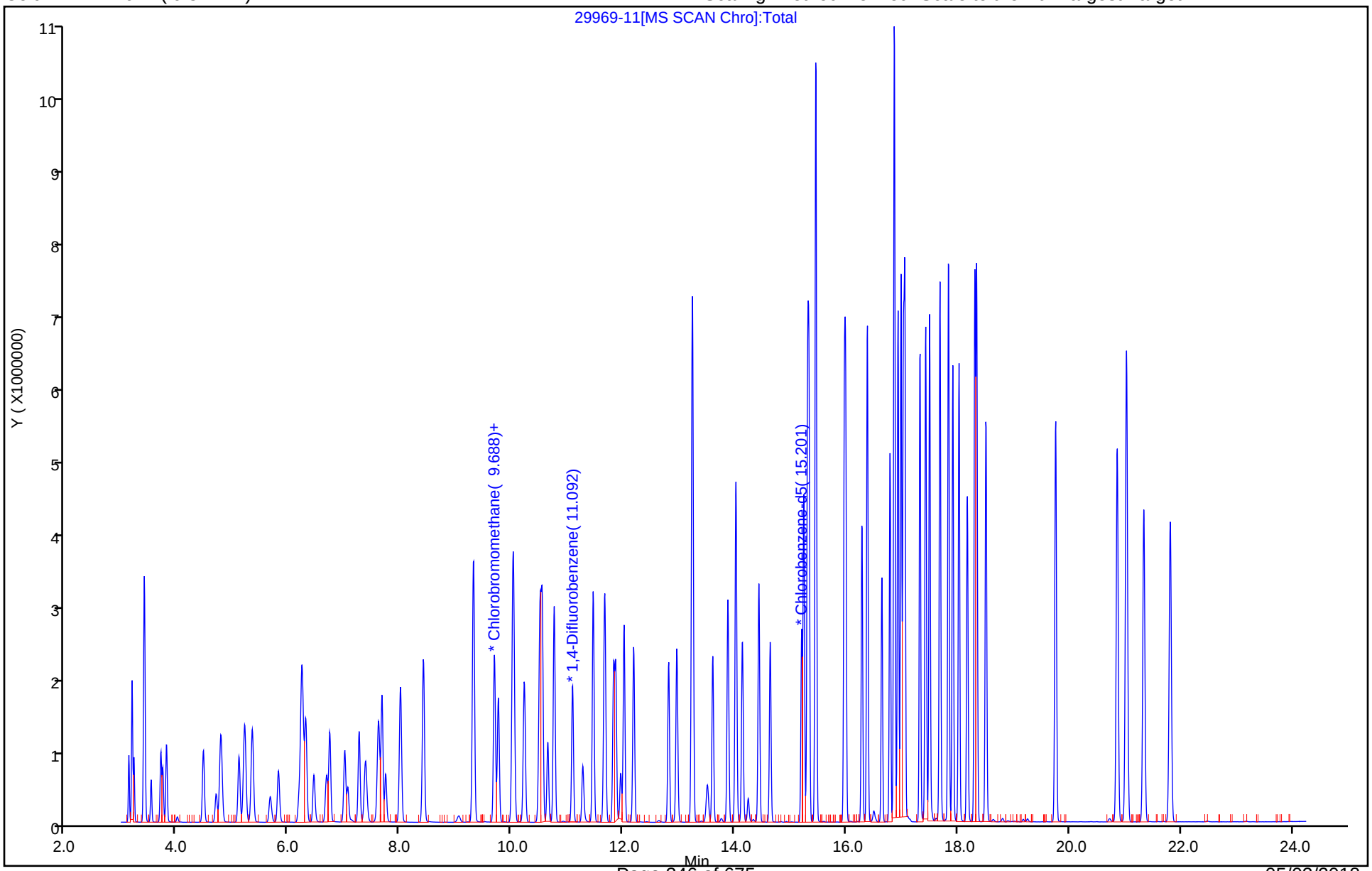
Report Date: 06-Apr-2018 15:40:13 Chrom Revision: 2.2 13-Mar-2018 08:45:20

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180405-29969.b\29969-11.D

Injection Date:	06-Apr-2018 01:12:30	Instrument ID:	CHB.i	Operator ID:	pad
Lims ID:	ic			Worklist Smp#:	11
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180405-29969.b\29969-12.D
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 06-Apr-2018 02:05:30 ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0029969-012
Operator ID: pad Instrument ID: CHB.i
Sublist: chrom-TO15_LLNJ_TO3*sub5

Method: \\ChromNA\Burlington\ChromData\CHB.i\20180405-29969.b\TO15_LLNJ_TO3.m
Limit Group: AI_TO15_ICAL
Last Update: 06-Apr-2018 15:40:16 Calib Date: 06-Apr-2018 10:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHB.i\20180405-29969.b\29969-21.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK029

First Level Reviewer: daiglep Date: 06-Apr-2018 08:52:40

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	3.129	3.129	0.000	99	769940	40.0	35.5	
2 Dichlorodifluoromethane	85	3.188	3.188	0.000	98	3123761	40.0	33.0	
3 Chlorodifluoromethane	51	3.220	3.220	0.000	97	1628277	40.0	32.5	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.407	3.407	0.000	84	3498260	40.0	31.8	
5 Chloromethane	50	3.530	3.529	0.001	98	1119748	40.0	33.0	
6 Butane	43	3.706	3.705	0.001	97	1730172	40.0	32.2	
7 Vinyl chloride	62	3.743	3.738	0.005	97	1495857	40.0	30.1	
8 Butadiene	54	3.807	3.802	0.005	92	1091478	40.0	30.1	
10 Bromomethane	94	4.469	4.463	0.006	100	1775353	40.0	33.8	
9 BFB									
11 Chloroethane	64	4.698	4.693	0.005	99	996390	40.0	34.3	
12 2-Methylbutane	43	4.784	4.778	0.006	92	1712023	40.0	31.2	
13 Vinyl bromide	106	5.109	5.104	0.005	100	1921215	40.0	34.4	
14 Trichlorofluoromethane	101	5.211	5.205	0.006	98	3792743	40.0	33.1	
15 Pentane	43	5.349	5.339	0.010	97	2585232	40.0	32.5	
16 Ethanol	45	5.680	5.653	0.027	99	1439343	100.0	85.3	
17 Ethyl ether	59	5.819	5.814	0.005	94	1206222	40.0	34.2	
18 Acrolein	56	6.182	6.176	0.006	95	487433	40.0	32.0	
19 1,1,2-Trichloro-1,2,2-trif	101	6.241	6.230	0.011	98	3486027	40.0	34.3	
20 1,1-Dichloroethene	96	6.310	6.299	0.011	94	1776573	40.0	32.2	
21 Acetone	43	6.454	6.443	0.011	94	2003787	40.0	35.5	
22 Isopropyl alcohol	45	6.694	6.662	0.032	99	2490683	40.0	35.1	
23 Carbon disulfide	76	6.737	6.732	0.005	98	4524091	40.0	35.0	
24 3-Chloro-1-propene	41	7.009	6.998	0.011	90	1739438	40.0	32.4	
26 Acetonitrile	41	7.063	7.052	0.011	99	1221919	40.0	35.7	
27 Methylene Chloride	49	7.265	7.255	0.010	86	1722417	40.0	33.3	
28 2-Methyl-2-propanol	59	7.393	7.367	0.026	93	3361970	40.0	35.7	
29 Methyl tert-butyl ether	73	7.612	7.607	0.005	97	4640018	40.0	34.1	
30 trans-1,2-Dichloroethene	61	7.676	7.665	0.011	94	2331761	40.0	33.7	
31 Acrylonitrile	53	7.746	7.735	0.011	95	1295808	40.0	34.7	
32 Hexane	57	8.007	8.002	0.005	89	2637855	40.0	30.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
33 1,1-Dichloroethane	63	8.418	8.407	0.011	99	3037525	40.0	31.6	
34 Vinyl acetate	43	8.423	8.413	0.010	99	3682357	40.0	36.3	
36 2-Butanone (MEK)	72	9.309	9.299	0.010	100	1028769	40.0	35.9	
35 Ethyl acetate	88	9.325	9.315	0.010	98	195639	40.0	38.2	
37 cis-1,2-Dichloroethene	96	9.320	9.315	0.005	94	2092521	40.0	33.1	
* 39 Chlorobromomethane	128	9.688	9.683	0.005	88	471237	10.0	10.0	
38 Tetrahydrofuran	42	9.699	9.694	0.005	90	1845667	40.0	37.9	
40 Chloroform	83	9.763	9.758	0.005	96	3382610	40.0	33.7	
S 41 1,2-Dichloroethene, Total	61				0		80.0	66.8	
42 1,1,1-Trichloroethane	97	10.025	10.014	0.011	96	3321366	40.0	36.1	
43 Cyclohexane	84	10.035	10.030	0.005	94	2696049	40.0	37.4	
44 Carbon tetrachloride	117	10.233	10.222	0.011	97	3400835	40.0	35.6	
45 Isooctane	57	10.516	10.505	0.011	99	8583521	40.0	35.6	
46 Benzene	78	10.553	10.547	0.006	96	5698331	40.0	35.2	
47 1,2-Dichloroethane	62	10.649	10.643	0.006	94	1829393	40.0	34.4	
48 n-Heptane	43	10.766	10.761	0.005	85	2932398	40.0	33.5	
A 49 GRO	1	10.852	(4.768-16.935)		0	675790179	40.0	0	
* 50 1,4-Difluorobenzene	114	11.097	11.086	0.011	94	1976179	10.0	10.0	
51 n-Butanol	56	11.284	11.268	0.016	84	1227827	40.0	37.2	
53 Trichloroethene	95	11.466	11.460	0.006	96	2592782	40.0	34.9	
54 1,2-Dichloropropane	63	11.834	11.823	0.011	94	2241597	40.0	35.6	
55 Methyl methacrylate	69	11.871	11.866	0.005	93	2196076	40.0	37.7	
56 1,4-Dioxane	88	11.962	11.951	0.011	91	1235848	40.0	36.2	
57 Dibromomethane	174	12.021	12.015	0.006	92	2854351	40.0	39.1	
58 Dichlorobromomethane	83	12.191	12.186	0.005	98	3786737	40.0	36.3	
A 59 TVOC as Toluene	1	12.471	(3.119-21.824)		0	1144155551	40.0	0	
60 cis-1,3-Dichloropropene	75	12.821	12.810	0.011	87	3225907	40.0	36.6	
61 4-Methyl-2-pentanone (MIBK	43	12.965	12.960	0.005	91	3745980	40.0	35.8	
63 n-Octane	43	13.237	13.232	0.005	83	3808674	40.0	32.0	
64 Toluene	92	13.253	13.243	0.010	94	4416070	40.0	36.6	
66 trans-1,3-Dichloropropene	75	13.611	13.605	0.006	93	3075920	40.0	36.5	
67 1,1,2-Trichloroethane	83	13.883	13.872	0.011	94	2246368	40.0	36.7	
68 Tetrachloroethene	166	14.027	14.016	0.011	97	3995134	40.0	37.5	
69 2-Hexanone	43	14.145	14.134	0.011	98	3619530	40.0	34.6	
70 Chlorodibromomethane	129	14.438	14.433	0.005	97	4270362	40.0	39.1	
71 Ethylene Dibromide	107	14.641	14.635	0.006	98	4080137	40.0	37.7	
* 72 Chlorobenzene-d5	117	15.207	15.196	0.011	83	1766766	10.0	10.0	
73 Chlorobenzene	112	15.244	15.239	0.005	97	5916726	40.0	37.6	
74 Ethylbenzene	91	15.313	15.303	0.010	97	9143608	40.0	36.5	
75 n-Nonane	57	15.335	15.329	0.006	87	4193854	40.0	34.8	
76 m-Xylene & p-Xylene	106	15.463	15.452	0.011	0	7740796	80.0	77.9	
78 o-Xylene	106	15.975	15.964	0.011	97	3893400	40.0	37.9	
79 Styrene	104	15.997	15.986	0.011	96	6105049	40.0	38.8	
S 77 Xylenes, Total	106				0		120.0	115.8	
80 Bromoform	173	16.285	16.279	0.006	99	4015991	40.0	39.9	
81 Isopropylbenzene	105	16.386	16.375	0.011	95	10016320	40.0	37.1	
83 1,1,2,2-Tetrachloroethane	83	16.792	16.781	0.011	97	5489194	40.0	35.8	
84 N-Propylbenzene	91	16.866	16.856	0.010	99	11657611	40.0	35.1	
85 1,2,3-Trichloropropane	75	16.872	16.866	0.006	94	3985551	40.0	35.8	
86 n-Decane	57	16.936	16.925	0.011	89	5206258	40.0	35.9	
87 4-Ethyltoluene	105	16.989	16.984	0.005	96	9903722	40.0	36.5	
88 2-Chlorotoluene	91	17.032	17.021	0.011	95	8302913	40.0	36.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 1,3,5-Trimethylbenzene	105	17.059	17.048	0.011	95	8594096	40.0	38.3	
90 Alpha Methyl Styrene	118	17.331	17.320	0.011	90	4607948	40.0	39.3	
91 tert-Butylbenzene	119	17.432	17.421	0.011	95	8246499	40.0	38.5	
92 1,2,4-Trimethylbenzene	105	17.502	17.496	0.006	95	8432462	40.0	37.7	
93 sec-Butylbenzene	105	17.688	17.683	0.005	98	12242047	40.0	37.0	
94 4-Isopropyltoluene	119	17.843	17.832	0.011	96	10728603	40.0	39.1	
95 1,3-Dichlorobenzene	146	17.918	17.912	0.006	95	6396025	40.0	38.1	
96 1,4-Dichlorobenzene	146	18.030	18.024	0.006	95	6388451	40.0	38.3	
97 Benzyl chloride	91	18.179	18.169	0.010	99	7138894	40.0	36.1	
98 Undecane	57	18.313	18.307	0.006	90	5422449	40.0	36.2	
99 n-Butylbenzene	91	18.345	18.339	0.006	98	9703827	40.0	36.7	
100 1,2-Dichlorobenzene	146	18.510	18.505	0.005	98	6093490	40.0	38.5	
102 Dodecane	57	19.759	19.754	0.005	96	2041971	40.0	14.6	
103 1,2,4-Trichlorobenzene	180	20.864	20.864	0.000	94	3125063	40.0	23.5	
104 Hexachlorobutadiene	225	21.035	21.029	0.006	98	2566206	40.0	22.5	
105 Naphthalene	128	21.344	21.339	0.005	99	6124411	40.0	21.5	
106 1,2,3-Trichlorobenzene	180	21.819	21.814	0.005	96	2151270	40.0	17.8	

Reagents:

ATTO15CAL7w_00076	Amount Added: 200.00	Units: mL	
ATTO15BISs_00006	Amount Added: 20.00	Units: mL	Run Reagent

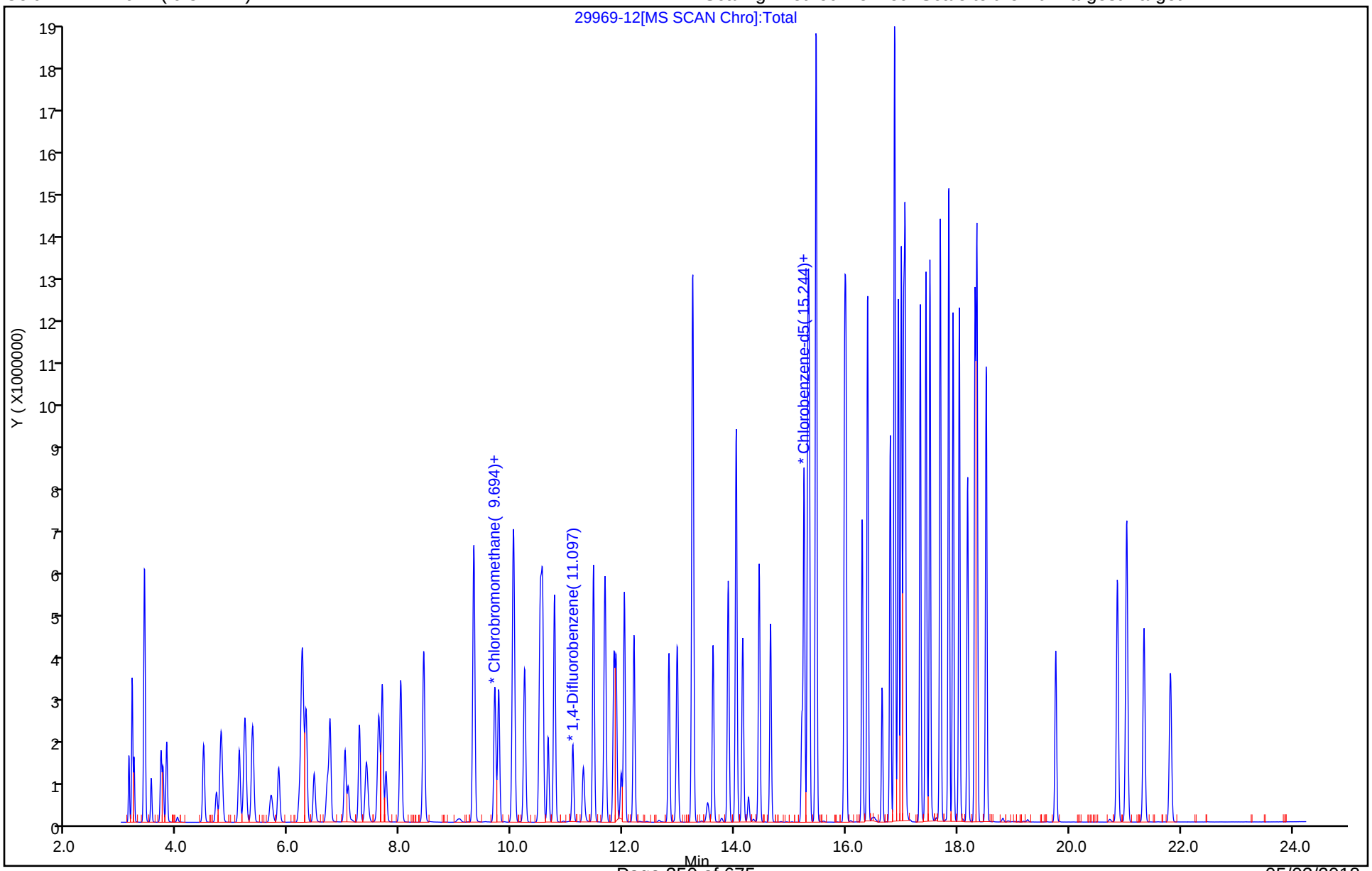
Report Date: 06-Apr-2018 15:40:17 Chrom Revision: 2.2 13-Mar-2018 08:45:20

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180405-29969.b\29969-12.D

Injection Date:	06-Apr-2018 02:05:30	Instrument ID:	CHB.i	Operator ID:	pad
Lims ID:	ic			Worklist Smp#:	12
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180405-29969.b\29969-20.D
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 06-Apr-2018 09:11:30 ALS Bottle#: 20 Worklist Smp#: 20
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0029969-020
Operator ID: pad Instrument ID: CHB.i
Sublist: chrom-TO15_LLNJ_TO3*sub5

Method: \\ChromNA\Burlington\ChromData\CHB.i\20180405-29969.b\TO15_LLNJ_TO3.m
Limit Group: AI_TO15_ICAL
Last Update: 06-Apr-2018 15:40:35 Calib Date: 06-Apr-2018 10:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHB.i\20180405-29969.b\29969-21.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK029

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	3.129	3.129	0.000	99	327411	15.0	15.2	
2 Dichlorodifluoromethane	85	3.188	3.188	0.000	98	1326778	15.0	14.1	
3 Chlorodifluoromethane	51	3.220	3.220	0.000	97	686160	15.0	13.8	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.407	3.407	0.000	98	1497306	15.0	13.7	
5 Chloromethane	50	3.530	3.529	0.001	98	467141	15.0	13.9	
6 Butane	43	3.700	3.705	-0.005	98	726551	15.0	13.6	
7 Vinyl chloride	62	3.738	3.738	0.000	97	629202	15.0	12.7	
8 Butadiene	54	3.807	3.802	0.005	92	458290	15.0	12.7	
10 Bromomethane	94	4.469	4.463	0.006	100	760315	15.0	14.6	
9 BFB									
11 Chloroethane	64	4.693	4.693	0.000	98	420982	15.0	14.6	
12 2-Methylbutane	43	4.778	4.778	0.000	91	708967	15.0	13.0	
13 Vinyl bromide	106	5.104	5.104	0.000	99	820900	15.0	14.8	
14 Trichlorofluoromethane	101	5.205	5.205	0.000	98	1590943	15.0	14.0	
15 Pentane	43	5.344	5.339	0.005	97	1076426	15.0	13.6	
16 Ethanol	45	5.659	5.653	0.006	99	338137	20.0	20.2	
17 Ethyl ether	59	5.814	5.814	0.000	94	507771	15.0	14.5	
18 Acrolein	56	6.177	6.176	0.001	95	222290	15.0	14.7	
19 1,1,2-Trichloro-1,2,2-trif	101	6.235	6.230	0.005	98	1467095	15.0	14.6	
20 1,1-Dichloroethene	96	6.305	6.299	0.006	93	755612	15.0	13.8	
21 Acetone	43	6.449	6.443	0.006	94	864460	15.0	15.4	
22 Isopropyl alcohol	45	6.668	6.662	0.006	99	1040026	15.0	14.8	
23 Carbon disulfide	76	6.737	6.732	0.005	98	1918536	15.0	15.0	
24 3-Chloro-1-propene	41	7.004	6.998	0.006	91	734193	15.0	13.8	
26 Acetonitrile	41	7.057	7.052	0.005	99	504457	15.0	14.9	
27 Methylene Chloride	49	7.260	7.255	0.005	86	711971	15.0	13.9	
28 2-Methyl-2-propanol	59	7.367	7.367	0.000	93	1411110	15.0	15.1	
29 Methyl tert-butyl ether	73	7.607	7.607	0.000	97	1943633	15.0	14.4	
30 trans-1,2-Dichloroethene	61	7.671	7.665	0.006	93	972855	15.0	14.2	
31 Acrylonitrile	53	7.735	7.735	0.000	95	538973	15.0	14.5	
32 Hexane	57	8.002	8.002	0.000	89	1108079	15.0	13.0	
33 1,1-Dichloroethane	63	8.413	8.407	0.006	98	1271637	15.0	13.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
34 Vinyl acetate	43	8.418	8.413	0.005	99	1531737	15.0	15.2	
36 2-Butanone (MEK)	72	9.299	9.299	0.000	100	431756	15.0	15.2	
37 cis-1,2-Dichloroethene	96	9.315	9.315	0.000	92	867468	15.0	13.8	
35 Ethyl acetate	88	9.320	9.315	0.005	94	81244	15.0	16.0	
* 39 Chlorobromomethane	128	9.683	9.683	0.000	85	467590	10.0	10.0	
38 Tetrahydrofuran	42	9.694	9.694	0.000	89	760698	15.0	14.9	
40 Chloroform	83	9.758	9.758	0.000	95	1413122	15.0	14.2	
S 41 1,2-Dichloroethene, Total	61				0		30.0	28.0	
42 1,1,1-Trichloroethane	97	10.019	10.014	0.005	96	1365690	15.0	14.2	
43 Cyclohexane	84	10.035	10.030	0.005	95	1115535	15.0	14.8	
44 Carbon tetrachloride	117	10.227	10.222	0.005	98	1370889	15.0	13.7	
45 Isooctane	57	10.510	10.505	0.005	99	3560738	15.0	14.2	
46 Benzene	78	10.548	10.547	0.001	96	2379472	15.0	14.1	
47 1,2-Dichloroethane	62	10.649	10.643	0.006	94	756899	15.0	13.6	
48 n-Heptane	43	10.761	10.761	0.000	86	1226698	15.0	13.4	
A 49 GRO	1	10.852	(4.768-16.935)		0	306175259	15.0	0	
* 50 1,4-Difluorobenzene	114	11.092	11.086	0.006	94	2063409	10.0	10.0	
51 n-Butanol	56	11.273	11.268	0.005	84	517889	15.0	15.0	
53 Trichloroethene	95	11.460	11.460	0.000	97	1070429	15.0	13.8	
54 1,2-Dichloropropane	63	11.828	11.823	0.005	93	930943	15.0	14.1	
55 Methyl methacrylate	69	11.866	11.866	0.000	93	914244	15.0	15.0	
56 1,4-Dioxane	88	11.957	11.951	0.006	92	539367	15.0	15.1	
57 Dibromomethane	174	12.015	12.015	0.000	93	1110446	15.0	14.6	
58 Dichlorobromomethane	83	12.186	12.186	0.000	98	1584160	15.0	14.6	
A 59 TVOC as Toluene	1	12.471	(3.119-21.824)		0	505714987	15.0	0	
60 cis-1,3-Dichloropropene	75	12.816	12.810	0.006	87	1341912	15.0	14.6	
61 4-Methyl-2-pentanone (MIBK	43	12.960	12.960	0.000	91	1554918	15.0	14.2	
63 n-Octane	43	13.232	13.232	0.000	85	1662706	15.0	13.4	
64 Toluene	92	13.248	13.243	0.005	94	1807911	15.0	14.5	
66 trans-1,3-Dichloropropene	75	13.606	13.605	0.001	93	1282479	15.0	14.6	
67 1,1,2-Trichloroethane	83	13.878	13.872	0.006	94	928077	15.0	14.6	
68 Tetrachloroethene	166	14.022	14.016	0.006	98	1577292	15.0	14.3	
69 2-Hexanone	43	14.134	14.134	0.000	98	1508993	15.0	14.0	
70 Chlorodibromomethane	129	14.433	14.433	0.000	97	1813672	15.0	16.1	
71 Ethylene Dibromide	107	14.636	14.635	0.001	98	1676040	15.0	15.0	
* 72 Chlorobenzene-d5	117	15.201	15.196	0.005	84	1826587	10.0	10.0	
73 Chlorobenzene	112	15.239	15.239	0.000	97	2423861	15.0	14.9	
74 Ethylbenzene	91	15.308	15.303	0.005	97	3744204	15.0	14.4	
75 n-Nonane	57	15.329	15.329	0.000	84	1765663	15.0	14.2	
76 m-Xylene & p-Xylene	106	15.458	15.452	0.006	0	3101973	30.0	30.2	
78 o-Xylene	106	15.970	15.964	0.006	98	1564875	15.0	14.7	
79 Styrene	104	15.991	15.986	0.005	97	2472196	15.0	15.2	
S 77 Xylenes, Total	106				0		45.0	44.9	
80 Bromoform	173	16.285	16.279	0.006	98	1906184	15.0	18.3	
81 Isopropylbenzene	105	16.381	16.375	0.006	95	4169688	15.0	14.9	
83 1,1,2,2-Tetrachloroethane	83	16.786	16.781	0.005	97	2319132	15.0	14.6	
84 N-Propylbenzene	91	16.861	16.856	0.005	99	5075360	15.0	14.8	
85 1,2,3-Trichloropropane	75	16.867	16.866	0.000	95	1705834	15.0	14.8	
86 n-Decane	57	16.931	16.925	0.006	90	2140742	15.0	14.3	
87 4-Ethyltoluene	105	16.984	16.984	0.000	97	4159985	15.0	14.8	
88 2-Chlorotoluene	91	17.027	17.021	0.006	95	3436012	15.0	14.7	
89 1,3,5-Trimethylbenzene	105	17.053	17.048	0.005	94	3416334	15.0	14.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
90 Alpha Methyl Styrene	118	17.325	17.320	0.005	89	1825946	15.0	15.1	
91 tert-Butylbenzene	119	17.427	17.421	0.006	95	3234117	15.0	14.6	
92 1,2,4-Trimethylbenzene	105	17.496	17.496	0.000	96	3307518	15.0	14.3	
93 sec-Butylbenzene	105	17.683	17.683	0.000	98	4851444	15.0	14.2	
94 4-Isopropyltoluene	119	17.838	17.832	0.006	97	4046446	15.0	14.3	
95 1,3-Dichlorobenzene	146	17.913	17.912	0.001	96	2497528	15.0	14.4	
96 1,4-Dichlorobenzene	146	18.025	18.024	0.001	95	2478952	15.0	14.4	
97 Benzyl chloride	91	18.174	18.169	0.005	100	2835799	15.0	13.9	
98 Undecane	57	18.307	18.307	0.000	92	2346964	15.0	15.1	
99 n-Butylbenzene	91	18.339	18.339	0.000	98	3807938	15.0	13.9	
100 1,2-Dichlorobenzene	146	18.510	18.505	0.005	97	2300431	15.0	14.1	
102 Dodecane	57	19.759	19.754	0.005	96	1891065	15.0	13.1	
103 1,2,4-Trichlorobenzene	180	20.864	20.864	0.000	94	1993972	15.0	14.5	
104 Hexachlorobutadiene	225	21.029	21.029	0.000	98	1708111	15.0	14.5	
105 Naphthalene	128	21.344	21.339	0.005	99	3956546	15.0	13.4	
106 1,2,3-Trichlorobenzene	180	21.819	21.814	0.005	95	1756663	15.0	14.0	

Reagents:

ATTO15CAL5w_00073	Amount Added: 200.00	Units: mL	
ATTO15BISs_00006	Amount Added: 20.00	Units: mL	Run Reagent

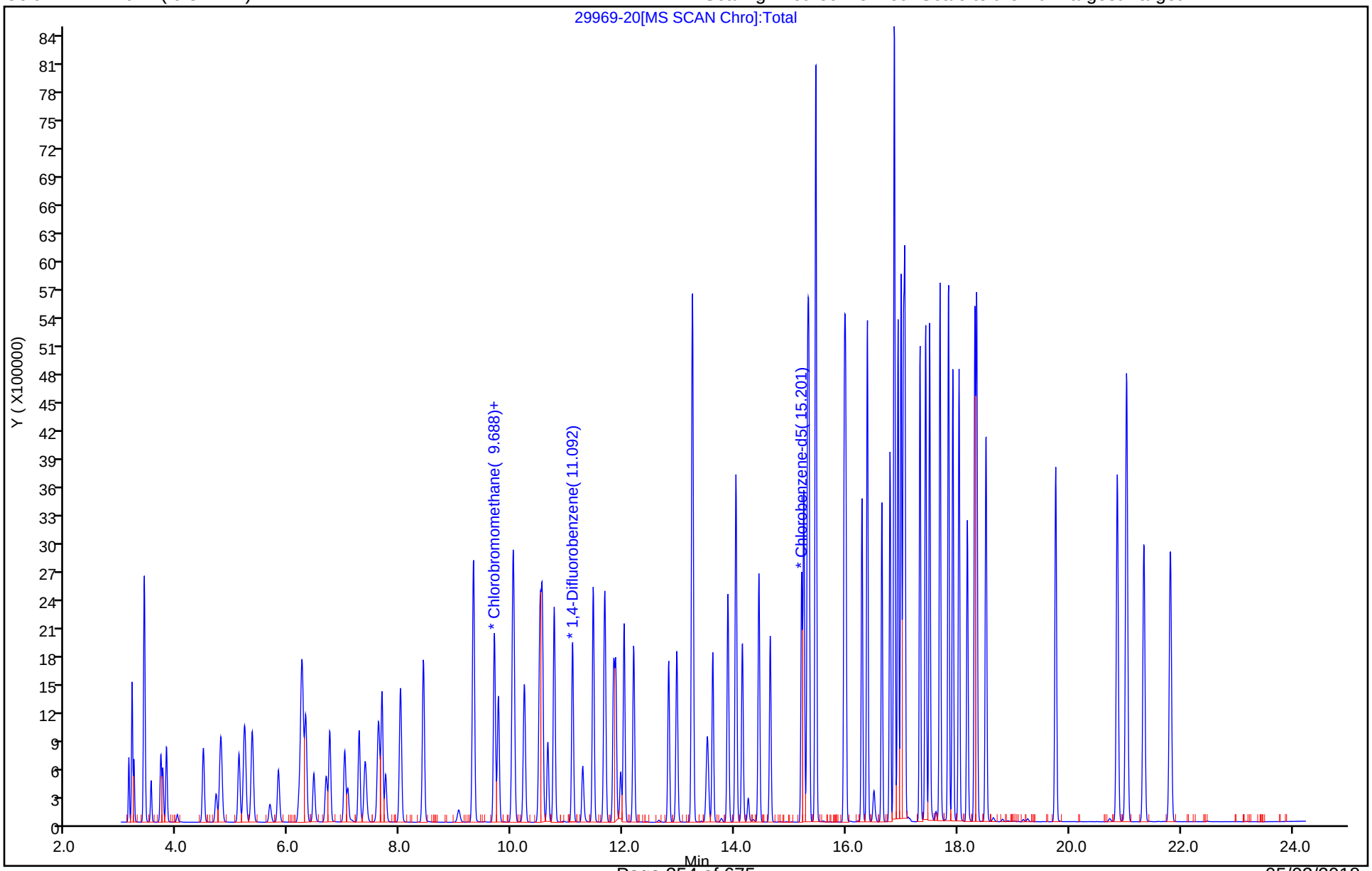
Report Date: 06-Apr-2018 15:40:36 Chrom Revision: 2.2 13-Mar-2018 08:45:20

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180405-29969.b\29969-20.D

Injection Date:	06-Apr-2018 09:11:30	Instrument ID:	CHB.i	Operator ID:	pad
Lims ID:	ic			Worklist Smp#:	20
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	20
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180405-29969.b\29969-21.D
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 06-Apr-2018 10:05:30 ALS Bottle#: 21 Worklist Smp#: 21
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0029969-021
Operator ID: pad Instrument ID: CHB.i
Sublist: chrom-TO15_LLNJ_TO3*sub5

Method: \\ChromNA\Burlington\ChromData\CHB.i\20180405-29969.b\TO15_LLNJ_TO3.m
Limit Group: AI_TO15_ICAL
Last Update: 06-Apr-2018 15:40:39 Calib Date: 06-Apr-2018 10:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHB.i\20180405-29969.b\29969-21.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK029

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	3.129	3.129	0.000	99	103654	4.99	4.76	
2 Dichlorodifluoromethane	85	3.188	3.188	0.000	98	421812	4.99	4.44	
3 Chlorodifluoromethane	51	3.220	3.220	0.000	97	218387	4.99	4.35	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.407	3.407	0.000	85	475320	4.99	4.31	
5 Chloromethane	50	3.530	3.529	0.001	98	146601	4.99	4.31	
6 Butane	43	3.700	3.705	-0.005	98	231481	4.99	4.30	
7 Vinyl chloride	62	3.738	3.738	0.000	97	201971	4.99	4.05	
8 Butadiene	54	3.802	3.802	0.000	91	145530	4.99	4.00	
10 Bromomethane	94	4.464	4.463	0.001	100	240184	4.99	4.56	
9 BFB									
11 Chloroethane	64	4.693	4.693	0.000	98	133520	4.99	4.58	
12 2-Methylbutane	43	4.778	4.778	0.000	93	226231	4.99	4.11	
13 Vinyl bromide	106	5.104	5.104	0.000	100	263707	4.99	4.70	
14 Trichlorofluoromethane	101	5.205	5.205	0.000	98	506554	4.99	4.41	
15 Pentane	43	5.339	5.339	0.000	97	339107	4.99	4.25	
16 Ethanol	45	5.659	5.653	0.006	99	172198	10.0	10.2	
17 Ethyl ether	59	5.814	5.814	0.000	95	161537	4.99	4.57	
18 Acrolein	56	6.177	6.176	0.001	95	83634	4.99	5.47	
19 1,1,2-Trichloro-1,2,2-trif	101	6.230	6.230	0.000	98	466663	4.99	4.58	
20 1,1-Dichloroethene	96	6.299	6.299	0.000	92	242711	4.99	4.39	
21 Acetone	43	6.449	6.443	0.006	94	270430	4.99	4.78	
22 Isopropyl alcohol	45	6.662	6.662	0.000	99	348643	4.99	4.89	
23 Carbon disulfide	76	6.732	6.732	0.000	98	613966	4.99	4.74	
24 3-Chloro-1-propene	41	6.999	6.998	0.001	90	200286	4.99	3.72	
26 Acetonitrile	41	7.052	7.052	0.000	98	176607	4.99	5.15	
27 Methylene Chloride	49	7.255	7.255	0.000	85	229006	4.99	4.42	
28 2-Methyl-2-propanol	59	7.367	7.367	0.000	93	472287	4.99	5.01	
29 Methyl tert-butyl ether	73	7.607	7.607	0.000	97	616001	4.99	4.52	
30 trans-1,2-Dichloroethene	61	7.666	7.665	0.001	93	309749	4.99	4.46	
31 Acrylonitrile	53	7.735	7.735	0.000	96	171291	4.99	4.57	
32 Hexane	57	8.002	8.002	0.000	89	354531	4.99	4.11	
33 1,1-Dichloroethane	63	8.408	8.407	0.001	99	402377	4.99	4.18	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
34 Vinyl acetate	43	8.413	8.413	0.000	99	479239	4.99	4.71	
36 2-Butanone (MEK)	72	9.299	9.299	0.000	100	134691	4.99	4.69	
35 Ethyl acetate	88	9.315	9.315	0.000	97	25623	4.99	4.99	
37 cis-1,2-Dichloroethene	96	9.315	9.315	0.000	94	275114	4.99	4.34	
* 39 Chlorobromomethane	128	9.683	9.683	0.000	80	472485	10.0	10.0	
38 Tetrahydrofuran	42	9.694	9.694	0.000	90	241467	4.99	4.63	
40 Chloroform	83	9.752	9.758	-0.006	95	448684	4.99	4.46	
S 41 1,2-Dichloroethene, Total	61				0		9.99	8.81	
42 1,1,1-Trichloroethane	97	10.014	10.014	0.000	96	429979	4.99	4.36	
43 Cyclohexane	84	10.030	10.030	0.000	95	350942	4.99	4.55	
44 Carbon tetrachloride	117	10.222	10.222	0.000	97	448916	4.99	4.39	
45 Isooctane	57	10.505	10.505	0.000	99	1120857	4.99	4.35	
46 Benzene	78	10.548	10.547	0.001	96	758062	4.99	4.38	
47 1,2-Dichloroethane	62	10.644	10.643	0.001	94	239812	4.99	4.22	
48 n-Heptane	43	10.756	10.761	-0.005	85	384722	4.99	4.11	
A 49 GRO	1	10.852	(4.768-16.935)		0	99078954	4.99	0	
* 50 1,4-Difluorobenzene	114	11.087	11.086	0.001	94	2114350	10.0	10.0	
51 n-Butanol	56	11.273	11.268	0.005	83	172791	4.99	4.90	
53 Trichloroethene	95	11.460	11.460	0.000	97	338145	4.99	4.25	
54 1,2-Dichloropropane	63	11.823	11.823	0.000	94	295567	4.99	4.38	
55 Methyl methacrylate	69	11.860	11.866	-0.006	94	283908	4.99	4.55	
56 1,4-Dioxane	88	11.951	11.951	0.000	92	194096	4.99	5.31	
57 Dibromomethane	174	12.015	12.015	0.000	93	356286	4.99	4.57	
58 Dichlorobromomethane	83	12.186	12.186	0.000	98	492982	4.99	4.42	
A 59 TVOC as Toluene	1	12.471	(3.119-21.824)		0	165016805	4.99	0	
60 cis-1,3-Dichloropropene	75	12.810	12.810	0.000	87	423563	4.99	4.49	
61 4-Methyl-2-pentanone (MIBK	43	12.960	12.960	0.000	92	478039	4.99	4.27	
63 n-Octane	43	13.232	13.232	0.000	86	531425	4.99	4.17	
64 Toluene	92	13.243	13.243	0.000	94	568115	4.99	4.47	
66 trans-1,3-Dichloropropene	75	13.600	13.605	-0.005	93	399844	4.99	4.43	
67 1,1,2-Trichloroethane	83	13.872	13.872	0.000	94	292677	4.99	4.54	
68 Tetrachloroethene	166	14.017	14.016	0.001	94	492295	4.99	4.39	
69 2-Hexanone	43	14.134	14.134	0.000	98	458378	4.99	4.17	
70 Chlorodibromomethane	129	14.428	14.433	-0.005	97	547385	4.99	4.77	
71 Ethylene Dibromide	107	14.630	14.635	-0.005	98	525361	4.99	4.62	
* 72 Chlorobenzene-d5	117	15.196	15.196	0.000	83	1858724	10.0	10.0	
73 Chlorobenzene	112	15.239	15.239	0.000	97	762224	4.99	4.60	
74 Ethylbenzene	91	15.303	15.303	0.000	97	1172022	4.99	4.44	
75 n-Nonane	57	15.329	15.329	0.000	85	553022	4.99	4.36	
76 m-Xylene & p-Xylene	106	15.452	15.452	0.000	0	954974	9.99	9.14	
78 o-Xylene	106	15.965	15.964	0.001	98	484150	4.99	4.48	
79 Styrene	104	15.986	15.986	0.000	97	761183	4.99	4.60	
S 77 Xylenes, Total	106				0		15.0	13.6	
80 Bromoform	173	16.279	16.279	0.000	98	532420	4.99	5.03	
81 Isopropylbenzene	105	16.376	16.375	0.000	95	1296251	4.99	4.56	
83 1,1,2,2-Tetrachloroethane	83	16.781	16.781	0.000	97	722791	4.99	4.48	
84 N-Propylbenzene	91	16.856	16.856	0.000	99	1570542	4.99	4.50	
85 1,2,3-Trichloropropane	75	16.867	16.866	0.000	95	530285	4.99	4.52	
86 n-Decane	57	16.925	16.925	0.000	91	701174	4.99	4.59	
87 4-Ethyltoluene	105	16.979	16.984	-0.005	98	1316223	4.99	4.61	
88 2-Chlorotoluene	91	17.021	17.021	0.000	94	1058153	4.99	4.45	
89 1,3,5-Trimethylbenzene	105	17.048	17.048	0.000	94	1075550	4.99	4.56	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
90 Alpha Methyl Styrene	118	17.320	17.320	0.000	89	580899	4.99	4.71	
91 tert-Butylbenzene	119	17.422	17.421	0.001	95	1035578	4.99	4.59	
92 1,2,4-Trimethylbenzene	105	17.491	17.496	-0.005	96	1078560	4.99	4.59	
93 sec-Butylbenzene	105	17.678	17.683	-0.005	98	1588864	4.99	4.57	
94 4-Isopropyltoluene	119	17.832	17.832	0.000	97	1313974	4.99	4.55	
95 1,3-Dichlorobenzene	146	17.913	17.912	0.001	96	809035	4.99	4.59	
96 1,4-Dichlorobenzene	146	18.019	18.024	-0.005	95	814941	4.99	4.64	
97 Benzyl chloride	91	18.169	18.169	0.000	100	982518	4.99	4.72	
98 Undecane	57	18.302	18.307	-0.005	93	767552	4.99	4.87	
99 n-Butylbenzene	91	18.339	18.339	0.000	98	1245757	4.99	4.48	
100 1,2-Dichlorobenzene	146	18.505	18.505	0.000	97	769337	4.99	4.62	
102 Dodecane	57	19.754	19.754	0.000	97	689330	4.99	4.68	
103 1,2,4-Trichlorobenzene	180	20.864	20.864	0.000	95	651989	4.99	4.65	
104 Hexachlorobutadiene	225	21.029	21.029	0.000	98	547618	4.99	4.55	
105 Naphthalene	128	21.339	21.339	0.000	99	1403621	4.99	4.68	
106 1,2,3-Trichlorobenzene	180	21.814	21.814	0.000	96	612340	4.99	4.81	

Reagents:

ATTO15CAL3w_00194	Amount Added: 200.00	Units: mL	
ATTO15BISs_00006	Amount Added: 20.00	Units: mL	Run Reagent

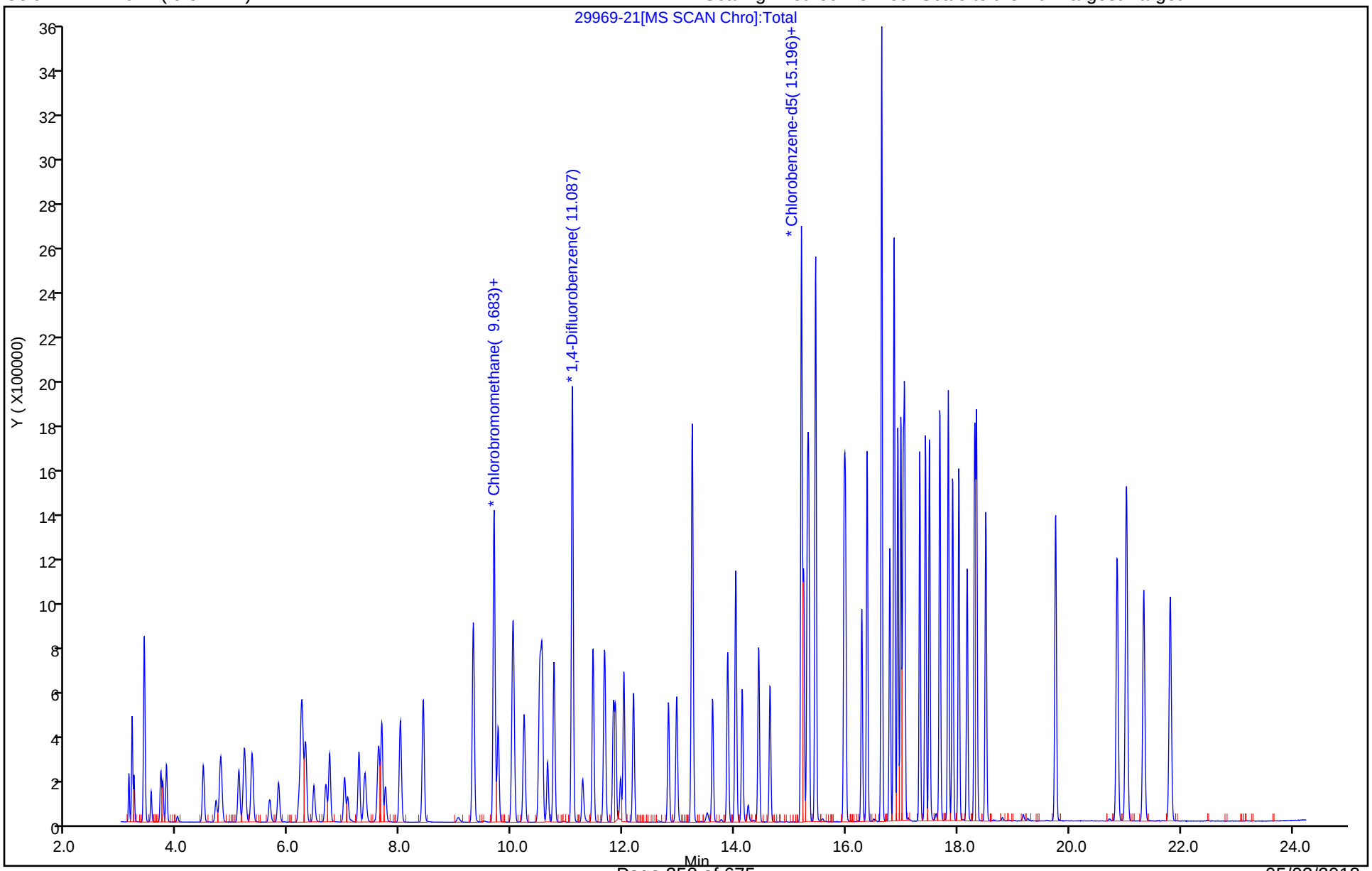
Report Date: 06-Apr-2018 15:40:40 Chrom Revision: 2.2 13-Mar-2018 08:45:20

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180405-29969.b\29969-21.D

Injection Date:	06-Apr-2018 10:05:30	Instrument ID:	CHB.i	Operator ID:	pad
Lims ID:	ic			Worklist Smp#:	21
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	21
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-43091-1 Analy Batch No.: 128414

SDG No.: 200-43091-1

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/12/2018 17:29 Calibration End Date: 04/12/2018 23:23 Calibration ID: 39268

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-128414/4	30075_04.D
Level 2	IC 200-128414/5	30075_05.D
Level 3	IC 200-128414/6	30075_06.D
Level 4	IC 200-128414/7	30075_07.D
Level 5	ICIS 200-128414/8	30075_08.D
Level 6	IC 200-128414/9	30075_09.D
Level 7	IC 200-128414/10	30075_10.D
Level 8	IC 200-128414/11	30075_11.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Propylene	+++++ 0.5756	+++++ 0.5133	+++++ 0.4632	0.5791	0.5665	Ave		0.5395				9.3		30.0			
Dichlorodifluoromethane	+++++ 2.3808	+++++ 2.0942	2.4416 1.9381	2.0515	2.2389	Ave		2.1908				9.0		30.0			
Chlorodifluoromethane	+++++ 1.2462	+++++ 1.1364	1.3253 1.0166	1.2108	1.2103	Ave		1.1909				8.8		30.0			
1,2-Dichlorotetrafluoroethane	+++++ 2.2800	2.2303 2.0951	2.3071 1.9392	2.1030	2.1446	Ave		2.1570				5.9		30.0			
Chloromethane	+++++ 0.6974	+++++ 0.6271	0.7543 0.5674	0.7278	0.6665	Ave		0.6734				10.2		30.0			
n-Butane	+++++ 1.2224	+++++ 1.0885	1.3313 0.9721	1.1969	1.1997	Ave		1.1685				10.6		30.0			
Vinyl chloride	0.7567 0.8497	0.8314 0.7685	0.8883 0.7031	0.8218	0.8271	Ave		0.8058				7.3		30.0			
1,3-Butadiene	0.6842 0.6348	0.5807 0.5738	0.7082 0.5170	0.6097	0.6253	Ave		0.6167				10.0		30.0			
Bromomethane	+++++ 0.8842	0.8425 0.7922	0.8904 0.7492	0.8119	0.8157	Ave		0.8266				6.1		30.0			
Chloroethane	+++++ 0.4103	+++++ 0.3721	0.4253 0.3349	0.3770	0.3885	Ave		0.3847				8.2		30.0			
Isopentane	+++++ 0.8666	0.9726 0.7639	0.9963 0.6603	0.8084	0.8243	Ave		0.8418				13.9		30.0			
Bromoethene(Vinyl Bromide)	+++++ 0.9201	0.8926 0.8723	0.9300 0.8308	0.8270	0.8558	Ave		0.8755				4.7		30.0			
Trichlorofluoromethane	+++++ 2.5139	2.4189 2.3463	2.5160 2.2189	2.3177	2.3572	Ave		2.3841				4.5		30.0			
n-Pentane	+++++ 1.3368	+++++ 1.2090	1.4174 1.0918	1.2714	1.2743	Ave		1.2668				8.8		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-43091-1 Analy Batch No.: 128414

SDG No.: 200-43091-1

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/12/2018 17:29 Calibration End Date: 04/12/2018 23:23 Calibration ID: 39268

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethanol	+++++ 0.2814	+++++ 0.2556	0.2670 0.2244	0.2531	0.2993	Ave		0.2635				9.8		30.0			
Ethyl ether	+++++ 0.5265	0.4676 0.4970	0.5292 0.4525	0.4879	0.4879	Ave		0.4927				5.7		30.0			
Acrolein	+++++ 0.2162	+++++ 0.2041	+++++ 0.1649	0.1373	0.2440	Ave		0.1933				21.9		30.0			
1,1,2-Trichlorotrifluoroethane	+++++ 1.7635	1.6770 1.6602	1.7934 1.5633	1.5373	1.5952	Ave		1.6557				5.9		30.0			
1,1-Dichloroethene	0.9549 0.8350	0.8188 0.7943	0.8350 0.7492	0.7404	0.7647	Ave		0.8115				8.5		30.0			
Acetone	+++++ 1.2746	+++++ 1.0947	+++++ 0.9714	1.6148	1.2376	Ave		1.2386				19.6		30.0			
Carbon disulfide	+++++ 2.2035	+++++ 2.0597	2.1762 1.9403	1.9889	2.0322	Ave		2.0668				5.0		30.0			
Isopropyl alcohol	+++++ 1.3486	+++++ 1.2124	+++++ 1.0795	1.2858	1.3653	Ave		1.2583				9.3		30.0			
3-Chloropropene	+++++ 0.9234	0.8582 0.8151	0.8892 0.6941	0.8518	0.7310	Ave		0.8232				10.1		30.0			
Acetonitrile	+++++ 0.5879	+++++ 0.5211	+++++ 0.4626	0.5729	0.5651	Ave		0.5419				9.4		30.0			
Methylene Chloride	+++++ 0.8719	+++++ 0.7831	0.9628 0.7115	0.8037	0.8314	Ave		0.8274				10.3		30.0			
tert-Butyl alcohol	+++++ 1.8204	+++++ 1.6740	+++++ 1.5373	1.6841	1.7690	Ave		1.6970				6.4		30.0			
Methyl tert-butyl ether	+++++ 2.5310	2.3290 2.3580	2.3786 2.1730	2.2687	2.3802	Ave		2.3455				4.7		30.0			
trans-1,2-Dichloroethene	+++++ 1.2043	1.1457 1.1020	1.2252 1.0202	1.1010	1.1210	Ave		1.1313				6.1		30.0			
Acrylonitrile	+++++ 0.5653	+++++ 0.5138	0.5542 0.4735	0.4985	0.5357	Ave		0.5235				6.6		30.0			
n-Hexane	+++++ 1.2090	1.1874 1.1071	1.2317 1.0045	1.0856	1.1303	Ave		1.1365				7.0		30.0			
1,1-Dichloroethane	1.6019 1.5571	1.4477 1.4332	1.5330 1.3259	1.4142	1.4513	Ave		1.4705				6.0		30.0			
Vinyl acetate	+++++ 2.1338	+++++ 1.8955	+++++ 1.7074	1.9336	2.0309	Ave		1.9403				8.2		30.0			
cis-1,2-Dichloroethene	0.8558 1.0290	0.9102 0.9718	1.0243 0.9171	0.9063	0.9559	Ave		0.9463				6.4		30.0			
Methyl Ethyl Ketone (2-Butanone)	+++++ 0.4769	+++++ 0.4302	0.5067 0.4051	0.4348	0.4403	Ave		0.4490				8.1		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-43091-1 Analy Batch No.: 128414

SDG No.: 200-43091-1

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/12/2018 17:29 Calibration End Date: 04/12/2018 23:23 Calibration ID: 39268

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethyl acetate	+++++ 0.0718	+++++ 0.0671	+++++ 0.0630	0.0656	0.0681	Ave		0.0671				4.8		30.0			
Tetrahydrofuran	+++++ 0.1982	+++++ 0.1800	+++++ 0.1689	0.1872	0.1913	Ave		0.1851				6.1		30.0			
Chloroform	+++++ 2.1027	2.1058 1.9364	2.0792 1.8050	1.8863	1.9614	Ave		1.9824				5.9		30.0			
Cyclohexane	+++++ 0.2581	0.2414 0.2452	0.2585 0.2415	0.2285	0.2373	Ave		0.2443				4.4		30.0			
1,1,1-Trichloroethane	+++++ 0.4363	0.3911 0.4089	0.4124 0.4037	0.3935	0.4161	Ave		0.4089				3.7		30.0			
Carbon tetrachloride	0.3805 0.4579	0.3977 0.4434	0.4538 0.4363	0.4162	0.4514	Ave		0.4297				6.6		30.0			
2,2,4-Trimethylpentane	+++++ 0.9586	0.9185 0.8956	0.9380 0.8635	0.8660	0.9010	Ave		0.9059				3.9		30.0			
Benzene	+++++ 0.6150	0.5981 0.5802	0.6171 0.5723	0.5527	0.5744	Ave		0.5871				4.1		30.0			
1,2-Dichloroethane	+++++ 0.2755	0.2423 0.2532	0.2878 0.2415	0.2550	0.2639	Ave		0.2599				6.6		30.0			
n-Heptane	+++++ 0.3670	0.3550 0.3326	0.3530 0.3165	0.3334	0.3473	Ave		0.3435				5.0		30.0			
n-Butanol	+++++ 0.1320	+++++ 0.1207	+++++ 0.1166	0.1281	0.1298	Ave		0.1254				5.2		30.0			
Trichloroethene	0.3322 0.2936	0.3048 0.2793	0.2920 0.2760	0.2622	0.2700	Ave		0.2888				7.7		30.0			
1,2-Dichloropropane	+++++ 0.2420	0.2198 0.2265	0.2418 0.2221	0.2175	0.2243	Ave		0.2277				4.4		30.0			
Methyl methacrylate	+++++ 0.2376	+++++ 0.2267	0.2426 0.2202	0.2086	0.2253	Ave		0.2268				5.4		30.0			
1,4-Dioxane	+++++ 0.1420	+++++ 0.1326	+++++ 0.1278	0.1283	0.1415	Ave		0.1344				5.1		30.0			
Dibromomethane	+++++ 0.3379	0.3404 0.3293	0.3355 0.3397	0.2982	0.3169	Ave		0.3283				4.8		30.0			
Bromodichloromethane	+++++ 0.5040	0.4188 0.4674	0.4660 0.4533	0.4274	0.4675	Ave		0.4578				6.2		30.0			
cis-1,3-Dichloropropene	+++++ 0.3792	0.3392 0.3592	0.3610 0.3529	0.3400	0.3549	Ave		0.3552				3.8		30.0			
4-Methyl-2-pentanone (Methyl isobutyl ketone)	+++++ 0.5091	+++++ 0.4695	0.5270 0.4426	0.4714	0.4912	Ave		0.4851				6.3		30.0			
Toluene	+++++ 0.5289	0.5234 0.5166	0.5287 0.5076	0.4802	0.5013	Ave		0.5124				3.4		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-43091-1 Analy Batch No.: 128414

SDG No.: 200-43091-1

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/12/2018 17:29 Calibration End Date: 04/12/2018 23:23 Calibration ID: 39268

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
n-Octane	+++++ 0.5454	0.4961 0.4980	0.5239 0.4701	0.5065	0.5240	Ave		0.5091				4.8		30.0			
trans-1,3-Dichloropropene	+++++ 0.3898	0.5593 0.3648	0.4034 0.3533	0.3445	0.3642	Ave		0.3971				18.7		30.0			
1,1,2-Trichloroethane	+++++ 0.2562	0.2588 0.2508	0.2542 0.2467	0.2300	0.2468	Ave		0.2491				3.8		30.0			
Tetrachloroethene	0.5748 0.5291	0.5519 0.5193	0.5305 0.5254	0.4724	0.4968	Ave		0.5250				6.0		30.0			
Methyl Butyl Ketone (2-Hexanone)	+++++ 0.5199	+++++ 0.4917	0.5951 0.4587	0.4853	0.5077	Ave		0.5098				9.2		30.0			
Dibromochloromethane	+++++ 0.6107	0.5352 0.5721	0.5365 0.5534	0.4593	0.5549	Ave		0.5460				8.4		30.0			
1,2-Dibromoethane	+++++ 0.5044	0.4707 0.4927	0.4849 0.4856	0.4526	0.4749	Ave		0.4808				3.5		30.0			
Chlorobenzene	+++++ 0.7676	0.7836 0.7501	0.7375 0.7415	0.6805	0.7251	Ave		0.7408				4.5		30.0			
Ethylbenzene	+++++ 1.2079	1.1525 1.1678	1.1575 1.1525	1.0820	1.1384	Ave		1.1512				3.3		30.0			
n-Nonane	+++++ 0.5398	0.5197 0.5146	0.5300 0.4961	0.4885	0.5128	Ave		0.5145				3.5		30.0			
m,p-Xylene	+++++ 0.4965	0.4702 0.4819	0.4701 0.4748	0.4444	0.4647	Ave		0.4718				3.4		30.0			
o-Xylene	+++++ 0.4927	0.4816 0.4723	0.4735 0.4662	0.4400	0.4643	Ave		0.4701				3.5		30.0			
Styrene	+++++ 0.7739	0.7212 0.7474	0.6908 0.7302	0.6673	0.7304	Ave		0.7230				4.9		30.0			
Bromoform	+++++ 0.6661	0.4951 0.5933	0.4706 0.5277	0.3430	0.5742	Ave		0.5243				19.7		30.0			
Cumene	+++++ 1.4268	1.3728 1.3794	1.3431 1.3461	1.2638	1.3433	Ave		1.3536				3.7		30.0			
1,1,2,2-Tetrachloroethane	+++++ 0.6936	0.6718 0.6676	0.6727 0.6319	0.6168	0.6591	Ave		0.6591				4.0		30.0			
n-Propylbenzene	+++++ 1.7055	1.6039 1.6444	1.6062 1.5407	1.5144	1.6092	Ave		1.6035				3.9		30.0			
1,2,3-Trichloropropane	+++++ 0.5360	+++++ 0.5178	0.5596 0.4786	0.4808	0.5101	Ave		0.5138				6.1		30.0			
n-Decane	+++++ 0.6814	+++++ 0.6332	0.6366 0.5565	0.6434	0.6808	Ave		0.6387				7.1		30.0			
4-Ethyltoluene	+++++ 1.4575	1.3756 1.3896	1.3523 1.2653	1.2843	1.3689	Ave		1.3562				4.8		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-43091-1 Analy Batch No.: 128414

SDG No.: 200-43091-1

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/12/2018 17:29 Calibration End Date: 04/12/2018 23:23 Calibration ID: 39268

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2-Chlorotoluene	+++++ 1.1802	1.1671 1.1272	1.0878 1.0411	1.0397	1.1114	Ave		1.1078				5.0		30.0			
1,3,5-Trimethylbenzene	+++++ 1.1901	1.1513 1.1286	1.1179 1.0513	1.0733	1.1397	Ave		1.1218				4.2		30.0			
Alpha Methyl Styrene	+++++ 0.6236	0.5919 0.5915	0.5609 0.5447	0.5404	0.5952	Ave		0.5783				5.3		30.0			
tert-Butylbenzene	+++++ 1.1632	1.1311 1.0867	1.1044 1.0270	1.0495	1.1210	Ave		1.0976				4.3		30.0			
1,2,4-Trimethylbenzene	+++++ 1.1839	1.1246 1.1145	1.1215 1.0525	1.0730	1.1421	Ave		1.1160				3.9		30.0			
sec-Butylbenzene	+++++ 1.7014	1.6634 1.5957	1.5885 1.5287	1.5700	1.6596	Ave		1.6153				3.8		30.0			
4-Isopropyltoluene	+++++ 1.4228	1.4408 1.3586	1.3527 1.3766	1.3532	1.4554	Ave		1.3943				3.2		30.0			
1,3-Dichlorobenzene	+++++ 0.9102	0.9426 0.8605	0.8507 0.7990	0.8021	0.8726	Ave		0.8625				6.1		30.0			
1,4-Dichlorobenzene	+++++ 0.9092	1.0282 0.8463	0.8715 0.7955	0.8053	0.8746	Ave		0.8758				8.9		30.0			
Benzyl chloride	+++++ 0.9638	0.9660 0.9088	0.9260 0.8258	0.7930	0.9878	Ave		0.9102				8.2		30.0			
n-Butylbenzene	+++++ 1.2145	1.3343 1.1939	1.2095 1.2084	1.1959	1.2674	Ave		1.2320				4.2		30.0			
n-Undecane	+++++ 0.6351	+++++ 0.6375	+++++ 0.6114	0.6270	0.6067	Ave		0.6235				2.2		30.0			
1,2-Dichlorobenzene	+++++ 0.8268	0.9157 0.7718	0.8172 0.7522	0.7568	0.8183	Ave		0.8084				7.0		30.0			
n-Dodecane	+++++ 0.4295	+++++ 0.4635	+++++ 0.3344	0.4113	0.4768	Ave		0.4231				13.2		30.0			
1,2,4-Trichlorobenzene	+++++ 0.6557	+++++ 0.6908	0.6734 0.5605	0.5072	0.5945	Ave		0.6137				11.7		30.0			
Hexachlorobutadiene	+++++ 0.6588	0.7123 0.6526	0.6014 0.5694	0.5893	0.6130	Ave		0.6281				7.8		30.0			
Naphthalene	+++++ 1.2979	+++++ 1.3925	1.6302 1.0443	0.9545	1.2175	Ave		1.2561				19.4		30.0			
1,2,3-Trichlorobenzene	+++++ 0.5813	+++++ 0.6152	0.5563 0.4520	0.4561	0.5604	Ave		0.5369				12.6		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-43091-1 Analy Batch No.: 128414

SDG No.: 200-43091-1

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/12/2018 17:29 Calibration End Date: 04/12/2018 23:23 Calibration ID: 39268

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-128414/4	30075_04.D
Level 2	IC 200-128414/5	30075_05.D
Level 3	IC 200-128414/6	30075_06.D
Level 4	IC 200-128414/7	30075_07.D
Level 5	ICIS 200-128414/8	30075_08.D
Level 6	IC 200-128414/9	30075_09.D
Level 7	IC 200-128414/10	30075_10.D
Level 8	IC 200-128414/11	30075_11.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Propylene	BCM	Ave	+++++ 192407	+++++ 261425	+++++ 543847	57075	114388	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Dichlorodifluoromethane	BCM	Ave	+++++ 795837	+++++ 1066628	25684 2275489	202190	452052	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Chlorodifluoromethane	BCM	Ave	+++++ 416554	+++++ 578793	13941 1193597	119333	244375	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorotetrafluoroethane	BCM	Ave	+++++ 762138	10642 1067096	24269 2276751	207267	433020	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloromethane	BCM	Ave	+++++ 233134	+++++ 319381	7935 666217	71735	134577	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Butane	BCM	Ave	+++++ 408604	+++++ 554406	14005 1141351	117966	242230	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Vinyl chloride	BCM	Ave	710 284042	3967 391402	9344 825476	80997	167007	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Butadiene	BCM	Ave	642 212206	2771 292235	7450 607027	60095	126258	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromomethane	BCM	Ave	+++++ 295551	4020 403491	9367 879679	80016	164695	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloroethane	BCM	Ave	+++++ 137159	+++++ 189494	4474 393174	37153	78435	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopentane	BCM	Ave	+++++ 289687	4641 389073	10480 775231	79680	166431	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoethene(Vinyl Bromide)	BCM	Ave	+++++ 307565	4259 444290	9783 975416	81508	172788	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Trichlorofluoromethane	BCM	Ave	+++++ 840318	11542 1194996	26467 2605167	228433	475936	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Pentane	BCM	Ave	+++++ 446862	+++++ 615761	14910 1281918	125309	257297	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethanol	BCM	Ave	+++++ 125705	+++++ 260442	28123 658598	49922	90684	+++++ 20.0	+++++ 40.0	5.01 100.0	9.99	15.0

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-43091-1 Analy Batch No.: 128414

SDG No.: 200-43091-1

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/12/2018 17:29 Calibration End Date: 04/12/2018 23:23 Calibration ID: 39268

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Ethyl ether	BCM	Ave	+++++ 175980	2231 253143	5567 531266	48090	98519	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrolein	BCM	Ave	+++++ 72256	+++++ 103931	+++++ 193552	13530	49262	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
1,1,2-Trichlorotrifluoroethane	BCM	Ave	+++++ 589497	8002 845557	18865 1835447	151511	322077	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethene	BCM	Ave	896 279117	3907 404536	8784 879678	72974	154393	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetone	BCM	Ave	+++++ 426054	+++++ 557536	+++++ 1140493	159150	249873	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Carbon disulfide	BCM	Ave	+++++ 736563	+++++ 1049041	22892 2278104	196029	410319	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopropyl alcohol	BCM	Ave	+++++ 450793	+++++ 617511	+++++ 1267380	126727	275660	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
3-Chloropropene	BCM	Ave	+++++ 308670	4095 415131	9354 814890	83949	147594	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetonitrile	BCM	Ave	+++++ 196529	+++++ 265384	+++++ 543102	56464	114105	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methylene Chloride	BCM	Ave	+++++ 291457	+++++ 398839	10128 835301	79214	167858	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
tert-Butyl alcohol	BCM	Ave	+++++ 608519	+++++ 852584	+++++ 1804938	165979	357180	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methyl tert-butyl ether	BCM	Ave	+++++ 846025	11113 1200985	25021 2551227	223601	480580	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,2-Dichloroethene	BCM	Ave	+++++ 402559	5467 561254	12888 1197761	108518	226333	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrylonitrile	BCM	Ave	+++++ 188971	+++++ 261685	5830 555970	49128	108159	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Hexane	BCM	Ave	+++++ 404145	5666 563891	12957 1179388	106993	228217	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethane	BCM	Ave	1503 520506	6908 729953	16126 1556763	139384	293024	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Vinyl acetate	BCM	Ave	+++++ 713275	+++++ 965420	+++++ 2004662	190575	410059	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
cis-1,2-Dichloroethene	BCM	Ave	803 343961	4343 494955	10775 1076757	89326	193010	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Ethyl Ketone (2-Butanone)	BCM	Ave	+++++ 159425	+++++ 219103	5330 475631	42850	88891	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethyl acetate	BCM	Ave	+++++ 24000	+++++ 34166	+++++ 73933	6468	13741	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Tetrahydrofuran	DFBZ	Ave	+++++ 347699	+++++ 473875	+++++ 979584	95949	199955	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-43091-1 Analy Batch No.: 128414

SDG No.: 200-43091-1

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/12/2018 17:29 Calibration End Date: 04/12/2018 23:23 Calibration ID: 39268

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Chloroform	BCM	Ave	+++++ 702864	10048 986255	21872 2119261	185908	396014	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cyclohexane	DFBZ	Ave	+++++ 452679	6029 645301	14347 1400728	117107	248048	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,1-Trichloroethane	DFBZ	Ave	+++++ 765276	9767 1076185	22892 2341506	201702	434942	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Carbon tetrachloride	DFBZ	Ave	1859 803168	9932 1167203	25189 2530537	213336	471850	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2,2,4-Trimethylpentane	DFBZ	Ave	+++++ 1681511	22935 2357299	52067 5008072	443920	941840	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzene	DFBZ	Ave	+++++ 1078858	14936 1527277	34252 3319157	283337	600452	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloroethane	DFBZ	Ave	+++++ 483215	6051 666377	15974 1400621	130720	275884	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Heptane	DFBZ	Ave	+++++ 643835	8865 875391	19593 1835666	170895	363074	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butanol	DFBZ	Ave	+++++ 231535	+++++ 317571	+++++ 676292	65677	135675	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Trichloroethene	DFBZ	Ave	1623 515002	7611 735139	16211 1600668	134421	282203	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloropropane	DFBZ	Ave	+++++ 424437	5488 596228	13421 1288207	111467	234477	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl methacrylate	DFBZ	Ave	+++++ 416843	+++++ 596720	13469 1277278	106911	235491	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,4-Dioxane	DFBZ	Ave	+++++ 249062	+++++ 349027	+++++ 741148	65781	147886	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Dibromomethane	DFBZ	Ave	+++++ 592686	8499 866843	18624 1970363	152843	331222	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromodichloromethane	DFBZ	Ave	+++++ 884079	10458 1230155	25866 2629195	219104	488694	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
cis-1,3-Dichloropropene	DFBZ	Ave	+++++ 665106	8470 945418	20040 2046830	174278	371027	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
4-Methyl-2-pentanone (Methyl isobutyl ketone)	DFBZ	Ave	+++++ 893023	+++++ 1235677	29252 2567018	241615	513434	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Toluene	CBNZ d5	Ave	+++++ 890012	11760 1267432	27489 2742318	231738	494850	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Octane	DFBZ	Ave	+++++ 956672	12389 1310676	29079 2726270	259610	547808	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,3-Dichloropropene	DFBZ	Ave	+++++ 683819	13967 960317	22395 2048845	176572	380747	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2-Trichloroethane	CBNZ d5	Ave	+++++ 431052	5814 615243	13217 1332431	111005	243615	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-43091-1 Analy Batch No.: 128414

SDG No.: 200-43091-1

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/12/2018 17:29 Calibration End Date: 04/12/2018 23:23 Calibration ID: 39268

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Tetrachloroethene	CBNZ d5	Ave	2529 890257	12401 1274020	27582 2838218	227942	490467	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Butyl Ketone (2-Hexanone)	CBNZ d5	Ave	+++++ 874889	+++++ 1206455	30943 2478102	234170	501203	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dibromochloromethane	CBNZ d5	Ave	+++++ 1027664	12026 1403728	27897 2989620	221629	547819	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dibromoethane	CBNZ d5	Ave	+++++ 848706	10576 1208885	25213 2623088	218422	468831	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chlorobenzene	CBNZ d5	Ave	+++++ 1291655	17606 1840306	38343 4005521	328384	715788	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Ethylbenzene	CBNZ d5	Ave	+++++ 2032550	25895 2865310	60180 6225711	522134	1123789	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Nonane	CBNZ d5	Ave	+++++ 908371	11677 1262539	27555 2680218	235730	506235	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
m,p-Xylene	CBNZ d5	Ave	+++++ 1671016	21129 2364680	48886 5130134	428892	917425	+++++ 30.0	0.401 40.0	1.00 80.0	9.99	20.0
o-Xylene	CBNZ d5	Ave	+++++ 829053	10821 1158667	24621 2518584	212302	458309	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Styrene	CBNZ d5	Ave	+++++ 1302201	16205 1833853	35919 3944431	322019	720982	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoform	CBNZ d5	Ave	+++++ 1120908	11124 1455653	24470 2850406	165502	566852	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cumene	CBNZ d5	Ave	+++++ 2400829	30845 3384429	69831 7271421	609836	1326104	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2,2-Tetrachloroethane	CBNZ d5	Ave	+++++ 1167071	15096 1637893	34974 3413364	297635	650661	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Propylbenzene	CBNZ d5	Ave	+++++ 2869959	36039 4034611	83511 8323146	730773	1588577	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichloropropane	CBNZ d5	Ave	+++++ 901999	+++++ 1270537	29095 2585356	232011	503588	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Decane	CBNZ d5	Ave	+++++ 1146677	+++++ 1553526	33101 3006210	310492	672036	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
4-Ethyltoluene	CBNZ d5	Ave	+++++ 2452627	30908 3409440	70309 6835309	619737	1351356	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2-Chlorotoluene	CBNZ d5	Ave	+++++ 1985915	26223 2765483	56561 5624175	501677	1097144	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3,5-Trimethylbenzene	CBNZ d5	Ave	+++++ 2002623	25869 2768941	58124 5679391	517937	1125090	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Alpha Methyl Styrene	CBNZ d5	Ave	+++++ 1049374	13299 1451311	29163 2942436	260784	587538	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
tert-Butylbenzene	CBNZ d5	Ave	+++++ 1957355	25416 2666233	57421 5547970	506436	1106590	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-43091-1 Analy Batch No.: 128414

SDG No.: 200-43091-1

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/12/2018 17:29 Calibration End Date: 04/12/2018 23:23 Calibration ID: 39268

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,2,4-Trimethylbenzene	CBNZ d5	Ave	+++++ 1992092	25269 2734508	58309 5685599	517789	1127402	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
sec-Butylbenzene	CBNZ d5	Ave	+++++ 2862905	37376 3915057	82594 8258327	757605	1638314	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
4-Isopropyltoluene	CBNZ d5	Ave	+++++ 2394095	32375 3333203	70333 7436244	652975	1436684	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Dichlorobenzene	CBNZ d5	Ave	+++++ 1531532	21179 2111323	44230 4316366	387060	861373	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,4-Dichlorobenzene	CBNZ d5	Ave	+++++ 1530008	23104 2076405	45310 4297351	388579	863330	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzyl chloride	CBNZ d5	Ave	+++++ 1621739	21706 2229759	48148 4460912	382651	975154	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butylbenzene	CBNZ d5	Ave	+++++ 2043595	29981 2929251	62888 6527850	577070	1251096	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Undecane	CBNZ d5	Ave	+++++ 1068770	+++++ 1564109	+++++ 3302557	302543	598874	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
1,2-Dichlorobenzene	CBNZ d5	Ave	+++++ 1391358	20575 1893620	42489 4063474	365213	807828	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Dodecane	CBNZ d5	Ave	+++++ 722659	+++++ 1137211	+++++ 1806393	198483	470675	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
1,2,4-Trichlorobenzene	CBNZ d5	Ave	+++++ 1103435	+++++ 1694923	35011 3027658	244735	586862	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Hexachlorobutadiene	CBNZ d5	Ave	+++++ 1108618	16006 1601213	31270 3076171	284342	605112	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Naphthalene	CBNZ d5	Ave	+++++ 2184000	+++++ 3416470	84759 5641107	460595	1201867	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichlorobenzene	CBNZ d5	Ave	+++++ 978093	+++++ 1509470	28926 2441828	220069	553197	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00

Curve Type Legend:
Ave = Average ISTD

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180412-30075.b\30075_04.D
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 12-Apr-2018 17:29:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0030075-004
Operator ID: pad Instrument ID: CHX.i
Sublist: chrom-TO15_MasterMethod_X.m*sub1

Method: \\ChromNA\Burlington\ChromData\CHX.i\20180412-30075.b\TO15_MasterMethod_X.m.m
Limit Group: AI_TO15_ICAL
Last Update: 13-Apr-2018 09:12:48 Calib Date: 12-Apr-2018 23:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHX.i\20180412-30075.b\30075_11.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK030

First Level Reviewer: daiglep Date: 13-Apr-2018 08:45:29

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	3.055	3.044	0.010	55	884	0.0351	0.0613	
2 Dichlorodifluoromethane	85	3.113	3.108	0.005	93	2046	0.0351	0.0349	
3 Chlorodifluoromethane	51	3.162	3.156	0.006	30	1123	0.0351	0.0353	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.359	3.354	0.005	85	1975	0.0351	0.0342	
5 Chloromethane	50	3.499	3.488	0.011	6	685	0.0351	0.0380	
6 Butane	43	3.680	3.664	0.016	27	1301	0.0351	0.0416	
7 Vinyl chloride	62	3.723	3.713	0.010	19	710	0.0351	0.0329	M
8 Butadiene	54	3.782	3.782	0.000	21	642	0.0351	0.0389	
10 Bromomethane	94	4.419	4.413	0.006	29	846	0.0351	0.0383	
11 Chloroethane	64		4.633				ND	ND	
12 2-Methylbutane	43	4.692	4.697	-0.005	45	1172	0.0351	0.0521	
13 Vinyl bromide	106	5.007	4.996	0.011	81	806	0.0351	0.0344	
14 Trichlorofluoromethane	101	5.082	5.093	-0.011	18	470	0.0351	0.007370	
16 Pentane	43	5.221	5.221	0.000	57	1183	0.0351	0.0349	
17 Ethanol	45	5.665	5.638	0.027	93	3162	0.0702	0.4487	
18 Ethyl ether	59		5.713				ND	ND	
19 Acrolein	56	6.136	6.104	0.032	1	562	0.0351	0.1087	
20 1,1,2-Trichloro-1,2,2-trif	101	6.098	6.109	-0.011	35	1800	0.0351	0.0406	
21 1,1-Dichloroethene	96	6.168	6.163	0.005	9	896	0.0351	0.0413	M
22 Acetone	43	6.446	6.403	0.043	98	4776	0.0351	0.1442	
23 Carbon disulfide	76	6.553	6.548	0.005	94	1832	0.0351	0.0331	
24 Isopropyl alcohol	45	6.740	6.687	0.053	98	5212	0.0351	0.1548	
25 3-Chloro-1-propene	41	6.928	6.933	-0.005	1	706	0.0351	0.0321	
26 Acetonitrile	41	7.110	7.083	0.027	56	723	0.0351	0.0499	
27 Methylene Chloride	49	7.233	7.227	0.006	41	816	0.0351	0.0369	
28 2-Methyl-2-propanol	59	7.522	7.452	0.070	1	1556	0.0351	0.0343	
29 Methyl tert-butyl ether	73	7.687	7.623	0.064	24	2009	0.0351	0.0320	
31 trans-1,2-Dichloroethene	61	7.666	7.661	0.005	9	918	0.0351	0.0303	
32 Acrylonitrile	53	7.832	7.826	0.006	1	57	0.0351	0.004071	
33 Hexane	57	8.024	8.035	-0.011	40	632	0.0351	0.0208	
34 1,1-Dichloroethane	63	8.533	8.538	-0.005	0	1503	0.0351	0.0382	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
35 Vinyl acetate	43	8.629	8.618	0.011	62	1712	0.0351	0.0330	
S 30 1,2-Dichloroethene, Total	61				0		0.0702	0.0621	
37 cis-1,2-Dichloroethene	96	9.683	9.677	0.006	12	803	0.0351	0.0317	M
38 2-Butanone (MEK)	72	9.779	9.742	0.037	71	624	0.0351	0.0520	
39 Ethyl acetate	88		9.774				ND	ND	
* 40 Chlorobromomethane	128	10.159	10.164	-0.005	78	267490	10.0	10.0	
41 Tetrahydrofuran	42	10.234	10.170	0.064	22	1112	0.0351	0.0431	
42 Chloroform	83	10.298	10.298	0.000	4	888	0.0351	0.0167	
43 Cyclohexane	84	10.539	10.533	0.006	20	267	0.0351	0.007845	
44 1,1,1-Trichloroethane	97	10.587	10.582	0.005	2	764	0.0351	0.0134	
45 Carbon tetrachloride	117	10.822	10.838	-0.016	29	1859	0.0351	0.0311	
46 Isooctane	57	11.293	11.288	0.005	86	4840	0.0351	0.0384	
47 Benzene	78	11.347	11.336	0.011	84	1145	0.0351	0.0140	
48 1,2-Dichloroethane	62		11.539				ND	ND	
49 n-Heptane	43	11.705	11.700	0.005	53	1687	0.0351	0.0353	
* 50 1,4-Difluorobenzene	114	12.235	12.235	0.000	93	1392868	10.0	10.0	
52 n-Butanol	56	12.737	12.689	0.048	77	2221	0.0351	0.1271	
53 Trichloroethene	95	12.721	12.727	-0.006	92	1623	0.0351	0.0404	M
A 51 GRO	1	13.198	(4.687-21.708)		0	5149868	0.0351	0	
54 1,2-Dichloropropane	63		13.326				ND	ND	
55 Methyl methacrylate	69	13.513	13.513	0.000	7	1572	0.0351	0.0498	
56 1,4-Dioxane	88	13.626	13.572	0.054	19	762	0.0351	0.0407	
57 Dibromomethane	174	13.588	13.599	-0.011	42	1413	0.0351	0.0309	
58 Dichlorobromomethane	83	13.920	13.914	0.006	1	995	0.0351	0.0156	
60 cis-1,3-Dichloropropene	75	14.899	14.893	0.006	1	550	0.0351	0.0111	
A 59 TVOC as Toluene	92	15.102	(3.034-27.170)		0	5757925	0.0351	0	
61 4-Methyl-2-pentanone (MIBK	43	15.236	15.204	0.032	87	4888	0.0351	0.0723	
65 Toluene	92	15.498	15.503	-0.005	25	2048	0.0351	0.0319	
64 n-Octane	43	15.567	15.557	0.010	85	2653	0.0351	0.0374	
66 trans-1,3-Dichloropropene	75	16.145	16.145	0.000	44	2991	0.0351	0.0541	
67 1,1,2-Trichloroethane	83	16.536	16.541	-0.005	17	534	0.0351	0.0171	
68 Tetrachloroethene	166	16.637	16.632	0.005	58	2529	0.0351	0.0384	M
69 2-Hexanone	43	17.044	17.017	0.027	96	8444	0.0351	0.1321	
71 Chlorodibromomethane	129	17.338	17.338	0.000	12	907	0.0351	0.0132	
72 Ethylene Dibromide	107	17.616	17.616	0.000	26	1729	0.0351	0.0287	
* 74 Chlorobenzene-d5	117	18.563	18.563	0.000	84	1254244	10.0	10.0	
75 Chlorobenzene	112	18.617	18.628	-0.011	81	3961	0.0351	0.0426	
76 Ethylbenzene	91	18.793	18.793	0.000	93	3126	0.0351	0.0216	
77 n-Nonane	57	18.927	18.927	0.000	84	2460	0.0351	0.0381	
78 m-Xylene & p-Xylene	106	19.061	19.061	0.000	0	2658	0.0702	0.0449	
S 73 Xylenes, Total	106				0		0.1052	0.0662	
79 o-Xylene	106	19.954	19.954	0.000	7	1256	0.0351	0.0213	
80 Styrene	104	20.024	20.013	0.011	95	1528	0.0351	0.0168	
81 Bromoform	173	20.479	20.484	-0.006	26	2353	0.0351	0.0358	
82 Isopropylbenzene	105	20.709	20.714	-0.005	94	6185	0.0351	0.0364	
84 1,1,2,2-Tetrachloroethane	83	21.436	21.441	-0.005	94	3408	0.0351	0.0412	
85 N-Propylbenzene	91	21.506	21.500	0.006	80	7296	0.0351	0.0363	
86 1,2,3-Trichloropropane	75	21.538	21.543	-0.005	49	2676	0.0351	0.0415	
87 n-Decane	57	21.698	21.698	0.000	55	1845	0.0351	0.0230	
88 4-Ethyltoluene	105	21.704	21.709	-0.005	89	6710	0.0351	0.0394	
89 2-Chlorotoluene	91	21.709	21.714	-0.005	88	5652	0.0351	0.0407	
90 1,3,5-Trimethylbenzene	105	21.821	21.821	0.000	96	5478	0.0351	0.0389	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
91 Alpha Methyl Styrene	118	22.223	22.217	0.005	90	2694	0.0351	0.0371	
92 tert-Butylbenzene	119	22.346	22.346	0.000	97	5263	0.0351	0.0382	
93 1,2,4-Trimethylbenzene	105	22.447	22.447	0.000	95	5697	0.0351	0.0407	
94 sec-Butylbenzene	105	22.688	22.688	0.000	97	7436	0.0351	0.0367	
95 4-Isopropyltoluene	119	22.902	22.902	0.000	96	6541	0.0351	0.0374	
96 1,3-Dichlorobenzene	146	22.929	22.929	0.000	93	5097	0.0351	0.0471	
97 1,4-Dichlorobenzene	146	23.073	23.073	0.000	94	5541	0.0351	0.0504	
98 Benzyl chloride	91	23.287	23.282	0.005	98	4695	0.0351	0.0411	
100 n-Butylbenzene	91	23.496	23.496	0.000	97	6804	0.0351	0.0440	
99 Undecane	57	23.528	23.528	0.000	90	3048	0.0351	0.0390	
101 1,2-Dichlorobenzene	146	23.619	23.624	-0.005	91	5424	0.0351	0.0535	
102 Dodecane	57	25.149	25.149	0.000	94	3024	0.0351	0.0570	
103 1,2,4-Trichlorobenzene	180	26.192	26.187	0.005	90	5543	0.0351	0.0720	
104 Hexachlorobutadiene	225	26.374	26.374	0.000	91	4008	0.0351	0.0509	
105 Naphthalene	128	26.684	26.684	0.000	99	15094	0.0351	0.0958	
106 1,2,3-Trichlorobenzene	180	27.166	27.160	0.006	91	5312	0.0351	0.0789	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

ATTO15CAL1w_00190	Amount Added: 35.00	Units: mL	
ATTO15XISs_00002	Amount Added: 20.00	Units: mL	Run Reagent

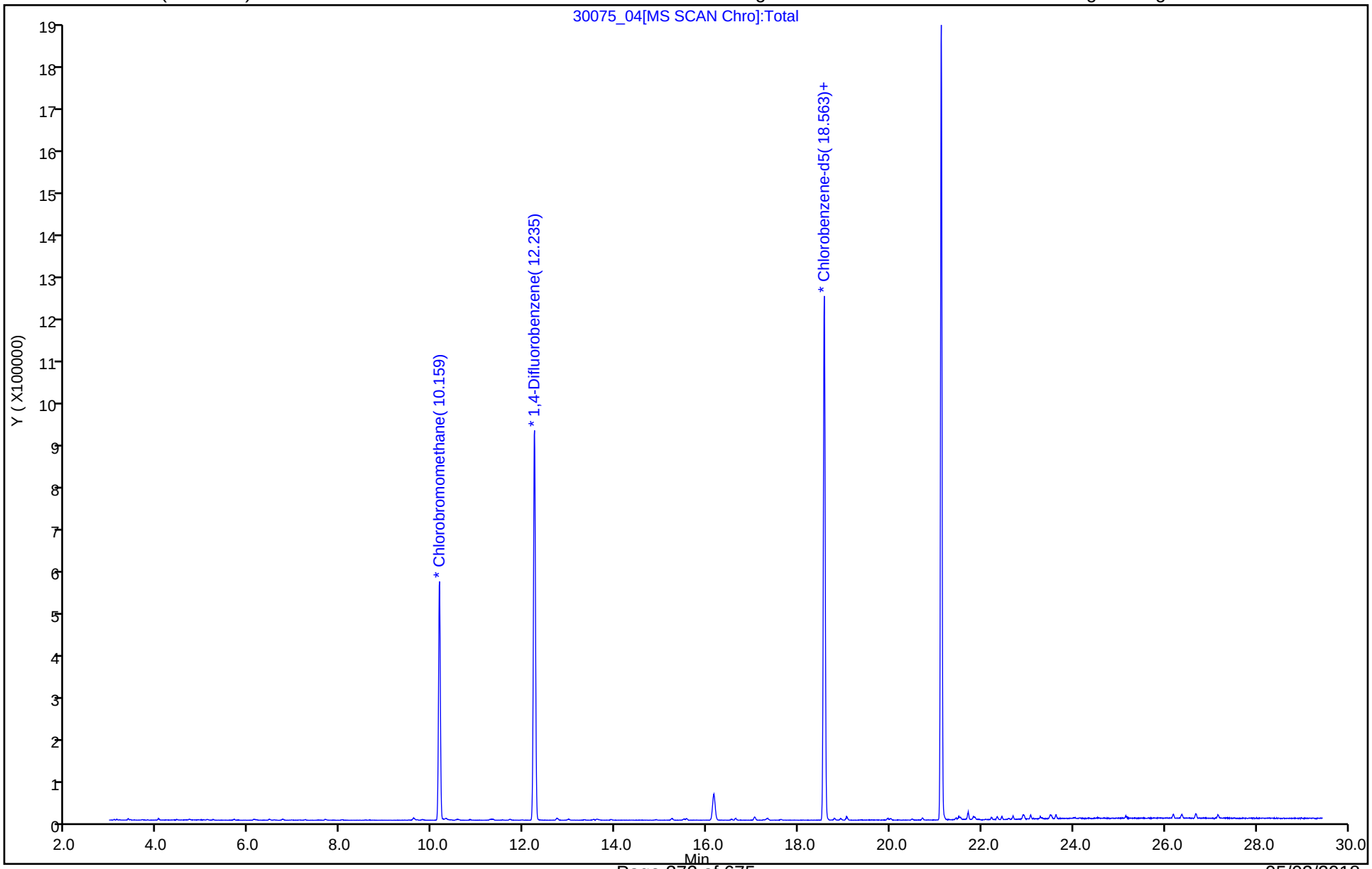
Report Date: 13-Apr-2018 09:12:49 Chrom Revision: 2.2 13-Mar-2018 08:45:20

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180412-30075.b\30075_04.D

Injection Date:	12-Apr-2018 17:29:30	Instrument ID:	CHX.i	Operator ID:	pad
Lims ID:	ic			Worklist Smp#:	4
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

TestAmerica Burlington

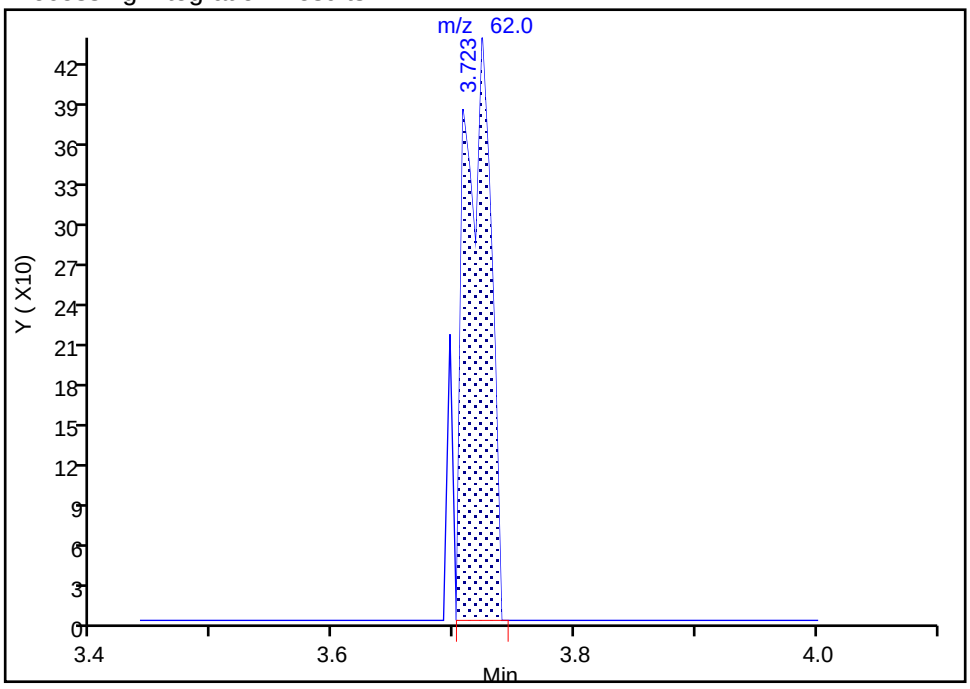
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20180412-30075.b\30075_04.D				
Injection Date:	12-Apr-2018 17:29:30	Instrument ID:	CHX.i		
Lims ID:	ic				
Client ID:					
Operator ID:	pad	ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

7 Vinyl chloride, CAS: 75-01-4

Signal: 1

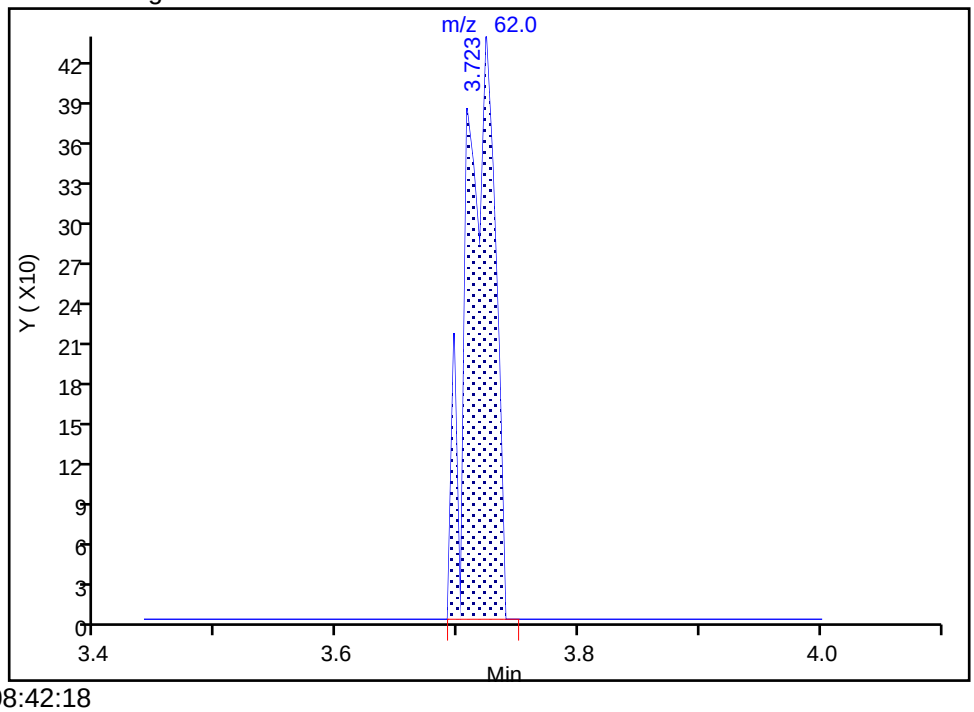
Processing Integration Results

RT: 3.72
Area: 641
Amount: 0.031271
Amount Units: ppb v/v



Manual Integration Results

RT: 3.72
Area: 710
Amount: 0.032939
Amount Units: ppb v/v



Reviewer: daiglep, 13-Apr-2018 08:42:18

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Burlington

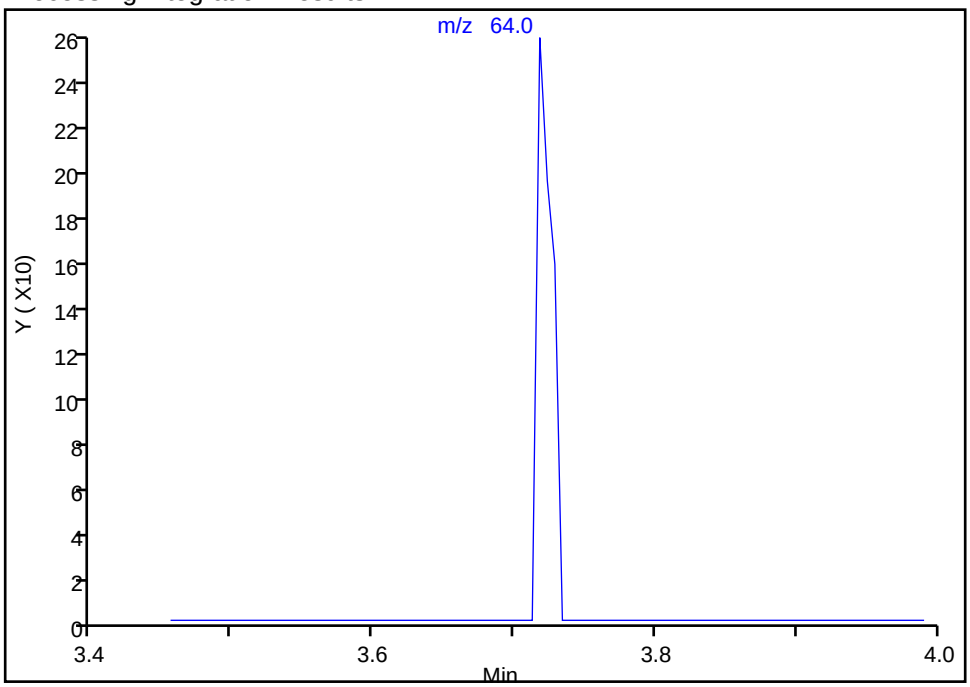
Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180412-30075.b\30075_04.D
Injection Date: 12-Apr-2018 17:29:30 Instrument ID: CHX.i
Lims ID: ic
Client ID:
Operator ID: pad ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_X.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

7 Vinyl chloride, CAS: 75-01-4

Signal: 2

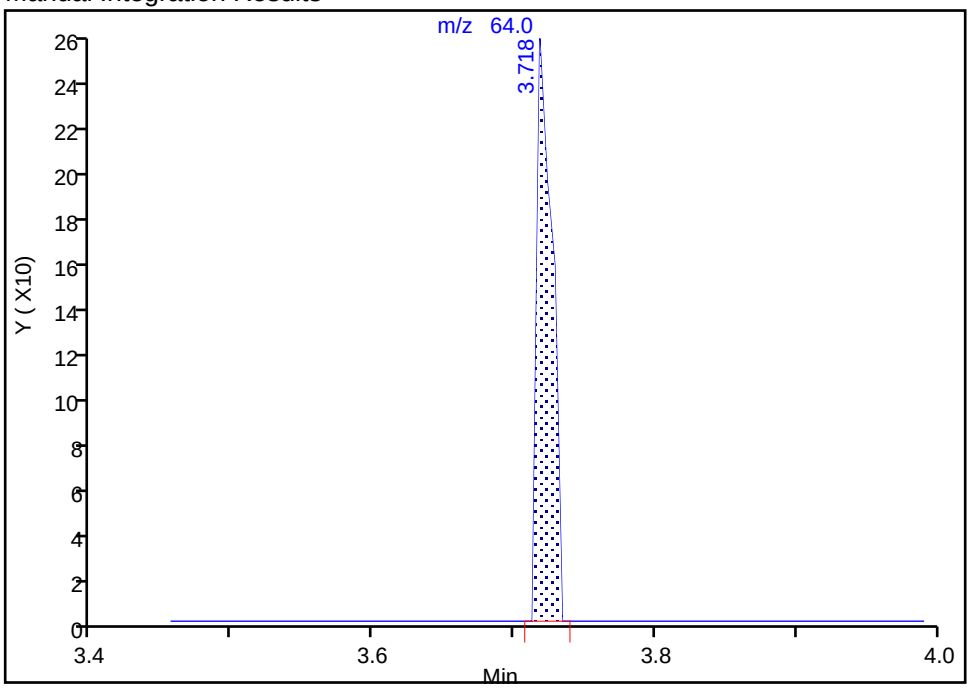
Processing Integration Results

RT: 3.71
Area: 0
Amount: 0.031271
Amount Units: ppb v/v



Manual Integration Results

RT: 3.72
Area: 191
Amount: 0.032939
Amount Units: ppb v/v



Reviewer: daiglep, 13-Apr-2018 08:42:20
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Burlington

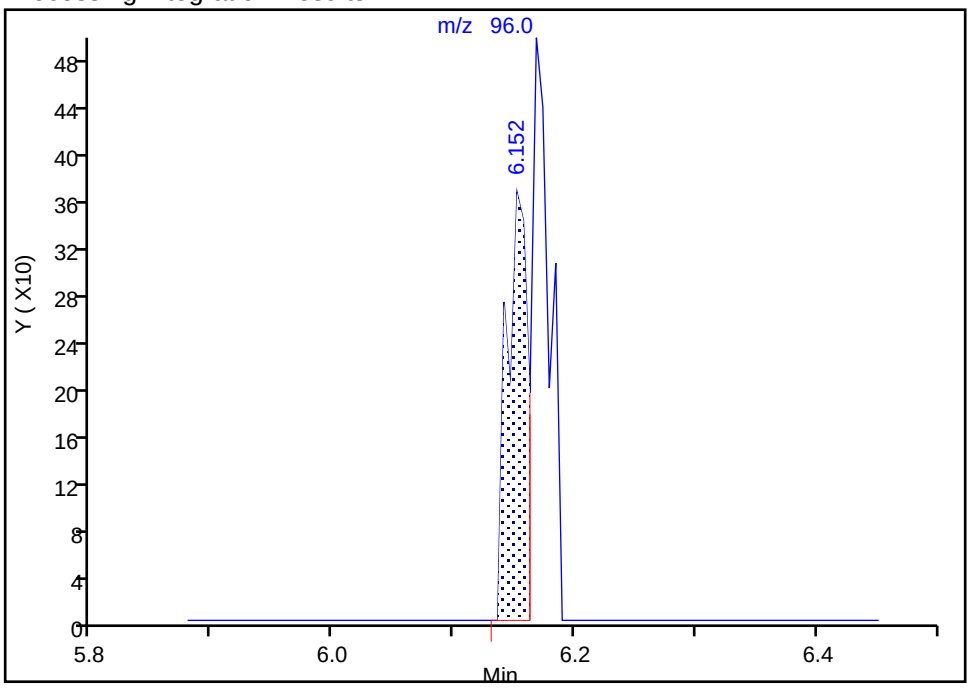
Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180412-30075.b\30075_04.D
Injection Date: 12-Apr-2018 17:29:30 Instrument ID: CHX.i
Lims ID: ic
Client ID:
Operator ID: pad ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_X.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

21 1,1-Dichloroethene, CAS: 75-35-4

Signal: 1

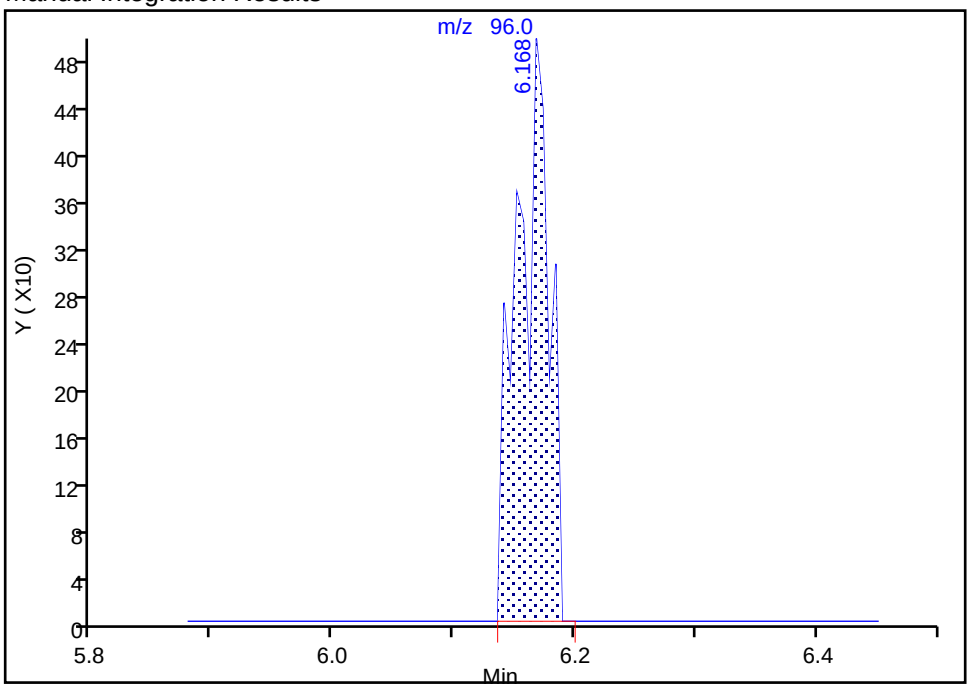
Processing Integration Results

RT: 6.15
Area: 438
Amount: 0.022679
Amount Units: ppb v/v



Manual Integration Results

RT: 6.17
Area: 896
Amount: 0.041275
Amount Units: ppb v/v



Reviewer: daiglep, 13-Apr-2018 08:42:37
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Burlington

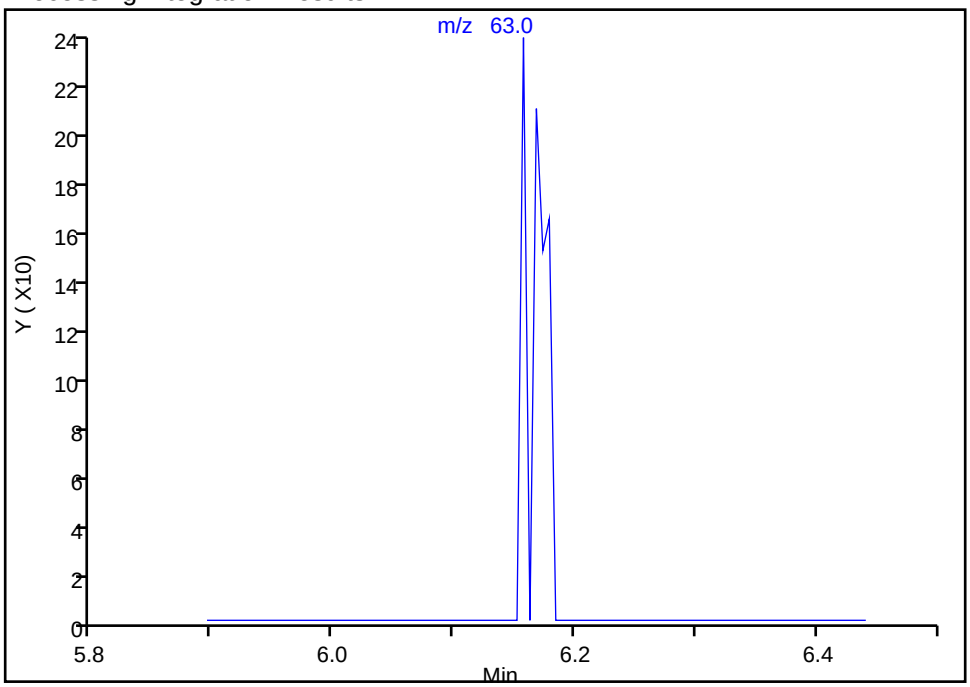
Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180412-30075.b\30075_04.D
Injection Date: 12-Apr-2018 17:29:30 Instrument ID: CHX.i
Lims ID: ic
Client ID:
Operator ID: pad ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_X.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

21 1,1-Dichloroethene, CAS: 75-35-4

Signal: 3

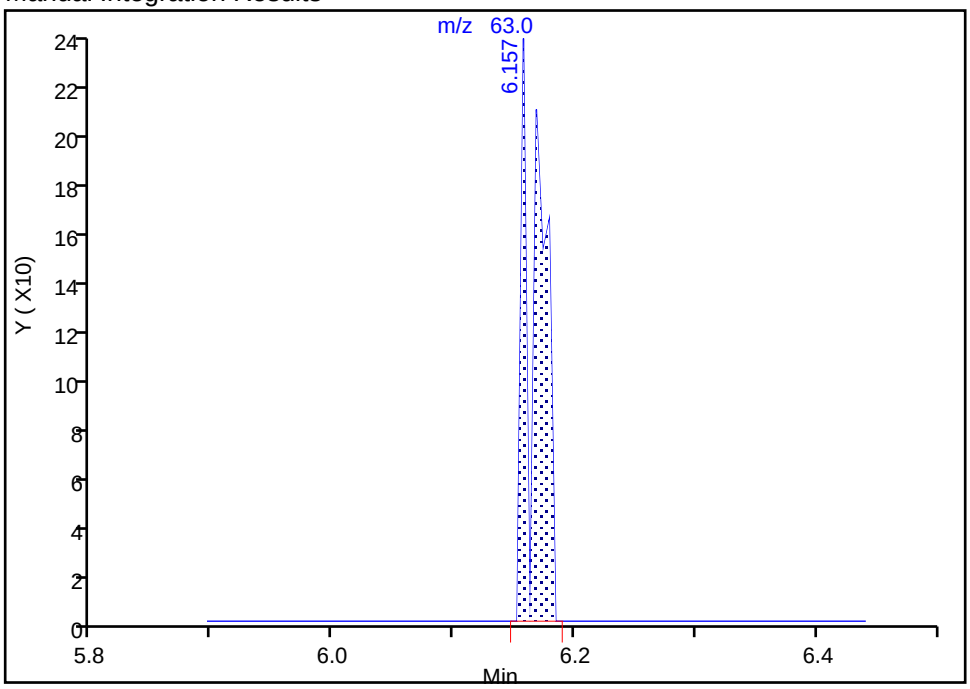
Processing Integration Results

RT: 6.16
Area: 0
Amount: 0.022679
Amount Units: ppb v/v



Manual Integration Results

RT: 6.16
Area: 245
Amount: 0.041275
Amount Units: ppb v/v



Reviewer: daiglep, 13-Apr-2018 08:42:40
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Burlington

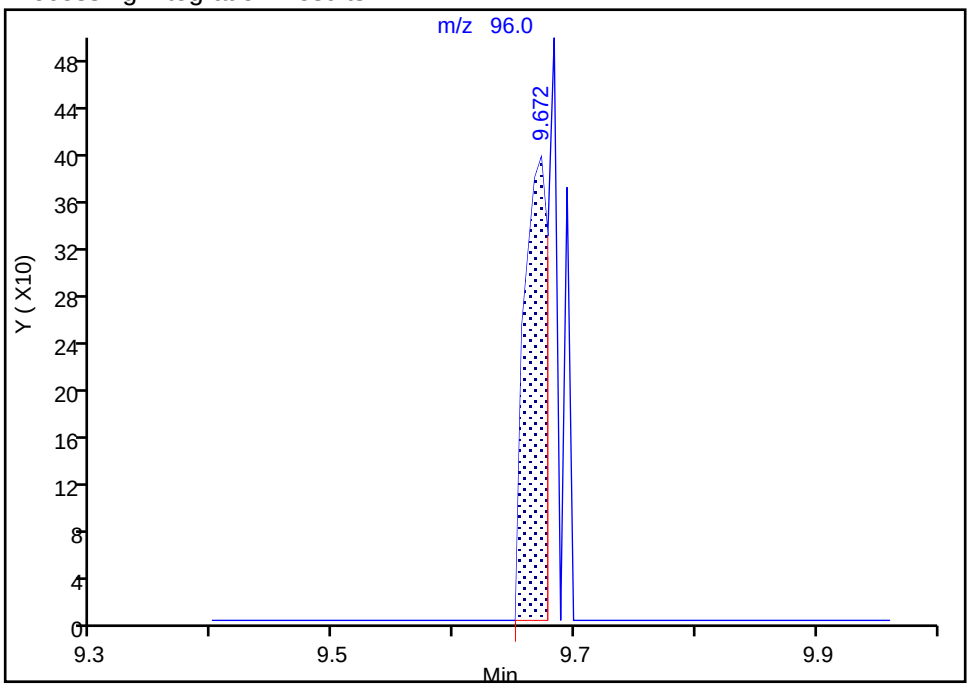
Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180412-30075.b\30075_04.D
Injection Date: 12-Apr-2018 17:29:30 Instrument ID: CHX.i
Lims ID: ic
Client ID:
Operator ID: pad ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_X.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

37 cis-1,2-Dichloroethene, CAS: 156-59-2

Signal: 1

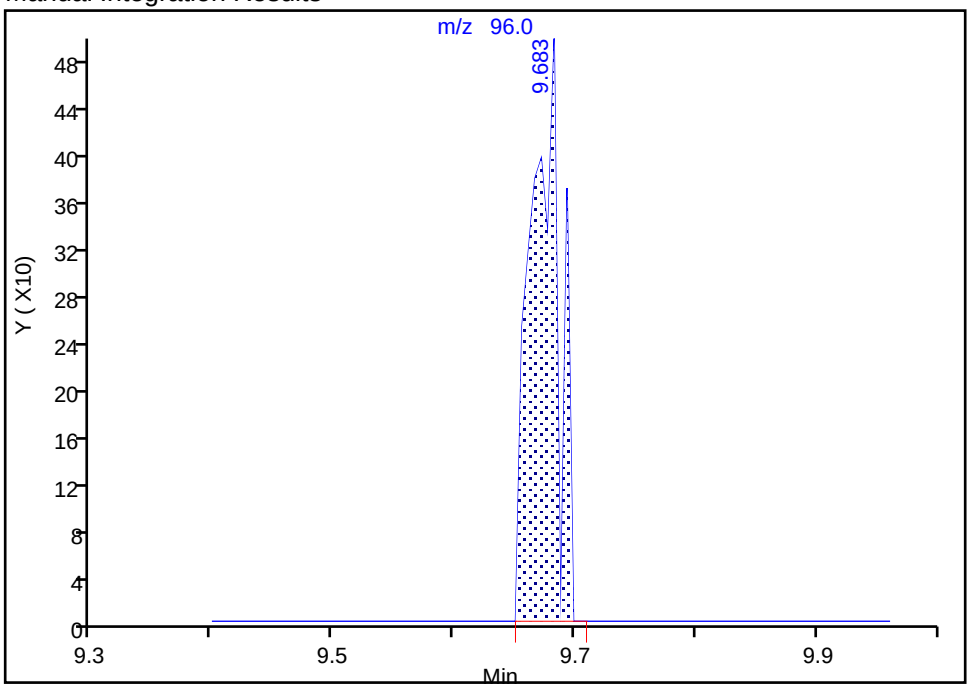
Processing Integration Results

RT: 9.67
Area: 529
Amount: 0.022283
Amount Units: ppb v/v



Manual Integration Results

RT: 9.68
Area: 803
Amount: 0.031723
Amount Units: ppb v/v



Reviewer: daiglep, 13-Apr-2018 08:44:28
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Burlington

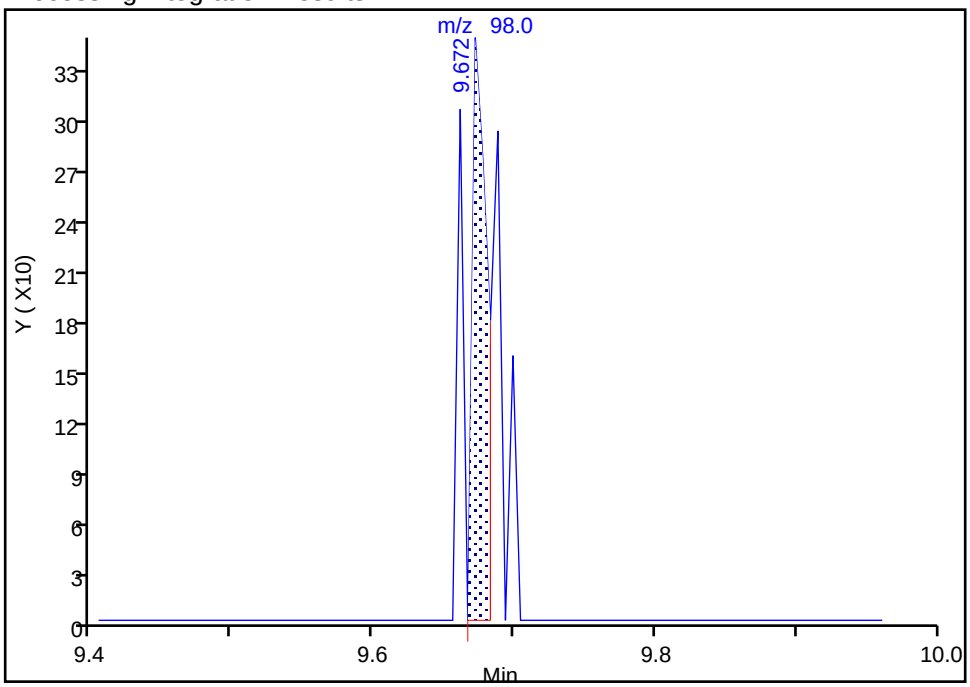
Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180412-30075.b\30075_04.D
Injection Date: 12-Apr-2018 17:29:30 Instrument ID: CHX.i
Lims ID: ic
Client ID:
Operator ID: pad ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_X.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

37 cis-1,2-Dichloroethene, CAS: 156-59-2

Signal: 2

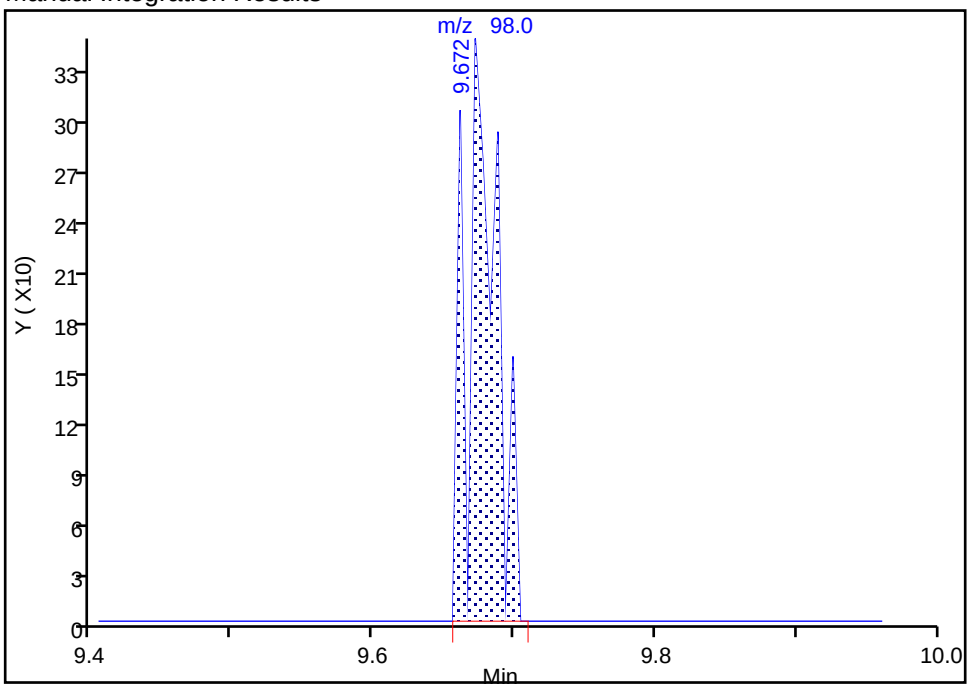
Processing Integration Results

RT: 9.67
Area: 259
Amount: 0.022283
Amount Units: ppb v/v



Manual Integration Results

RT: 9.67
Area: 503
Amount: 0.031723
Amount Units: ppb v/v



Reviewer: daiglep, 13-Apr-2018 08:44:31
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Burlington

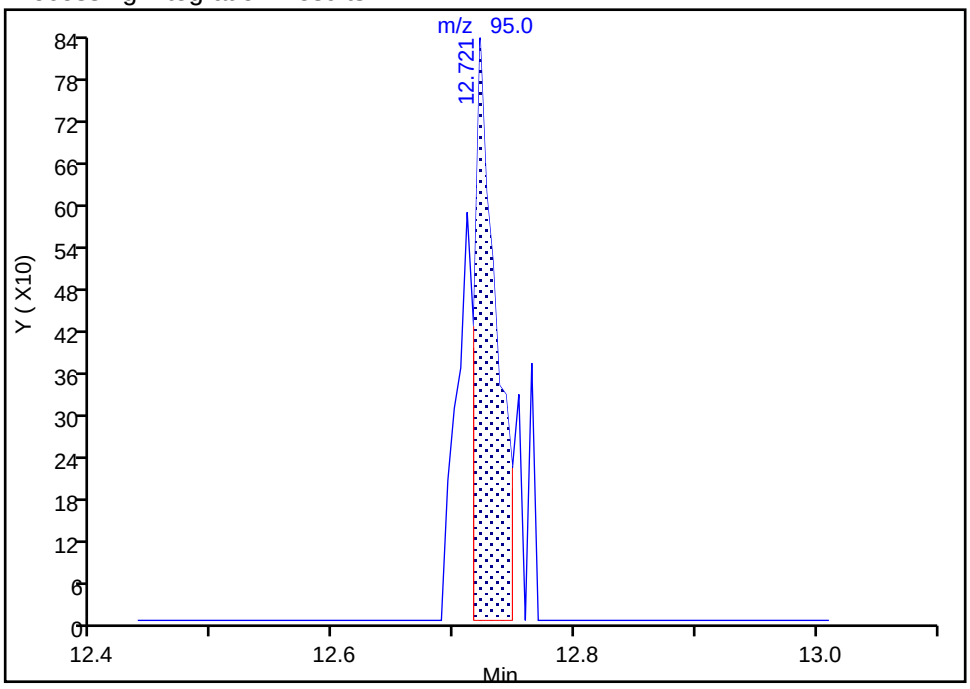
Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180412-30075.b\30075_04.D
Injection Date: 12-Apr-2018 17:29:30 Instrument ID: CHX.i
Lims ID: ic
Client ID:
Operator ID: pad ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_X.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

53 Trichloroethene, CAS: 79-01-6

Signal: 1

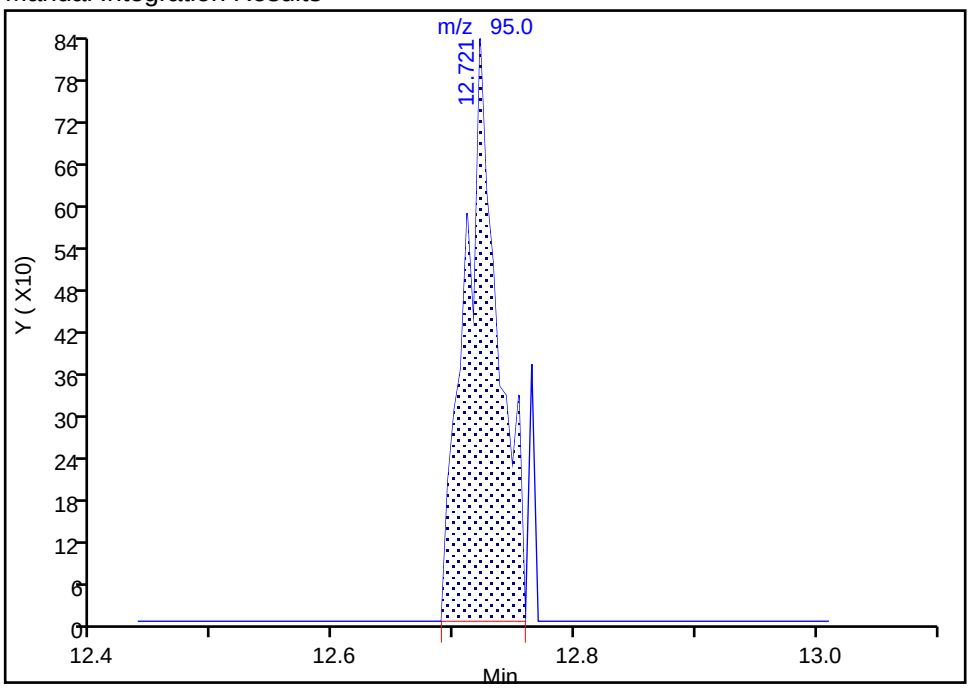
Processing Integration Results

RT: 12.72
Area: 1051
Amount: 0.028283
Amount Units: ppb v/v



Manual Integration Results

RT: 12.72
Area: 1623
Amount: 0.040352
Amount Units: ppb v/v



Reviewer: daiglep, 13-Apr-2018 08:43:31
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Burlington

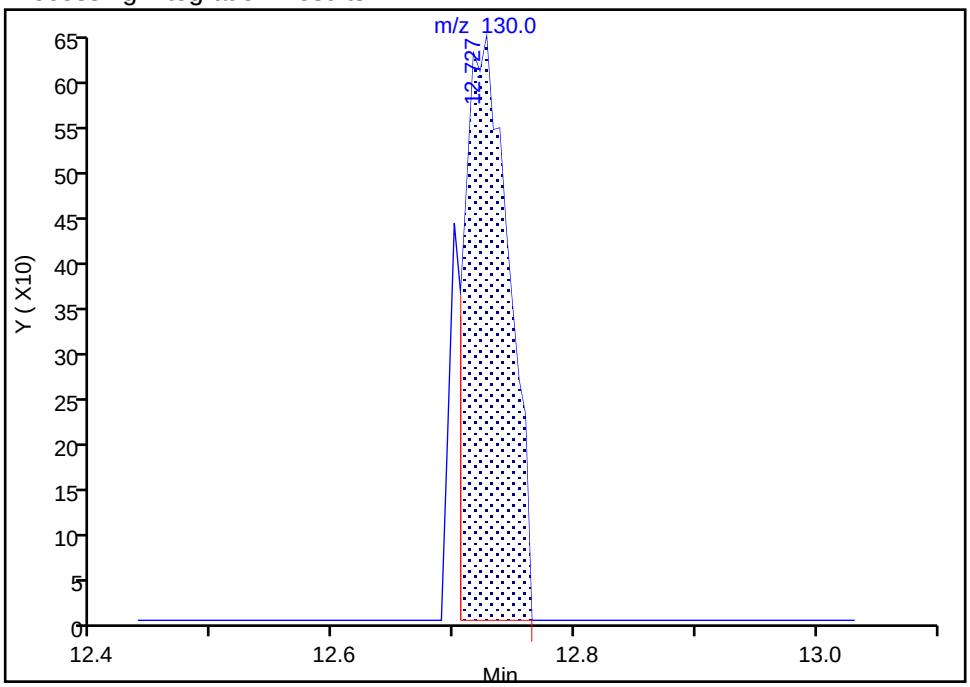
Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180412-30075.b\30075_04.D
Injection Date: 12-Apr-2018 17:29:30 Instrument ID: CHX.i
Lims ID: ic
Client ID:
Operator ID: pad ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_X.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

53 Trichloroethene, CAS: 79-01-6

Signal: 2

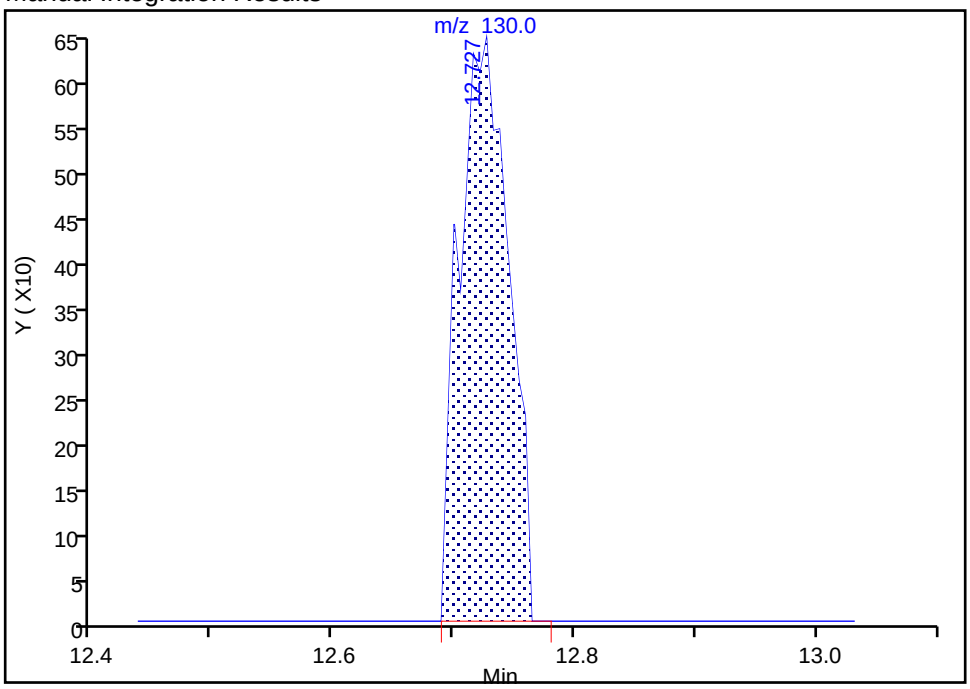
Processing Integration Results

RT: 12.73
Area: 1631
Amount: 0.028283
Amount Units: ppb v/v



Manual Integration Results

RT: 12.73
Area: 1840
Amount: 0.040352
Amount Units: ppb v/v



Reviewer: daiglep, 13-Apr-2018 08:43:34
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Burlington

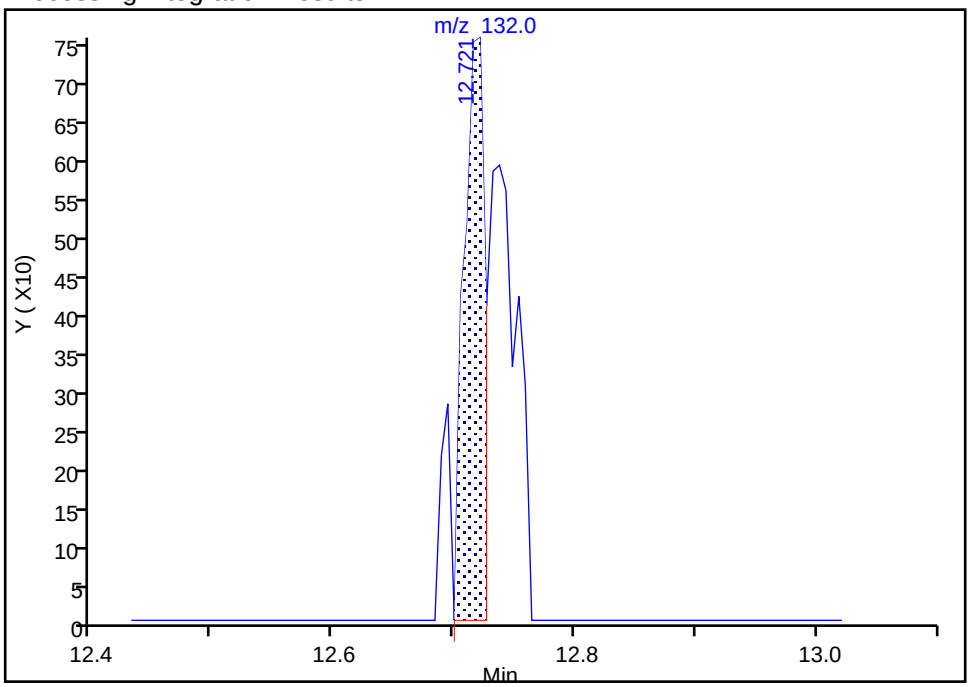
Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180412-30075.b\30075_04.D
Injection Date: 12-Apr-2018 17:29:30 Instrument ID: CHX.i
Lims ID: ic
Client ID:
Operator ID: pad ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_X.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

53 Trichloroethene, CAS: 79-01-6

Signal: 3

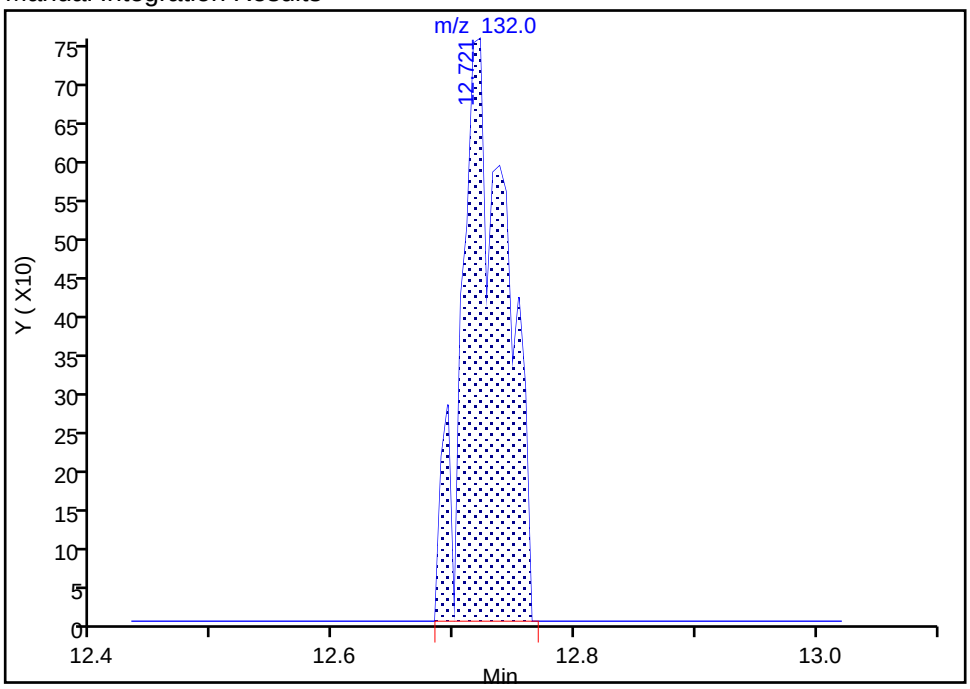
Processing Integration Results

RT: 12.72
Area: 917
Amount: 0.028283
Amount Units: ppb v/v



Manual Integration Results

RT: 12.72
Area: 1975
Amount: 0.040352
Amount Units: ppb v/v



Reviewer: daiglep, 13-Apr-2018 08:43:38
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Burlington

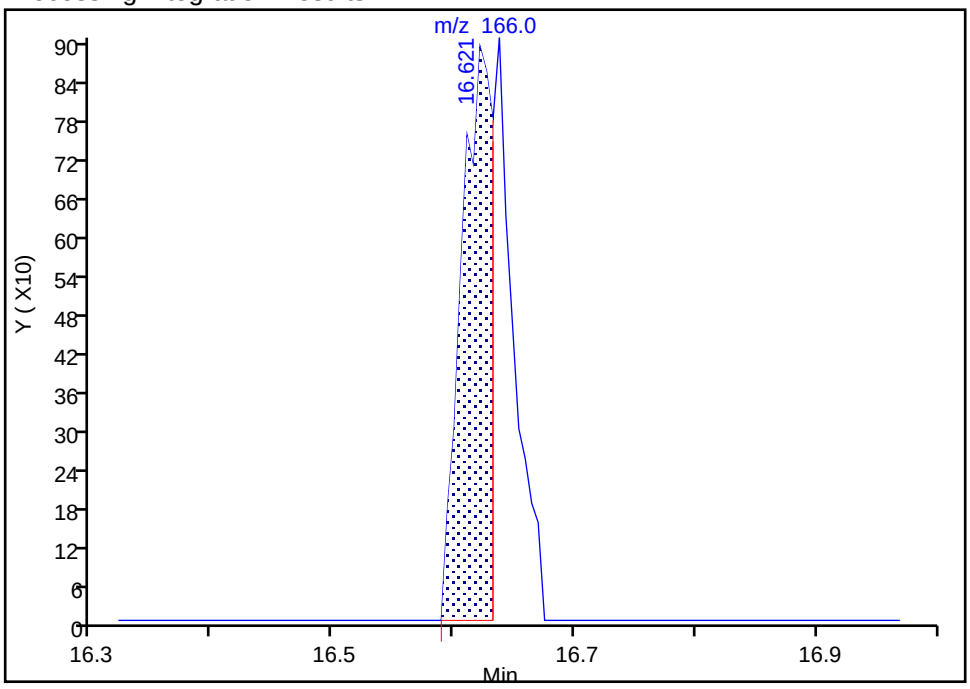
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20180412-30075.b\30075_04.D				
Injection Date:	12-Apr-2018 17:29:30	Instrument ID:	CHX.i		
Lims ID:	ic				
Client ID:					
Operator ID:	pad	ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

68 Tetrachloroethene, CAS: 127-18-4

Signal: 1

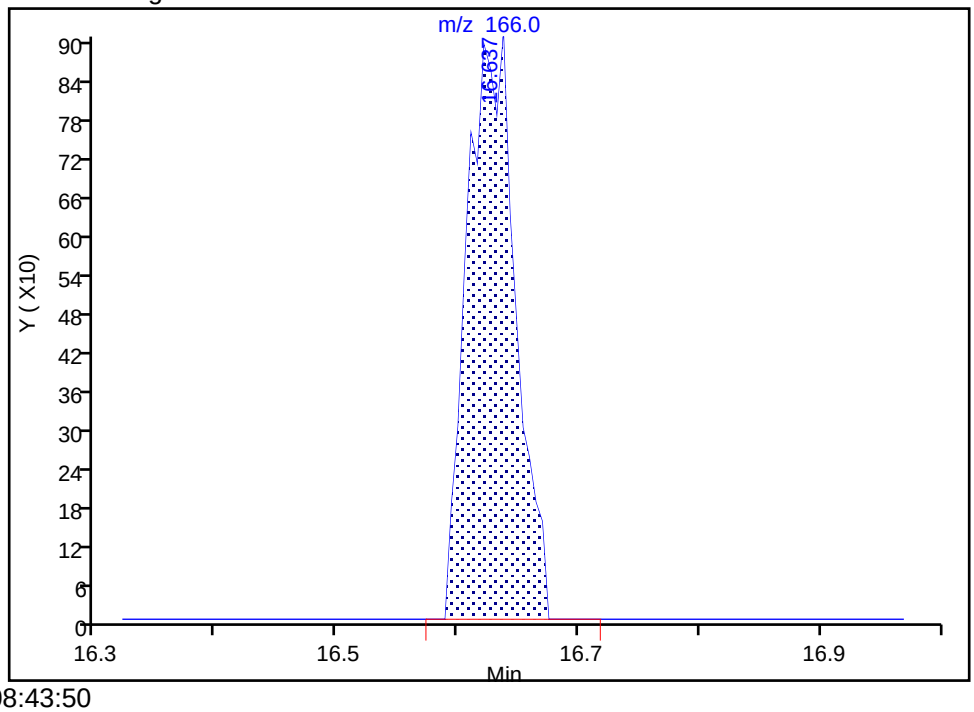
Processing Integration Results

RT: 16.62
Area: 1604
Amount: 0.026258
Amount Units: ppb v/v



Manual Integration Results

RT: 16.64
Area: 2529
Amount: 0.038405
Amount Units: ppb v/v



Reviewer: daiglep, 13-Apr-2018 08:43:50

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Burlington

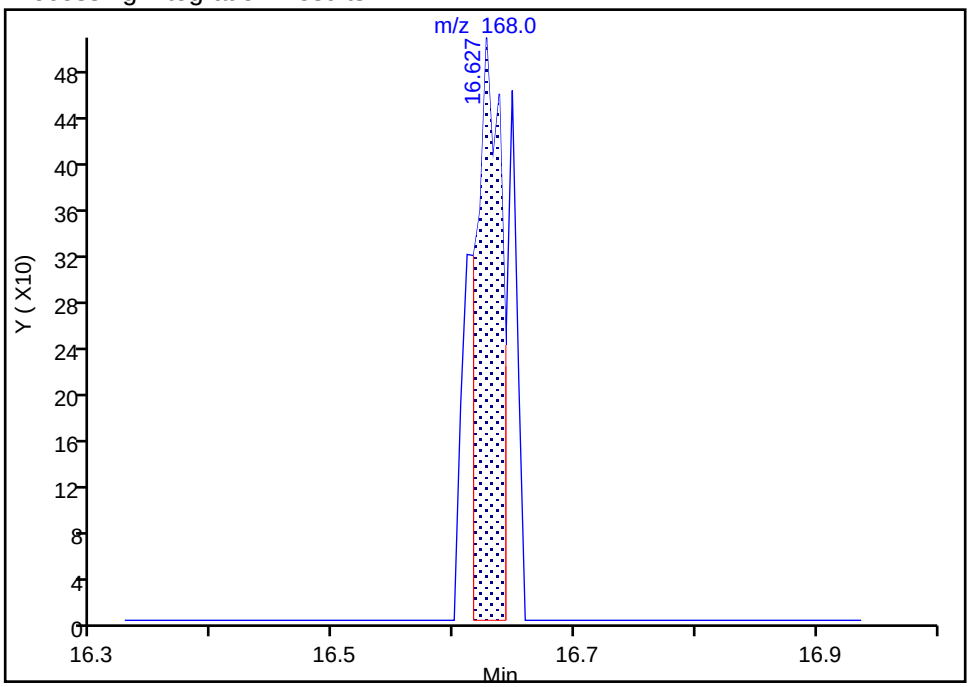
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20180412-30075.b\30075_04.D				
Injection Date:	12-Apr-2018 17:29:30	Instrument ID:	CHX.i		
Lims ID:	ic				
Client ID:					
Operator ID:	pad	ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

68 Tetrachloroethene, CAS: 127-18-4

Signal: 2

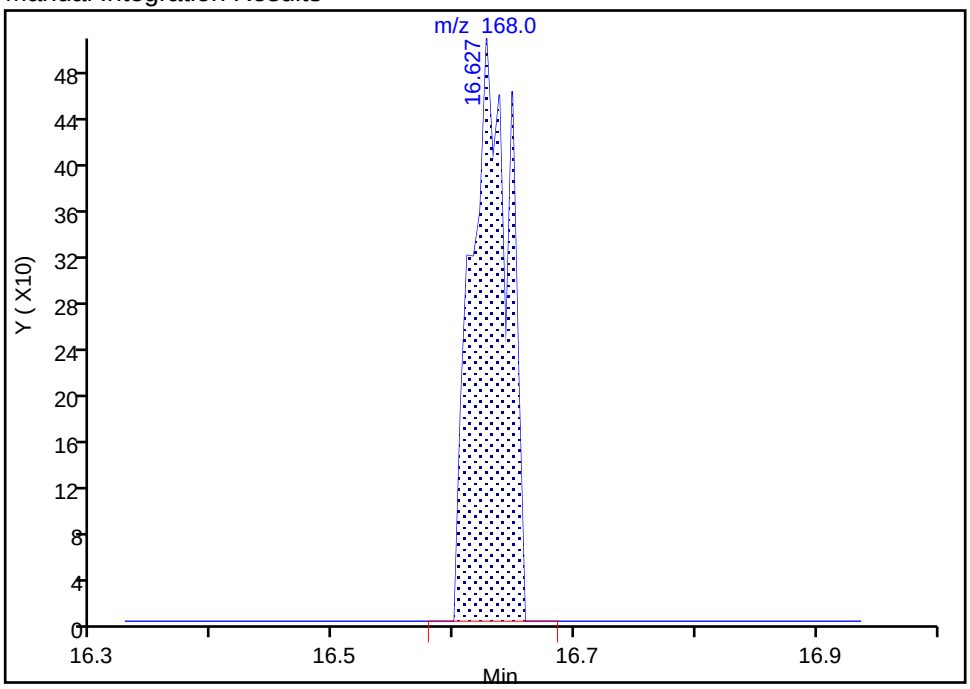
Processing Integration Results

RT: 16.63
Area: 733
Amount: 0.026258
Amount Units: ppb v/v



Manual Integration Results

RT: 16.63
Area: 1111
Amount: 0.038405
Amount Units: ppb v/v



Reviewer: daiglep, 13-Apr-2018 08:43:52

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180412-30075.b\30075_05.D
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 12-Apr-2018 18:21:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0030075-005
Operator ID: pad Instrument ID: CHX.i
Sublist: chrom-TO15_MasterMethod_X.m*sub1

Method: \\ChromNA\Burlington\ChromData\CHX.i\20180412-30075.b\TO15_MasterMethod_X.m.m
Limit Group: AI_TO15_ICAL
Last Update: 13-Apr-2018 09:12:50 Calib Date: 12-Apr-2018 23:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHX.i\20180412-30075.b\30075_11.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK030

First Level Reviewer: daiglep Date: 13-Apr-2018 08:50:36

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	3.049	3.044	0.005	91	3231	0.2004	0.2516	
2 Dichlorodifluoromethane	85	3.113	3.108	0.005	97	11065	0.2004	0.2122	
3 Chlorodifluoromethane	51	3.161	3.156	0.005	97	5822	0.2004	0.2054	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.359	3.354	0.005	86	10642	0.2004	0.2072	
5 Chloromethane	50	3.493	3.488	0.005	96	3851	0.2004	0.2402	
6 Butane	43	3.670	3.664	0.006	93	5879	0.2004	0.2113	
7 Vinyl chloride	62	3.712	3.713	-0.001	95	3967	0.2004	0.2068	
8 Butadiene	54	3.782	3.782	0.000	91	2771	0.2004	0.1887	
10 Bromomethane	94	4.419	4.413	0.006	96	4020	0.2004	0.2043	
11 Chloroethane	64	4.633	4.633	0.000	96	2039	0.2004	0.2227	
12 2-Methylbutane	43	4.697	4.697	0.000	95	4641	0.2004	0.2316	
13 Vinyl bromide	106	5.002	4.996	0.006	92	4259	0.2004	0.2043	
14 Trichlorofluoromethane	101	5.093	5.093	0.000	98	11542	0.2004	0.2034	
16 Pentane	43	5.216	5.221	-0.005	97	6468	0.2004	0.2145	
17 Ethanol	45	5.665	5.638	0.027	97	7993	0.4009	1.27	
18 Ethyl ether	59	5.745	5.713	0.032	89	2231	0.2004	0.1902	
19 Acrolein	56	6.114	6.104	0.010	74	2560	0.2004	0.5564	
20 1,1,2-Trichloro-1,2,2-trif	101	6.104	6.109	-0.005	72	8002	0.2004	0.2030	M
21 1,1-Dichloroethene	96	6.152	6.163	-0.011	90	3907	0.2004	0.2022	
22 Acetone	43	6.430	6.403	0.027	98	18563	0.2004	0.6296	
23 Carbon disulfide	76	6.548	6.548	0.000	98	9336	0.2004	0.1898	
24 Isopropyl alcohol	45	6.714	6.687	0.027	100	14215	0.2004	0.4745	
25 3-Chloro-1-propene	41	6.933	6.933	0.000	57	4095	0.2004	0.2090	M
26 Acetonitrile	41	7.088	7.083	0.005	97	2877	0.2004	0.2230	
27 Methylene Chloride	49	7.233	7.227	0.006	93	4538	0.2004	0.2304	
28 2-Methyl-2-propanol	59	7.500	7.452	0.048	93	8752	0.2004	0.2166	
29 Methyl tert-butyl ether	73	7.661	7.623	0.037	95	11113	0.2004	0.1990	
31 trans-1,2-Dichloroethene	61	7.655	7.661	-0.006	86	5467	0.2004	0.2030	
32 Acrylonitrile	53	7.837	7.826	0.011	87	2377	0.2004	0.1907	M
33 Hexane	57	8.030	8.035	-0.005	93	5666	0.2004	0.2094	
34 1,1-Dichloroethane	63	8.538	8.538	0.000	90	6908	0.2004	0.1973	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
35 Vinyl acetate	43	8.629	8.618	0.011	98	8627	0.2004	0.1868	
S 30 1,2-Dichloroethene, Total	61				0		0.4009	0.3958	
37 cis-1,2-Dichloroethene	96	9.661	9.677	-0.016	91	4343	0.2004	0.1928	M
38 2-Butanone (MEK)	72	9.758	9.742	0.016	98	2977	0.2004	0.2785	
39 Ethyl acetate	88		9.774				ND	ND	
* 40 Chlorobromomethane	128	10.159	10.164	-0.005	81	238056	10.0	10.0	
41 Tetrahydrofuran	42	10.223	10.170	0.053	86	5290	0.2004	0.2294	
42 Chloroform	83	10.293	10.298	-0.005	97	10048	0.2004	0.2129	M
43 Cyclohexane	84	10.533	10.533	0.000	57	6029	0.2004	0.1981	M
44 1,1,1-Trichloroethane	97	10.576	10.582	-0.006	95	9767	0.2004	0.1918	
45 Carbon tetrachloride	117	10.838	10.838	0.000	97	9932	0.2004	0.1856	
46 Isooctane	57	11.282	11.288	-0.006	98	22935	0.2004	0.2032	
47 Benzene	78	11.336	11.336	0.000	92	14936	0.2004	0.2042	M
48 1,2-Dichloroethane	62	11.528	11.539	-0.011	93	6051	0.2004	0.1869	
49 n-Heptane	43	11.700	11.700	0.000	90	8865	0.2004	0.2071	M
* 50 1,4-Difluorobenzene	114	12.235	12.235	-0.001	93	1245814	10.0	10.0	
52 n-Butanol	56	12.721	12.689	0.032	86	9568	0.2004	0.6123	
53 Trichloroethene	95	12.721	12.727	-0.006	58	7611	0.2004	0.2116	M
A 51 GRO	1	13.198	(4.687-21.708)		0	7620835	0.2004	0	
54 1,2-Dichloropropane	63	13.320	13.326	-0.006	69	5488	0.2004	0.1935	M
55 Methyl methacrylate	69	13.524	13.513	0.011	95	6220	0.2004	0.2201	
56 1,4-Dioxane	88	13.609	13.572	0.037	63	6360	0.2004	0.3797	
57 Dibromomethane	174	13.599	13.599	0.000	87	8499	0.2004	0.2078	M
58 Dichlorobromomethane	83	13.914	13.914	0.000	98	10458	0.2004	0.1834	
60 cis-1,3-Dichloropropene	75	14.883	14.893	-0.010	67	8470	0.2004	0.1914	M
A 59 TVOC as Toluene	92	15.102	(3.034-27.170)		0	9403027	0.2004	0	
61 4-Methyl-2-pentanone (MIBK	43	15.225	15.204	0.021	95	20158	0.2004	0.3335	
65 Toluene	92	15.498	15.503	-0.005	92	11760	0.2004	0.2047	
64 n-Octane	43	15.562	15.557	0.005	89	12389	0.2004	0.1953	
66 trans-1,3-Dichloropropene	75	16.150	16.145	0.005	41	13967	0.2004	0.2824	M
67 1,1,2-Trichloroethane	83	16.536	16.541	-0.005	93	5814	0.2004	0.2082	
68 Tetrachloroethene	166	16.632	16.632	0.000	95	12401	0.2004	0.2107	
69 2-Hexanone	43	17.039	17.017	0.022	96	35728	0.2004	0.6252	
71 Chlorodibromomethane	129	17.338	17.338	0.000	97	12026	0.2004	0.1965	
72 Ethylene Dibromide	107	17.616	17.616	0.000	96	10576	0.2004	0.1962	
* 74 Chlorobenzene-d5	117	18.563	18.563	0.000	84	1121006	10.0	10.0	
75 Chlorobenzene	112	18.622	18.628	-0.006	98	17606	0.2004	0.2120	
76 Ethylbenzene	91	18.783	18.793	-0.010	97	25895	0.2004	0.2007	
77 n-Nonane	57	18.922	18.927	-0.005	91	11677	0.2004	0.2025	
78 m-Xylene & p-Xylene	106	19.061	19.061	0.000	0	21129	0.4009	0.3995	
S 73 Xylenes, Total	106				0		0.6013	0.6048	
79 o-Xylene	106	19.949	19.954	-0.005	98	10821	0.2004	0.2053	M
80 Styrene	104	20.013	20.013	0.000	96	16205	0.2004	0.1999	
81 Bromoform	173	20.478	20.484	-0.006	98	11124	0.2004	0.1893	
82 Isopropylbenzene	105	20.708	20.714	-0.006	95	30845	0.2004	0.2033	
84 1,1,2,2-Tetrachloroethane	83	21.441	21.441	0.000	97	15096	0.2004	0.2043	
85 N-Propylbenzene	91	21.500	21.500	0.000	100	36039	0.2004	0.2005	
86 1,2,3-Trichloropropane	75	21.538	21.543	-0.005	97	13636	0.2004	0.2367	
87 n-Decane	57	21.693	21.698	-0.005	73	14273	0.2004	0.1994	
88 4-Ethyltoluene	105	21.703	21.709	-0.006	95	30908	0.2004	0.2033	
89 2-Chlorotoluene	91	21.714	21.714	0.000	96	26223	0.2004	0.2112	
90 1,3,5-Trimethylbenzene	105	21.821	21.821	0.000	96	25869	0.2004	0.2057	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
91 Alpha Methyl Styrene	118	22.217	22.217	0.000	90	13299	0.2004	0.2051	
92 tert-Butylbenzene	119	22.345	22.346	-0.001	93	25416	0.2004	0.2066	
93 1,2,4-Trimethylbenzene	105	22.442	22.447	-0.005	97	25269	0.2004	0.2020	
94 sec-Butylbenzene	105	22.688	22.688	0.000	98	37376	0.2004	0.2064	
95 4-Isopropyltoluene	119	22.902	22.902	0.000	97	32375	0.2004	0.2071	
96 1,3-Dichlorobenzene	146	22.929	22.929	0.000	96	21179	0.2004	0.2190	
97 1,4-Dichlorobenzene	146	23.073	23.073	0.000	97	23104	0.2004	0.2353	
98 Benzyl chloride	91	23.282	23.282	0.000	99	21706	0.2004	0.2127	
100 n-Butylbenzene	91	23.496	23.496	0.000	98	29981	0.2004	0.2171	
99 Undecane	57	23.528	23.528	0.000	96	14050	0.2004	0.2010	
101 1,2-Dichlorobenzene	146	23.624	23.624	0.000	98	20575	0.2004	0.2270	
102 Dodecane	57	25.154	25.149	0.005	97	13851	0.2004	0.2920	
103 1,2,4-Trichlorobenzene	180	26.187	26.187	0.000	92	19008	0.2004	0.2763	
104 Hexachlorobutadiene	225	26.374	26.374	0.000	94	16006	0.2004	0.2273	
105 Naphthalene	128	26.679	26.684	-0.005	99	41917	0.2004	0.2977	
106 1,2,3-Trichlorobenzene	180	27.166	27.160	0.006	95	17559	0.2004	0.2918	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

ATTO15CAL1w_00190	Amount Added: 200.00	Units: mL	
ATTO15XISs_00002	Amount Added: 20.00	Units: mL	Run Reagent

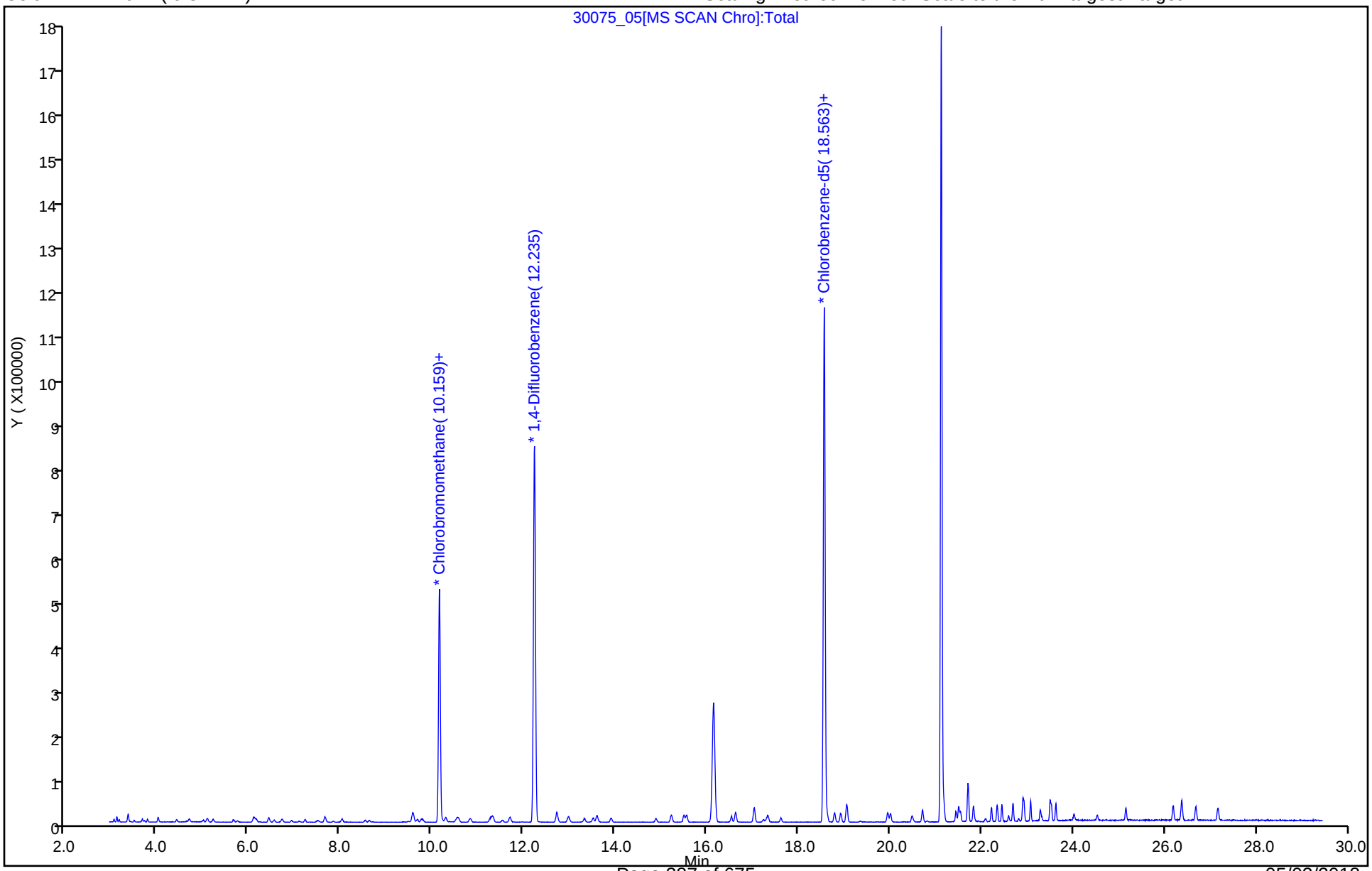
Report Date: 13-Apr-2018 09:12:50 Chrom Revision: 2.2 13-Mar-2018 08:45:20

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180412-30075.b\30075_05.D

Injection Date:	12-Apr-2018 18:21:30	Instrument ID:	CHX.i	Operator ID:	pad
Lims ID:	ic			Worklist Smp#:	5
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

TestAmerica Burlington

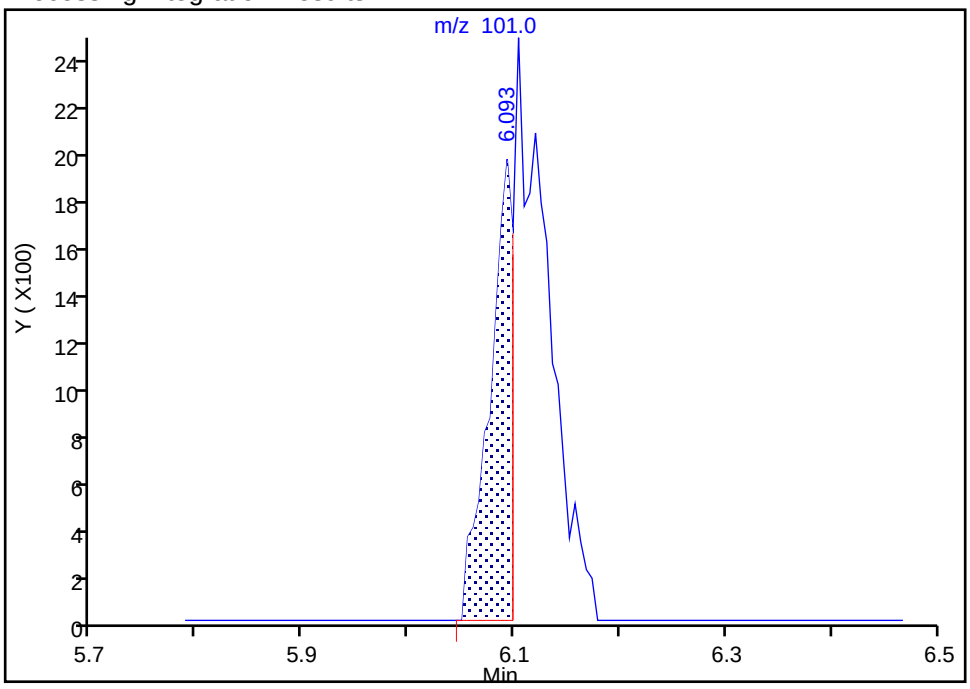
Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180412-30075.b\30075_05.D
Injection Date: 12-Apr-2018 18:21:30 Instrument ID: CHX.i
Lims ID: ic
Client ID:
Operator ID: pad ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_X.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

20 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

Signal: 1

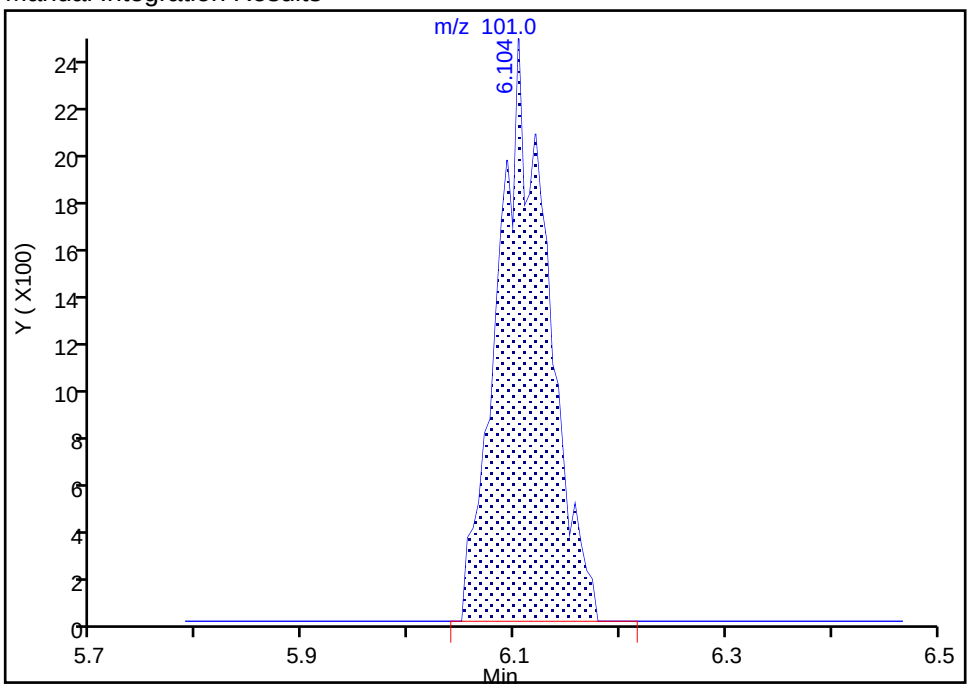
Processing Integration Results

RT: 6.09
Area: 3004
Amount: 0.087489
Amount Units: ppb v/v



Manual Integration Results

RT: 6.10
Area: 8002
Amount: 0.203021
Amount Units: ppb v/v



Reviewer: daiglep, 13-Apr-2018 08:46:48
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

TestAmerica Burlington

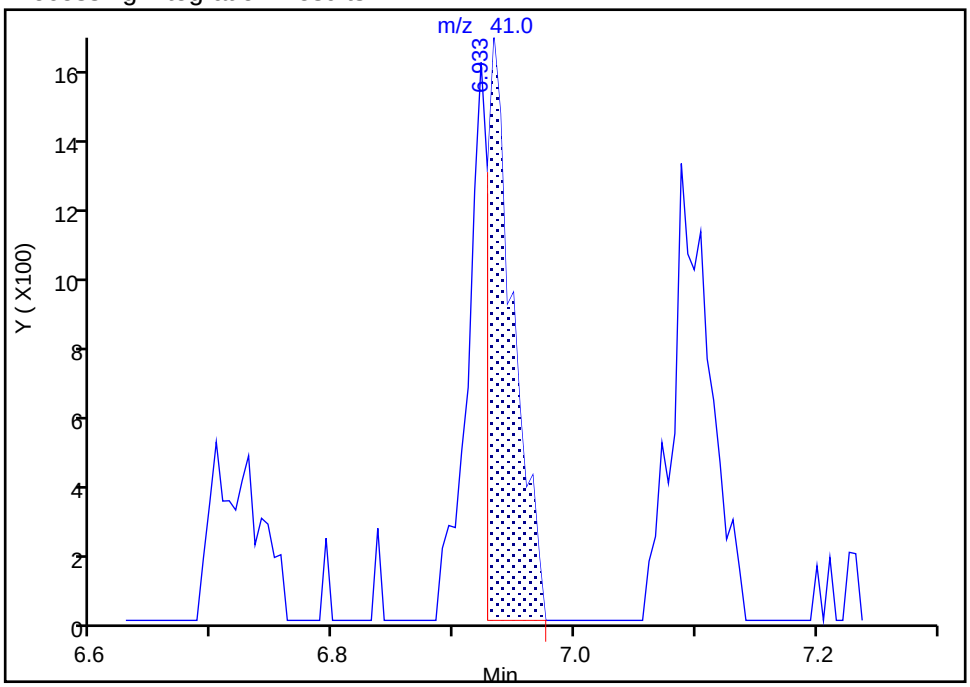
Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180412-30075.b\30075_05.D
Injection Date: 12-Apr-2018 18:21:30 Instrument ID: CHX.i
Lims ID: ic
Client ID:
Operator ID: pad ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_X.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

25 3-Chloro-1-propene, CAS: 107-05-1

Signal: 1

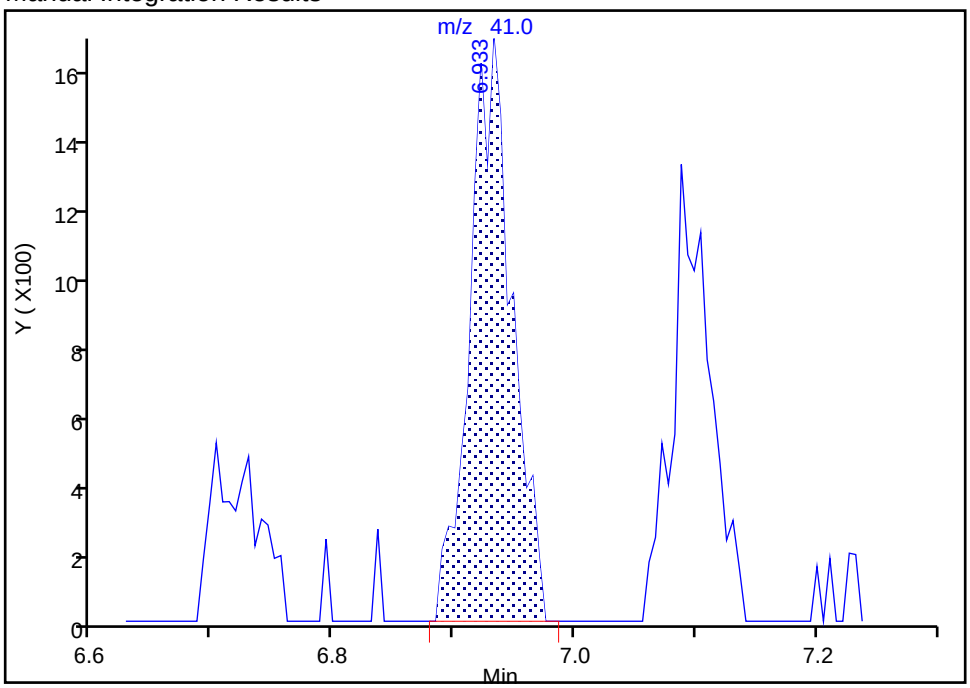
Processing Integration Results

RT: 6.93
Area: 2554
Amount: 0.145028
Amount Units: ppb v/v



Manual Integration Results

RT: 6.93
Area: 4095
Amount: 0.208951
Amount Units: ppb v/v



Reviewer: daiglep, 13-Apr-2018 08:47:04
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Burlington

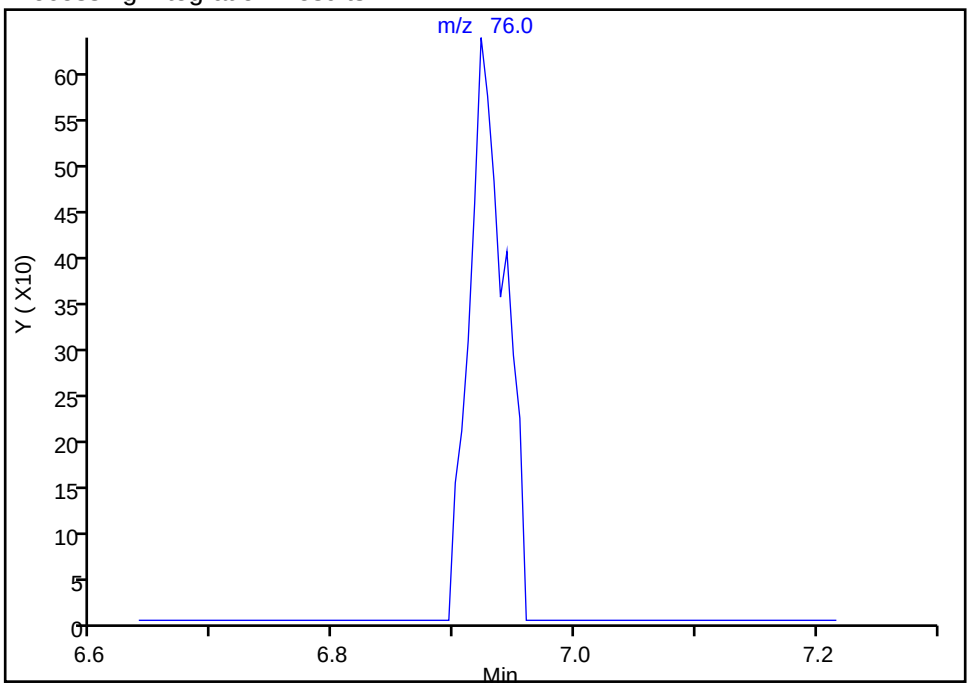
Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180412-30075.b\30075_05.D
Injection Date: 12-Apr-2018 18:21:30 Instrument ID: CHX.i
Lims ID: ic
Client ID:
Operator ID: pad ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_X.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

25 3-Chloro-1-propene, CAS: 107-05-1

Signal: 2

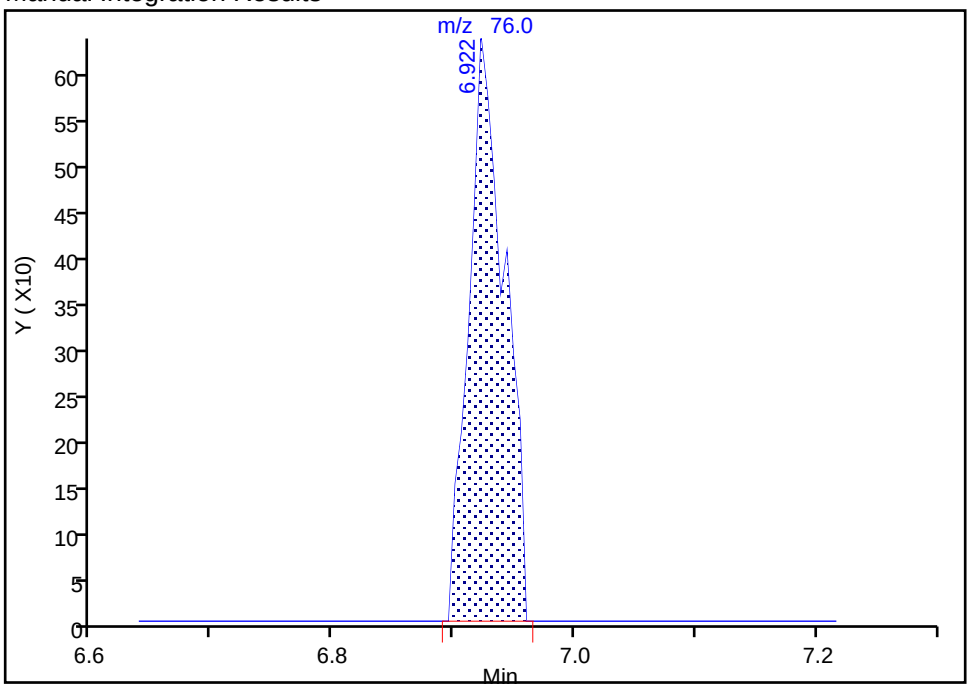
Processing Integration Results

RT: 6.93
Area: 0
Amount: 0.145028
Amount Units: ppb v/v



Manual Integration Results

RT: 6.92
Area: 1314
Amount: 0.208951
Amount Units: ppb v/v



Reviewer: daiglep, 13-Apr-2018 08:47:06
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

TestAmerica Burlington

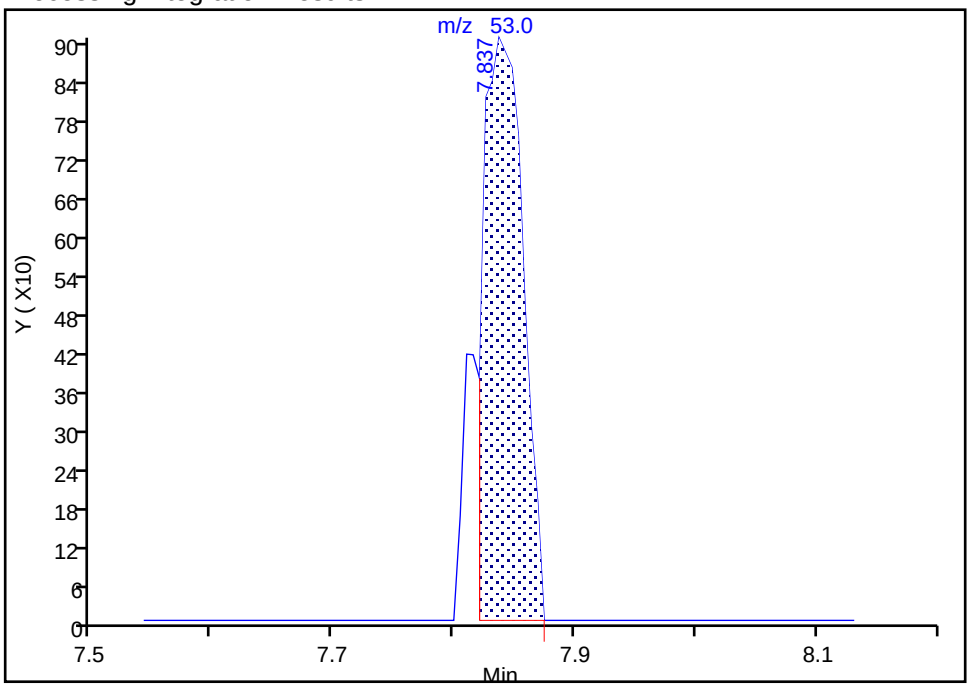
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20180412-30075.b\30075_05.D				
Injection Date:	12-Apr-2018 18:21:30	Instrument ID:	CHX.i		
Lims ID:	ic				
Client ID:					
Operator ID:	pad	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

32 Acrylonitrile, CAS: 107-13-1

Signal: 1

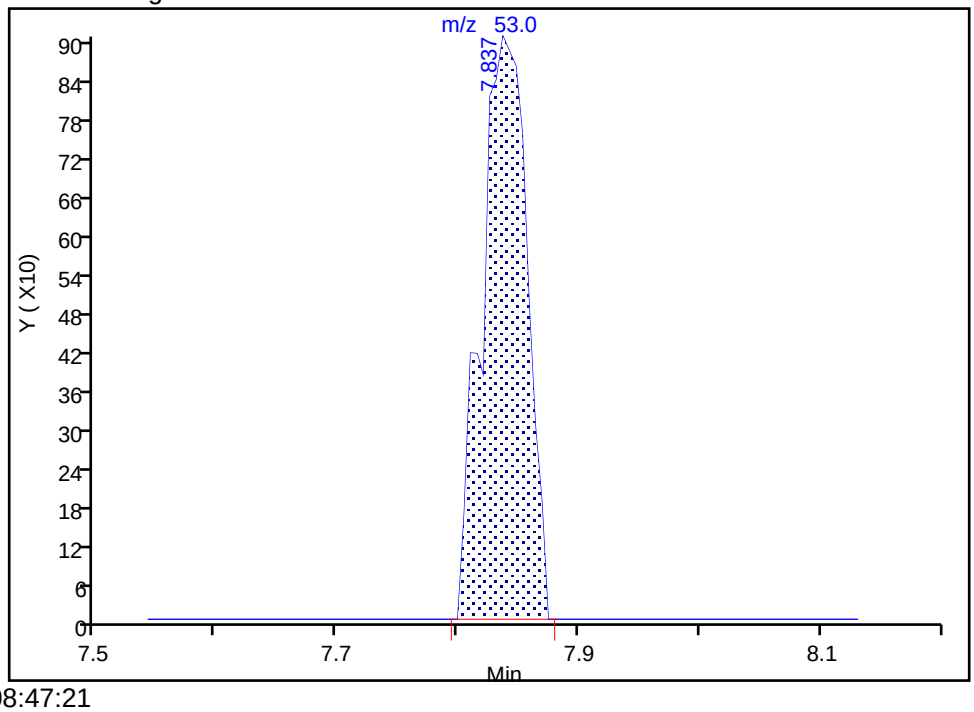
Processing Integration Results

RT: 7.84
Area: 2059
Amount: 0.165667
Amount Units: ppb v/v



Manual Integration Results

RT: 7.84
Area: 2377
Amount: 0.190736
Amount Units: ppb v/v



Reviewer: daiglep, 13-Apr-2018 08:47:21
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Burlington

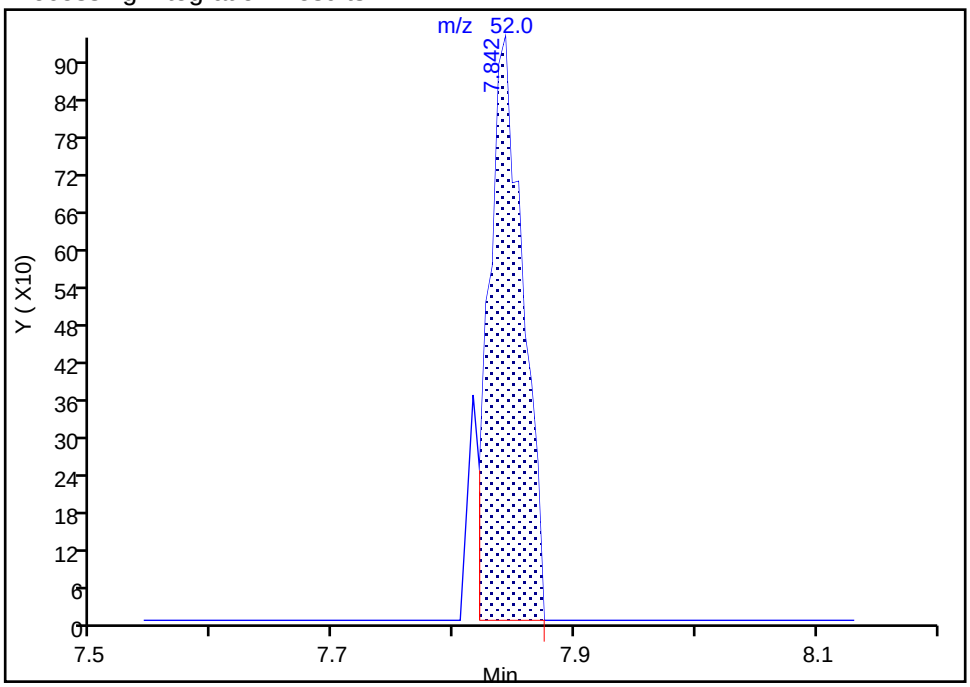
Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180412-30075.b\30075_05.D
Injection Date: 12-Apr-2018 18:21:30 Instrument ID: CHX.i
Lims ID: ic
Client ID:
Operator ID: pad ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_X.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

32 Acrylonitrile, CAS: 107-13-1

Signal: 2

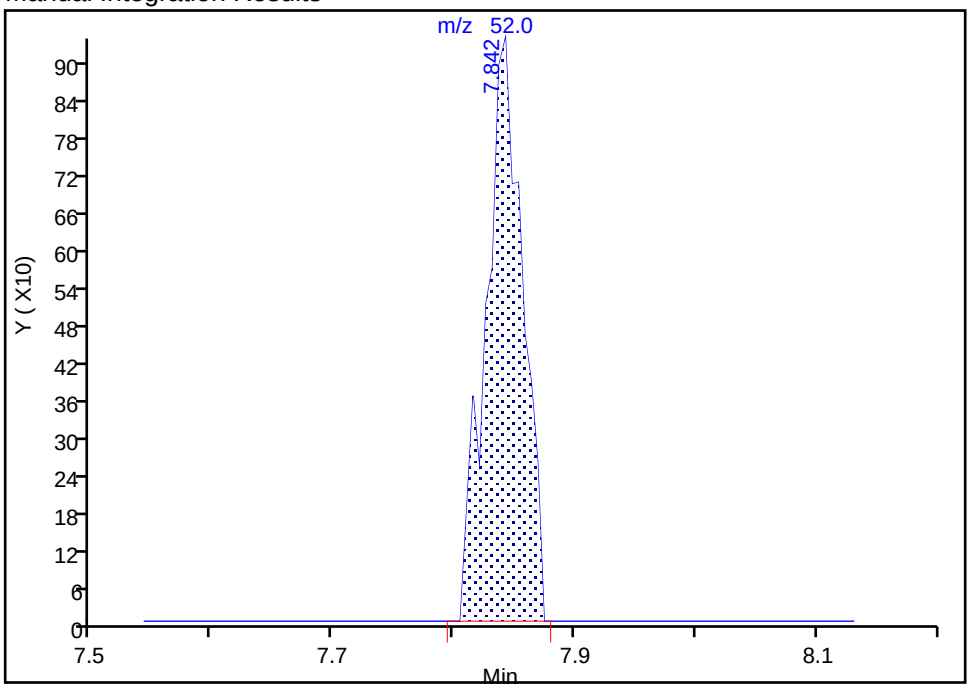
Processing Integration Results

RT: 7.84
Area: 1815
Amount: 0.165667
Amount Units: ppb v/v



Manual Integration Results

RT: 7.84
Area: 1989
Amount: 0.190736
Amount Units: ppb v/v



Reviewer: daiglep, 13-Apr-2018 08:47:23
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Burlington

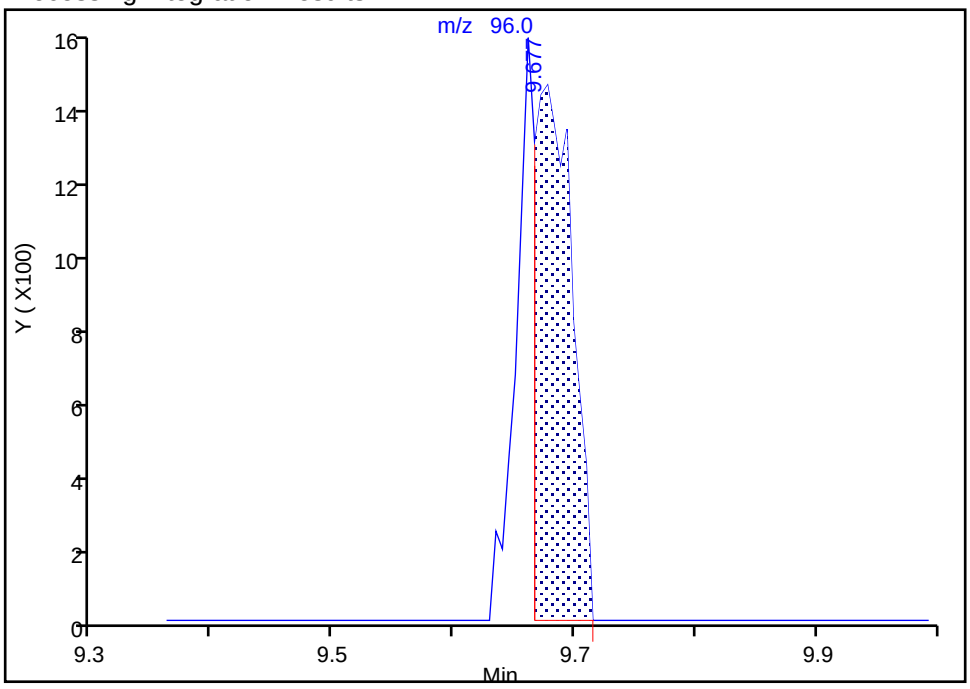
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20180412-30075.b\30075_05.D				
Injection Date:	12-Apr-2018 18:21:30	Instrument ID:	CHX.i		
Lims ID:	ic				
Client ID:					
Operator ID:	pad	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

37 cis-1,2-Dichloroethene, CAS: 156-59-2

Signal: 1

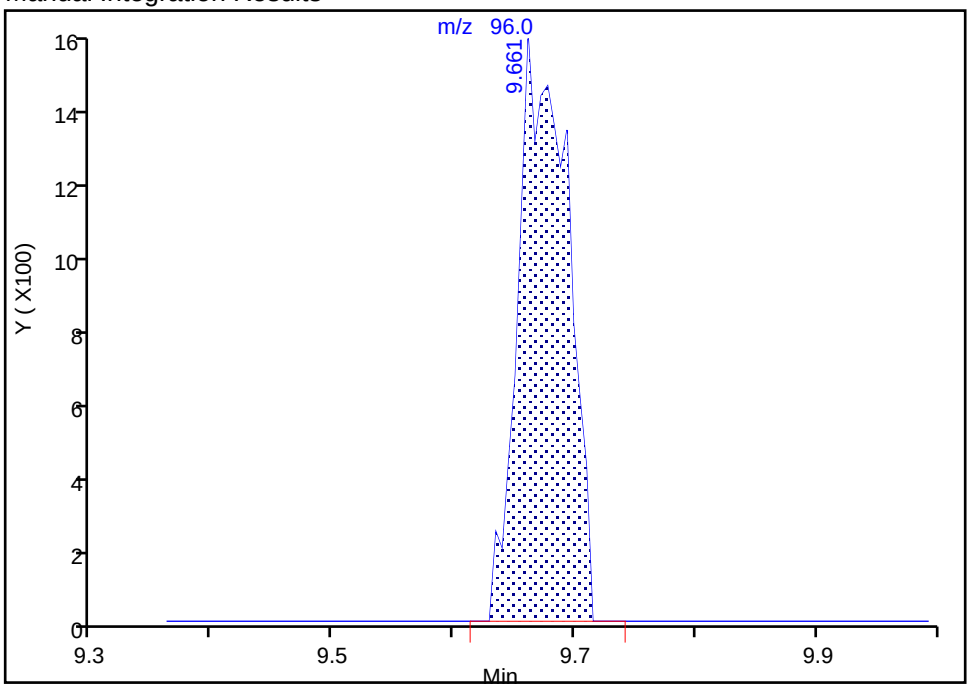
Processing Integration Results

RT: 9.68
Area: 3039
Amount: 0.142728
Amount Units: ppb v/v



Manual Integration Results

RT: 9.66
Area: 4343
Amount: 0.192788
Amount Units: ppb v/v



Reviewer: daiglep, 13-Apr-2018 08:47:33

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Burlington

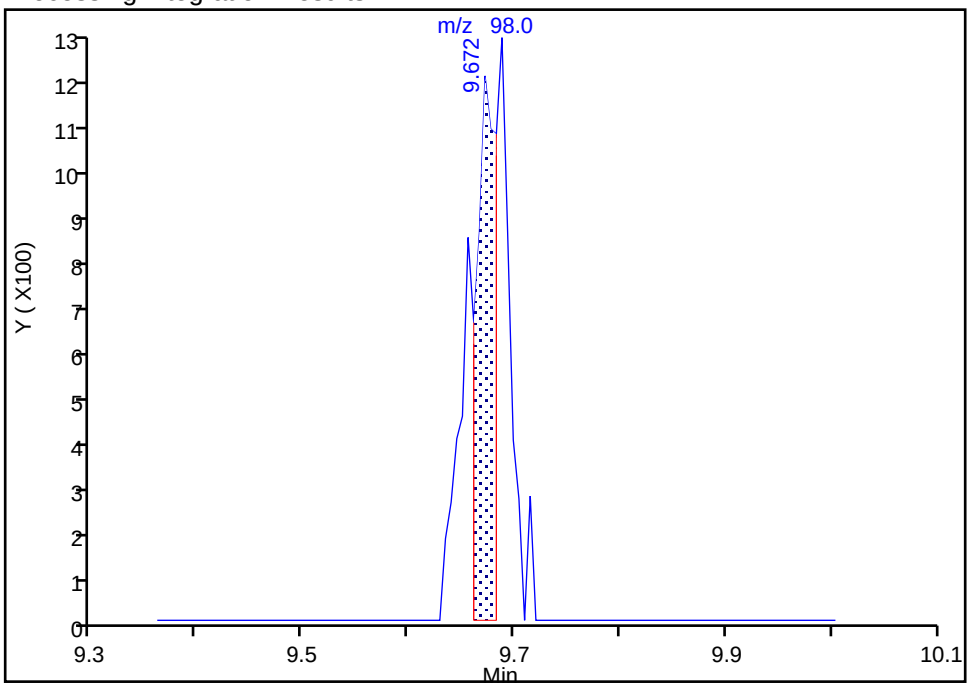
Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180412-30075.b\30075_05.D
Injection Date: 12-Apr-2018 18:21:30 Instrument ID: CHX.i
Lims ID: ic
Client ID:
Operator ID: pad ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_X.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

37 cis-1,2-Dichloroethene, CAS: 156-59-2

Signal: 2

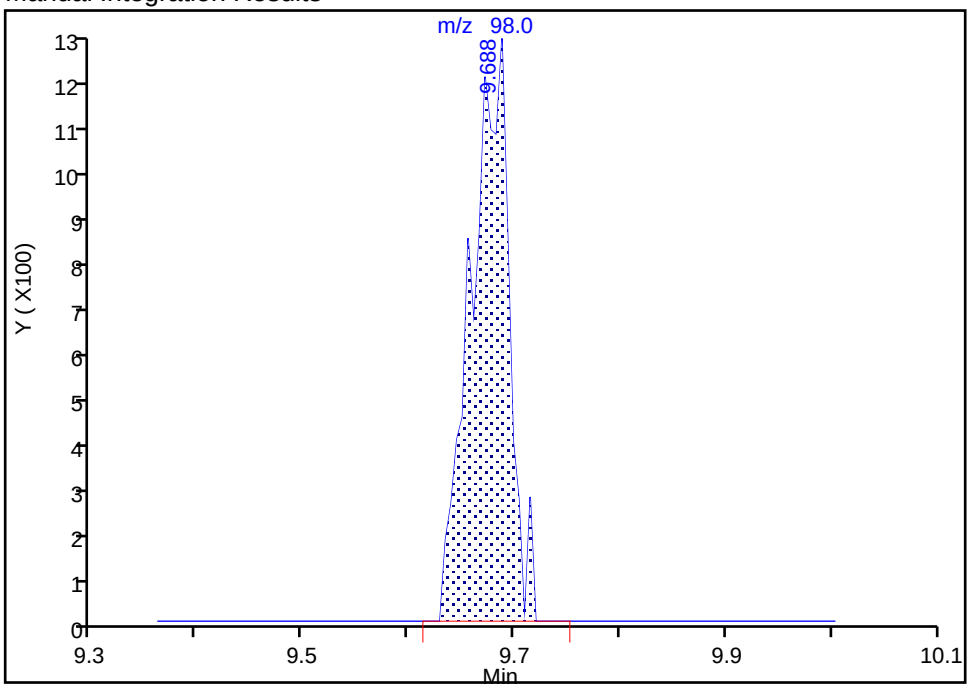
Processing Integration Results

RT: 9.67
Area: 1481
Amount: 0.142728
Amount Units: ppb v/v



Manual Integration Results

RT: 9.69
Area: 3070
Amount: 0.192788
Amount Units: ppb v/v



Reviewer: daiglep, 13-Apr-2018 08:47:36
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Burlington

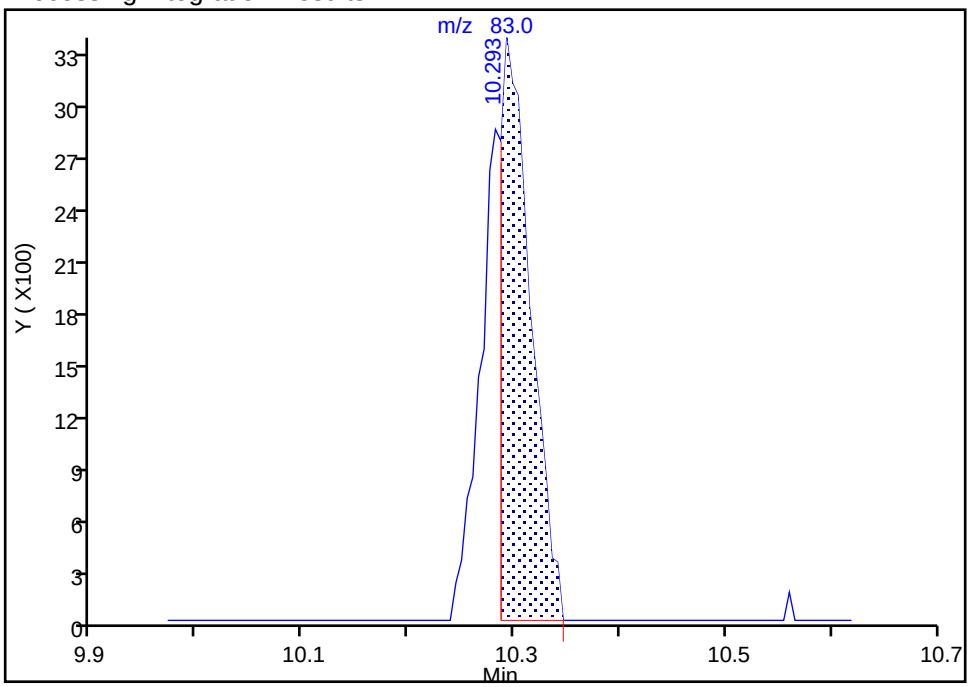
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20180412-30075.b\30075_05.D				
Injection Date:	12-Apr-2018 18:21:30	Instrument ID:	CHX.i		
Lims ID:	ic				
Client ID:					
Operator ID:	pad	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

42 Chloroform, CAS: 67-66-3

Signal: 1

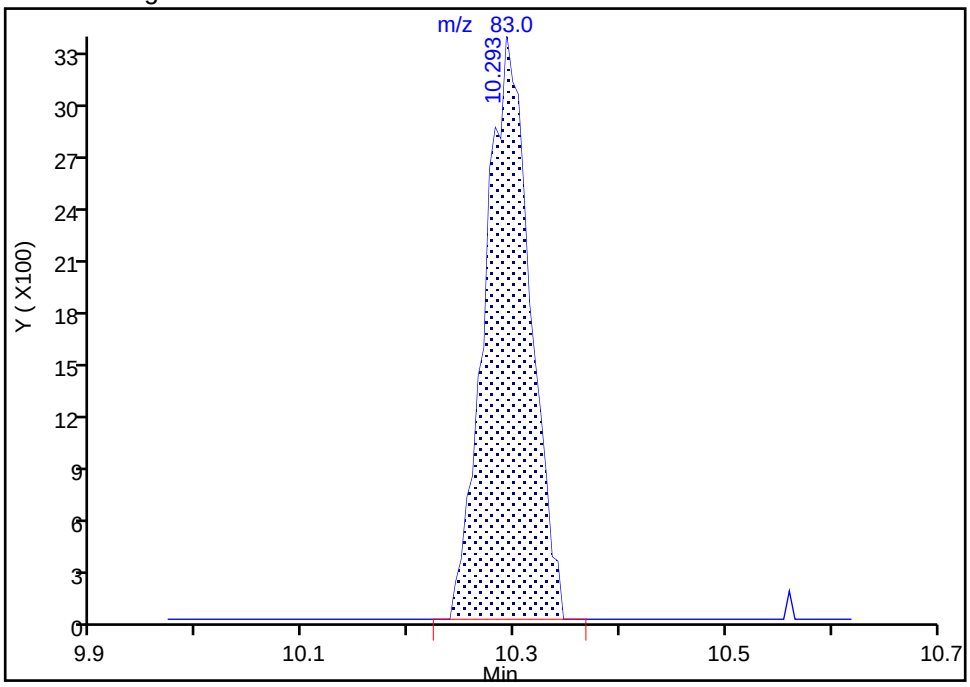
Processing Integration Results

RT: 10.29
Area: 6670
Amount: 0.152220
Amount Units: ppb v/v



Manual Integration Results

RT: 10.29
Area: 10048
Amount: 0.212917
Amount Units: ppb v/v



Reviewer: daiglep, 13-Apr-2018 08:47:47

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Burlington

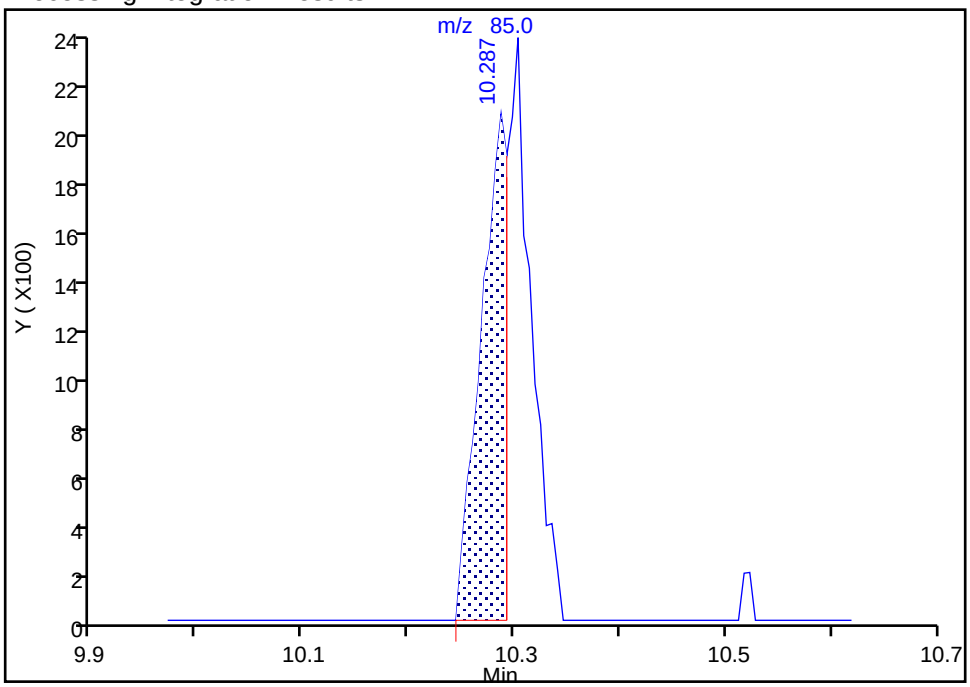
Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180412-30075.b\30075_05.D
Injection Date: 12-Apr-2018 18:21:30 Instrument ID: CHX.i
Lims ID: ic
Client ID:
Operator ID: pad ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_X.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

42 Chloroform, CAS: 67-66-3

Signal: 2

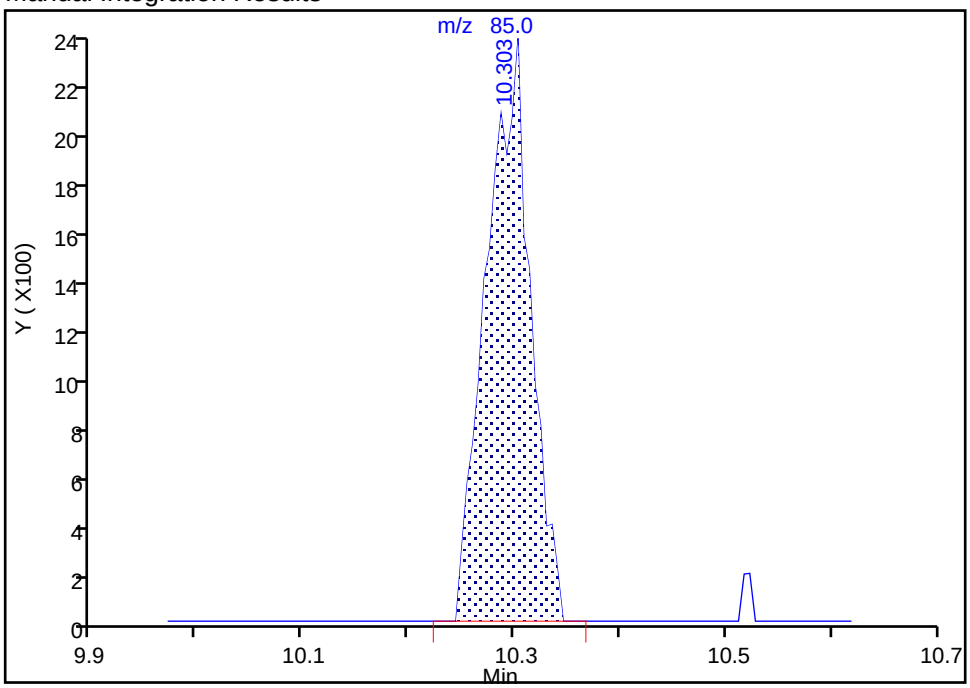
Processing Integration Results

RT: 10.29
Area: 3500
Amount: 0.152220
Amount Units: ppb v/v



Manual Integration Results

RT: 10.30
Area: 6665
Amount: 0.212917
Amount Units: ppb v/v



Reviewer: daiglep, 13-Apr-2018 08:47:50
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Burlington

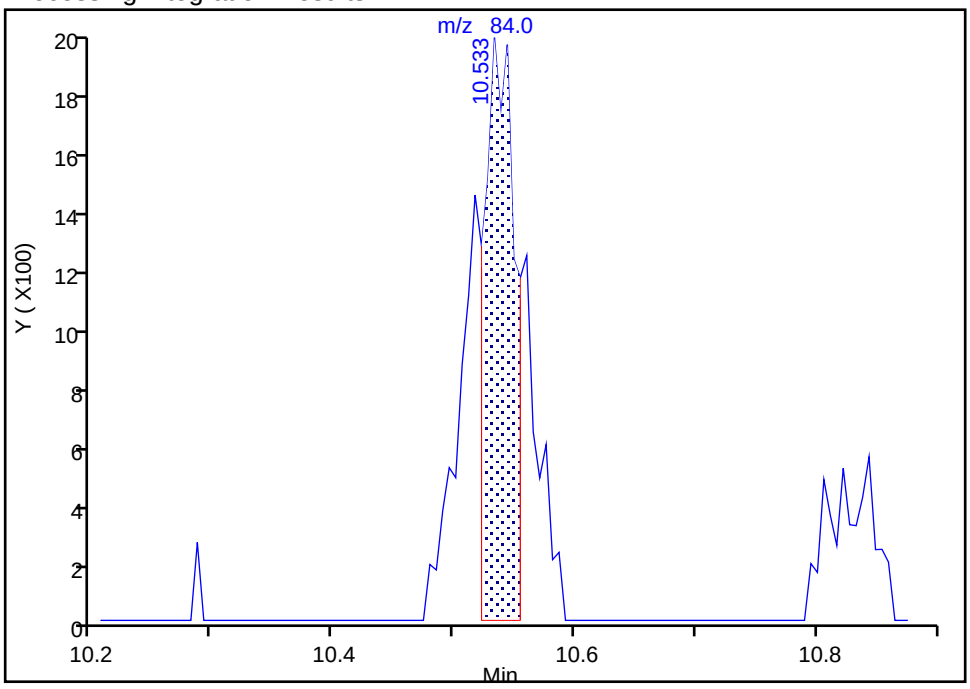
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20180412-30075.b\30075_05.D				
Injection Date:	12-Apr-2018 18:21:30	Instrument ID:	CHX.i		
Lims ID:	ic				
Client ID:					
Operator ID:	pad	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

43 Cyclohexane, CAS: 110-82-7

Signal: 1

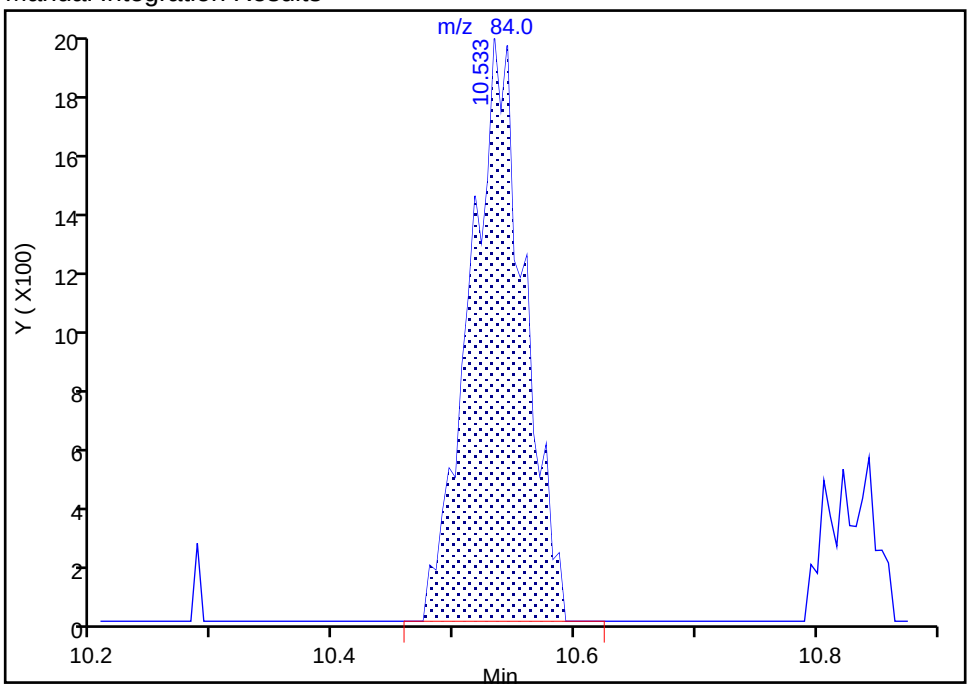
Processing Integration Results

RT: 10.53
Area: 3367
Amount: 0.120993
Amount Units: ppb v/v



Manual Integration Results

RT: 10.53
Area: 6029
Amount: 0.198060
Amount Units: ppb v/v



Reviewer: daiglep, 13-Apr-2018 08:47:56

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Burlington

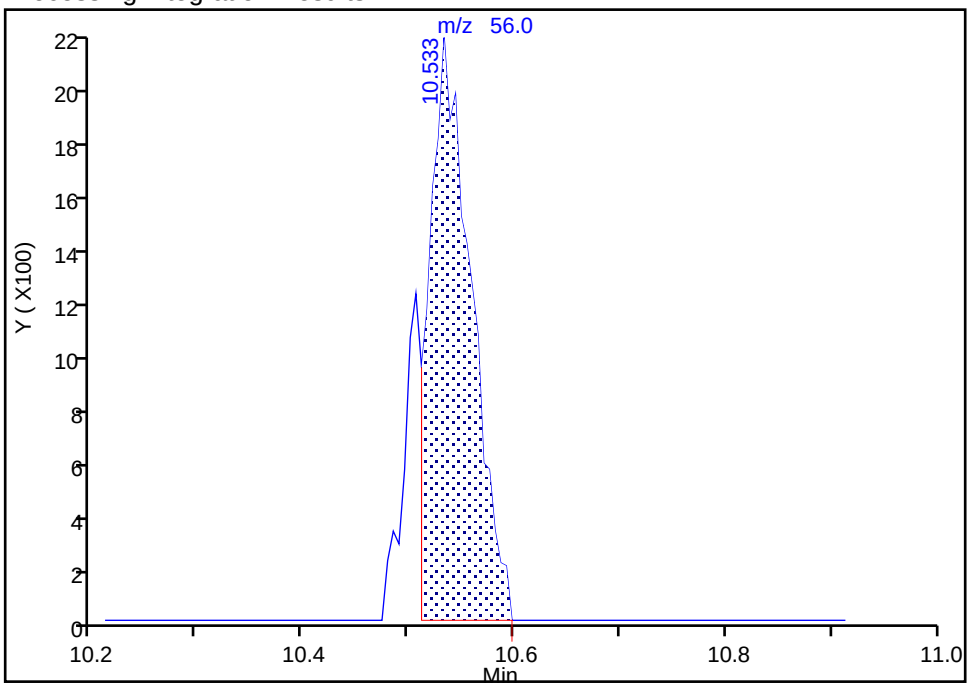
Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180412-30075.b\30075_05.D
Injection Date: 12-Apr-2018 18:21:30 Instrument ID: CHX.i
Lims ID: ic
Client ID:
Operator ID: pad ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_X.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

43 Cyclohexane, CAS: 110-82-7

Signal: 2

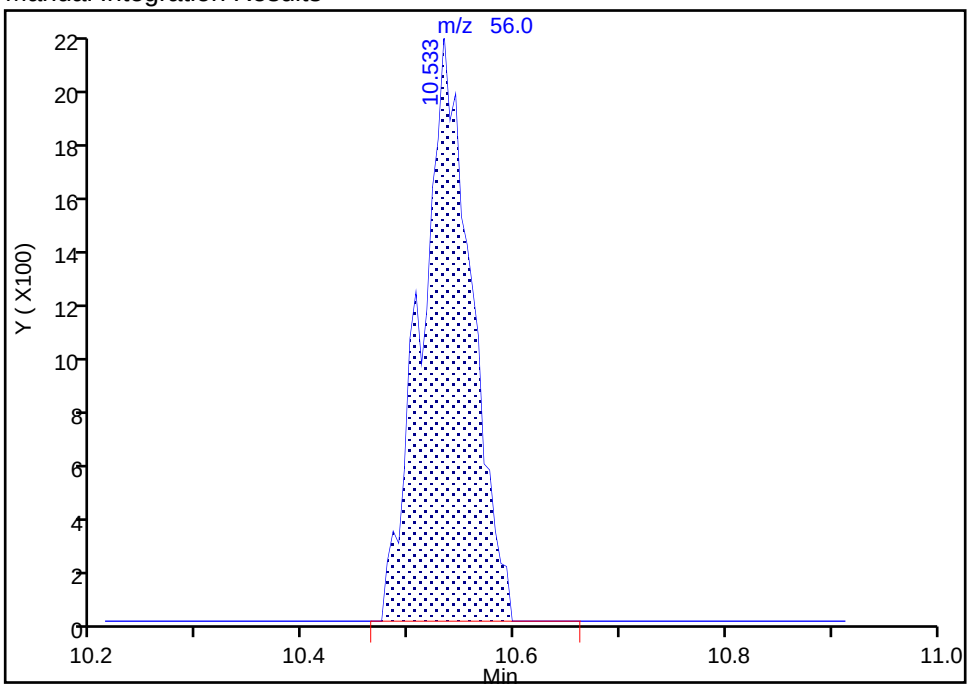
Processing Integration Results

RT: 10.53
Area: 5915
Amount: 0.120993
Amount Units: ppb v/v



Manual Integration Results

RT: 10.53
Area: 7082
Amount: 0.198060
Amount Units: ppb v/v



Reviewer: daiglep, 13-Apr-2018 08:47:59
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Burlington

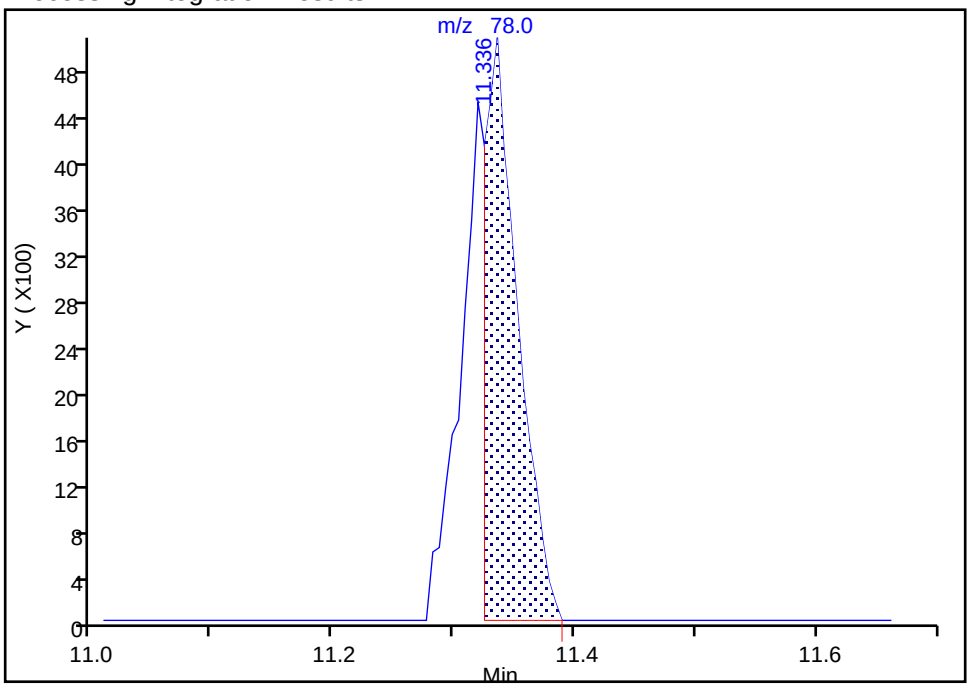
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20180412-30075.b\30075_05.D				
Injection Date:	12-Apr-2018 18:21:30	Instrument ID:	CHX.i		
Lims ID:	ic				
Client ID:					
Operator ID:	pad	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

47 Benzene, CAS: 71-43-2

Signal: 1

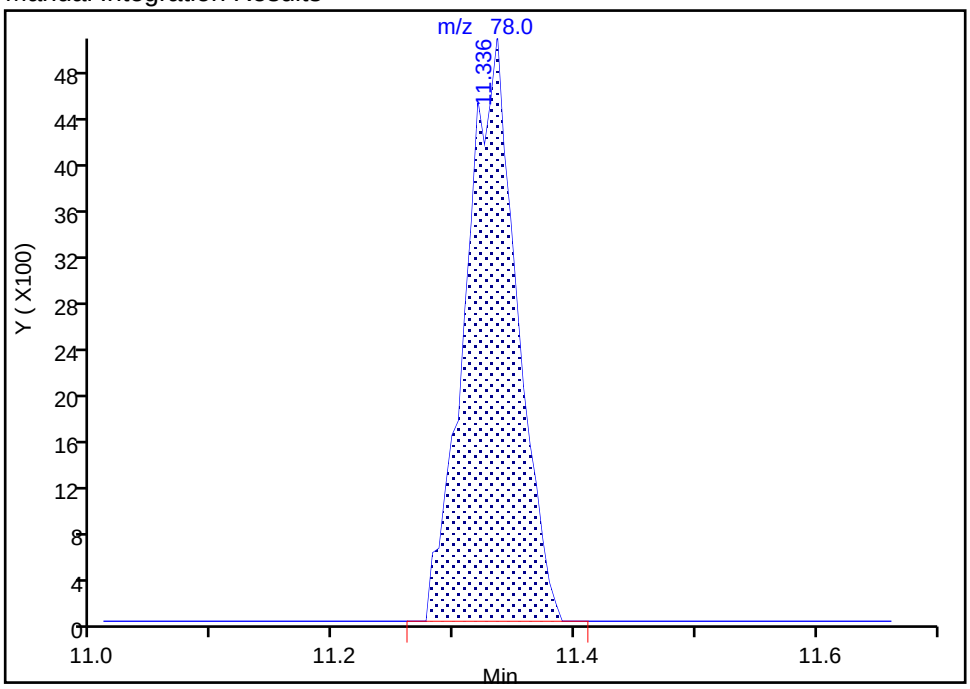
Processing Integration Results

RT: 11.34
Area: 9659
Amount: 0.142063
Amount Units: ppb v/v



Manual Integration Results

RT: 11.34
Area: 14936
Amount: 0.204196
Amount Units: ppb v/v



Reviewer: daiglep, 13-Apr-2018 08:48:08

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Burlington

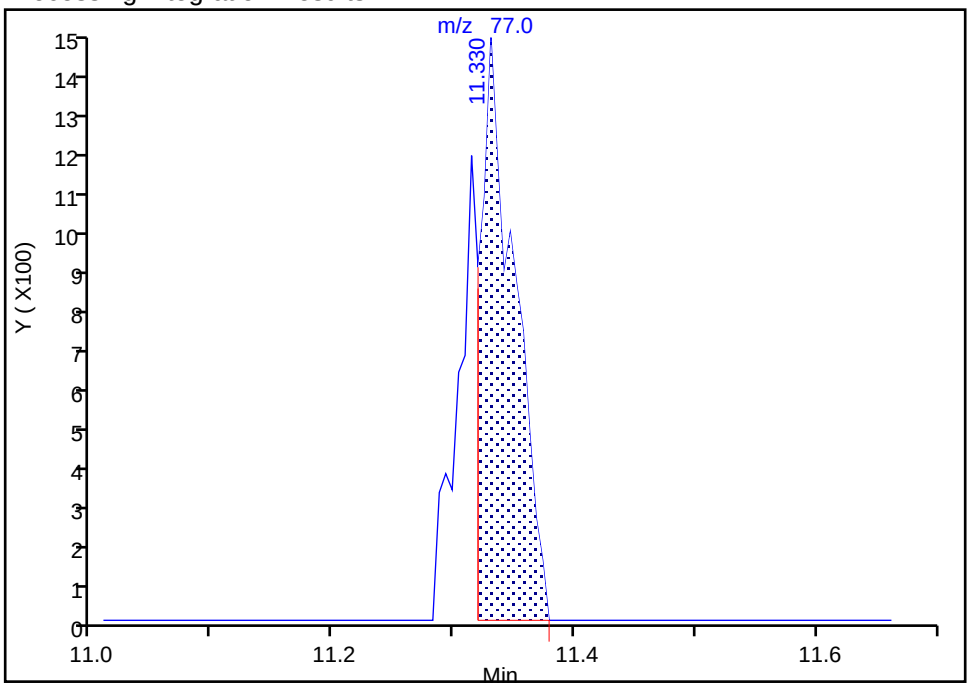
Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180412-30075.b\30075_05.D
Injection Date: 12-Apr-2018 18:21:30 Instrument ID: CHX.i
Lims ID: ic
Client ID:
Operator ID: pad ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_X.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

47 Benzene, CAS: 71-43-2

Signal: 2

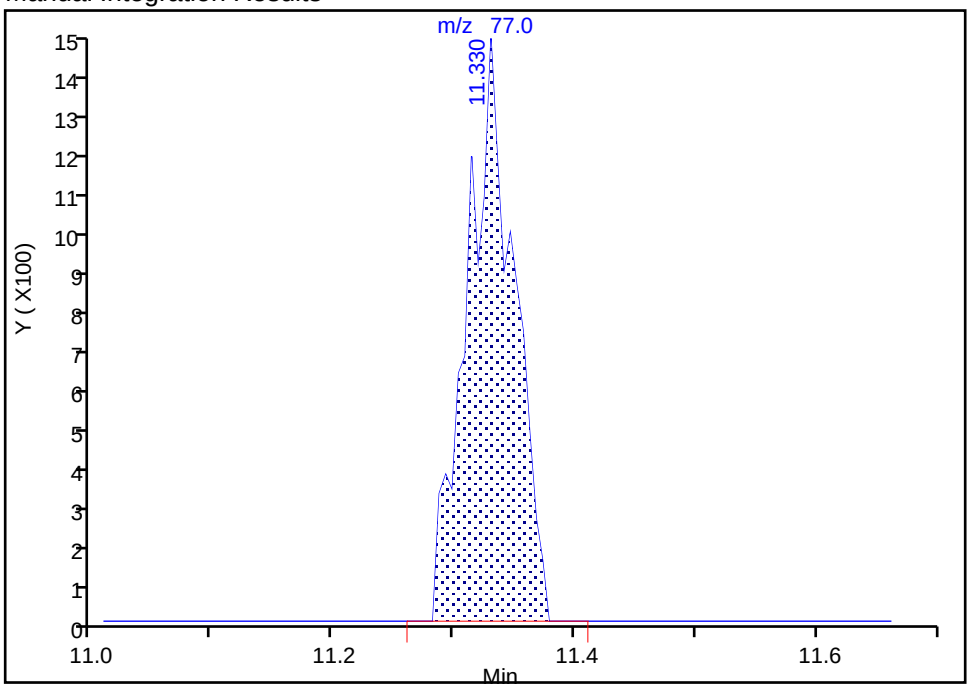
Processing Integration Results

RT: 11.33
Area: 2884
Amount: 0.142063
Amount Units: ppb v/v



Manual Integration Results

RT: 11.33
Area: 4013
Amount: 0.204196
Amount Units: ppb v/v



Reviewer: daiglep, 13-Apr-2018 08:48:10
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

TestAmerica Burlington

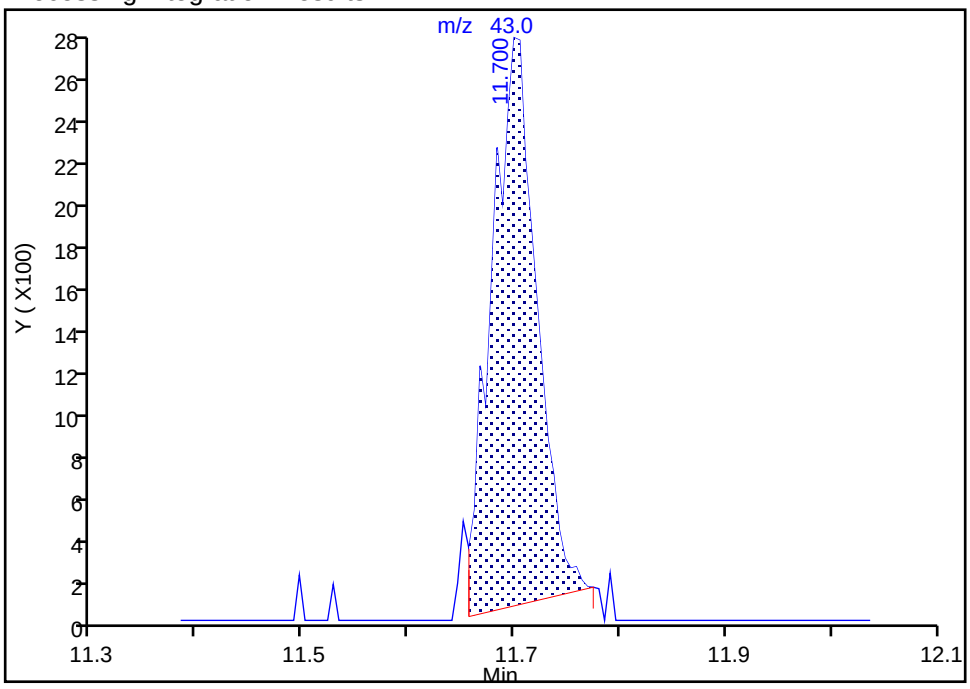
Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180412-30075.b\30075_05.D
Injection Date: 12-Apr-2018 18:21:30 Instrument ID: CHX.i
Lims ID: ic
Client ID:
Operator ID: pad ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_X.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

49 n-Heptane, CAS: 142-82-5

Signal: 1

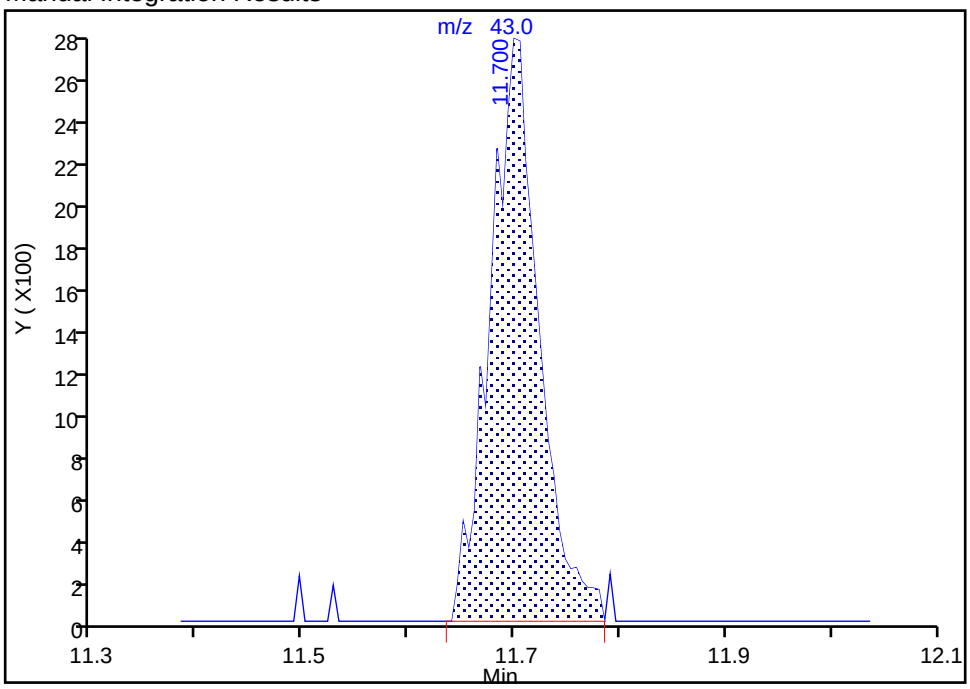
Processing Integration Results

RT: 11.70
Area: 7964
Amount: 0.189988
Amount Units: ppb v/v



Manual Integration Results

RT: 11.70
Area: 8865
Amount: 0.207129
Amount Units: ppb v/v



Reviewer: daiglep, 13-Apr-2018 08:48:21
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Burlington

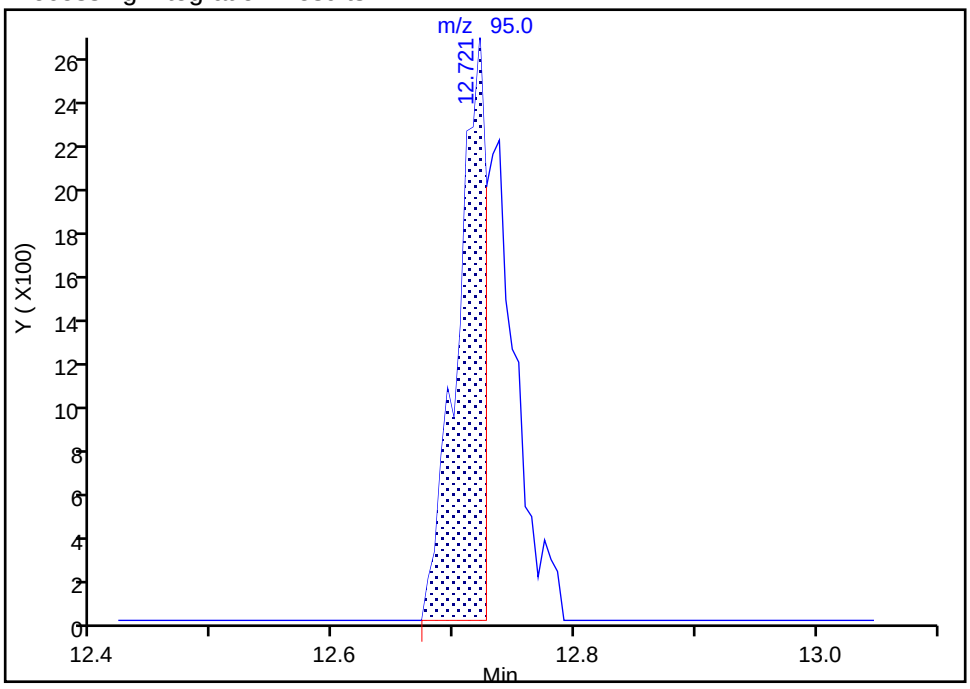
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20180412-30075.b\30075_05.D				
Injection Date:	12-Apr-2018 18:21:30	Instrument ID:	CHX.i		
Lims ID:	ic				
Client ID:					
Operator ID:	pad	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

53 Trichloroethene, CAS: 79-01-6

Signal: 1

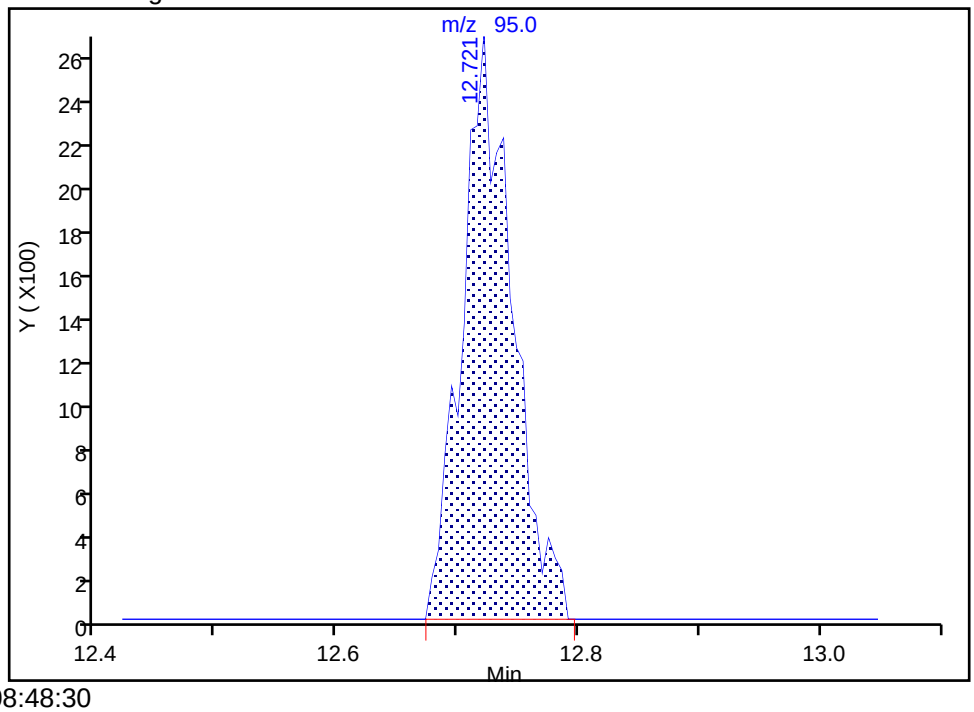
Processing Integration Results

RT: 12.72
Area: 4352
Amount: 0.128959
Amount Units: ppb v/v



Manual Integration Results

RT: 12.72
Area: 7611
Amount: 0.211567
Amount Units: ppb v/v



Reviewer: daiglep, 13-Apr-2018 08:48:30

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Burlington

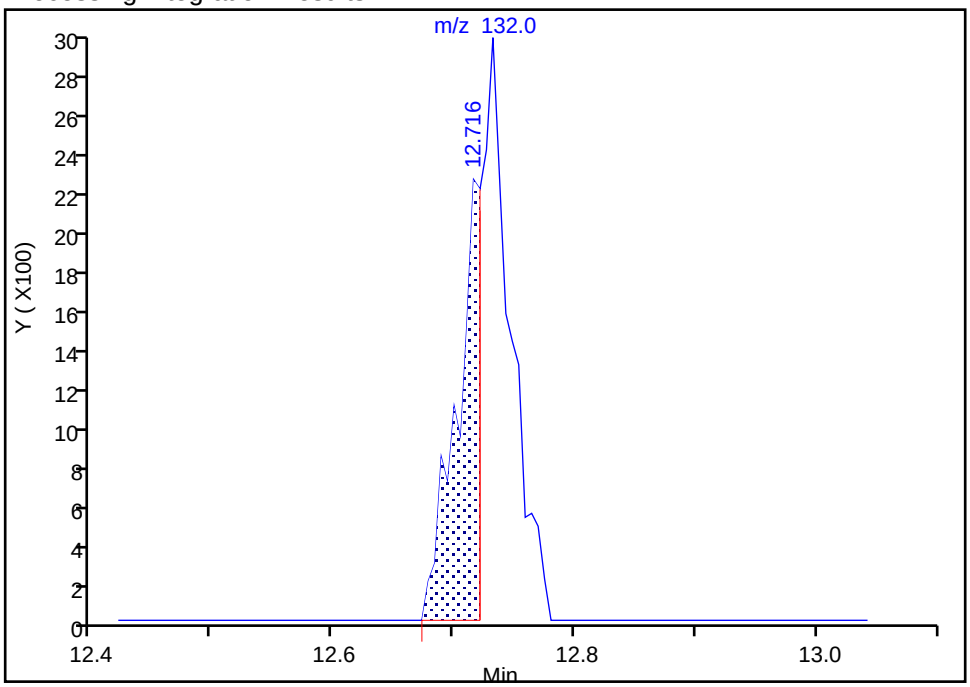
Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180412-30075.b\30075_05.D
Injection Date: 12-Apr-2018 18:21:30 Instrument ID: CHX.i
Lims ID: ic
Client ID:
Operator ID: pad ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_X.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

53 Trichloroethene, CAS: 79-01-6

Signal: 3

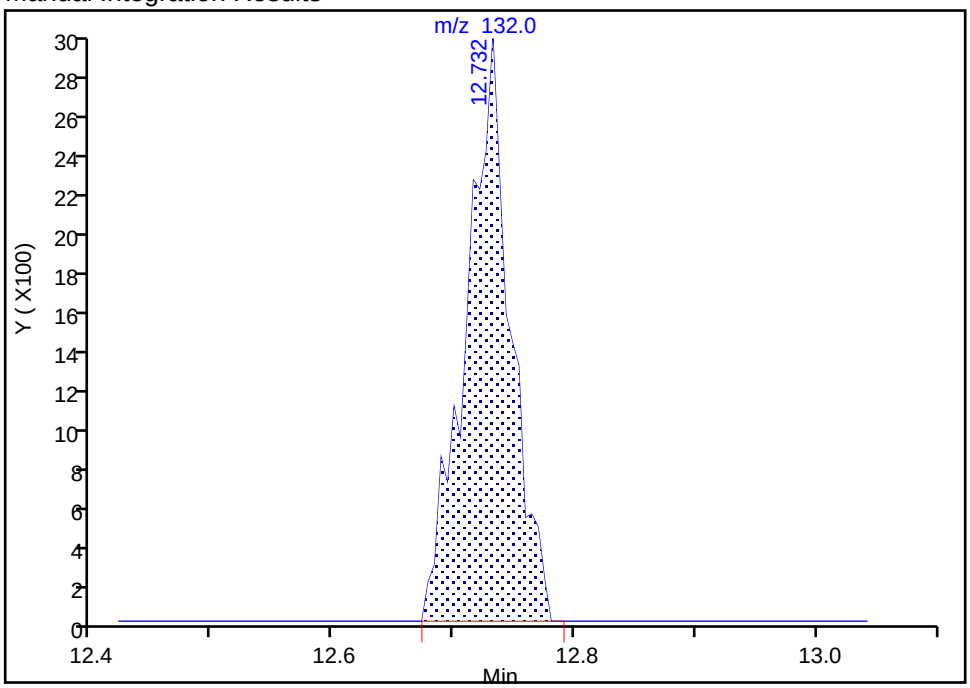
Processing Integration Results

RT: 12.72
Area: 3172
Amount: 0.128959
Amount Units: ppb v/v



Manual Integration Results

RT: 12.73
Area: 7517
Amount: 0.211567
Amount Units: ppb v/v



Reviewer: daiglep, 13-Apr-2018 08:48:34
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Burlington

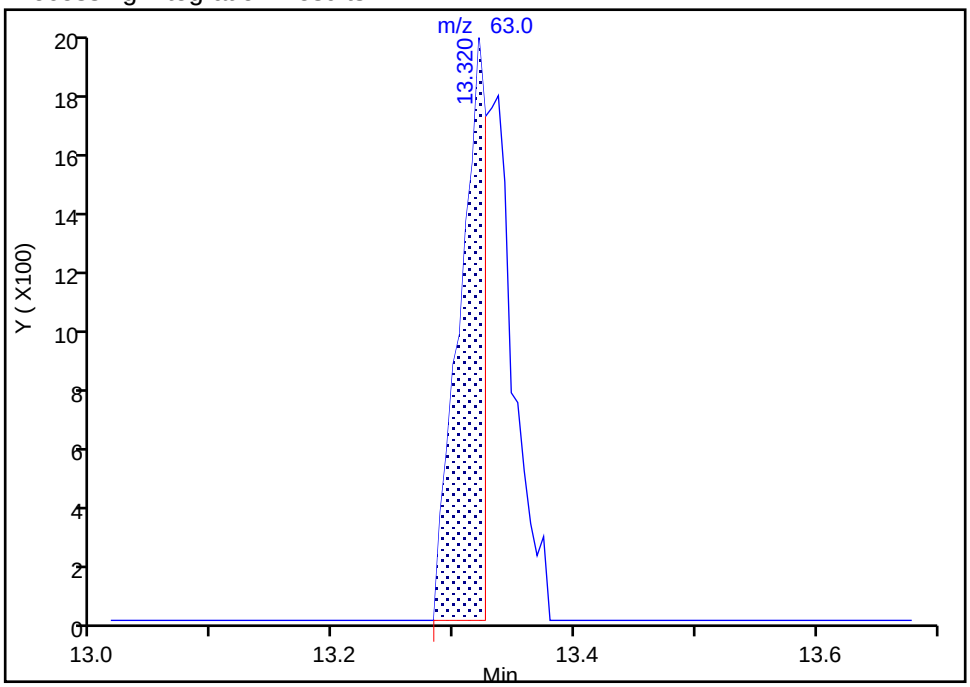
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20180412-30075.b\30075_05.D				
Injection Date:	12-Apr-2018 18:21:30	Instrument ID:	CHX.i		
Lims ID:	ic				
Client ID:					
Operator ID:	pad	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

54 1,2-Dichloropropane, CAS: 78-87-5

Signal: 1

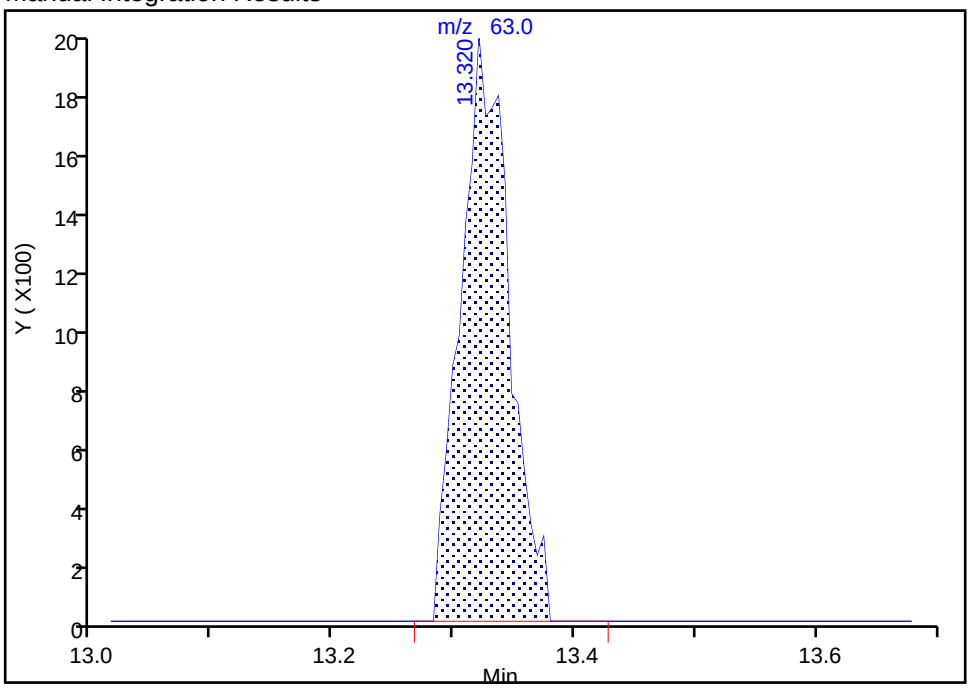
Processing Integration Results

RT: 13.32
Area: 2985
Amount: 0.115813
Amount Units: ppb v/v



Manual Integration Results

RT: 13.32
Area: 5488
Amount: 0.193462
Amount Units: ppb v/v



Reviewer: daiglep, 13-Apr-2018 08:48:43

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Burlington

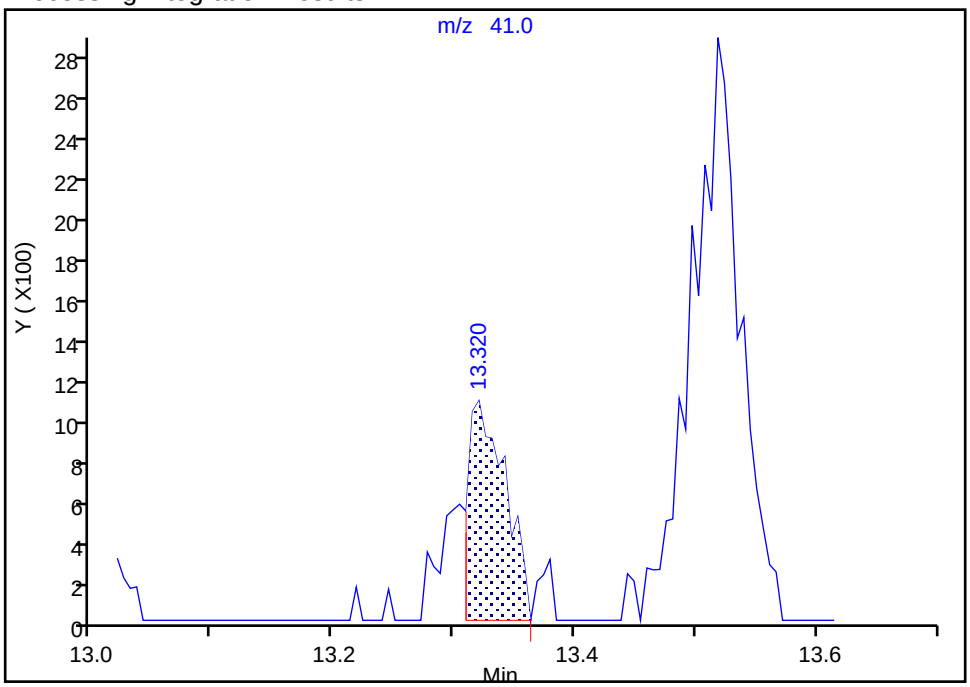
Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180412-30075.b\30075_05.D
Injection Date: 12-Apr-2018 18:21:30 Instrument ID: CHX.i
Lims ID: ic
Client ID:
Operator ID: pad ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_X.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

54 1,2-Dichloropropane, CAS: 78-87-5

Signal: 2

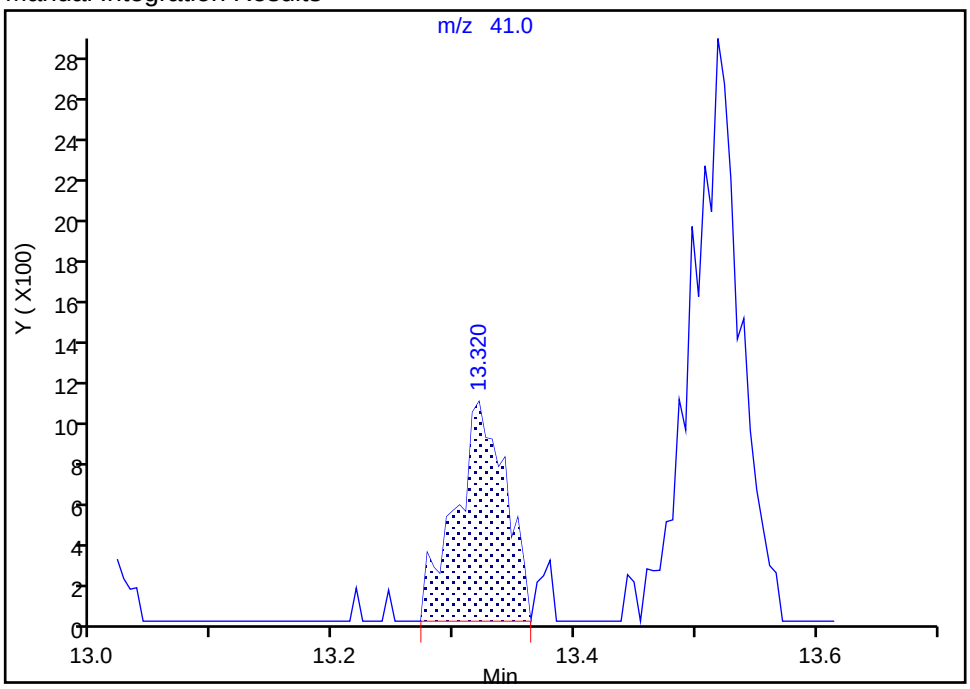
Processing Integration Results

RT: 13.32
Area: 2260
Amount: 0.115813
Amount Units: ppb v/v



Manual Integration Results

RT: 13.32
Area: 3032
Amount: 0.193462
Amount Units: ppb v/v



Reviewer: daiglep, 13-Apr-2018 08:48:48
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Burlington

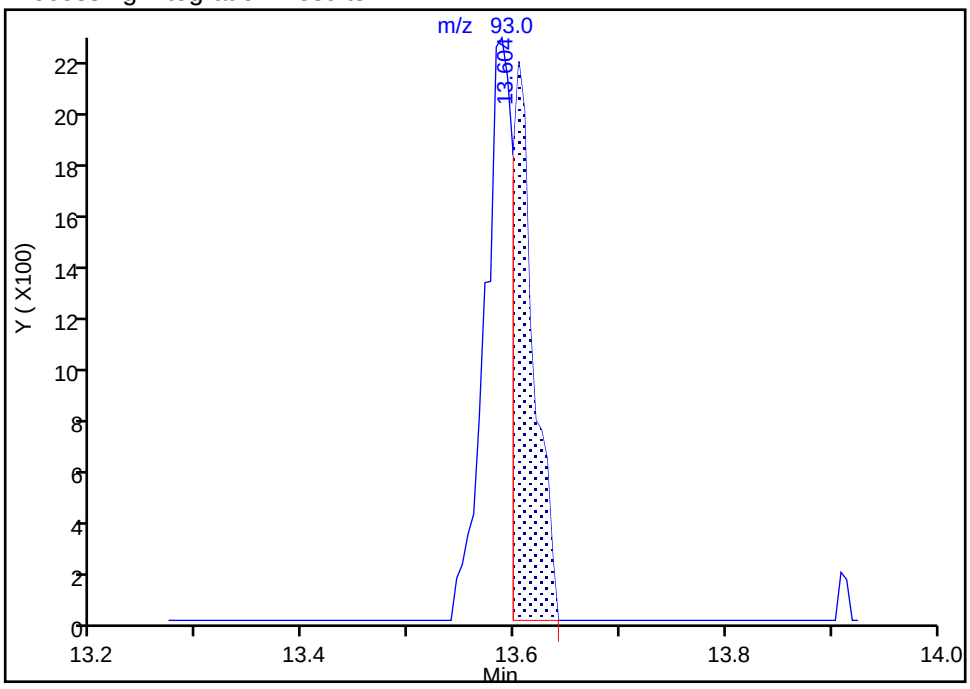
Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180412-30075.b\30075_05.D
Injection Date: 12-Apr-2018 18:21:30 Instrument ID: CHX.i
Lims ID: ic
Client ID:
Operator ID: pad ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_X.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

57 Dibromomethane, CAS: 74-95-3

Signal: 2

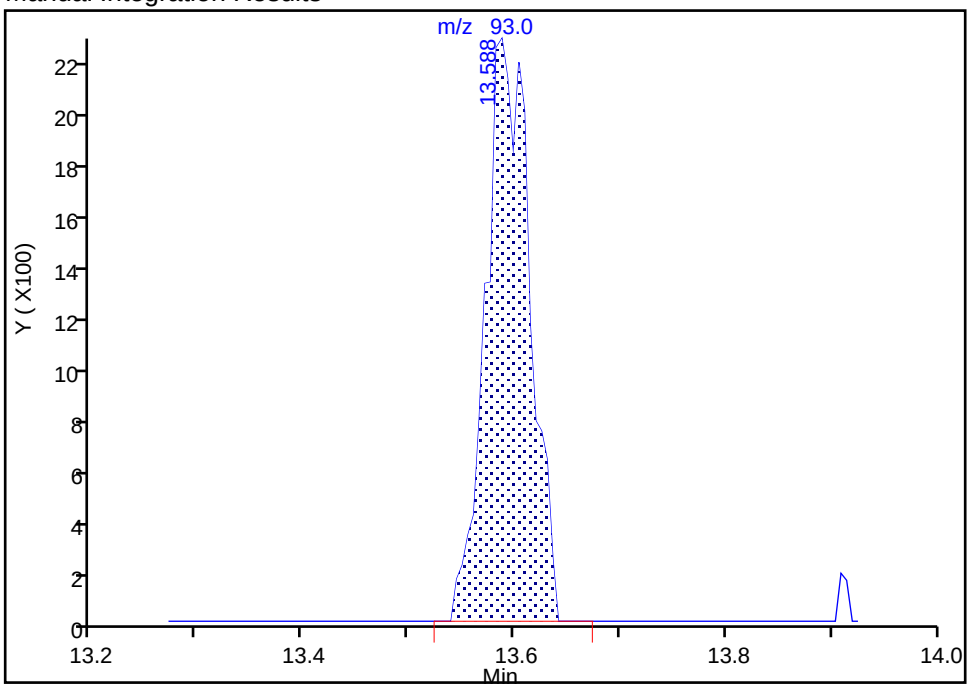
Processing Integration Results

RT: 13.60
Area: 2995
Amount: 0.204971
Amount Units: ppb v/v



Manual Integration Results

RT: 13.59
Area: 6509
Amount: 0.207823
Amount Units: ppb v/v



Reviewer: daiglep, 13-Apr-2018 08:48:57
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Burlington

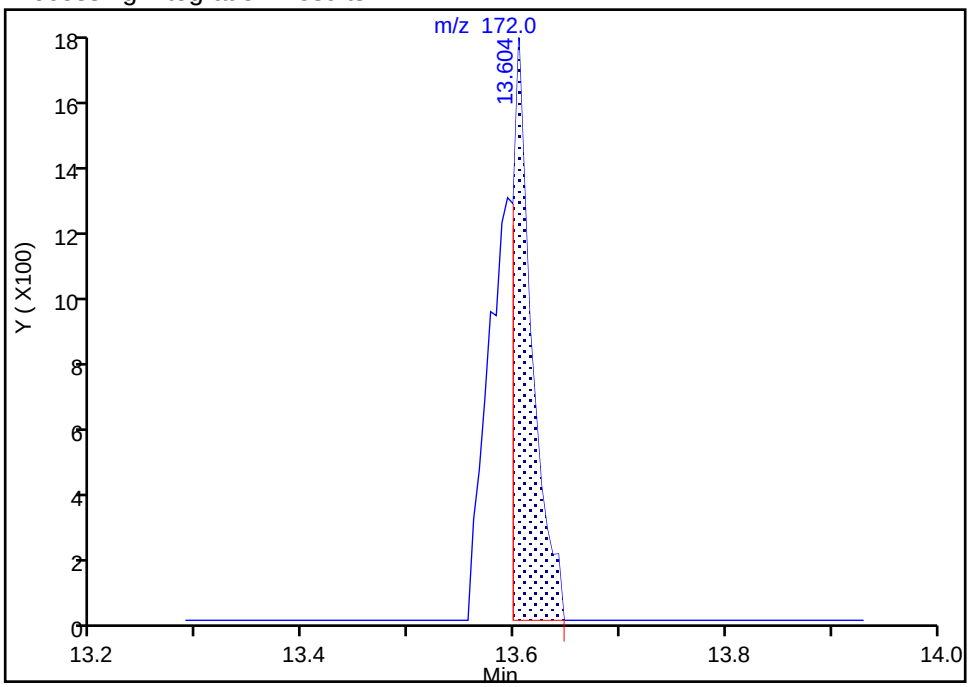
Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180412-30075.b\30075_05.D
Injection Date: 12-Apr-2018 18:21:30 Instrument ID: CHX.i
Lims ID: ic
Client ID:
Operator ID: pad ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_X.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

57 Dibromomethane, CAS: 74-95-3

Signal: 3

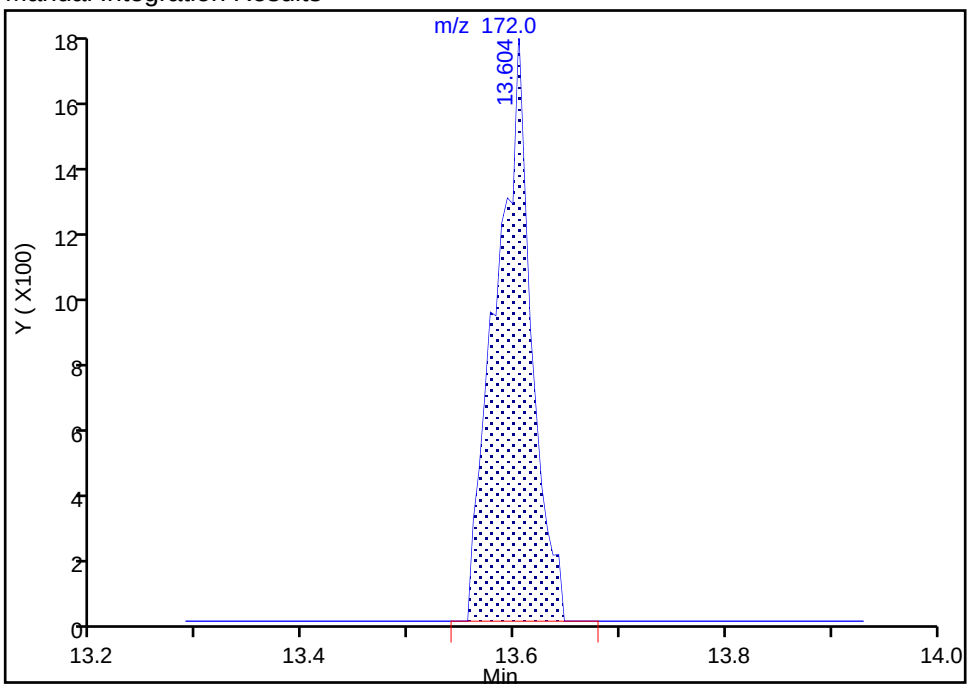
Processing Integration Results

RT: 13.60
Area: 2256
Amount: 0.204971
Amount Units: ppb v/v



Manual Integration Results

RT: 13.60
Area: 4133
Amount: 0.207823
Amount Units: ppb v/v



Reviewer: daiglep, 13-Apr-2018 08:48:59
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Burlington

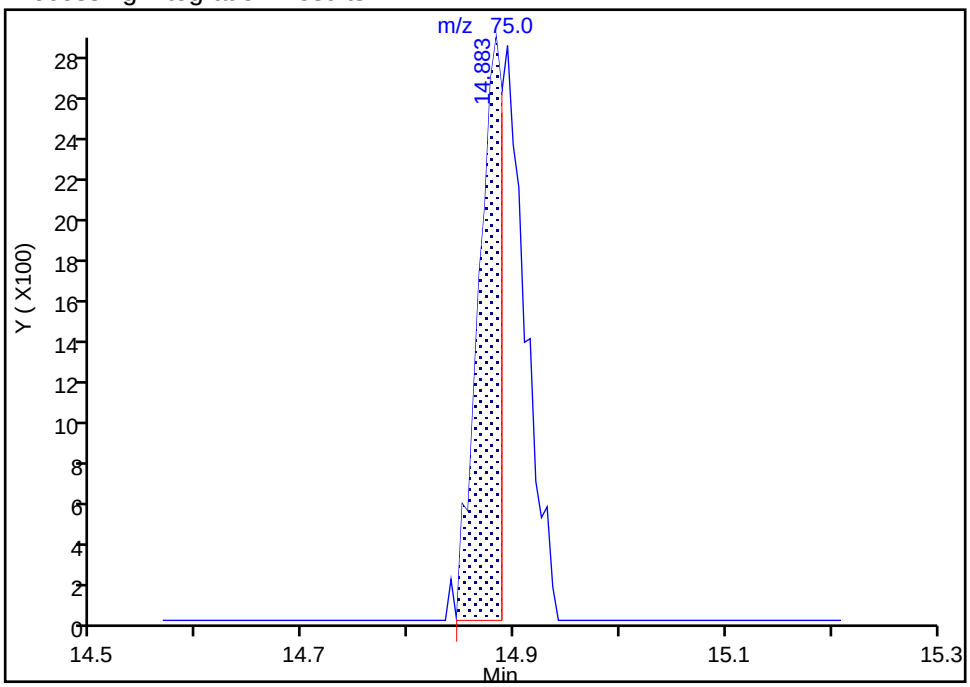
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20180412-30075.b\30075_05.D				
Injection Date:	12-Apr-2018 18:21:30	Instrument ID:	CHX.i		
Lims ID:	ic				
Client ID:					
Operator ID:	pad	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

60 cis-1,3-Dichloropropene, CAS: 10061-01-5

Signal: 1

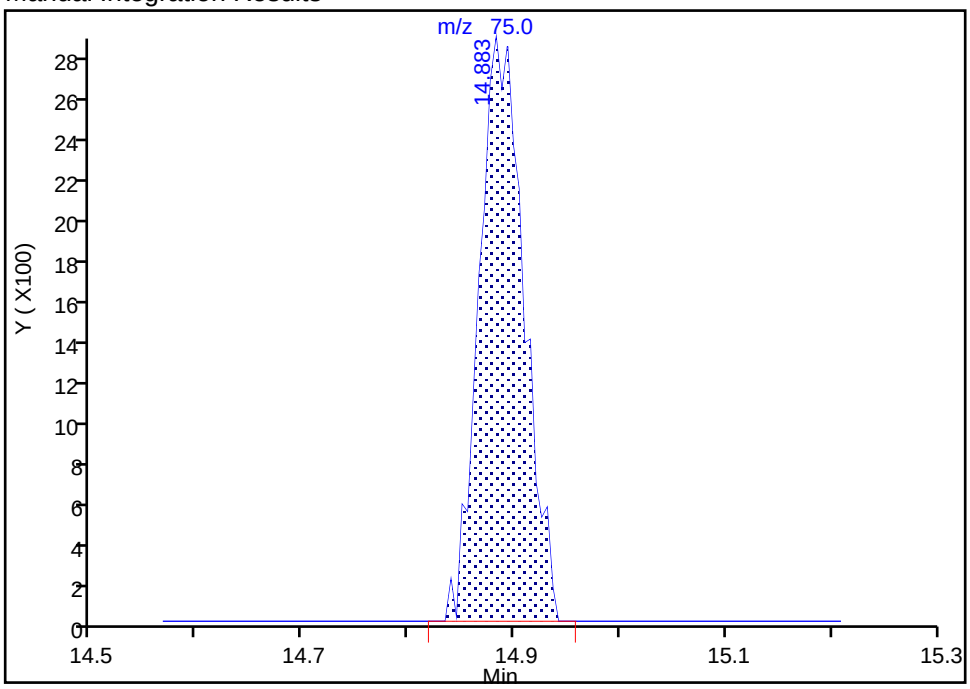
Processing Integration Results

RT: 14.88
Area: 4548
Amount: 0.112098
Amount Units: ppb v/v



Manual Integration Results

RT: 14.88
Area: 8470
Amount: 0.191407
Amount Units: ppb v/v



Reviewer: daiglep, 13-Apr-2018 08:49:07

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Burlington

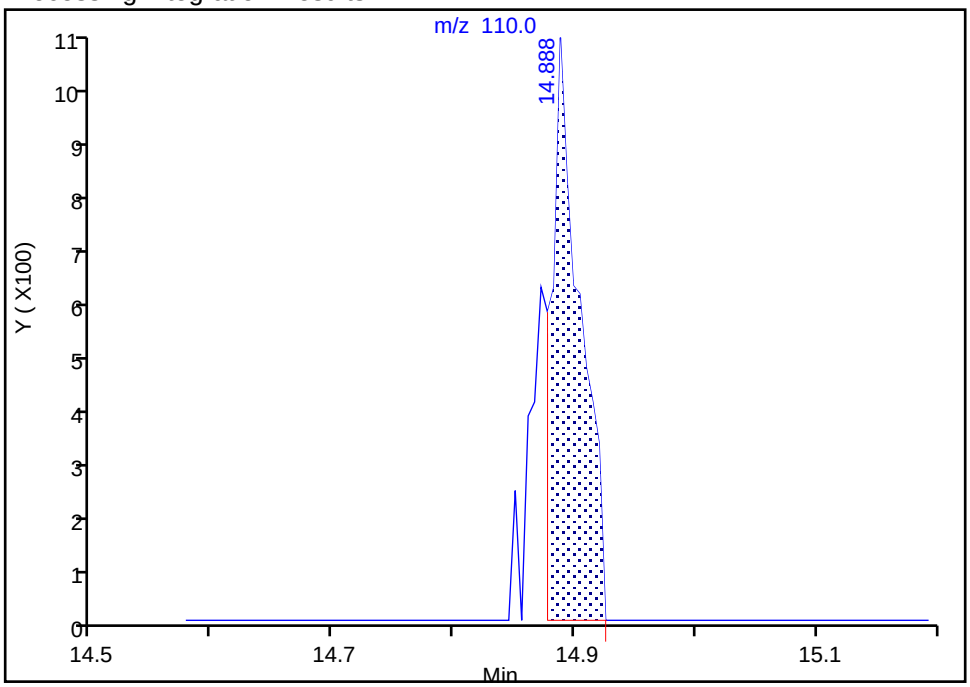
Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180412-30075.b\30075_05.D
Injection Date: 12-Apr-2018 18:21:30 Instrument ID: CHX.i
Lims ID: ic
Client ID:
Operator ID: pad ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_X.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

60 cis-1,3-Dichloropropene, CAS: 10061-01-5

Signal: 2

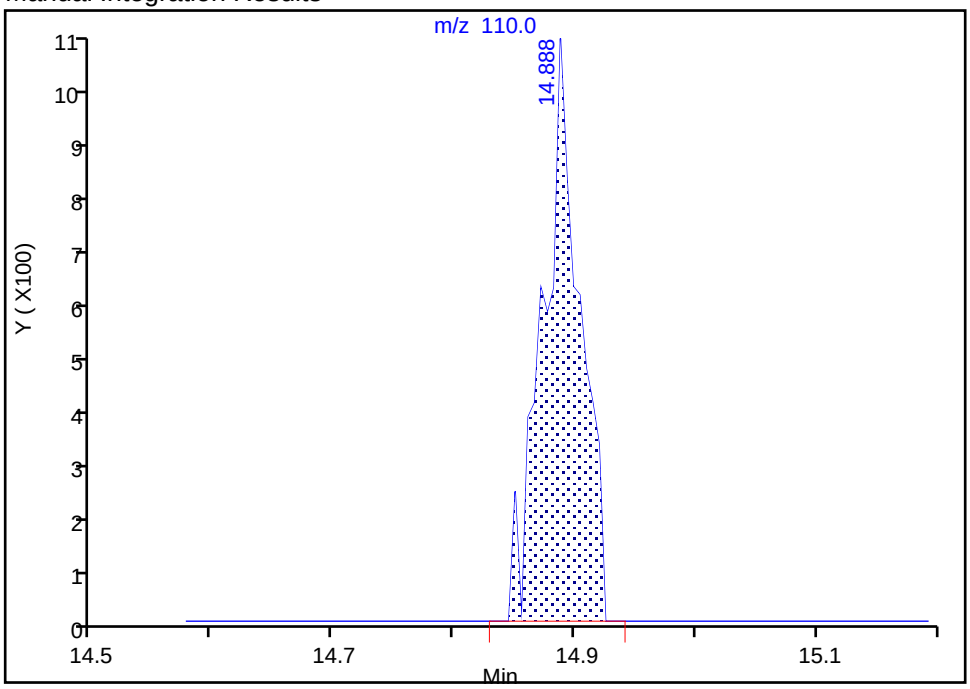
Processing Integration Results

RT: 14.89
Area: 1769
Amount: 0.112098
Amount Units: ppb v/v



Manual Integration Results

RT: 14.89
Area: 2295
Amount: 0.191407
Amount Units: ppb v/v



Reviewer: daiglep, 13-Apr-2018 08:49:09
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Burlington

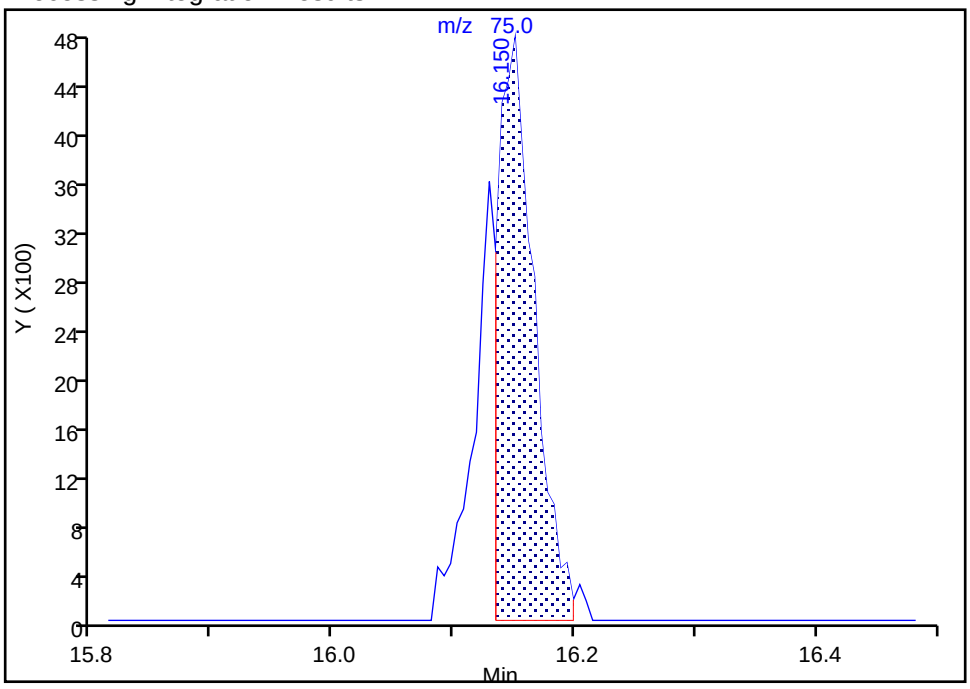
Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180412-30075.b\30075_05.D
Injection Date: 12-Apr-2018 18:21:30 Instrument ID: CHX.i
Lims ID: ic
Client ID:
Operator ID: pad ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_X.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

66 trans-1,3-Dichloropropene, CAS: 10061-02-6

Signal: 1

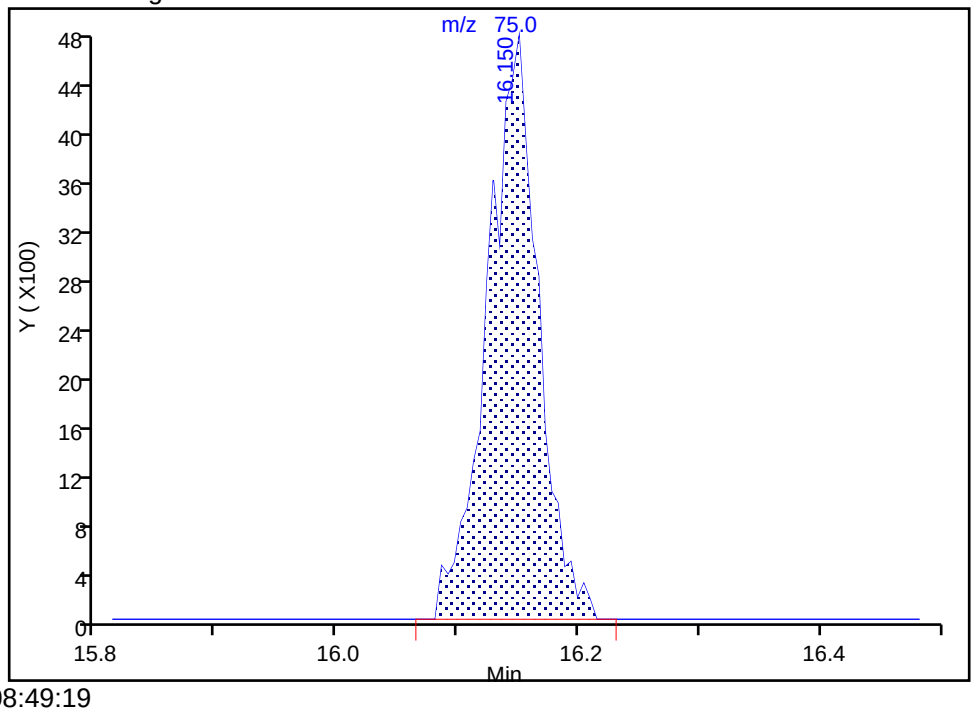
Processing Integration Results

RT: 16.15
Area: 9917
Amount: 0.212920
Amount Units: ppb v/v



Manual Integration Results

RT: 16.15
Area: 13967
Amount: 0.282355
Amount Units: ppb v/v



Reviewer: daiglep, 13-Apr-2018 08:49:19
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Burlington

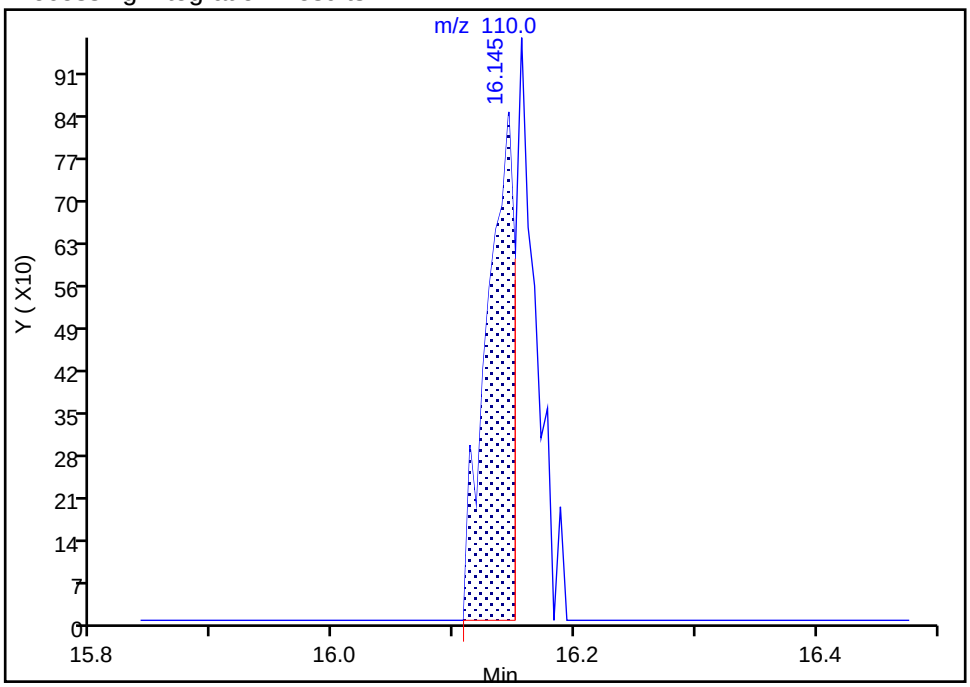
Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180412-30075.b\30075_05.D
Injection Date: 12-Apr-2018 18:21:30 Instrument ID: CHX.i
Lims ID: ic
Client ID:
Operator ID: pad ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_X.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

66 trans-1,3-Dichloropropene, CAS: 10061-02-6

Signal: 2

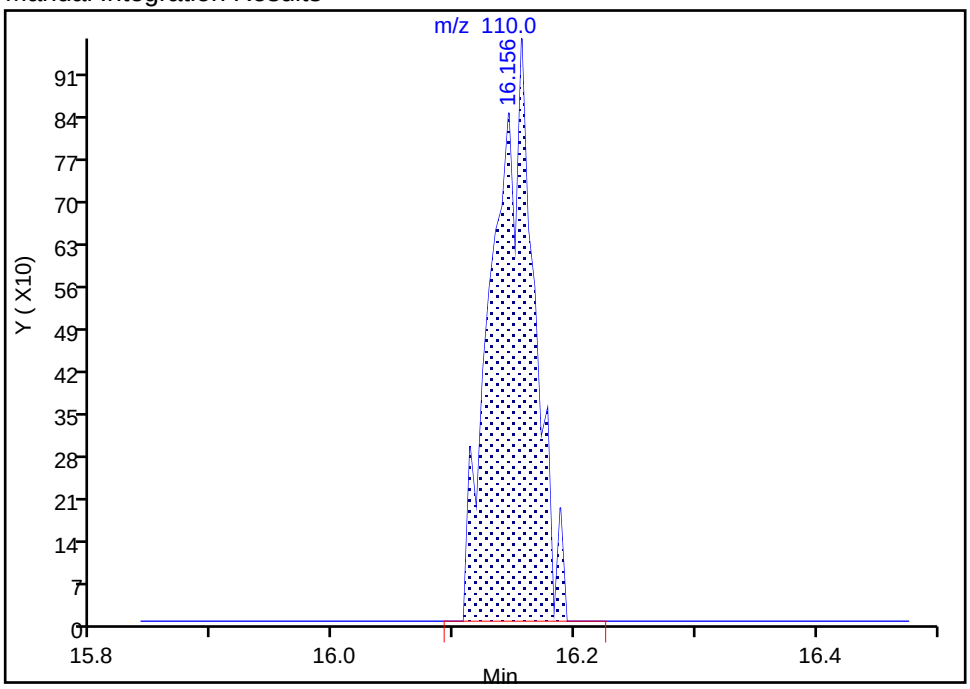
Processing Integration Results

RT: 16.15
Area: 1352
Amount: 0.212920
Amount Units: ppb v/v



Manual Integration Results

RT: 16.16
Area: 2319
Amount: 0.282355
Amount Units: ppb v/v



Reviewer: daiglep, 13-Apr-2018 08:49:22
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Burlington

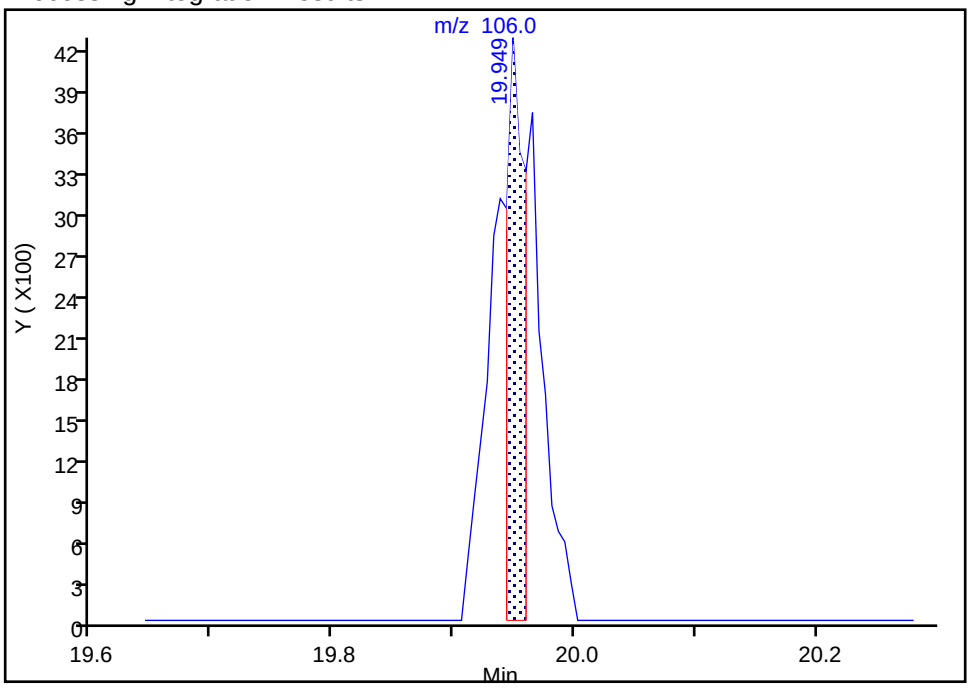
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20180412-30075.b\30075_05.D				
Injection Date:	12-Apr-2018 18:21:30	Instrument ID:	CHX.i		
Lims ID:	ic				
Client ID:					
Operator ID:	pad	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

79 o-Xylene, CAS: 95-47-6

Signal: 1

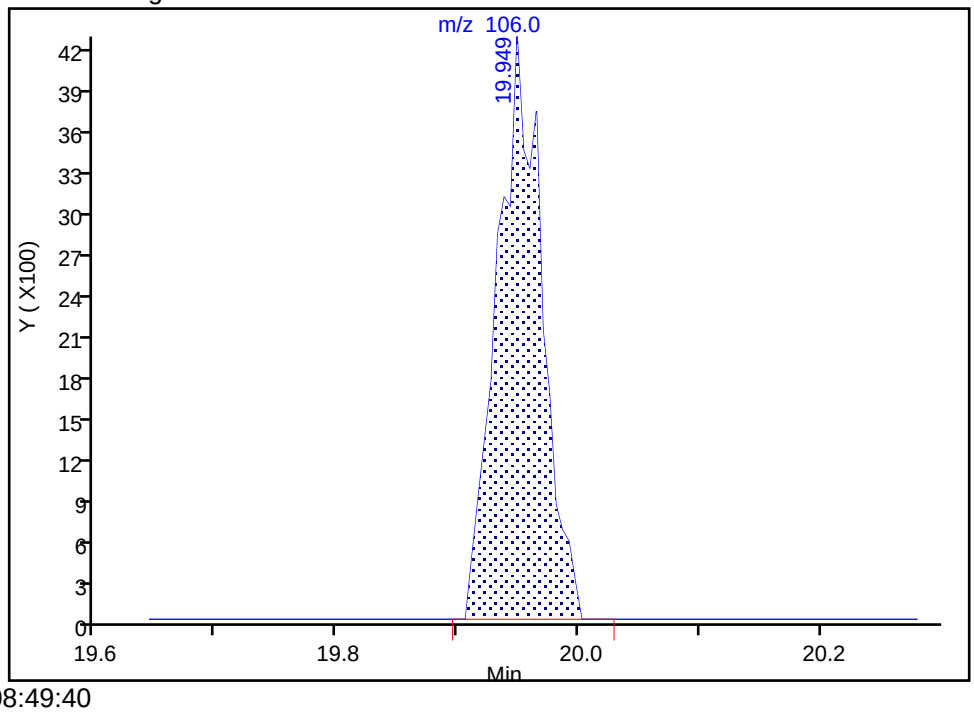
Processing Integration Results

RT: 19.95
Area: 4430
Amount: 0.094424
Amount Units: ppb v/v



Manual Integration Results

RT: 19.95
Area: 10821
Amount: 0.205349
Amount Units: ppb v/v



Reviewer: daiglep, 13-Apr-2018 08:49:40

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180412-30075.b\30075_06.D
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 12-Apr-2018 19:11:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0030075-006
Operator ID: pad Instrument ID: CHX.i
Sublist: chrom-TO15_MasterMethod_X.m*sub1

Method: \\ChromNA\Burlington\ChromData\CHX.i\20180412-30075.b\TO15_MasterMethod_X.m.m
Limit Group: AI_TO15_ICAL
Last Update: 13-Apr-2018 09:12:51 Calib Date: 12-Apr-2018 23:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHX.i\20180412-30075.b\30075_11.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK030

First Level Reviewer: daiglep Date: 13-Apr-2018 08:53:09

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	3.049	3.044	0.005	92	7473	0.5005	0.6589	
2 Dichlorodifluoromethane	85	3.108	3.108	0.000	99	25684	0.5005	0.5577	
3 Chlorodifluoromethane	51	3.162	3.156	0.006	97	13941	0.5005	0.5569	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.354	3.354	0.000	85	24269	0.5005	0.5353	
5 Chloromethane	50	3.493	3.488	0.005	99	7935	0.5005	0.5606	
6 Butane	43	3.664	3.664	0.000	99	14005	0.5005	0.5702	
7 Vinyl chloride	62	3.713	3.713	0.000	97	9344	0.5005	0.5516	
8 Butadiene	54	3.782	3.782	0.000	95	7450	0.5005	0.5747	
10 Bromomethane	94	4.413	4.413	0.000	97	9367	0.5005	0.5391	
11 Chloroethane	64	4.638	4.633	0.005	92	4474	0.5005	0.5533	
12 2-Methylbutane	43	4.686	4.697	-0.011	95	10480	0.5005	0.5923	
13 Vinyl bromide	106	4.997	4.996	0.000	95	9783	0.5005	0.5316	
14 Trichlorofluoromethane	101	5.082	5.093	-0.011	99	26467	0.5005	0.5281	
16 Pentane	43	5.205	5.221	-0.016	97	14910	0.5005	0.5599	
17 Ethanol	45	5.649	5.638	0.011	98	28123	5.01	5.08	
18 Ethyl ether	59	5.735	5.713	0.022	90	5567	0.5005	0.5376	
19 Acrolein	56	6.109	6.104	0.005	38	2920	0.5005	0.7188	
20 1,1,2-Trichloro-1,2,2-trif	101	6.104	6.109	-0.005	95	18865	0.5005	0.5421	
21 1,1-Dichloroethene	96	6.157	6.163	-0.006	98	8784	0.5005	0.5149	
22 Acetone	43	6.430	6.403	0.027	97	18880	0.5005	0.7252	
23 Carbon disulfide	76	6.553	6.548	0.005	97	22892	0.5005	0.5269	
24 Isopropyl alcohol	45	6.714	6.687	0.027	99	19470	0.5005	0.7361	
25 3-Chloro-1-propene	41	6.933	6.933	0.000	77	9354	0.5005	0.5406	M
26 Acetonitrile	41	7.083	7.083	0.000	95	6207	0.5005	0.5449	
27 Methylene Chloride	49	7.222	7.227	-0.005	93	10128	0.5005	0.5824	
28 2-Methyl-2-propanol	59	7.489	7.452	0.037	76	17972	0.5005	0.5038	
29 Methyl tert-butyl ether	73	7.650	7.623	0.027	97	25021	0.5005	0.5075	
31 trans-1,2-Dichloroethene	61	7.650	7.661	-0.011	91	12888	0.5005	0.5420	
32 Acrylonitrile	53	7.837	7.826	0.011	96	5830	0.5005	0.5298	
33 Hexane	57	8.024	8.035	-0.011	92	12957	0.5005	0.5424	
34 1,1-Dichloroethane	63	8.538	8.538	0.000	99	16126	0.5005	0.5217	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
35 Vinyl acetate	43	8.624	8.618	0.006	99	21224	0.5005	0.5204	
S 30 1,2-Dichloroethene, Total	61				0		1.00	1.08	
37 cis-1,2-Dichloroethene	96	9.672	9.677	-0.005	94	10775	0.5005	0.5417	
38 2-Butanone (MEK)	72	9.752	9.742	0.010	97	5330	0.5005	0.5648	
39 Ethyl acetate	88	9.790	9.774	0.016	95	804	0.5005	0.5700	
* 40 Chlorobromomethane	128	10.159	10.164	-0.005	83	210198	10.0	10.0	
41 Tetrahydrofuran	42	10.196	10.170	0.026	93	11937	0.5005	0.5813	
42 Chloroform	83	10.287	10.298	-0.011	97	21872	0.5005	0.5249	
43 Cyclohexane	84	10.539	10.533	0.006	84	14347	0.5005	0.5294	M
44 1,1,1-Trichloroethane	97	10.582	10.582	0.000	95	22892	0.5005	0.5048	
45 Carbon tetrachloride	117	10.833	10.838	-0.005	98	25189	0.5005	0.5286	
46 Isooctane	57	11.282	11.288	-0.006	98	52067	0.5005	0.5182	
47 Benzene	78	11.331	11.336	-0.005	96	34252	0.5005	0.5260	
48 1,2-Dichloroethane	62	11.528	11.539	-0.011	97	15974	0.5005	0.5542	
49 n-Heptane	43	11.694	11.700	-0.006	90	19593	0.5005	0.5142	
* 50 1,4-Difluorobenzene	114	12.235	12.235	0.000	93	1109174	10.0	10.0	
52 n-Butanol	56	12.721	12.689	0.032	53	9213	0.5005	0.6622	
53 Trichloroethene	95	12.727	12.727	0.000	97	16211	0.5005	0.5061	
A 51 GRO	1	13.198	(4.687-21.708)		0	8896516	0.5005	0	
54 1,2-Dichloropropane	63	13.326	13.326	0.000	92	13421	0.5005	0.5314	
55 Methyl methacrylate	69	13.513	13.513	0.000	97	13469	0.5005	0.5353	
56 1,4-Dioxane	88	13.599	13.572	0.027	44	9201	0.5005	0.6171	
57 Dibromomethane	174	13.593	13.599	-0.006	87	18624	0.5005	0.5115	
58 Dichlorobromomethane	83	13.904	13.914	-0.010	99	25866	0.5005	0.5094	
60 cis-1,3-Dichloropropene	75	14.888	14.893	-0.005	93	20040	0.5005	0.5087	
A 59 TVOC as Toluene	92	15.102	(3.034-27.170)		0	12179846	0.5005	0	
61 4-Methyl-2-pentanone (MIBK	43	15.220	15.204	0.016	98	29252	0.5005	0.5436	
65 Toluene	92	15.493	15.503	-0.010	93	27489	0.5005	0.5164	
64 n-Octane	43	15.557	15.557	0.000	92	29079	0.5005	0.5149	
66 trans-1,3-Dichloropropene	75	16.140	16.145	-0.005	93	22395	0.5005	0.5085	
67 1,1,2-Trichloroethane	83	16.541	16.541	0.000	97	13217	0.5005	0.5108	M
68 Tetrachloroethene	166	16.627	16.632	-0.005	96	27582	0.5005	0.5057	
69 2-Hexanone	43	17.039	17.017	0.022	94	30943	0.5005	0.5843	
71 Chlorodibromomethane	129	17.344	17.338	0.006	99	27897	0.5005	0.4918	
72 Ethylene Dibromide	107	17.616	17.616	0.000	100	25213	0.5005	0.5047	
* 74 Chlorobenzene-d5	117	18.563	18.563	0.000	84	1038930	10.0	10.0	
75 Chlorobenzene	112	18.622	18.628	-0.006	96	38343	0.5005	0.4982	
76 Ethylbenzene	91	18.793	18.793	0.000	97	60180	0.5005	0.5032	
77 n-Nonane	57	18.922	18.927	-0.005	88	27555	0.5005	0.5155	
78 m-Xylene & p-Xylene	106	19.050	19.061	-0.011	0	48886	1.00	1.00	
S 73 Xylenes, Total	106				0		1.50	1.50	
79 o-Xylene	106	19.949	19.954	-0.005	97	24621	0.5005	0.5041	
80 Styrene	104	20.008	20.013	-0.005	94	35919	0.5005	0.4782	
81 Bromoform	173	20.484	20.484	0.000	97	24470	0.5005	0.4492	
82 Isopropylbenzene	105	20.709	20.714	-0.005	95	69831	0.5005	0.4966	
84 1,1,2,2-Tetrachloroethane	83	21.436	21.441	-0.005	98	34974	0.5005	0.5108	
85 N-Propylbenzene	91	21.500	21.500	0.000	99	83511	0.5005	0.5013	
86 1,2,3-Trichloropropane	75	21.538	21.543	-0.005	96	29095	0.5005	0.5450	
87 n-Decane	57	21.698	21.698	0.000	92	33101	0.5005	0.4989	
88 4-Ethyltoluene	105	21.704	21.709	-0.005	96	70309	0.5005	0.4990	
89 2-Chlorotoluene	91	21.714	21.714	0.000	95	56561	0.5005	0.4915	
90 1,3,5-Trimethylbenzene	105	21.821	21.821	0.000	93	58124	0.5005	0.4987	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
91 Alpha Methyl Styrene	118	22.212	22.217	-0.005	88	29163	0.5005	0.4854	
92 tert-Butylbenzene	119	22.346	22.346	0.000	95	57421	0.5005	0.5036	
93 1,2,4-Trimethylbenzene	105	22.442	22.447	-0.005	97	58309	0.5005	0.5029	
94 sec-Butylbenzene	105	22.688	22.688	0.000	99	82594	0.5005	0.4921	
95 4-Isopropyltoluene	119	22.902	22.902	0.000	97	70333	0.5005	0.4855	
96 1,3-Dichlorobenzene	146	22.929	22.929	0.000	95	44230	0.5005	0.4936	
97 1,4-Dichlorobenzene	146	23.073	23.073	0.000	95	45310	0.5005	0.4980	
98 Benzyl chloride	91	23.282	23.282	0.000	100	48148	0.5005	0.5092	
100 n-Butylbenzene	91	23.496	23.496	0.000	96	62888	0.5005	0.4913	
99 Undecane	57	23.528	23.528	0.000	96	31798	0.5005	0.4909	
101 1,2-Dichlorobenzene	146	23.624	23.624	0.000	97	42489	0.5005	0.5059	
102 Dodecane	57	25.154	25.149	0.005	98	24641	0.5005	0.5606	
103 1,2,4-Trichlorobenzene	180	26.187	26.187	0.000	92	35011	0.5005	0.5491	
104 Hexachlorobutadiene	225	26.374	26.374	0.000	97	31270	0.5005	0.4792	
105 Naphthalene	128	26.679	26.684	-0.005	99	84759	0.5005	0.6495	
106 1,2,3-Trichlorobenzene	180	27.166	27.160	0.006	95	28926	0.5005	0.5186	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

ATTO15CAL2w_00263	Amount Added: 200.00	Units: mL	
ATTO15XISs_00002	Amount Added: 20.00	Units: mL	Run Reagent

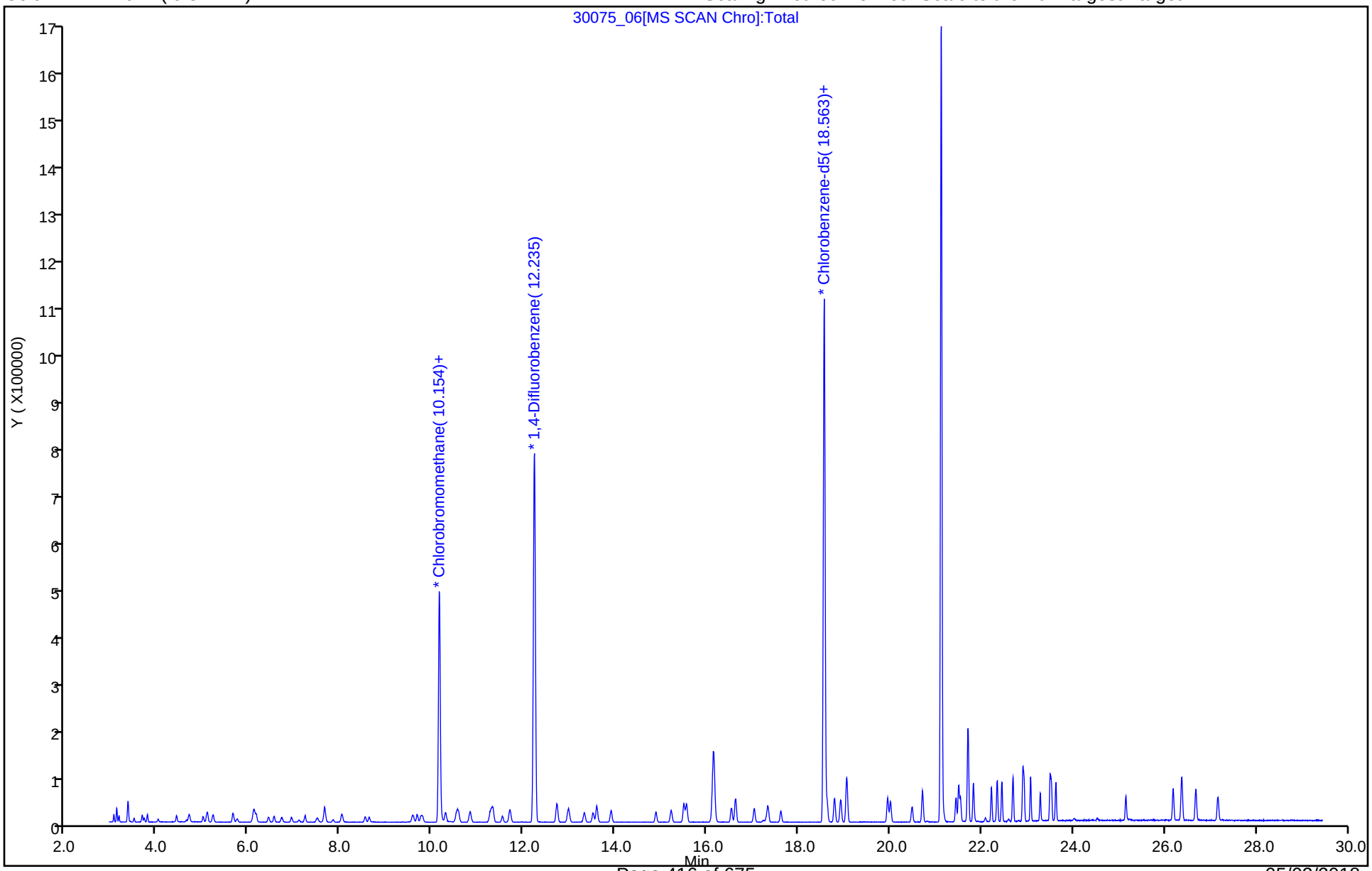
Report Date: 13-Apr-2018 09:12:52 Chrom Revision: 2.2 13-Mar-2018 08:45:20

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180412-30075.b\30075_06.D

Injection Date:	12-Apr-2018 19:11:30	Instrument ID:	CHX.i	Operator ID:	pad
Lims ID:	ic			Worklist Smp#:	6
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

TestAmerica Burlington

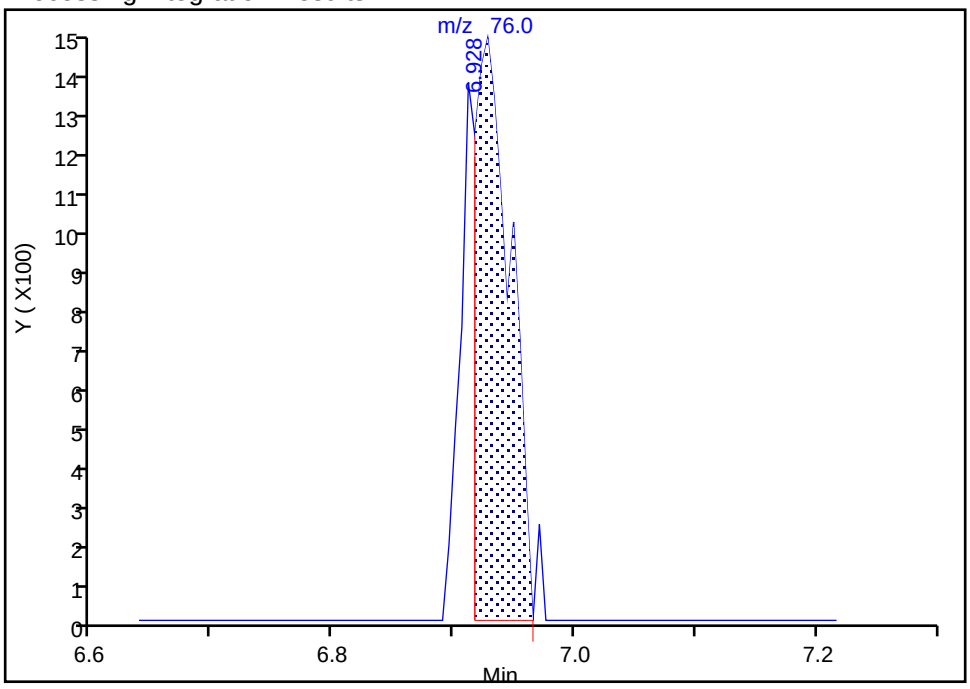
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20180412-30075.b\30075_06.D				
Injection Date:	12-Apr-2018 19:11:30	Instrument ID:	CHX.i		
Lims ID:	ic				
Client ID:					
Operator ID:	pad	ALS Bottle#:	5	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

25 3-Chloro-1-propene, CAS: 107-05-1

Signal: 2

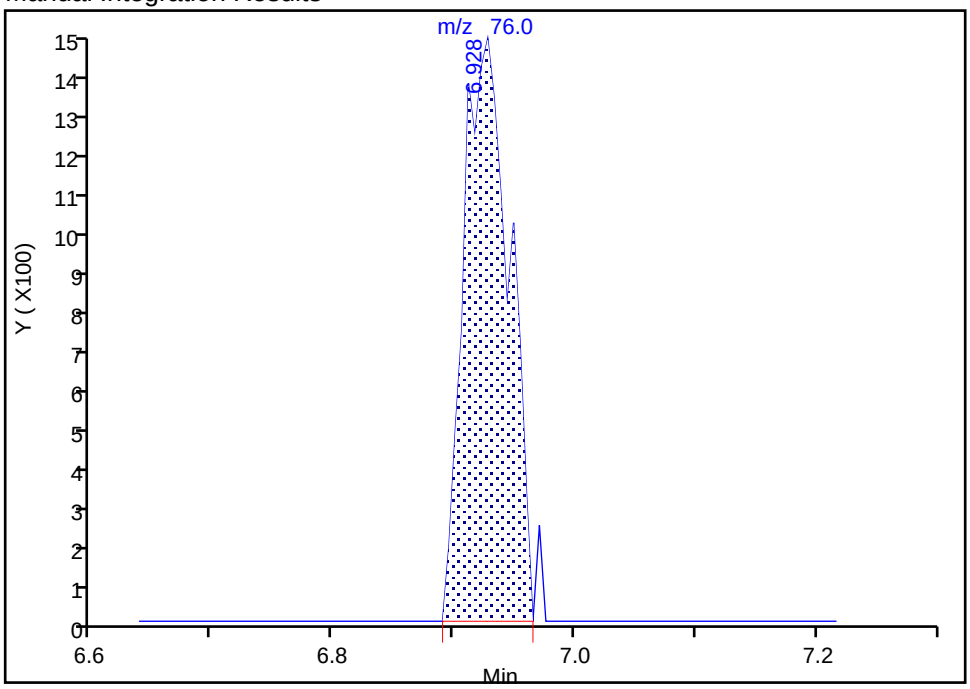
Processing Integration Results

RT: 6.93
Area: 2852
Amount: 0.335355
Amount Units: ppb v/v



Manual Integration Results

RT: 6.93
Area: 3703
Amount: 0.540554
Amount Units: ppb v/v



Reviewer: daiglep, 13-Apr-2018 08:51:25

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Burlington

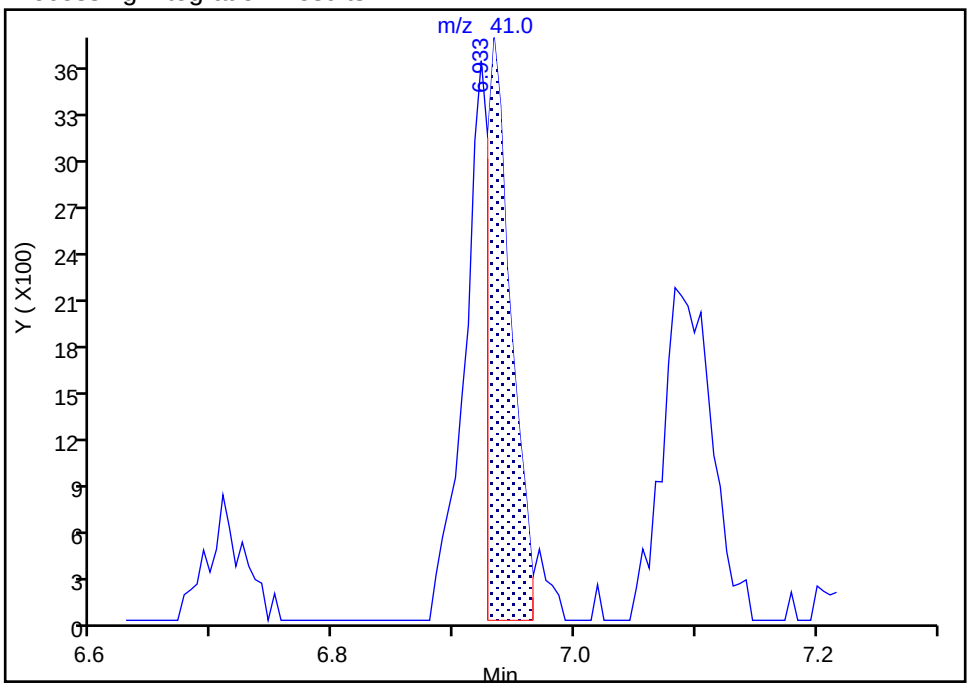
Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180412-30075.b\30075_06.D
Injection Date: 12-Apr-2018 19:11:30 Instrument ID: CHX.i
Lims ID: ic
Client ID:
Operator ID: pad ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_X.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

25 3-Chloro-1-propene, CAS: 107-05-1

Signal: 1

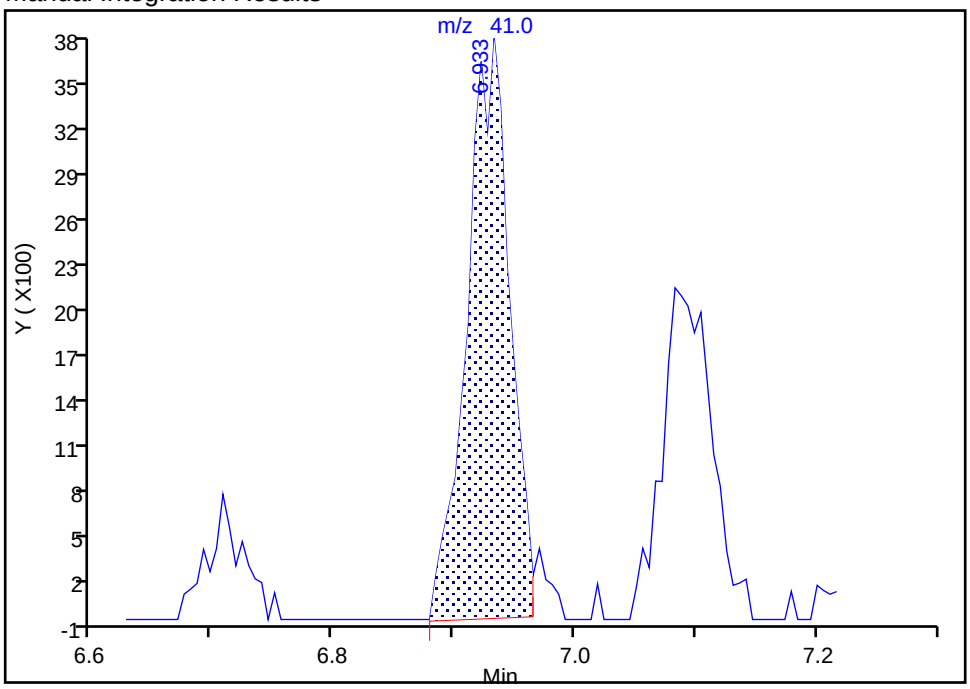
Processing Integration Results

RT: 6.93
Area: 5319
Amount: 0.335355
Amount Units: ppb v/v



Manual Integration Results

RT: 6.93
Area: 9354
Amount: 0.540554
Amount Units: ppb v/v



Reviewer: daiglep, 13-Apr-2018 08:51:36
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Burlington

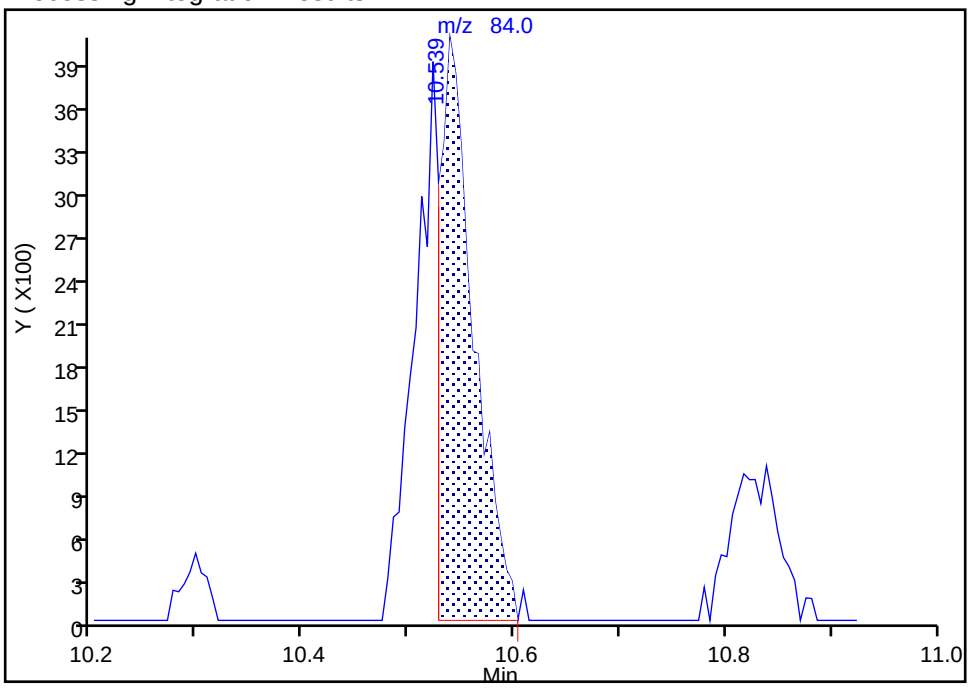
Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180412-30075.b\30075_06.D
Injection Date: 12-Apr-2018 19:11:30 Instrument ID: CHX.i
Lims ID: ic
Client ID:
Operator ID: pad ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_X.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

43 Cyclohexane, CAS: 110-82-7

Signal: 1

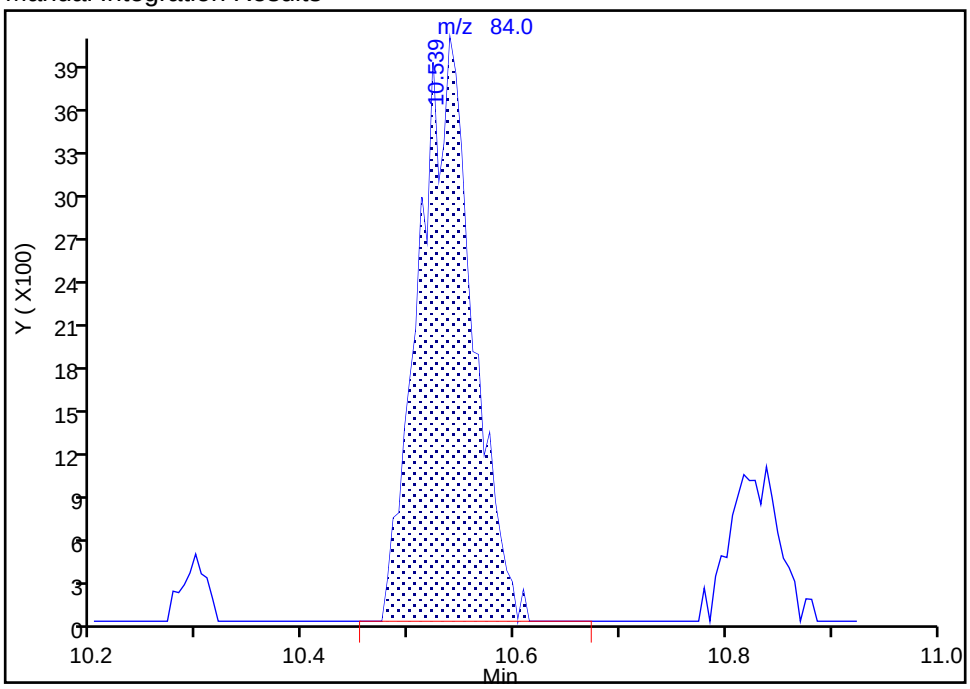
Processing Integration Results

RT: 10.54
Area: 9054
Amount: 0.353223
Amount Units: ppb v/v



Manual Integration Results

RT: 10.54
Area: 14347
Amount: 0.529377
Amount Units: ppb v/v



Reviewer: daiglep, 13-Apr-2018 08:52:01
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Burlington

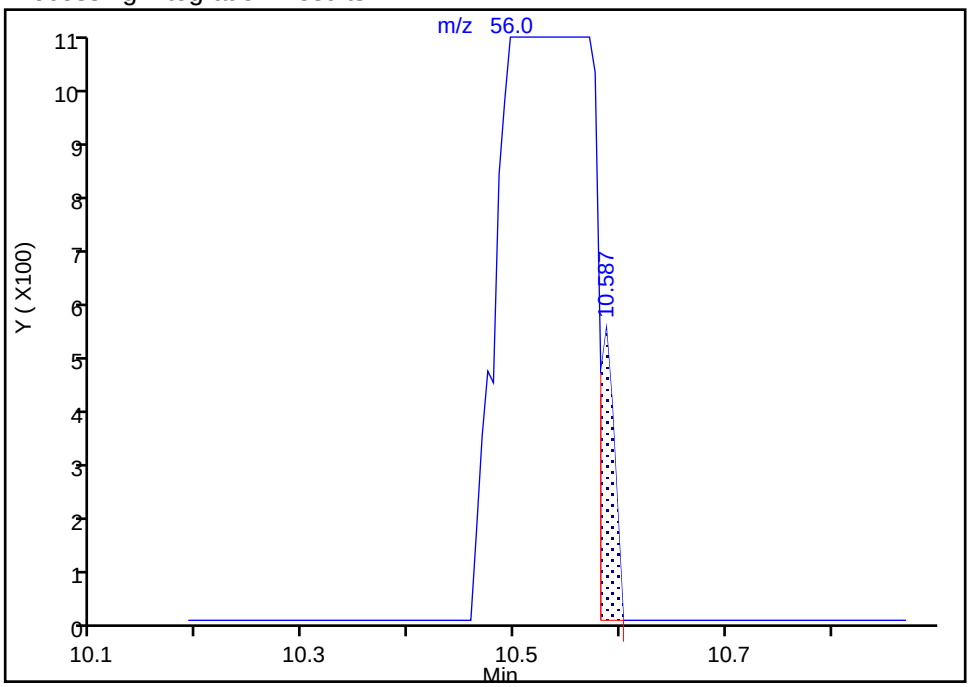
Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180412-30075.b\30075_06.D
Injection Date: 12-Apr-2018 19:11:30 Instrument ID: CHX.i
Lims ID: ic
Client ID:
Operator ID: pad ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_X.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

43 Cyclohexane, CAS: 110-82-7

Signal: 2

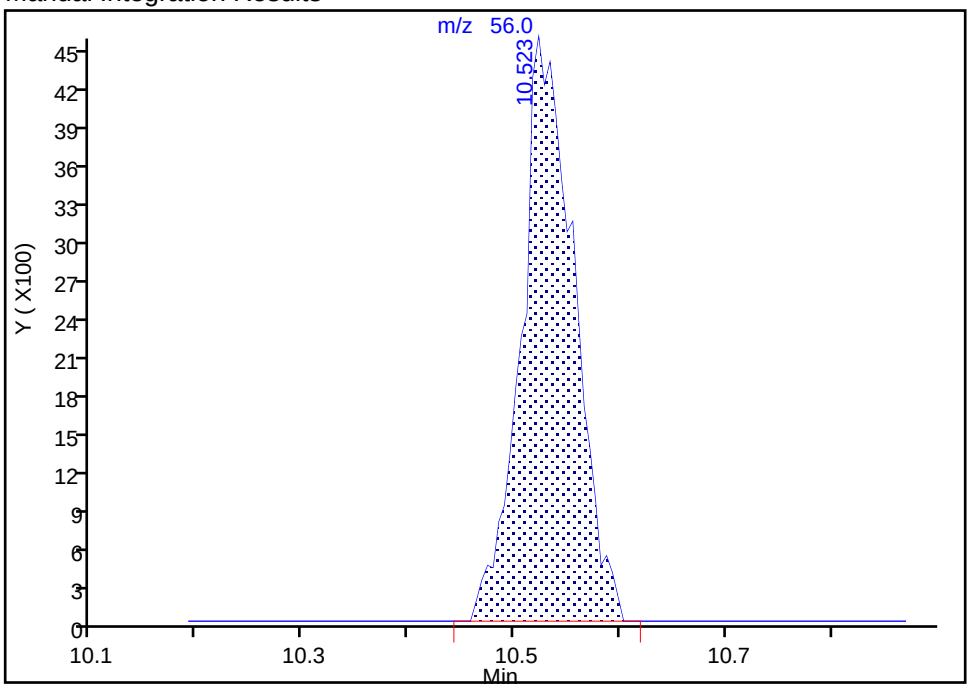
Processing Integration Results

RT: 10.59
Area: 486
Amount: 0.353223
Amount Units: ppb v/v



Manual Integration Results

RT: 10.52
Area: 15993
Amount: 0.529377
Amount Units: ppb v/v



Reviewer: daiglep, 13-Apr-2018 08:52:03
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Burlington

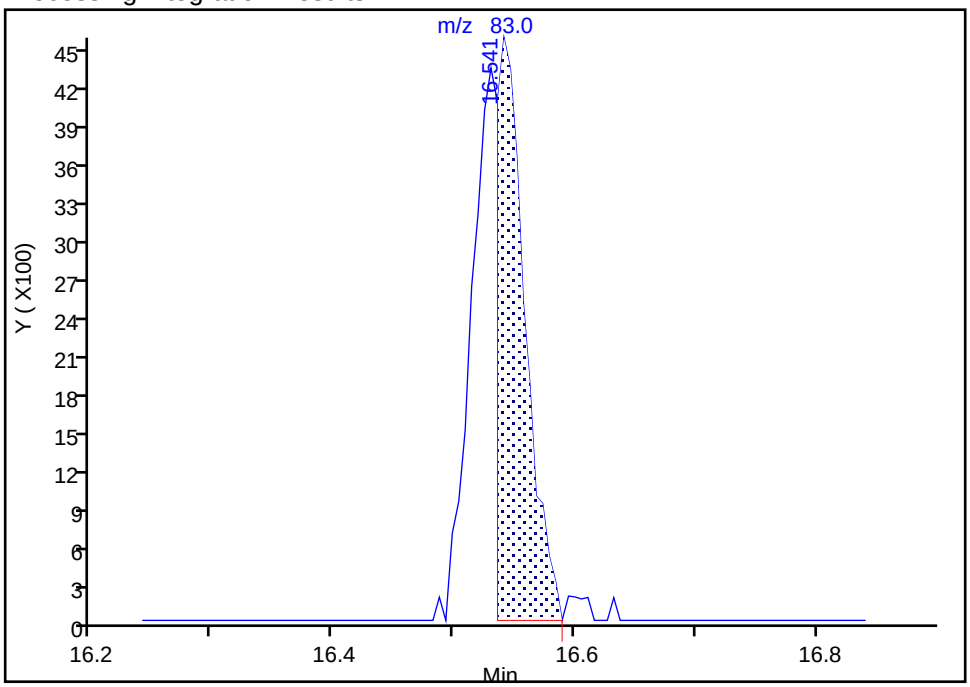
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20180412-30075.b\30075_06.D				
Injection Date:	12-Apr-2018 19:11:30	Instrument ID:	CHX.i		
Lims ID:	ic				
Client ID:					
Operator ID:	pad	ALS Bottle#:	5	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

67 1,1,2-Trichloroethane, CAS: 79-00-5

Signal: 1

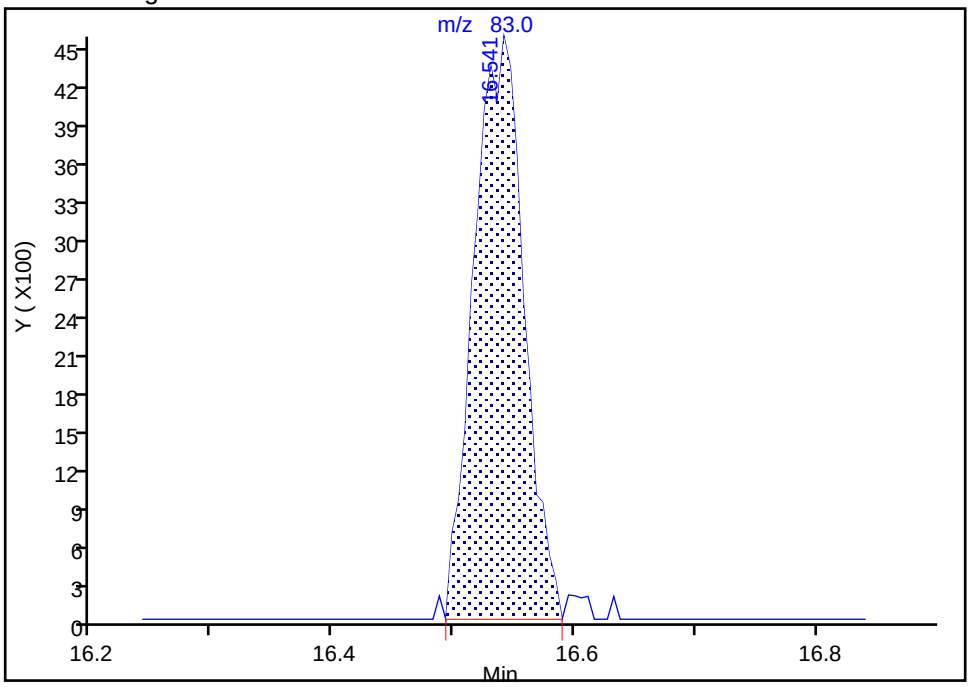
Processing Integration Results

RT: 16.54
Area: 7641
Amount: 0.313839
Amount Units: ppb v/v



Manual Integration Results

RT: 16.54
Area: 13217
Amount: 0.510808
Amount Units: ppb v/v



Reviewer: daiglep, 13-Apr-2018 08:52:30

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Burlington

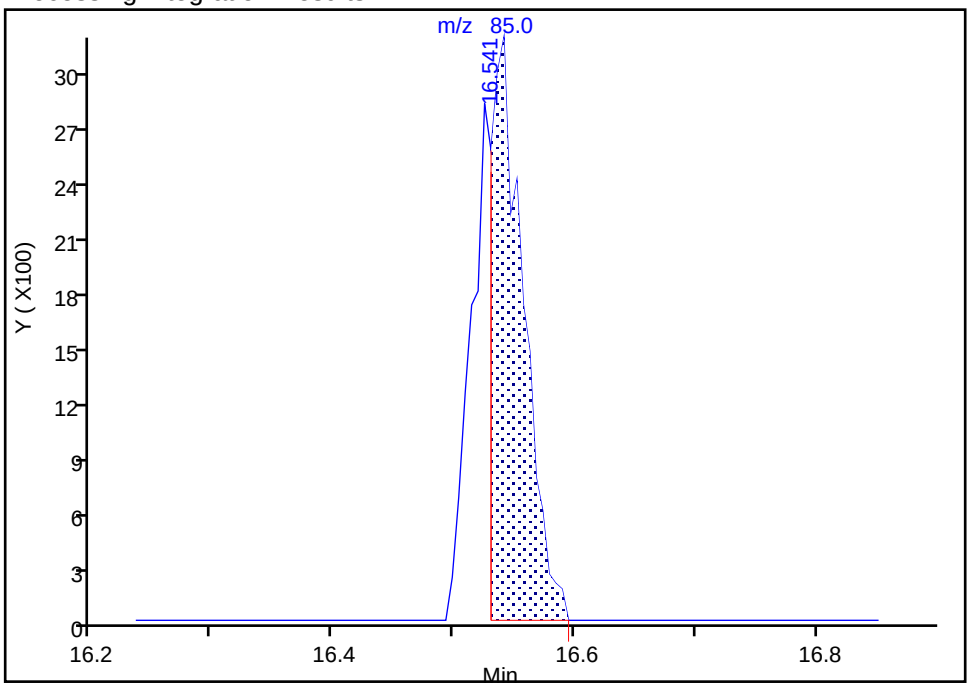
Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180412-30075.b\30075_06.D
Injection Date: 12-Apr-2018 19:11:30 Instrument ID: CHX.i
Lims ID: ic
Client ID:
Operator ID: pad ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_X.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

67 1,1,2-Trichloroethane, CAS: 79-00-5

Signal: 3

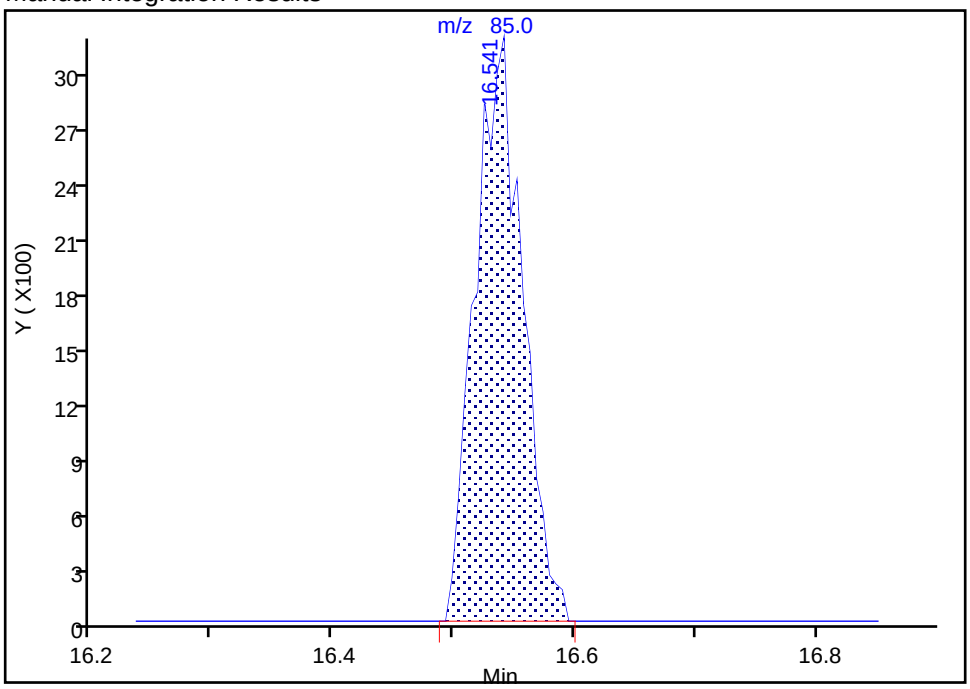
Processing Integration Results

RT: 16.54
Area: 5879
Amount: 0.313839
Amount Units: ppb v/v



Manual Integration Results

RT: 16.54
Area: 8573
Amount: 0.510808
Amount Units: ppb v/v



Reviewer: daiglep, 13-Apr-2018 08:52:34
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180412-30075.b\30075_07.D
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 12-Apr-2018 20:01:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0030075-007
Operator ID: pad Instrument ID: CHX.i
Sublist: chrom-TO15_MasterMethod_X.m*sub1

Method: \\ChromNA\Burlington\ChromData\CHX.i\20180412-30075.b\TO15_MasterMethod_X.m.m
Limit Group: AI_TO15_ICAL
Last Update: 13-Apr-2018 09:12:53 Calib Date: 12-Apr-2018 23:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHX.i\20180412-30075.b\30075_11.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK030

First Level Reviewer: daiglep Date: 13-Apr-2018 08:56:45

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	3.049	3.044	0.005	99	57075	4.99	5.36	
2 Dichlorodifluoromethane	85	3.108	3.108	0.000	99	202190	4.99	4.67	
3 Chlorodifluoromethane	51	3.156	3.156	0.000	97	119333	4.99	5.08	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.354	3.354	0.000	91	207267	4.99	4.87	
5 Chloromethane	50	3.488	3.488	0.000	99	71735	4.99	5.40	
6 Butane	43	3.670	3.664	0.006	98	117966	4.99	5.11	
7 Vinyl chloride	62	3.712	3.713	-0.001	98	80997	4.99	5.09	
8 Butadiene	54	3.782	3.782	0.000	97	60095	4.99	4.94	
10 Bromomethane	94	4.419	4.413	0.006	99	80016	4.99	4.90	
11 Chloroethane	64	4.633	4.633	0.000	99	37153	4.99	4.89	
12 2-Methylbutane	43	4.691	4.697	-0.006	92	79680	4.99	4.79	
13 Vinyl bromide	106	4.996	4.996	0.000	99	81508	4.99	4.72	
14 Trichlorofluoromethane	101	5.087	5.093	-0.006	98	228433	4.99	4.85	
16 Pentane	43	5.221	5.221	0.000	98	125309	4.99	5.01	
17 Ethanol	45	5.644	5.638	0.006	98	49922	10.0	9.60	
18 Ethyl ether	59	5.719	5.713	0.006	97	48090	4.99	4.94	
19 Acrolein	56	6.104	6.104	0.000	37	13530	4.99	3.55	
20 1,1,2-Trichloro-1,2,2-trif	101	6.109	6.109	0.000	94	151511	4.99	4.64	
21 1,1-Dichloroethene	96	6.163	6.163	0.000	98	72974	4.99	4.55	
22 Acetone	43	6.409	6.403	0.006	98	159150	4.99	6.51	
23 Carbon disulfide	76	6.548	6.548	0.000	99	196029	4.99	4.80	
24 Isopropyl alcohol	45	6.687	6.687	0.000	100	126727	4.99	5.10	
25 3-Chloro-1-propene	41	6.933	6.933	0.000	98	83949	4.99	5.17	
26 Acetonitrile	41	7.083	7.083	0.000	99	56464	4.99	5.28	
27 Methylene Chloride	49	7.227	7.227	0.000	92	79214	4.99	4.85	
28 2-Methyl-2-propanol	59	7.463	7.452	0.011	94	165979	4.99	4.95	
29 Methyl tert-butyl ether	73	7.628	7.623	0.005	96	223601	4.99	4.83	
31 trans-1,2-Dichloroethene	61	7.655	7.661	-0.006	98	108518	4.99	4.86	
32 Acrylonitrile	53	7.832	7.826	0.006	96	49128	4.99	4.75	
33 Hexane	57	8.035	8.035	0.000	94	106993	4.99	4.77	
34 1,1-Dichloroethane	63	8.543	8.538	0.005	100	139384	4.99	4.80	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
35 Vinyl acetate	43	8.618	8.618	0.000	100	190575	4.99	4.98	
S 30 1,2-Dichloroethene, Total	61				0		9.99	9.64	
37 cis-1,2-Dichloroethene	96	9.677	9.677	0.000	93	89326	4.99	4.78	
38 2-Butanone (MEK)	72	9.742	9.742	0.000	99	42850	4.99	4.83	
39 Ethyl acetate	88	9.774	9.774	0.000	97	6468	4.99	4.88	
* 40 Chlorobromomethane	128	10.159	10.164	-0.005	84	197412	10.0	10.0	
41 Tetrahydrofuran	42	10.180	10.170	0.010	94	95949	4.99	5.05	
42 Chloroform	83	10.298	10.298	0.000	96	185908	4.99	4.75	
43 Cyclohexane	84	10.539	10.533	0.006	97	117107	4.99	4.67	M
44 1,1,1-Trichloroethane	97	10.571	10.582	-0.011	94	201702	4.99	4.80	
45 Carbon tetrachloride	117	10.833	10.838	-0.005	98	213336	4.99	4.84	
46 Isooctane	57	11.282	11.288	-0.006	99	443920	4.99	4.77	
47 Benzene	78	11.330	11.336	-0.006	96	283337	4.99	4.70	
48 1,2-Dichloroethane	62	11.534	11.539	-0.005	98	130720	4.99	4.90	
49 n-Heptane	43	11.700	11.700	0.000	95	170895	4.99	4.84	
* 50 1,4-Difluorobenzene	114	12.234	12.235	-0.001	93	1026725	10.0	10.0	
52 n-Butanol	56	12.695	12.689	0.006	91	65677	4.99	5.10	
53 Trichloroethene	95	12.727	12.727	0.000	97	134421	4.99	4.53	
A 51 GRO	1	13.198	(4.687-21.708)		0	45101290	4.99	0	
54 1,2-Dichloropropane	63	13.320	13.326	-0.006	92	111467	4.99	4.77	
55 Methyl methacrylate	69	13.513	13.513	0.000	95	106911	4.99	4.59	
56 1,4-Dioxane	88	13.577	13.572	0.005	91	65781	4.99	4.77	
57 Dibromomethane	174	13.599	13.599	0.000	91	152843	4.99	4.53	
58 Dichlorobromomethane	83	13.914	13.914	0.000	98	219104	4.99	4.66	
60 cis-1,3-Dichloropropene	75	14.893	14.893	0.000	92	174278	4.99	4.78	
A 59 TVOC as Toluene	92	15.102	(3.034-27.170)		0	71002642	4.99	0	
61 4-Methyl-2-pentanone (MIBK	43	15.204	15.204	0.000	97	241615	4.99	4.85	
65 Toluene	92	15.503	15.503	0.000	93	231738	4.99	4.68	
64 n-Octane	43	15.557	15.557	0.000	93	259610	4.99	4.97	
66 trans-1,3-Dichloropropene	75	16.145	16.145	0.000	97	176572	4.99	4.33	
67 1,1,2-Trichloroethane	83	16.536	16.541	-0.005	97	111005	4.99	4.61	
68 Tetrachloroethene	166	16.627	16.632	-0.005	97	227942	4.99	4.49	
69 2-Hexanone	43	17.017	17.017	0.000	93	234170	4.99	4.75	
71 Chlorodibromomethane	129	17.338	17.338	0.000	98	221629	4.99	4.20	
72 Ethylene Dibromide	107	17.616	17.616	0.000	99	218422	4.99	4.70	
* 74 Chlorobenzene-d5	117	18.563	18.563	0.000	85	966525	10.0	10.0	
75 Chlorobenzene	112	18.627	18.628	-0.001	96	328384	4.99	4.59	
76 Ethylbenzene	91	18.793	18.793	0.000	98	522134	4.99	4.69	
77 n-Nonane	57	18.922	18.927	-0.005	91	235730	4.99	4.74	
78 m-Xylene & p-Xylene	106	19.055	19.061	-0.006	0	428892	9.99	9.41	
S 73 Xylenes, Total	106				0		15.0	14.1	
79 o-Xylene	106	19.949	19.954	-0.005	99	212302	4.99	4.67	
80 Styrene	104	20.013	20.013	0.000	96	322019	4.99	4.61	
81 Bromoform	173	20.484	20.484	0.000	99	165502	4.99	3.27	
82 Isopropylbenzene	105	20.714	20.714	0.000	95	609836	4.99	4.66	
84 1,1,2,2-Tetrachloroethane	83	21.441	21.441	0.000	98	297635	4.99	4.67	
85 N-Propylbenzene	91	21.500	21.500	0.000	100	730773	4.99	4.72	
86 1,2,3-Trichloropropane	75	21.538	21.543	-0.005	96	232011	4.99	4.67	
87 n-Decane	57	21.698	21.698	0.000	91	310492	4.99	5.03	
88 4-Ethyltoluene	105	21.709	21.709	0.000	97	619737	4.99	4.73	
89 2-Chlorotoluene	91	21.714	21.714	0.000	96	501677	4.99	4.69	
90 1,3,5-Trimethylbenzene	105	21.821	21.821	0.000	94	517937	4.99	4.78	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
91 Alpha Methyl Styrene	118	22.217	22.217	0.000	91	260784	4.99	4.67	
92 tert-Butylbenzene	119	22.345	22.346	-0.001	95	506436	4.99	4.77	
93 1,2,4-Trimethylbenzene	105	22.447	22.447	0.000	97	517789	4.99	4.80	
94 sec-Butylbenzene	105	22.688	22.688	0.000	99	757605	4.99	4.85	
95 4-Isopropyltoluene	119	22.902	22.902	0.000	97	652975	4.99	4.85	
96 1,3-Dichlorobenzene	146	22.929	22.929	0.000	95	387060	4.99	4.64	
97 1,4-Dichlorobenzene	146	23.073	23.073	0.000	97	388579	4.99	4.59	
98 Benzyl chloride	91	23.282	23.282	0.000	99	382651	4.99	4.35	
100 n-Butylbenzene	91	23.496	23.496	0.000	98	577070	4.99	4.85	
99 Undecane	57	23.528	23.528	0.000	97	302543	4.99	5.02	
101 1,2-Dichlorobenzene	146	23.624	23.624	0.000	98	365213	4.99	4.67	
102 Dodecane	57	25.149	25.149	0.000	96	198483	4.99	4.85	
103 1,2,4-Trichlorobenzene	180	26.187	26.187	0.000	94	244735	4.99	4.13	
104 Hexachlorobutadiene	225	26.374	26.374	0.000	96	284342	4.99	4.68	
105 Naphthalene	128	26.684	26.684	0.000	99	460595	4.99	3.79	M
106 1,2,3-Trichlorobenzene	180	27.166	27.160	0.006	96	220069	4.99	4.24	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

ATTO15CAL3w_00194	Amount Added: 200.00	Units: mL	
ATTO15XISs_00002	Amount Added: 20.00	Units: mL	Run Reagent

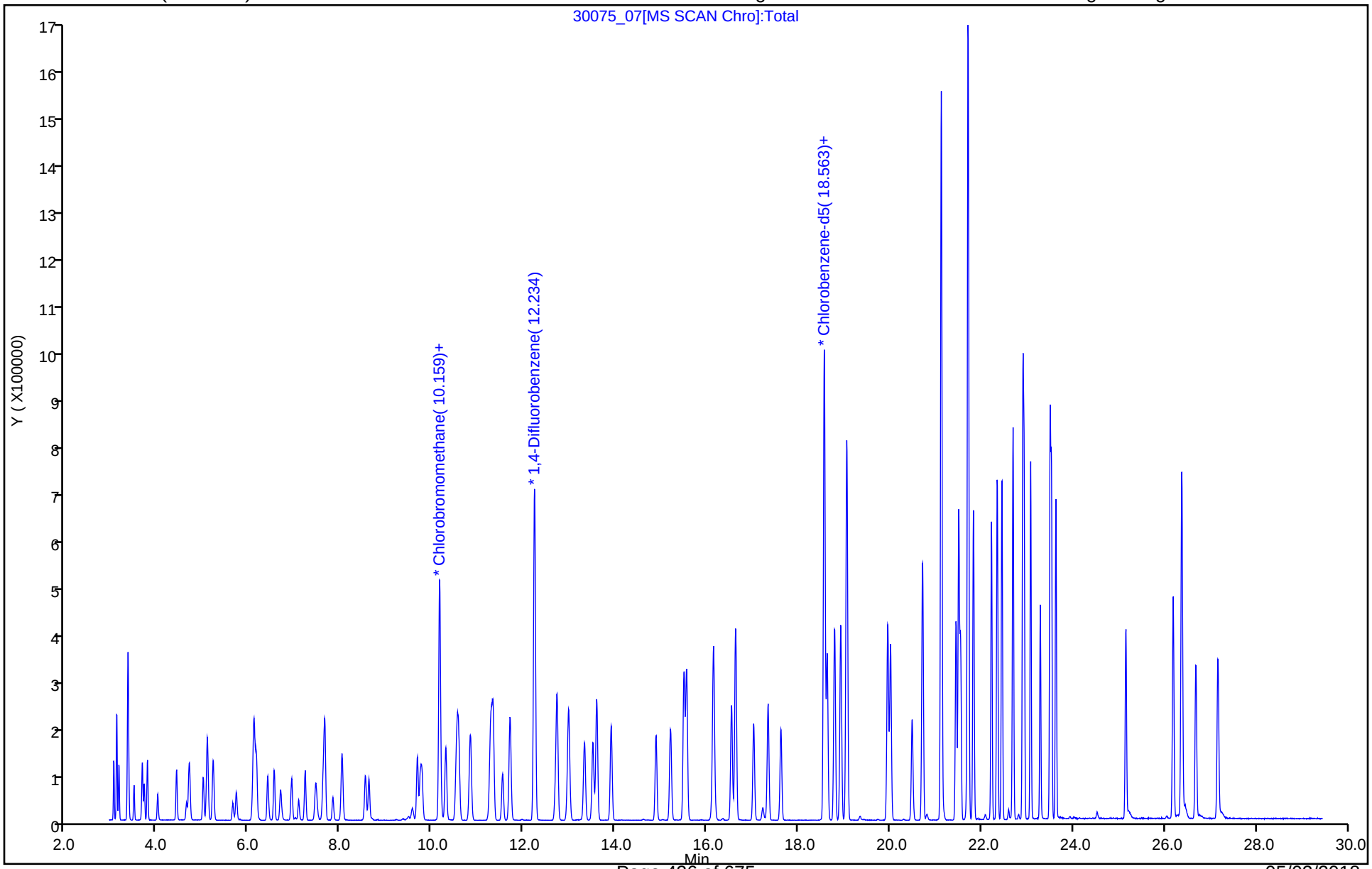
Report Date: 13-Apr-2018 09:12:53 Chrom Revision: 2.2 13-Mar-2018 08:45:20

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180412-30075.b\30075_07.D

Injection Date:	12-Apr-2018 20:01:30	Instrument ID:	CHX.i	Operator ID:	pad
Lims ID:	ic			Worklist Smp#:	7
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

TestAmerica Burlington

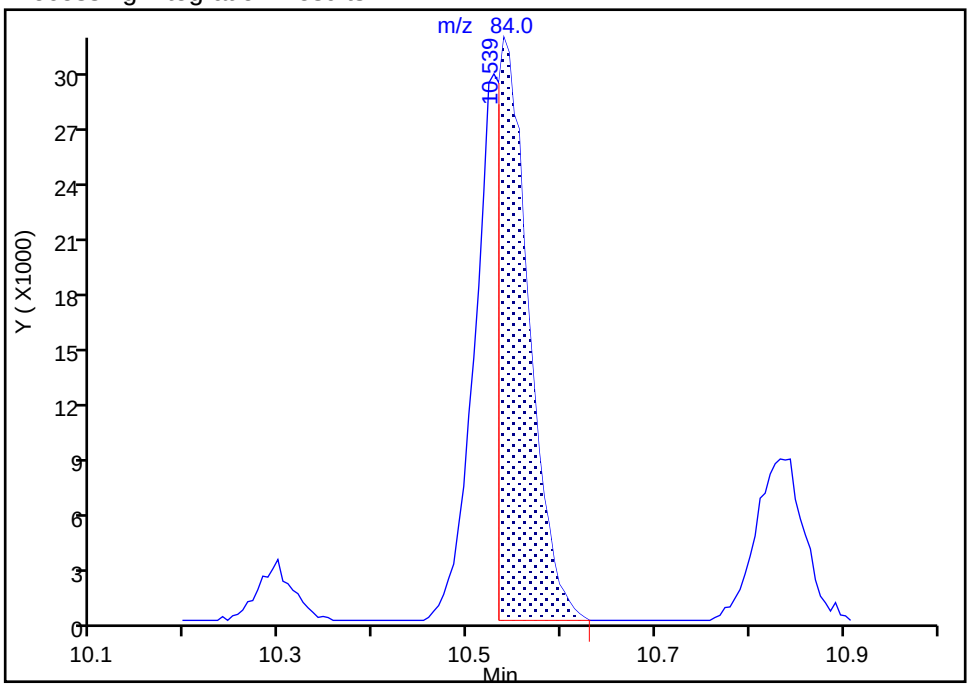
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20180412-30075.b\30075_07.D				
Injection Date:	12-Apr-2018 20:01:30	Instrument ID:	CHX.i		
Lims ID:	ic				
Client ID:					
Operator ID:	pad	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

43 Cyclohexane, CAS: 110-82-7

Signal: 1

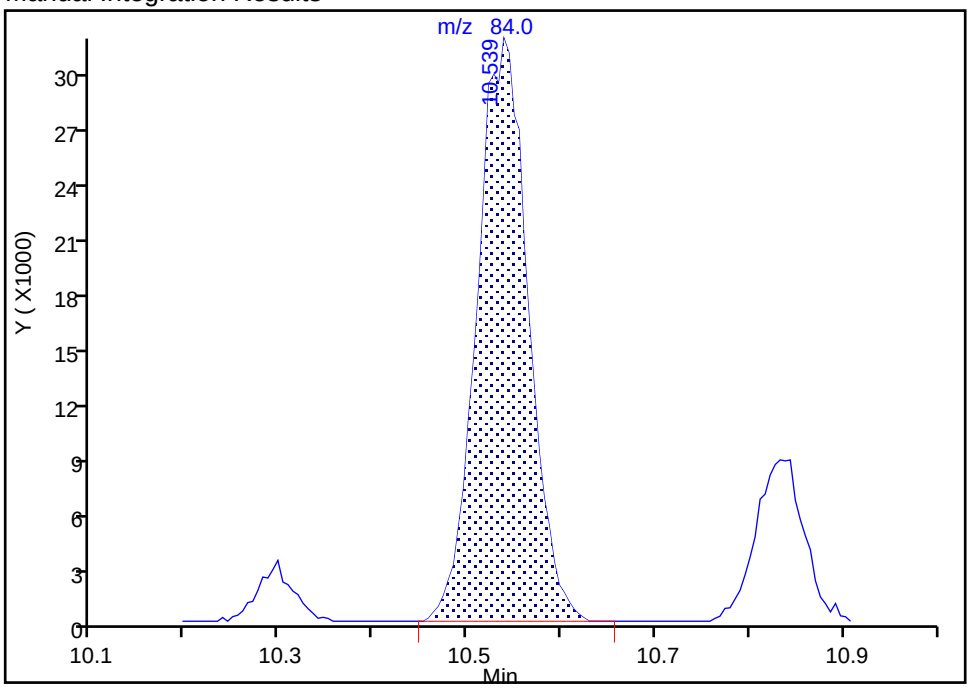
Processing Integration Results

RT: 10.54
Area: 71012
Amount: 2.987698
Amount Units: ppb v/v



Manual Integration Results

RT: 10.54
Area: 117107
Amount: 4.668017
Amount Units: ppb v/v



Reviewer: daiglep, 13-Apr-2018 08:54:11

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Burlington

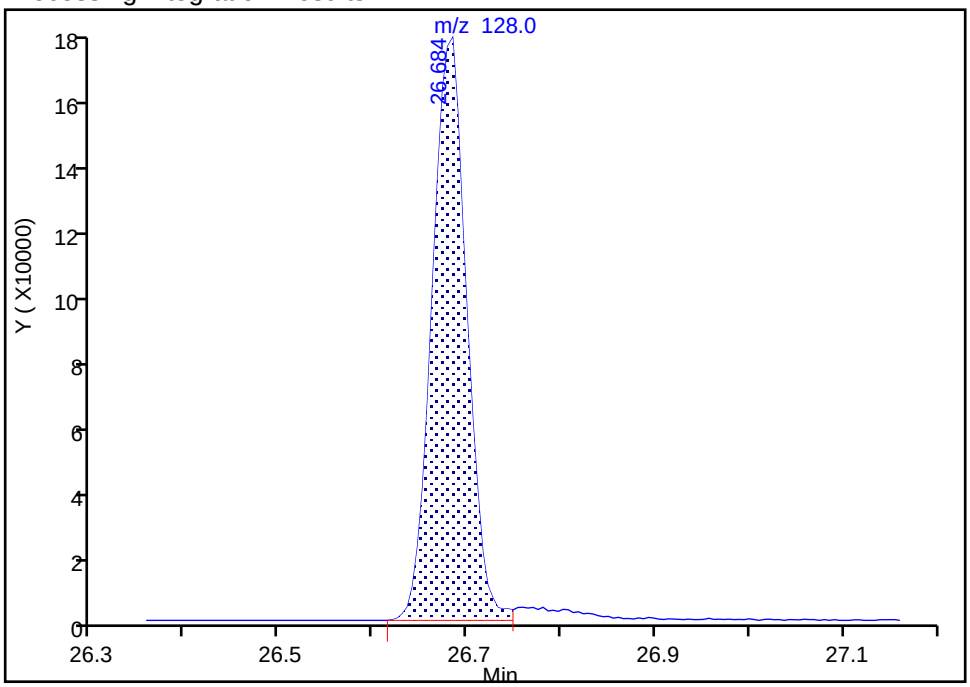
Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180412-30075.b\30075_07.D
Injection Date: 12-Apr-2018 20:01:30 Instrument ID: CHX.i
Lims ID: ic
Client ID:
Operator ID: pad ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_X.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

105 Naphthalene, CAS: 91-20-3

Signal: 1

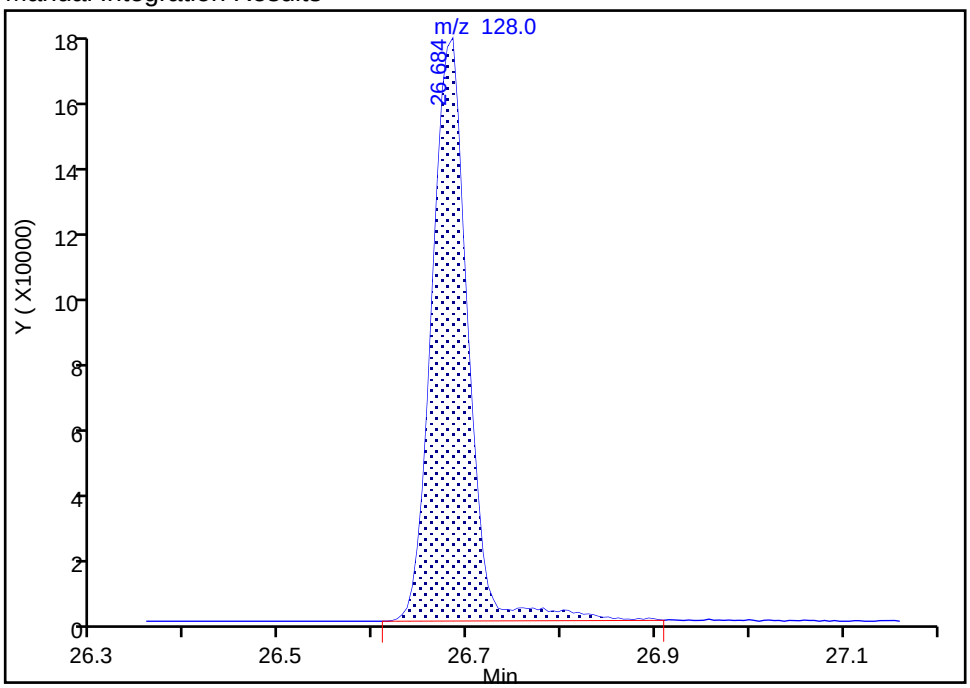
Processing Integration Results

RT: 26.68
Area: 444237
Amount: 3.675544
Amount Units: ppb v/v



Manual Integration Results

RT: 26.68
Area: 460595
Amount: 3.793746
Amount Units: ppb v/v



Reviewer: daiglep, 13-Apr-2018 08:56:31
Audit Action: Manually Integrated Audit Reason: Peak Tail

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180412-30075.b\30075_08.D
Lims ID: icis
Client ID:
Sample Type: ICIS Calib Level: 5
Inject. Date: 12-Apr-2018 20:51:30 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0030075-008
Operator ID: pad Instrument ID: CHX.i
Sublist: chrom-TO15_MasterMethod_X.m*sub1

Method: \\ChromNA\Burlington\ChromData\CHX.i\20180412-30075.b\TO15_MasterMethod_X.m.m
Limit Group: AI_TO15_ICAL
Last Update: 13-Apr-2018 09:12:54 Calib Date: 12-Apr-2018 23:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHX.i\20180412-30075.b\30075_11.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK030

First Level Reviewer: daiglep Date: 13-Apr-2018 08:40:01

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	3.044	3.044	0.000	98	114388	10.0	10.5	
2 Dichlorodifluoromethane	85	3.108	3.108	0.000	99	452052	10.0	10.2	
3 Chlorodifluoromethane	51	3.156	3.156	0.000	97	244375	10.0	10.2	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.354	3.354	0.000	87	433020	10.0	9.94	
5 Chloromethane	50	3.488	3.488	0.000	99	134577	10.0	9.90	
6 Butane	43	3.664	3.664	0.000	98	242230	10.0	10.3	
7 Vinyl chloride	62	3.713	3.713	0.000	98	167007	10.0	10.3	
8 Butadiene	54	3.782	3.782	0.000	97	126258	10.0	10.1	
10 Bromomethane	94	4.413	4.413	0.000	99	164695	10.0	9.87	
11 Chloroethane	64	4.633	4.633	0.000	99	78435	10.0	10.1	
12 2-Methylbutane	43	4.697	4.697	0.000	93	166431	10.0	9.79	
13 Vinyl bromide	106	4.996	4.996	0.000	98	172788	10.0	9.77	
14 Trichlorofluoromethane	101	5.093	5.093	0.000	99	475936	10.0	9.89	
16 Pentane	43	5.221	5.221	0.000	98	257297	10.0	10.1	
17 Ethanol	45	5.638	5.638	0.000	98	90684	15.0	17.0	
18 Ethyl ether	59	5.713	5.713	0.000	95	98519	10.0	9.90	
19 Acrolein	56	6.104	6.104	0.000	62	49262	10.0	12.6	
20 1,1,2-Trichloro-1,2,2-trif	101	6.109	6.109	0.000	94	322077	10.0	9.63	
21 1,1-Dichloroethene	96	6.163	6.163	0.000	98	154393	10.0	9.42	
22 Acetone	43	6.403	6.403	0.000	99	249873	10.0	9.99	
23 Carbon disulfide	76	6.548	6.548	0.000	99	410319	10.0	9.83	
24 Isopropyl alcohol	45	6.687	6.687	0.000	100	275660	10.0	10.8	
25 3-Chloro-1-propene	41	6.933	6.933	0.000	98	147594	10.0	8.88	
26 Acetonitrile	41	7.083	7.083	0.000	99	114105	10.0	10.4	
27 Methylene Chloride	49	7.227	7.227	0.000	92	167858	10.0	10.0	
28 2-Methyl-2-propanol	59	7.452	7.452	0.000	93	357180	10.0	10.4	
29 Methyl tert-butyl ether	73	7.623	7.623	0.000	96	480580	10.0	10.1	
31 trans-1,2-Dichloroethene	61	7.661	7.661	0.000	97	226333	10.0	9.91	
32 Acrylonitrile	53	7.826	7.826	0.000	96	108159	10.0	10.2	
33 Hexane	57	8.035	8.035	0.000	94	228217	10.0	9.94	
34 1,1-Dichloroethane	63	8.538	8.538	0.000	100	293024	10.0	9.87	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
35 Vinyl acetate	43	8.618	8.618	0.000	100	410059	10.0	10.5	
S 30 1,2-Dichloroethene, Total	61				0		20.0	20.0	
37 cis-1,2-Dichloroethene	96	9.677	9.677	0.000	92	193010	10.0	10.1	
38 2-Butanone (MEK)	72	9.742	9.742	0.000	99	88891	10.0	9.80	
39 Ethyl acetate	88	9.774	9.774	0.000	98	13741	10.0	10.1	
* 40 Chlorobromomethane	128	10.164	10.164	0.000	86	201948	10.0	10.0	
41 Tetrahydrofuran	42	10.170	10.170	0.000	92	199955	10.0	10.3	
42 Chloroform	83	10.298	10.298	0.000	96	396014	10.0	9.89	
43 Cyclohexane	84	10.533	10.533	0.000	97	248048	10.0	9.71	
44 1,1,1-Trichloroethane	97	10.582	10.582	0.000	94	434942	10.0	10.2	
45 Carbon tetrachloride	117	10.838	10.838	0.000	98	471850	10.0	10.5	
46 Isooctane	57	11.288	11.288	0.000	99	941840	10.0	9.94	
47 Benzene	78	11.336	11.336	0.000	96	600452	10.0	9.78	
48 1,2-Dichloroethane	62	11.539	11.539	0.000	98	275884	10.0	10.2	
49 n-Heptane	43	11.700	11.700	0.000	94	363074	10.0	10.1	
* 50 1,4-Difluorobenzene	114	12.235	12.235	0.000	93	1045546	10.0	10.0	
52 n-Butanol	56	12.689	12.689	0.000	89	135675	10.0	10.3	
53 Trichloroethene	95	12.727	12.727	0.000	98	282203	10.0	9.35	
A 51 GRO	1	13.198	(4.687-21.708)		0	81410951	10.0	0	
54 1,2-Dichloropropane	63	13.326	13.326	0.000	90	234477	10.0	9.85	
55 Methyl methacrylate	69	13.513	13.513	0.000	97	235491	10.0	9.93	
56 1,4-Dioxane	88	13.572	13.572	0.000	94	147886	10.0	10.5	
57 Dibromomethane	174	13.599	13.599	0.000	91	331222	10.0	9.65	
58 Dichlorobromomethane	83	13.914	13.914	0.000	98	488694	10.0	10.2	
60 cis-1,3-Dichloropropene	75	14.893	14.893	0.000	92	371027	10.0	10.0	
A 59 TVOC as Toluene	92	15.102	(3.034-27.170)		0	147343123	10.0	0	
61 4-Methyl-2-pentanone (MIBK	43	15.204	15.204	0.000	97	513434	10.0	10.1	
65 Toluene	92	15.503	15.503	0.000	93	494850	10.0	9.78	
64 n-Octane	43	15.557	15.557	0.000	93	547808	10.0	10.3	
66 trans-1,3-Dichloropropene	75	16.145	16.145	0.000	97	380747	10.0	9.17	
67 1,1,2-Trichloroethane	83	16.541	16.541	0.000	96	243615	10.0	9.91	
68 Tetrachloroethene	166	16.632	16.632	0.000	96	490467	10.0	9.46	
69 2-Hexanone	43	17.017	17.017	0.000	94	501203	10.0	9.96	
71 Chlorodibromomethane	129	17.338	17.338	0.000	98	547819	10.0	10.2	
72 Ethylene Dibromide	107	17.616	17.616	0.000	99	468831	10.0	9.88	
* 74 Chlorobenzene-d5	117	18.563	18.563	0.000	84	987354	10.0	10.0	
75 Chlorobenzene	112	18.628	18.628	0.000	96	715788	10.0	9.79	
76 Ethylbenzene	91	18.793	18.793	0.000	97	1123789	10.0	9.89	
77 n-Nonane	57	18.927	18.927	0.000	92	506235	10.0	9.97	
78 m-Xylene & p-Xylene	106	19.061	19.061	0.000	0	917425	20.0	19.7	
S 73 Xylenes, Total	106				0		30.0	29.6	
79 o-Xylene	106	19.954	19.954	0.000	99	458309	10.0	9.87	
80 Styrene	104	20.013	20.013	0.000	97	720982	10.0	10.1	
81 Bromoform	173	20.484	20.484	0.000	99	566852	10.0	11.0	
82 Isopropylbenzene	105	20.714	20.714	0.000	95	1326104	10.0	9.92	
84 1,1,2,2-Tetrachloroethane	83	21.441	21.441	0.000	99	650661	10.0	10.0	
85 N-Propylbenzene	91	21.500	21.500	0.000	99	1588577	10.0	10.0	
86 1,2,3-Trichloropropane	75	21.543	21.543	0.000	96	503588	10.0	9.93	
87 n-Decane	57	21.698	21.698	0.000	91	672036	10.0	10.7	
88 4-Ethyltoluene	105	21.709	21.709	0.000	98	1351356	10.0	10.1	
89 2-Chlorotoluene	91	21.714	21.714	0.000	95	1097144	10.0	10.0	
90 1,3,5-Trimethylbenzene	105	21.821	21.821	0.000	93	1125090	10.0	10.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
91 Alpha Methyl Styrene	118	22.217	22.217	0.000	91	587538	10.0	10.3	
92 tert-Butylbenzene	119	22.346	22.346	0.000	95	1106590	10.0	10.2	
93 1,2,4-Trimethylbenzene	105	22.447	22.447	0.000	97	1127402	10.0	10.2	
94 sec-Butylbenzene	105	22.688	22.688	0.000	99	1638314	10.0	10.3	
95 4-Isopropyltoluene	119	22.902	22.902	0.000	97	1436684	10.0	10.4	
96 1,3-Dichlorobenzene	146	22.929	22.929	0.000	96	861373	10.0	10.1	
97 1,4-Dichlorobenzene	146	23.073	23.073	0.000	97	863330	10.0	9.98	
98 Benzyl chloride	91	23.282	23.282	0.000	99	975154	10.0	10.9	
100 n-Butylbenzene	91	23.496	23.496	0.000	98	1251096	10.0	10.3	
99 Undecane	57	23.528	23.528	0.000	96	598874	10.0	9.73	
101 1,2-Dichlorobenzene	146	23.624	23.624	0.000	98	807828	10.0	10.1	
102 Dodecane	57	25.149	25.149	0.000	97	470675	10.0	11.3	
103 1,2,4-Trichlorobenzene	180	26.187	26.187	0.000	94	586862	10.0	9.69	
104 Hexachlorobutadiene	225	26.374	26.374	0.000	96	605112	10.0	9.76	
105 Naphthalene	128	26.684	26.684	0.000	99	1201867	10.0	9.69	
106 1,2,3-Trichlorobenzene	180	27.160	27.160	0.000	96	553197	10.0	10.4	

Reagents:

ATTO15CAL4w_00676	Amount Added: 200.00	Units: mL	
ATTO15XISs_00002	Amount Added: 20.00	Units: mL	Run Reagent

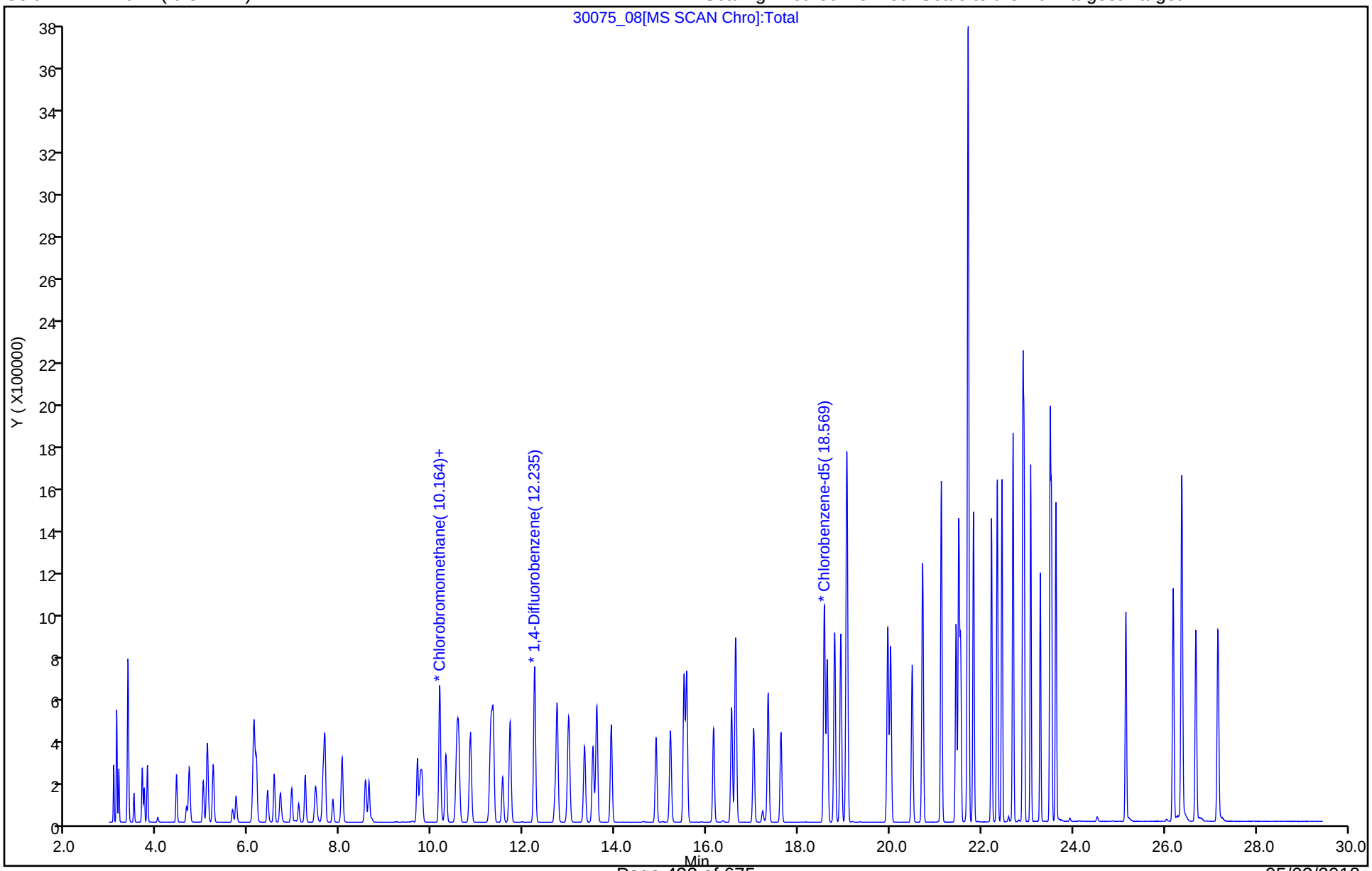
Report Date: 13-Apr-2018 09:12:55 Chrom Revision: 2.2 13-Mar-2018 08:45:20

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180412-30075.b\30075_08.D

Injection Date:	12-Apr-2018 20:51:30	Instrument ID:	CHX.i	Operator ID:	pad
Lims ID:	icis			Worklist Smp#:	8
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180412-30075.b\30075_09.D
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 12-Apr-2018 21:42:30 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0030075-009
Operator ID: pad Instrument ID: CHX.i
Sublist: chrom-TO15_MasterMethod_X.m*sub1

Method: \\ChromNA\Burlington\ChromData\CHX.i\20180412-30075.b\TO15_MasterMethod_X.m.m
Limit Group: AI_TO15_ICAL
Last Update: 13-Apr-2018 09:12:56 Calib Date: 12-Apr-2018 23:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHX.i\20180412-30075.b\30075_11.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK030

First Level Reviewer: daiglep Date: 13-Apr-2018 08:40:37

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	3.049	3.044	0.005	99	192407	15.0	16.0	
2 Dichlorodifluoromethane	85	3.113	3.108	0.005	99	795837	15.0	16.3	
3 Chlorodifluoromethane	51	3.156	3.156	0.000	97	416554	15.0	15.7	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.359	3.354	0.005	86	762138	15.0	15.9	
5 Chloromethane	50	3.488	3.488	0.000	99	233134	15.0	15.5	
6 Butane	43	3.670	3.664	0.006	98	408604	15.0	15.7	
7 Vinyl chloride	62	3.712	3.713	-0.001	98	284042	15.0	15.8	
8 Butadiene	54	3.782	3.782	0.000	97	212206	15.0	15.4	
10 Bromomethane	94	4.419	4.413	0.006	99	295551	15.0	16.0	
11 Chloroethane	64	4.638	4.633	0.005	100	137159	15.0	16.0	
12 2-Methylbutane	43	4.697	4.697	0.000	91	289687	15.0	15.4	
13 Vinyl bromide	106	5.002	4.996	0.006	99	307565	15.0	15.8	
14 Trichlorofluoromethane	101	5.093	5.093	0.000	99	840318	15.0	15.8	
16 Pentane	43	5.221	5.221	0.000	98	446862	15.0	15.8	
17 Ethanol	45	5.644	5.638	0.006	97	125705	20.0	21.4	
18 Ethyl ether	59	5.719	5.713	0.006	94	175980	15.0	16.0	
19 Acrolein	56	6.104	6.104	0.000	97	72256	15.0	16.8	
20 1,1,2-Trichloro-1,2,2-trif	101	6.114	6.109	0.005	94	589497	15.0	16.0	
21 1,1-Dichloroethene	96	6.168	6.163	0.005	98	279117	15.0	15.4	
22 Acetone	43	6.403	6.403	0.000	98	426054	15.0	15.4	
23 Carbon disulfide	76	6.553	6.548	0.005	99	736563	15.0	16.0	
24 Isopropyl alcohol	45	6.687	6.687	0.000	100	450793	15.0	16.1	
25 3-Chloro-1-propene	41	6.938	6.933	0.005	96	308670	15.0	16.8	
26 Acetonitrile	41	7.088	7.083	0.005	99	196529	15.0	16.3	
27 Methylene Chloride	49	7.227	7.227	0.000	91	291457	15.0	15.8	
28 2-Methyl-2-propanol	59	7.452	7.452	0.000	93	608519	15.0	16.1	
29 Methyl tert-butyl ether	73	7.628	7.623	0.005	96	846025	15.0	16.2	
31 trans-1,2-Dichloroethene	61	7.660	7.661	-0.001	97	402559	15.0	16.0	
32 Acrylonitrile	53	7.832	7.826	0.006	95	188971	15.0	16.2	
33 Hexane	57	8.035	8.035	0.000	93	404145	15.0	16.0	
34 1,1-Dichloroethane	63	8.549	8.538	0.011	100	520506	15.0	15.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
35 Vinyl acetate	43	8.623	8.618	0.005	100	713275	15.0	16.5	
S 30 1,2-Dichloroethene, Total	61				0		30.0	32.3	
37 cis-1,2-Dichloroethene	96	9.683	9.677	0.006	91	343961	15.0	16.3	
38 2-Butanone (MEK)	72	9.742	9.742	0.000	100	159425	15.0	15.9	
39 Ethyl acetate	88	9.779	9.774	0.005	99	24000	15.0	16.1	
* 40 Chlorobromomethane	128	10.164	10.164	0.000	88	222793	10.0	10.0	
41 Tetrahydrofuran	42	10.170	10.170	0.000	92	347699	15.0	16.1	
42 Chloroform	83	10.303	10.298	0.005	95	702864	15.0	15.9	
43 Cyclohexane	84	10.544	10.533	0.011	97	452679	15.0	15.8	
44 1,1,1-Trichloroethane	97	10.581	10.582	-0.001	94	765276	15.0	16.0	
45 Carbon tetrachloride	117	10.833	10.838	-0.005	97	803168	15.0	16.0	
46 Isooctane	57	11.288	11.288	0.000	99	1681511	15.0	15.9	
47 Benzene	78	11.341	11.336	0.005	96	1078858	15.0	15.7	
48 1,2-Dichloroethane	62	11.544	11.539	0.005	98	483215	15.0	15.9	
49 n-Heptane	43	11.705	11.700	0.005	94	643835	15.0	16.0	
* 50 1,4-Difluorobenzene	114	12.240	12.235	0.005	93	1169176	10.0	10.0	
52 n-Butanol	56	12.684	12.689	-0.005	88	231535	15.0	15.8	
53 Trichloroethene	95	12.732	12.727	0.005	97	515002	15.0	15.3	
A 51 GRO	1	13.198	(4.687-21.708)		0	145164218	15.0	0	
54 1,2-Dichloropropane	63	13.331	13.326	0.005	91	424437	15.0	15.9	
55 Methyl methacrylate	69	13.513	13.513	0.000	97	416843	15.0	15.7	
56 1,4-Dioxane	88	13.577	13.572	0.005	90	249062	15.0	15.8	
57 Dibromomethane	174	13.604	13.599	0.005	91	592686	15.0	15.4	
58 Dichlorobromomethane	83	13.914	13.914	0.000	98	884079	15.0	16.5	
60 cis-1,3-Dichloropropene	75	14.893	14.893	0.000	92	665106	15.0	16.0	
A 59 TVOC as Toluene	92	15.102	(3.034-27.170)		0	260273828	15.0	0	
61 4-Methyl-2-pentanone (MIBK	43	15.209	15.204	0.005	97	893023	15.0	15.7	
65 Toluene	92	15.503	15.503	0.000	93	890012	15.0	15.5	
64 n-Octane	43	15.557	15.557	0.000	93	956672	15.0	16.1	
66 trans-1,3-Dichloropropene	75	16.150	16.145	0.005	97	683819	15.0	14.7	
67 1,1,2-Trichloroethane	83	16.541	16.541	0.000	95	431052	15.0	15.4	
68 Tetrachloroethene	166	16.632	16.632	0.000	96	890257	15.0	15.1	
69 2-Hexanone	43	17.022	17.017	0.005	94	874889	15.0	15.3	
71 Chlorodibromomethane	129	17.338	17.338	0.000	98	1027664	15.0	16.8	
72 Ethylene Dibromide	107	17.622	17.616	0.006	99	848706	15.0	15.7	
* 74 Chlorobenzene-d5	117	18.569	18.563	0.006	84	1121549	10.0	10.0	
75 Chlorobenzene	112	18.627	18.628	-0.001	96	1291655	15.0	15.5	
76 Ethylbenzene	91	18.793	18.793	0.000	97	2032550	15.0	15.7	
77 n-Nonane	57	18.927	18.927	0.000	90	908371	15.0	15.7	
78 m-Xylene & p-Xylene	106	19.061	19.061	0.000	0	1671016	30.0	31.6	
S 73 Xylenes, Total	106				0		45.0	47.3	
79 o-Xylene	106	19.954	19.954	0.000	99	829053	15.0	15.7	
80 Styrene	104	20.013	20.013	0.000	97	1302201	15.0	16.1	
81 Bromoform	173	20.484	20.484	0.000	99	1120908	15.0	19.1	
82 Isopropylbenzene	105	20.714	20.714	0.000	95	2400829	15.0	15.8	
84 1,1,2,2-Tetrachloroethane	83	21.441	21.441	0.000	99	1167071	15.0	15.8	
85 N-Propylbenzene	91	21.506	21.500	0.006	99	2869959	15.0	16.0	
86 1,2,3-Trichloropropane	75	21.543	21.543	0.000	97	901999	15.0	15.7	
87 n-Decane	57	21.698	21.698	0.000	91	1146677	15.0	16.0	
88 4-Ethyltoluene	105	21.709	21.709	0.000	98	2452627	15.0	16.1	
89 2-Chlorotoluene	91	21.714	21.714	0.000	97	1985915	15.0	16.0	
90 1,3,5-Trimethylbenzene	105	21.827	21.821	0.005	94	2002623	15.0	15.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
91 Alpha Methyl Styrene	118	22.217	22.217	0.000	91	1049374	15.0	16.2	
92 tert-Butylbenzene	119	22.345	22.346	-0.001	95	1957355	15.0	15.9	
93 1,2,4-Trimethylbenzene	105	22.447	22.447	0.000	97	1992092	15.0	15.9	
94 sec-Butylbenzene	105	22.688	22.688	0.000	99	2862905	15.0	15.8	
95 4-Isopropyltoluene	119	22.902	22.902	0.000	97	2394095	15.0	15.3	
96 1,3-Dichlorobenzene	146	22.929	22.929	0.000	96	1531532	15.0	15.8	
97 1,4-Dichlorobenzene	146	23.073	23.073	0.000	97	1530008	15.0	15.6	
98 Benzyl chloride	91	23.282	23.282	0.000	99	1621739	15.0	15.9	
100 n-Butylbenzene	91	23.501	23.496	0.005	97	2043595	15.0	14.8	
99 Undecane	57	23.528	23.528	0.000	95	1068770	15.0	15.3	
101 1,2-Dichlorobenzene	146	23.624	23.624	0.000	98	1391358	15.0	15.3	
102 Dodecane	57	25.154	25.149	0.005	98	722659	15.0	15.2	
103 1,2,4-Trichlorobenzene	180	26.187	26.187	0.000	94	1103435	15.0	16.0	
104 Hexachlorobutadiene	225	26.374	26.374	0.000	96	1108618	15.0	15.7	
105 Naphthalene	128	26.684	26.684	0.000	99	2184000	15.0	15.5	
106 1,2,3-Trichlorobenzene	180	27.166	27.160	0.006	95	978093	15.0	16.2	

Reagents:

ATTO15CAL5w_00073	Amount Added: 200.00	Units: mL	
ATTO15XISs_00002	Amount Added: 20.00	Units: mL	Run Reagent

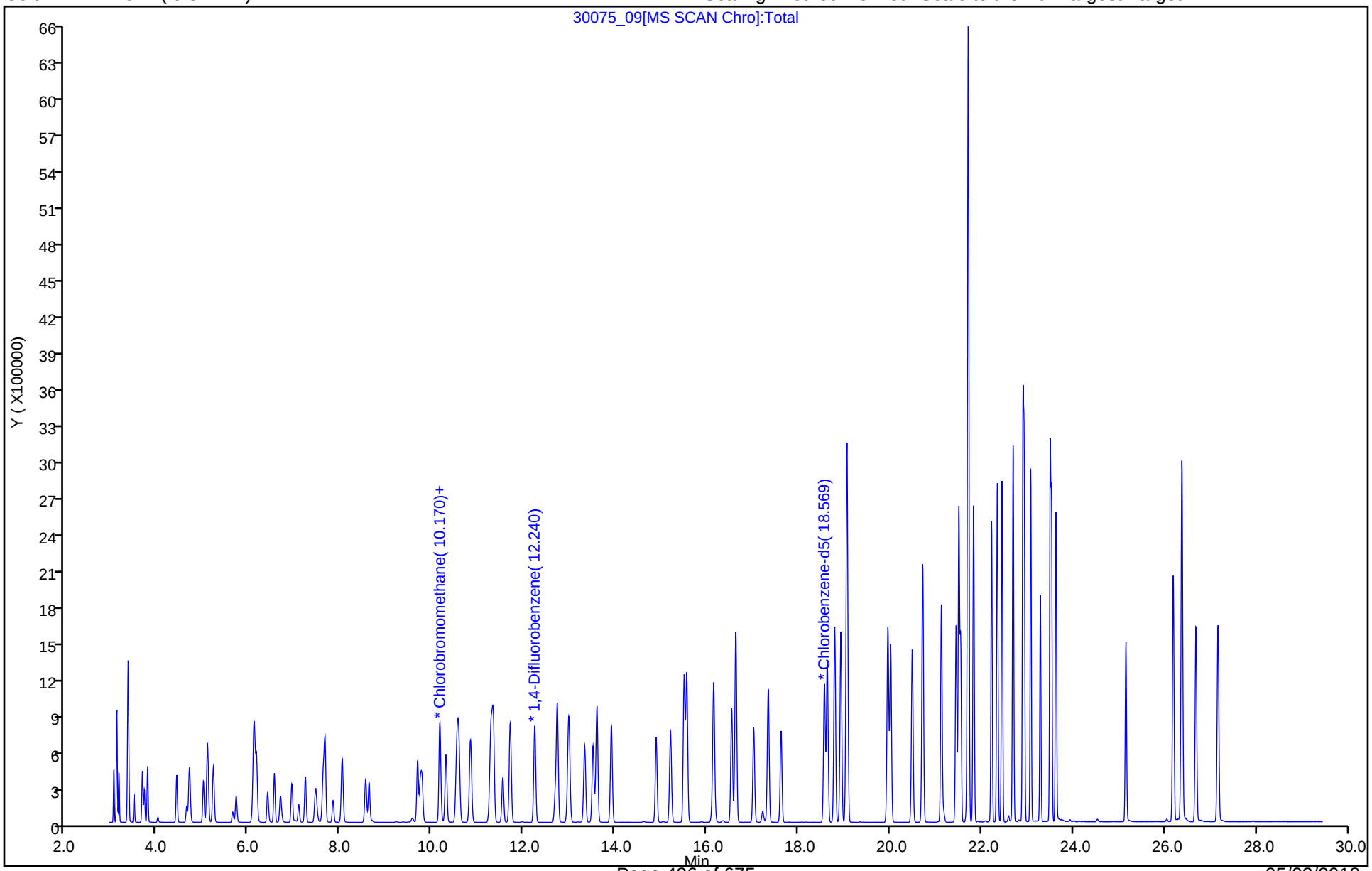
Report Date: 13-Apr-2018 09:12:56 Chrom Revision: 2.2 13-Mar-2018 08:45:20

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180412-30075.b\30075_09.D

Injection Date:	12-Apr-2018 21:42:30	Instrument ID:	CHX.i	Operator ID:	pad
Lims ID:	ic			Worklist Smp#:	9
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180412-30075.b\30075_10.D
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 12-Apr-2018 22:32:30 ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0030075-010
Operator ID: pad Instrument ID: CHX.i
Sublist: chrom-TO15_MasterMethod_X.m*sub1

Method: \\ChromNA\Burlington\ChromData\CHX.i\20180412-30075.b\TO15_MasterMethod_X.m.m
Limit Group: AI_TO15_ICAL
Last Update: 13-Apr-2018 09:12:57 Calib Date: 12-Apr-2018 23:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHX.i\20180412-30075.b\30075_11.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK030

First Level Reviewer: daiglep Date: 13-Apr-2018 08:41:08

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	3.044	3.044	0.000	98	261425	20.0	19.0	
2 Dichlorodifluoromethane	85	3.108	3.108	0.000	99	1066628	20.0	19.1	
3 Chlorodifluoromethane	51	3.156	3.156	0.000	97	578793	20.0	19.1	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.354	3.354	0.000	98	1067096	20.0	19.4	
5 Chloromethane	50	3.488	3.488	0.000	99	319381	20.0	18.6	
6 Butane	43	3.670	3.664	0.006	98	554406	20.0	18.6	
7 Vinyl chloride	62	3.713	3.713	0.000	98	391402	20.0	19.1	
8 Butadiene	54	3.782	3.782	0.000	97	292235	20.0	18.6	
10 Bromomethane	94	4.419	4.413	0.006	99	403491	20.0	19.2	
11 Chloroethane	64	4.633	4.633	0.000	99	189494	20.0	19.3	
12 2-Methylbutane	43	4.697	4.697	0.000	92	389073	20.0	18.1	
13 Vinyl bromide	106	5.002	4.996	0.006	99	444290	20.0	19.9	
14 Trichlorofluoromethane	101	5.093	5.093	0.000	98	1194996	20.0	19.7	
16 Pentane	43	5.221	5.221	0.000	98	615761	20.0	19.1	
17 Ethanol	45	5.638	5.638	0.000	97	260442	40.0	38.8	
18 Ethyl ether	59	5.713	5.713	0.000	97	253143	20.0	20.2	
19 Acrolein	56	6.104	6.104	0.000	84	103931	20.0	21.1	
20 1,1,2-Trichloro-1,2,2-trif	101	6.104	6.109	-0.005	94	845557	20.0	20.1	
21 1,1-Dichloroethene	96	6.163	6.163	0.000	98	404536	20.0	19.6	
22 Acetone	43	6.403	6.403	0.000	98	557536	20.0	17.7	
23 Carbon disulfide	76	6.553	6.548	0.005	99	1049041	20.0	19.9	
24 Isopropyl alcohol	45	6.687	6.687	0.000	100	617511	20.0	19.3	
25 3-Chloro-1-propene	41	6.933	6.933	0.000	98	415131	20.0	19.8	
26 Acetonitrile	41	7.083	7.083	0.000	99	265384	20.0	19.2	
27 Methylene Chloride	49	7.227	7.227	0.000	90	398839	20.0	18.9	
28 2-Methyl-2-propanol	59	7.452	7.452	0.000	93	852584	20.0	19.7	
29 Methyl tert-butyl ether	73	7.623	7.623	0.000	96	1200985	20.0	20.1	
31 trans-1,2-Dichloroethene	61	7.661	7.661	0.000	96	561254	20.0	19.5	
32 Acrylonitrile	53	7.832	7.826	0.006	95	261685	20.0	19.6	
33 Hexane	57	8.035	8.035	0.000	93	563891	20.0	19.5	
34 1,1-Dichloroethane	63	8.543	8.538	0.005	100	729953	20.0	19.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
35 Vinyl acetate	43	8.618	8.618	0.000	100	965420	20.0	19.5	
S 30 1,2-Dichloroethene, Total	61				0		40.0	40.0	
37 cis-1,2-Dichloroethene	96	9.683	9.677	0.006	91	494955	20.0	20.5	
38 2-Butanone (MEK)	72	9.742	9.742	0.000	100	219103	20.0	19.2	
39 Ethyl acetate	88	9.779	9.774	0.005	99	34166	20.0	20.0	
* 40 Chlorobromomethane	128	10.164	10.164	0.000	85	254710	10.0	10.0	
41 Tetrahydrofuran	42	10.170	10.170	0.000	93	473875	20.0	19.4	
42 Chloroform	83	10.303	10.298	0.005	95	986255	20.0	19.5	
43 Cyclohexane	84	10.544	10.533	0.011	97	645301	20.0	20.1	
44 1,1,1-Trichloroethane	97	10.582	10.582	0.000	94	1076185	20.0	20.0	
45 Carbon tetrachloride	117	10.838	10.838	0.000	97	1167203	20.0	20.6	
46 Isooctane	57	11.288	11.288	0.000	99	2357299	20.0	19.8	
47 Benzene	78	11.336	11.336	0.000	96	1527277	20.0	19.8	
48 1,2-Dichloroethane	62	11.545	11.539	0.006	98	666377	20.0	19.5	
49 n-Heptane	43	11.705	11.700	0.005	92	875391	20.0	19.4	
* 50 1,4-Difluorobenzene	114	12.240	12.235	0.005	93	1316323	10.0	10.0	
52 n-Butanol	56	12.689	12.689	0.000	87	317571	20.0	19.2	
53 Trichloroethene	95	12.732	12.727	0.005	97	735139	20.0	19.3	
A 51 GRO	1	13.198	(4.687-21.708)		0	199537427	20.0	0	
54 1,2-Dichloropropane	63	13.331	13.326	0.005	91	596228	20.0	19.9	
55 Methyl methacrylate	69	13.508	13.513	-0.005	98	596720	20.0	20.0	
56 1,4-Dioxane	88	13.572	13.572	0.000	91	349027	20.0	19.7	
57 Dibromomethane	174	13.604	13.599	0.005	91	866843	20.0	20.1	
58 Dichlorobromomethane	83	13.914	13.914	0.000	98	1230155	20.0	20.4	
60 cis-1,3-Dichloropropene	75	14.893	14.893	0.000	91	945418	20.0	20.2	
A 59 TVOC as Toluene	92	15.102	(3.034-27.170)		0	360768504	20.0	0	
61 4-Methyl-2-pentanone (MIBK	43	15.204	15.204	0.000	96	1235677	20.0	19.4	
65 Toluene	92	15.503	15.503	0.000	94	1267432	20.0	20.2	
64 n-Octane	43	15.562	15.557	0.005	92	1310676	20.0	19.6	
66 trans-1,3-Dichloropropene	75	16.145	16.145	0.000	96	960317	20.0	18.4	
67 1,1,2-Trichloroethane	83	16.541	16.541	0.000	94	615243	20.0	20.1	
68 Tetrachloroethene	166	16.632	16.632	0.000	96	1274020	20.0	19.8	
69 2-Hexanone	43	17.023	17.017	0.006	94	1206455	20.0	19.3	
71 Chlorodibromomethane	129	17.344	17.338	0.006	98	1403728	20.0	21.0	
72 Ethylene Dibromide	107	17.622	17.616	0.006	98	1208885	20.0	20.5	
* 74 Chlorobenzene-d5	117	18.569	18.563	0.006	83	1226987	10.0	10.0	
75 Chlorobenzene	112	18.628	18.628	0.000	97	1840306	20.0	20.2	
76 Ethylbenzene	91	18.793	18.793	0.000	97	2865310	20.0	20.3	
77 n-Nonane	57	18.927	18.927	0.000	90	1262539	20.0	20.0	
78 m-Xylene & p-Xylene	106	19.061	19.061	0.000	0	2364680	40.0	40.8	
S 73 Xylenes, Total	106				0		60.0	60.9	
79 o-Xylene	106	19.954	19.954	0.000	99	1158667	20.0	20.1	
80 Styrene	104	20.013	20.013	0.000	97	1833853	20.0	20.7	
81 Bromoform	173	20.484	20.484	0.000	99	1455653	20.0	22.6	
82 Isopropylbenzene	105	20.714	20.714	0.000	95	3384429	20.0	20.4	
84 1,1,2,2-Tetrachloroethane	83	21.441	21.441	0.000	98	1637893	20.0	20.3	
85 N-Propylbenzene	91	21.506	21.500	0.006	100	4034611	20.0	20.5	
86 1,2,3-Trichloropropane	75	21.543	21.543	0.000	97	1270537	20.0	20.2	
87 n-Decane	57	21.698	21.698	0.000	92	1553526	20.0	19.8	
88 4-Ethyltoluene	105	21.709	21.709	0.000	98	3409440	20.0	20.5	
89 2-Chlorotoluene	91	21.714	21.714	0.000	97	2765483	20.0	20.3	
90 1,3,5-Trimethylbenzene	105	21.827	21.821	0.006	94	2768941	20.0	20.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
91 Alpha Methyl Styrene	118	22.223	22.217	0.006	91	1451311	20.0	20.5	
92 tert-Butylbenzene	119	22.346	22.346	0.000	95	2666233	20.0	19.8	
93 1,2,4-Trimethylbenzene	105	22.447	22.447	0.000	97	2734508	20.0	20.0	
94 sec-Butylbenzene	105	22.688	22.688	0.000	99	3915057	20.0	19.8	
95 4-Isopropyltoluene	119	22.907	22.902	0.005	98	3333203	20.0	19.5	
96 1,3-Dichlorobenzene	146	22.934	22.929	0.005	95	2111323	20.0	20.0	
97 1,4-Dichlorobenzene	146	23.073	23.073	0.000	97	2076405	20.0	19.3	
98 Benzyl chloride	91	23.287	23.282	0.005	100	2229759	20.0	20.0	
100 n-Butylbenzene	91	23.501	23.496	0.005	97	2929251	20.0	19.4	
99 Undecane	57	23.528	23.528	0.000	95	1564109	20.0	20.4	
101 1,2-Dichlorobenzene	146	23.624	23.624	0.000	99	1893620	20.0	19.1	
102 Dodecane	57	25.154	25.149	0.005	97	1137211	20.0	21.9	
103 1,2,4-Trichlorobenzene	180	26.187	26.187	0.000	93	1694923	20.0	22.5	
104 Hexachlorobutadiene	225	26.379	26.374	0.005	92	1601213	20.0	20.8	
105 Naphthalene	128	26.684	26.684	0.000	99	3416470	20.0	22.2	
106 1,2,3-Trichlorobenzene	180	27.166	27.160	0.006	95	1509470	20.0	22.9	

Reagents:

ATTO15CAL6w_00149	Amount Added: 200.00	Units: mL	
ATTO15XISs_00002	Amount Added: 20.00	Units: mL	Run Reagent

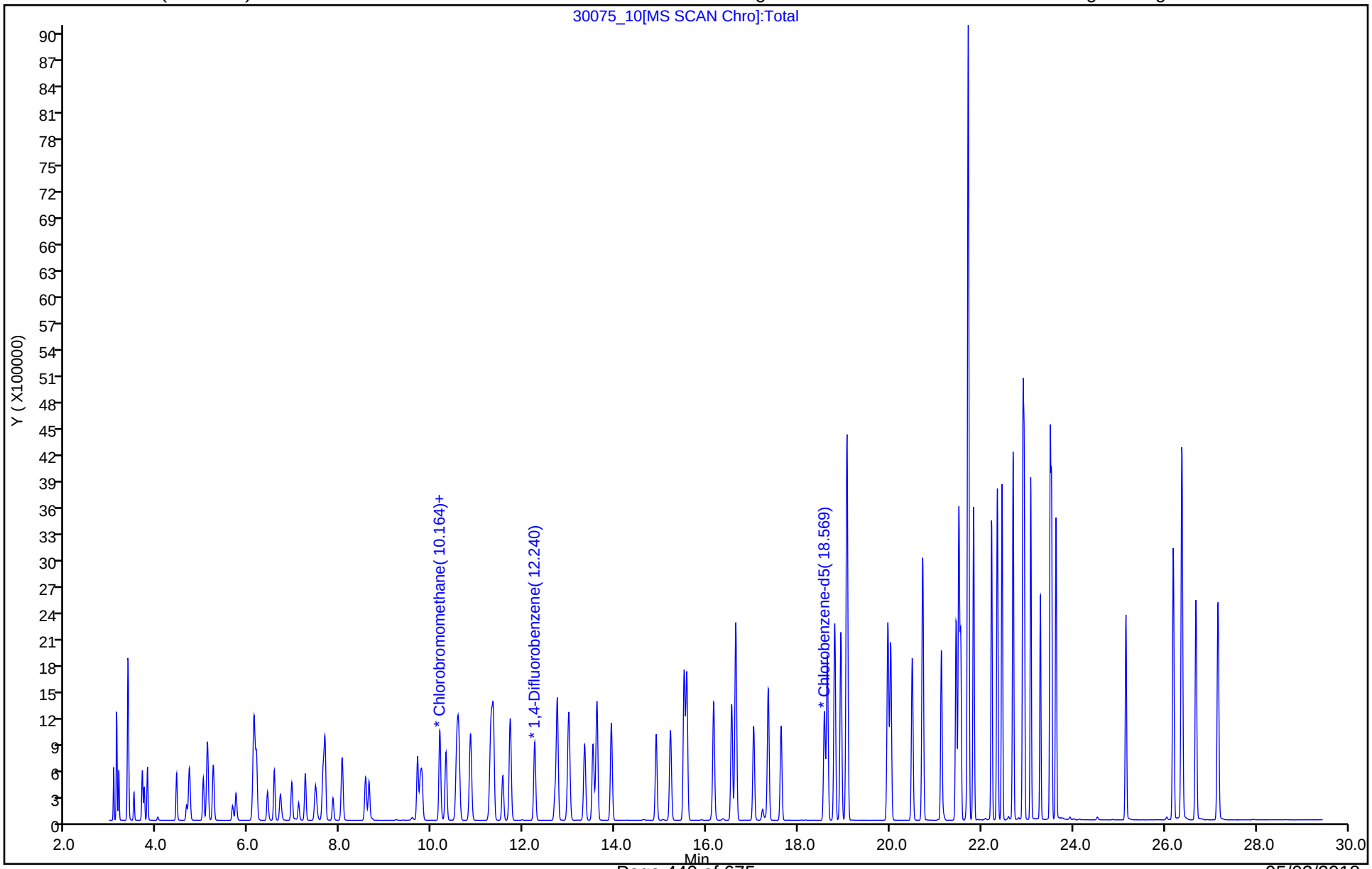
Report Date: 13-Apr-2018 09:12:57 Chrom Revision: 2.2 13-Mar-2018 08:45:20

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180412-30075.b\30075_10.D

Injection Date:	12-Apr-2018 22:32:30	Instrument ID:	CHX.i	Operator ID:	pad
Lims ID:	ic			Worklist Smp#:	10
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180412-30075.b\30075_11.D
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 12-Apr-2018 23:23:30 ALS Bottle#: 10 Worklist Smp#: 11
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0030075-011
Operator ID: pad Instrument ID: CHX.i
Sublist: chrom-TO15_MasterMethod_X.m*sub1

Method: \\ChromNA\Burlington\ChromData\CHX.i\20180412-30075.b\TO15_MasterMethod_X.m.m
Limit Group: AI_TO15_ICAL
Last Update: 13-Apr-2018 09:12:58 Calib Date: 12-Apr-2018 23:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHX.i\20180412-30075.b\30075_11.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK030

First Level Reviewer: daiglep Date: 13-Apr-2018 08:41:44

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	3.044	3.044	0.000	99	543847	40.0	34.3	
2 Dichlorodifluoromethane	85	3.113	3.108	0.005	99	2275489	40.0	35.4	
3 Chlorodifluoromethane	51	3.156	3.156	0.000	97	1193597	40.0	34.1	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.359	3.354	0.005	85	2276751	40.0	36.0	
5 Chloromethane	50	3.488	3.488	0.000	99	666217	40.0	33.7	
6 Butane	43	3.670	3.664	0.006	98	1141351	40.0	33.3	
7 Vinyl chloride	62	3.712	3.713	-0.001	98	825476	40.0	34.9	
8 Butadiene	54	3.787	3.782	0.005	96	607027	40.0	33.5	
10 Bromomethane	94	4.419	4.413	0.006	99	879679	40.0	36.3	
11 Chloroethane	64	4.638	4.633	0.005	99	393174	40.0	34.8	
12 2-Methylbutane	43	4.697	4.697	0.000	93	775231	40.0	31.4	
13 Vinyl bromide	106	5.007	4.996	0.011	99	975416	40.0	37.9	
14 Trichlorofluoromethane	101	5.093	5.093	0.000	98	2605167	40.0	37.2	
16 Pentane	43	5.221	5.221	0.000	98	1281918	40.0	34.5	
17 Ethanol	45	5.649	5.638	0.011	98	658598	100.0	85.1	
18 Ethyl ether	59	5.719	5.713	0.006	95	531266	40.0	36.7	
19 Acrolein	56	6.104	6.104	0.000	96	193552	40.0	34.1	
20 1,1,2-Trichloro-1,2,2-trif	101	6.114	6.109	0.005	94	1835447	40.0	37.8	
21 1,1-Dichloroethene	96	6.168	6.163	0.005	97	879678	40.0	36.9	
22 Acetone	43	6.409	6.403	0.006	98	1140493	40.0	31.4	
23 Carbon disulfide	76	6.553	6.548	0.005	99	2278104	40.0	37.5	
24 Isopropyl alcohol	45	6.692	6.687	0.005	100	1267380	40.0	34.3	
25 3-Chloro-1-propene	41	6.938	6.933	0.005	98	814890	40.0	33.7	
26 Acetonitrile	41	7.088	7.083	0.005	98	543102	40.0	34.1	
27 Methylene Chloride	49	7.233	7.227	0.006	88	835301	40.0	34.4	
28 2-Methyl-2-propanol	59	7.463	7.452	0.011	93	1804938	40.0	36.2	
29 Methyl tert-butyl ether	73	7.623	7.623	0.000	96	2551227	40.0	37.1	
31 trans-1,2-Dichloroethene	61	7.666	7.661	0.005	96	1197761	40.0	36.1	
32 Acrylonitrile	53	7.837	7.826	0.011	94	555970	40.0	36.2	
33 Hexane	57	8.035	8.035	0.000	92	1179388	40.0	35.3	
34 1,1-Dichloroethane	63	8.549	8.538	0.011	99	1556763	40.0	36.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
35 Vinyl acetate	43	8.623	8.618	0.005	100	2004662	40.0	35.2	
S 30 1,2-Dichloroethene, Total	61				0		80.0	74.8	
37 cis-1,2-Dichloroethene	96	9.683	9.677	0.006	90	1076757	40.0	38.8	
38 2-Butanone (MEK)	72	9.747	9.742	0.005	99	475631	40.0	36.1	
39 Ethyl acetate	88	9.779	9.774	0.005	100	73933	40.0	37.5	
* 40 Chlorobromomethane	128	10.170	10.164	0.006	79	293577	10.0	10.0	
41 Tetrahydrofuran	42	10.170	10.170	0.000	91	979584	40.0	36.5	
42 Chloroform	83	10.303	10.298	0.005	95	2119261	40.0	36.4	
43 Cyclohexane	84	10.544	10.533	0.011	97	1400728	40.0	39.5	
44 1,1,1-Trichloroethane	97	10.581	10.582	-0.001	94	2341506	40.0	39.5	
45 Carbon tetrachloride	117	10.844	10.838	0.006	89	2530537	40.0	40.6	
46 Isooctane	57	11.293	11.288	0.005	99	5008072	40.0	38.1	
47 Benzene	78	11.341	11.336	0.005	97	3319157	40.0	39.0	
48 1,2-Dichloroethane	62	11.544	11.539	0.005	98	1400621	40.0	37.2	
49 n-Heptane	43	11.705	11.700	0.005	92	1835666	40.0	36.8	
* 50 1,4-Difluorobenzene	114	12.245	12.235	0.010	93	1450201	10.0	10.0	
52 n-Butanol	56	12.689	12.689	0.000	87	676292	40.0	37.2	
53 Trichloroethene	95	12.737	12.727	0.010	96	1600668	40.0	38.2	
A 51 GRO	1	13.198	(4.687-21.708)		0	416843525	40.0	0	
54 1,2-Dichloropropane	63	13.337	13.326	0.011	93	1288207	40.0	39.0	
55 Methyl methacrylate	69	13.518	13.513	0.005	99	1277278	40.0	38.8	
56 1,4-Dioxane	88	13.577	13.572	0.005	89	741148	40.0	38.0	
57 Dibromomethane	174	13.604	13.599	0.005	90	1970363	40.0	41.4	
58 Dichlorobromomethane	83	13.920	13.914	0.006	98	2629195	40.0	39.6	
60 cis-1,3-Dichloropropene	75	14.893	14.893	0.000	90	2046830	40.0	39.7	
A 59 TVOC as Toluene	92	15.102	(3.034-27.170)		0	734367094	40.0	0	
61 4-Methyl-2-pentanone (MIBK	43	15.209	15.204	0.005	95	2567018	40.0	36.5	
65 Toluene	92	15.503	15.503	0.000	93	2742318	40.0	39.6	
64 n-Octane	43	15.562	15.557	0.005	91	2726270	40.0	36.9	
66 trans-1,3-Dichloropropene	75	16.150	16.145	0.005	95	2048845	40.0	35.6	
67 1,1,2-Trichloroethane	83	16.541	16.541	0.000	94	1332431	40.0	39.6	
68 Tetrachloroethene	166	16.632	16.632	0.000	96	2838218	40.0	40.0	
69 2-Hexanone	43	17.022	17.017	0.005	96	2478102	40.0	36.0	
71 Chlorodibromomethane	129	17.343	17.338	0.005	98	2989620	40.0	40.5	
72 Ethylene Dibromide	107	17.622	17.616	0.006	98	2623088	40.0	40.4	
* 74 Chlorobenzene-d5	117	18.569	18.563	0.006	86	1350772	10.0	10.0	
75 Chlorobenzene	112	18.633	18.628	0.005	97	4005521	40.0	40.0	
76 Ethylbenzene	91	18.793	18.793	0.000	97	6225711	40.0	40.0	
77 n-Nonane	57	18.932	18.927	0.005	88	2680218	40.0	38.6	
78 m-Xylene & p-Xylene	106	19.066	19.061	0.005	0	5130134	80.0	80.5	
S 73 Xylenes, Total	106				0		120.0	120.2	
79 o-Xylene	106	19.959	19.954	0.005	99	2518584	40.0	39.7	
80 Styrene	104	20.018	20.013	0.005	96	3944431	40.0	40.4	
81 Bromoform	173	20.489	20.484	0.005	99	2850406	40.0	40.2	
82 Isopropylbenzene	105	20.719	20.714	0.005	95	7271421	40.0	39.8	
84 1,1,2,2-Tetrachloroethane	83	21.447	21.441	0.006	98	3413364	40.0	38.3	
85 N-Propylbenzene	91	21.506	21.500	0.006	100	8323146	40.0	38.4	
86 1,2,3-Trichloropropane	75	21.548	21.543	0.005	97	2585356	40.0	37.2	
87 n-Decane	57	21.703	21.698	0.005	92	3006210	40.0	34.8	
88 4-Ethyltoluene	105	21.714	21.709	0.005	97	6835309	40.0	37.3	
89 2-Chlorotoluene	91	21.720	21.714	0.006	97	5624175	40.0	37.6	
90 1,3,5-Trimethylbenzene	105	21.832	21.821	0.011	94	5679391	40.0	37.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
91 Alpha Methyl Styrene	118	22.222	22.217	0.005	91	2942436	40.0	37.7	
92 tert-Butylbenzene	119	22.345	22.346	-0.001	95	5547970	40.0	37.4	
93 1,2,4-Trimethylbenzene	105	22.452	22.447	0.005	97	5685599	40.0	37.7	
94 sec-Butylbenzene	105	22.693	22.688	0.005	99	8258327	40.0	37.8	
95 4-Isopropyltoluene	119	22.907	22.902	0.005	98	7436244	40.0	39.5	
96 1,3-Dichlorobenzene	146	22.934	22.929	0.005	96	4316366	40.0	37.0	
97 1,4-Dichlorobenzene	146	23.078	23.073	0.005	97	4297351	40.0	36.3	
98 Benzyl chloride	91	23.287	23.282	0.005	100	4460912	40.0	36.3	
100 n-Butylbenzene	91	23.501	23.496	0.005	97	6527850	40.0	39.2	
99 Undecane	57	23.533	23.528	0.005	94	3302557	40.0	39.2	
101 1,2-Dichlorobenzene	146	23.629	23.624	0.005	99	4063474	40.0	37.2	
102 Dodecane	57	25.154	25.149	0.005	97	1806393	40.0	31.6	
103 1,2,4-Trichlorobenzene	180	26.192	26.187	0.005	93	3027658	40.0	36.5	
104 Hexachlorobutadiene	225	26.379	26.374	0.005	95	3076171	40.0	36.3	
105 Naphthalene	128	26.684	26.684	0.000	99	5641107	40.0	33.2	
106 1,2,3-Trichlorobenzene	180	27.166	27.160	0.006	95	2441828	40.0	33.7	

Reagents:

ATTO15CAL7w_00076	Amount Added: 200.00	Units: mL	
ATTO15XISs_00002	Amount Added: 20.00	Units: mL	Run Reagent

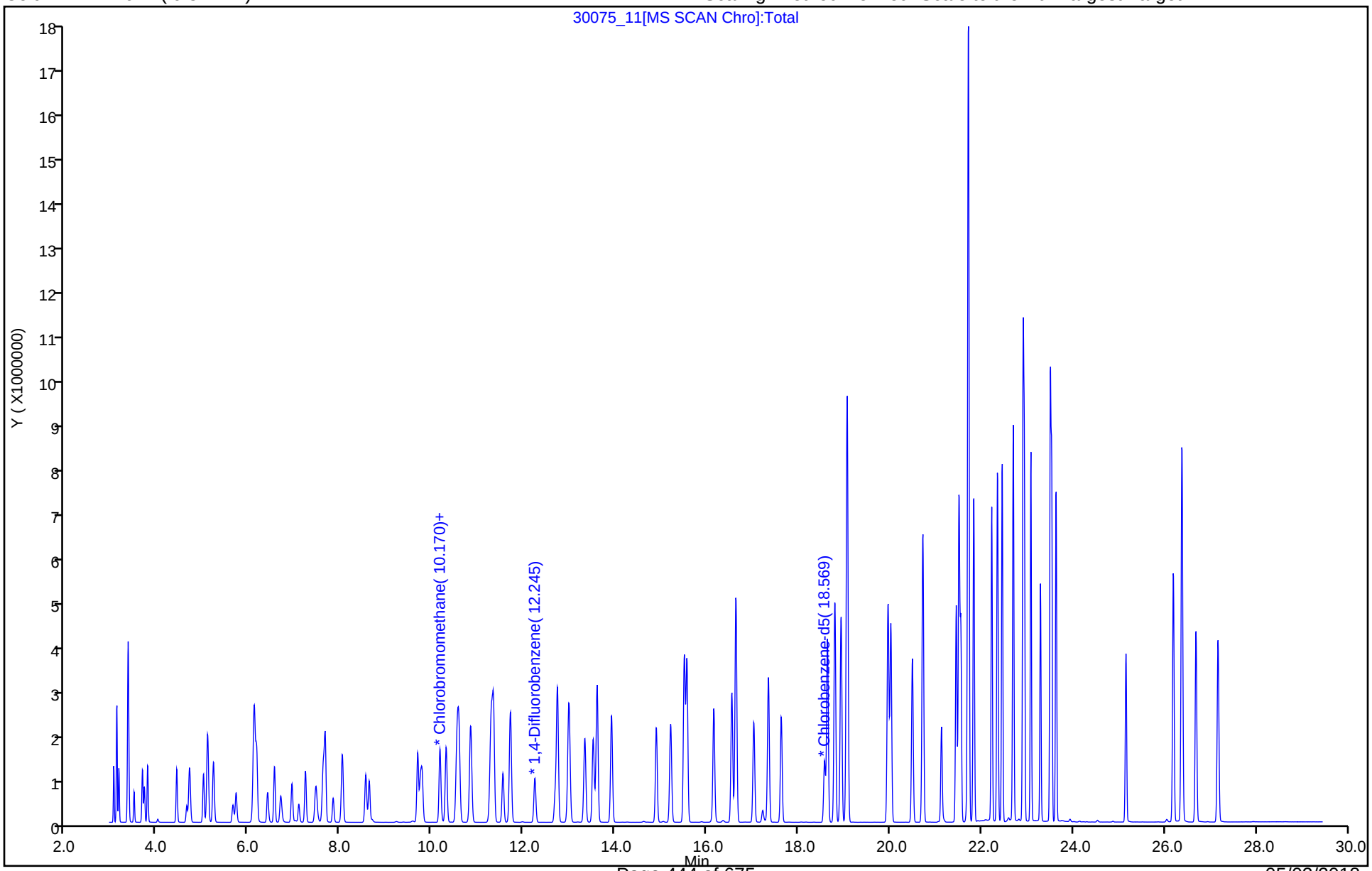
Report Date: 13-Apr-2018 09:12:58 Chrom Revision: 2.2 13-Mar-2018 08:45:20

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180412-30075.b\30075_11.D

Injection Date:	12-Apr-2018 23:23:30	Instrument ID:	CHX.i	Operator ID:	pad
Lims ID:	ic			Worklist Smp#:	11
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-43091-1

SDG No.: 200-43091-1

Lab Sample ID (1): CCVIS 200-128485/2 Instrument ID (1): CHB.i

GC Column (1): RTX-624 ID: 0.32(mm) Date Analyzed (1): 04/16/2018 10:19

ANALYTE	RT	RESOLUTION (%)
Dichlorodifluoromethane	3.19	100.0
Chlorodifluoromethane	3.22	100.0
1,2-Dichlorotetrafluoroethane	3.41	100.0
n-Butane	3.71	100.0
Vinyl chloride	3.74	100.0
1,3-Butadiene	3.81	100.0
Bromomethane	4.46	100.0
Chloroethane	4.69	100.0
Bromoethene(Vinyl Bromide)	5.10	100.0
Trichlorofluoromethane	5.21	100.0
1,1,2-Trichlorotrifluoroethane	6.24	100.0
1,1-Dichloroethene	6.30	100.0
Acetone	6.44	100.0
Isopropyl alcohol	6.67	100.0
Carbon disulfide	6.73	100.0
3-Chloropropene	7.00	100.0
Methylene Chloride	7.26	100.0
tert-Butyl alcohol	7.37	100.0
Methyl tert-butyl ether	7.61	100.0
trans-1,2-Dichloroethene	7.67	100.0
n-Hexane	8.00	100.0
1,1-Dichloroethane	8.41	100.0
Methyl Ethyl Ketone (2-Butanone)	9.29	100.0
cis-1,2-Dichloroethene	9.32	100.0
Tetrahydrofuran	9.69	100.0
Chloroform	9.75	100.0
1,1,1-Trichloroethane	10.01	100.0
Cyclohexane	10.03	100.0
Carbon tetrachloride	10.22	100.0
2,2,4-Trimethylpentane	10.51	100.0
Benzene	10.54	100.0
1,2-Dichloroethane	10.64	100.0
n-Heptane	10.76	100.0
Trichloroethene	11.46	100.0
1,2-Dichloropropane	11.82	100.0
Methyl methacrylate	11.86	100.0
1,4-Dioxane	11.95	100.0
Bromodichloromethane	12.18	100.0
cis-1,3-Dichloropropene	12.81	100.0
4-Methyl-2-pentanone (Methyl isobutyl ketone)	12.95	100.0
Toluene	13.24	100.0
trans-1,3-Dichloropropene	13.60	100.0
1,1,2-Trichloroethane	13.87	100.0
Tetrachloroethene	14.02	100.0
Methyl Butyl Ketone (2-Hexanone)	14.13	100.0

FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-43091-1

SDG No.: 200-43091-1

Lab Sample ID (1): CCVIS 200-128485/2 Instrument ID (1): CHB.i

GC Column (1): RTX-624 ID: 0.32(mm) Date Analyzed (1): 04/16/2018 10:19

ANALYTE	RT	RESOLUTION (%)
Dibromochloromethane	14.43	100.0
1,2-Dibromoethane	14.64	100.0
Chlorobenzene	15.24	100.0
Ethylbenzene	15.30	100.0
m,p-Xylene	15.45	100.0
o-Xylene	15.96	100.0
Styrene	15.99	100.0
Bromoform	16.28	100.0
Cumene	16.38	100.0
1,1,2,2-Tetrachloroethane	16.78	100.0
n-Propylbenzene	16.86	100.0
4-Ethyltoluene	16.98	100.0
2-Chlorotoluene	17.02	100.0
1,3,5-Trimethylbenzene	17.05	100.0
tert-Butylbenzene	17.42	100.0
1,2,4-Trimethylbenzene	17.49	100.0
sec-Butylbenzene	17.68	100.0
4-Isopropyltoluene	17.83	100.0
1,3-Dichlorobenzene	17.91	100.0
1,4-Dichlorobenzene	18.02	100.0
Benzyl chloride	18.17	100.0
n-Butylbenzene	18.34	100.0
1,2-Dichlorobenzene	18.51	100.0
1,2,4-Trichlorobenzene	20.86	100.0
Hexachlorobutadiene	21.03	100.0
Naphthalene	21.34	100.0

FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-43091-1

SDG No.: 200-43091-1

Lab Sample ID (1): CCVIS 200-128526/2 Instrument ID (1): CHX.i

GC Column (1): RTX-624 ID: 0.32(mm) Date Analyzed (1): 04/17/2018 09:58

ANALYTE	RT	RESOLUTION (%)
Dichlorodifluoromethane	3.11	100.0
Chlorodifluoromethane	3.16	100.0
1,2-Dichlorotetrafluoroethane	3.35	100.0
Chloromethane	3.49	100.0
n-Butane	3.66	100.0
Vinyl chloride	3.71	100.0
1,3-Butadiene	3.78	100.0
Bromomethane	4.41	100.0
Chloroethane	4.63	100.0
Bromoethene(Vinyl Bromide)	5.00	100.0
Trichlorofluoromethane	5.09	100.0
1,1,2-Trichlorotrifluoroethane	6.11	100.0
1,1-Dichloroethene	6.16	100.0
Acetone	6.40	100.0
Carbon disulfide	6.55	100.0
Isopropyl alcohol	6.68	100.0
3-Chloropropene	6.93	100.0
Methylene Chloride	7.23	100.0
tert-Butyl alcohol	7.45	100.0
Methyl tert-butyl ether	7.62	100.0
trans-1,2-Dichloroethene	7.66	100.0
n-Hexane	8.03	100.0
1,1-Dichloroethane	8.54	100.0
cis-1,2-Dichloroethene	9.68	100.0
Methyl Ethyl Ketone (2-Butanone)	9.74	100.0
Chloroform	10.30	100.0
Cyclohexane	10.54	100.0
1,1,1-Trichloroethane	10.58	100.0
Carbon tetrachloride	10.84	100.0
2,2,4-Trimethylpentane	11.28	100.0
Benzene	11.34	100.0
1,2-Dichloroethane	11.54	100.0
n-Heptane	11.70	100.0
Trichloroethene	12.73	100.0
1,2-Dichloropropane	13.33	100.0
Methyl methacrylate	13.51	100.0
1,4-Dioxane	13.57	100.0
Bromodichloromethane	13.91	100.0
cis-1,3-Dichloropropene	14.89	100.0
4-Methyl-2-pentanone (Methyl isobutyl ketone)	15.20	100.0
Toluene	15.50	100.0
trans-1,3-Dichloropropene	16.15	100.0
1,1,2-Trichloroethane	16.54	100.0
Tetrachloroethene	16.63	100.0
Methyl Butyl Ketone (2-Hexanone)	17.02	100.0

FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-43091-1

SDG No.: 200-43091-1

Lab Sample ID (1): CCVIS 200-128526/2 Instrument ID (1): CHX.i

GC Column (1): RTX-624 ID: 0.32(mm) Date Analyzed (1): 04/17/2018 09:58

ANALYTE	RT	RESOLUTION (%)
Dibromochloromethane	17.34	100.0
1,2-Dibromoethane	17.62	100.0
Chlorobenzene	18.63	100.0
Ethylbenzene	18.79	100.0
m,p-Xylene	19.06	100.0
o-Xylene	19.95	100.0
Styrene	20.01	100.0
Bromoform	20.48	100.0
Cumene	20.71	100.0
1,1,2,2-Tetrachloroethane	21.44	100.0
n-Propylbenzene	21.50	100.0
4-Ethyltoluene	21.71	100.0
2-Chlorotoluene	21.71	100.0
1,3,5-Trimethylbenzene	21.83	100.0
tert-Butylbenzene	22.35	100.0
1,2,4-Trimethylbenzene	22.45	100.0
sec-Butylbenzene	22.69	100.0
4-Isopropyltoluene	22.90	100.0
1,3-Dichlorobenzene	22.93	100.0
1,4-Dichlorobenzene	23.07	100.0
Benzyl chloride	23.29	100.0
n-Butylbenzene	23.50	100.0
1,2-Dichlorobenzene	23.62	100.0
1,2,4-Trichlorobenzene	26.19	100.0
Hexachlorobutadiene	26.37	100.0
Naphthalene	26.68	100.0

FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-43091-1

SDG No.: 200-43091-1

Lab Sample ID (1): CCVIS 200-128592/2 Instrument ID (1): CHB.i

GC Column (1): RTX-624 ID: 0.32(mm) Date Analyzed (1): 04/18/2018 10:52

ANALYTE	RT	RESOLUTION (%)
Dichlorodifluoromethane	3.19	100.0
Chlorodifluoromethane	3.23	100.0
1,2-Dichlorotetrafluoroethane	3.41	100.0
n-Butane	3.71	100.0
Vinyl chloride	3.74	100.0
1,3-Butadiene	3.81	100.0
Bromomethane	4.47	100.0
Chloroethane	4.69	100.0
Bromoethene(Vinyl Bromide)	5.10	100.0
Trichlorofluoromethane	5.21	100.0
1,1,2-Trichlorotrifluoroethane	6.24	100.0
1,1-Dichloroethene	6.30	100.0
Acetone	6.45	100.0
Isopropyl alcohol	6.67	100.0
Carbon disulfide	6.73	100.0
3-Chloropropene	7.00	100.0
Methylene Chloride	7.26	100.0
tert-Butyl alcohol	7.37	100.0
Methyl tert-butyl ether	7.61	100.0
trans-1,2-Dichloroethene	7.67	100.0
n-Hexane	8.00	100.0
1,1-Dichloroethane	8.41	100.0
Methyl Ethyl Ketone (2-Butanone)	9.30	100.0
cis-1,2-Dichloroethene	9.32	100.0
Tetrahydrofuran	9.69	100.0
Chloroform	9.75	100.0
1,1,1-Trichloroethane	10.01	100.0
Cyclohexane	10.03	100.0
Carbon tetrachloride	10.22	100.0
2,2,4-Trimethylpentane	10.51	100.0
Benzene	10.54	100.0
1,2-Dichloroethane	10.64	100.0
n-Heptane	10.76	100.0
Trichloroethene	11.46	100.0
1,2-Dichloropropane	11.82	100.0
Methyl methacrylate	11.86	100.0
1,4-Dioxane	11.95	100.0
Bromodichloromethane	12.18	100.0
cis-1,3-Dichloropropene	12.81	100.0
4-Methyl-2-pentanone (Methyl isobutyl ketone)	12.95	100.0
Toluene	13.24	100.0
trans-1,3-Dichloropropene	13.60	100.0
1,1,2-Trichloroethane	13.87	100.0
Tetrachloroethene	14.02	100.0
Methyl Butyl Ketone (2-Hexanone)	14.13	100.0

FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-43091-1

SDG No.: 200-43091-1

Lab Sample ID (1): CCVIS 200-128592/2 Instrument ID (1): CHB.i

GC Column (1): RTX-624 ID: 0.32(mm) Date Analyzed (1): 04/18/2018 10:52

ANALYTE	RT	RESOLUTION (%)
Dibromochloromethane	14.43	100.0
1,2-Dibromoethane	14.63	100.0
Chlorobenzene	15.23	100.0
Ethylbenzene	15.30	100.0
m,p-Xylene	15.45	100.0
o-Xylene	15.96	100.0
Styrene	15.99	100.0
Bromoform	16.28	100.0
Cumene	16.38	100.0
1,1,2,2-Tetrachloroethane	16.78	100.0
n-Propylbenzene	16.86	100.0
4-Ethyltoluene	16.98	100.0
2-Chlorotoluene	17.02	100.0
1,3,5-Trimethylbenzene	17.05	100.0
tert-Butylbenzene	17.42	100.0
1,2,4-Trimethylbenzene	17.49	100.0
sec-Butylbenzene	17.68	100.0
4-Isopropyltoluene	17.83	100.0
1,3-Dichlorobenzene	17.91	100.0
1,4-Dichlorobenzene	18.02	100.0
Benzyl chloride	18.17	100.0
n-Butylbenzene	18.34	100.0
1,2-Dichlorobenzene	18.51	100.0
1,2,4-Trichlorobenzene	20.86	100.0
Hexachlorobutadiene	21.03	100.0
Naphthalene	21.34	100.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-43091-1

SDG No.: 200-43091-1

Lab Sample ID: ICV 200-128188/24 Calibration Date: 04/06/2018 12:44

Instrument ID: CHB.i Calib Start Date: 04/05/2018 18:04

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 04/06/2018 10:05

Lab File ID: 29969-24.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.4607	0.4315		9.36	10.0	-6.3	30.0
Dichlorodifluoromethane	Ave	2.009	1.796		8.94	10.0	-10.6	30.0
Chlorodifluoromethane	Ave	1.063	0.9408		8.85	10.0	-11.5	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.333	2.259		9.68	10.0	-3.2	30.0
Chloromethane	Ave	0.7196	0.6215		8.63	10.0	-13.6	30.0
n-Butane	Ave	1.141	0.9927		8.70	10.0	-13.0	30.0
Vinyl chloride	Ave	1.056	0.8435		7.99	10.0	-20.1	30.0
1,3-Butadiene	Ave	0.7694	0.6073		7.89	10.0	-21.1	30.0
Bromomethane	Ave	1.115	1.027		9.21	10.0	-7.9	30.0
Chloroethane	Ave	0.6168	0.5677		9.20	10.0	-8.0	30.0
Isopentane	Ave	1.164	1.061		9.11	10.0	-8.9	30.0
Bromoethene(Vinyl Bromide)	Ave	1.186	1.090		9.18	10.0	-8.1	30.0
Trichlorofluoromethane	Ave	2.432	2.122		8.72	10.0	-12.8	30.0
n-Pentane	Ave	1.689	1.620		9.59	10.0	-4.1	30.0
Ethanol	Ave	0.3583	0.4132		17.3	15.0	15.3	30.0
Ethyl ether	Ave	0.7488	0.7604		10.2	10.0	1.6	30.0
Acrolein	Ave	0.3234	0.3837		11.9	10.0	18.6	30.0
1,1,2-Trichlorotrifluoroethane	Ave	2.154	1.978		9.18	10.0	-8.2	30.0
1,1-Dichloroethene	Ave	1.170	1.005		8.59	10.0	-14.1	30.0
Acetone	Ave	1.199	1.170		9.76	10.0	-2.4	30.0
Isopropyl alcohol	Ave	1.508	1.301		8.63	10.0	-13.7	30.0
Carbon disulfide	Ave	2.744	2.962		10.8	10.0	7.9	30.0
3-Chloropropene	Ave	1.138	1.095		9.62	10.0	-3.8	30.0
Acetonitrile	Ave	0.7260	0.7318		10.1	10.0	0.8	30.0
Methylene Chloride	Ave	1.096	0.9832		8.97	10.0	-10.3	30.0
tert-Butyl alcohol	Ave	1.997	1.803		9.03	10.0	-9.7	30.0
Methyl tert-butyl ether	Ave	2.886	2.605		9.03	10.0	-9.7	30.0
trans-1,2-Dichloroethene	Ave	1.468	1.395		9.50	10.0	-5.0	30.0
Acrylonitrile	Ave	0.7935	0.7715		9.72	10.0	-2.8	30.0
n-Hexane	Ave	1.824	1.626		8.91	10.0	-10.9	30.0
1,1-Dichloroethane	Ave	2.038	1.754		8.60	10.0	-14.0	30.0
Vinyl acetate	Ave	2.154	2.253		10.5	10.0	4.6	30.0
Methyl Ethyl Ketone (2-Butanone)	Ave	0.6084	0.5715		9.39	10.0	-6.1	30.0
cis-1,2-Dichloroethene	Ave	1.341	1.143		8.52	10.0	-14.8	30.0
Ethyl acetate	Ave	0.1086	0.1153		10.6	10.0	6.1	30.0
Tetrahydrofuran	Ave	0.2466	0.2370		9.61	10.0	-3.9	30.0
Chloroform	Ave	2.128	1.918		9.01	10.0	-9.9	30.0
1,1,1-Trichloroethane	Ave	0.4660	0.4152		8.91	10.0	-10.9	30.0
Cyclohexane	Ave	0.3650	0.3390		9.28	10.0	-7.1	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-43091-1

SDG No.: 200-43091-1

Lab Sample ID: ICV 200-128188/24 Calibration Date: 04/06/2018 12:44

Instrument ID: CHB.i Calib Start Date: 04/05/2018 18:04

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 04/06/2018 10:05

Lab File ID: 29969-24.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Carbon tetrachloride	Ave	0.4840	0.4295		8.87	10.0	-11.3	30.0
2,2,4-Trimethylpentane	Ave	1.218	1.079		8.86	10.0	-11.4	30.0
Benzene	Ave	0.8190	0.7204		8.80	10.0	-12.0	30.0
1,2-Dichloroethane	Ave	0.2688	0.2343		8.71	10.0	-12.8	30.0
n-Heptane	Ave	0.4429	0.3783		8.54	10.0	-14.6	30.0
n-Butanol	Ave	0.1669	0.1594		9.55	10.0	-4.5	30.0
Trichloroethene	Ave	0.3762	0.3229		8.58	10.0	-14.2	30.0
1,2-Dichloropropane	Ave	0.3189	0.2814		8.82	10.0	-11.8	30.0
Methyl methacrylate	Ave	0.2949	0.2772		9.40	10.0	-6.0	30.0
1,4-Dioxane	Ave	0.1727	0.1476		8.55	10.0	-14.5	30.0
Dibromomethane	Ave	0.3690	0.3278		8.88	10.0	-11.2	30.0
Bromodichloromethane	Ave	0.5274	0.4746		9.00	10.0	-10.0	30.0
cis-1,3-Dichloropropene	Ave	0.4458	0.4093		9.18	10.0	-8.2	30.0
4-Methyl-2-pentanone (Methyl isobutyl ketone)	Ave	0.5294	0.4493		8.49	10.0	-15.1	30.0
n-Octane	Ave	0.6029	0.5175		8.58	10.0	-14.2	30.0
Toluene	Ave	0.6835	0.6124		8.96	10.0	-10.4	30.0
trans-1,3-Dichloropropene	Ave	0.4270	0.3952		9.25	10.0	-7.4	30.0
1,1,2-Trichloroethane	Ave	0.3469	0.3187		9.19	10.0	-8.1	30.0
Tetrachloroethene	Ave	0.6037	0.5241		8.68	10.0	-13.2	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.5920	0.4715		7.96	10.0	-20.4	30.0
Dibromochloromethane	Ave	0.6179	0.5851		9.47	10.0	-5.3	30.0
1,2-Dibromoethane	Ave	0.6119	0.5638		9.21	10.0	-7.9	30.0
Chlorobenzene	Ave	0.8915	0.8094		9.08	10.0	-9.2	30.0
Ethylbenzene	Ave	1.419	1.254		8.84	10.0	-11.6	30.0
n-Nonane	Ave	0.6818	0.6049		8.87	10.0	-11.3	30.0
m,p-Xylene	Ave	0.5621	0.5086		18.1	20.0	-9.5	30.0
o-Xylene	Ave	0.5815	0.5115		8.79	10.0	-12.0	30.0
Styrene	Ave	0.8911	0.8017		9.00	10.0	-10.0	30.0
Bromoform	Ave	0.5694	0.6098		10.7	10.0	7.1	30.0
Cumene	Ave	1.529	1.385		9.06	10.0	-9.4	30.0
1,1,2,2-Tetrachloroethane	Ave	0.8679	0.7942		9.15	10.0	-8.5	30.0
n-Propylbenzene	Ave	1.878	1.667		8.88	10.0	-11.2	30.0
1,2,3-Trichloropropane	Ave	0.6307	0.5686		9.01	10.0	-9.9	30.0
n-Decane	Ave	0.8219	0.7508		9.13	10.0	-8.7	30.0
4-Ethyltoluene	Ave	1.534	1.410		9.19	10.0	-8.1	30.0
2-Chlorotoluene	Ave	1.279	1.128		8.82	10.0	-11.8	30.0
1,3,5-Trimethylbenzene	Ave	1.270	1.142		9.00	10.0	-10.0	30.0
Alpha Methyl Styrene	Ave	0.6639	0.6029		9.08	10.0	-9.2	30.0
tert-Butylbenzene	Ave	1.213	1.086		8.95	10.0	-10.5	30.0
1,2,4-Trimethylbenzene	Ave	1.266	1.134		8.96	10.0	-10.4	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-43091-1

SDG No.: 200-43091-1

Lab Sample ID: ICV 200-128188/24 Calibration Date: 04/06/2018 12:44

Instrument ID: CHB.i Calib Start Date: 04/05/2018 18:04

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 04/06/2018 10:05

Lab File ID: 29969-24.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
sec-Butylbenzene	Ave	1.871	1.656		8.85	10.0	-11.5	30.0
4-Isopropyltoluene	Ave	1.553	1.359		8.75	10.0	-12.5	30.0
1,3-Dichlorobenzene	Ave	0.9490	0.8474		8.93	10.0	-10.7	30.0
1,4-Dichlorobenzene	Ave	0.9444	0.8447		8.94	10.0	-10.6	30.0
Benzyl chloride	Ave	1.119	1.016		9.08	10.0	-9.2	30.0
n-Undecane	Ave	0.8488	0.8309		9.79	10.0	-2.1	30.0
n-Butylbenzene	Ave	1.495	1.259		8.42	10.0	-15.8	30.0
1,2-Dichlorobenzene	Ave	0.8963	0.7962		8.88	10.0	-11.2	30.0
n-Dodecane	Ave	0.7929	0.7229		9.12	10.0	-8.8	30.0
1,2,4-Trichlorobenzene	Ave	0.7538	0.6448		8.55	10.0	-14.5	30.0
Hexachlorobutadiene	Ave	0.6468	0.5595		8.65	10.0	-13.5	30.0
Naphthalene	Ave	1.613	1.234		7.65	10.0	-23.5	30.0
1,2,3-Trichlorobenzene	Ave	0.6849	0.5681		8.29	10.0	-17.1	30.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180405-29969.b\29969-24.D
Lims ID: icv
Client ID:
Sample Type: ICV
Inject. Date: 06-Apr-2018 12:44:30 ALS Bottle#: 24 Worklist Smp#: 24
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0029969-024
Operator ID: pad Instrument ID: CHB.i
Sublist:

Method: \\ChromNA\Burlington\ChromData\CHB.i\20180405-29969.b\TO15_LLNJ_TO3.m
Limit Group: AI_TO15_ICAL
Last Update: 06-Apr-2018 15:40:39 Calib Date: 06-Apr-2018 10:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHB.i\20180405-29969.b\29969-21.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK029

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	3.129	3.129	0.000	99	187423	10.0	9.36	
2 Dichlorodifluoromethane	85	3.188	3.188	0.000	98	779926	10.0	8.94	
3 Chlorodifluoromethane	51	3.225	3.220	0.005	97	408610	10.0	8.85	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.407	3.407	0.000	89	981149	10.0	9.68	
5 Chloromethane	50	3.529	3.529	0.000	98	269926	10.0	8.63	
6 Butane	43	3.706	3.705	0.001	97	431173	10.0	8.70	
7 Vinyl chloride	62	3.738	3.738	0.000	97	366355	10.0	7.99	
8 Butadiene	54	3.807	3.802	0.005	92	263787	10.0	7.89	
10 Bromomethane	94	4.469	4.463	0.006	100	445985	10.0	9.21	
9 BFB									
11 Chloroethane	64	4.698	4.693	0.005	98	246564	10.0	9.20	
12 2-Methylbutane	43	4.784	4.778	0.006	92	460743	10.0	9.11	
13 Vinyl bromide	106	5.109	5.104	0.005	99	473360	10.0	9.18	
14 Trichlorofluoromethane	101	5.211	5.205	0.006	98	921471	10.0	8.72	
15 Pentane	43	5.344	5.339	0.005	97	703758	10.0	9.59	
16 Ethanol	45	5.659	5.653	0.006	99	269314	15.0	17.3	
17 Ethyl ether	59	5.814	5.814	0.000	94	330285	10.0	10.2	
18 Acrolein	56	6.177	6.176	0.001	95	166633	10.0	11.9	
19 1,1,2-Trichloro-1,2,2-trif	101	6.235	6.230	0.005	98	859108	10.0	9.18	
20 1,1-Dichloroethene	96	6.305	6.299	0.006	93	436421	10.0	8.59	
21 Acetone	43	6.449	6.443	0.006	94	508073	10.0	9.76	
22 Isopropyl alcohol	45	6.668	6.662	0.006	99	565220	10.0	8.63	
23 Carbon disulfide	76	6.737	6.732	0.005	98	1286275	10.0	10.8	
24 3-Chloro-1-propene	41	7.004	6.998	0.006	91	475732	10.0	9.62	
26 Acetonitrile	41	7.057	7.052	0.005	98	317833	10.0	10.1	
27 Methylene Chloride	49	7.260	7.255	0.005	86	427049	10.0	8.97	
28 2-Methyl-2-propanol	59	7.367	7.367	0.000	93	783104	10.0	9.03	
29 Methyl tert-butyl ether	73	7.612	7.607	0.005	98	1131504	10.0	9.03	
30 trans-1,2-Dichloroethene	61	7.671	7.665	0.006	94	605950	10.0	9.50	
31 Acrylonitrile	53	7.735	7.735	0.000	95	335072	10.0	9.72	
32 Hexane	57	8.002	8.002	0.000	90	706340	10.0	8.91	
33 1,1-Dichloroethane	63	8.413	8.407	0.006	99	761725	10.0	8.60	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
34 Vinyl acetate	43	8.418	8.413	0.005	99	978544	10.0	10.5	
36 2-Butanone (MEK)	72	9.299	9.299	0.000	99	248228	10.0	9.39	
37 cis-1,2-Dichloroethene	96	9.315	9.315	0.000	93	496498	10.0	8.52	
35 Ethyl acetate	88	9.315	9.315	0.000	95	50060	10.0	10.6	
* 39 Chlorobromomethane	128	9.683	9.683	0.000	85	434417	10.0	10.0	
38 Tetrahydrofuran	42	9.694	9.694	0.000	90	459214	10.0	9.61	
40 Chloroform	83	9.758	9.758	0.000	96	833112	10.0	9.01	
S 41 1,2-Dichloroethene, Total	61				0		20.0	18.0	
42 1,1,1-Trichloroethane	97	10.014	10.014	0.000	96	804391	10.0	8.91	
43 Cyclohexane	84	10.030	10.030	0.000	95	656724	10.0	9.28	
44 Carbon tetrachloride	117	10.222	10.222	0.000	98	832027	10.0	8.87	
45 Isooctane	57	10.505	10.505	0.000	99	2091313	10.0	8.86	
46 Benzene	78	10.548	10.547	0.001	96	1395738	10.0	8.80	
47 1,2-Dichloroethane	62	10.644	10.643	0.001	94	453961	10.0	8.71	
48 n-Heptane	43	10.761	10.761	0.000	87	732845	10.0	8.54	
A 49 GRO	1	10.852	(4.768-16.935)		0	175332273	10.0	0	
* 50 1,4-Difluorobenzene	114	11.092	11.086	0.006	94	1937756	10.0	10.0	
51 n-Butanol	56	11.273	11.268	0.005	84	308821	10.0	9.55	
53 Trichloroethene	95	11.460	11.460	0.000	97	625480	10.0	8.58	
54 1,2-Dichloropropane	63	11.828	11.823	0.005	93	545087	10.0	8.82	
55 Methyl methacrylate	69	11.860	11.866	-0.006	95	536950	10.0	9.40	
56 1,4-Dioxane	88	11.951	11.951	0.000	92	286044	10.0	8.55	
57 Dibromomethane	174	12.015	12.015	0.000	94	635129	10.0	8.88	
58 Dichlorobromomethane	83	12.186	12.186	0.000	98	919433	10.0	9.00	
A 59 TVOC as Toluene	1	12.471	(3.119-21.824)		0	292335681	10.0	0	
60 cis-1,3-Dichloropropene	75	12.810	12.810	0.000	87	792908	10.0	9.18	
61 4-Methyl-2-pentanone (MIBK	43	12.960	12.960	0.000	92	870443	10.0	8.49	
63 n-Octane	43	13.232	13.232	0.000	86	1002570	10.0	8.58	
64 Toluene	92	13.243	13.243	0.000	94	1054333	10.0	8.96	
66 trans-1,3-Dichloropropene	75	13.606	13.605	0.001	93	765674	10.0	9.25	
67 1,1,2-Trichloroethane	83	13.878	13.872	0.006	94	548737	10.0	9.19	
68 Tetrachloroethene	166	14.022	14.016	0.006	98	902272	10.0	8.68	
69 2-Hexanone	43	14.134	14.134	0.000	98	811727	10.0	7.96	
70 Chlorodibromomethane	129	14.433	14.433	0.000	97	1007302	10.0	9.47	
71 Ethylene Dibromide	107	14.636	14.635	0.001	98	970606	10.0	9.21	
* 72 Chlorobenzene-d5	117	15.201	15.196	0.005	83	1721948	10.0	10.0	
73 Chlorobenzene	112	15.239	15.239	0.000	96	1393452	10.0	9.08	
74 Ethylbenzene	91	15.308	15.303	0.005	97	2159474	10.0	8.84	
75 n-Nonane	57	15.329	15.329	0.000	85	1041457	10.0	8.87	
76 m-Xylene & p-Xylene	106	15.452	15.452	0.000	0	1751378	20.0	18.1	
78 o-Xylene	106	15.964	15.964	0.000	98	880568	10.0	8.79	
79 Styrene	104	15.991	15.986	0.005	97	1380215	10.0	9.00	
S 77 Xylenes, Total	106				0		30.0	26.9	
80 Bromoform	173	16.279	16.279	0.000	98	1049839	10.0	10.7	
81 Isopropylbenzene	105	16.375	16.375	0.000	95	2385207	10.0	9.06	
83 1,1,2,2-Tetrachloroethane	83	16.781	16.781	0.000	97	1367277	10.0	9.15	
84 N-Propylbenzene	91	16.856	16.856	0.000	99	2869946	10.0	8.88	
85 1,2,3-Trichloropropane	75	16.866	16.866	0.000	96	978863	10.0	9.01	
86 n-Decane	57	16.925	16.925	0.000	91	1292546	10.0	9.13	
87 4-Ethyltoluene	105	16.984	16.984	0.000	97	2427634	10.0	9.19	
88 2-Chlorotoluene	91	17.021	17.021	0.000	97	1942381	10.0	8.82	
89 1,3,5-Trimethylbenzene	105	17.048	17.048	0.000	94	1966875	10.0	9.00	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
90 Alpha Methyl Styrene	118	17.320	17.320	0.000	89	1038010	10.0	9.08	
91 tert-Butylbenzene	119	17.421	17.421	0.000	95	1869201	10.0	8.95	
92 1,2,4-Trimethylbenzene	105	17.496	17.496	0.000	96	1952244	10.0	8.96	
93 sec-Butylbenzene	105	17.683	17.683	0.000	98	2850407	10.0	8.85	
94 4-Isopropyltoluene	119	17.832	17.832	0.000	97	2340389	10.0	8.75	
95 1,3-Dichlorobenzene	146	17.912	17.912	0.000	96	1458808	10.0	8.93	
96 1,4-Dichlorobenzene	146	18.025	18.024	0.001	95	1454260	10.0	8.94	
97 Benzyl chloride	91	18.174	18.169	0.005	100	1749568	10.0	9.08	
98 Undecane	57	18.307	18.307	0.000	93	1430437	10.0	9.79	
99 n-Butylbenzene	91	18.339	18.339	0.000	98	2168215	10.0	8.42	
100 1,2-Dichlorobenzene	146	18.505	18.505	0.000	97	1370730	10.0	8.88	
102 Dodecane	57	19.759	19.754	0.005	97	1244624	10.0	9.12	
103 1,2,4-Trichlorobenzene	180	20.864	20.864	0.000	95	1110139	10.0	8.55	
104 Hexachlorobutadiene	225	21.029	21.029	0.000	98	963283	10.0	8.65	
105 Naphthalene	128	21.339	21.339	0.000	99	2124109	10.0	7.65	
106 1,2,3-Trichlorobenzene	180	21.814	21.814	0.000	96	978057	10.0	8.29	

Reagents:

ATTO15LCSW_00763	Amount Added: 200.00	Units: mL	
ATTO15BISs_00006	Amount Added: 20.00	Units: mL	Run Reagent

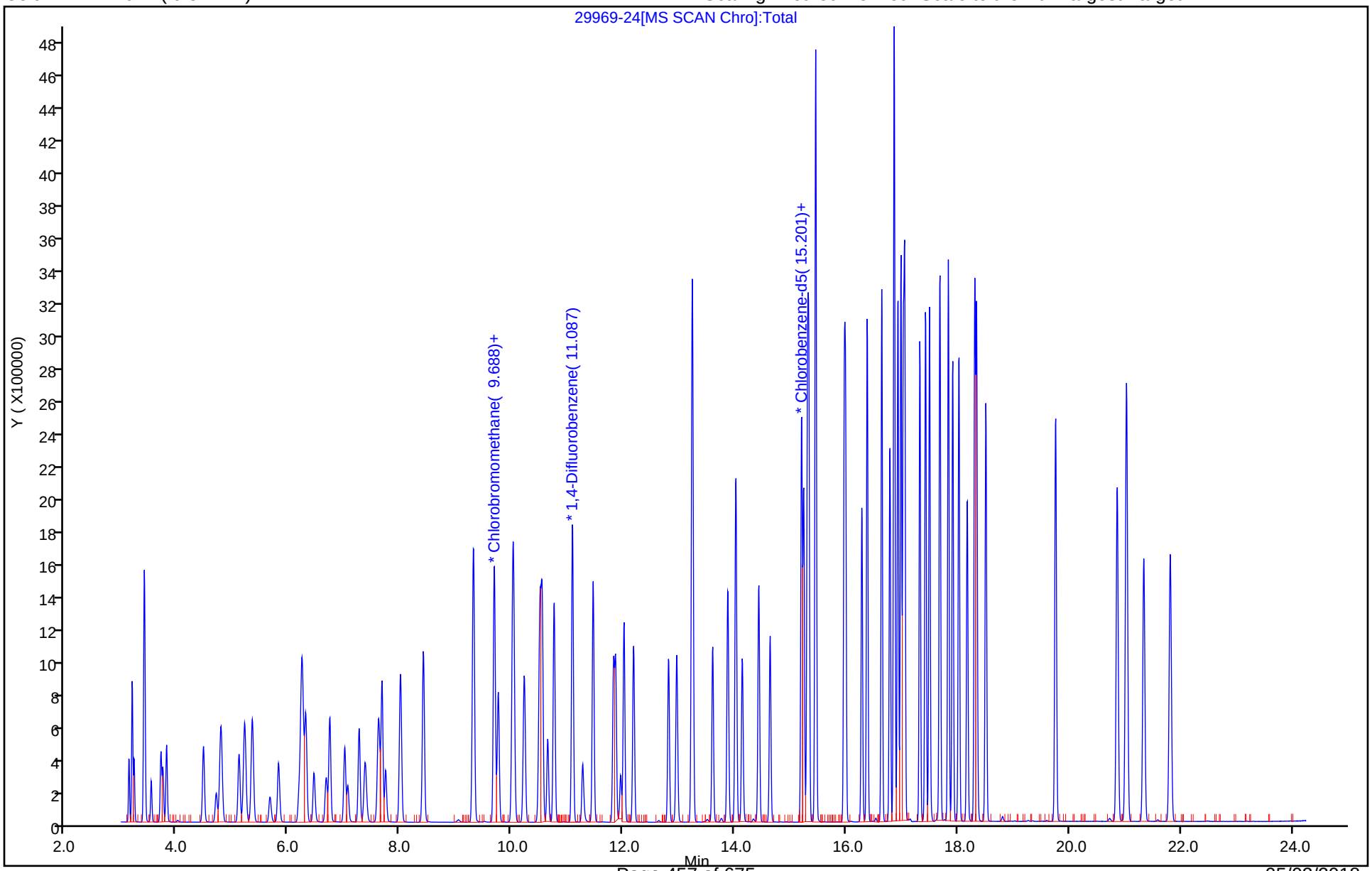
Report Date: 06-Apr-2018 15:40:52 Chrom Revision: 2.2 13-Mar-2018 08:45:20

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180405-29969.b\29969-24.D

Injection Date:	06-Apr-2018 12:44:30	Instrument ID:	CHB.i	Operator ID:	pad
Lims ID:	icv			Worklist Smp#:	24
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	24
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-43091-1

SDG No.: 200-43091-1

Lab Sample ID: CCVIS 200-128485/2 Calibration Date: 04/16/2018 10:19

Instrument ID: CHB.i Calib Start Date: 04/05/2018 18:04

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 04/06/2018 10:05

Lab File ID: 30117-02.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.4607	0.5707		12.4	10.0	23.9	30.0
Dichlorodifluoromethane	Ave	2.009	2.063		10.3	10.0	2.7	30.0
Chlorodifluoromethane	Ave	1.063	1.145		10.8	10.0	7.8	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.333	2.273		9.74	10.0	-2.6	30.0
Chloromethane	Ave	0.7196	0.7701		10.7	10.0	7.0	30.0
n-Butane	Ave	1.141	1.240		10.9	10.0	8.7	30.0
Vinyl chloride	Ave	1.056	0.9688		9.18	10.0	-8.2	30.0
1,3-Butadiene	Ave	0.7694	0.7301		9.49	10.0	-5.1	30.0
Bromomethane	Ave	1.115	1.028		9.22	10.0	-7.8	30.0
Chloroethane	Ave	0.6168	0.6036		9.78	10.0	-2.1	30.0
Isopentane	Ave	1.164	1.155		9.92	10.0	-0.8	30.0
Bromoethene(Vinyl Bromide)	Ave	1.186	1.057		8.90	10.0	-10.9	30.0
Trichlorofluoromethane	Ave	2.432	2.232		9.18	10.0	-8.2	30.0
n-Pentane	Ave	1.689	1.731		10.2	10.0	2.5	30.0
Ethanol	Ave	0.3583	0.4361		18.3	15.0	21.7	30.0
Ethyl ether	Ave	0.7488	0.7358		9.82	10.0	-1.7	30.0
Acrolein	Ave	0.3234	0.3712		11.5	10.0	14.8	30.0
1,1,2-Trichlorotrifluoroethane	Ave	2.154	1.919		8.91	10.0	-10.9	30.0
1,1-Dichloroethene	Ave	1.170	0.9866		8.43	10.0	-15.7	30.0
Acetone	Ave	1.199	1.347		11.2	10.0	12.4	30.0
Isopropyl alcohol	Ave	1.508	1.679		11.1	10.0	11.3	30.0
Carbon disulfide	Ave	2.744	2.616		9.53	10.0	-4.7	30.0
3-Chloropropene	Ave	1.138	1.024		9.00	10.0	-10.0	30.0
Acetonitrile	Ave	0.7260	0.9101		12.5	10.0	25.4	30.0
Methylene Chloride	Ave	1.096	1.090		9.94	10.0	-0.6	30.0
tert-Butyl alcohol	Ave	1.997	2.115		10.6	10.0	5.9	30.0
Methyl tert-butyl ether	Ave	2.886	2.723		9.43	10.0	-5.7	30.0
trans-1,2-Dichloroethene	Ave	1.468	1.393		9.48	10.0	-5.1	30.0
Acrylonitrile	Ave	0.7935	0.7973		10.0	10.0	0.5	30.0
n-Hexane	Ave	1.824	1.617		8.86	10.0	-11.4	30.0
1,1-Dichloroethane	Ave	2.038	1.821		8.93	10.0	-10.7	30.0
Vinyl acetate	Ave	2.154	2.427		11.3	10.0	12.7	30.0
Methyl Ethyl Ketone (2-Butanone)	Ave	0.6084	0.5881		9.66	10.0	-3.3	30.0
cis-1,2-Dichloroethene	Ave	1.341	1.133		8.45	10.0	-15.5	30.0
Ethyl acetate	Ave	0.1086	0.1051		9.68	10.0	-3.2	30.0
Tetrahydrofuran	Ave	0.2466	0.2692		10.9	10.0	9.1	30.0
Chloroform	Ave	2.128	1.952		9.17	10.0	-8.3	30.0
1,1,1-Trichloroethane	Ave	0.4660	0.4197		9.00	10.0	-9.9	30.0
Cyclohexane	Ave	0.3650	0.3276		8.97	10.0	-10.3	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-43091-1

SDG No.: 200-43091-1

Lab Sample ID: CCVIS 200-128485/2 Calibration Date: 04/16/2018 10:19

Instrument ID: CHB.i Calib Start Date: 04/05/2018 18:04

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 04/06/2018 10:05

Lab File ID: 30117-02.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Carbon tetrachloride	Ave	0.4840	0.4256		8.79	10.0	-12.1	30.0
2,2,4-Trimethylpentane	Ave	1.218	1.143		9.38	10.0	-6.2	30.0
Benzene	Ave	0.8190	0.7128		8.70	10.0	-13.0	30.0
1,2-Dichloroethane	Ave	0.2688	0.2501		9.30	10.0	-7.0	30.0
n-Heptane	Ave	0.4429	0.4281		9.67	10.0	-3.3	30.0
n-Butanol	Ave	0.1669	0.1729		10.4	10.0	3.6	30.0
Trichloroethene	Ave	0.3762	0.3122		8.30	10.0	-17.0	30.0
1,2-Dichloropropane	Ave	0.3189	0.2889		9.06	10.0	-9.4	30.0
Methyl methacrylate	Ave	0.2949	0.2799		9.49	10.0	-5.1	30.0
1,4-Dioxane	Ave	0.1727	0.1673		9.68	10.0	-3.1	30.0
Dibromomethane	Ave	0.3690	0.3137		8.50	10.0	-15.0	30.0
Bromodichloromethane	Ave	0.5274	0.4824		9.14	10.0	-8.5	30.0
cis-1,3-Dichloropropene	Ave	0.4458	0.4065		9.12	10.0	-8.8	30.0
4-Methyl-2-pentanone (Methyl isobutyl ketone)	Ave	0.5294	0.5418		10.2	10.0	2.4	30.0
n-Octane	Ave	0.6029	0.5906		9.80	10.0	-2.0	30.0
Toluene	Ave	0.6835	0.5950		8.70	10.0	-13.0	30.0
trans-1,3-Dichloropropene	Ave	0.4270	0.3936		9.22	10.0	-7.8	30.0
1,1,2-Trichloroethane	Ave	0.3469	0.3098		8.93	10.0	-10.7	30.0
Tetrachloroethene	Ave	0.6037	0.4893		8.10	10.0	-19.0	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.5920	0.5930		10.0	10.0	0.2	30.0
Dibromochloromethane	Ave	0.6179	0.5568		9.01	10.0	-9.9	30.0
1,2-Dibromoethane	Ave	0.6119	0.5424		8.86	10.0	-11.4	30.0
Chlorobenzene	Ave	0.8915	0.7789		8.74	10.0	-12.6	30.0
Ethylbenzene	Ave	1.419	1.245		8.77	10.0	-12.3	30.0
n-Nonane	Ave	0.6818	0.6394		9.38	10.0	-6.2	30.0
m,p-Xylene	Ave	0.5621	0.5019		17.9	20.0	-10.7	30.0
o-Xylene	Ave	0.5815	0.5091		8.75	10.0	-12.4	30.0
Styrene	Ave	0.8911	0.8024		9.00	10.0	-10.0	30.0
Bromoform	Ave	0.5694	0.5202		9.13	10.0	-8.6	30.0
Cumene	Ave	1.529	1.381		9.03	10.0	-9.7	30.0
1,1,2,2-Tetrachloroethane	Ave	0.8679	0.7924		9.13	10.0	-8.7	30.0
n-Propylbenzene	Ave	1.878	1.720		9.16	10.0	-8.4	30.0
1,2,3-Trichloropropane	Ave	0.6307	0.5968		9.46	10.0	-5.4	30.0
n-Decane	Ave	0.8219	0.8087		9.84	10.0	-1.6	30.0
4-Ethyltoluene	Ave	1.534	1.386		9.03	10.0	-9.6	30.0
2-Chlorotoluene	Ave	1.279	1.150		8.99	10.0	-10.1	30.0
1,3,5-Trimethylbenzene	Ave	1.270	1.150		9.06	10.0	-9.4	30.0
Alpha Methyl Styrene	Ave	0.6639	0.6165		9.28	10.0	-7.1	30.0
tert-Butylbenzene	Ave	1.213	1.103		9.09	10.0	-9.0	30.0
1,2,4-Trimethylbenzene	Ave	1.266	1.161		9.17	10.0	-8.3	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-43091-1

SDG No.: 200-43091-1

Lab Sample ID: CCVIS 200-128485/2 Calibration Date: 04/16/2018 10:19

Instrument ID: CHB.i Calib Start Date: 04/05/2018 18:04

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 04/06/2018 10:05

Lab File ID: 30117-02.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
sec-Butylbenzene	Ave	1.871	1.711		9.14	10.0	-8.6	30.0
4-Isopropyltoluene	Ave	1.553	1.385		8.92	10.0	-10.8	30.0
1,3-Dichlorobenzene	Ave	0.9490	0.8424		8.88	10.0	-11.2	30.0
1,4-Dichlorobenzene	Ave	0.9444	0.8342		8.83	10.0	-11.7	30.0
Benzyl chloride	Ave	1.119	1.041		9.30	10.0	-7.0	30.0
n-Undecane	Ave	0.8488	0.8676		10.2	10.0	2.2	30.0
n-Butylbenzene	Ave	1.495	1.306		8.73	10.0	-12.6	30.0
1,2-Dichlorobenzene	Ave	0.8963	0.7922		8.84	10.0	-11.6	30.0
n-Dodecane	Ave	0.7929	0.7191		9.07	10.0	-9.3	30.0
1,2,4-Trichlorobenzene	Ave	0.7538	0.6264		8.31	10.0	-16.9	30.0
Hexachlorobutadiene	Ave	0.6468	0.5502		8.50	10.0	-14.9	30.0
Naphthalene	Ave	1.613	1.269		7.86	10.0	-21.3	30.0
1,2,3-Trichlorobenzene	Ave	0.6849	0.5718		8.35	10.0	-16.5	30.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-02.D
Lims ID: ccvis
Client ID:
Sample Type: CCVIS
Inject. Date: 16-Apr-2018 10:19:30 ALS Bottle#: 2 Worklist Smp#: 2
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0030117-002
Operator ID: pad Instrument ID: CHB.i
Sublist: chrom-TO15_LLNJ_TO3*sub5

Method: \\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\TO15_LLNJ_TO3.m
Limit Group: AI_TO15_ICAL
Last Update: 17-Apr-2018 14:32:37 Calib Date: 06-Apr-2018 10:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHB.i\20180405-29969.b\29969-21.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK005

First Level Reviewer: phamvu Date: 17-Apr-2018 14:29:52

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	3.129	3.129	0.000	99	226080	10.0	12.4	
2 Dichlorodifluoromethane	85	3.188	3.188	0.000	98	817234	10.0	10.3	
3 Chlorodifluoromethane	51	3.220	3.220	0.000	97	453681	10.0	10.8	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.407	3.407	0.000	96	900579	10.0	9.74	
5 Chloromethane	50	3.529	3.529	0.000	98	305081	10.0	10.7	
6 Butane	43	3.706	3.706	0.000	98	491213	10.0	10.9	
7 Vinyl chloride	62	3.738	3.738	0.000	97	383792	10.0	9.18	
8 Butadiene	54	3.807	3.807	0.000	93	289243	10.0	9.49	
10 Bromomethane	94	4.463	4.463	0.000	100	407118	10.0	9.22	
11 Chloroethane	64	4.693	4.693	0.000	99	239117	10.0	9.78	
12 2-Methylbutane	43	4.778	4.778	0.000	92	457707	10.0	9.92	
13 Vinyl bromide	106	5.104	5.104	0.000	99	418630	10.0	8.90	
14 Trichlorofluoromethane	101	5.205	5.205	0.000	98	884403	10.0	9.18	
15 Pentane	43	5.339	5.339	0.000	97	685867	10.0	10.2	
16 Ethanol	45	5.654	5.654	0.000	99	259232	15.0	18.3	
9 BFB									
17 Ethyl ether	59	5.814	5.814	0.000	94	291470	10.0	9.82	
18 Acrolein	56	6.177	6.177	0.000	95	147070	10.0	11.5	
19 1,1,2-Trichloro-1,2,2-trif	101	6.235	6.235	0.000	98	760342	10.0	8.91	
20 1,1-Dichloroethene	96	6.299	6.299	0.000	96	390852	10.0	8.43	
21 Acetone	43	6.443	6.443	0.000	95	533585	10.0	11.2	
22 Isopropyl alcohol	45	6.668	6.668	0.000	99	665029	10.0	11.1	
23 Carbon disulfide	76	6.732	6.732	0.000	98	1036274	10.0	9.53	
24 3-Chloro-1-propene	41	6.998	6.998	0.000	94	405753	10.0	9.00	
26 Acetonitrile	41	7.052	7.052	0.000	97	360545	10.0	12.5	
27 Methylene Chloride	49	7.255	7.255	0.000	91	431741	10.0	9.94	
28 2-Methyl-2-propanol	59	7.367	7.367	0.000	94	837955	10.0	10.6	
29 Methyl tert-butyl ether	73	7.607	7.607	0.000	98	1078622	10.0	9.43	
30 trans-1,2-Dichloroethene	61	7.671	7.671	0.000	96	551781	10.0	9.48	
31 Acrylonitrile	53	7.735	7.735	0.000	94	315838	10.0	10.0	
32 Hexane	57	8.002	8.002	0.000	92	640492	10.0	8.86	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
33 1,1-Dichloroethane	63	8.407	8.407	0.000	99	721462	10.0	8.93	
34 Vinyl acetate	43	8.413	8.413	0.000	100	961412	10.0	11.3	
36 2-Butanone (MEK)	72	9.293	9.293	0.000	99	232963	10.0	9.66	
37 cis-1,2-Dichloroethene	96	9.315	9.315	0.000	95	449002	10.0	8.45	
35 Ethyl acetate	88	9.320	9.320	0.000	93	41650	10.0	9.68	
* 39 Chlorobromomethane	128	9.683	9.683	0.000	92	396233	10.0	10.0	
38 Tetrahydrofuran	42	9.688	9.688	0.000	92	481610	10.0	10.9	
40 Chloroform	83	9.752	9.752	0.000	96	773304	10.0	9.17	
S 41 1,2-Dichloroethene, Total	61				0		20.0	17.9	
42 1,1,1-Trichloroethane	97	10.014	10.014	0.000	96	750909	10.0	9.00	
43 Cyclohexane	84	10.030	10.030	0.000	98	586120	10.0	8.97	
44 Carbon tetrachloride	117	10.222	10.222	0.000	98	761422	10.0	8.79	
45 Isooctane	57	10.505	10.505	0.000	99	2044267	10.0	9.38	
46 Benzene	78	10.542	10.542	0.000	96	1275333	10.0	8.70	
47 1,2-Dichloroethane	62	10.644	10.644	0.000	94	447397	10.0	9.30	
48 n-Heptane	43	10.756	10.756	0.000	90	766038	10.0	9.67	
A 49 GRO	1	11.132	(4.768-16.935)		0	167456358	10.0	0	
* 50 1,4-Difluorobenzene	114	11.087	11.087	0.000	95	1789580	10.0	10.0	
51 n-Butanol	56	11.268	11.268	0.000	88	309297	10.0	10.4	
53 Trichloroethene	95	11.455	11.455	0.000	98	558599	10.0	8.30	
54 1,2-Dichloropropane	63	11.823	11.823	0.000	93	516918	10.0	9.06	
55 Methyl methacrylate	69	11.860	11.860	0.000	98	500791	10.0	9.49	
56 1,4-Dioxane	88	11.951	11.951	0.000	95	299386	10.0	9.68	
57 Dibromomethane	174	12.010	12.010	0.000	95	561203	10.0	8.50	
58 Dichlorobromomethane	83	12.181	12.181	0.000	99	863080	10.0	9.14	
A 59 TVOC as Toluene	1	12.760	(3.119-21.824)		0	279082786	10.0	0	
60 cis-1,3-Dichloropropene	75	12.810	12.810	0.000	89	727232	10.0	9.12	
61 4-Methyl-2-pentanone (MIBK	43	12.954	12.954	0.000	94	969478	10.0	10.2	
63 n-Octane	43	13.232	13.232	0.000	90	1056785	10.0	9.80	
64 Toluene	92	13.243	13.243	0.000	94	951571	10.0	8.70	
66 trans-1,3-Dichloropropene	75	13.600	13.600	0.000	95	704195	10.0	9.22	
67 1,1,2-Trichloroethane	83	13.872	13.872	0.000	95	495401	10.0	8.93	
68 Tetrachloroethene	166	14.016	14.016	0.000	99	782455	10.0	8.10	
69 2-Hexanone	43	14.134	14.134	0.000	97	948306	10.0	10.0	
70 Chlorodibromomethane	129	14.427	14.427	0.000	97	890485	10.0	9.01	
71 Ethylene Dibromide	107	14.636	14.636	0.000	99	867330	10.0	8.86	
* 72 Chlorobenzene-d5	117	15.196	15.196	0.000	84	1599524	10.0	10.0	
73 Chlorobenzene	112	15.239	15.239	0.000	95	1245545	10.0	8.74	
74 Ethylbenzene	91	15.303	15.303	0.000	98	1990715	10.0	8.77	
75 n-Nonane	57	15.329	15.329	0.000	92	1022558	10.0	9.38	
76 m-Xylene & p-Xylene	106	15.452	15.452	0.000	0	1605313	20.0	17.9	
78 o-Xylene	106	15.964	15.964	0.000	98	814140	10.0	8.75	
79 Styrene	104	15.986	15.986	0.000	98	1283221	10.0	9.00	
S 77 Xylenes, Total	106				0		30.0	26.6	
80 Bromoform	173	16.279	16.279	0.000	97	831897	10.0	9.13	
81 Isopropylbenzene	105	16.375	16.375	0.000	96	2208655	10.0	9.03	
83 1,1,2,2-Tetrachloroethane	83	16.781	16.781	0.000	98	1267131	10.0	9.13	
84 N-Propylbenzene	91	16.856	16.856	0.000	99	2751183	10.0	9.16	
85 1,2,3-Trichloropropane	75	16.866	16.866	0.000	97	954446	10.0	9.46	
86 n-Decane	57	16.925	16.925	0.000	91	1293328	10.0	9.84	
87 4-Ethyltoluene	105	16.978	16.978	0.000	97	2217204	10.0	9.03	
88 2-Chlorotoluene	91	17.021	17.021	0.000	96	1838945	10.0	8.99	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 1,3,5-Trimethylbenzene	105	17.048	17.048	0.000	96	1839835	10.0	9.06	
90 Alpha Methyl Styrene	118	17.320	17.320	0.000	89	985850	10.0	9.28	
91 tert-Butylbenzene	119	17.421	17.421	0.000	94	1764658	10.0	9.09	
92 1,2,4-Trimethylbenzene	105	17.491	17.491	0.000	97	1856678	10.0	9.17	
93 sec-Butylbenzene	105	17.678	17.678	0.000	98	2736128	10.0	9.14	
94 4-Isopropyltoluene	119	17.832	17.832	0.000	97	2215638	10.0	8.92	
95 1,3-Dichlorobenzene	146	17.912	17.912	0.000	97	1347159	10.0	8.88	
96 1,4-Dichlorobenzene	146	18.019	18.019	0.000	95	1334015	10.0	8.83	
97 Benzyl chloride	91	18.169	18.169	0.000	99	1664396	10.0	9.30	
98 Undecane	57	18.302	18.302	0.000	95	1387468	10.0	10.2	
99 n-Butylbenzene	91	18.339	18.339	0.000	98	2088979	10.0	8.73	
100 1,2-Dichlorobenzene	146	18.505	18.505	0.000	96	1266931	10.0	8.84	
102 Dodecane	57	19.754	19.754	0.000	97	1149919	10.0	9.07	
103 1,2,4-Trichlorobenzene	180	20.858	20.858	0.000	94	1001668	10.0	8.31	
104 Hexachlorobutadiene	225	21.029	21.029	0.000	99	879803	10.0	8.50	
105 Naphthalene	128	21.339	21.339	0.000	99	2028646	10.0	7.86	
106 1,2,3-Trichlorobenzene	180	21.814	21.814	0.000	95	914345	10.0	8.35	

Reagents:

ATTO15CAL4w_00675	Amount Added: 200.00	Units: mL	
ATTO15BISs_00006	Amount Added: 20.00	Units: mL	Run Reagent

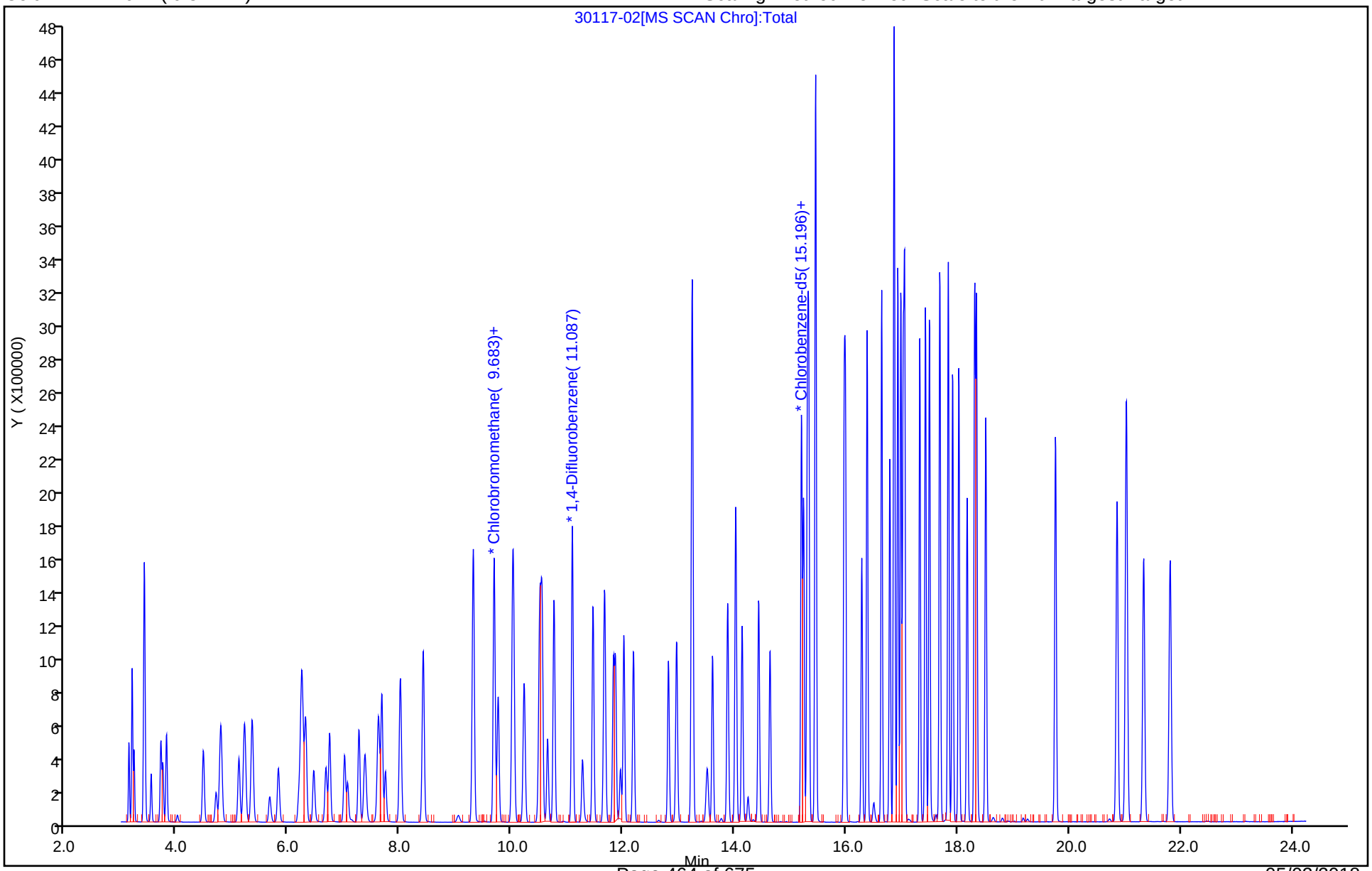
Report Date: 17-Apr-2018 14:32:39 Chrom Revision: 2.2 13-Mar-2018 08:45:20

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-02.D

Injection Date:	16-Apr-2018 10:19:30	Instrument ID:	CHB.i	Operator ID:	pad
Lims ID:	ccvis			Worklist Smp#:	2
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-43091-1

SDG No.: 200-43091-1

Lab Sample ID: CCVIS 200-128592/2 Calibration Date: 04/18/2018 10:52

Instrument ID: CHB.i Calib Start Date: 04/05/2018 18:04

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 04/06/2018 10:05

Lab File ID: 30158-02.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.4607	0.5001		10.9	10.0	8.6	30.0
Dichlorodifluoromethane	Ave	2.009	1.884		9.38	10.0	-6.2	30.0
Chlorodifluoromethane	Ave	1.063	1.014		9.54	10.0	-4.6	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.333	2.096		8.98	10.0	-10.2	30.0
Chloromethane	Ave	0.7196	0.6862		9.53	10.0	-4.6	30.0
n-Butane	Ave	1.141	1.091		9.56	10.0	-4.4	30.0
Vinyl chloride	Ave	1.056	0.8966		8.49	10.0	-15.1	30.0
1,3-Butadiene	Ave	0.7694	0.6601		8.58	10.0	-14.2	30.0
Bromomethane	Ave	1.115	1.003		9.00	10.0	-10.0	30.0
Chloroethane	Ave	0.6168	0.5710		9.25	10.0	-7.4	30.0
Isopentane	Ave	1.164	1.034		8.88	10.0	-11.2	30.0
Bromoethene(Vinyl Bromide)	Ave	1.186	1.064		8.97	10.0	-10.3	30.0
Trichlorofluoromethane	Ave	2.432	2.106		8.66	10.0	-13.4	30.0
n-Pentane	Ave	1.689	1.551		9.18	10.0	-8.2	30.0
Ethanol	Ave	0.3583	0.4017		16.8	15.0	12.1	30.0
Ethyl ether	Ave	0.7488	0.6940		9.27	10.0	-7.3	30.0
Acrolein	Ave	0.3234	0.3328		10.3	10.0	2.9	30.0
1,1,2-Trichlorotrifluoroethane	Ave	2.154	1.887		8.76	10.0	-12.4	30.0
1,1-Dichloroethene	Ave	1.170	0.9711		8.30	10.0	-17.0	30.0
Acetone	Ave	1.199	1.199		10.0	10.0	0.0	30.0
Isopropyl alcohol	Ave	1.508	1.524		10.1	10.0	1.1	30.0
Carbon disulfide	Ave	2.744	2.543		9.27	10.0	-7.3	30.0
3-Chloropropene	Ave	1.138	0.9117		8.01	10.0	-19.9	30.0
Acetonitrile	Ave	0.7260	0.8169		11.2	10.0	12.5	30.0
Methylene Chloride	Ave	1.096	0.996		9.08	10.0	-9.2	30.0
tert-Butyl alcohol	Ave	1.997	1.969		9.86	10.0	-1.4	30.0
Methyl tert-butyl ether	Ave	2.886	2.596		8.99	10.0	-10.1	30.0
trans-1,2-Dichloroethene	Ave	1.468	1.308		8.90	10.0	-10.9	30.0
Acrylonitrile	Ave	0.7935	0.7485		9.43	10.0	-5.7	30.0
n-Hexane	Ave	1.824	1.518		8.32	10.0	-16.8	30.0
1,1-Dichloroethane	Ave	2.038	1.705		8.36	10.0	-16.3	30.0
Vinyl acetate	Ave	2.154	2.188		10.2	10.0	1.6	30.0
Methyl Ethyl Ketone (2-Butanone)	Ave	0.6084	0.5752		9.45	10.0	-5.5	30.0
Ethyl acetate	Ave	0.1086	0.1032		9.50	10.0	-5.0	30.0
cis-1,2-Dichloroethene	Ave	1.341	1.120		8.35	10.0	-16.5	30.0
Tetrahydrofuran	Ave	0.2466	0.2463		9.99	10.0	-0.1	30.0
Chloroform	Ave	2.128	1.861		8.74	10.0	-12.6	30.0
1,1,1-Trichloroethane	Ave	0.4660	0.4018		8.62	10.0	-13.8	30.0
Cyclohexane	Ave	0.3650	0.3239		8.87	10.0	-11.3	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-43091-1

SDG No.: 200-43091-1

Lab Sample ID: CCVIS 200-128592/2 Calibration Date: 04/18/2018 10:52

Instrument ID: CHB.i Calib Start Date: 04/05/2018 18:04

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 04/06/2018 10:05

Lab File ID: 30158-02.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Carbon tetrachloride	Ave	0.4840	0.4067		8.40	10.0	-16.0	30.0
2,2,4-Trimethylpentane	Ave	1.218	1.090		8.94	10.0	-10.5	30.0
Benzene	Ave	0.8190	0.6995		8.54	10.0	-14.6	30.0
1,2-Dichloroethane	Ave	0.2688	0.2311		8.59	10.0	-14.0	30.0
n-Heptane	Ave	0.4429	0.3927		8.87	10.0	-11.3	30.0
n-Butanol	Ave	0.1669	0.1666		9.98	10.0	-0.2	30.0
Trichloroethene	Ave	0.3762	0.3101		8.24	10.0	-17.6	30.0
1,2-Dichloropropane	Ave	0.3189	0.2805		8.79	10.0	-12.0	30.0
Methyl methacrylate	Ave	0.2949	0.2707		9.18	10.0	-8.2	30.0
1,4-Dioxane	Ave	0.1727	0.1667		9.65	10.0	-3.5	30.0
Dibromomethane	Ave	0.3690	0.3182		8.62	10.0	-13.8	30.0
Bromodichloromethane	Ave	0.5274	0.4610		8.74	10.0	-12.6	30.0
cis-1,3-Dichloropropene	Ave	0.4458	0.3948		8.85	10.0	-11.5	30.0
4-Methyl-2-pentanone (Methyl isobutyl ketone)	Ave	0.5294	0.4918		9.29	10.0	-7.1	30.0
n-Octane	Ave	0.6029	0.5349		8.87	10.0	-11.3	30.0
Toluene	Ave	0.6835	0.5888		8.61	10.0	-13.9	30.0
trans-1,3-Dichloropropene	Ave	0.4270	0.3764		8.81	10.0	-11.8	30.0
1,1,2-Trichloroethane	Ave	0.3469	0.3046		8.78	10.0	-12.2	30.0
Tetrachloroethene	Ave	0.6037	0.4947		8.19	10.0	-18.1	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.5920	0.5470		9.24	10.0	-7.6	30.0
Dibromochloromethane	Ave	0.6179	0.5502		8.90	10.0	-11.0	30.0
1,2-Dibromoethane	Ave	0.6119	0.5407		8.84	10.0	-11.6	30.0
Chlorobenzene	Ave	0.8915	0.7756		8.70	10.0	-13.0	30.0
Ethylbenzene	Ave	1.419	1.225		8.63	10.0	-13.7	30.0
n-Nonane	Ave	0.6818	0.6116		8.97	10.0	-10.3	30.0
m,p-Xylene	Ave	0.5621	0.4974		17.7	20.0	-11.5	30.0
o-Xylene	Ave	0.5815	0.5043		8.67	10.0	-13.3	30.0
Styrene	Ave	0.8911	0.7897		8.86	10.0	-11.4	30.0
Bromoform	Ave	0.5694	0.5070		8.90	10.0	-11.0	30.0
Cumene	Ave	1.529	1.354		8.86	10.0	-11.4	30.0
1,1,2,2-Tetrachloroethane	Ave	0.8679	0.7682		8.85	10.0	-11.5	30.0
n-Propylbenzene	Ave	1.878	1.668		8.88	10.0	-11.2	30.0
1,2,3-Trichloropropane	Ave	0.6307	0.5702		9.04	10.0	-9.6	30.0
n-Decane	Ave	0.8219	0.7674		9.33	10.0	-6.6	30.0
4-Ethyltoluene	Ave	1.534	1.360		8.86	10.0	-11.4	30.0
2-Chlorotoluene	Ave	1.279	1.113		8.70	10.0	-13.0	30.0
1,3,5-Trimethylbenzene	Ave	1.270	1.120		8.82	10.0	-11.8	30.0
Alpha Methyl Styrene	Ave	0.6639	0.6014		9.06	10.0	-9.4	30.0
tert-Butylbenzene	Ave	1.213	1.073		8.84	10.0	-11.5	30.0
1,2,4-Trimethylbenzene	Ave	1.266	1.120		8.85	10.0	-11.5	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-43091-1

SDG No.: 200-43091-1

Lab Sample ID: CCVIS 200-128592/2 Calibration Date: 04/18/2018 10:52

Instrument ID: CHB.i Calib Start Date: 04/05/2018 18:04

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 04/06/2018 10:05

Lab File ID: 30158-02.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
sec-Butylbenzene	Ave	1.871	1.654		8.84	10.0	-11.6	30.0
4-Isopropyltoluene	Ave	1.553	1.352		8.70	10.0	-13.0	30.0
1,3-Dichlorobenzene	Ave	0.9490	0.8221		8.66	10.0	-13.4	30.0
1,4-Dichlorobenzene	Ave	0.9444	0.8137		8.61	10.0	-13.8	30.0
Benzyl chloride	Ave	1.119	0.9940		8.88	10.0	-11.2	30.0
n-Undecane	Ave	0.8488	0.8128		9.57	10.0	-4.2	30.0
n-Butylbenzene	Ave	1.495	1.255		8.39	10.0	-16.1	30.0
1,2-Dichlorobenzene	Ave	0.8963	0.7729		8.62	10.0	-13.8	30.0
n-Dodecane	Ave	0.7929	0.6836		8.62	10.0	-13.8	30.0
1,2,4-Trichlorobenzene	Ave	0.7538	0.6078		8.06	10.0	-19.4	30.0
Hexachlorobutadiene	Ave	0.6468	0.5356		8.28	10.0	-17.2	30.0
Naphthalene	Ave	1.613	1.215		7.53	10.0	-24.7	30.0
1,2,3-Trichlorobenzene	Ave	0.6849	0.5591		8.16	10.0	-18.4	30.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180418-30158.b\30158-02.D
Lims ID: ccvis
Client ID:
Sample Type: CCVIS
Inject. Date: 18-Apr-2018 10:52:30 ALS Bottle#: 2 Worklist Smp#: 2
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0030158-002
Operator ID: pad Instrument ID: CHB.i
Sublist: chrom-TO15_LLNJ_TO3*sub5

Method: \\ChromNA\Burlington\ChromData\CHB.i\20180418-30158.b\TO15_LLNJ_TO3.m
Limit Group: AI_TO15_ICAL
Last Update: 19-Apr-2018 11:03:44 Calib Date: 06-Apr-2018 10:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHB.i\20180405-29969.b\29969-21.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK027

First Level Reviewer: puangmaleek Date: 19-Apr-2018 11:03:44

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	3.135	3.135	0.000	99	224362	10.0	10.9	
2 Dichlorodifluoromethane	85	3.188	3.188	0.000	98	845367	10.0	9.38	
3 Chlorodifluoromethane	51	3.225	3.225	0.000	97	454867	10.0	9.54	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.407	3.407	0.000	86	940227	10.0	8.98	
5 Chloromethane	50	3.529	3.529	0.000	98	307854	10.0	9.53	
6 Butane	43	3.706	3.706	0.000	98	489350	10.0	9.56	
7 Vinyl chloride	62	3.743	3.743	0.000	97	402227	10.0	8.49	
8 Butadiene	54	3.807	3.807	0.000	92	296152	10.0	8.58	
9 BFB									
10 Bromomethane	94	4.469	4.469	0.000	100	450113	10.0	9.00	
11 Chloroethane	64	4.693	4.693	0.000	99	256154	10.0	9.25	
12 2-Methylbutane	43	4.778	4.778	0.000	92	463788	10.0	8.88	
13 Vinyl bromide	106	5.104	5.104	0.000	100	477542	10.0	8.97	
14 Trichlorofluoromethane	101	5.205	5.205	0.000	98	944853	10.0	8.66	
15 Pentane	43	5.344	5.344	0.000	96	695742	10.0	9.18	
16 Ethanol	45	5.659	5.659	0.000	99	270454	15.0	16.8	
17 Ethyl ether	59	5.814	5.814	0.000	94	311363	10.0	9.27	
18 Acrolein	56	6.177	6.177	0.000	95	149288	10.0	10.3	
19 1,1,2-Trichloro-1,2,2-trif	101	6.235	6.235	0.000	98	846685	10.0	8.76	
20 1,1-Dichloroethene	96	6.299	6.299	0.000	95	435668	10.0	8.30	
21 Acetone	43	6.449	6.449	0.000	94	537903	10.0	10.0	
22 Isopropyl alcohol	45	6.668	6.668	0.000	100	683779	10.0	10.1	
23 Carbon disulfide	76	6.732	6.732	0.000	98	1140755	10.0	9.27	
24 3-Chloro-1-propene	41	6.998	6.998	0.000	91	409021	10.0	8.01	
26 Acetonitrile	41	7.052	7.052	0.000	99	366480	10.0	11.2	
27 Methylene Chloride	49	7.260	7.260	0.000	88	446666	10.0	9.08	
28 2-Methyl-2-propanol	59	7.367	7.367	0.000	93	883436	10.0	9.86	
29 Methyl tert-butyl ether	73	7.607	7.607	0.000	98	1164440	10.0	8.99	
30 trans-1,2-Dichloroethene	61	7.666	7.666	0.000	95	586661	10.0	8.90	
31 Acrylonitrile	53	7.735	7.735	0.000	95	335813	10.0	9.43	
32 Hexane	57	8.002	8.002	0.000	90	680918	10.0	8.32	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
33 1,1-Dichloroethane	63	8.407	8.407	0.000	99	765035	10.0	8.36	
34 Vinyl acetate	43	8.413	8.413	0.000	100	981687	10.0	10.2	
36 2-Butanone (MEK)	72	9.299	9.299	0.000	99	258040	10.0	9.45	
35 Ethyl acetate	88	9.309	9.309	0.000	93	46292	10.0	9.50	
37 cis-1,2-Dichloroethene	96	9.315	9.315	0.000	93	502298	10.0	8.35	
* 39 Chlorobromomethane	128	9.678	9.678	0.000	88	448711	10.0	10.0	
38 Tetrahydrofuran	42	9.694	9.694	0.000	91	490951	10.0	9.99	
40 Chloroform	83	9.752	9.752	0.000	96	834666	10.0	8.74	
S 41 1,2-Dichloroethene, Total	61				0		20.0	17.2	
42 1,1,1-Trichloroethane	97	10.014	10.014	0.000	96	800836	10.0	8.62	
43 Cyclohexane	84	10.030	10.030	0.000	97	645689	10.0	8.87	
44 Carbon tetrachloride	117	10.222	10.222	0.000	98	810714	10.0	8.40	
45 Isooctane	57	10.505	10.505	0.000	99	2172739	10.0	8.94	
46 Benzene	78	10.542	10.542	0.000	96	1394284	10.0	8.54	
47 1,2-Dichloroethane	62	10.644	10.644	0.000	94	460563	10.0	8.59	
48 n-Heptane	43	10.756	10.756	0.000	88	782733	10.0	8.87	
A 49 GRO	1	11.135	(4.768-16.935)		0	178255921	10.0	0	
* 50 1,4-Difluorobenzene	114	11.087	11.087	0.000	94	1993597	10.0	10.0	
51 n-Butanol	56	11.268	11.268	0.000	85	332138	10.0	9.98	
53 Trichloroethene	95	11.455	11.455	0.000	98	618183	10.0	8.24	
54 1,2-Dichloropropane	63	11.823	11.823	0.000	93	559109	10.0	8.79	
55 Methyl methacrylate	69	11.860	11.860	0.000	97	539570	10.0	9.18	
56 1,4-Dioxane	88	11.951	11.951	0.000	92	332235	10.0	9.65	
57 Dibromomethane	174	12.010	12.010	0.000	95	634239	10.0	8.62	
58 Dichlorobromomethane	83	12.181	12.181	0.000	99	918868	10.0	8.74	
A 59 TVOC as Toluene	1	12.760	(3.125-21.824)		0	296180940	10.0	0	
60 cis-1,3-Dichloropropene	75	12.810	12.810	0.000	88	786815	10.0	8.85	
61 4-Methyl-2-pentanone (MIBK	43	12.954	12.954	0.000	93	980241	10.0	9.29	
63 n-Octane	43	13.232	13.232	0.000	87	1066204	10.0	8.87	
64 Toluene	92	13.243	13.243	0.000	94	1041022	10.0	8.61	
66 trans-1,3-Dichloropropene	75	13.600	13.600	0.000	94	750238	10.0	8.81	
67 1,1,2-Trichloroethane	83	13.872	13.872	0.000	95	538591	10.0	8.78	
68 Tetrachloroethene	166	14.017	14.017	0.000	99	874611	10.0	8.19	
69 2-Hexanone	43	14.134	14.134	0.000	98	967219	10.0	9.24	
70 Chlorodibromomethane	129	14.427	14.427	0.000	97	972877	10.0	8.90	
71 Ethylene Dibromide	107	14.630	14.630	0.000	99	956032	10.0	8.84	
* 72 Chlorobenzene-d5	117	15.196	15.196	0.000	83	1768429	10.0	10.0	
73 Chlorobenzene	112	15.233	15.233	0.000	96	1371307	10.0	8.70	
74 Ethylbenzene	91	15.303	15.303	0.000	97	2166520	10.0	8.63	
75 n-Nonane	57	15.329	15.329	0.000	89	1081366	10.0	8.97	
76 m-Xylene & p-Xylene	106	15.452	15.452	0.000	0	1759045	20.0	17.7	
78 o-Xylene	106	15.964	15.964	0.000	98	891587	10.0	8.67	
79 Styrene	104	15.986	15.986	0.000	98	1396278	10.0	8.86	
S 77 Xylenes, Total	106				0		30.0	26.4	
80 Bromoform	173	16.279	16.279	0.000	98	896425	10.0	8.90	
81 Isopropylbenzene	105	16.375	16.375	0.000	95	2394425	10.0	8.86	
83 1,1,2,2-Tetrachloroethane	83	16.781	16.781	0.000	97	1358213	10.0	8.85	
84 N-Propylbenzene	91	16.856	16.856	0.000	99	2949263	10.0	8.88	
85 1,2,3-Trichloropropane	75	16.866	16.866	0.000	95	1008100	10.0	9.04	
86 n-Decane	57	16.925	16.925	0.000	91	1356757	10.0	9.33	
87 4-Ethyltoluene	105	16.978	16.978	0.000	98	2404273	10.0	8.86	
88 2-Chlorotoluene	91	17.021	17.021	0.000	96	1968195	10.0	8.70	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 1,3,5-Trimethylbenzene	105	17.048	17.048	0.000	94	1980702	10.0	8.82	
90 Alpha Methyl Styrene	118	17.320	17.320	0.000	89	1063272	10.0	9.06	
91 tert-Butylbenzene	119	17.421	17.421	0.000	95	1897377	10.0	8.84	
92 1,2,4-Trimethylbenzene	105	17.491	17.491	0.000	97	1979970	10.0	8.85	
93 sec-Butylbenzene	105	17.678	17.678	0.000	98	2924067	10.0	8.84	
94 4-Isopropyltoluene	119	17.832	17.832	0.000	97	2389904	10.0	8.70	
95 1,3-Dichlorobenzene	146	17.912	17.912	0.000	96	1453457	10.0	8.66	
96 1,4-Dichlorobenzene	146	18.019	18.019	0.000	95	1438630	10.0	8.61	
97 Benzyl chloride	91	18.169	18.169	0.000	100	1757381	10.0	8.88	
98 Undecane	57	18.302	18.302	0.000	94	1437071	10.0	9.57	
99 n-Butylbenzene	91	18.339	18.339	0.000	98	2219171	10.0	8.39	
100 1,2-Dichlorobenzene	146	18.505	18.505	0.000	96	1366530	10.0	8.62	
102 Dodecane	57	19.754	19.754	0.000	97	1208592	10.0	8.62	
103 1,2,4-Trichlorobenzene	180	20.858	20.858	0.000	94	1074579	10.0	8.06	
104 Hexachlorobutadiene	225	21.029	21.029	0.000	98	947032	10.0	8.28	
105 Naphthalene	128	21.339	21.339	0.000	99	2147365	10.0	7.53	
106 1,2,3-Trichlorobenzene	180	21.814	21.814	0.000	95	988440	10.0	8.16	

Reagents:

ATTO15CAL4w_00675	Amount Added: 200.00	Units: mL	
ATTO15BISs_00006	Amount Added: 20.00	Units: mL	Run Reagent

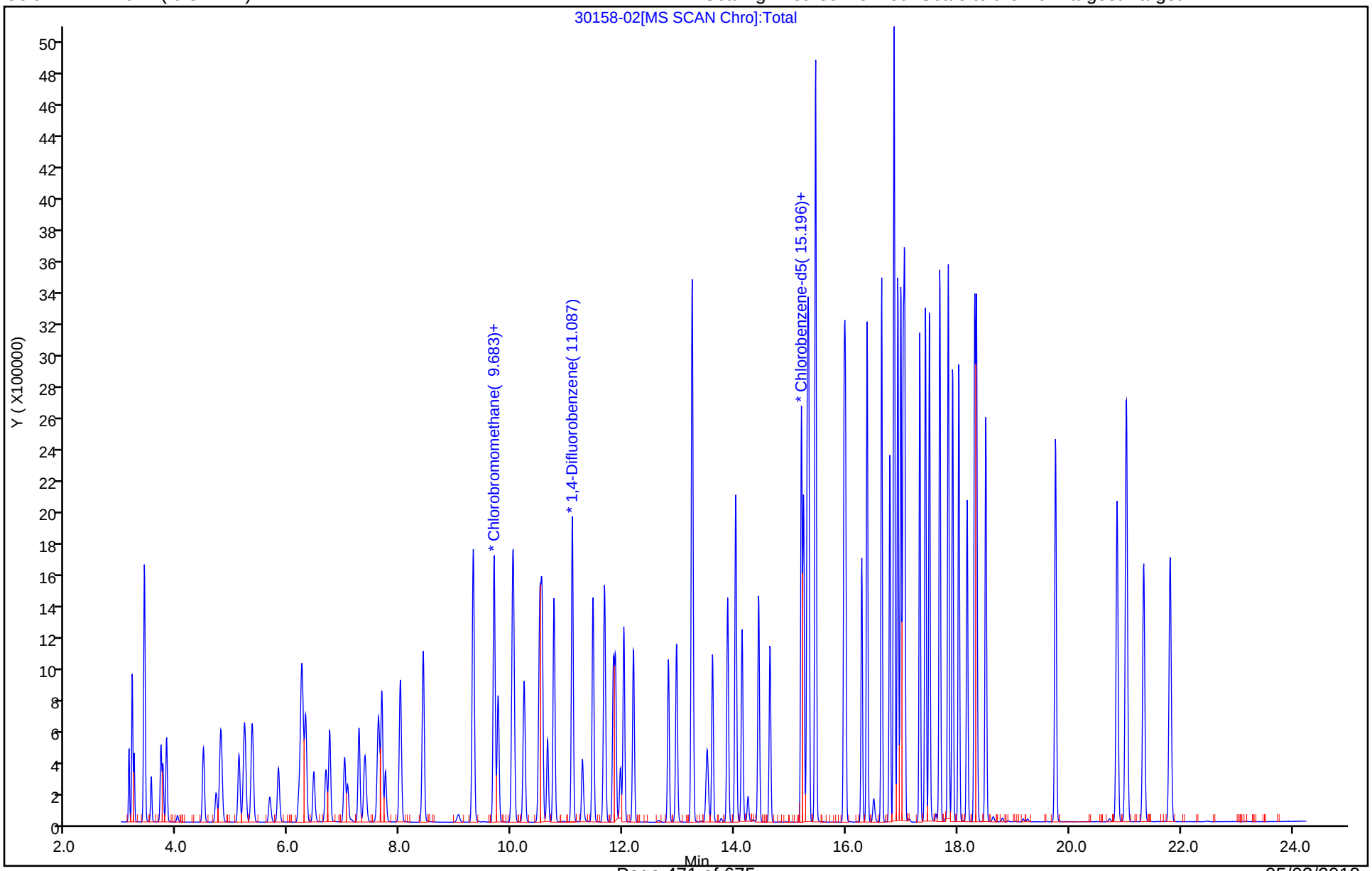
Report Date: 19-Apr-2018 11:03:46 Chrom Revision: 2.2 13-Mar-2018 08:45:20

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180418-30158.b\30158-02.D

Injection Date:	18-Apr-2018 10:52:30	Instrument ID:	CHB.i	Operator ID:	pad
Lims ID:	ccvis			Worklist Smp#:	2
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-43091-1

SDG No.: 200-43091-1

Lab Sample ID: ICV 200-128414/16 Calibration Date: 04/13/2018 03:34

Instrument ID: CHX.i Calib Start Date: 04/12/2018 17:29

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 04/12/2018 23:23

Lab File ID: 30075_16.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.5395	0.4997		9.26	10.0	-7.4	30.0
Dichlorodifluoromethane	Ave	2.191	1.962		8.96	10.0	-10.4	30.0
Chlorodifluoromethane	Ave	1.191	1.146		9.62	10.0	-3.8	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.157	2.363		11.0	10.0	9.6	30.0
Chloromethane	Ave	0.6734	0.6218		9.23	10.0	-7.7	30.0
n-Butane	Ave	1.168	1.116		9.55	10.0	-4.5	30.0
Vinyl chloride	Ave	0.8058	0.7602		9.43	10.0	-5.7	30.0
1,3-Butadiene	Ave	0.6167	0.5745		9.31	10.0	-6.9	30.0
Bromomethane	Ave	0.8266	0.8130		9.83	10.0	-1.6	30.0
Chloroethane	Ave	0.3847	0.3829		9.95	10.0	-0.5	30.0
Isopentane	Ave	0.8418	0.8574		10.2	10.0	1.9	30.0
Bromoethene(Vinyl Bromide)	Ave	0.8755	0.8720		9.96	10.0	-0.4	30.0
Trichlorofluoromethane	Ave	2.384	2.318		9.72	10.0	-2.8	30.0
n-Pentane	Ave	1.267	1.363		10.8	10.0	7.6	30.0
Ethanol	Ave	0.2635	0.3184		18.1	15.0	20.8	30.0
Ethyl ether	Ave	0.4927	0.5518		11.2	10.0	12.0	30.0
Acrolein	Ave	0.1933	0.2487		12.9	10.0	28.7	30.0
1,1,2-Trichlorotrifluoroethane	Ave	1.656	1.658		10.0	10.0	0.1	30.0
1,1-Dichloroethene	Ave	0.8115	0.7831		9.65	10.0	-3.5	30.0
Acetone	Ave	1.239	1.156		9.33	10.0	-6.7	30.0
Carbon disulfide	Ave	2.067	2.363		11.4	10.0	14.3	30.0
Isopropyl alcohol	Ave	1.258	1.168		9.28	10.0	-7.2	30.0
3-Chloropropene	Ave	0.8232	0.8032		9.75	10.0	-2.4	30.0
Acetonitrile	Ave	0.5419	0.5704		10.5	10.0	5.3	30.0
Methylene Chloride	Ave	0.8274	0.7885		9.53	10.0	-4.7	30.0
tert-Butyl alcohol	Ave	1.697	1.635		9.63	10.0	-3.7	30.0
Methyl tert-butyl ether	Ave	2.345	2.335		9.95	10.0	-0.5	30.0
trans-1,2-Dichloroethene	Ave	1.131	1.179		10.4	10.0	4.2	30.0
Acrylonitrile	Ave	0.5235	0.5431		10.4	10.0	3.7	30.0
n-Hexane	Ave	1.137	1.195		10.5	10.0	5.2	30.0
1,1-Dichloroethane	Ave	1.471	1.451		9.87	10.0	-1.3	30.0
Vinyl acetate	Ave	1.940	2.051		10.6	10.0	5.7	30.0
cis-1,2-Dichloroethene	Ave	0.9463	0.9520		10.1	10.0	0.6	30.0
Methyl Ethyl Ketone (2-Butanone)	Ave	0.4490	0.4281		9.53	10.0	-4.7	30.0
Ethyl acetate	Ave	0.0671	0.0717		10.7	10.0	6.9	30.0
Tetrahydrofuran	Ave	0.1851	0.1867		10.1	10.0	0.8	30.0
Chloroform	Ave	1.982	1.946		9.82	10.0	-1.8	30.0
Cyclohexane	Ave	0.2443	0.2442		9.99	10.0	-0.0	30.0
1,1,1-Trichloroethane	Ave	0.4089	0.4019		9.83	10.0	-1.7	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-43091-1

SDG No.: 200-43091-1

Lab Sample ID: ICV 200-128414/16 Calibration Date: 04/13/2018 03:34

Instrument ID: CHX.i Calib Start Date: 04/12/2018 17:29

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 04/12/2018 23:23

Lab File ID: 30075_16.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Carbon tetrachloride	Ave	0.4297	0.4236		9.86	10.0	-1.4	30.0
2,2,4-Trimethylpentane	Ave	0.9059	0.8876		9.80	10.0	-2.0	30.0
Benzene	Ave	0.5871	0.5847		9.96	10.0	-0.4	30.0
1,2-Dichloroethane	Ave	0.2599	0.2489		9.58	10.0	-4.2	30.0
n-Heptane	Ave	0.3435	0.3350		9.75	10.0	-2.5	30.0
n-Butanol	Ave	0.1254	0.1321		10.5	10.0	5.3	30.0
Trichloroethene	Ave	0.2888	0.2745		9.51	10.0	-4.9	30.0
1,2-Dichloropropane	Ave	0.2277	0.2227		9.78	10.0	-2.2	30.0
Methyl methacrylate	Ave	0.2268	0.2275		10.0	10.0	0.3	30.0
1,4-Dioxane	Ave	0.1344	0.1316		9.78	10.0	-2.1	30.0
Dibromomethane	Ave	0.3283	0.3129		9.53	10.0	-4.7	30.0
Bromodichloromethane	Ave	0.4578	0.4462		9.75	10.0	-2.5	30.0
cis-1,3-Dichloropropene	Ave	0.3552	0.3522		9.91	10.0	-0.8	30.0
4-Methyl-2-pentanone (Methyl isobutyl ketone)	Ave	0.4851	0.4536		9.35	10.0	-6.5	30.0
Toluene	Ave	0.5124	0.5139		10.0	10.0	0.3	30.0
n-Octane	Ave	0.5091	0.5017		9.85	10.0	-1.5	30.0
trans-1,3-Dichloropropene	Ave	0.3971	0.3566		8.98	10.0	-10.2	30.0
1,1,2-Trichloroethane	Ave	0.2491	0.2530		10.2	10.0	1.6	30.0
Tetrachloroethene	Ave	0.5250	0.5051		9.62	10.0	-3.8	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.5098	0.4779		9.37	10.0	-6.2	30.0
Dibromochloromethane	Ave	0.5460	0.5164		9.46	10.0	-5.4	30.0
1,2-Dibromoethane	Ave	0.4808	0.4804		9.99	10.0	-0.1	30.0
Chlorobenzene	Ave	0.7408	0.7307		9.86	10.0	-1.4	30.0
Ethylbenzene	Ave	1.151	1.140		9.90	10.0	-0.9	30.0
n-Nonane	Ave	0.5145	0.5130		9.97	10.0	-0.3	30.0
m,p-Xylene	Ave	0.4718	0.4648		19.7	20.0	-1.5	30.0
o-Xylene	Ave	0.4701	0.4542		9.66	10.0	-3.4	30.0
Styrene	Ave	0.7230	0.7060		9.76	10.0	-2.4	30.0
Bromoform	Ave	0.5243	0.4796		9.15	10.0	-8.5	30.0
Cumene	Ave	1.354	1.306		9.65	10.0	-3.5	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6591	0.6626		10.1	10.0	0.5	30.0
n-Propylbenzene	Ave	1.603	1.557		9.71	10.0	-2.9	30.0
1,2,3-Trichloropropane	Ave	0.5138	0.4940		9.61	10.0	-3.9	30.0
n-Decane	Ave	0.6387	0.6543		10.2	10.0	2.4	30.0
4-Ethyltoluene	Ave	1.356	1.359		10.0	10.0	0.2	30.0
2-Chlorotoluene	Ave	1.108	1.071		9.67	10.0	-3.3	30.0
1,3,5-Trimethylbenzene	Ave	1.122	1.095		9.76	10.0	-2.4	30.0
Alpha Methyl Styrene	Ave	0.5783	0.5714		9.88	10.0	-1.2	30.0
tert-Butylbenzene	Ave	1.098	1.068		9.72	10.0	-2.7	30.0
1,2,4-Trimethylbenzene	Ave	1.116	1.091		9.77	10.0	-2.3	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-43091-1

SDG No.: 200-43091-1

Lab Sample ID: ICV 200-128414/16 Calibration Date: 04/13/2018 03:34

Instrument ID: CHX.i Calib Start Date: 04/12/2018 17:29

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 04/12/2018 23:23

Lab File ID: 30075_16.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
sec-Butylbenzene	Ave	1.615	1.590		9.84	10.0	-1.6	30.0
4-Isopropyltoluene	Ave	1.394	1.369		9.82	10.0	-1.8	30.0
1,3-Dichlorobenzene	Ave	0.8625	0.8134		9.43	10.0	-5.7	30.0
1,4-Dichlorobenzene	Ave	0.8758	0.8076		9.22	10.0	-7.8	30.0
Benzyl chloride	Ave	0.9102	0.8189		8.99	10.0	-10.0	30.0
n-Butylbenzene	Ave	1.232	1.183		9.60	10.0	-4.0	30.0
n-Undecane	Ave	0.6235	0.5811		9.32	10.0	-6.8	30.0
1,2-Dichlorobenzene	Ave	0.8084	0.7689		9.51	10.0	-4.9	30.0
n-Dodecane	Ave	0.4231	0.4494		10.6	10.0	6.2	30.0
1,2,4-Trichlorobenzene	Ave	0.6137	0.4914		8.01	10.0	-19.9	30.0
Hexachlorobutadiene	Ave	0.6281	0.5592		8.90	10.0	-11.0	30.0
Naphthalene	Ave	1.256	0.8949		7.12	10.0	-28.8	30.0
1,2,3-Trichlorobenzene	Ave	0.5369	0.4575		8.52	10.0	-14.8	30.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180412-30075.b\30075_16.D
Lims ID: icv
Client ID:
Sample Type: ICV
Inject. Date: 13-Apr-2018 03:34:30 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0030075-016
Operator ID: pad Instrument ID: CHX.i
Sublist:

Method: \\ChromNA\Burlington\ChromData\CHX.i\20180412-30075.b\TO15_MasterMethod_X.m.m
Limit Group: AI_TO15_ICAL
Last Update: 13-Apr-2018 09:12:58 Calib Date: 12-Apr-2018 23:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHX.i\20180412-30075.b\30075_11.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK030

First Level Reviewer: daiglep Date: 13-Apr-2018 09:07:01

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	3.044	3.044	0.000	98	130536	10.0	9.26	
2 Dichlorodifluoromethane	85	3.108	3.108	0.000	99	512700	10.0	8.96	
3 Chlorodifluoromethane	51	3.156	3.156	0.000	97	299445	10.0	9.62	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.354	3.354	0.000	92	617452	10.0	11.0	
5 Chloromethane	50	3.488	3.488	0.000	99	162449	10.0	9.23	
6 Butane	43	3.670	3.664	0.006	99	291634	10.0	9.55	
7 Vinyl chloride	62	3.713	3.713	0.000	98	198614	10.0	9.43	
8 Butadiene	54	3.782	3.782	0.000	96	150085	10.0	9.31	
10 Bromomethane	94	4.419	4.413	0.006	98	212407	10.0	9.83	
11 Chloroethane	64	4.633	4.633	0.000	99	100023	10.0	9.95	
12 2-Methylbutane	43	4.697	4.697	0.000	91	224002	10.0	10.2	
13 Vinyl bromide	106	5.002	4.996	0.006	99	227819	10.0	9.96	
14 Trichlorofluoromethane	101	5.087	5.093	-0.006	98	605671	10.0	9.72	
16 Pentane	43	5.216	5.221	-0.005	99	356185	10.0	10.8	
17 Ethanol	45	5.644	5.638	0.006	97	124820	15.0	18.1	
18 Ethyl ether	59	5.719	5.713	0.006	95	144161	10.0	11.2	
9 BFB									
19 Acrolein	56	6.099	6.104	-0.005	43	64969	10.0	12.9	
20 1,1,2-Trichloro-1,2,2-trif	101	6.109	6.109	0.000	95	433022	10.0	10.0	
21 1,1-Dichloroethene	96	6.157	6.163	-0.006	97	204584	10.0	9.65	
22 Acetone	43	6.404	6.403	0.001	98	301928	10.0	9.33	
23 Carbon disulfide	76	6.548	6.548	0.000	99	617401	10.0	11.4	
24 Isopropyl alcohol	45	6.687	6.687	0.000	100	305138	10.0	9.28	
25 3-Chloro-1-propene	41	6.933	6.933	0.000	98	209834	10.0	9.75	
26 Acetonitrile	41	7.088	7.083	0.005	100	149010	10.0	10.5	
27 Methylene Chloride	49	7.227	7.227	0.000	91	205995	10.0	9.53	
28 2-Methyl-2-propanol	59	7.457	7.452	0.005	93	427105	10.0	9.63	
29 Methyl tert-butyl ether	73	7.623	7.623	0.000	96	609930	10.0	9.95	
31 trans-1,2-Dichloroethene	61	7.661	7.661	0.000	97	307887	10.0	10.4	
32 Acrylonitrile	53	7.832	7.826	0.006	92	141883	10.0	10.4	
33 Hexane	57	8.035	8.035	0.000	93	312276	10.0	10.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
34 1,1-Dichloroethane	63	8.543	8.538	0.005	99	379070	10.0	9.87	
35 Vinyl acetate	43	8.624	8.618	0.006	100	535940	10.0	10.6	
S 30 1,2-Dichloroethene, Total	61				0		20.0	20.5	
37 cis-1,2-Dichloroethene	96	9.683	9.677	0.006	94	248712	10.0	10.1	
38 2-Butanone (MEK)	72	9.742	9.742	0.000	100	111837	10.0	9.53	
39 Ethyl acetate	88	9.779	9.774	0.005	98	18734	10.0	10.7	
* 40 Chlorobromomethane	128	10.164	10.164	0.000	85	261301	10.0	10.0	
41 Tetrahydrofuran	42	10.170	10.170	0.000	98	253049	10.0	10.1	
42 Chloroform	83	10.298	10.298	0.000	96	508452	10.0	9.82	
43 Cyclohexane	84	10.539	10.533	0.006	97	331046	10.0	10.0	
44 1,1,1-Trichloroethane	97	10.576	10.582	-0.006	94	544911	10.0	9.83	
45 Carbon tetrachloride	117	10.833	10.838	-0.005	97	574279	10.0	9.86	
46 Isooctane	57	11.282	11.288	-0.006	99	1203380	10.0	9.80	
47 Benzene	78	11.336	11.336	0.000	95	792634	10.0	9.96	
48 1,2-Dichloroethane	62	11.539	11.539	0.000	98	337430	10.0	9.58	
49 n-Heptane	43	11.700	11.700	0.000	94	454157	10.0	9.75	
* 50 1,4-Difluorobenzene	114	12.235	12.235	0.000	93	1356008	10.0	10.0	
52 n-Butanol	56	12.689	12.689	0.000	86	179131	10.0	10.5	
53 Trichloroethene	95	12.732	12.727	0.005	97	372200	10.0	9.51	
A 51 GRO	1	13.198	(4.687-21.708)		0	101063605	10.0	0	
54 1,2-Dichloropropane	63	13.326	13.326	0.000	92	301929	10.0	9.78	
55 Methyl methacrylate	69	13.513	13.513	0.000	98	308415	10.0	10.0	
56 1,4-Dioxane	88	13.577	13.572	0.005	89	178367	10.0	9.78	
57 Dibromomethane	174	13.604	13.599	0.005	93	424166	10.0	9.53	
58 Dichlorobromomethane	83	13.909	13.914	-0.005	98	604926	10.0	9.75	
60 cis-1,3-Dichloropropene	75	14.893	14.893	0.000	91	477473	10.0	9.91	
A 59 TVOC as Toluene	92	15.102	(3.034-27.170)		0	176059086	10.0	0	
61 4-Methyl-2-pentanone (MIBK	43	15.204	15.204	0.000	97	614940	10.0	9.35	
65 Toluene	92	15.498	15.503	-0.005	93	636583	10.0	10.0	
64 n-Octane	43	15.557	15.557	0.000	93	680104	10.0	9.85	
66 trans-1,3-Dichloropropene	75	16.151	16.145	0.006	96	483481	10.0	8.98	
67 1,1,2-Trichloroethane	83	16.541	16.541	0.000	95	313356	10.0	10.2	
68 Tetrachloroethene	166	16.627	16.632	-0.005	96	625588	10.0	9.62	
69 2-Hexanone	43	17.023	17.017	0.006	94	591974	10.0	9.37	
71 Chlorodibromomethane	129	17.338	17.338	0.000	98	639634	10.0	9.46	
72 Ethylene Dibromide	107	17.616	17.616	0.000	99	595023	10.0	9.99	
* 74 Chlorobenzene-d5	117	18.569	18.563	0.006	84	1238907	10.0	10.0	
75 Chlorobenzene	112	18.628	18.628	0.000	97	905138	10.0	9.86	
76 Ethylbenzene	91	18.788	18.793	-0.005	97	1412540	10.0	9.90	
77 n-Nonane	57	18.927	18.927	0.000	90	635383	10.0	9.97	
78 m-Xylene & p-Xylene	106	19.061	19.061	0.000	0	1151410	20.0	19.7	
S 73 Xylenes, Total	106				0		30.0	29.4	
79 o-Xylene	106	19.949	19.954	-0.005	99	562590	10.0	9.66	
80 Styrene	104	20.013	20.013	0.000	96	874512	10.0	9.76	
81 Bromoform	173	20.484	20.484	0.000	99	594066	10.0	9.15	
82 Isopropylbenzene	105	20.714	20.714	0.000	95	1617977	10.0	9.65	
84 1,1,2,2-Tetrachloroethane	83	21.442	21.441	0.001	98	820680	10.0	10.1	
85 N-Propylbenzene	91	21.500	21.500	0.000	100	1928126	10.0	9.71	
86 1,2,3-Trichloropropane	75	21.543	21.543	0.000	96	611855	10.0	9.61	
87 n-Decane	57	21.698	21.698	0.000	91	810425	10.0	10.2	
88 4-Ethyltoluene	105	21.709	21.709	0.000	98	1683196	10.0	10.0	
89 2-Chlorotoluene	91	21.714	21.714	0.000	95	1327053	10.0	9.67	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
90 1,3,5-Trimethylbenzene	105	21.827	21.821	0.006	94	1356771	10.0	9.76	
91 Alpha Methyl Styrene	118	22.217	22.217	0.000	92	707793	10.0	9.88	
92 tert-Butylbenzene	119	22.346	22.346	0.000	95	1322312	10.0	9.72	
93 1,2,4-Trimethylbenzene	105	22.447	22.447	0.000	97	1350951	10.0	9.77	
94 sec-Butylbenzene	105	22.688	22.688	0.000	99	1969832	10.0	9.84	
95 4-Isopropyltoluene	119	22.902	22.902	0.000	97	1696141	10.0	9.82	
96 1,3-Dichlorobenzene	146	22.929	22.929	0.000	96	1007574	10.0	9.43	
97 1,4-Dichlorobenzene	146	23.073	23.073	0.000	97	1000340	10.0	9.22	
98 Benzyl chloride	91	23.282	23.282	0.000	99	1014296	10.0	8.99	
100 n-Butylbenzene	91	23.496	23.496	0.000	98	1465638	10.0	9.60	
99 Undecane	57	23.528	23.528	0.000	95	719769	10.0	9.32	
101 1,2-Dichlorobenzene	146	23.624	23.624	0.000	98	952439	10.0	9.51	
102 Dodecane	57	25.149	25.149	0.000	97	556705	10.0	10.6	
103 1,2,4-Trichlorobenzene	180	26.187	26.187	0.000	93	608659	10.0	8.01	
104 Hexachlorobutadiene	225	26.374	26.374	0.000	96	692647	10.0	8.90	
105 Naphthalene	128	26.679	26.684	-0.005	99	1108434	10.0	7.12	M
106 1,2,3-Trichlorobenzene	180	27.166	27.160	0.006	96	566714	10.0	8.52	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

Reagents:

ATTO15LCSW_00763	Amount Added: 200.00	Units: mL	
ATTO15XISs_00002	Amount Added: 20.00	Units: mL	Run Reagent

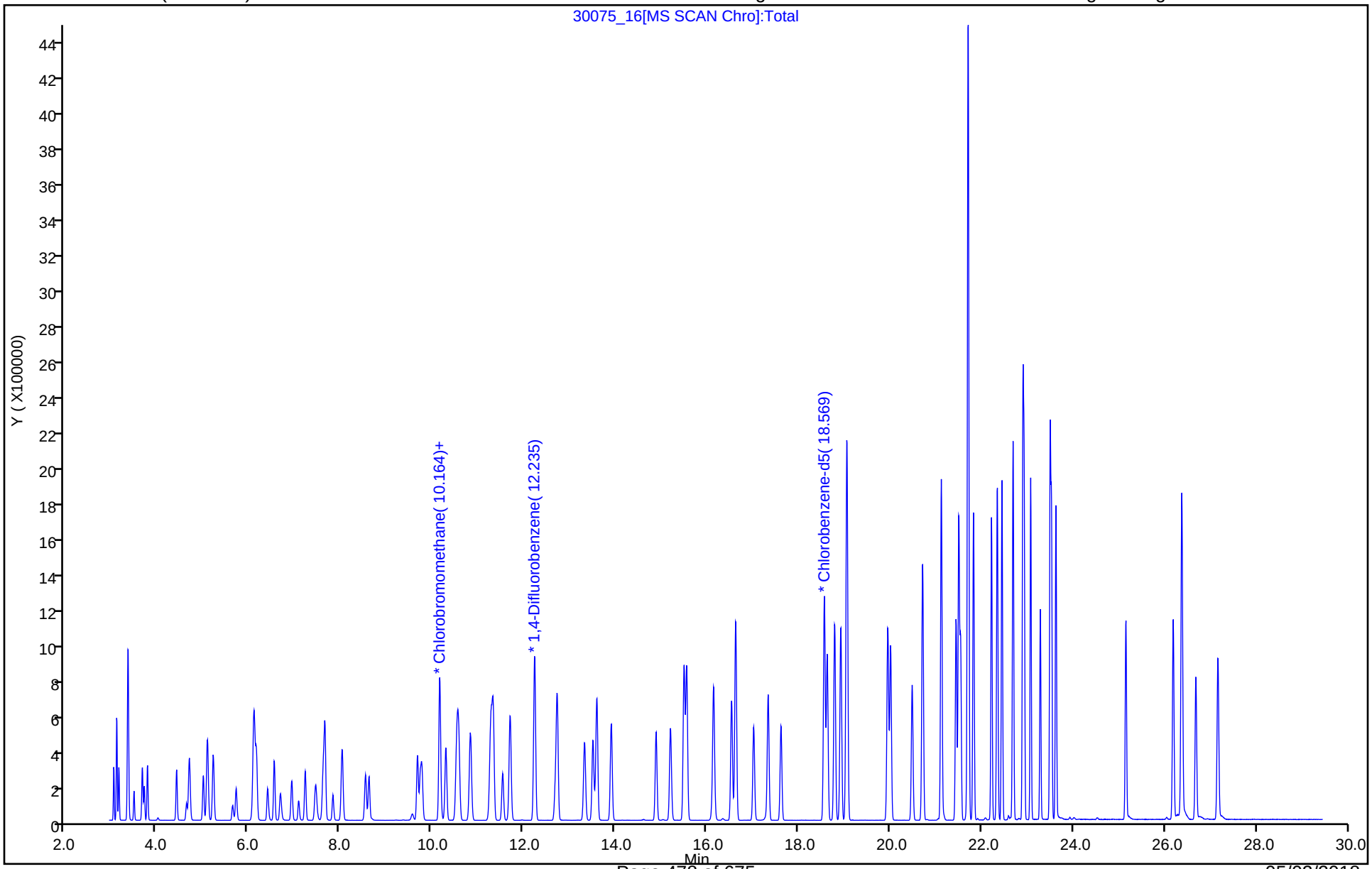
Report Date: 13-Apr-2018 09:13:09 Chrom Revision: 2.2 13-Mar-2018 08:45:20

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180412-30075.b\30075_16.D

Injection Date:	13-Apr-2018 03:34:30	Instrument ID:	CHX.i	Operator ID:	pad
Lims ID:	icv			Worklist Smp#:	16
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

TestAmerica Burlington

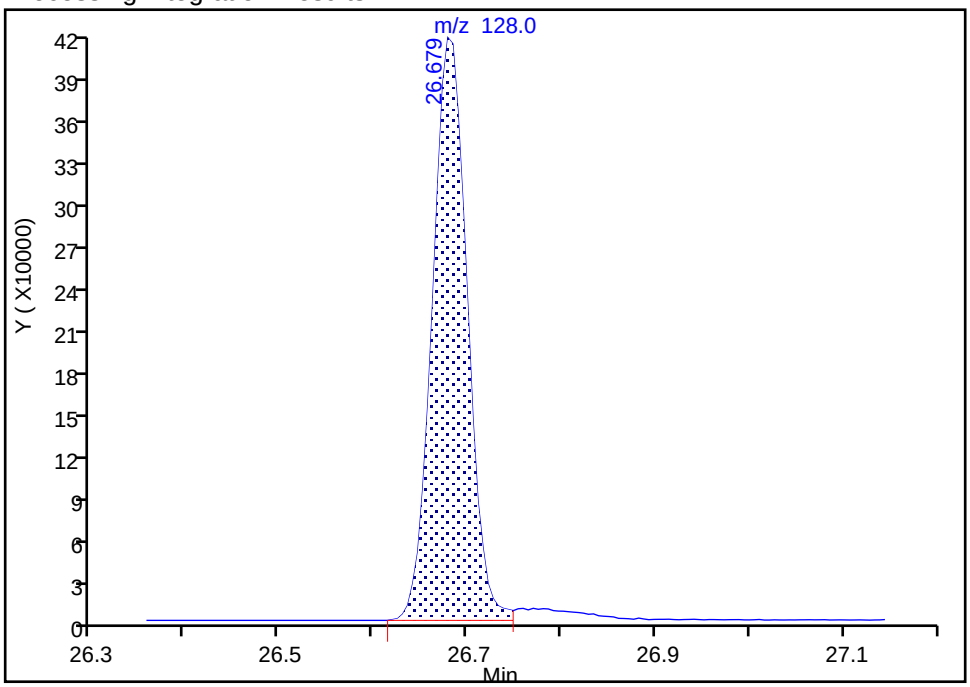
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20180412-30075.b\30075_16.D				
Injection Date:	13-Apr-2018 03:34:30	Instrument ID:	CHX.i		
Lims ID:	icv				
Client ID:					
Operator ID:	pad	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

105 Naphthalene, CAS: 91-20-3

Signal: 1

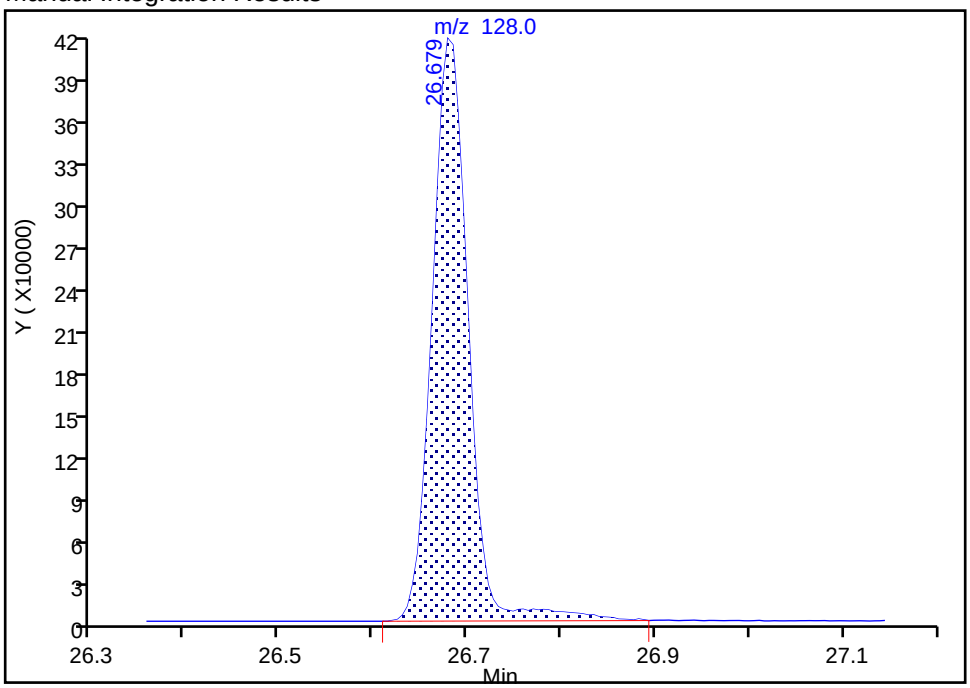
Processing Integration Results

RT: 26.68
Area: 1071307
Amount: 6.883945
Amount Units: ppb v/v



Manual Integration Results

RT: 26.68
Area: 1108434
Amount: 7.122514
Amount Units: ppb v/v



Reviewer: daiglep, 13-Apr-2018 09:06:18

Audit Action: Manually Integrated Audit Reason: Peak Tail

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-43091-1

SDG No.: 200-43091-1

Lab Sample ID: CCVIS 200-128526/2 Calibration Date: 04/17/2018 09:58

Instrument ID: CHX.i Calib Start Date: 04/12/2018 17:29

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 04/12/2018 23:23

Lab File ID: 30131_02.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.5395	0.6397		11.9	10.0	18.6	30.0
Dichlorodifluoromethane	Ave	2.191	2.424		11.1	10.0	10.6	30.0
Chlorodifluoromethane	Ave	1.191	1.353		11.4	10.0	13.6	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.157	2.350		10.9	10.0	9.0	30.0
Chloromethane	Ave	0.6734	0.7633		11.3	10.0	13.3	30.0
n-Butane	Ave	1.168	1.362		11.7	10.0	16.5	30.0
Vinyl chloride	Ave	0.8058	0.9050		11.2	10.0	12.3	30.0
1,3-Butadiene	Ave	0.6167	0.6778		11.0	10.0	9.9	30.0
Bromomethane	Ave	0.8266	0.9118		11.0	10.0	10.3	30.0
Chloroethane	Ave	0.3847	0.4330		11.3	10.0	12.6	30.0
Isopentane	Ave	0.8418	0.9586		11.4	10.0	13.9	30.0
Bromoethene(Vinyl Bromide)	Ave	0.8755	0.9002		10.3	10.0	2.8	30.0
Trichlorofluoromethane	Ave	2.384	2.450		10.3	10.0	2.8	30.0
n-Pentane	Ave	1.267	1.466		11.6	10.0	15.7	30.0
Ethanol	Ave	0.2635	0.3411		19.4	15.0	29.5	30.0
Ethyl ether	Ave	0.4927	0.5565		11.3	10.0	12.9	30.0
Acrolein	Ave	0.1933	0.2722		14.1	10.0	40.9*	30.0
1,1,2-Trichlorotrifluoroethane	Ave	1.656	1.756		10.6	10.0	6.0	30.0
1,1-Dichloroethene	Ave	0.8115	0.8208		10.1	10.0	1.1	30.0
Acetone	Ave	1.239	1.405		11.3	10.0	13.4	30.0
Carbon disulfide	Ave	2.067	2.272		11.0	10.0	9.9	30.0
Isopropyl alcohol	Ave	1.258	1.548		12.3	10.0	23.0	30.0
3-Chloropropene	Ave	0.8232	0.8383		10.2	10.0	1.8	30.0
Acetonitrile	Ave	0.5419	0.6564		12.1	10.0	21.1	30.0
Methylene Chloride	Ave	0.8274	0.9251		11.2	10.0	11.8	30.0
tert-Butyl alcohol	Ave	1.697	1.950		11.5	10.0	14.9	30.0
Methyl tert-butyl ether	Ave	2.345	2.548		10.9	10.0	8.6	30.0
trans-1,2-Dichloroethene	Ave	1.131	1.239		11.0	10.0	9.5	30.0
Acrylonitrile	Ave	0.5235	0.5933		11.3	10.0	13.3	30.0
n-Hexane	Ave	1.137	1.271		11.2	10.0	11.8	30.0
1,1-Dichloroethane	Ave	1.471	1.616		11.0	10.0	9.9	30.0
Vinyl acetate	Ave	1.940	2.254		11.6	10.0	16.2	30.0
cis-1,2-Dichloroethene	Ave	0.9463	1.021		10.8	10.0	7.9	30.0
Methyl Ethyl Ketone (2-Butanone)	Ave	0.4490	0.4725		10.5	10.0	5.2	30.0
Ethyl acetate	Ave	0.0671	0.0718		10.7	10.0	7.0	30.0
Tetrahydrofuran	Ave	0.1851	0.2162		11.7	10.0	16.8	30.0
Chloroform	Ave	1.982	2.065		10.4	10.0	4.2	30.0
Cyclohexane	Ave	0.2443	0.2605		10.7	10.0	6.6	30.0
1,1,1-Trichloroethane	Ave	0.4089	0.4292		10.5	10.0	5.0	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-43091-1

SDG No.: 200-43091-1

Lab Sample ID: CCVIS 200-128526/2 Calibration Date: 04/17/2018 09:58

Instrument ID: CHX.i Calib Start Date: 04/12/2018 17:29

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 04/12/2018 23:23

Lab File ID: 30131_02.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Carbon tetrachloride	Ave	0.4297	0.4693		10.9	10.0	9.2	30.0
2,2,4-Trimethylpentane	Ave	0.9059	0.9949		11.0	10.0	9.8	30.0
Benzene	Ave	0.5871	0.6185		10.5	10.0	5.4	30.0
1,2-Dichloroethane	Ave	0.2599	0.2774		10.7	10.0	6.7	30.0
n-Heptane	Ave	0.3435	0.3872		11.3	10.0	12.7	30.0
n-Butanol	Ave	0.1254	0.1390		11.1	10.0	10.8	30.0
Trichloroethene	Ave	0.2888	0.2909		10.1	10.0	0.7	30.0
1,2-Dichloropropane	Ave	0.2277	0.2474		10.9	10.0	8.6	30.0
Methyl methacrylate	Ave	0.2268	0.2410		10.6	10.0	6.3	30.0
1,4-Dioxane	Ave	0.1344	0.1529		11.4	10.0	13.8	30.0
Dibromomethane	Ave	0.3283	0.3267		9.95	10.0	-0.5	30.0
Bromodichloromethane	Ave	0.4578	0.4956		10.8	10.0	8.3	30.0
cis-1,3-Dichloropropene	Ave	0.3552	0.3788		10.7	10.0	6.7	30.0
4-Methyl-2-pentanone (Methyl isobutyl ketone)	Ave	0.4851	0.5408		11.1	10.0	11.5	30.0
Toluene	Ave	0.5124	0.5334		10.4	10.0	4.1	30.0
n-Octane	Ave	0.5091	0.5757		11.3	10.0	13.1	30.0
trans-1,3-Dichloropropene	Ave	0.3971	0.3823		9.63	10.0	-3.7	30.0
1,1,2-Trichloroethane	Ave	0.2491	0.2665		10.7	10.0	7.0	30.0
Tetrachloroethene	Ave	0.5250	0.5107		9.72	10.0	-2.7	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.5098	0.5670		11.1	10.0	11.2	30.0
Dibromochloromethane	Ave	0.5460	0.5925		10.8	10.0	8.5	30.0
1,2-Dibromoethane	Ave	0.4808	0.5088		10.6	10.0	5.8	30.0
Chlorobenzene	Ave	0.7408	0.7697		10.4	10.0	3.9	30.0
Ethylbenzene	Ave	1.151	1.228		10.7	10.0	6.7	30.0
n-Nonane	Ave	0.5145	0.5677		11.0	10.0	10.3	30.0
m,p-Xylene	Ave	0.4718	0.4945		21.0	20.0	4.8	30.0
o-Xylene	Ave	0.4701	0.4910		10.4	10.0	4.4	30.0
Styrene	Ave	0.7230	0.7678		10.6	10.0	6.2	30.0
Bromoform	Ave	0.5243	0.5959		11.4	10.0	13.7	30.0
Cumene	Ave	1.354	1.438		10.6	10.0	6.2	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6591	0.7206		10.9	10.0	9.3	30.0
n-Propylbenzene	Ave	1.603	1.735		10.8	10.0	8.2	30.0
1,2,3-Trichloropropane	Ave	0.5138	0.5586		10.9	10.0	8.7	30.0
n-Decane	Ave	0.6387	0.7467		11.7	10.0	16.9	30.0
4-Ethyltoluene	Ave	1.356	1.465		10.8	10.0	8.0	30.0
2-Chlorotoluene	Ave	1.108	1.204		10.9	10.0	8.7	30.0
1,3,5-Trimethylbenzene	Ave	1.122	1.199		10.7	10.0	6.9	30.0
Alpha Methyl Styrene	Ave	0.5783	0.6185		10.7	10.0	6.9	30.0
tert-Butylbenzene	Ave	1.098	1.163		10.6	10.0	5.9	30.0
1,2,4-Trimethylbenzene	Ave	1.116	1.212		10.9	10.0	8.6	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-43091-1

SDG No.: 200-43091-1

Lab Sample ID: CCVIS 200-128526/2 Calibration Date: 04/17/2018 09:58

Instrument ID: CHX.i Calib Start Date: 04/12/2018 17:29

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 04/12/2018 23:23

Lab File ID: 30131_02.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
sec-Butylbenzene	Ave	1.615	1.770		11.0	10.0	9.6	30.0
4-Isopropyltoluene	Ave	1.394	1.529		11.0	10.0	9.6	30.0
1,3-Dichlorobenzene	Ave	0.8625	0.9133		10.6	10.0	5.9	30.0
1,4-Dichlorobenzene	Ave	0.8758	0.9118		10.4	10.0	4.1	30.0
Benzyl chloride	Ave	0.9102	1.044		11.5	10.0	14.7	30.0
n-Butylbenzene	Ave	1.232	1.362		11.1	10.0	10.6	30.0
n-Undecane	Ave	0.6235	0.6696		10.7	10.0	7.4	30.0
1,2-Dichlorobenzene	Ave	0.8084	0.8553		10.6	10.0	5.8	30.0
n-Dodecane	Ave	0.4231	0.5232		12.4	10.0	23.7	30.0
1,2,4-Trichlorobenzene	Ave	0.6137	0.6075		9.90	10.0	-1.0	30.0
Hexachlorobutadiene	Ave	0.6281	0.6144		9.78	10.0	-2.2	30.0
Naphthalene	Ave	1.256	1.278		10.2	10.0	1.8	30.0
1,2,3-Trichlorobenzene	Ave	0.5369	0.5577		10.4	10.0	3.9	30.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180417-30131.b\30131_02.D
Lims ID: ccvis
Client ID:
Sample Type: CCVIS
Inject. Date: 17-Apr-2018 09:58:30 ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0030131-002
Operator ID: PAD Instrument ID: CHX.i
Sublist: chrom-TO15_MasterMethod_X.m*sub1

Method: \\ChromNA\Burlington\ChromData\CHX.i\20180417-30131.b\TO15_MasterMethod_X.m.m
Limit Group: AI_TO15_ICAL
Last Update: 18-Apr-2018 12:33:20 Calib Date: 12-Apr-2018 23:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHX.i\20180412-30075.b\30075_11.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK030

First Level Reviewer: bunmaa Date: 18-Apr-2018 12:33:20

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	3.044	3.044	0.000	98	158009	10.0	11.9	
2 Dichlorodifluoromethane	85	3.108	3.108	0.000	99	598776	10.0	11.1	
3 Chlorodifluoromethane	51	3.156	3.156	0.000	97	334162	10.0	11.4	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.354	3.354	0.000	96	580574	10.0	10.9	
5 Chloromethane	50	3.488	3.488	0.000	99	188558	10.0	11.3	
6 Butane	43	3.664	3.664	0.000	98	336339	10.0	11.7	
7 Vinyl chloride	62	3.713	3.713	0.000	98	223549	10.0	11.2	
8 Butadiene	54	3.782	3.782	0.000	96	167436	10.0	11.0	
10 Bromomethane	94	4.413	4.413	0.000	99	225221	10.0	11.0	
9 BFB									
11 Chloroethane	64	4.633	4.633	0.000	100	106949	10.0	11.3	
12 2-Methylbutane	43	4.697	4.697	0.000	95	236784	10.0	11.4	
13 Vinyl bromide	106	4.997	4.997	0.000	98	222355	10.0	10.3	
14 Trichlorofluoromethane	101	5.088	5.088	0.000	98	605284	10.0	10.3	
16 Pentane	43	5.216	5.216	0.000	98	362097	10.0	11.6	
17 Ethanol	45	5.639	5.639	0.000	98	126433	15.0	19.4	
18 Ethyl ether	59	5.719	5.719	0.000	96	137452	10.0	11.3	
19 Acrolein	56	6.099	6.099	0.000	43	67244	10.0	14.1	
20 1,1,2-Trichloro-1,2,2-trif	101	6.109	6.109	0.000	96	433725	10.0	10.6	
21 1,1-Dichloroethene	96	6.163	6.163	0.000	96	202755	10.0	10.1	
22 Acetone	43	6.404	6.404	0.000	99	347024	10.0	11.3	
23 Carbon disulfide	76	6.548	6.548	0.000	99	561247	10.0	11.0	
24 Isopropyl alcohol	45	6.682	6.682	0.000	100	382434	10.0	12.3	
25 3-Chloro-1-propene	41	6.928	6.928	0.000	96	207086	10.0	10.2	
26 Acetonitrile	41	7.083	7.083	0.000	98	162133	10.0	12.1	
27 Methylene Chloride	49	7.227	7.227	0.000	92	228506	10.0	11.2	
28 2-Methyl-2-propanol	59	7.452	7.452	0.000	93	481637	10.0	11.5	
29 Methyl tert-butyl ether	73	7.623	7.623	0.000	96	629364	10.0	10.9	
31 trans-1,2-Dichloroethene	61	7.661	7.661	0.000	98	306085	10.0	11.0	
32 Acrylonitrile	53	7.832	7.832	0.000	95	146544	10.0	11.3	
33 Hexane	57	8.030	8.030	0.000	94	313930	10.0	11.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
34 1,1-Dichloroethane	63	8.543	8.543	0.000	99	399273	10.0	11.0	
35 Vinyl acetate	43	8.618	8.618	0.000	100	556887	10.0	11.6	
S 30 1,2-Dichloroethene, Total	61				0		20.0	21.7	
37 cis-1,2-Dichloroethene	96	9.678	9.678	0.000	92	252177	10.0	10.8	
38 2-Butanone (MEK)	72	9.736	9.736	0.000	99	116709	10.0	10.5	
39 Ethyl acetate	88	9.774	9.774	0.000	97	17741	10.0	10.7	
* 40 Chlorobromomethane	128	10.164	10.164	0.000	88	247066	10.0	10.0	
41 Tetrahydrofuran	42	10.175	10.175	0.000	93	273809	10.0	11.7	
42 Chloroform	83	10.298	10.298	0.000	95	510144	10.0	10.4	
43 Cyclohexane	84	10.539	10.539	0.000	98	329819	10.0	10.7	
44 1,1,1-Trichloroethane	97	10.576	10.576	0.000	95	543529	10.0	10.5	
45 Carbon tetrachloride	117	10.838	10.838	0.000	97	594238	10.0	10.9	
46 Isooctane	57	11.282	11.282	0.000	99	1259807	10.0	11.0	
47 Benzene	78	11.336	11.336	0.000	96	783260	10.0	10.5	
48 1,2-Dichloroethane	62	11.539	11.539	0.000	98	351255	10.0	10.7	
49 n-Heptane	43	11.700	11.700	0.000	95	490322	10.0	11.3	
* 50 1,4-Difluorobenzene	114	12.235	12.235	0.000	94	1266546	10.0	10.0	
52 n-Butanol	56	12.689	12.689	0.000	90	175983	10.0	11.1	
53 Trichloroethene	95	12.727	12.727	0.000	98	368350	10.0	10.1	
A 51 GRO	1	13.198	(4.687-21.708)		0	105530901	10.0	0	
54 1,2-Dichloropropane	63	13.326	13.326	0.000	90	313224	10.0	10.9	
55 Methyl methacrylate	69	13.508	13.508	0.000	95	305232	10.0	10.6	
56 1,4-Dioxane	88	13.567	13.567	0.000	94	193664	10.0	11.4	
57 Dibromomethane	174	13.599	13.599	0.000	93	413724	10.0	9.95	
58 Dichlorobromomethane	83	13.909	13.909	0.000	98	627612	10.0	10.8	
60 cis-1,3-Dichloropropene	75	14.894	14.894	0.000	93	479704	10.0	10.7	
A 59 TVOC as Toluene	92	15.105	(3.034-27.176)		0	190298548	10.0	0	
61 4-Methyl-2-pentanone (MIBK	43	15.204	15.204	0.000	97	684797	10.0	11.1	
65 Toluene	92	15.498	15.498	0.000	93	631037	10.0	10.4	
64 n-Octane	43	15.557	15.557	0.000	94	728956	10.0	11.3	
66 trans-1,3-Dichloropropene	75	16.145	16.145	0.000	97	484098	10.0	9.63	
67 1,1,2-Trichloroethane	83	16.541	16.541	0.000	96	315230	10.0	10.7	
68 Tetrachloroethene	166	16.632	16.632	0.000	98	604123	10.0	9.72	
69 2-Hexanone	43	17.023	17.023	0.000	93	670813	10.0	11.1	
71 Chlorodibromomethane	129	17.338	17.338	0.000	98	700948	10.0	10.8	
72 Ethylene Dibromide	107	17.622	17.622	0.000	99	601908	10.0	10.6	
* 74 Chlorobenzene-d5	117	18.569	18.569	0.000	85	1183271	10.0	10.0	
75 Chlorobenzene	112	18.628	18.628	0.000	96	910546	10.0	10.4	
76 Ethylbenzene	91	18.788	18.788	0.000	98	1453173	10.0	10.7	
77 n-Nonane	57	18.927	18.927	0.000	92	671615	10.0	11.0	
78 m-Xylene & p-Xylene	106	19.061	19.061	0.000	0	1169924	20.0	21.0	
S 73 Xylenes, Total	106				0		30.0	31.4	
79 o-Xylene	106	19.954	19.954	0.000	99	580819	10.0	10.4	
80 Styrene	104	20.013	20.013	0.000	97	908362	10.0	10.6	
81 Bromoform	173	20.484	20.484	0.000	99	704954	10.0	11.4	
82 Isopropylbenzene	105	20.714	20.714	0.000	95	1701240	10.0	10.6	
84 1,1,2,2-Tetrachloroethane	83	21.442	21.442	0.000	98	852524	10.0	10.9	
85 N-Propylbenzene	91	21.500	21.500	0.000	99	2052737	10.0	10.8	
86 1,2,3-Trichloropropane	75	21.543	21.543	0.000	97	660832	10.0	10.9	
87 n-Decane	57	21.698	21.698	0.000	91	883405	10.0	11.7	
88 4-Ethyltoluene	105	21.709	21.709	0.000	98	1733296	10.0	10.8	
89 2-Chlorotoluene	91	21.714	21.714	0.000	96	1424310	10.0	10.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
90 1,3,5-Trimethylbenzene	105	21.827	21.827	0.000	94	1418323	10.0	10.7	
91 Alpha Methyl Styrene	118	22.217	22.217	0.000	90	731682	10.0	10.7	
92 tert-Butylbenzene	119	22.346	22.346	0.000	95	1375632	10.0	10.6	
93 1,2,4-Trimethylbenzene	105	22.447	22.447	0.000	97	1434145	10.0	10.9	
94 sec-Butylbenzene	105	22.688	22.688	0.000	99	2093523	10.0	11.0	
95 4-Isopropyltoluene	119	22.902	22.902	0.000	98	1808508	10.0	11.0	
96 1,3-Dichlorobenzene	146	22.929	22.929	0.000	96	1080494	10.0	10.6	
97 1,4-Dichlorobenzene	146	23.073	23.073	0.000	97	1078641	10.0	10.4	
98 Benzyl chloride	91	23.287	23.287	0.000	99	1234892	10.0	11.5	
100 n-Butylbenzene	91	23.501	23.501	0.000	98	1611639	10.0	11.1	
99 Undecane	57	23.528	23.528	0.000	96	792193	10.0	10.7	
101 1,2-Dichlorobenzene	146	23.624	23.624	0.000	98	1011883	10.0	10.6	
102 Dodecane	57	25.154	25.154	0.000	98	618962	10.0	12.4	
103 1,2,4-Trichlorobenzene	180	26.187	26.187	0.000	94	718673	10.0	9.90	
104 Hexachlorobutadiene	225	26.374	26.374	0.000	96	726821	10.0	9.78	
105 Naphthalene	128	26.684	26.684	0.000	99	1512114	10.0	10.2	
106 1,2,3-Trichlorobenzene	180	27.166	27.166	0.000	96	659744	10.0	10.4	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

ATTO15CAL4w_00676	Amount Added: 200.00	Units: mL	
ATTO15XISs_00002	Amount Added: 20.00	Units: mL	Run Reagent

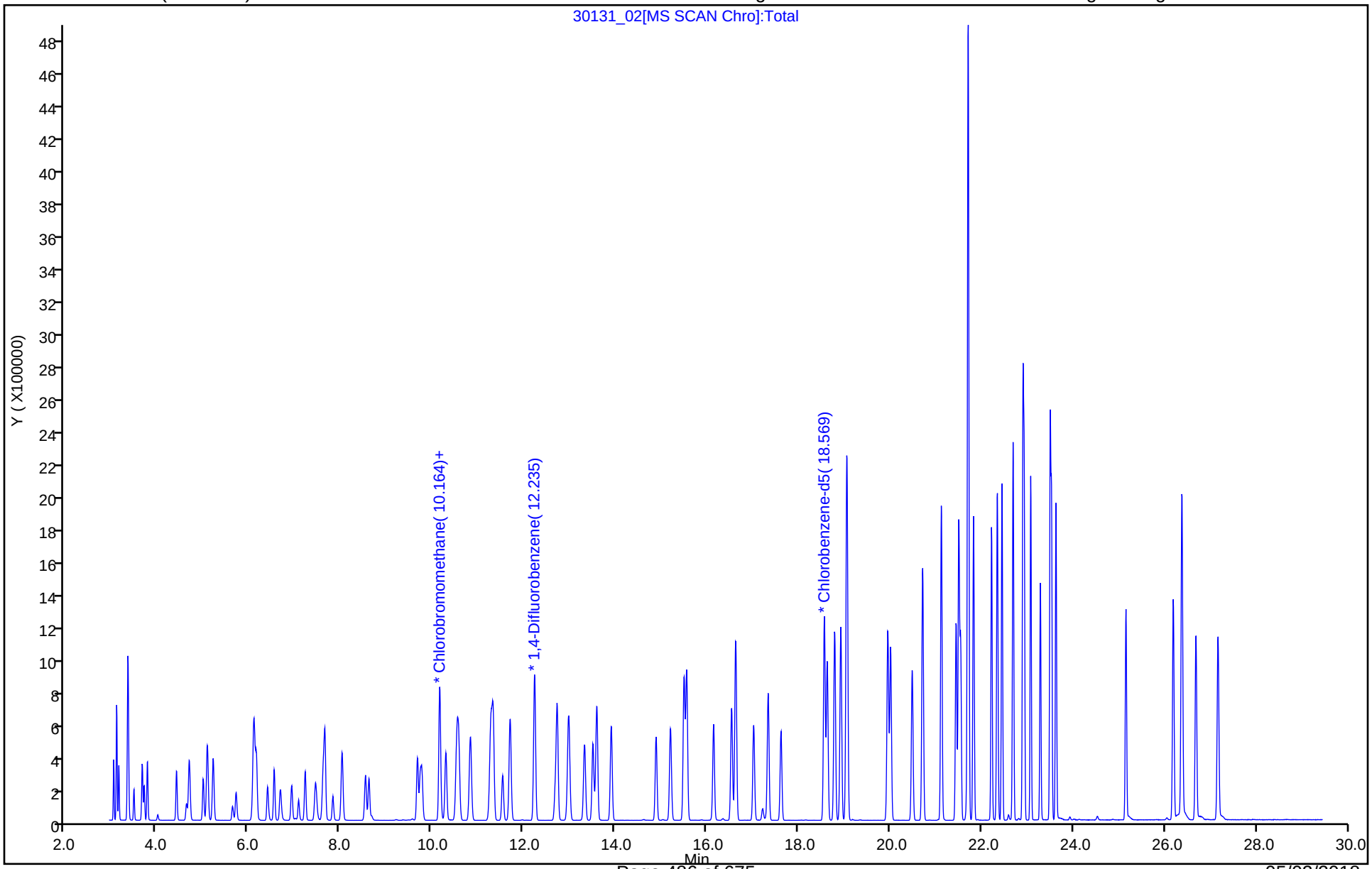
Report Date: 18-Apr-2018 12:33:21 Chrom Revision: 2.2 13-Mar-2018 08:45:20

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180417-30131.b\30131_02.D

Injection Date:	17-Apr-2018 09:58:30	Instrument ID:	CHX.i	Operator ID:	PAD
Lims ID:	ccvis			Worklist Smp#:	2
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180405-29969.b\29969-01.D
Lims ID: bfb
Client ID:
Sample Type: BFB
Inject. Date: 05-Apr-2018 16:19:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 0.0 mL Dil. Factor: 1.0000
Sample Info: 200-0029969-001
Operator ID: pad Instrument ID: CHB.i

Method: \\ChromNA\Burlington\ChromData\CHB.i\20180405-29969.b\TO15_LLNJ_TO3.m
Limit Group: AI_TO15_ICAL
Last Update: 06-Apr-2018 15:39:28 Calib Date: 06-Apr-2018 10:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHB.i\20180405-29969.b\29969-21.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK029

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
	9 BFB									
*	39 Chlorobromomethane	128	8.078	8.078	0.000	1	33	10.0	10.0	s
*	50 1,4-Difluorobenzene	114		11.086				10.0	ND	
*	72 Chlorobenzene-d5	117		15.196				10.0	ND	

QC Flag Legend

Processing Flags
s - Failed ISTD Recovery Test

Reagents:

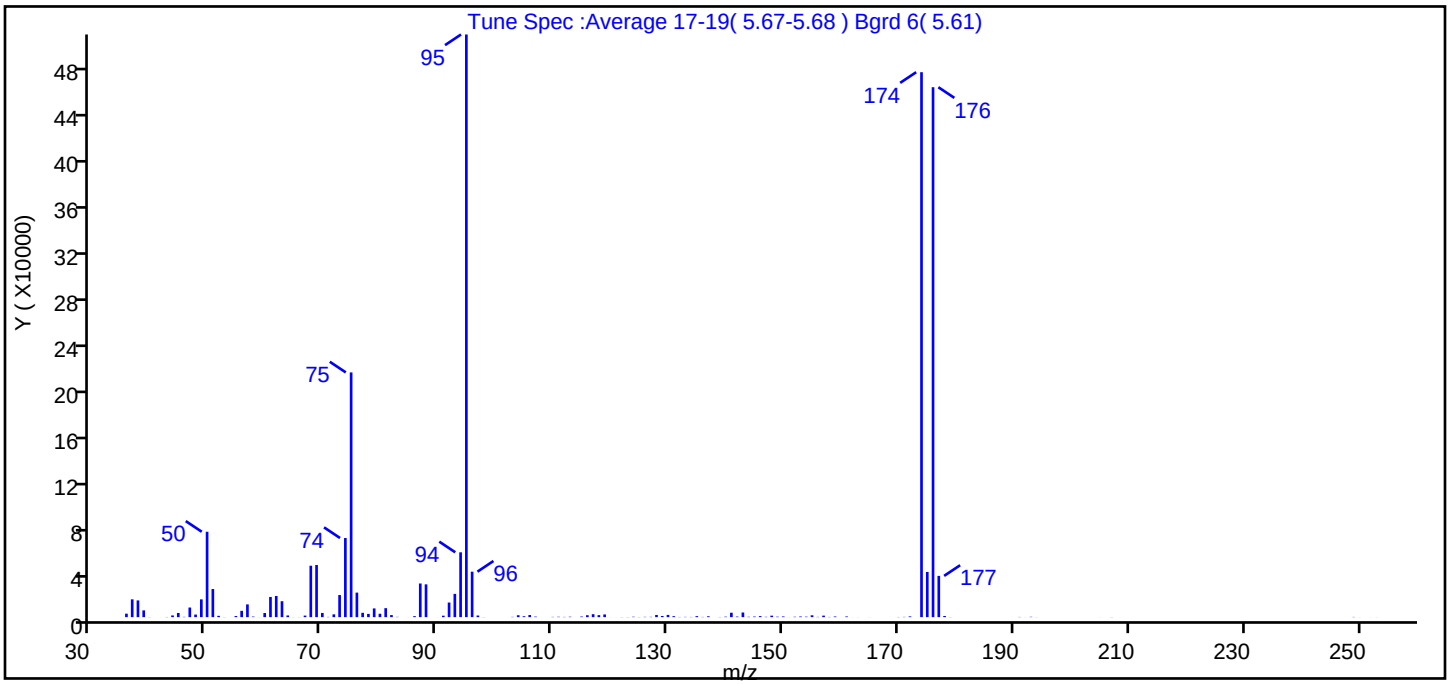
ATTO15BISs_00006 Amount Added: 20.00 Units: mL Run Reagent

MS Tune Report

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180405-29969.b\29969-01.D
Injection Date: 05-Apr-2018 16:19:30 Instrument ID: CHB.i
Lims ID: bfb
Client ID:
Operator ID: pad ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 0.0 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3 Limit Group: AI_TO15_ICAL
Tune Method: BFB Method TO-15

9 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100 Percent Relative Abundance	100.0
50	8.0 to 40.0 Percent of m/e 95	14.7
75	30.0 to 66.0 Percent of m/e 95	42.0
96	5.0 to 9.0 Percent of m/e 95	7.8
173	Less than 2.0 Percent of m/e 174	0.0 (0.0)
174	50.0 to 120.0 Percent of m/e 95	93.5
175	4.0 to 9.0 Percent of m/e 174	7.8 (8.3)
176	93.0 to 101.0 Percent of m/e 174	90.9 (97.2)
177	5.0 to 9.0 Percent of m/e 176	7.1 (7.8)

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180405-29969.b\29969-01.D\TO15_LLNJ_TO3.rslt\spectra.d
Injection Date: 05-Apr-2018 16:19:30
Spectrum: Tune Spec :Average 17-19(5.67-5.68) Bgrd 6(5.61)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 134

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2990	73.00	19016	116.00	1658	151.00	44
37.00	15326	74.00	68072	117.00	2544	152.00	332
38.00	14398	75.00	210560	118.00	1732	153.00	549
39.00	5813	76.00	21104	119.00	2337	154.00	406
40.00	100	77.00	3724	120.00	34	155.00	1590
43.00	147	78.00	2781	121.00	33	156.00	219
44.00	1461	79.00	7512	122.00	95	157.00	1304
45.00	3567	80.00	2905	123.00	117	158.00	175
46.00	247	81.00	7718	124.00	340	159.00	558
47.00	8277	82.00	1775	125.00	118	161.00	574
48.00	2224	83.00	232	126.00	258	162.00	36
49.00	15293	85.00	43	127.00	255	163.00	50
50.00	73464	86.00	832	128.00	1870	165.00	50
51.00	24192	87.00	28952	129.00	998	170.00	145
52.00	1130	88.00	28216	130.00	1911	171.00	215
53.00	95	90.00	37	131.00	822	172.00	640
55.00	946	91.00	1238	132.00	152	174.00	468864
56.00	5434	92.00	12573	133.00	226	175.00	38888
57.00	10969	93.00	20016	134.00	174	176.00	455936
58.00	475	94.00	55784	135.00	860	177.00	35504
59.00	63	95.00	501312	136.00	182	178.00	990
60.00	3538	96.00	39128	137.00	740	179.00	97
61.00	17368	97.00	1391	139.00	141	191.00	166
62.00	18208	98.00	99	140.00	398	192.00	45
63.00	13713	103.00	221	141.00	3800	193.00	292
64.00	1443	104.00	1647	142.00	486	194.00	69
65.00	69	105.00	764	143.00	4000	205.00	36
66.00	88	106.00	1824	144.00	304	207.00	100
67.00	1332	107.00	458	145.00	493	249.00	182
68.00	44216	110.00	217	146.00	876	250.00	43
69.00	44856	111.00	327	147.00	280	252.00	38
70.00	3597	112.00	202	148.00	1272	253.00	51
71.00	210	113.00	371	149.00	398		

Report Date: 06-Apr-2018 15:39:28 Chrom Revision: 2.2 13-Mar-2018 08:45:20
Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180405-29969.b\29969-01.D\TO15_LLNJ_TO3.rslt\spectra.d
Injection Date: 05-Apr-2018 16:19:30
Spectrum: Tune Spec :Average 17-19(5.67-5.68) Bgrd 6(5.61)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 134

m/z	Y	m/z	Y	m/z	Y	m/z	Y
72.00	2404	115.00	517	150.00	583		

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-01.D
Lims ID: bfb
Client ID:
Sample Type: BFB
Inject. Date: 16-Apr-2018 09:18:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 0.0 mL Dil. Factor: 1.0000
Sample Info: 200-0030117-001
Operator ID: pad Instrument ID: CHB.i

Method: \\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\TO15_LLNJ_TO3.m
Limit Group: AI_TO15_ICAL
Last Update: 17-Apr-2018 14:32:32 Calib Date: 06-Apr-2018 10:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHB.i\20180405-29969.b\29969-21.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK005

First Level Reviewer: phamvu Date: 17-Apr-2018 14:28:50

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
9 BFB									
* 39 Chlorobromomethane	128		9.683				10.0	ND	U
* 50 1,4-Difluorobenzene	114		11.087				10.0	ND	
* 72 Chlorobenzene-d5	117		15.196				10.0	ND	

QC Flag Legend

Review Flags
U - Marked Undetected

Reagents:

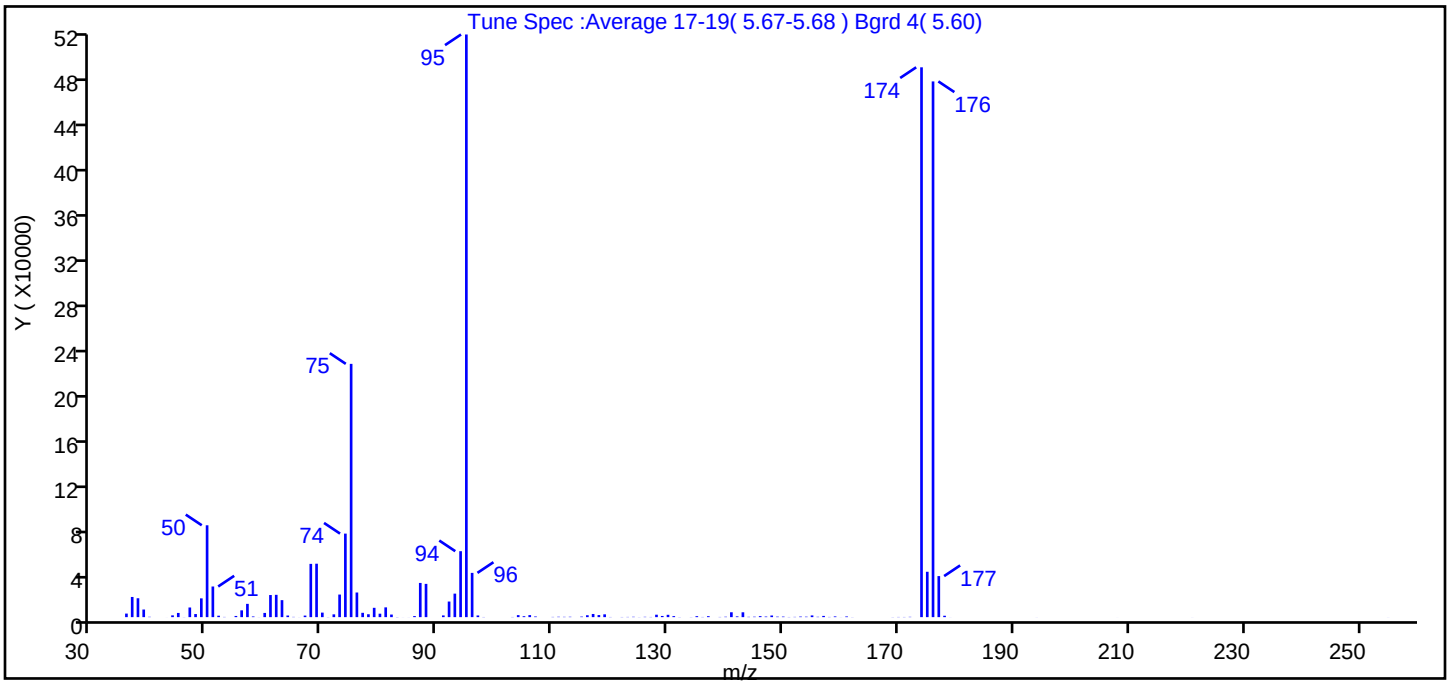
ATTO15BISs_00006 Amount Added: 20.00 Units: mL Run Reagent

MS Tune Report

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-01.D
Injection Date: 16-Apr-2018 09:18:30 Instrument ID: CHB.i
Lims ID: bfb
Client ID:
Operator ID: pad ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 0.0 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3 Limit Group: AI_TO15_ICAL
Tune Method: BFB Method TO-15

9 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100 Percent Relative Abundance	100.0
50	8.0 to 40.0 Percent of m/e 95	15.8
75	30.0 to 66.0 Percent of m/e 95	43.5
96	5.0 to 9.0 Percent of m/e 95	7.6
173	Less than 2.0 Percent of m/e 174	0.0 (0.0)
174	50.0 to 120.0 Percent of m/e 95	94.4
175	4.0 to 9.0 Percent of m/e 174	7.8 (8.3)
176	93.0 to 101.0 Percent of m/e 174	91.9 (97.4)
177	5.0 to 9.0 Percent of m/e 176	7.0 (7.7)

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-01.D\TO15_LLNJ_TO3.rslt\spectra.d
Injection Date: 16-Apr-2018 09:18:30
Spectrum: Tune Spec :Average 17-19(5.67-5.68) Bgrd 4(5.60)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 126

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	3170	71.00	103	111.00	335	147.00	522
37.00	17936	72.00	2487	112.00	268	148.00	1460
38.00	16800	73.00	20080	113.00	339	149.00	435
39.00	6772	74.00	74256	115.00	484	150.00	477
40.00	294	75.00	225152	116.00	1699	151.00	146
43.00	23	76.00	21904	117.00	2819	152.00	223
44.00	1587	77.00	3850	118.00	1851	153.00	508
45.00	3738	78.00	2575	119.00	2504	154.00	409
46.00	82	79.00	8294	120.00	149	155.00	1525
47.00	8579	80.00	3069	122.00	145	156.00	308
48.00	2746	81.00	8687	123.00	190	157.00	1093
49.00	16688	82.00	2308	124.00	314	158.00	184
50.00	81664	83.00	129	125.00	84	159.00	641
51.00	27240	84.00	34	126.00	288	160.00	49
52.00	1280	85.00	40	127.00	161	161.00	604
53.00	186	86.00	940	128.00	2166	162.00	83
55.00	1057	87.00	30408	129.00	1052	169.00	96
56.00	6052	88.00	29568	130.00	2083	170.00	168
57.00	11814	91.00	1517	131.00	904	171.00	155
58.00	592	92.00	13876	132.00	112	172.00	271
59.00	59	93.00	20904	134.00	97	174.00	488768
60.00	3749	94.00	58624	135.00	865	175.00	40328
61.00	19656	95.00	517952	136.00	160	176.00	476224
62.00	19832	96.00	39352	137.00	850	177.00	36496
63.00	15105	97.00	1490	139.00	173	178.00	1243
64.00	1435	98.00	143	140.00	359	179.00	40
65.00	218	103.00	153	141.00	4338	194.00	40
66.00	51	104.00	1787	142.00	662	208.00	19
67.00	1388	105.00	819	143.00	4319	221.00	33
68.00	47352	106.00	1820	144.00	275	255.00	37
69.00	47496	107.00	582	145.00	394		
70.00	4027	110.00	199	146.00	894		

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180418-30158.b\30158-01.D
Lims ID: bfb
Client ID:
Sample Type: BFB
Inject. Date: 18-Apr-2018 09:39:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 0.0 mL Dil. Factor: 1.0000
Sample Info: 200-0030158-001
Operator ID: pad Instrument ID: CHB.i

Method: \\ChromNA\Burlington\ChromData\CHB.i\20180418-30158.b\TO15_LLNJ_TO3.m
Limit Group: AI_TO15_ICAL
Last Update: 19-Apr-2018 11:00:03 Calib Date: 06-Apr-2018 10:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHB.i\20180405-29969.b\29969-21.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK027

First Level Reviewer: puangmaleek Date: 19-Apr-2018 11:00:03

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
9 BFB									
* 39 Chlorobromomethane	128	8.334	8.334	0.000	1	112	10.0	10.0	s
* 50 1,4-Difluorobenzene	114		11.087				10.0	ND	
* 72 Chlorobenzene-d5	117		15.196				10.0	ND	

QC Flag Legend

Processing Flags
s - Failed ISTD Recovery Test

Reagents:

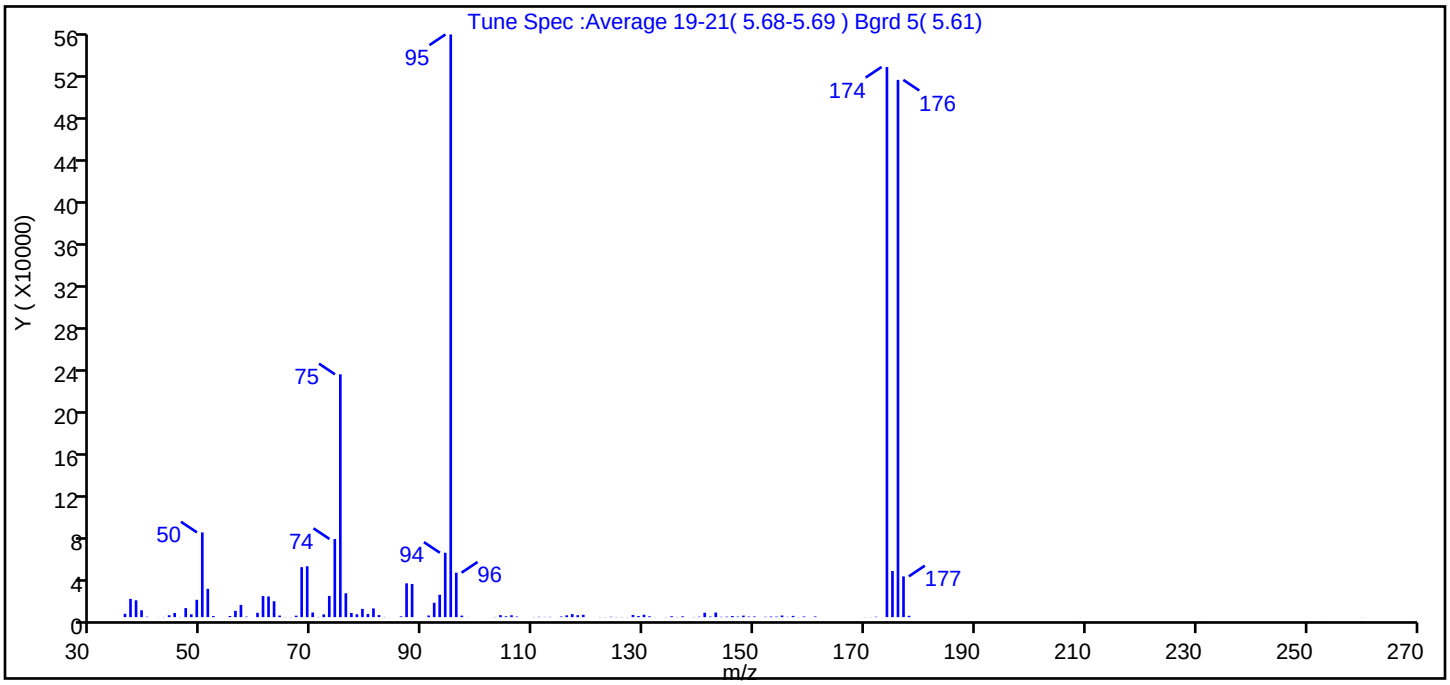
ATTO15BISs_00006 Amount Added: 20.00 Units: mL Run Reagent

MS Tune Report

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180418-30158.b\30158-01.D
Injection Date: 18-Apr-2018 09:39:30 Instrument ID: CHB.i
Lims ID: bfb
Client ID:
Operator ID: pad ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 0.0 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3 Limit Group: AI_TO15_ICAL
Tune Method: BFB Method TO-15

9 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100 Percent Relative Abundance	100.0
50	8.0 to 40.0 Percent of m/e 95	14.5
75	30.0 to 66.0 Percent of m/e 95	41.7
96	5.0 to 9.0 Percent of m/e 95	7.6
173	Less than 2.0 Percent of m/e 174	0.0 (0.0)
174	50.0 to 120.0 Percent of m/e 95	94.4
175	4.0 to 9.0 Percent of m/e 174	7.9 (8.4)
176	93.0 to 101.0 Percent of m/e 174	92.2 (97.6)
177	5.0 to 9.0 Percent of m/e 176	7.0 (7.6)

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180418-30158.b\30158-01.D\TO15_LLNJ_TO3.rslt\spectra.d
Injection Date: 18-Apr-2018 09:39:30
Spectrum: Tune Spec :Average 19-21(5.68-5.69) Bgrd 5(5.61)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 129

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	3212	70.00	4390	111.00	332	147.00	512
37.00	17352	71.00	232	112.00	222	148.00	1445
38.00	15993	72.00	2640	113.00	265	149.00	515
39.00	6532	73.00	20152	115.00	593	150.00	621
40.00	404	74.00	74232	116.00	1740	151.00	57
41.00	11	75.00	230656	117.00	2880	152.00	357
42.00	83	76.00	22696	118.00	1848	153.00	570
43.00	163	77.00	3936	119.00	2273	154.00	502
44.00	1794	78.00	2706	120.00	34	155.00	1547
45.00	3950	79.00	7815	121.00	51	156.00	271
46.00	196	80.00	3028	122.00	162	157.00	1198
47.00	8608	81.00	8304	123.00	142	158.00	126
48.00	2669	82.00	1963	124.00	350	159.00	642
49.00	16464	83.00	214	125.00	160	160.00	35
50.00	80488	84.00	46	126.00	183	161.00	645
51.00	26888	86.00	738	127.00	114	169.00	40
52.00	1015	87.00	32104	128.00	2049	170.00	90
53.00	42	88.00	31536	129.00	1040	171.00	82
54.00	35	89.00	37	130.00	2283	172.00	370
55.00	1127	91.00	1536	131.00	787	174.00	522624
56.00	5955	92.00	13638	132.00	68	175.00	43888
57.00	11640	93.00	21232	134.00	134	176.00	510336
58.00	495	94.00	61144	135.00	858	177.00	38736
60.00	4094	95.00	553472	136.00	187	178.00	1277
61.00	19976	96.00	42256	137.00	775	208.00	23
62.00	19640	97.00	1466	139.00	185	209.00	79
63.00	15099	98.00	110	140.00	388	232.00	33
64.00	1509	103.00	197	141.00	4168	253.00	54
65.00	206	104.00	1889	142.00	560	260.00	87
66.00	130	105.00	774	143.00	4399	261.00	40
67.00	1404	106.00	1795	144.00	314		
68.00	47464	107.00	544	145.00	479		
69.00	48336	110.00	167	146.00	1077		

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	3212	70.00	4390	111.00	332	147.00	512
37.00	17352	71.00	232	112.00	222	148.00	1445
38.00	15993	72.00	2640	113.00	265	149.00	515
39.00	6532	73.00	20152	115.00	593	150.00	621
40.00	404	74.00	74232	116.00	1740	151.00	57
41.00	11	75.00	230656	117.00	2880	152.00	357
42.00	83	76.00	22696	118.00	1848	153.00	570
43.00	163	77.00	3936	119.00	2273	154.00	502
44.00	1794	78.00	2706	120.00	34	155.00	1547
45.00	3950	79.00	7815	121.00	51	156.00	271
46.00	196	80.00	3028	122.00	162	157.00	1198
47.00	8608	81.00	8304	123.00	142	158.00	126
48.00	2669	82.00	1963	124.00	350	159.00	642
49.00	16464	83.00	214	125.00	160	160.00	35
50.00	80488	84.00	46	126.00	183	161.00	645
51.00	26888	86.00	738	127.00	114	169.00	40
52.00	1015	87.00	32104	128.00	2049	170.00	90
53.00	42	88.00	31536	129.00	1040	171.00	82
54.00	35	89.00	37	130.00	2283	172.00	370
55.00	1127	91.00	1536	131.00	787	174.00	522624
56.00	5955	92.00	13638	132.00	68	175.00	43888
57.00	11640	93.00	21232	134.00	134	176.00	510336
58.00	495	94.00	61144	135.00	858	177.00	38736
60.00	4094	95.00	553472	136.00	187	178.00	1277
61.00	19976	96.00	42256	137.00	775	208.00	23
62.00	19640	97.00	1466	139.00	185	209.00	79
63.00	15099	98.00	110	140.00	388	232.00	33
64.00	1509	103.00	197	141.00	4168	253.00	54
65.00	206	104.00	1889	142.00	560	260.00	87
66.00	130	105.00	774	143.00	4399	261.00	40
67.00	1404	106.00	1795	144.00	314		
68.00	47464	107.00	544	145.00	479		
69.00	48336	110.00	167	146.00	1077		

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180412-30075.b\30075_01.D
Lims ID: bfb
Client ID:
Sample Type: BFB
Inject. Date: 12-Apr-2018 15:03:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 200.0 mL Dil. Factor: 1.0000
Sample Info: 200-0030075-001
Operator ID: pad Instrument ID: CHX.i

Method: \\ChromNA\Burlington\ChromData\CHX.i\20180412-30075.b\TO15_MasterMethod_X.m.m
Limit Group: AI_TO15_ICAL
Last Update: 13-Apr-2018 09:12:45 Calib Date: 12-Apr-2018 23:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHX.i\20180412-30075.b\30075_11.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK030

First Level Reviewer: daiglep Date: 13-Apr-2018 08:42:00

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
9 BFB									
* 40 Chlorobromomethane	128		10.164				10.0	ND	
* 50 1,4-Difluorobenzene	114		12.235				10.0	ND	
* 74 Chlorobenzene-d5	117		18.563				10.0	ND	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Reagents:

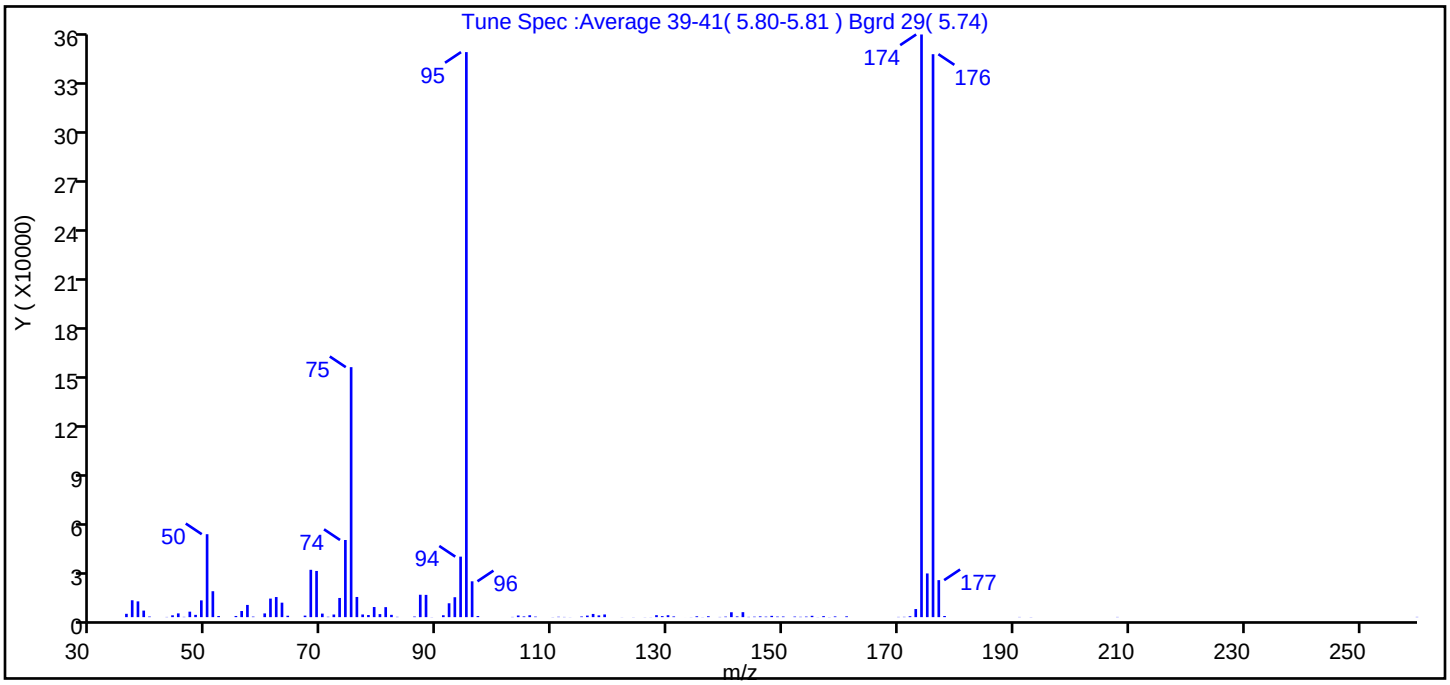
ATTO15XISs_00002 Amount Added: 20.00 Units: mL Run Reagent

MS Tune Report

TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20180412-30075.b\30075_01.D				
Injection Date:	12-Apr-2018 15:03:30	Instrument ID:	CHX.i		
Lims ID:	bfb				
Client ID:					
Operator ID:	pad	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	200.0 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL		
Tune Method:	BFB Method TO-15				

9 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100 Percent Relative Abundance	100.0
50	8.0 to 40.0 Percent of m/e 95	14.7
75	30.0 to 66.0 Percent of m/e 95	44.2
96	5.0 to 9.0 Percent of m/e 95	6.3
173	Less than 2.0 Percent of m/e 174	1.4 (1.4)
174	50.0 to 120.0 Percent of m/e 95	103.1
175	4.0 to 9.0 Percent of m/e 174	7.7 (7.5)
176	93.0 to 101.0 Percent of m/e 174	99.6 (96.6)
177	5.0 to 9.0 Percent of m/e 176	6.5 (6.6)

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180412-30075.b\30075_01.D\TO15_MasterMethod_X.m.rslt\s
Injection Date: 12-Apr-2018 15:03:30
Spectrum: Tune Spec :Average 39-41(5.80-5.81) Bgrd 29(5.74)
Base Peak: 174.00
Minimum % Base Peak: 0
Number of Points: 113

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2053	72.00	1616	111.00	225	147.00	306
37.00	10366	73.00	11775	112.00	128	148.00	797
38.00	9679	74.00	47344	113.00	56	149.00	338
39.00	4016	75.00	153408	115.00	408	150.00	383
40.00	362	76.00	12377	116.00	959	152.00	359
43.00	124	77.00	1642	117.00	1964	153.00	209
44.00	1128	78.00	1292	118.00	1080	154.00	340
45.00	2303	79.00	6204	119.00	1646	155.00	822
46.00	176	80.00	1858	122.00	53	156.00	56
47.00	3361	81.00	6137	124.00	69	157.00	627
48.00	1402	82.00	1409	126.00	62	158.00	77
49.00	10293	83.00	185	127.00	58	159.00	454
50.00	50896	86.00	362	128.00	1203	161.00	507
51.00	15911	87.00	13740	129.00	621	170.00	145
52.00	680	88.00	13659	130.00	1172	171.00	187
55.00	717	89.00	74	131.00	443	172.00	563
56.00	3759	91.00	1152	133.00	10	173.00	4973
57.00	7495	92.00	8514	134.00	63	174.00	357568
58.00	323	93.00	12223	135.00	537	175.00	26816
60.00	2291	94.00	37128	136.00	67	176.00	345472
61.00	11395	95.00	346752	137.00	559	177.00	22704
62.00	12339	96.00	21992	139.00	132	178.00	699
63.00	8885	97.00	664	140.00	314	191.00	123
64.00	861	103.00	137	141.00	3002	193.00	82
67.00	939	104.00	1004	142.00	442	208.00	128
68.00	29048	105.00	437	143.00	3060	260.00	149
69.00	28344	106.00	1166	144.00	168		
70.00	2173	107.00	332	145.00	286		
71.00	237	110.00	77	146.00	462		

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180417-30131.b\30131_01.D
Lims ID: bfb
Client ID:
Sample Type: BFB
Inject. Date: 17-Apr-2018 08:55:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 200.0 mL Dil. Factor: 1.0000
Sample Info: 200-0030131-001
Operator ID: PAD Instrument ID: CHX.i

Method: \\ChromNA\Burlington\ChromData\CHX.i\20180417-30131.b\TO15_MasterMethod_X.m.m
Limit Group: AI_TO15_ICAL
Last Update: 18-Apr-2018 12:32:29 Calib Date: 12-Apr-2018 23:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHX.i\20180412-30075.b\30075_11.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK030

First Level Reviewer: bunmaa Date: 18-Apr-2018 12:32:29

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
9 BFB									
* 40 Chlorobromomethane	128		10.164				10.0	ND	
* 50 1,4-Difluorobenzene	114		12.235				10.0	ND	
* 74 Chlorobenzene-d5	117		18.569				10.0	ND	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Reagents:

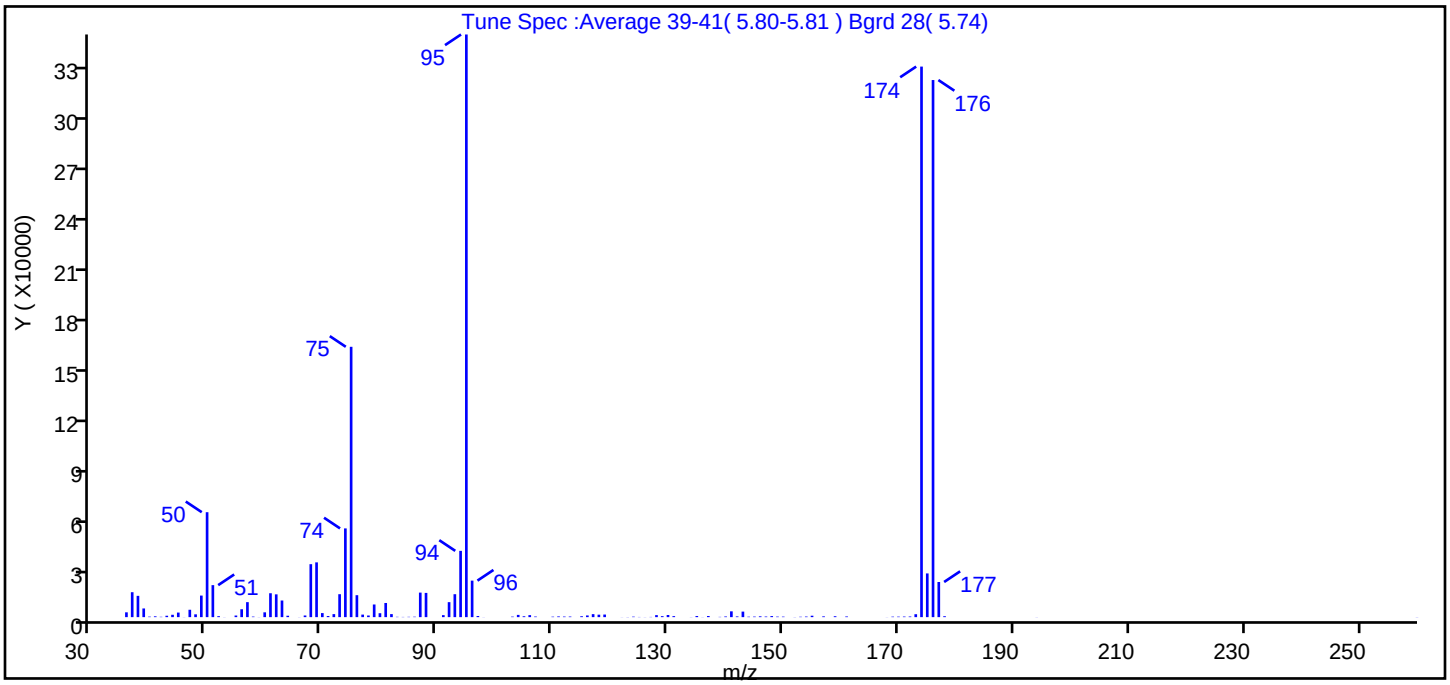
ATTO15XISs_00002 Amount Added: 20.00 Units: mL Run Reagent

MS Tune Report

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180417-30131.b\30131_01.D
Injection Date: 17-Apr-2018 08:55:30 Instrument ID: CHX.i
Lims ID: bfb
Client ID:
Operator ID: PAD ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 200.0 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_X.m Limit Group: AI_TO15_ICAL
Tune Method: BFB Method TO-15

9 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100 Percent Relative Abundance	100.0
50	8.0 to 40.0 Percent of m/e 95	18.0
75	30.0 to 66.0 Percent of m/e 95	46.4
96	5.0 to 9.0 Percent of m/e 95	6.3
173	Less than 2.0 Percent of m/e 174	0.5 (0.5)
174	50.0 to 120.0 Percent of m/e 95	94.5
175	4.0 to 9.0 Percent of m/e 174	7.5 (7.9)
176	93.0 to 101.0 Percent of m/e 174	92.2 (97.6)
177	5.0 to 9.0 Percent of m/e 176	6.0 (6.5)

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180417-30131.b\30131_01.D\TO15_MasterMethod_X.m.rslt\s
Injection Date: 17-Apr-2018 08:55:30
Spectrum: Tune Spec :Average 39-41(5.80-5.81) Bgrd 28(5.74)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 119

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2846	68.00	31248	104.00	1329	142.00	420
37.00	14708	69.00	32312	105.00	511	143.00	3267
38.00	12562	70.00	2394	106.00	1185	144.00	261
39.00	5122	71.00	654	107.00	355	145.00	323
40.00	302	72.00	1787	110.00	281	146.00	477
41.00	481	73.00	13536	111.00	417	147.00	357
42.00	200	74.00	52352	112.00	341	148.00	622
43.00	825	75.00	159488	113.00	353	149.00	311
44.00	1396	76.00	12953	115.00	528	150.00	301
45.00	2698	77.00	1502	116.00	998	152.00	77
46.00	59	78.00	968	117.00	1770	153.00	232
47.00	4357	79.00	7469	118.00	1458	154.00	349
48.00	1658	80.00	2317	119.00	1532	155.00	841
49.00	12725	81.00	8353	122.00	51	157.00	452
50.00	61912	82.00	1793	123.00	83	159.00	532
51.00	18880	83.00	188	124.00	291	161.00	401
52.00	567	84.00	127	125.00	111	168.00	50
53.00	58	85.00	185	126.00	58	169.00	290
55.00	954	86.00	256	127.00	127	170.00	300
56.00	4667	87.00	14478	128.00	1189	171.00	341
57.00	8844	88.00	14297	129.00	569	172.00	372
58.00	320	91.00	1176	130.00	1265	173.00	1726
59.00	63	92.00	8837	131.00	590	174.00	324800
60.00	2843	93.00	13533	134.00	65	175.00	25792
61.00	14104	94.00	39104	135.00	656	176.00	316864
62.00	13451	95.00	343744	136.00	56	177.00	20736
63.00	9816	96.00	21544	137.00	660	178.00	530
64.00	827	97.00	659	139.00	157	194.00	57
66.00	61	98.00	53	140.00	391	260.00	75
67.00	979	103.00	309	141.00	3430		

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-43091-1

SDG No.: 200-43091-1

Client Sample ID: Lab Sample ID: MB 200-128485/4

Matrix: Air Lab File ID: 30117-04.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 04/16/2018 12:04

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 128485 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	0.50	U	0.50	0.20
75-45-6	Chlorodifluoromethane	86.47	0.50	U	0.50	0.26
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.20	U	0.20	0.068
74-87-3	Chloromethane	50.49	0.50	U	0.50	0.25
106-97-8	n-Butane	58.12	0.50	U	0.50	0.31
75-01-4	Vinyl chloride	62.50	0.035	U	0.035	0.041
106-99-0	1,3-Butadiene	54.09	0.20	U	0.20	0.065
74-83-9	Bromomethane	94.94	0.20	U	0.20	0.062
75-00-3	Chloroethane	64.52	0.50	U	0.50	0.21
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.20	U	0.20	0.056
75-69-4	Trichlorofluoromethane	137.37	0.20	U	0.20	0.062
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	0.20	U	0.20	0.031
75-35-4	1,1-Dichloroethene	96.94	0.035	U	0.035	0.034
67-64-1	Acetone	58.08	5.0	U	5.0	2.6
67-63-0	Isopropyl alcohol	60.10	5.0	U	5.0	1.8
75-15-0	Carbon disulfide	76.14	0.50	U	0.50	0.12
107-05-1	3-Chloropropene	76.53	0.50	U	0.50	0.27
75-09-2	Methylene Chloride	84.93	0.50	U	0.50	0.20
75-65-0	tert-Butyl alcohol	74.12	5.0	U	5.0	1.5
1634-04-4	Methyl tert-butyl ether	88.15	0.20	U	0.20	0.061
156-60-5	trans-1,2-Dichloroethene	96.94	0.20	U	0.20	0.074
110-54-3	n-Hexane	86.17	0.20	U	0.20	0.16
75-34-3	1,1-Dichloroethane	98.96	0.20	U	0.20	0.026
78-93-3	Methyl Ethyl Ketone (2-Butanone)	72.11	0.50	U	0.50	0.20
156-59-2	cis-1,2-Dichloroethene	96.94	0.035	U	0.035	0.037
67-66-3	Chloroform	119.38	0.20	U	0.20	0.052
109-99-9	Tetrahydrofuran	72.11	5.0	U	5.0	2.6
71-55-6	1,1,1-Trichloroethane	133.41	0.20	U	0.20	0.068
110-82-7	Cyclohexane	84.16	0.20	U	0.20	0.063
56-23-5	Carbon tetrachloride	153.81	0.035	U	0.035	0.024
540-84-1	2,2,4-Trimethylpentane	114.23	0.20	U	0.20	0.088
71-43-2	Benzene	78.11	0.20	U	0.20	0.071
107-06-2	1,2-Dichloroethane	98.96	0.20	U	0.20	0.063

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-43091-1

SDG No.: 200-43091-1

Client Sample ID: Lab Sample ID: MB 200-128485/4

Matrix: Air Lab File ID: 30117-04.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 04/16/2018 12:04

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 128485 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
142-82-5	n-Heptane	100.21	0.20	U	0.20	0.14
79-01-6	Trichloroethene	131.39	0.035	U	0.035	0.030
80-62-6	Methyl methacrylate	100.12	0.50	U	0.50	0.22
78-87-5	1,2-Dichloropropane	112.99	0.20	U	0.20	0.12
123-91-1	1,4-Dioxane	88.11	5.0	U	5.0	1.3
75-27-4	Bromodichloromethane	163.83	0.20	U	0.20	0.094
10061-01-5	cis-1,3-Dichloropropene	110.97	0.20	U	0.20	0.098
108-10-1	4-Methyl-2-pentanone (Methyl isobutyl ketone)	100.16	0.50	U	0.50	0.36
108-88-3	Toluene	92.14	0.20	U	0.20	0.069
10061-02-6	trans-1,3-Dichloropropene	110.97	0.20	U	0.20	0.12
79-00-5	1,1,2-Trichloroethane	133.41	0.20	U	0.20	0.078
127-18-4	Tetrachloroethene	165.83	0.20	U	0.20	0.029
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.50	U	0.50	0.42
124-48-1	Dibromochloromethane	208.29	0.20	U	0.20	0.071
106-93-4	1,2-Dibromoethane	187.87	0.20	U	0.20	0.069
108-90-7	Chlorobenzene	112.56	0.20	U	0.20	0.040
100-41-4	Ethylbenzene	106.17	0.20	U	0.20	0.073
179601-23-1	m,p-Xylene	106.17	0.50	U	0.50	0.070
95-47-6	o-Xylene	106.17	0.20	U	0.20	0.071
100-42-5	Styrene	104.15	0.20	U	0.20	0.086
75-25-2	Bromoform	252.75	0.20	U	0.20	0.086
98-82-8	Cumene	120.19	0.20	U	0.20	0.059
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.20	U	0.20	0.076
103-65-1	n-Propylbenzene	120.19	0.20	U	0.20	0.069
622-96-8	4-Ethyltoluene	120.20	0.20	U	0.20	0.069
108-67-8	1,3,5-Trimethylbenzene	120.20	0.20	U	0.20	0.058
95-49-8	2-Chlorotoluene	126.59	0.20	U	0.20	0.071
98-06-6	tert-Butylbenzene	134.22	0.20	U	0.20	0.058
95-63-6	1,2,4-Trimethylbenzene	120.20	0.20	U	0.20	0.080
135-98-8	sec-Butylbenzene	134.22	0.20	U	0.20	0.066
99-87-6	4-Isopropyltoluene	134.22	0.20	U	0.20	0.075
541-73-1	1,3-Dichlorobenzene	147.00	0.20	U	0.20	0.082
106-46-7	1,4-Dichlorobenzene	147.00	0.20	U	0.20	0.065

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-43091-1

SDG No.: 200-43091-1

Client Sample ID: Lab Sample ID: MB 200-128485/4

Matrix: Air Lab File ID: 30117-04.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 04/16/2018 12:04

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 128485 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
100-44-7	Benzyl chloride	126.58	0.20	U	0.20	0.12
104-51-8	n-Butylbenzene	134.22	0.20	U	0.20	0.080
95-50-1	1,2-Dichlorobenzene	147.00	0.20	U	0.20	0.071
120-82-1	1,2,4-Trichlorobenzene	181.45	0.50	U	0.50	0.24
87-68-3	Hexachlorobutadiene	260.76	0.20	U	0.20	0.082
91-20-3	Naphthalene	128.17	0.50	U	0.50	0.31

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-43091-1

SDG No.: 200-43091-1

Client Sample ID: | Lab Sample ID: MB 200-128485/4

Matrix: Air | Lab File ID: 30117-04.D

Analysis Method: TO-15 | Date Collected:

Sample wt/vol: 200(mL) | Date Analyzed: 04/16/2018 12:04

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 128485 | Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	2.5	U	2.5	0.99
75-45-6	Chlorodifluoromethane	86.47	1.8	U	1.8	0.92
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.4	U	1.4	0.48
74-87-3	Chloromethane	50.49	1.0	U	1.0	0.52
106-97-8	n-Butane	58.12	1.2	U	1.2	0.74
75-01-4	Vinyl chloride	62.50	0.089	U	0.089	0.10
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44	0.14
74-83-9	Bromomethane	94.94	0.78	U	0.78	0.24
75-00-3	Chloroethane	64.52	1.3	U	1.3	0.55
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.87	U	0.87	0.24
75-69-4	Trichlorofluoromethane	137.37	1.1	U	1.1	0.35
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	1.5	U	1.5	0.24
75-35-4	1,1-Dichloroethene	96.94	0.14	U	0.14	0.13
67-64-1	Acetone	58.08	12	U	12	6.2
67-63-0	Isopropyl alcohol	60.10	12	U	12	4.4
75-15-0	Carbon disulfide	76.14	1.6	U	1.6	0.37
107-05-1	3-Chloropropene	76.53	1.6	U	1.6	0.85
75-09-2	Methylene Chloride	84.93	1.7	U	1.7	0.69
75-65-0	tert-Butyl alcohol	74.12	15	U	15	4.5
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72	0.22
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79	0.29
110-54-3	n-Hexane	86.17	0.70	U	0.70	0.56
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81	0.11
78-93-3	Methyl Ethyl Ketone (2-Butanone)	72.11	1.5	U	1.5	0.59
156-59-2	cis-1,2-Dichloroethene	96.94	0.14	U	0.14	0.15
67-66-3	Chloroform	119.38	0.98	U	0.98	0.25
109-99-9	Tetrahydrofuran	72.11	15	U	15	7.7
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1	0.37
110-82-7	Cyclohexane	84.16	0.69	U	0.69	0.22
56-23-5	Carbon tetrachloride	153.81	0.22	U	0.22	0.15
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93	0.41
71-43-2	Benzene	78.11	0.64	U	0.64	0.23
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81	0.25

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-43091-1

SDG No.: 200-43091-1

Client Sample ID: | Lab Sample ID: MB 200-128485/4

Matrix: Air | Lab File ID: 30117-04.D

Analysis Method: TO-15 | Date Collected:

Sample wt/vol: 200(mL) | Date Analyzed: 04/16/2018 12:04

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 128485 | Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
142-82-5	n-Heptane	100.21	0.82	U	0.82	0.57
79-01-6	Trichloroethene	131.39	0.19	U	0.19	0.16
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0	0.90
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92	0.55
123-91-1	1,4-Dioxane	88.11	18	U	18	4.7
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3	0.63
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91	0.44
108-10-1	4-Methyl-2-pentanone (Methyl isobutyl ketone)	100.16	2.0	U	2.0	1.5
108-88-3	Toluene	92.14	0.75	U	0.75	0.26
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91	0.54
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1	0.43
127-18-4	Tetrachloroethene	165.83	1.4	U	1.4	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0	1.7
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7	0.60
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5	0.53
108-90-7	Chlorobenzene	112.56	0.92	U	0.92	0.18
100-41-4	Ethylbenzene	106.17	0.87	U	0.87	0.32
179601-23-1	m,p-Xylene	106.17	2.2	U	2.2	0.30
95-47-6	o-Xylene	106.17	0.87	U	0.87	0.31
100-42-5	Styrene	104.15	0.85	U	0.85	0.37
75-25-2	Bromoform	252.75	2.1	U	2.1	0.89
98-82-8	Cumene	120.19	0.98	U	0.98	0.29
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4	0.52
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98	0.34
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98	0.34
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98	0.29
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0	0.37
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1	0.32
95-63-6	1,2,4-Trimethylbenzene	120.20	0.98	U	0.98	0.39
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1	0.36
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1	0.41
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2	0.49
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2	0.39

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-43091-1

SDG No.: 200-43091-1

Client Sample ID: Lab Sample ID: MB 200-128485/4

Matrix: Air Lab File ID: 30117-04.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 04/16/2018 12:04

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 128485 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
100-44-7	Benzyl chloride	126.58	1.0	U	1.0	0.62
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1	0.44
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2	0.43
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7	1.8
87-68-3	Hexachlorobutadiene	260.76	2.1	U	2.1	0.87
91-20-3	Naphthalene	128.17	2.6	U	2.6	1.6

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-04.D
Lims ID: mb
Client ID:
Sample Type: MB
Inject. Date: 16-Apr-2018 12:04:30 ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0030117-004
Operator ID: pad Instrument ID: CHB.i

Method: \\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\TO15_LLNJ_TO3.m
Limit Group: AI_TO15_ICAL
Last Update: 17-Apr-2018 14:32:37 Calib Date: 06-Apr-2018 10:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHB.i\20180405-29969.b\29969-21.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK005

First Level Reviewer: phamvu Date: 17-Apr-2018 14:32:12

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1	Propene	41		3.129					ND	
2	Dichlorodifluoromethane	85		3.188					ND	
3	Chlorodifluoromethane	51		3.220					ND	
4	1,2-Dichloro-1,1,2,2-tetra	85		3.407					ND	
5	Chloromethane	50		3.529					ND	
6	Butane	43		3.706					ND	
7	Vinyl chloride	62		3.738					ND	
8	Butadiene	54		3.807					ND	
10	Bromomethane	94		4.463					ND	
11	Chloroethane	64		4.693					ND	
12	2-Methylbutane	43		4.778					ND	
13	Vinyl bromide	106		5.104					ND	
14	Trichlorofluoromethane	101		5.205					ND	
15	Pentane	43	5.344	5.339	0.005	95	5860		0.0829	
16	Ethanol	45		5.654					ND	
17	Ethyl ether	59		5.814					ND	
18	Acrolein	56		6.177					ND	
19	1,1,2-Trichloro-1,2,2-trif	101		6.235					ND	
20	1,1-Dichloroethene	96		6.299					ND	
21	Acetone	43		6.443					ND	
22	Isopropyl alcohol	45		6.668					ND	
23	Carbon disulfide	76		6.732					ND	
24	3-Chloro-1-propene	41		6.998					ND	
26	Acetonitrile	41		7.052					ND	
T 25	Methyl Acetate TIC	43		7.200					ND	
27	Methylene Chloride	49		7.255					ND	
28	2-Methyl-2-propanol	59		7.367					ND	
29	Methyl tert-butyl ether	73		7.607					ND	
30	trans-1,2-Dichloroethene	61		7.671					ND	
31	Acrylonitrile	53		7.735					ND	
32	Hexane	57	8.002	8.002	0.000	89	6765		0.0886	
33	1,1-Dichloroethane	63		8.407					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
34 Vinyl acetate	43		8.413					ND	
36 2-Butanone (MEK)	72		9.293					ND	
37 cis-1,2-Dichloroethene	96		9.315					ND	
35 Ethyl acetate	88		9.320					ND	
* 39 Chlorobromomethane	128	9.678	9.683	-0.005	86	418595	10.0	10.0	
38 Tetrahydrofuran	42		9.688					ND	
40 Chloroform	83		9.752					ND	
S 41 1,2-Dichloroethene, Total	61		10.000					ND	
42 1,1,1-Trichloroethane	97		10.014					ND	
43 Cyclohexane	84		10.030					ND	
44 Carbon tetrachloride	117		10.222					ND	
45 Isooctane	57		10.505					ND	
46 Benzene	78		10.542					ND	
47 1,2-Dichloroethane	62		10.644					ND	
48 n-Heptane	43		10.756					ND	
A 49 GRO	1	10.852	(4.768-16.935)		0	5704526		0	
* 50 1,4-Difluorobenzene	114	11.081	11.087	-0.006	94	1913766	10.0	10.0	
51 n-Butanol	56		11.268					ND	
53 Trichloroethene	95		11.455					ND	
T 52 Methyl cyclohexane TIC	55		11.500					ND	
54 1,2-Dichloropropane	63		11.823					ND	
55 Methyl methacrylate	69		11.860					ND	
56 1,4-Dioxane	88		11.951					ND	
57 Dibromomethane	174		12.010					ND	
58 Dichlorobromomethane	83		12.181					ND	
A 59 TVOC as Toluene	1	12.471	(3.119-21.824)		0	6039722		0	
60 cis-1,3-Dichloropropene	75		12.810					ND	
61 4-Methyl-2-pentanone (MIBK	43		12.954					ND	
63 n-Octane	43		13.232					ND	
64 Toluene	92		13.243					ND	
66 trans-1,3-Dichloropropene	75		13.600					ND	
67 1,1,2-Trichloroethane	83		13.872					ND	
68 Tetrachloroethene	166		14.016					ND	
69 2-Hexanone	43		14.134					ND	
70 Chlorodibromomethane	129		14.427					ND	
71 Ethylene Dibromide	107		14.636					ND	
* 72 Chlorobenzene-d5	117	15.196	15.196	0.000	84	1644705	10.0	10.0	
73 Chlorobenzene	112		15.239					ND	
74 Ethylbenzene	91		15.303					ND	U
75 n-Nonane	57		15.329					ND	
76 m-Xylene & p-Xylene	106		15.452					ND	
78 o-Xylene	106		15.964					ND	
79 Styrene	104		15.986					ND	
S 77 Xylenes, Total	106		16.000					ND	
80 Bromoform	173		16.279					ND	
81 Isopropylbenzene	105		16.375					ND	
83 1,1,2,2-Tetrachloroethane	83		16.781					ND	
84 N-Propylbenzene	91		16.856					ND	
85 1,2,3-Trichloropropane	75		16.866					ND	U
86 n-Decane	57		16.925					ND	
87 4-Ethyltoluene	105		16.978					ND	
88 2-Chlorotoluene	91		17.021					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 1,3,5-Trimethylbenzene	105		17.048					ND	
90 Alpha Methyl Styrene	118		17.320					ND	
91 tert-Butylbenzene	119		17.421					ND	
92 1,2,4-Trimethylbenzene	105		17.491					ND	
93 sec-Butylbenzene	105		17.678					ND	
94 4-Isopropyltoluene	119		17.832					ND	
95 1,3-Dichlorobenzene	146		17.912					ND	
96 1,4-Dichlorobenzene	146		18.019					ND	
97 Benzyl chloride	91		18.169					ND	
98 Undecane	57		18.302					ND	
99 n-Butylbenzene	91		18.339					ND	
100 1,2-Dichlorobenzene	146		18.505					ND	
T 101 1,2-Dibromo-3-Chloropropan	75		19.300					ND	
102 Dodecane	57		19.754					ND	
103 1,2,4-Trichlorobenzene	180		20.858					ND	
104 Hexachlorobutadiene	225		21.029					ND	
105 Naphthalene	128		21.339					ND	
106 1,2,3-Trichlorobenzene	180		21.814					ND	
T 119 Freon 115 TIC	1		0.000					ND	
T 120 1,1,1-Trifluoro-2,2-dichlo	1		0.000					ND	
T 121 1,3-Dichloropropane TIC	1		0.000					ND	
T 118 Difluoroethane TIC	1		0.000					ND	
T 107 Methyl acetylene TIC	1		0.000					ND	
T 108 1,1,1,2-Tetrachloroethane	1		0.000					ND	
T 117 Chlorotrifluoroethene TIC	1		0.000					ND	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

ATTO15BISs_00006 Amount Added: 20.00 Units: mL Run Reagent

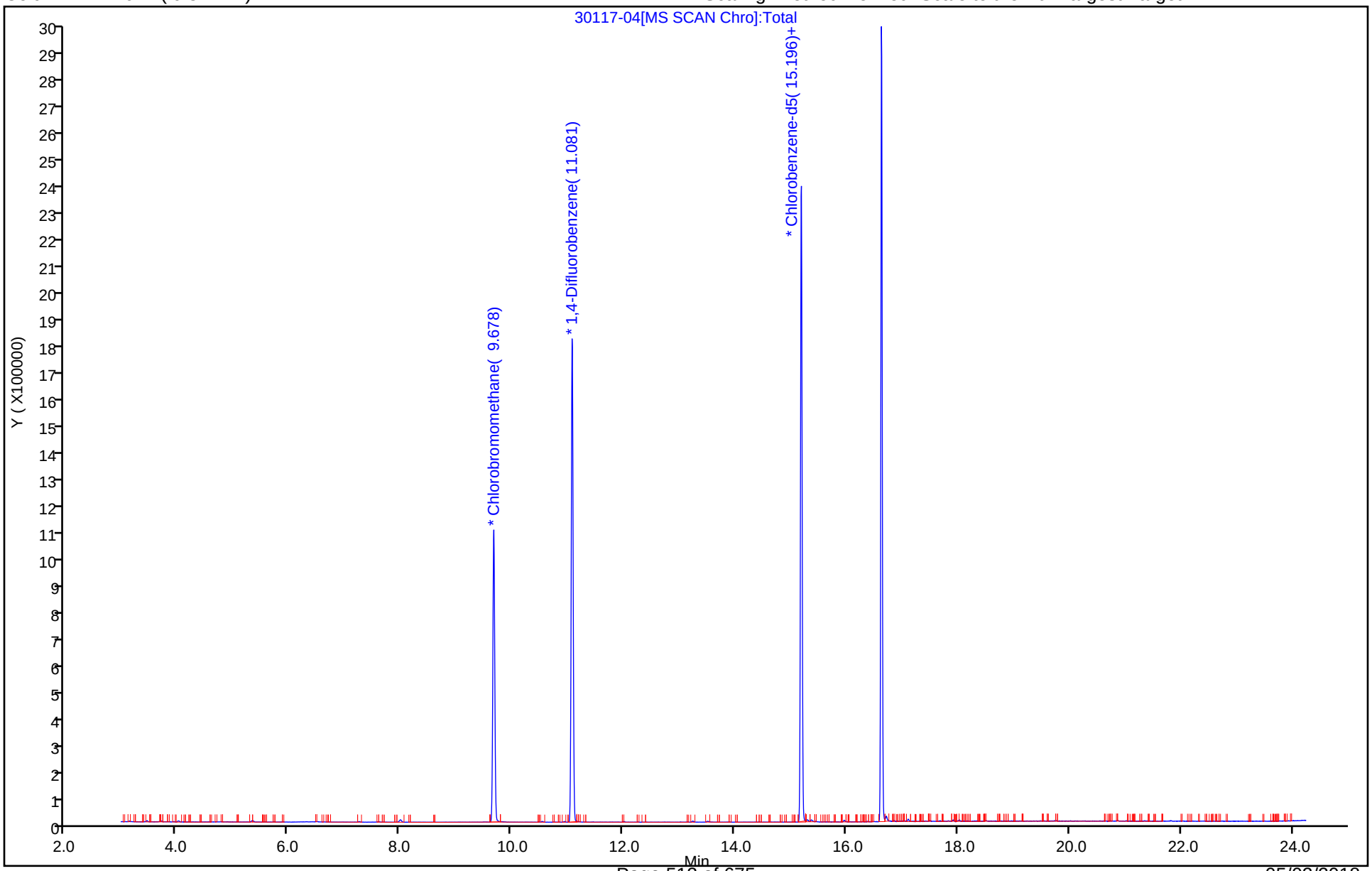
Report Date: 17-Apr-2018 14:32:47 Chrom Revision: 2.2 13-Mar-2018 08:45:20

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-04.D

Injection Date:	16-Apr-2018 12:04:30	Instrument ID:	CHB.i	Operator ID:	pad
Lims ID:	mb			Worklist Smp#:	4
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



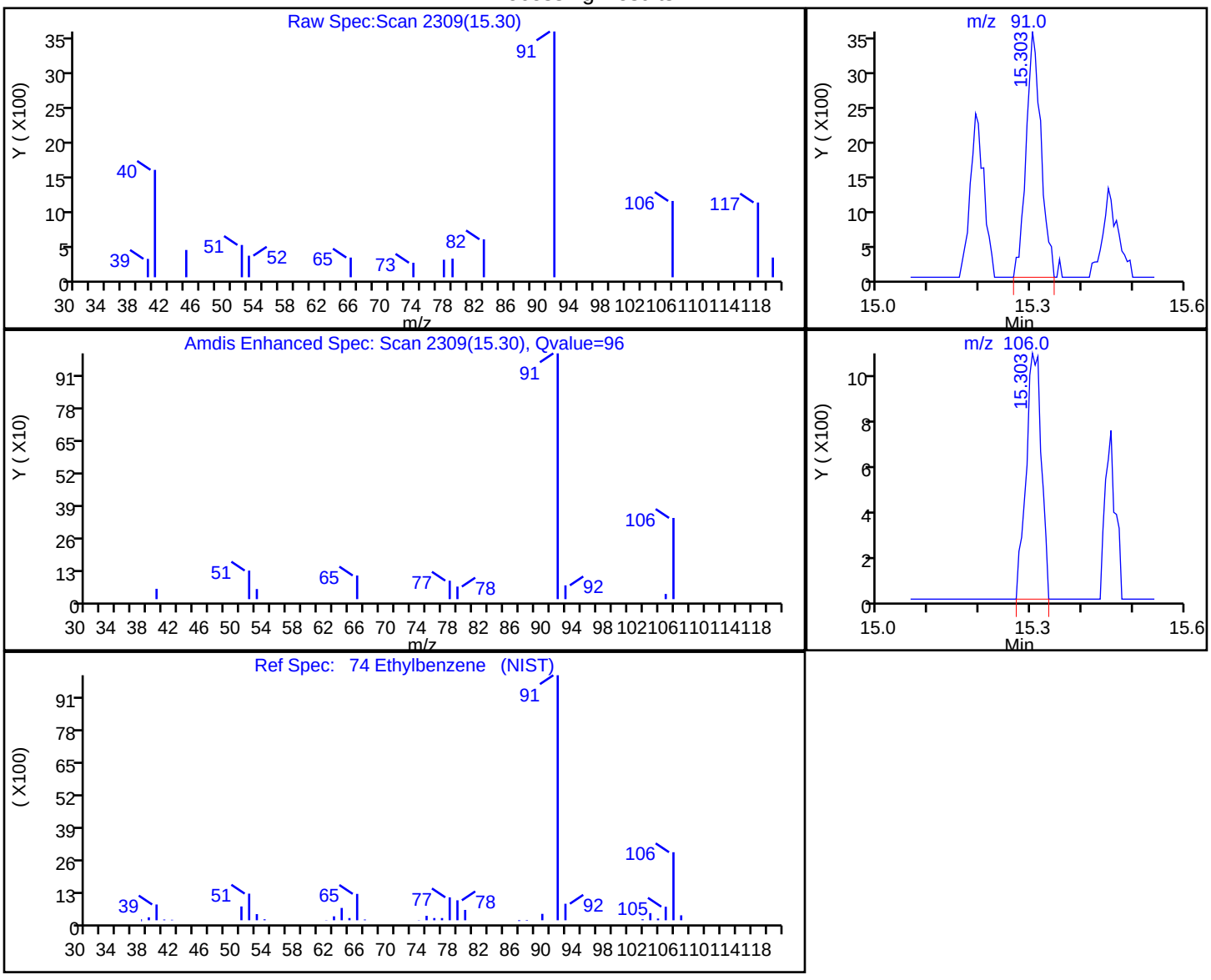
User Disabled Compound Report

TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-04.D				
Injection Date:	16-Apr-2018 12:04:30	Instrument ID:	CHB.i		
Lims ID:	mb				
Client ID:					
Operator ID:	pad	ALS Bottle#:	4	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

74 Ethylbenzene, CAS: 100-41-4

Processing Results



RT	Mass	Response	Amount
15.30	91.00	7116	0.030481
15.30	106.00	2294	

Reviewer: phamvu, 17-Apr-2018 14:32:12

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-43091-1

SDG No.: 200-43091-1

Client Sample ID: | Lab Sample ID: MB 200-128526/4

Matrix: Air | Lab File ID: 30131_04.D

Analysis Method: TO-15 | Date Collected:

Sample wt/vol: 200(mL) | Date Analyzed: 04/17/2018 11:39

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 128526 | Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	0.50	U	0.50	0.20
75-45-6	Chlorodifluoromethane	86.47	0.50	U	0.50	0.26
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.20	U	0.20	0.068
74-87-3	Chloromethane	50.49	0.50	U	0.50	0.25
106-97-8	n-Butane	58.12	0.50	U	0.50	0.31
75-01-4	Vinyl chloride	62.50	0.035	U	0.035	0.041
106-99-0	1,3-Butadiene	54.09	0.20	U	0.20	0.065
74-83-9	Bromomethane	94.94	0.20	U	0.20	0.062
75-00-3	Chloroethane	64.52	0.50	U	0.50	0.21
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.20	U	0.20	0.056
75-69-4	Trichlorofluoromethane	137.37	0.20	U	0.20	0.062
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	0.20	U	0.20	0.031
75-35-4	1,1-Dichloroethene	96.94	0.035	U	0.035	0.034
67-64-1	Acetone	58.08	5.0	U	5.0	2.6
67-63-0	Isopropyl alcohol	60.10	5.0	U	5.0	1.8
75-15-0	Carbon disulfide	76.14	0.50	U	0.50	0.12
107-05-1	3-Chloropropene	76.53	0.50	U	0.50	0.27
75-09-2	Methylene Chloride	84.93	0.50	U	0.50	0.20
75-65-0	tert-Butyl alcohol	74.12	5.0	U	5.0	1.5
1634-04-4	Methyl tert-butyl ether	88.15	0.20	U	0.20	0.061
156-60-5	trans-1,2-Dichloroethene	96.94	0.20	U	0.20	0.074
110-54-3	n-Hexane	86.17	0.20	U	0.20	0.16
75-34-3	1,1-Dichloroethane	98.96	0.20	U	0.20	0.026
78-93-3	Methyl Ethyl Ketone (2-Butanone)	72.11	0.50	U	0.50	0.20
156-59-2	cis-1,2-Dichloroethene	96.94	0.035	U	0.035	0.037
67-66-3	Chloroform	119.38	0.20	U	0.20	0.052
109-99-9	Tetrahydrofuran	72.11	5.0	U	5.0	2.6
71-55-6	1,1,1-Trichloroethane	133.41	0.20	U	0.20	0.068
110-82-7	Cyclohexane	84.16	0.20	U	0.20	0.063
56-23-5	Carbon tetrachloride	153.81	0.035	U	0.035	0.024
540-84-1	2,2,4-Trimethylpentane	114.23	0.20	U	0.20	0.088
71-43-2	Benzene	78.11	0.20	U	0.20	0.071
107-06-2	1,2-Dichloroethane	98.96	0.20	U	0.20	0.063

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-43091-1

SDG No.: 200-43091-1

Client Sample ID: Lab Sample ID: MB 200-128526/4

Matrix: Air Lab File ID: 30131_04.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 04/17/2018 11:39

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 128526 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
142-82-5	n-Heptane	100.21	0.20	U	0.20	0.14
79-01-6	Trichloroethene	131.39	0.035	U	0.035	0.030
80-62-6	Methyl methacrylate	100.12	0.50	U	0.50	0.22
78-87-5	1,2-Dichloropropane	112.99	0.20	U	0.20	0.12
123-91-1	1,4-Dioxane	88.11	5.0	U	5.0	1.3
75-27-4	Bromodichloromethane	163.83	0.20	U	0.20	0.094
10061-01-5	cis-1,3-Dichloropropene	110.97	0.20	U	0.20	0.098
108-10-1	4-Methyl-2-pentanone (Methyl isobutyl ketone)	100.16	0.50	U	0.50	0.36
108-88-3	Toluene	92.14	0.20	U	0.20	0.069
10061-02-6	trans-1,3-Dichloropropene	110.97	0.20	U	0.20	0.12
79-00-5	1,1,2-Trichloroethane	133.41	0.20	U	0.20	0.078
127-18-4	Tetrachloroethene	165.83	0.20	U	0.20	0.029
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.50	U	0.50	0.42
124-48-1	Dibromochloromethane	208.29	0.20	U	0.20	0.071
106-93-4	1,2-Dibromoethane	187.87	0.20	U	0.20	0.069
108-90-7	Chlorobenzene	112.56	0.20	U	0.20	0.040
100-41-4	Ethylbenzene	106.17	0.20	U	0.20	0.073
179601-23-1	m,p-Xylene	106.17	0.50	U	0.50	0.070
95-47-6	o-Xylene	106.17	0.20	U	0.20	0.071
100-42-5	Styrene	104.15	0.20	U	0.20	0.086
75-25-2	Bromoform	252.75	0.20	U	0.20	0.086
98-82-8	Cumene	120.19	0.20	U	0.20	0.059
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.20	U	0.20	0.076
103-65-1	n-Propylbenzene	120.19	0.20	U	0.20	0.069
622-96-8	4-Ethyltoluene	120.20	0.20	U	0.20	0.069
108-67-8	1,3,5-Trimethylbenzene	120.20	0.20	U	0.20	0.058
95-49-8	2-Chlorotoluene	126.59	0.20	U	0.20	0.071
98-06-6	tert-Butylbenzene	134.22	0.20	U	0.20	0.058
95-63-6	1,2,4-Trimethylbenzene	120.20	0.20	U	0.20	0.080
135-98-8	sec-Butylbenzene	134.22	0.20	U	0.20	0.066
99-87-6	4-Isopropyltoluene	134.22	0.20	U	0.20	0.075
541-73-1	1,3-Dichlorobenzene	147.00	0.20	U	0.20	0.082
106-46-7	1,4-Dichlorobenzene	147.00	0.20	U	0.20	0.065

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-43091-1

SDG No.: 200-43091-1

Client Sample ID: Lab Sample ID: MB 200-128526/4

Matrix: Air Lab File ID: 30131_04.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 04/17/2018 11:39

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 128526 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
100-44-7	Benzyl chloride	126.58	0.20	U	0.20	0.12
104-51-8	n-Butylbenzene	134.22	0.20	U	0.20	0.080
95-50-1	1,2-Dichlorobenzene	147.00	0.20	U	0.20	0.071
120-82-1	1,2,4-Trichlorobenzene	181.45	0.50	U	0.50	0.24
87-68-3	Hexachlorobutadiene	260.76	0.20	U	0.20	0.082
91-20-3	Naphthalene	128.17	0.50	U	0.50	0.31

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-43091-1

SDG No.: 200-43091-1

Client Sample ID: | Lab Sample ID: MB 200-128526/4

Matrix: Air | Lab File ID: 30131_04.D

Analysis Method: TO-15 | Date Collected:

Sample wt/vol: 200(mL) | Date Analyzed: 04/17/2018 11:39

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 128526 | Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	2.5	U	2.5	0.99
75-45-6	Chlorodifluoromethane	86.47	1.8	U	1.8	0.92
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.4	U	1.4	0.48
74-87-3	Chloromethane	50.49	1.0	U	1.0	0.52
106-97-8	n-Butane	58.12	1.2	U	1.2	0.74
75-01-4	Vinyl chloride	62.50	0.089	U	0.089	0.10
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44	0.14
74-83-9	Bromomethane	94.94	0.78	U	0.78	0.24
75-00-3	Chloroethane	64.52	1.3	U	1.3	0.55
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.87	U	0.87	0.24
75-69-4	Trichlorofluoromethane	137.37	1.1	U	1.1	0.35
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	1.5	U	1.5	0.24
75-35-4	1,1-Dichloroethene	96.94	0.14	U	0.14	0.13
67-64-1	Acetone	58.08	12	U	12	6.2
67-63-0	Isopropyl alcohol	60.10	12	U	12	4.4
75-15-0	Carbon disulfide	76.14	1.6	U	1.6	0.37
107-05-1	3-Chloropropene	76.53	1.6	U	1.6	0.85
75-09-2	Methylene Chloride	84.93	1.7	U	1.7	0.69
75-65-0	tert-Butyl alcohol	74.12	15	U	15	4.5
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72	0.22
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79	0.29
110-54-3	n-Hexane	86.17	0.70	U	0.70	0.56
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81	0.11
78-93-3	Methyl Ethyl Ketone (2-Butanone)	72.11	1.5	U	1.5	0.59
156-59-2	cis-1,2-Dichloroethene	96.94	0.14	U	0.14	0.15
67-66-3	Chloroform	119.38	0.98	U	0.98	0.25
109-99-9	Tetrahydrofuran	72.11	15	U	15	7.7
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1	0.37
110-82-7	Cyclohexane	84.16	0.69	U	0.69	0.22
56-23-5	Carbon tetrachloride	153.81	0.22	U	0.22	0.15
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93	0.41
71-43-2	Benzene	78.11	0.64	U	0.64	0.23
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81	0.25

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-43091-1

SDG No.: 200-43091-1

Client Sample ID: Lab Sample ID: MB 200-128526/4

Matrix: Air Lab File ID: 30131_04.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 04/17/2018 11:39

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 128526 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
142-82-5	n-Heptane	100.21	0.82	U	0.82	0.57
79-01-6	Trichloroethene	131.39	0.19	U	0.19	0.16
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0	0.90
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92	0.55
123-91-1	1,4-Dioxane	88.11	18	U	18	4.7
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3	0.63
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91	0.44
108-10-1	4-Methyl-2-pentanone (Methyl isobutyl ketone)	100.16	2.0	U	2.0	1.5
108-88-3	Toluene	92.14	0.75	U	0.75	0.26
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91	0.54
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1	0.43
127-18-4	Tetrachloroethene	165.83	1.4	U	1.4	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0	1.7
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7	0.60
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5	0.53
108-90-7	Chlorobenzene	112.56	0.92	U	0.92	0.18
100-41-4	Ethylbenzene	106.17	0.87	U	0.87	0.32
179601-23-1	m,p-Xylene	106.17	2.2	U	2.2	0.30
95-47-6	o-Xylene	106.17	0.87	U	0.87	0.31
100-42-5	Styrene	104.15	0.85	U	0.85	0.37
75-25-2	Bromoform	252.75	2.1	U	2.1	0.89
98-82-8	Cumene	120.19	0.98	U	0.98	0.29
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4	0.52
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98	0.34
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98	0.34
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98	0.29
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0	0.37
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1	0.32
95-63-6	1,2,4-Trimethylbenzene	120.20	0.98	U	0.98	0.39
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1	0.36
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1	0.41
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2	0.49
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2	0.39

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-43091-1

SDG No.: 200-43091-1

Client Sample ID: Lab Sample ID: MB 200-128526/4

Matrix: Air Lab File ID: 30131_04.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 04/17/2018 11:39

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 128526 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
100-44-7	Benzyl chloride	126.58	1.0	U	1.0	0.62
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1	0.44
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2	0.43
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7	1.8
87-68-3	Hexachlorobutadiene	260.76	2.1	U	2.1	0.87
91-20-3	Naphthalene	128.17	2.6	U	2.6	1.6

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180417-30131.b\30131_04.D
Lims ID: mb
Client ID:
Sample Type: MB
Inject. Date: 17-Apr-2018 11:39:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0030131-004
Operator ID: PAD Instrument ID: CHX.i

Method: \\ChromNA\Burlington\ChromData\CHX.i\20180417-30131.b\TO15_MasterMethod_X.m.m
Limit Group: AI_TO15_ICAL
Last Update: 18-Apr-2018 12:42:04 Calib Date: 12-Apr-2018 23:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHX.i\20180412-30075.b\30075_11.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK030

First Level Reviewer: bunmaa Date: 18-Apr-2018 12:42:04

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41		3.044					ND	
2 Dichlorodifluoromethane	85		3.108					ND	
3 Chlorodifluoromethane	51		3.156					ND	
4 1,2-Dichloro-1,1,2,2-tetra	85		3.354					ND	
5 Chloromethane	50		3.488					ND	
6 Butane	43		3.664					ND	
7 Vinyl chloride	62		3.713					ND	
8 Butadiene	54		3.782					ND	
10 Bromomethane	94		4.413					ND	
11 Chloroethane	64		4.633					ND	
12 2-Methylbutane	43		4.697					ND	
13 Vinyl bromide	106		4.997					ND	
14 Trichlorofluoromethane	101		5.088					ND	
16 Pentane	43		5.216					ND	
17 Ethanol	45	5.687	5.639	0.048	74	1806		0.2224	
18 Ethyl ether	59		5.719					ND	
19 Acrolein	56		6.099					ND	
20 1,1,2-Trichloro-1,2,2-trif	101		6.109					ND	
21 1,1-Dichloroethene	96		6.163					ND	
22 Acetone	43		6.404					ND	Ua
23 Carbon disulfide	76		6.548					ND	
24 Isopropyl alcohol	45		6.682					ND	Ua
25 3-Chloro-1-propene	41		6.928					ND	
26 Acetonitrile	41		7.083					ND	
27 Methylene Chloride	49		7.227					ND	
28 2-Methyl-2-propanol	59		7.452					ND	
29 Methyl tert-butyl ether	73		7.623					ND	
31 trans-1,2-Dichloroethene	61		7.661					ND	
32 Acrylonitrile	53		7.832					ND	
33 Hexane	57		8.030					ND	
34 1,1-Dichloroethane	63		8.543					ND	
35 Vinyl acetate	43		8.618					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
S 30 1,2-Dichloroethene, Total	61		9.665					ND	
37 cis-1,2-Dichloroethene	96		9.678					ND	
38 2-Butanone (MEK)	72		9.736					ND	
39 Ethyl acetate	88		9.774					ND	
* 40 Chlorobromomethane	128	10.159	10.164	-0.005	84	308223	10.0	10.0	
41 Tetrahydrofuran	42		10.175					ND	
42 Chloroform	83		10.298					ND	
43 Cyclohexane	84		10.539					ND	
44 1,1,1-Trichloroethane	97		10.576					ND	
45 Carbon tetrachloride	117		10.838					ND	
46 Isooctane	57		11.282					ND	
47 Benzene	78		11.336					ND	
48 1,2-Dichloroethane	62		11.539					ND	
49 n-Heptane	43		11.700					ND	
* 50 1,4-Difluorobenzene	114	12.235	12.235	0.000	93	1618970	10.0	10.0	
52 n-Butanol	56		12.689					ND	
53 Trichloroethene	95		12.727					ND	
A 51 GRO	1	13.198	(4.687-21.708)		0	4805876		0	
54 1,2-Dichloropropane	63		13.326					ND	
55 Methyl methacrylate	69		13.508					ND	
56 1,4-Dioxane	88		13.567					ND	
57 Dibromomethane	174		13.599					ND	
58 Dichlorobromomethane	83		13.909					ND	
60 cis-1,3-Dichloropropene	75		14.894					ND	
A 59 TVOC as Toluene	92	15.105	(3.034-27.176)		0	5115380		0	
61 4-Methyl-2-pentanone (MIBK	43		15.204					ND	
65 Toluene	92		15.498					ND	
64 n-Octane	43		15.557					ND	
66 trans-1,3-Dichloropropene	75		16.145					ND	
67 1,1,2-Trichloroethane	83		16.541					ND	
68 Tetrachloroethene	166		16.632					ND	
69 2-Hexanone	43		17.023					ND	
71 Chlorodibromomethane	129		17.338					ND	
72 Ethylene Dibromide	107		17.622					ND	
* 74 Chlorobenzene-d5	117	18.563	18.569	-0.006	85	1449252	10.0	10.0	
75 Chlorobenzene	112		18.628					ND	
76 Ethylbenzene	91		18.788					ND	
77 n-Nonane	57		18.927					ND	
78 m-Xylene & p-Xylene	106		19.061					ND	Ua
S 73 Xylenes, Total	106		19.600					ND	
79 o-Xylene	106		19.954					ND	
80 Styrene	104		20.013					ND	
81 Bromoform	173		20.484					ND	
82 Isopropylbenzene	105		20.714					ND	
84 1,1,2,2-Tetrachloroethane	83		21.442					ND	
85 N-Propylbenzene	91		21.500					ND	
86 1,2,3-Trichloropropane	75		21.543					ND	
87 n-Decane	57		21.698					ND	
88 4-Ethyltoluene	105		21.709					ND	
89 2-Chlorotoluene	91		21.714					ND	
90 1,3,5-Trimethylbenzene	105		21.827					ND	
91 Alpha Methyl Styrene	118		22.217					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
92 tert-Butylbenzene	119		22.346					ND	
93 1,2,4-Trimethylbenzene	105		22.447					ND	
94 sec-Butylbenzene	105		22.688					ND	
95 4-Isopropyltoluene	119		22.902					ND	
96 1,3-Dichlorobenzene	146		22.929					ND	
97 1,4-Dichlorobenzene	146		23.073					ND	Ua
98 Benzyl chloride	91		23.287					ND	Ua
100 n-Butylbenzene	91		23.501					ND	
99 Undecane	57		23.528					ND	
101 1,2-Dichlorobenzene	146		23.624					ND	MUa
102 Dodecane	57		25.154					ND	
103 1,2,4-Trichlorobenzene	180		26.187					ND	Ua
104 Hexachlorobutadiene	225		26.374					ND	
105 Naphthalene	128		26.684					ND	MU
106 1,2,3-Trichlorobenzene	180		27.166					ND	MUa
T 15 Methyl Acetate TIC	43		0.000					ND	
T 36 Methyl cyclohexane TIC	55		0.000					ND	
T 70 1,2-Dibromo-3-Chloropropan	75		0.000					ND	
T 109 1,3-Dichloropropane TIC	1		0.000					ND	
T 108 1,1,1,2-Tetrachloroethane	1		0.000					ND	
T 107 Methyl acetylene TIC	1		0.000					ND	
T 118 Chlorotrifluoroethene TIC	1		0.000					ND	
T 119 Difluoroethane TIC	1		0.000					ND	
T 120 Freon 115 TIC	1		0.000					ND	
T 121 1,1,1-Trifluoro-2,2-dichlo	1		0.000					ND	

QC Flag Legend

Review Flags

M - Manually Integrated

U - Marked Undetected

a - User Assigned ID

Reagents:

ATTO15XISs_00002 Amount Added: 20.00 Units: mL Run Reagent

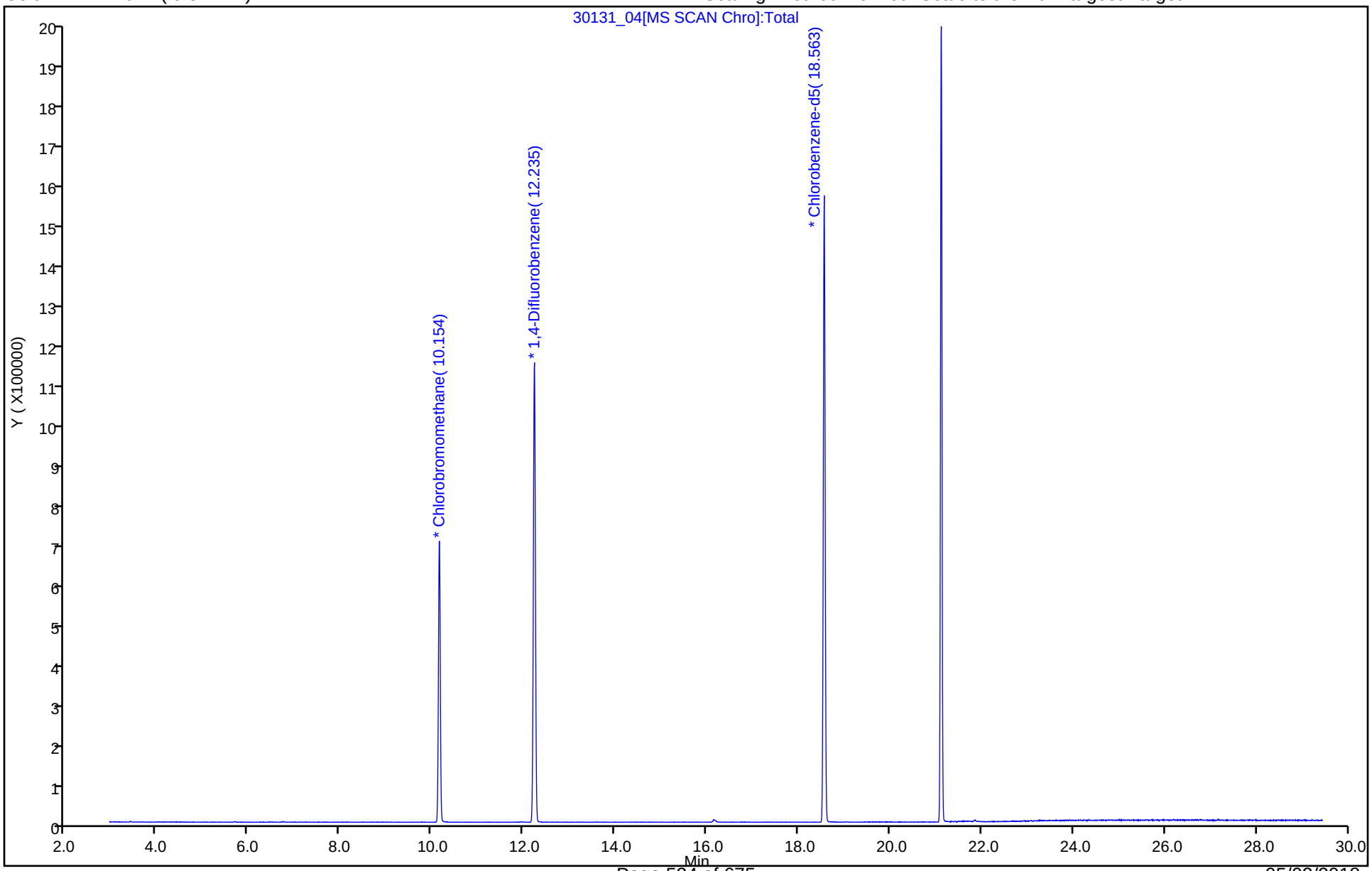
Report Date: 18-Apr-2018 12:42:05 Chrom Revision: 2.2 13-Mar-2018 08:45:20

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180417-30131.b\30131_04.D

Injection Date:	17-Apr-2018 11:39:30	Instrument ID:	CHX.i	Operator ID:	PAD
Lims ID:	mb			Worklist Smp#:	4
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



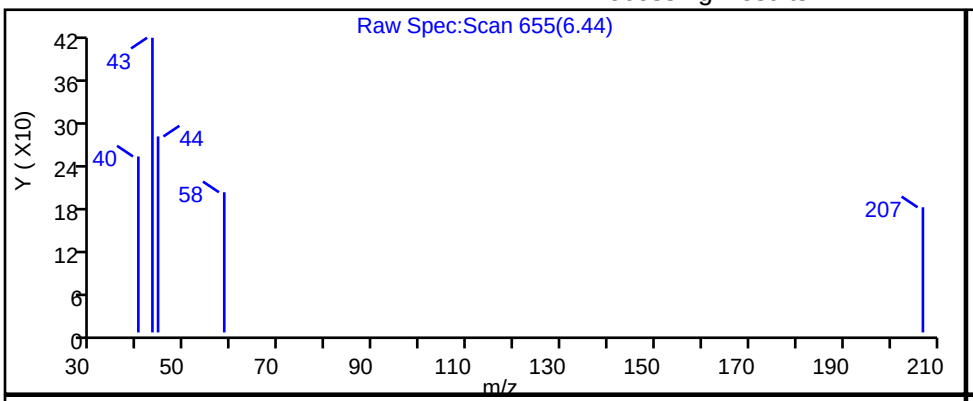
User Disabled Compound Report

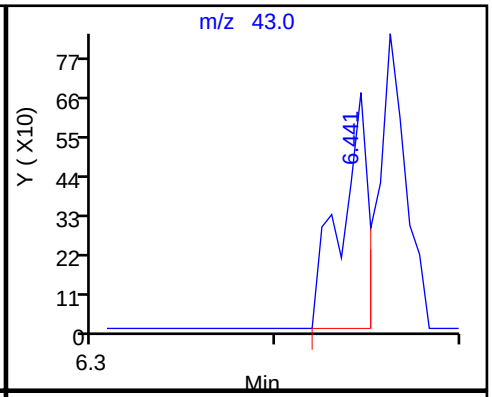
TestAmerica Burlington

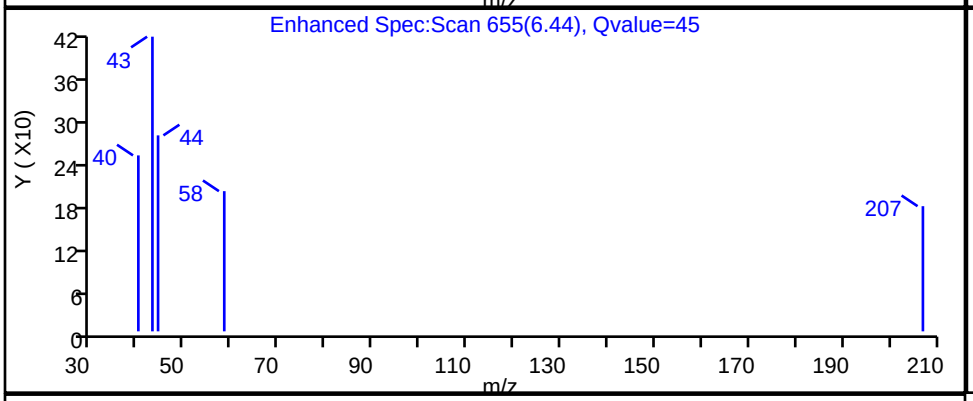
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20180417-30131.b\30131_04.D				
Injection Date:	17-Apr-2018 11:39:30	Instrument ID:	CHX.i		
Lims ID:	mb				
Client ID:					
Operator ID:	PAD	ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

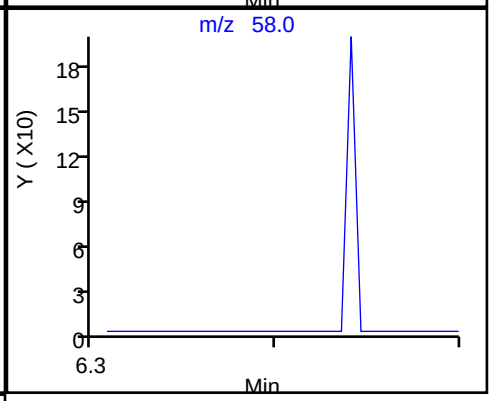
22 Acetone, CAS: 67-64-1

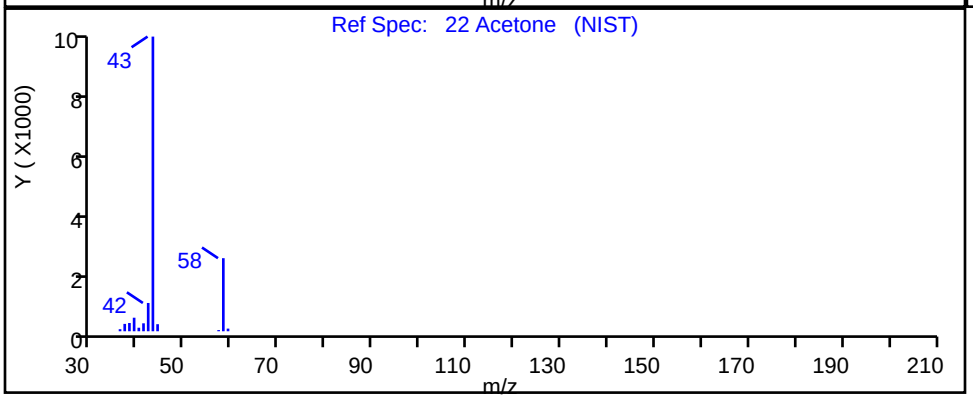
Processing Results











RT	Mass	Response	Amount
6.44	43.00	695	0.018205
6.44	58.00	0	

Reviewer: bunmaa, 18-Apr-2018 12:42:04

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

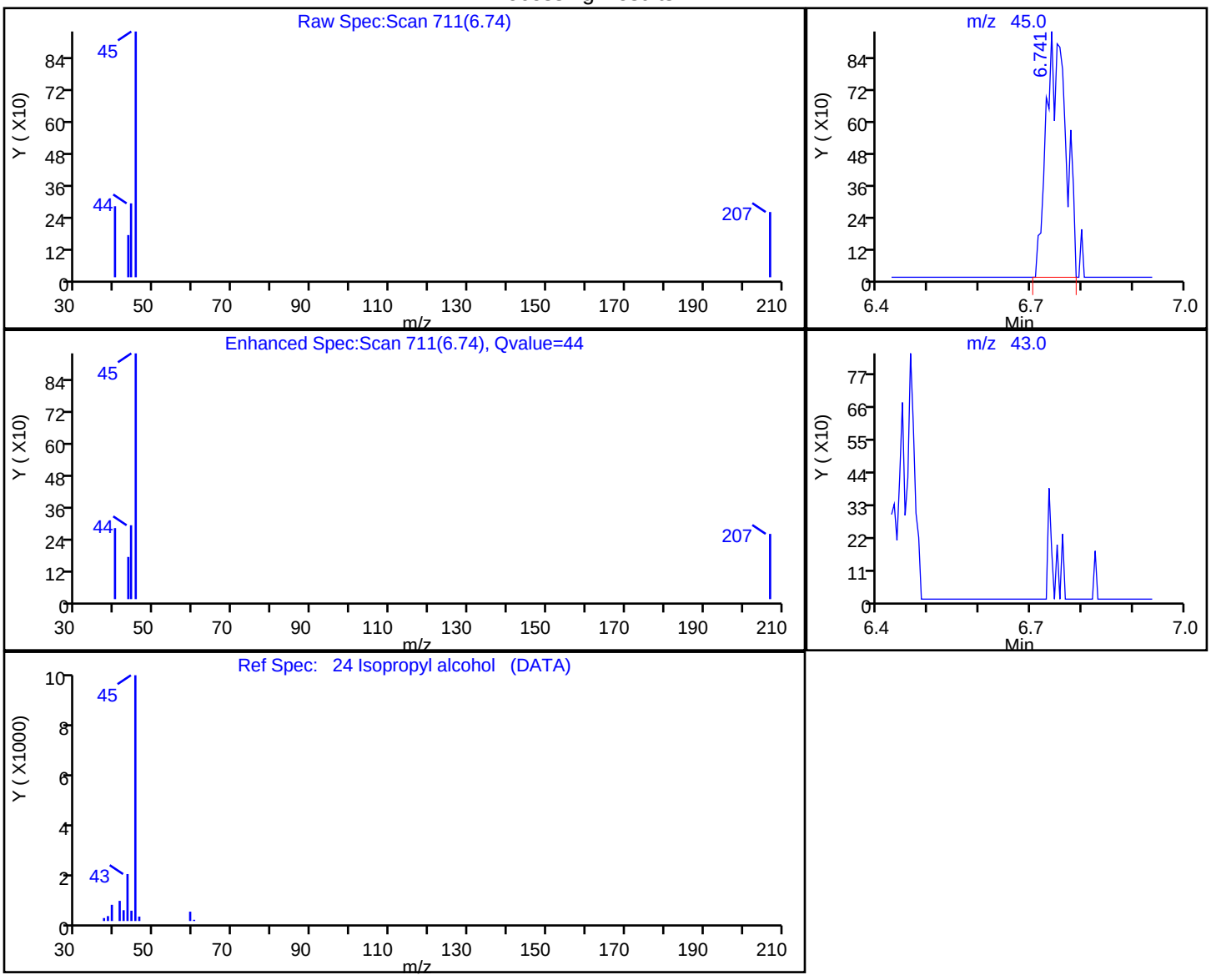
User Disabled Compound Report

TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20180417-30131.b\30131_04.D				
Injection Date:	17-Apr-2018 11:39:30	Instrument ID:	CHX.i		
Lims ID:	mb				
Client ID:					
Operator ID:	PAD	ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

24 Isopropyl alcohol, CAS: 67-63-0

Processing Results



RT	Mass	Response	Amount
6.74	45.00	2519	0.064949
6.74	43.00	0	

Reviewer: bunmaa, 18-Apr-2018 12:42:04

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

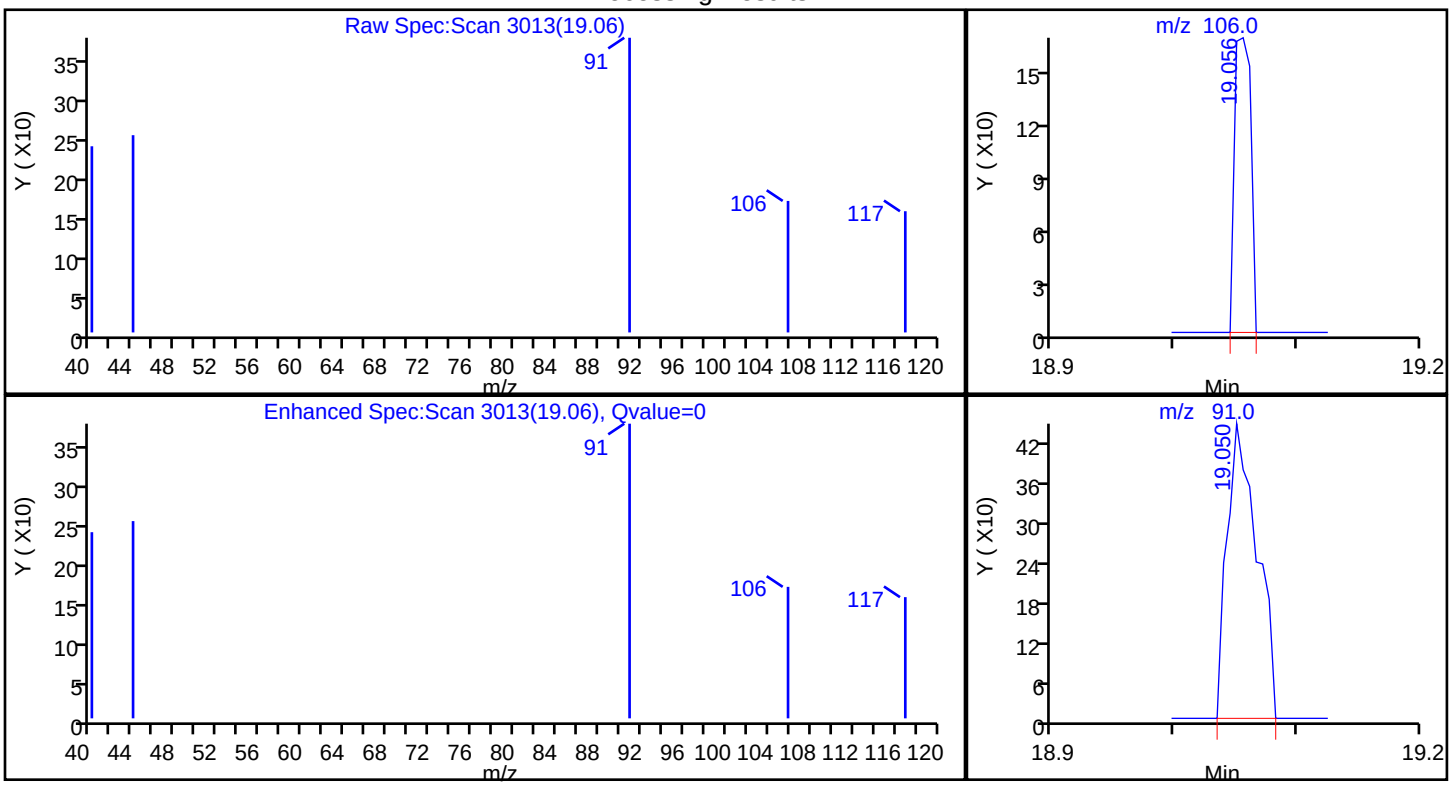
User Disabled Compound Report

TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20180417-30131.b\30131_04.D				
Injection Date:	17-Apr-2018 11:39:30	Instrument ID:	CHX.i		
Lims ID:	mb				
Client ID:					
Operator ID:	PAD	ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

78 m-Xylene & p-Xylene, CAS: 179601-23-1

Processing Results



RT	Mass	Response	Amount
19.06	106.00	154	0.002252
19.05	91.00	752	

Reviewer: bunmaa, 18-Apr-2018 12:42:04

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

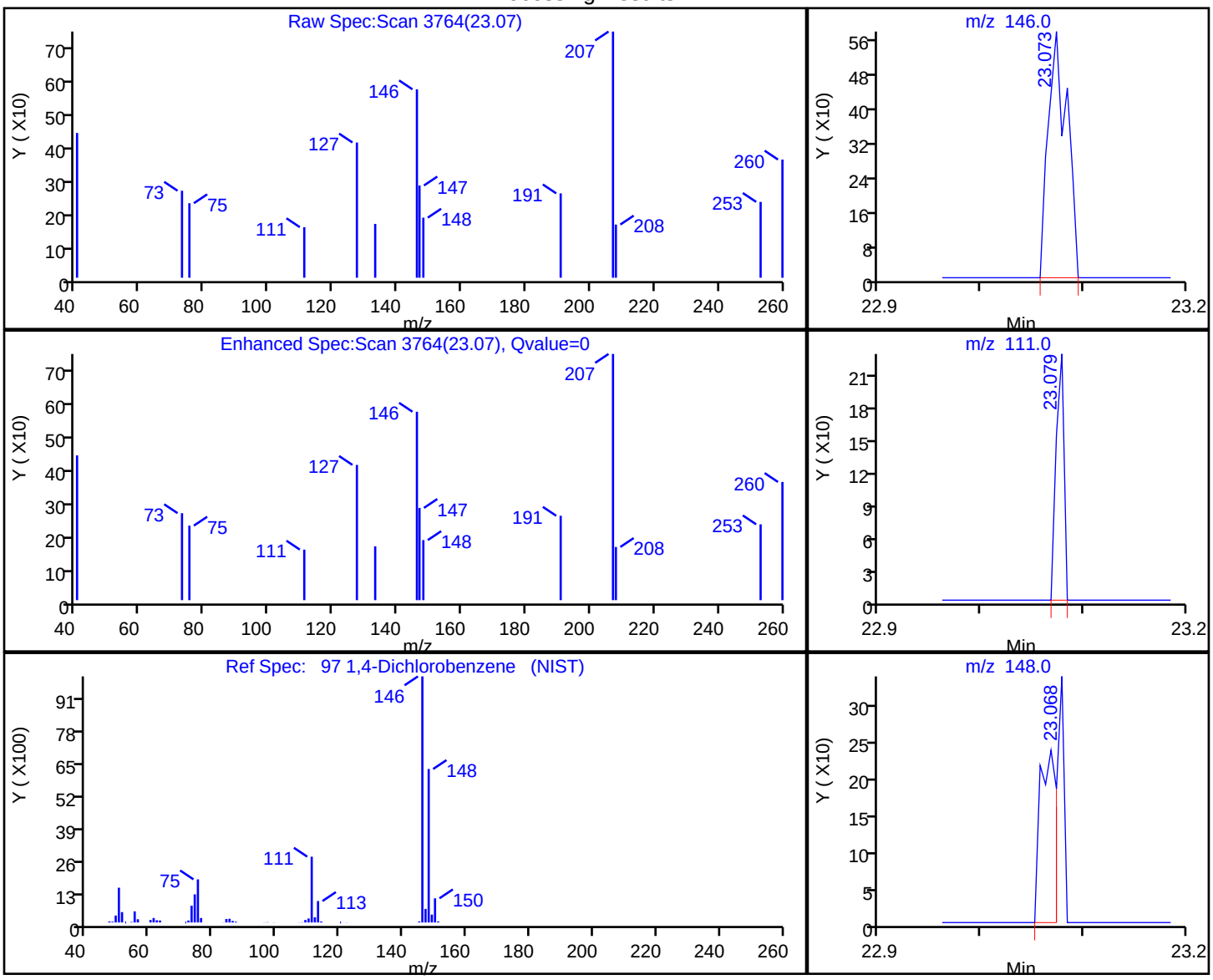
User Disabled Compound Report

TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20180417-30131.b\30131_04.D				
Injection Date:	17-Apr-2018 11:39:30	Instrument ID:	CHX.i		
Lims ID:	mb				
Client ID:					
Operator ID:	PAD	ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

97 1,4-Dichlorobenzene, CAS: 106-46-7

Processing Results



RT	Mass	Response	Amount
23.07	146.00	738	0.005814
23.08	111.00	123	
23.07	148.00	264	

Reviewer: bunmaa, 18-Apr-2018 12:42:04

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

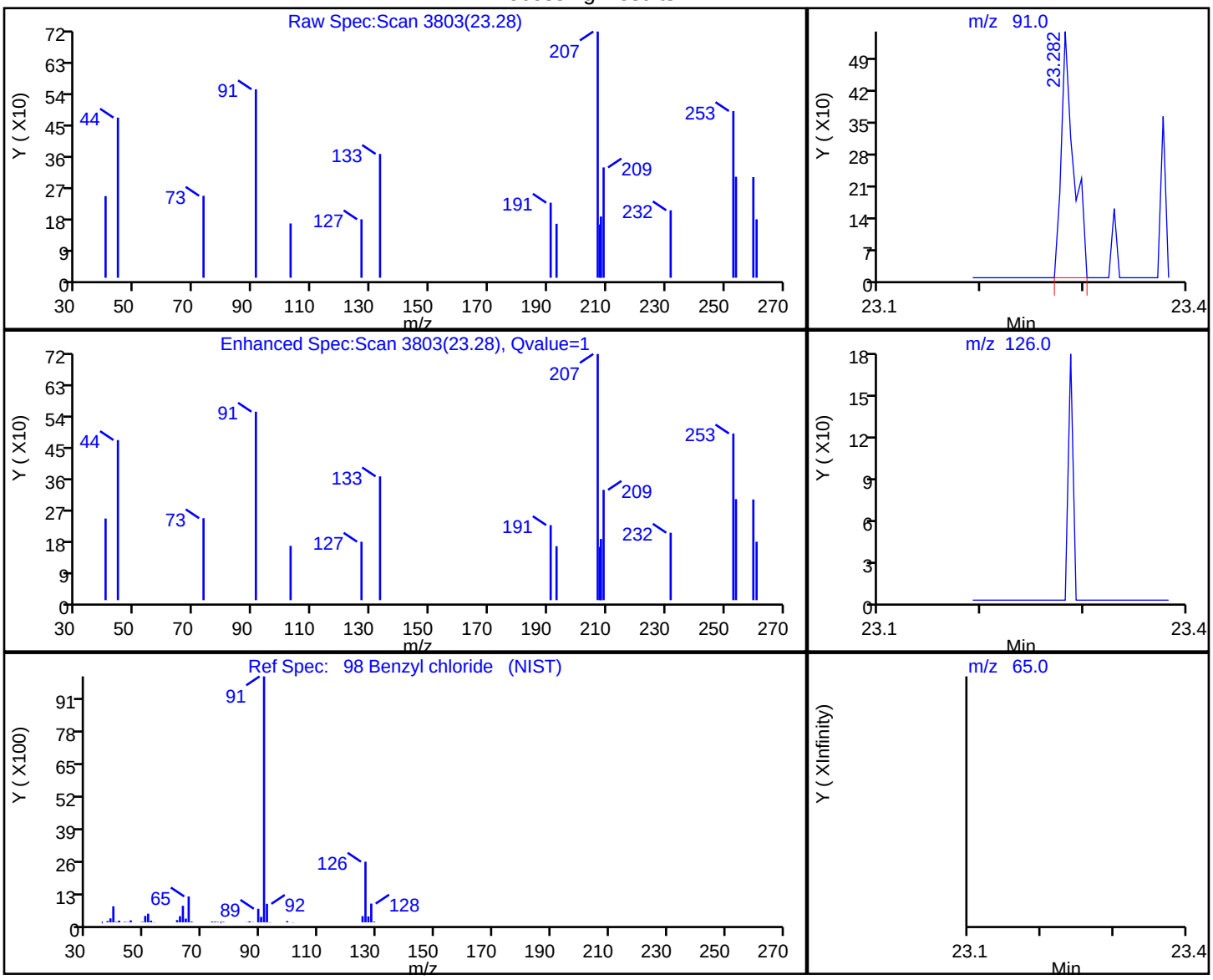
User Disabled Compound Report

TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20180417-30131.b\30131_04.D				
Injection Date:	17-Apr-2018 11:39:30	Instrument ID:	CHX.i		
Lims ID:	mb				
Client ID:					
Operator ID:	PAD	ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

98 Benzyl chloride, CAS: 100-44-7

Processing Results



RT	Mass	Response	Amount
23.28	91.00	460	0.003487
23.28	126.00	0	
23.28	65.00	0	

Reviewer: bunmaa, 18-Apr-2018 12:42:04

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

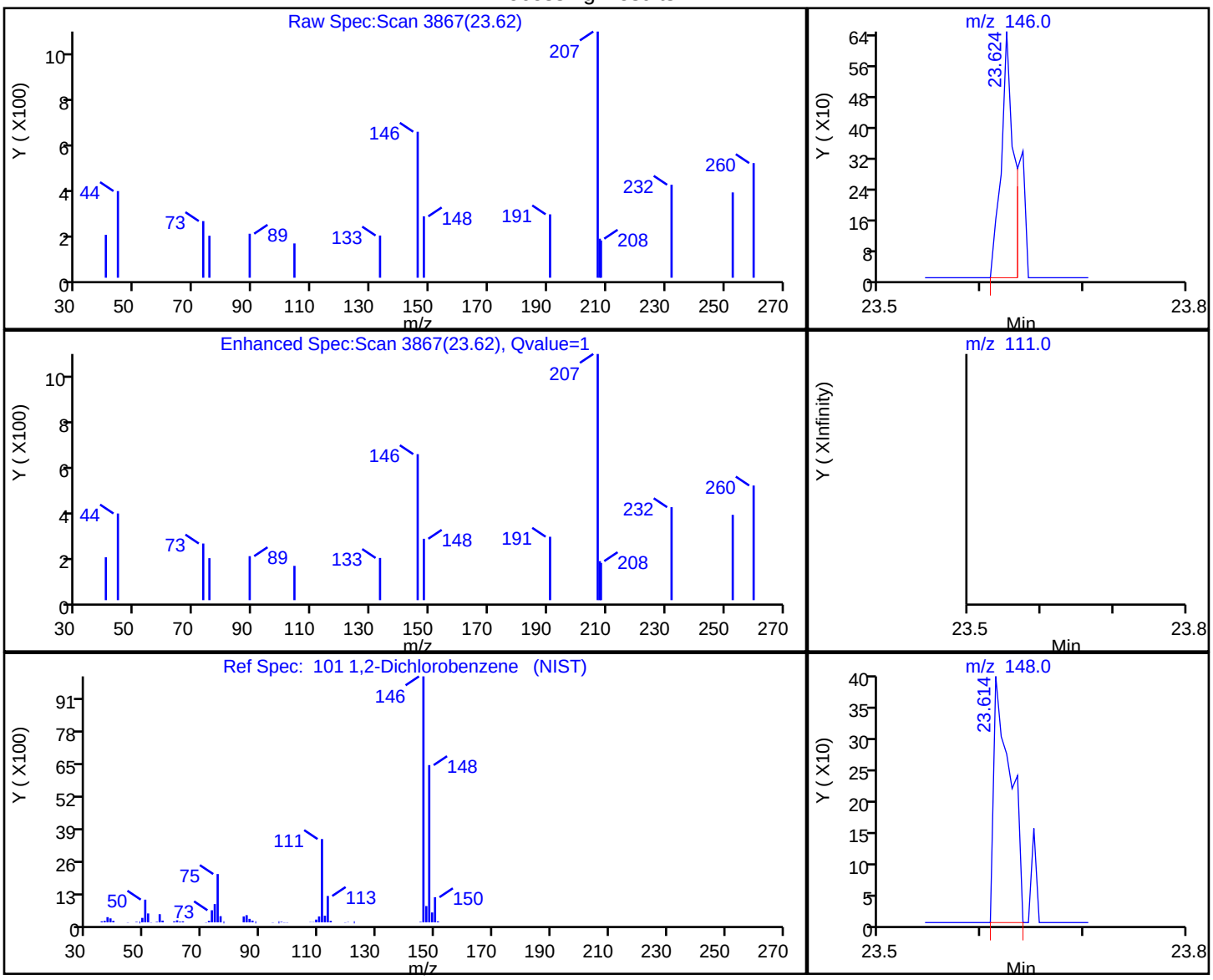
User Disabled Compound Report

TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20180417-30131.b\30131_04.D				
Injection Date:	17-Apr-2018 11:39:30	Instrument ID:	CHX.i		
Lims ID:	mb				
Client ID:					
Operator ID:	PAD	ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

101 1,2-Dichlorobenzene, CAS: 95-50-1

Processing Results



RT	Mass	Response	Amount
23.62	146.00	547	0.004669
23.62	111.00	0	
23.61	148.00	456	

Reviewer: bunmaa, 18-Apr-2018 12:42:04

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

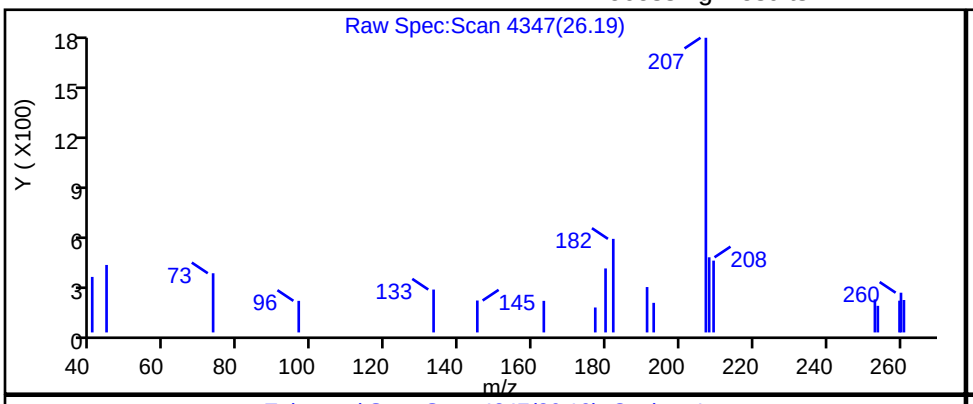
User Disabled Compound Report

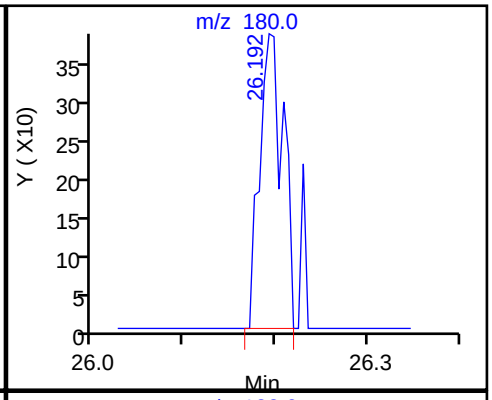
TestAmerica Burlington

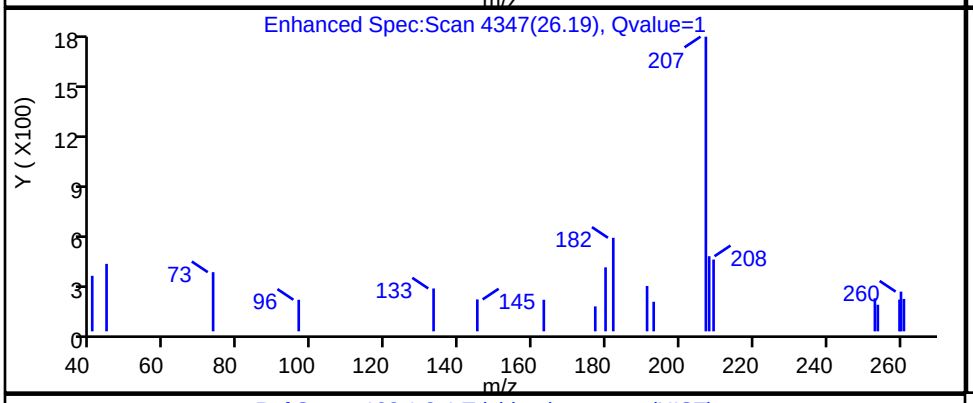
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20180417-30131.b\30131_04.D				
Injection Date:	17-Apr-2018 11:39:30	Instrument ID:	CHX.i		
Lims ID:	mb				
Client ID:					
Operator ID:	PAD	ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

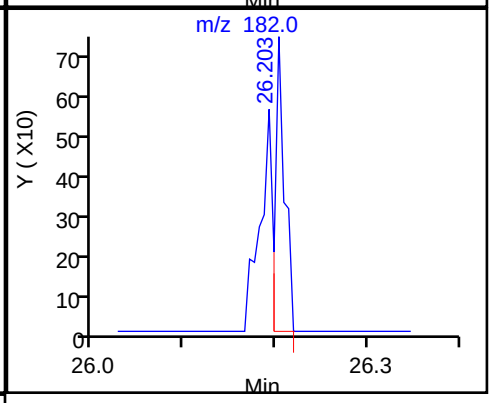
103 1,2,4-Trichlorobenzene, CAS: 120-82-1

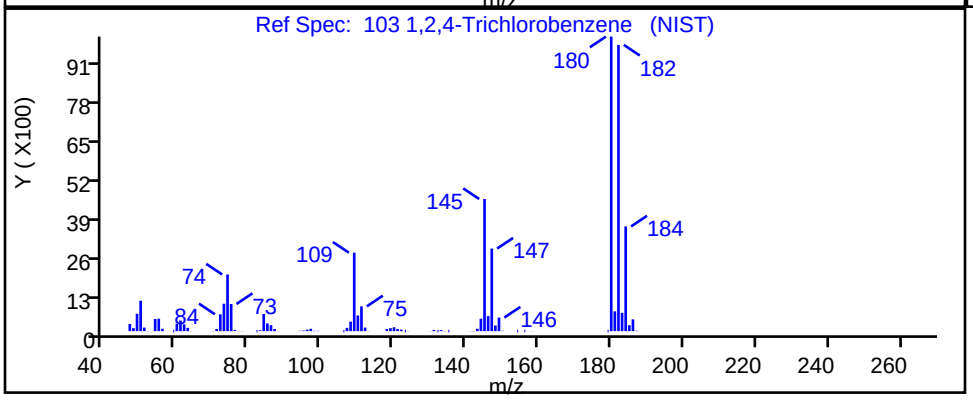
Processing Results











RT	Mass	Response	Amount
26.19	180.00	689	0.007747
26.20	182.00	509	

Reviewer: bunmaa, 18-Apr-2018 12:42:04

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

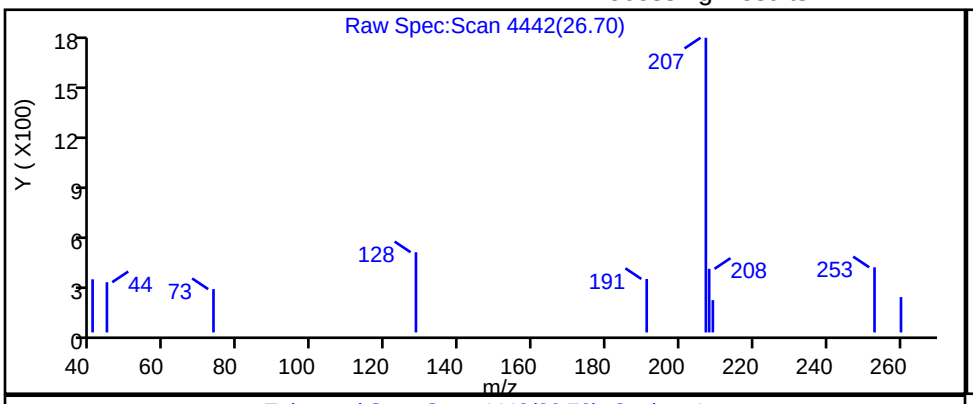
User Disabled Compound Report

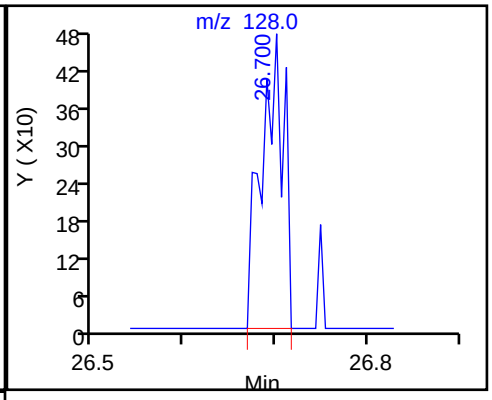
TestAmerica Burlington

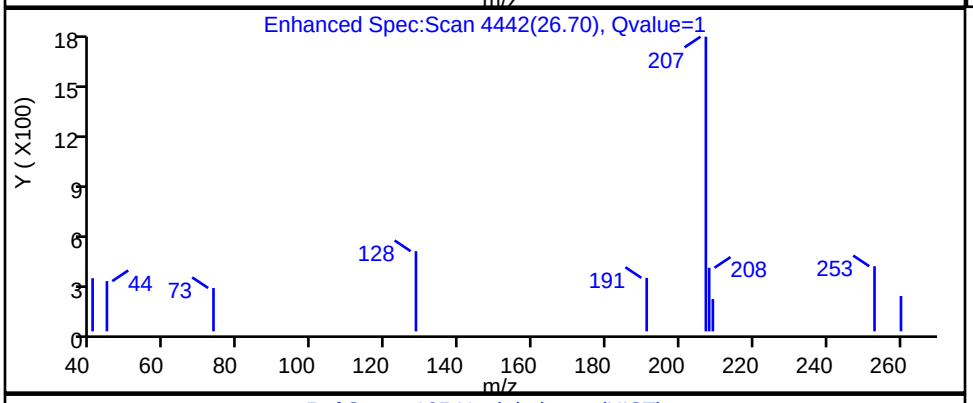
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20180417-30131.b\30131_04.D				
Injection Date:	17-Apr-2018 11:39:30	Instrument ID:	CHX.i		
Lims ID:	mb				
Client ID:					
Operator ID:	PAD	ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

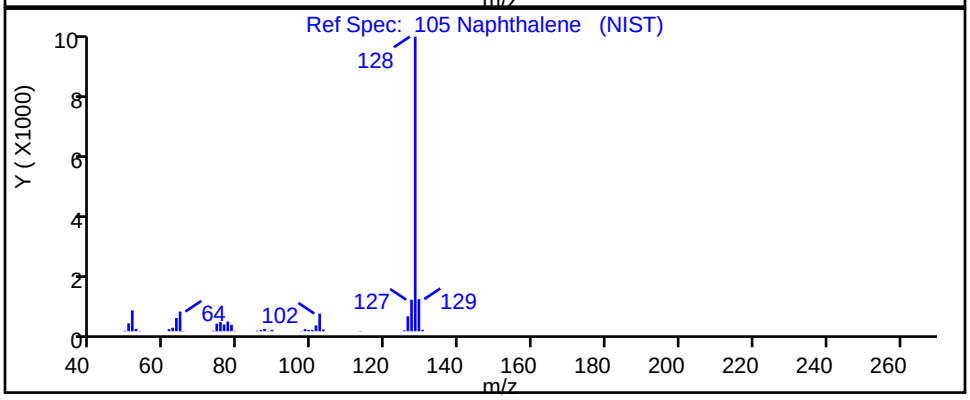
105 Naphthalene, CAS: 91-20-3

Processing Results









RT	Mass	Response	Amount
26.70	128.00	803	0.004411

Reviewer: bunmaa, 18-Apr-2018 12:42:04

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-43091-1

SDG No.: 200-43091-1

Client Sample ID: Lab Sample ID: MB 200-128592/4

Matrix: Air Lab File ID: 30158-04.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 04/18/2018 12:37

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 128592 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	0.50	U	0.50	0.20
75-45-6	Chlorodifluoromethane	86.47	0.50	U	0.50	0.26
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.20	U	0.20	0.068
74-87-3	Chloromethane	50.49	0.50	U	0.50	0.25
106-97-8	n-Butane	58.12	0.50	U	0.50	0.31
75-01-4	Vinyl chloride	62.50	0.035	U	0.035	0.041
106-99-0	1,3-Butadiene	54.09	0.20	U	0.20	0.065
74-83-9	Bromomethane	94.94	0.20	U	0.20	0.062
75-00-3	Chloroethane	64.52	0.50	U	0.50	0.21
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.20	U	0.20	0.056
75-69-4	Trichlorofluoromethane	137.37	0.20	U	0.20	0.062
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	0.20	U	0.20	0.031
75-35-4	1,1-Dichloroethene	96.94	0.035	U	0.035	0.034
67-64-1	Acetone	58.08	5.0	U	5.0	2.6
67-63-0	Isopropyl alcohol	60.10	5.0	U	5.0	1.8
75-15-0	Carbon disulfide	76.14	0.50	U	0.50	0.12
107-05-1	3-Chloropropene	76.53	0.50	U	0.50	0.27
75-09-2	Methylene Chloride	84.93	0.50	U	0.50	0.20
75-65-0	tert-Butyl alcohol	74.12	5.0	U	5.0	1.5
1634-04-4	Methyl tert-butyl ether	88.15	0.20	U	0.20	0.061
156-60-5	trans-1,2-Dichloroethene	96.94	0.20	U	0.20	0.074
110-54-3	n-Hexane	86.17	0.20	U	0.20	0.16
75-34-3	1,1-Dichloroethane	98.96	0.20	U	0.20	0.026
78-93-3	Methyl Ethyl Ketone (2-Butanone)	72.11	0.50	U	0.50	0.20
156-59-2	cis-1,2-Dichloroethene	96.94	0.035	U	0.035	0.037
67-66-3	Chloroform	119.38	0.20	U	0.20	0.052
109-99-9	Tetrahydrofuran	72.11	5.0	U	5.0	2.6
71-55-6	1,1,1-Trichloroethane	133.41	0.20	U	0.20	0.068
110-82-7	Cyclohexane	84.16	0.20	U	0.20	0.063
56-23-5	Carbon tetrachloride	153.81	0.035	U	0.035	0.024
540-84-1	2,2,4-Trimethylpentane	114.23	0.20	U	0.20	0.088
71-43-2	Benzene	78.11	0.20	U	0.20	0.071
107-06-2	1,2-Dichloroethane	98.96	0.20	U	0.20	0.063

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-43091-1

SDG No.: 200-43091-1

Client Sample ID: Lab Sample ID: MB 200-128592/4

Matrix: Air Lab File ID: 30158-04.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 04/18/2018 12:37

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 128592 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
142-82-5	n-Heptane	100.21	0.20	U	0.20	0.14
79-01-6	Trichloroethene	131.39	0.035	U	0.035	0.030
80-62-6	Methyl methacrylate	100.12	0.50	U	0.50	0.22
78-87-5	1,2-Dichloropropane	112.99	0.20	U	0.20	0.12
123-91-1	1,4-Dioxane	88.11	5.0	U	5.0	1.3
75-27-4	Bromodichloromethane	163.83	0.20	U	0.20	0.094
10061-01-5	cis-1,3-Dichloropropene	110.97	0.20	U	0.20	0.098
108-10-1	4-Methyl-2-pentanone (Methyl isobutyl ketone)	100.16	0.50	U	0.50	0.36
108-88-3	Toluene	92.14	0.20	U	0.20	0.069
10061-02-6	trans-1,3-Dichloropropene	110.97	0.20	U	0.20	0.12
79-00-5	1,1,2-Trichloroethane	133.41	0.20	U	0.20	0.078
127-18-4	Tetrachloroethene	165.83	0.20	U	0.20	0.029
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.50	U	0.50	0.42
124-48-1	Dibromochloromethane	208.29	0.20	U	0.20	0.071
106-93-4	1,2-Dibromoethane	187.87	0.20	U	0.20	0.069
108-90-7	Chlorobenzene	112.56	0.20	U	0.20	0.040
100-41-4	Ethylbenzene	106.17	0.20	U	0.20	0.073
179601-23-1	m,p-Xylene	106.17	0.50	U	0.50	0.070
95-47-6	o-Xylene	106.17	0.20	U	0.20	0.071
100-42-5	Styrene	104.15	0.20	U	0.20	0.086
75-25-2	Bromoform	252.75	0.20	U	0.20	0.086
98-82-8	Cumene	120.19	0.20	U	0.20	0.059
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.20	U	0.20	0.076
103-65-1	n-Propylbenzene	120.19	0.20	U	0.20	0.069
622-96-8	4-Ethyltoluene	120.20	0.20	U	0.20	0.069
108-67-8	1,3,5-Trimethylbenzene	120.20	0.20	U	0.20	0.058
95-49-8	2-Chlorotoluene	126.59	0.20	U	0.20	0.071
98-06-6	tert-Butylbenzene	134.22	0.20	U	0.20	0.058
95-63-6	1,2,4-Trimethylbenzene	120.20	0.20	U	0.20	0.080
135-98-8	sec-Butylbenzene	134.22	0.20	U	0.20	0.066
99-87-6	4-Isopropyltoluene	134.22	0.20	U	0.20	0.075
541-73-1	1,3-Dichlorobenzene	147.00	0.20	U	0.20	0.082
106-46-7	1,4-Dichlorobenzene	147.00	0.20	U	0.20	0.065

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-43091-1

SDG No.: 200-43091-1

Client Sample ID: Lab Sample ID: MB 200-128592/4

Matrix: Air Lab File ID: 30158-04.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 04/18/2018 12:37

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 128592 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
100-44-7	Benzyl chloride	126.58	0.20	U	0.20	0.12
104-51-8	n-Butylbenzene	134.22	0.20	U	0.20	0.080
95-50-1	1,2-Dichlorobenzene	147.00	0.20	U	0.20	0.071
120-82-1	1,2,4-Trichlorobenzene	181.45	0.50	U	0.50	0.24
87-68-3	Hexachlorobutadiene	260.76	0.20	U	0.20	0.082
91-20-3	Naphthalene	128.17	0.50	U	0.50	0.31

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-43091-1

SDG No.: 200-43091-1

Client Sample ID: | Lab Sample ID: MB 200-128592/4

Matrix: Air | Lab File ID: 30158-04.D

Analysis Method: TO-15 | Date Collected:

Sample wt/vol: 200(mL) | Date Analyzed: 04/18/2018 12:37

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 128592 | Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	2.5	U	2.5	0.99
75-45-6	Chlorodifluoromethane	86.47	1.8	U	1.8	0.92
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.4	U	1.4	0.48
74-87-3	Chloromethane	50.49	1.0	U	1.0	0.52
106-97-8	n-Butane	58.12	1.2	U	1.2	0.74
75-01-4	Vinyl chloride	62.50	0.089	U	0.089	0.10
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44	0.14
74-83-9	Bromomethane	94.94	0.78	U	0.78	0.24
75-00-3	Chloroethane	64.52	1.3	U	1.3	0.55
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.87	U	0.87	0.24
75-69-4	Trichlorofluoromethane	137.37	1.1	U	1.1	0.35
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	1.5	U	1.5	0.24
75-35-4	1,1-Dichloroethene	96.94	0.14	U	0.14	0.13
67-64-1	Acetone	58.08	12	U	12	6.2
67-63-0	Isopropyl alcohol	60.10	12	U	12	4.4
75-15-0	Carbon disulfide	76.14	1.6	U	1.6	0.37
107-05-1	3-Chloropropene	76.53	1.6	U	1.6	0.85
75-09-2	Methylene Chloride	84.93	1.7	U	1.7	0.69
75-65-0	tert-Butyl alcohol	74.12	15	U	15	4.5
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72	0.22
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79	0.29
110-54-3	n-Hexane	86.17	0.70	U	0.70	0.56
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81	0.11
78-93-3	Methyl Ethyl Ketone (2-Butanone)	72.11	1.5	U	1.5	0.59
156-59-2	cis-1,2-Dichloroethene	96.94	0.14	U	0.14	0.15
67-66-3	Chloroform	119.38	0.98	U	0.98	0.25
109-99-9	Tetrahydrofuran	72.11	15	U	15	7.7
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1	0.37
110-82-7	Cyclohexane	84.16	0.69	U	0.69	0.22
56-23-5	Carbon tetrachloride	153.81	0.22	U	0.22	0.15
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93	0.41
71-43-2	Benzene	78.11	0.64	U	0.64	0.23
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81	0.25

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-43091-1

SDG No.: 200-43091-1

Client Sample ID: | Lab Sample ID: MB 200-128592/4

Matrix: Air | Lab File ID: 30158-04.D

Analysis Method: TO-15 | Date Collected:

Sample wt/vol: 200(mL) | Date Analyzed: 04/18/2018 12:37

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 128592 | Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
142-82-5	n-Heptane	100.21	0.82	U	0.82	0.57
79-01-6	Trichloroethene	131.39	0.19	U	0.19	0.16
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0	0.90
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92	0.55
123-91-1	1,4-Dioxane	88.11	18	U	18	4.7
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3	0.63
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91	0.44
108-10-1	4-Methyl-2-pentanone (Methyl isobutyl ketone)	100.16	2.0	U	2.0	1.5
108-88-3	Toluene	92.14	0.75	U	0.75	0.26
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91	0.54
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1	0.43
127-18-4	Tetrachloroethene	165.83	1.4	U	1.4	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0	1.7
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7	0.60
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5	0.53
108-90-7	Chlorobenzene	112.56	0.92	U	0.92	0.18
100-41-4	Ethylbenzene	106.17	0.87	U	0.87	0.32
179601-23-1	m,p-Xylene	106.17	2.2	U	2.2	0.30
95-47-6	o-Xylene	106.17	0.87	U	0.87	0.31
100-42-5	Styrene	104.15	0.85	U	0.85	0.37
75-25-2	Bromoform	252.75	2.1	U	2.1	0.89
98-82-8	Cumene	120.19	0.98	U	0.98	0.29
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4	0.52
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98	0.34
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98	0.34
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98	0.29
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0	0.37
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1	0.32
95-63-6	1,2,4-Trimethylbenzene	120.20	0.98	U	0.98	0.39
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1	0.36
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1	0.41
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2	0.49
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2	0.39

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-43091-1

SDG No.: 200-43091-1

Client Sample ID: Lab Sample ID: MB 200-128592/4

Matrix: Air Lab File ID: 30158-04.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 04/18/2018 12:37

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 128592 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
100-44-7	Benzyl chloride	126.58	1.0	U	1.0	0.62
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1	0.44
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2	0.43
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7	1.8
87-68-3	Hexachlorobutadiene	260.76	2.1	U	2.1	0.87
91-20-3	Naphthalene	128.17	2.6	U	2.6	1.6

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180418-30158.b\30158-04.D
Lims ID: mb
Client ID:
Sample Type: MB
Inject. Date: 18-Apr-2018 12:37:30 ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0030158-004
Operator ID: pad Instrument ID: CHB.i

Method: \\ChromNA\Burlington\ChromData\CHB.i\20180418-30158.b\TO15_LLNJ_TO3.m
Limit Group: AI_TO15_ICAL
Last Update: 19-Apr-2018 11:06:55 Calib Date: 06-Apr-2018 10:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHB.i\20180405-29969.b\29969-21.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK027

First Level Reviewer: puangmaleek Date: 19-Apr-2018 11:06:55

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41		3.135					ND	
2 Dichlorodifluoromethane	85		3.188					ND	
3 Chlorodifluoromethane	51		3.225					ND	
4 1,2-Dichloro-1,1,2,2-tetra	85		3.407					ND	
5 Chloromethane	50		3.529					ND	
6 Butane	43		3.706					ND	
7 Vinyl chloride	62		3.743					ND	
8 Butadiene	54		3.807					ND	
10 Bromomethane	94		4.469					ND	
11 Chloroethane	64		4.693					ND	
12 2-Methylbutane	43		4.778					ND	
13 Vinyl bromide	106		5.104					ND	
14 Trichlorofluoromethane	101		5.205					ND	
15 Pentane	43	5.355	5.344	0.011	96	6452		0.0854	
16 Ethanol	45		5.659					ND	
17 Ethyl ether	59		5.814					ND	
18 Acrolein	56		6.177					ND	
19 1,1,2-Trichloro-1,2,2-trif	101		6.235					ND	
20 1,1-Dichloroethene	96		6.299					ND	
21 Acetone	43		6.449					ND	
22 Isopropyl alcohol	45		6.668					ND	
23 Carbon disulfide	76		6.732					ND	
24 3-Chloro-1-propene	41		6.998					ND	
26 Acetonitrile	41		7.052					ND	
T 25 Methyl Acetate TIC	43		7.200					ND	
27 Methylene Chloride	49		7.260					ND	
28 2-Methyl-2-propanol	59		7.367					ND	
29 Methyl tert-butyl ether	73		7.607					ND	
30 trans-1,2-Dichloroethene	61		7.666					ND	
31 Acrylonitrile	53		7.735					ND	
32 Hexane	57	8.002	8.002	0.000	87	7928		0.0971	
33 1,1-Dichloroethane	63		8.407					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
34 Vinyl acetate	43		8.413					ND	
36 2-Butanone (MEK)	72		9.299					ND	
35 Ethyl acetate	88		9.309					ND	
37 cis-1,2-Dichloroethene	96		9.315					ND	
* 39 Chlorobromomethane	128	9.678	9.678	0.000	84	447560	10.0	10.0	
38 Tetrahydrofuran	42		9.694					ND	
40 Chloroform	83		9.752					ND	
S 41 1,2-Dichloroethene, Total	61		10.000					ND	
42 1,1,1-Trichloroethane	97		10.014					ND	
43 Cyclohexane	84		10.030					ND	
44 Carbon tetrachloride	117		10.222					ND	
45 Isooctane	57		10.505					ND	
46 Benzene	78		10.542					ND	
47 1,2-Dichloroethane	62		10.644					ND	
48 n-Heptane	43		10.756					ND	
A 49 GRO	1	10.852	(4.768-16.935)		0	6070590		0	
* 50 1,4-Difluorobenzene	114	11.087	11.087	0.000	94	2026321	10.0	10.0	
51 n-Butanol	56		11.268					ND	
53 Trichloroethene	95		11.455					ND	
T 52 Methyl cyclohexane TIC	55		11.500					ND	
54 1,2-Dichloropropane	63		11.823					ND	
55 Methyl methacrylate	69		11.860					ND	
56 1,4-Dioxane	88		11.951					ND	
57 Dibromomethane	174		12.010					ND	
58 Dichlorobromomethane	83		12.181					ND	
A 59 TVOC as Toluene	1	12.474	(3.125-21.824)		0	6375047		0	
60 cis-1,3-Dichloropropene	75		12.810					ND	
61 4-Methyl-2-pentanone (MIBK	43		12.954					ND	
63 n-Octane	43		13.232					ND	
64 Toluene	92		13.243					ND	Ua
66 trans-1,3-Dichloropropene	75		13.600					ND	
67 1,1,2-Trichloroethane	83		13.872					ND	
68 Tetrachloroethene	166		14.017					ND	
69 2-Hexanone	43		14.134					ND	
70 Chlorodibromomethane	129		14.427					ND	
71 Ethylene Dibromide	107		14.630					ND	
* 72 Chlorobenzene-d5	117	15.196	15.196	0.000	84	1745842	10.0	10.0	
73 Chlorobenzene	112		15.233					ND	
74 Ethylbenzene	91	15.308	15.308	0.005	51	7360		0.0297	7a
75 n-Nonane	57		15.329					ND	
76 m-Xylene & p-Xylene	106		15.452					ND	
78 o-Xylene	106		15.964					ND	
79 Styrene	104		15.986					ND	
S 77 Xylenes, Total	106		16.000					ND	
80 Bromoform	173		16.279					ND	
81 Isopropylbenzene	105		16.375					ND	
83 1,1,2,2-Tetrachloroethane	83		16.781					ND	
84 N-Propylbenzene	91		16.856					ND	
85 1,2,3-Trichloropropane	75		16.866					ND	U
86 n-Decane	57		16.925					ND	
87 4-Ethyltoluene	105		16.978					ND	
88 2-Chlorotoluene	91		17.021					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 1,3,5-Trimethylbenzene	105		17.048					ND	
90 Alpha Methyl Styrene	118		17.320					ND	
91 tert-Butylbenzene	119		17.421					ND	
92 1,2,4-Trimethylbenzene	105		17.491					ND	
93 sec-Butylbenzene	105		17.678					ND	
94 4-Isopropyltoluene	119		17.832					ND	
95 1,3-Dichlorobenzene	146		17.912					ND	
96 1,4-Dichlorobenzene	146		18.019					ND	
97 Benzyl chloride	91		18.169					ND	
98 Undecane	57		18.302					ND	
99 n-Butylbenzene	91		18.339					ND	
100 1,2-Dichlorobenzene	146		18.505					ND	
T 101 1,2-Dibromo-3-Chloropropan	75		19.300					ND	
102 Dodecane	57		19.754					ND	
103 1,2,4-Trichlorobenzene	180		20.858					ND	
104 Hexachlorobutadiene	225		21.029					ND	
105 Naphthalene	128		21.339					ND	
106 1,2,3-Trichlorobenzene	180		21.814					ND	
T 107 Methyl acetylene TIC	1		0.000					ND	
T 108 1,1,1,2-Tetrachloroethane	1		0.000					ND	
T 117 Chlorotrifluoroethene TIC	1		0.000					ND	
T 118 Difluoroethane TIC	1		0.000					ND	
T 119 Freon 115 TIC	1		0.000					ND	
T 120 1,1,1-Trifluoro-2,2-dichlo	1		0.000					ND	
T 121 1,3-Dichloropropane TIC	1		0.000					ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

a - User Assigned ID

Reagents:

ATTO15BISs_00006 Amount Added: 20.00 Units: mL Run Reagent

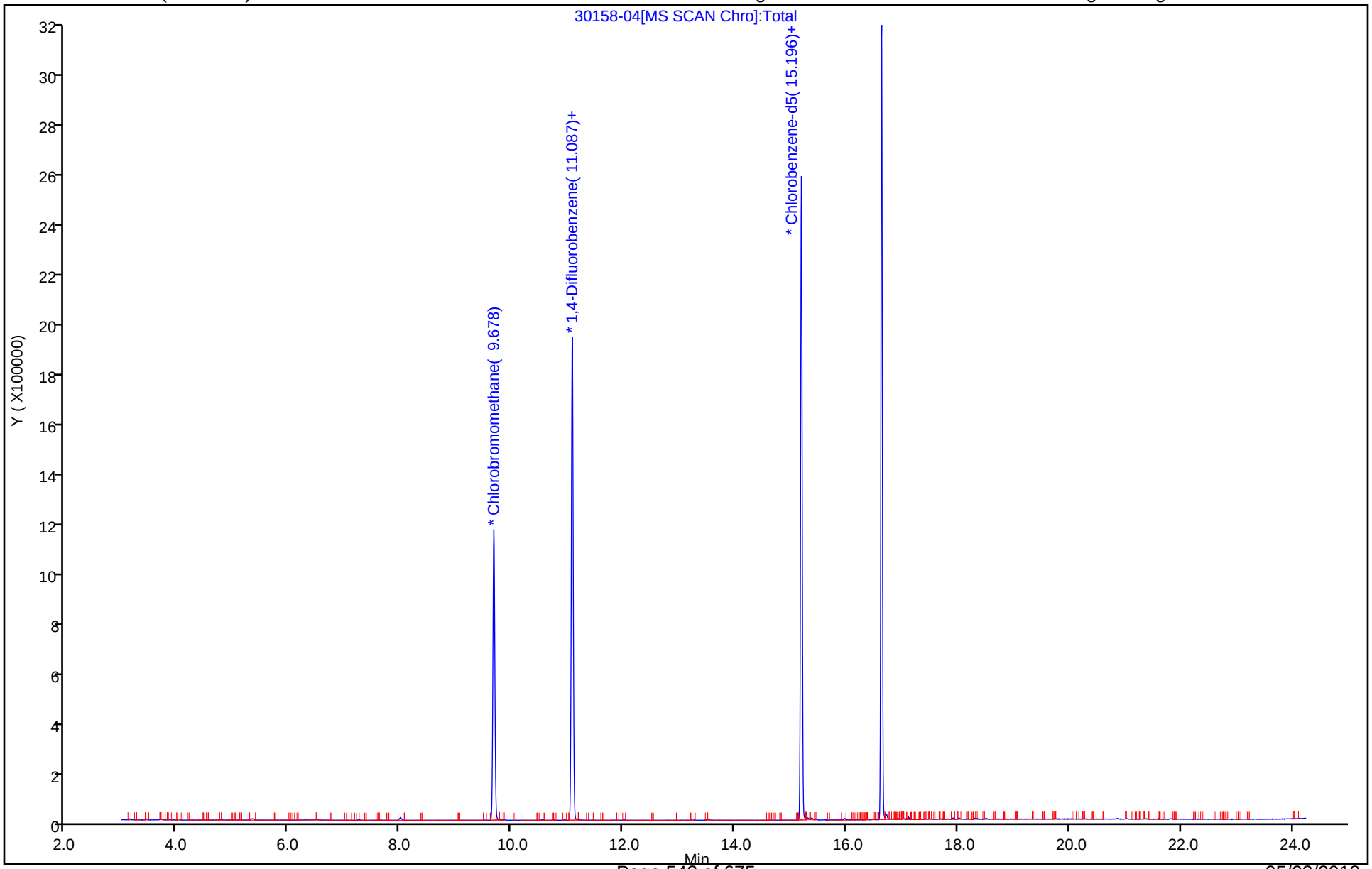
Report Date: 19-Apr-2018 11:06:55 Chrom Revision: 2.2 13-Mar-2018 08:45:20

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180418-30158.b\30158-04.D

Injection Date:	18-Apr-2018 12:37:30	Instrument ID:	CHB.i	Operator ID:	pad
Lims ID:	mb			Worklist Smp#:	4
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



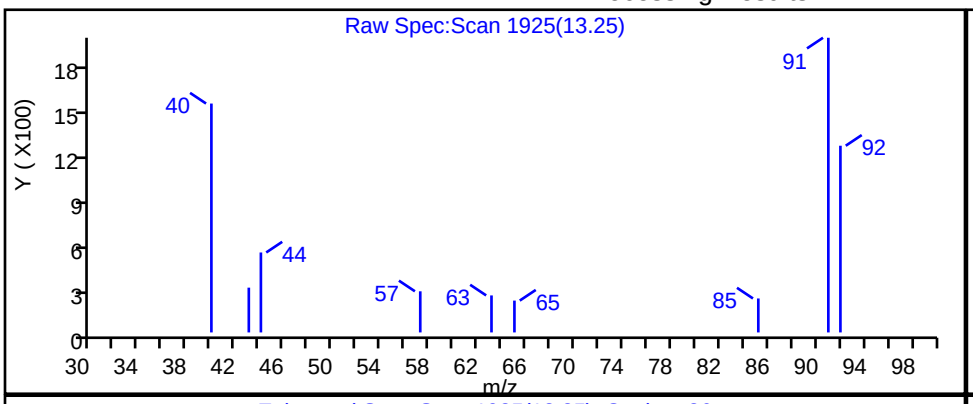
User Disabled Compound Report

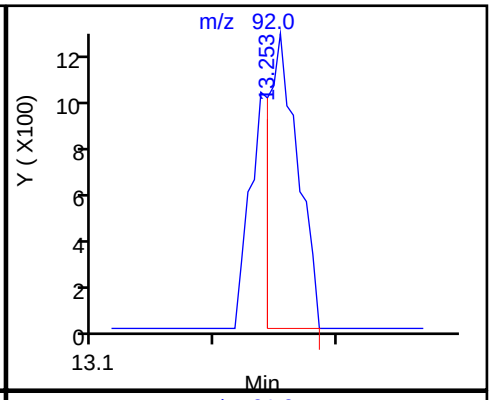
TestAmerica Burlington

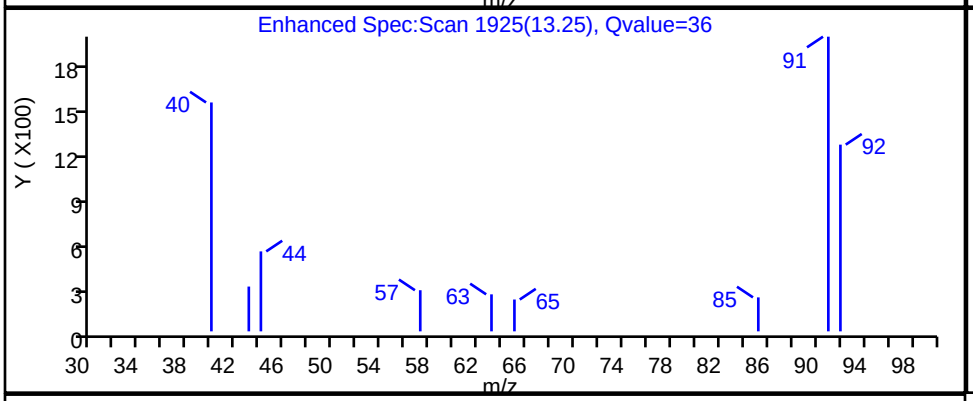
Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180418-30158.b\30158-04.D				
Injection Date:	18-Apr-2018 12:37:30	Instrument ID:	CHB.i		
Lims ID:	mb				
Client ID:					
Operator ID:	pad	ALS Bottle#:	4	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

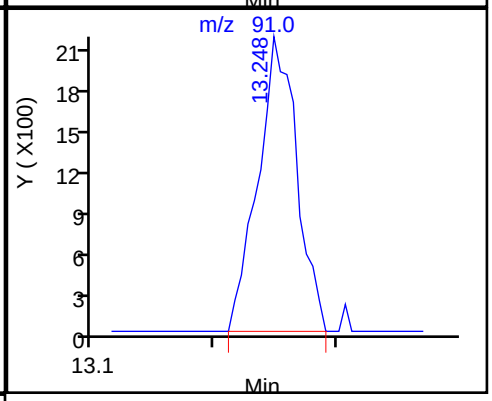
64 Toluene, CAS: 108-88-3

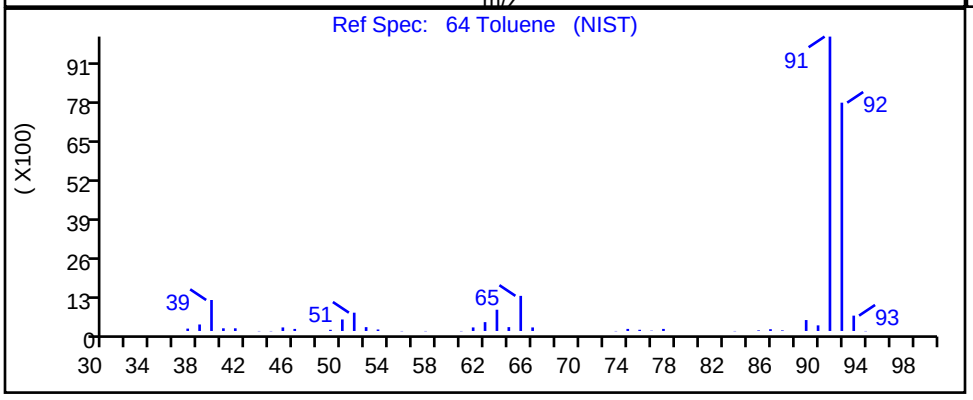
Processing Results











RT	Mass	Response	Amount
13.25	92.00	2053	0.017203
13.25	91.00	4863	

Reviewer: puangmaleek, 19-Apr-2018 11:06:55

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

TestAmerica Burlington

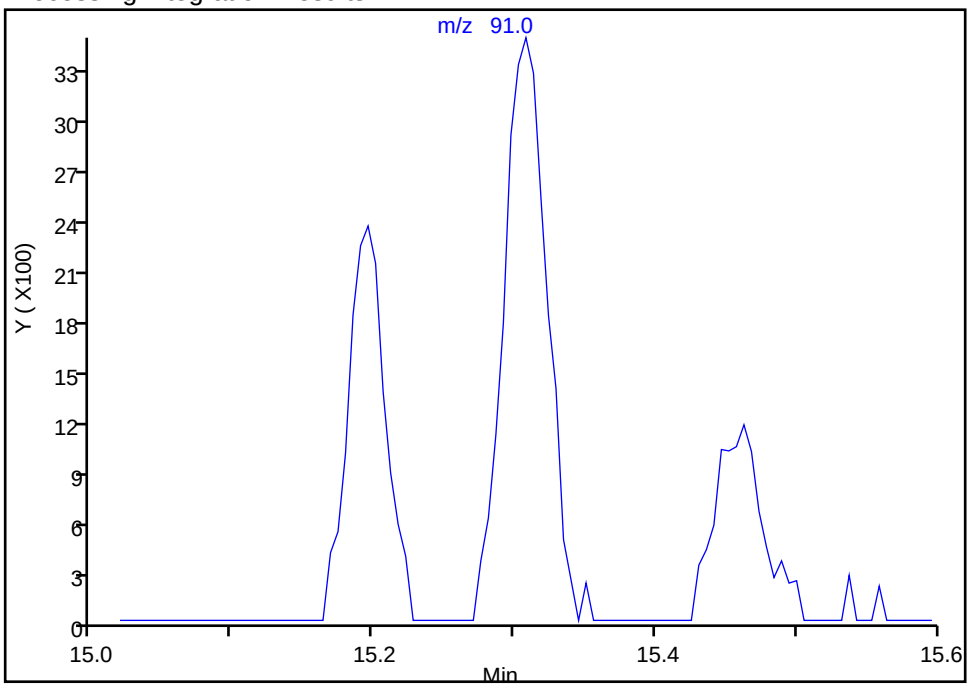
Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180418-30158.b\30158-04.D				
Injection Date:	18-Apr-2018 12:37:30	Instrument ID:	CHB.i		
Lims ID:	mb				
Client ID:					
Operator ID:	pad	ALS Bottle#:	4	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

74 Ethylbenzene, CAS: 100-41-4

Signal: 1

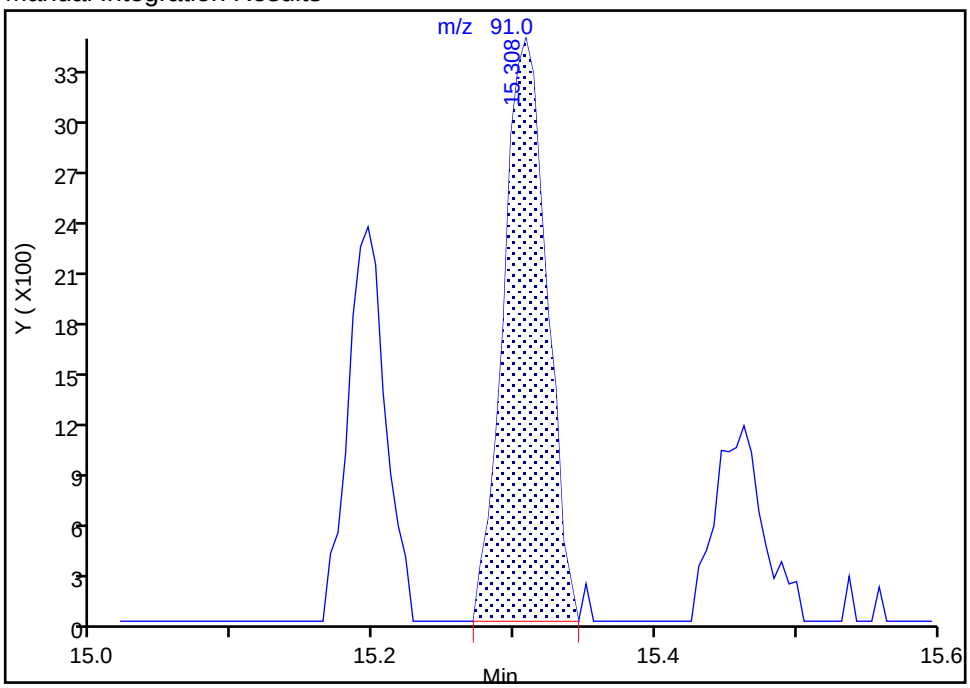
Not Detected
Expected RT: 15.30

Processing Integration Results



Manual Integration Results

RT: 15.31
Area: 7360
Amount: 0.029700
Amount Units: ppb v/v



Reviewer: puangmaleek, 19-Apr-2018 11:06:32
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-43091-1

SDG No.: 200-43091-1

Client Sample ID: Lab Sample ID: LCS 200-128485/3

Matrix: Air Lab File ID: 30117-03.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 04/16/2018 11:11

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 128485 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	9.13		0.50	0.20
75-45-6	Chlorodifluoromethane	86.47	9.51		0.50	0.26
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	9.87		0.20	0.068
74-87-3	Chloromethane	50.49	9.24		0.50	0.25
106-97-8	n-Butane	58.12	9.53		0.50	0.31
75-01-4	Vinyl chloride	62.50	8.27		0.035	0.041
106-99-0	1,3-Butadiene	54.09	8.38		0.20	0.065
74-83-9	Bromomethane	94.94	8.85		0.20	0.062
75-00-3	Chloroethane	64.52	9.24		0.50	0.21
593-60-2	Bromoethene(Vinyl Bromide)	106.96	8.69		0.20	0.056
75-69-4	Trichlorofluoromethane	137.37	8.61		0.20	0.062
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	8.80		0.20	0.031
75-35-4	1,1-Dichloroethene	96.94	8.15		0.035	0.034
67-64-1	Acetone	58.08	10.6		5.0	2.6
67-63-0	Isopropyl alcohol	60.10	9.20		5.0	1.8
75-15-0	Carbon disulfide	76.14	10.6		0.50	0.12
107-05-1	3-Chloropropene	76.53	9.77		0.50	0.27
75-09-2	Methylene Chloride	84.93	9.39		0.50	0.20
75-65-0	tert-Butyl alcohol	74.12	9.42		5.0	1.5
1634-04-4	Methyl tert-butyl ether	88.15	9.06		0.20	0.061
156-60-5	trans-1,2-Dichloroethene	96.94	9.60		0.20	0.074
110-54-3	n-Hexane	86.17	8.98		0.20	0.16
75-34-3	1,1-Dichloroethane	98.96	8.64		0.20	0.026
78-93-3	Methyl Ethyl Ketone (2-Butanone)	72.11	9.50		0.50	0.20
156-59-2	cis-1,2-Dichloroethene	96.94	8.16		0.035	0.037
67-66-3	Chloroform	119.38	8.84		0.20	0.052
109-99-9	Tetrahydrofuran	72.11	10.3		5.0	2.6
71-55-6	1,1,1-Trichloroethane	133.41	8.75		0.20	0.068
110-82-7	Cyclohexane	84.16	8.92		0.20	0.063
56-23-5	Carbon tetrachloride	153.81	8.51		0.035	0.024
540-84-1	2,2,4-Trimethylpentane	114.23	8.95		0.20	0.088
71-43-2	Benzene	78.11	8.54		0.20	0.071
107-06-2	1,2-Dichloroethane	98.96	8.89		0.20	0.063

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-43091-1

SDG No.: 200-43091-1

Client Sample ID: Lab Sample ID: LCS 200-128485/3

Matrix: Air Lab File ID: 30117-03.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 04/16/2018 11:11

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 128485 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
142-82-5	n-Heptane	100.21	8.97		0.20	0.14
79-01-6	Trichloroethene	131.39	8.23		0.035	0.030
80-62-6	Methyl methacrylate	100.12	9.35		0.50	0.22
78-87-5	1,2-Dichloropropane	112.99	8.77		0.20	0.12
123-91-1	1,4-Dioxane	88.11	8.93		5.0	1.3
75-27-4	Bromodichloromethane	163.83	8.83		0.20	0.094
10061-01-5	cis-1,3-Dichloropropene	110.97	8.98		0.20	0.098
108-10-1	4-Methyl-2-pentanone (Methyl isobutyl ketone)	100.16	9.33		0.50	0.36
108-88-3	Toluene	92.14	8.65		0.20	0.069
10061-02-6	trans-1,3-Dichloropropene	110.97	9.08		0.20	0.12
79-00-5	1,1,2-Trichloroethane	133.41	8.96		0.20	0.078
127-18-4	Tetrachloroethene	165.83	8.08		0.20	0.029
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	9.24		0.50	0.42
124-48-1	Dibromochloromethane	208.29	8.97		0.20	0.071
106-93-4	1,2-Dibromoethane	187.87	8.85		0.20	0.069
108-90-7	Chlorobenzene	112.56	8.69		0.20	0.040
100-41-4	Ethylbenzene	106.17	8.63		0.20	0.073
179601-23-1	m,p-Xylene	106.17	17.4		0.50	0.070
95-47-6	o-Xylene	106.17	8.47		0.20	0.071
100-42-5	Styrene	104.15	8.73		0.20	0.086
75-25-2	Bromoform	252.75	9.71		0.20	0.086
98-82-8	Cumene	120.19	8.62		0.20	0.059
79-34-5	1,1,2,2-Tetrachloroethane	167.85	8.89		0.20	0.076
103-65-1	n-Propylbenzene	120.19	8.76		0.20	0.069
622-96-8	4-Ethyltoluene	120.20	8.85		0.20	0.069
108-67-8	1,3,5-Trimethylbenzene	120.20	8.71		0.20	0.058
95-49-8	2-Chlorotoluene	126.59	8.61		0.20	0.071
98-06-6	tert-Butylbenzene	134.22	8.66		0.20	0.058
95-63-6	1,2,4-Trimethylbenzene	120.20	8.65		0.20	0.080
135-98-8	sec-Butylbenzene	134.22	8.61		0.20	0.066
99-87-6	4-Isopropyltoluene	134.22	8.48		0.20	0.075
541-73-1	1,3-Dichlorobenzene	147.00	8.45		0.20	0.082
106-46-7	1,4-Dichlorobenzene	147.00	8.43		0.20	0.065

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-43091-1

SDG No.: 200-43091-1

Client Sample ID: Lab Sample ID: LCS 200-128485/3

Matrix: Air Lab File ID: 30117-03.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 04/16/2018 11:11

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 128485 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
100-44-7	Benzyl chloride	126.58	8.45		0.20	0.12
104-51-8	n-Butylbenzene	134.22	8.28		0.20	0.080
95-50-1	1,2-Dichlorobenzene	147.00	8.39		0.20	0.071
120-82-1	1,2,4-Trichlorobenzene	181.45	7.21		0.50	0.24
87-68-3	Hexachlorobutadiene	260.76	8.04		0.20	0.082
91-20-3	Naphthalene	128.17	5.90		0.50	0.31

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-03.D
Lims ID: lcs
Client ID:
Sample Type: LCS
Inject. Date: 16-Apr-2018 11:11:30 ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0030117-003
Operator ID: pad Instrument ID: CHB.i

Method: \\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\TO15_LLNJ_TO3.m
Limit Group: AI_TO15_ICAL
Last Update: 17-Apr-2018 14:32:37 Calib Date: 06-Apr-2018 10:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHB.i\20180405-29969.b\29969-21.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK005

First Level Reviewer: phamvu Date: 17-Apr-2018 14:31:10

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	3.129	3.129	0.000	98	197004	10.0	10.3	
2 Dichlorodifluoromethane	85	3.188	3.188	0.000	98	763007	10.0	9.13	
3 Chlorodifluoromethane	51	3.225	3.220	0.005	97	420402	10.0	9.51	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.407	3.407	0.000	90	957774	10.0	9.87	
5 Chloromethane	50	3.529	3.529	0.000	98	276579	10.0	9.24	
6 Butane	43	3.705	3.706	-0.001	98	451942	10.0	9.53	
7 Vinyl chloride	62	3.737	3.738	-0.001	97	362952	10.0	8.27	
8 Butadiene	54	3.807	3.807	0.000	93	267952	10.0	8.38	
10 Bromomethane	94	4.469	4.463	0.006	100	410393	10.0	8.85	
11 Chloroethane	64	4.693	4.693	0.000	99	237049	10.0	9.24	
12 2-Methylbutane	43	4.778	4.778	0.000	93	472427	10.0	9.76	
13 Vinyl bromide	106	5.104	5.104	0.000	100	428786	10.0	8.69	
14 Trichlorofluoromethane	101	5.205	5.205	0.000	98	870902	10.0	8.61	
15 Pentane	43	5.339	5.339	0.000	96	717729	10.0	10.2	
16 Ethanol	45	5.659	5.654	0.005	99	273642	15.0	18.4	
9 BFB									
17 Ethyl ether	59	5.814	5.814	0.000	93	316627	10.0	10.2	
18 Acrolein	56	6.176	6.177	-0.001	96	157294	10.0	11.7	
19 1,1,2-Trichloro-1,2,2-trif	101	6.235	6.235	0.000	98	788570	10.0	8.80	
20 1,1-Dichloroethene	96	6.305	6.299	0.005	95	396477	10.0	8.15	
21 Acetone	43	6.449	6.443	0.006	95	529565	10.0	10.6	
22 Isopropyl alcohol	45	6.667	6.668	-0.001	100	577066	10.0	9.20	
23 Carbon disulfide	76	6.731	6.732	-0.001	98	1205410	10.0	10.6	
24 3-Chloro-1-propene	41	7.004	6.998	0.006	92	462450	10.0	9.77	
26 Acetonitrile	41	7.057	7.052	0.005	99	321928	10.0	10.7	
27 Methylene Chloride	49	7.260	7.255	0.005	90	427948	10.0	9.39	
28 2-Methyl-2-propanol	59	7.367	7.367	0.000	93	782054	10.0	9.42	
29 Methyl tert-butyl ether	73	7.607	7.607	0.000	98	1087369	10.0	9.06	
30 trans-1,2-Dichloroethene	61	7.671	7.671	0.000	96	586325	10.0	9.60	
31 Acrylonitrile	53	7.735	7.735	0.000	95	329332	10.0	9.98	
32 Hexane	57	8.002	8.002	0.000	91	681001	10.0	8.98	
33 1,1-Dichloroethane	63	8.407	8.407	0.000	99	732399	10.0	8.64	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
34 Vinyl acetate	43	8.413	8.413	0.000	99	1004660	10.0	11.2	
36 2-Butanone (MEK)	72	9.299	9.293	0.006	99	240323	10.0	9.50	
37 cis-1,2-Dichloroethene	96	9.315	9.315	0.000	95	455167	10.0	8.16	
35 Ethyl acetate	88	9.315	9.320	-0.005	94	46137	10.0	10.2	
* 39 Chlorobromomethane	128	9.683	9.683	0.000	90	415835	10.0	10.0	
38 Tetrahydrofuran	42	9.693	9.688	0.005	92	474867	10.0	10.3	
40 Chloroform	83	9.757	9.752	0.005	96	782694	10.0	8.84	
S 41 1,2-Dichloroethene, Total	61				0		20.0	17.8	
42 1,1,1-Trichloroethane	97	10.014	10.014	0.000	96	762130	10.0	8.75	
43 Cyclohexane	84	10.030	10.030	0.000	97	608561	10.0	8.92	
44 Carbon tetrachloride	117	10.222	10.222	0.000	98	769741	10.0	8.51	
45 Isooctane	57	10.505	10.505	0.000	99	2037547	10.0	8.95	
46 Benzene	78	10.547	10.542	0.005	96	1306679	10.0	8.54	
47 1,2-Dichloroethane	62	10.643	10.644	-0.001	94	446687	10.0	8.89	
48 n-Heptane	43	10.755	10.756	-0.001	89	742398	10.0	8.97	
A 49 GRO	1	10.852	(4.768-16.935)		0	168527148	10.0	0	
* 50 1,4-Difluorobenzene	114	11.086	11.087	-0.001	94	1868542	10.0	10.0	
51 n-Butanol	56	11.268	11.268	0.000	86	320303	10.0	10.3	
53 Trichloroethene	95	11.460	11.455	0.005	97	578755	10.0	8.23	
54 1,2-Dichloropropane	63	11.828	11.823	0.005	93	522608	10.0	8.77	
55 Methyl methacrylate	69	11.860	11.860	0.000	98	515041	10.0	9.35	
56 1,4-Dioxane	88	11.951	11.951	0.000	94	288108	10.0	8.93	
57 Dibromomethane	174	12.015	12.010	0.005	95	558124	10.0	8.09	
58 Dichlorobromomethane	83	12.186	12.181	0.005	99	869782	10.0	8.83	
A 59 TVOC as Toluene	1	12.471	(3.119-21.824)		0	276732657	10.0	0	
60 cis-1,3-Dichloropropene	75	12.810	12.810	0.000	88	748310	10.0	8.98	
61 4-Methyl-2-pentanone (MIBK	43	12.960	12.954	0.006	94	923331	10.0	9.33	
63 n-Octane	43	13.232	13.232	0.000	89	1030575	10.0	9.15	
64 Toluene	92	13.242	13.243	-0.001	94	973433	10.0	8.65	
66 trans-1,3-Dichloropropene	75	13.605	13.600	0.005	95	724372	10.0	9.08	
67 1,1,2-Trichloroethane	83	13.872	13.872	0.000	95	511735	10.0	8.96	
68 Tetrachloroethene	166	14.022	14.016	0.006	99	803122	10.0	8.08	
69 2-Hexanone	43	14.134	14.134	0.000	98	901373	10.0	9.24	
70 Chlorodibromomethane	129	14.433	14.427	0.006	98	913260	10.0	8.97	
71 Ethylene Dibromide	107	14.635	14.636	-0.001	98	891612	10.0	8.85	
* 72 Chlorobenzene-d5	117	15.196	15.196	0.000	84	1647266	10.0	10.0	
73 Chlorobenzene	112	15.239	15.239	-0.001	95	1276460	10.0	8.69	
74 Ethylbenzene	91	15.303	15.303	0.000	98	2018775	10.0	8.63	
75 n-Nonane	57	15.329	15.329	0.000	87	1019986	10.0	9.08	
76 m-Xylene & p-Xylene	106	15.452	15.452	0.000	0	1614949	20.0	17.4	
78 o-Xylene	106	15.964	15.964	0.000	98	811010	10.0	8.47	
79 Styrene	104	15.986	15.986	0.000	98	1281002	10.0	8.73	
S 77 Xylenes, Total	106				0		30.0	25.9	
80 Bromoform	173	16.279	16.279	0.000	97	910533	10.0	9.71	
81 Isopropylbenzene	105	16.375	16.375	0.000	96	2170757	10.0	8.62	
83 1,1,2,2-Tetrachloroethane	83	16.781	16.781	0.000	98	1270763	10.0	8.89	
84 N-Propylbenzene	91	16.856	16.856	0.000	99	2709357	10.0	8.76	
85 1,2,3-Trichloropropane	75	16.866	16.866	0.000	97	935874	10.0	9.01	
86 n-Decane	57	16.925	16.925	0.000	91	1265048	10.0	9.34	
87 4-Ethyltoluene	105	16.984	16.978	0.006	97	2236400	10.0	8.85	
88 2-Chlorotoluene	91	17.021	17.021	0.000	95	1814902	10.0	8.61	
89 1,3,5-Trimethylbenzene	105	17.048	17.048	0.000	94	1822391	10.0	8.71	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
90 Alpha Methyl Styrene	118	17.320	17.320	0.000	88	978250	10.0	8.95	
91 tert-Butylbenzene	119	17.421	17.421	0.000	94	1729525	10.0	8.66	
92 1,2,4-Trimethylbenzene	105	17.496	17.491	0.005	97	1802886	10.0	8.65	
93 sec-Butylbenzene	105	17.683	17.678	0.005	98	2654588	10.0	8.61	
94 4-Isopropyltoluene	119	17.832	17.832	0.000	97	2168964	10.0	8.48	
95 1,3-Dichlorobenzene	146	17.912	17.912	0.000	97	1321140	10.0	8.45	
96 1,4-Dichlorobenzene	146	18.019	18.019	0.000	95	1310916	10.0	8.43	
97 Benzyl chloride	91	18.168	18.169	-0.001	99	1557713	10.0	8.45	
98 Undecane	57	18.307	18.302	0.005	94	1376761	10.0	9.85	
99 n-Butylbenzene	91	18.339	18.339	0.000	98	2039572	10.0	8.28	
100 1,2-Dichlorobenzene	146	18.505	18.505	0.000	96	1239387	10.0	8.39	
102 Dodecane	57	19.754	19.754	0.000	97	1116199	10.0	8.55	
103 1,2,4-Trichlorobenzene	180	20.858	20.858	0.000	94	895653	10.0	7.21	
104 Hexachlorobutadiene	225	21.029	21.029	0.000	99	856877	10.0	8.04	
105 Naphthalene	128	21.339	21.339	0.000	98	1567373	10.0	5.90	
106 1,2,3-Trichlorobenzene	180	21.814	21.814	0.000	95	765516	10.0	6.79	

Reagents:

ATTO15LCSW_00763	Amount Added: 200.00	Units: mL	
ATTO15BISs_00006	Amount Added: 20.00	Units: mL	Run Reagent

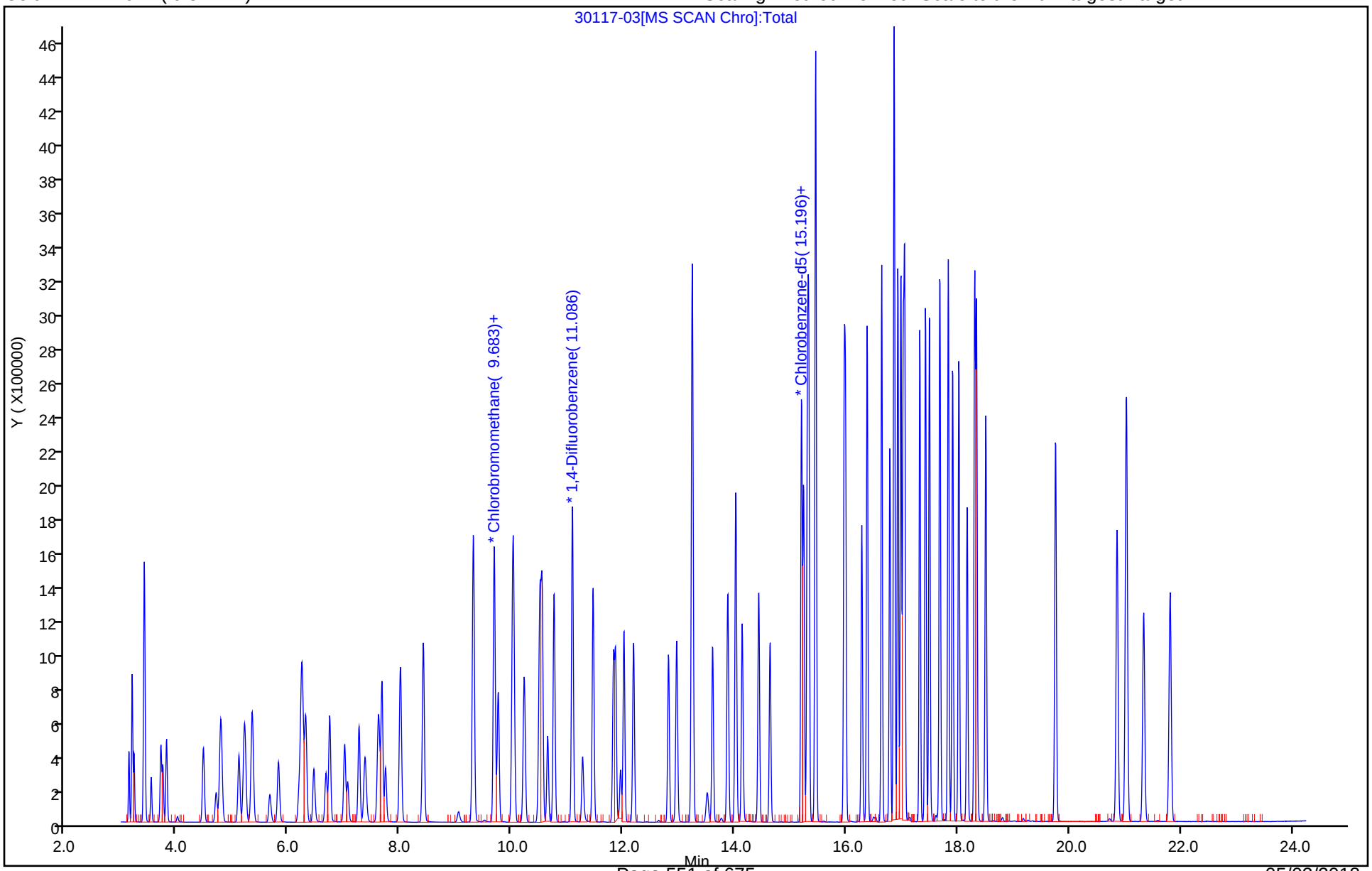
Report Date: 17-Apr-2018 14:32:45 Chrom Revision: 2.2 13-Mar-2018 08:45:20

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-03.D

Injection Date:	16-Apr-2018 11:11:30	Instrument ID:	CHB.i	Operator ID:	pad
Lims ID:	lcs			Worklist Smp#:	3
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-43091-1

SDG No.: 200-43091-1

Client Sample ID: Lab Sample ID: LCS 200-128526/3

Matrix: Air Lab File ID: 30131_03.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 04/17/2018 10:48

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 128526 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	8.77		0.50	0.20
75-45-6	Chlorodifluoromethane	86.47	10.3		0.50	0.26
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	11.4		0.20	0.068
74-87-3	Chloromethane	50.49	9.93		0.50	0.25
106-97-8	n-Butane	58.12	10.5		0.50	0.31
75-01-4	Vinyl chloride	62.50	10.1		0.035	0.041
106-99-0	1,3-Butadiene	54.09	9.87		0.20	0.065
74-83-9	Bromomethane	94.94	10.2		0.20	0.062
75-00-3	Chloroethane	64.52	10.3		0.50	0.21
593-60-2	Bromoethene(Vinyl Bromide)	106.96	10.1		0.20	0.056
75-69-4	Trichlorofluoromethane	137.37	9.77		0.20	0.062
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	10.3		0.20	0.031
75-35-4	1,1-Dichloroethene	96.94	9.89		0.035	0.034
67-64-1	Acetone	58.08	11.1		5.0	2.6
67-63-0	Isopropyl alcohol	60.10	10.0		5.0	1.8
75-15-0	Carbon disulfide	76.14	12.1		0.50	0.12
107-05-1	3-Chloropropene	76.53	11.4		0.50	0.27
75-09-2	Methylene Chloride	84.93	10.7		0.50	0.20
75-65-0	tert-Butyl alcohol	74.12	10.2		5.0	1.5
1634-04-4	Methyl tert-butyl ether	88.15	10.4		0.20	0.061
156-60-5	trans-1,2-Dichloroethene	96.94	11.0		0.20	0.074
110-54-3	n-Hexane	86.17	11.4		0.20	0.16
75-34-3	1,1-Dichloroethane	98.96	10.5		0.20	0.026
78-93-3	Methyl Ethyl Ketone (2-Butanone)	72.11	10.3		0.50	0.20
156-59-2	cis-1,2-Dichloroethene	96.94	10.4		0.035	0.037
67-66-3	Chloroform	119.38	10.2		0.20	0.052
109-99-9	Tetrahydrofuran	72.11	10.9		5.0	2.6
71-55-6	1,1,1-Trichloroethane	133.41	10.1		0.20	0.068
110-82-7	Cyclohexane	84.16	10.2		0.20	0.063
56-23-5	Carbon tetrachloride	153.81	9.82		0.035	0.024
540-84-1	2,2,4-Trimethylpentane	114.23	10.3		0.20	0.088
71-43-2	Benzene	78.11	10.2		0.20	0.071
107-06-2	1,2-Dichloroethane	98.96	10.0		0.20	0.063

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-43091-1

SDG No.: 200-43091-1

Client Sample ID: Lab Sample ID: LCS 200-128526/3

Matrix: Air Lab File ID: 30131_03.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 04/17/2018 10:48

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 128526 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
142-82-5	n-Heptane	100.21	10.4		0.20	0.14
79-01-6	Trichloroethene	131.39	9.73		0.035	0.030
80-62-6	Methyl methacrylate	100.12	10.3		0.50	0.22
78-87-5	1,2-Dichloropropane	112.99	10.3		0.20	0.12
123-91-1	1,4-Dioxane	88.11	10.0		5.0	1.3
75-27-4	Bromodichloromethane	163.83	10.2		0.20	0.094
10061-01-5	cis-1,3-Dichloropropene	110.97	10.3		0.20	0.098
108-10-1	4-Methyl-2-pentanone (Methyl isobutyl ketone)	100.16	10.1		0.50	0.36
108-88-3	Toluene	92.14	10.2		0.20	0.069
10061-02-6	trans-1,3-Dichloropropene	110.97	9.39		0.20	0.12
79-00-5	1,1,2-Trichloroethane	133.41	10.5		0.20	0.078
127-18-4	Tetrachloroethene	165.83	9.63		0.20	0.029
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	10.2		0.50	0.42
124-48-1	Dibromochloromethane	208.29	10.2		0.20	0.071
106-93-4	1,2-Dibromoethane	187.87	10.5		0.20	0.069
108-90-7	Chlorobenzene	112.56	10.2		0.20	0.040
100-41-4	Ethylbenzene	106.17	10.3		0.20	0.073
179601-23-1	m,p-Xylene	106.17	20.2		0.50	0.070
95-47-6	o-Xylene	106.17	9.89		0.20	0.071
100-42-5	Styrene	104.15	10.1		0.20	0.086
75-25-2	Bromoform	252.75	10.6		0.20	0.086
98-82-8	Cumene	120.19	9.97		0.20	0.059
79-34-5	1,1,2,2-Tetrachloroethane	167.85	10.6		0.20	0.076
103-65-1	n-Propylbenzene	120.19	10.2		0.20	0.069
622-96-8	4-Ethyltoluene	120.20	10.5		0.20	0.069
108-67-8	1,3,5-Trimethylbenzene	120.20	10.1		0.20	0.058
95-49-8	2-Chlorotoluene	126.59	10.3		0.20	0.071
98-06-6	tert-Butylbenzene	134.22	10.1		0.20	0.058
95-63-6	1,2,4-Trimethylbenzene	120.20	10.2		0.20	0.080
135-98-8	sec-Butylbenzene	134.22	10.3		0.20	0.066
99-87-6	4-Isopropyltoluene	134.22	10.3		0.20	0.075
541-73-1	1,3-Dichlorobenzene	147.00	10.1		0.20	0.082
106-46-7	1,4-Dichlorobenzene	147.00	9.99		0.20	0.065

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-43091-1

SDG No.: 200-43091-1

Client Sample ID: Lab Sample ID: LCS 200-128526/3

Matrix: Air Lab File ID: 30131_03.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 04/17/2018 10:48

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 128526 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
100-44-7	Benzyl chloride	126.58	9.58		0.20	0.12
104-51-8	n-Butylbenzene	134.22	10.4		0.20	0.080
95-50-1	1,2-Dichlorobenzene	147.00	10.1		0.20	0.071
120-82-1	1,2,4-Trichlorobenzene	181.45	8.90		0.50	0.24
87-68-3	Hexachlorobutadiene	260.76	9.18		0.20	0.082
91-20-3	Naphthalene	128.17	7.88		0.50	0.31

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180417-30131.b\30131_03.D
Lims ID: lcs
Client ID:
Sample Type: LCS
Inject. Date: 17-Apr-2018 10:48:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0030131-003
Operator ID: PAD Instrument ID: CHX.i

Method: \\ChromNA\Burlington\ChromData\CHX.i\20180417-30131.b\TO15_MasterMethod_X.m.m
Limit Group: AI_TO15_ICAL
Last Update: 18-Apr-2018 12:33:20 Calib Date: 12-Apr-2018 23:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHX.i\20180412-30075.b\30075_11.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK030

First Level Reviewer: bunmaa Date: 18-Apr-2018 12:34:16

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	3.044	3.044	0.000	98	156384	10.0	10.3	
2 Dichlorodifluoromethane	85	3.108	3.108	0.000	99	541297	10.0	8.77	
3 Chlorodifluoromethane	51	3.156	3.156	0.000	98	346654	10.0	10.3	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.354	3.354	0.000	92	690524	10.0	11.4	
5 Chloromethane	50	3.488	3.488	0.000	99	188362	10.0	9.93	
6 Butane	43	3.670	3.664	0.006	98	344788	10.0	10.5	
7 Vinyl chloride	62	3.713	3.713	0.000	98	229654	10.0	10.1	
8 Butadiene	54	3.782	3.782	0.000	97	171459	10.0	9.87	
10 Bromomethane	94	4.419	4.413	0.006	99	238297	10.0	10.2	
9 BFB									
11 Chloroethane	64	4.633	4.633	0.000	99	111137	10.0	10.3	
12 2-Methylbutane	43	4.692	4.697	-0.005	92	267501	10.0	11.3	
13 Vinyl bromide	106	5.002	4.997	0.005	99	249792	10.0	10.1	
14 Trichlorofluoromethane	101	5.093	5.088	0.005	98	655726	10.0	9.77	
16 Pentane	43	5.216	5.216	0.000	98	420025	10.0	11.8	
17 Ethanol	45	5.638	5.639	-0.001	97	141209	15.0	19.0	
18 Ethyl ether	59	5.713	5.719	-0.006	95	164673	10.0	11.9	
19 Acrolein	56	6.098	6.099	-0.001	55	64432	10.0	11.8	
20 1,1,2-Trichloro-1,2,2-trif	101	6.104	6.109	-0.005	96	480284	10.0	10.3	
21 1,1-Dichloroethene	96	6.163	6.163	0.000	98	225896	10.0	9.89	
22 Acetone	43	6.403	6.404	-0.001	99	388292	10.0	11.1	
23 Carbon disulfide	76	6.553	6.548	0.005	99	705648	10.0	12.1	
24 Isopropyl alcohol	45	6.687	6.682	0.005	100	354799	10.0	10.0	
25 3-Chloro-1-propene	41	6.938	6.928	0.010	97	264582	10.0	11.4	
26 Acetonitrile	41	7.083	7.083	0.000	99	177682	10.0	11.6	
27 Methylene Chloride	49	7.227	7.227	0.000	92	249261	10.0	10.7	
28 2-Methyl-2-propanol	59	7.457	7.452	0.005	94	488043	10.0	10.2	
29 Methyl tert-butyl ether	73	7.623	7.623	0.000	97	685876	10.0	10.4	
31 trans-1,2-Dichloroethene	61	7.661	7.661	0.000	98	350713	10.0	11.0	
32 Acrylonitrile	53	7.832	7.832	0.000	95	167397	10.0	11.4	
33 Hexane	57	8.035	8.030	0.005	93	363465	10.0	11.4	
34 1,1-Dichloroethane	63	8.543	8.543	0.000	100	436066	10.0	10.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
35 Vinyl acetate	43	8.618	8.618	0.000	100	618693	10.0	11.3	
S 30 1,2-Dichloroethene, Total	61				0		20.0	21.4	
37 cis-1,2-Dichloroethene	96	9.677	9.678	-0.001	92	277659	10.0	10.4	
38 2-Butanone (MEK)	72	9.736	9.736	0.000	99	130015	10.0	10.3	
39 Ethyl acetate	88	9.774	9.774	0.000	99	21173	10.0	11.2	
* 40 Chlorobromomethane	128	10.159	10.164	-0.005	87	281568	10.0	10.0	
41 Tetrahydrofuran	42	10.170	10.175	-0.005	93	300407	10.0	10.9	
42 Chloroform	83	10.298	10.298	0.000	95	567296	10.0	10.2	
43 Cyclohexane	84	10.539	10.539	0.000	97	371950	10.0	10.2	
44 1,1,1-Trichloroethane	97	10.582	10.576	0.006	94	613928	10.0	10.1	
45 Carbon tetrachloride	117	10.838	10.838	0.000	97	627770	10.0	9.82	
46 Isooctane	57	11.282	11.282	0.000	99	1390764	10.0	10.3	
47 Benzene	78	11.336	11.336	0.000	96	888598	10.0	10.2	
48 1,2-Dichloroethane	62	11.539	11.539	0.000	98	388055	10.0	10.0	
49 n-Heptane	43	11.705	11.700	0.005	94	533048	10.0	10.4	
* 50 1,4-Difluorobenzene	114	12.235	12.235	0.000	93	1487320	10.0	10.0	
52 n-Butanol	56	12.689	12.689	0.000	89	207842	10.0	11.1	
53 Trichloroethene	95	12.732	12.727	0.005	98	417794	10.0	9.73	
A 51 GRO	1	13.198	(4.687-21.708)		0	113707150	10.0	0	
54 1,2-Dichloropropane	63	13.326	13.326	0.000	91	349892	10.0	10.3	
55 Methyl methacrylate	69	13.508	13.508	0.000	97	347799	10.0	10.3	
56 1,4-Dioxane	88	13.572	13.567	0.005	93	199882	10.0	10.0	
57 Dibromomethane	174	13.599	13.599	0.000	92	465534	10.0	9.54	
58 Dichlorobromomethane	83	13.909	13.909	0.000	98	692874	10.0	10.2	
60 cis-1,3-Dichloropropene	75	14.893	14.894	-0.001	92	544937	10.0	10.3	
A 59 TVOC as Toluene	92	15.105	(3.034-27.176)		0	202019432	10.0	0	
61 4-Methyl-2-pentanone (MIBK	43	15.209	15.204	0.005	97	727109	10.0	10.1	
65 Toluene	92	15.503	15.498	0.005	93	711654	10.0	10.2	
64 n-Octane	43	15.557	15.557	0.000	93	793222	10.0	10.5	
66 trans-1,3-Dichloropropene	75	16.145	16.145	0.000	97	554324	10.0	9.39	
67 1,1,2-Trichloroethane	83	16.536	16.541	-0.005	95	354712	10.0	10.5	
68 Tetrachloroethene	166	16.632	16.632	0.000	97	688676	10.0	9.63	
69 2-Hexanone	43	17.023	17.023	0.000	94	708675	10.0	10.2	
71 Chlorodibromomethane	129	17.338	17.338	0.000	98	755386	10.0	10.2	
72 Ethylene Dibromide	107	17.616	17.622	-0.006	99	687831	10.0	10.5	
* 74 Chlorobenzene-d5	117	18.563	18.569	-0.006	85	1361724	10.0	10.0	
75 Chlorobenzene	112	18.628	18.628	0.000	96	1025884	10.0	10.2	
76 Ethylbenzene	91	18.788	18.788	0.000	97	1612826	10.0	10.3	
77 n-Nonane	57	18.927	18.927	0.000	92	732388	10.0	10.5	
78 m-Xylene & p-Xylene	106	19.055	19.061	-0.006	0	1299599	20.0	20.2	
S 73 Xylenes, Total	106				0		30.0	30.1	
79 o-Xylene	106	19.954	19.954	0.000	99	633180	10.0	9.89	
80 Styrene	104	20.013	20.013	0.000	97	989687	10.0	10.1	
81 Bromoform	173	20.484	20.484	0.000	99	759642	10.0	10.6	
82 Isopropylbenzene	105	20.714	20.714	0.000	95	1838459	10.0	9.97	
84 1,1,2,2-Tetrachloroethane	83	21.441	21.442	-0.001	99	955170	10.0	10.6	
85 N-Propylbenzene	91	21.500	21.500	0.000	99	2237427	10.0	10.2	
86 1,2,3-Trichloropropane	75	21.543	21.543	0.000	96	721136	10.0	10.3	
87 n-Decane	57	21.698	21.698	0.000	90	954652	10.0	11.0	
88 4-Ethyltoluene	105	21.709	21.709	0.000	98	1946898	10.0	10.5	
89 2-Chlorotoluene	91	21.714	21.714	0.000	97	1548506	10.0	10.3	
90 1,3,5-Trimethylbenzene	105	21.827	21.827	0.000	94	1547415	10.0	10.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
91 Alpha Methyl Styrene	118	22.217	22.217	0.000	90	768847	10.0	9.76	
92 tert-Butylbenzene	119	22.346	22.346	0.000	95	1504404	10.0	10.1	
93 1,2,4-Trimethylbenzene	105	22.447	22.447	0.000	97	1553192	10.0	10.2	
94 sec-Butylbenzene	105	22.688	22.688	0.000	99	2262693	10.0	10.3	
95 4-Isopropyltoluene	119	22.902	22.902	0.000	98	1954240	10.0	10.3	
96 1,3-Dichlorobenzene	146	22.929	22.929	0.000	96	1187503	10.0	10.1	
97 1,4-Dichlorobenzene	146	23.073	23.073	0.000	97	1191353	10.0	9.99	
98 Benzyl chloride	91	23.287	23.287	0.000	99	1187455	10.0	9.58	
100 n-Butylbenzene	91	23.496	23.501	-0.005	98	1737702	10.0	10.4	
99 Undecane	57	23.528	23.528	0.000	96	834164	10.0	9.82	
101 1,2-Dichlorobenzene	146	23.624	23.624	0.000	98	1109637	10.0	10.1	
102 Dodecane	57	25.154	25.154	0.000	97	525210	10.0	9.12	
103 1,2,4-Trichlorobenzene	180	26.187	26.187	0.000	94	743864	10.0	8.90	
104 Hexachlorobutadiene	225	26.374	26.374	0.000	96	785528	10.0	9.18	
105 Naphthalene	128	26.684	26.684	0.000	99	1348629	10.0	7.88	
106 1,2,3-Trichlorobenzene	180	27.166	27.166	0.000	93	664219	10.0	9.09	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

ATTO15LCSW_00763	Amount Added: 200.00	Units: mL	
ATTO15XISs_00002	Amount Added: 20.00	Units: mL	Run Reagent

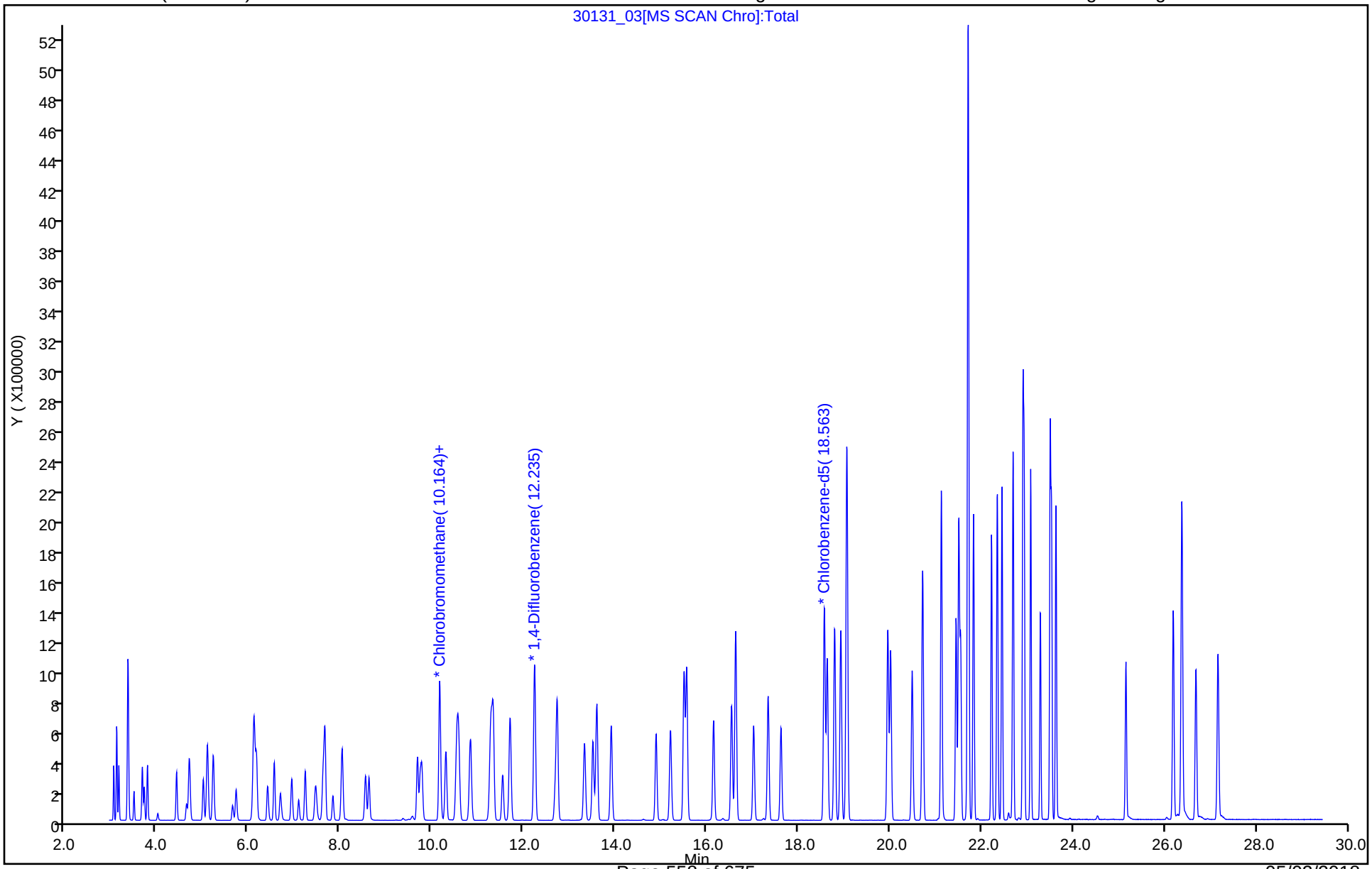
Report Date: 18-Apr-2018 12:34:17 Chrom Revision: 2.2 13-Mar-2018 08:45:20

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180417-30131.b\30131_03.D

Injection Date:	17-Apr-2018 10:48:30	Instrument ID:	CHX.i	Operator ID:	PAD
Lims ID:	lcs			Worklist Smp#:	3
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-43091-1

SDG No.: 200-43091-1

Client Sample ID: Lab Sample ID: LCS 200-128592/3

Matrix: Air Lab File ID: 30158-03.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 04/18/2018 11:44

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 128592 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	8.49		0.50	0.20
75-45-6	Chlorodifluoromethane	86.47	8.55		0.50	0.26
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	9.28		0.20	0.068
74-87-3	Chloromethane	50.49	8.43		0.50	0.25
106-97-8	n-Butane	58.12	8.55		0.50	0.31
75-01-4	Vinyl chloride	62.50	7.68		0.035	0.041
106-99-0	1,3-Butadiene	54.09	7.57		0.20	0.065
74-83-9	Bromomethane	94.94	8.59		0.20	0.062
75-00-3	Chloroethane	64.52	8.77		0.50	0.21
593-60-2	Bromoethene(Vinyl Bromide)	106.96	8.64		0.20	0.056
75-69-4	Trichlorofluoromethane	137.37	8.25		0.20	0.062
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	8.61		0.20	0.031
75-35-4	1,1-Dichloroethene	96.94	8.03		0.035	0.034
67-64-1	Acetone	58.08	9.61		5.0	2.6
67-63-0	Isopropyl alcohol	60.10	8.45		5.0	1.8
75-15-0	Carbon disulfide	76.14	10.2		0.50	0.12
107-05-1	3-Chloropropene	76.53	8.72		0.50	0.27
75-09-2	Methylene Chloride	84.93	8.56		0.50	0.20
75-65-0	tert-Butyl alcohol	74.12	8.93		5.0	1.5
1634-04-4	Methyl tert-butyl ether	88.15	8.65		0.20	0.061
156-60-5	trans-1,2-Dichloroethene	96.94	9.05		0.20	0.074
110-54-3	n-Hexane	86.17	8.53		0.20	0.16
75-34-3	1,1-Dichloroethane	98.96	8.16		0.20	0.026
78-93-3	Methyl Ethyl Ketone (2-Butanone)	72.11	9.19		0.50	0.20
156-59-2	cis-1,2-Dichloroethene	96.94	8.08		0.035	0.037
67-66-3	Chloroform	119.38	8.54		0.20	0.052
109-99-9	Tetrahydrofuran	72.11	9.41		5.0	2.6
71-55-6	1,1,1-Trichloroethane	133.41	8.38		0.20	0.068
110-82-7	Cyclohexane	84.16	8.73		0.20	0.063
56-23-5	Carbon tetrachloride	153.81	8.25		0.035	0.024
540-84-1	2,2,4-Trimethylpentane	114.23	8.46		0.20	0.088
71-43-2	Benzene	78.11	8.34		0.20	0.071
107-06-2	1,2-Dichloroethane	98.96	8.18		0.20	0.063

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-43091-1

SDG No.: 200-43091-1

Client Sample ID: Lab Sample ID: LCS 200-128592/3

Matrix: Air Lab File ID: 30158-03.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 04/18/2018 11:44

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 128592 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
142-82-5	n-Heptane	100.21	8.24		0.20	0.14
79-01-6	Trichloroethene	131.39	8.09		0.035	0.030
80-62-6	Methyl methacrylate	100.12	9.13		0.50	0.22
78-87-5	1,2-Dichloropropane	112.99	8.34		0.20	0.12
123-91-1	1,4-Dioxane	88.11	8.74		5.0	1.3
75-27-4	Bromodichloromethane	163.83	8.43		0.20	0.094
10061-01-5	cis-1,3-Dichloropropene	110.97	8.68		0.20	0.098
108-10-1	4-Methyl-2-pentanone (Methyl isobutyl ketone)	100.16	8.53		0.50	0.36
108-88-3	Toluene	92.14	8.54		0.20	0.069
10061-02-6	trans-1,3-Dichloropropene	110.97	8.68		0.20	0.12
79-00-5	1,1,2-Trichloroethane	133.41	8.70		0.20	0.078
127-18-4	Tetrachloroethene	165.83	8.32		0.20	0.029
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	8.47		0.50	0.42
124-48-1	Dibromochloromethane	208.29	8.91		0.20	0.071
106-93-4	1,2-Dibromoethane	187.87	8.76		0.20	0.069
108-90-7	Chlorobenzene	112.56	8.68		0.20	0.040
100-41-4	Ethylbenzene	106.17	8.46		0.20	0.073
179601-23-1	m,p-Xylene	106.17	17.4		0.50	0.070
95-47-6	o-Xylene	106.17	8.42		0.20	0.071
100-42-5	Styrene	104.15	8.64		0.20	0.086
75-25-2	Bromoform	252.75	9.80		0.20	0.086
98-82-8	Cumene	120.19	8.57		0.20	0.059
79-34-5	1,1,2,2-Tetrachloroethane	167.85	8.71		0.20	0.076
103-65-1	n-Propylbenzene	120.19	8.55		0.20	0.069
622-96-8	4-Ethyltoluene	120.20	8.78		0.20	0.069
108-67-8	1,3,5-Trimethylbenzene	120.20	8.59		0.20	0.058
95-49-8	2-Chlorotoluene	126.59	8.45		0.20	0.071
98-06-6	tert-Butylbenzene	134.22	8.59		0.20	0.058
95-63-6	1,2,4-Trimethylbenzene	120.20	8.53		0.20	0.080
135-98-8	sec-Butylbenzene	134.22	8.53		0.20	0.066
99-87-6	4-Isopropyltoluene	134.22	8.37		0.20	0.075
541-73-1	1,3-Dichlorobenzene	147.00	8.52		0.20	0.082
106-46-7	1,4-Dichlorobenzene	147.00	8.52		0.20	0.065

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-43091-1

SDG No.: 200-43091-1

Client Sample ID: Lab Sample ID: LCS 200-128592/3

Matrix: Air Lab File ID: 30158-03.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 04/18/2018 11:44

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 128592 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
100-44-7	Benzyl chloride	126.58	8.17		0.20	0.12
104-51-8	n-Butylbenzene	134.22	7.99		0.20	0.080
95-50-1	1,2-Dichlorobenzene	147.00	8.47		0.20	0.071
120-82-1	1,2,4-Trichlorobenzene	181.45	7.42		0.50	0.24
87-68-3	Hexachlorobutadiene	260.76	8.21		0.20	0.082
91-20-3	Naphthalene	128.17	6.03		0.50	0.31

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180418-30158.b\30158-03.D
Lims ID: lcs
Client ID:
Sample Type: LCS
Inject. Date: 18-Apr-2018 11:44:30 ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0030158-003
Operator ID: pad Instrument ID: CHB.i

Method: \\ChromNA\Burlington\ChromData\CHB.i\20180418-30158.b\TO15_LLNJ_TO3.m
Limit Group: AI_TO15_ICAL
Last Update: 19-Apr-2018 11:03:44 Calib Date: 06-Apr-2018 10:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHB.i\20180405-29969.b\29969-21.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK027

First Level Reviewer: puangmaleek Date: 19-Apr-2018 11:04:54

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	3.134	3.135	-0.001	98	197036	10.0	9.31	
2 Dichlorodifluoromethane	85	3.188	3.188	0.000	98	783650	10.0	8.49	
3 Chlorodifluoromethane	51	3.225	3.225	0.000	97	417411	10.0	8.55	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.407	3.407	0.000	90	994747	10.0	9.28	
5 Chloromethane	50	3.529	3.529	0.000	98	278693	10.0	8.43	
6 Butane	43	3.705	3.706	-0.001	98	448378	10.0	8.55	
7 Vinyl chloride	62	3.743	3.743	0.000	97	372855	10.0	7.68	
8 Butadiene	54	3.807	3.807	0.000	92	267821	10.0	7.57	
10 Bromomethane	94	4.469	4.469	0.000	100	440091	10.0	8.59	
9 BFB									
11 Chloroethane	64	4.698	4.693	0.005	98	248725	10.0	8.77	
12 2-Methylbutane	43	4.778	4.778	0.000	92	473001	10.0	8.84	
13 Vinyl bromide	106	5.104	5.104	0.000	100	471141	10.0	8.64	
14 Trichlorofluoromethane	101	5.205	5.205	0.000	98	922333	10.0	8.25	
15 Pentane	43	5.344	5.344	0.000	97	724312	10.0	9.33	
16 Ethanol	45	5.659	5.659	0.000	99	277539	15.0	16.9	
17 Ethyl ether	59	5.814	5.814	0.000	94	334194	10.0	9.71	
18 Acrolein	56	6.182	6.177	0.005	95	161532	10.0	10.9	
19 1,1,2-Trichloro-1,2,2-trif	101	6.235	6.235	0.000	99	852578	10.0	8.61	
20 1,1-Dichloroethene	96	6.305	6.299	0.006	94	431768	10.0	8.03	
21 Acetone	43	6.449	6.449	0.000	94	529333	10.0	9.61	
22 Isopropyl alcohol	45	6.673	6.668	0.005	100	585804	10.0	8.45	
23 Carbon disulfide	76	6.732	6.732	0.000	98	1287947	10.0	10.2	
24 3-Chloro-1-propene	41	7.004	6.998	0.006	91	455871	10.0	8.72	
26 Acetonitrile	41	7.057	7.052	0.005	99	353401	10.0	10.6	
27 Methylene Chloride	49	7.260	7.260	0.000	93	431335	10.0	8.56	
28 2-Methyl-2-propanol	59	7.367	7.367	0.000	93	819751	10.0	8.93	
29 Methyl tert-butyl ether	73	7.612	7.607	0.005	98	1147923	10.0	8.65	
30 trans-1,2-Dichloroethene	61	7.671	7.666	0.005	94	611034	10.0	9.05	
31 Acrylonitrile	53	7.735	7.735	0.000	95	342948	10.0	9.40	
32 Hexane	57	8.002	8.002	0.000	89	714972	10.0	8.53	
33 1,1-Dichloroethane	63	8.413	8.407	0.006	99	764195	10.0	8.16	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
34 Vinyl acetate	43	8.418	8.413	0.005	99	1002527	10.0	10.1	
36 2-Butanone (MEK)	72	9.299	9.299	0.000	99	256932	10.0	9.19	
35 Ethyl acetate	88	9.320	9.309	0.011	94	49669	10.0	9.95	
37 cis-1,2-Dichloroethene	96	9.315	9.315	0.000	94	498204	10.0	8.08	
* 39 Chlorobromomethane	128	9.683	9.678	0.005	85	459619	10.0	10.0	
38 Tetrahydrofuran	42	9.693	9.694	-0.001	90	478458	10.0	9.41	
40 Chloroform	83	9.758	9.752	0.006	95	835844	10.0	8.54	
S 41 1,2-Dichloroethene, Total	61				0		20.0	17.1	
42 1,1,1-Trichloroethane	97	10.019	10.014	0.005	96	804901	10.0	8.38	
43 Cyclohexane	84	10.030	10.030	0.000	96	657351	10.0	8.73	
44 Carbon tetrachloride	117	10.222	10.222	0.000	98	823328	10.0	8.25	
45 Isooctane	57	10.505	10.505	0.000	99	2125594	10.0	8.46	
46 Benzene	78	10.547	10.542	0.005	96	1408119	10.0	8.34	
47 1,2-Dichloroethane	62	10.643	10.644	-0.001	94	453665	10.0	8.18	
48 n-Heptane	43	10.761	10.756	0.005	87	752235	10.0	8.24	
A 49 GRO	1	10.852	(4.768-16.935)		0	170817595	10.0	0	
* 50 1,4-Difluorobenzene	114	11.086	11.087	-0.001	94	2062230	10.0	10.0	
51 n-Butanol	56	11.273	11.268	0.005	86	340248	10.0	9.89	
53 Trichloroethene	95	11.460	11.455	0.005	98	627859	10.0	8.09	
54 1,2-Dichloropropane	63	11.828	11.823	0.005	93	548627	10.0	8.34	
55 Methyl methacrylate	69	11.866	11.860	0.006	94	554873	10.0	9.13	
56 1,4-Dioxane	88	11.951	11.951	0.000	92	311357	10.0	8.74	
57 Dibromomethane	174	12.015	12.010	0.005	94	630257	10.0	8.28	
58 Dichlorobromomethane	83	12.186	12.181	0.005	98	917263	10.0	8.43	
A 59 TVOC as Toluene	1	12.474	(3.125-21.824)		0	286851233	10.0	0	
60 cis-1,3-Dichloropropene	75	12.810	12.810	0.000	87	798257	10.0	8.68	
61 4-Methyl-2-pentanone (MIBK	43	12.960	12.954	0.006	93	930847	10.0	8.53	
63 n-Octane	43	13.232	13.232	0.000	87	1033470	10.0	8.31	
64 Toluene	92	13.243	13.243	0.000	94	1059500	10.0	8.54	
66 trans-1,3-Dichloropropene	75	13.605	13.600	0.005	93	764616	10.0	8.68	
67 1,1,2-Trichloroethane	83	13.872	13.872	0.000	94	547451	10.0	8.70	
68 Tetrachloroethene	166	14.022	14.017	0.006	98	911819	10.0	8.32	
69 2-Hexanone	43	14.134	14.134	0.000	98	909723	10.0	8.47	
70 Chlorodibromomethane	129	14.433	14.427	0.006	97	999061	10.0	8.91	
71 Ethylene Dibromide	107	14.635	14.630	0.005	99	972993	10.0	8.76	
* 72 Chlorobenzene-d5	117	15.201	15.196	0.005	83	1814529	10.0	10.0	
73 Chlorobenzene	112	15.239	15.233	0.006	96	1404795	10.0	8.68	
74 Ethylbenzene	91	15.303	15.303	0.000	97	2179941	10.0	8.46	
75 n-Nonane	57	15.329	15.329	0.000	88	1064276	10.0	8.60	
76 m-Xylene & p-Xylene	106	15.452	15.452	0.000	0	1773021	20.0	17.4	
78 o-Xylene	106	15.964	15.964	0.000	98	888078	10.0	8.42	
79 Styrene	104	15.991	15.986	0.005	97	1397419	10.0	8.64	
S 77 Xylenes, Total	106				0		30.0	25.8	
80 Bromoform	173	16.279	16.279	0.000	98	1012208	10.0	9.80	
81 Isopropylbenzene	105	16.375	16.375	0.000	95	2377234	10.0	8.57	
83 1,1,2,2-Tetrachloroethane	83	16.786	16.781	0.005	97	1371625	10.0	8.71	
84 N-Propylbenzene	91	16.856	16.856	0.000	99	2915062	10.0	8.55	
85 1,2,3-Trichloropropane	75	16.866	16.866	0.000	96	986512	10.0	8.62	
86 n-Decane	57	16.925	16.925	0.000	91	1315662	10.0	8.82	
87 4-Ethyltoluene	105	16.984	16.978	0.006	97	2445706	10.0	8.78	
88 2-Chlorotoluene	91	17.026	17.021	0.005	96	1961725	10.0	8.45	
89 1,3,5-Trimethylbenzene	105	17.048	17.048	0.000	94	1978913	10.0	8.59	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
90 Alpha Methyl Styrene	118	17.320	17.320	0.000	89	1074539	10.0	8.92	
91 tert-Butylbenzene	119	17.421	17.421	0.000	95	1891849	10.0	8.59	
92 1,2,4-Trimethylbenzene	105	17.496	17.491	0.005	96	1958041	10.0	8.53	
93 sec-Butylbenzene	105	17.683	17.678	0.005	98	2895060	10.0	8.53	
94 4-Isopropyltoluene	119	17.832	17.832	0.000	97	2360024	10.0	8.37	
95 1,3-Dichlorobenzene	146	17.912	17.912	0.000	96	1466949	10.0	8.52	
96 1,4-Dichlorobenzene	146	18.024	18.019	0.005	95	1460710	10.0	8.52	
97 Benzyl chloride	91	18.174	18.169	0.005	100	1658468	10.0	8.17	
98 Undecane	57	18.307	18.302	0.005	93	1432366	10.0	9.30	
99 n-Butylbenzene	91	18.339	18.339	0.000	98	2167091	10.0	7.99	
100 1,2-Dichlorobenzene	146	18.505	18.505	0.000	97	1377154	10.0	8.47	
102 Dodecane	57	19.759	19.754	0.005	96	1184097	10.0	8.23	
103 1,2,4-Trichlorobenzene	180	20.864	20.858	0.006	95	1015587	10.0	7.42	
104 Hexachlorobutadiene	225	21.029	21.029	0.000	98	964169	10.0	8.21	
105 Naphthalene	128	21.339	21.339	0.000	99	1763431	10.0	6.03	
106 1,2,3-Trichlorobenzene	180	21.814	21.814	0.000	95	879696	10.0	7.08	

Reagents:

ATTO15LCSW_00763	Amount Added: 200.00	Units: mL	
ATTO15BISs_00006	Amount Added: 20.00	Units: mL	Run Reagent

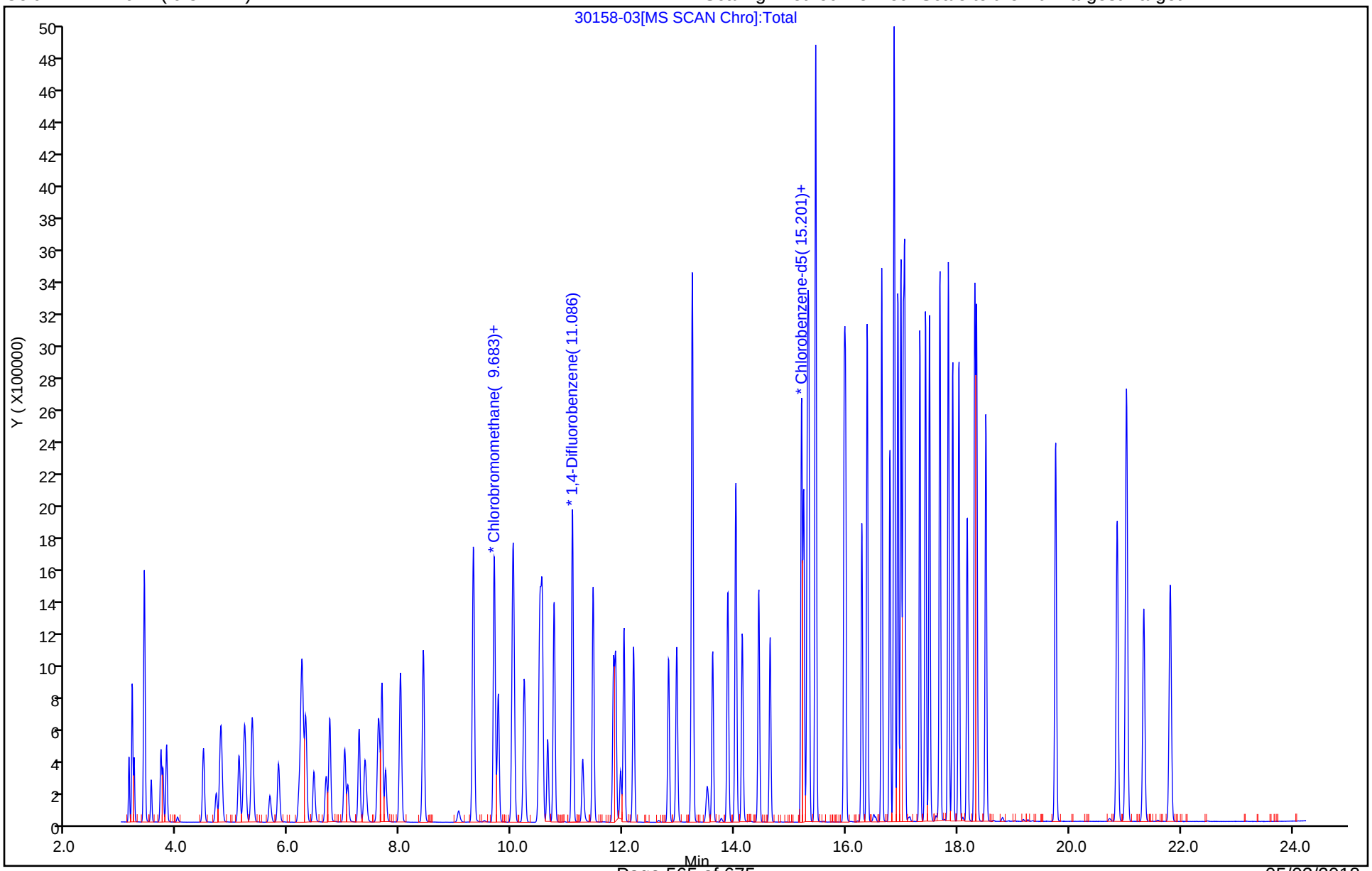
Report Date: 19-Apr-2018 11:04:56 Chrom Revision: 2.2 13-Mar-2018 08:45:20

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180418-30158.b\30158-03.D

Injection Date:	18-Apr-2018 11:44:30	Instrument ID:	CHB.i	Operator ID:	pad
Lims ID:	lcs			Worklist Smp#:	3
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-43091-1

SDG No.: 200-43091-1

Client Sample ID: SV001 DU Lab Sample ID: 200-43091-1 DU

Matrix: Air Lab File ID: 30117-17.D

Analysis Method: TO-15 Date Collected: 04/13/2018 11:35

Sample wt/vol: 200(mL) Date Analyzed: 04/16/2018 23:54

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 128485 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	1.20		0.50	0.20
75-45-6	Chlorodifluoromethane	86.47	0.50	U	0.50	0.26
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.20	U	0.20	0.068
74-87-3	Chloromethane	50.49	0.50	U	0.50	0.25
106-97-8	n-Butane	58.12	1.44		0.50	0.31
75-01-4	Vinyl chloride	62.50	0.035	U	0.035	0.041
106-99-0	1,3-Butadiene	54.09	0.158	J	0.20	0.065
74-83-9	Bromomethane	94.94	0.20	U	0.20	0.062
75-00-3	Chloroethane	64.52	0.50	U	0.50	0.21
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.20	U	0.20	0.056
75-69-4	Trichlorofluoromethane	137.37	0.579		0.20	0.062
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	0.0702	J	0.20	0.031
75-35-4	1,1-Dichloroethene	96.94	0.035	U	0.035	0.034
67-64-1	Acetone	58.08	16.4		5.0	2.6
67-63-0	Isopropyl alcohol	60.10	5.0	U	5.0	1.8
75-15-0	Carbon disulfide	76.14	0.243	J	0.50	0.12
107-05-1	3-Chloropropene	76.53	0.50	U	0.50	0.27
75-09-2	Methylene Chloride	84.93	1.61		0.50	0.20
75-65-0	tert-Butyl alcohol	74.12	10.6		5.0	1.5
1634-04-4	Methyl tert-butyl ether	88.15	0.20	U	0.20	0.061
156-60-5	trans-1,2-Dichloroethene	96.94	0.20	U	0.20	0.074
110-54-3	n-Hexane	86.17	0.804		0.20	0.16
75-34-3	1,1-Dichloroethane	98.96	0.20	U	0.20	0.026
78-93-3	Methyl Ethyl Ketone (2-Butanone)	72.11	5.22		0.50	0.20
156-59-2	cis-1,2-Dichloroethene	96.94	0.035	U	0.035	0.037
67-66-3	Chloroform	119.38	0.398		0.20	0.052
109-99-9	Tetrahydrofuran	72.11	5.0	U	5.0	2.6
71-55-6	1,1,1-Trichloroethane	133.41	0.20	U	0.20	0.068
110-82-7	Cyclohexane	84.16	1.82		0.20	0.063
56-23-5	Carbon tetrachloride	153.81	0.0335	J	0.035	0.024
540-84-1	2,2,4-Trimethylpentane	114.23	0.20	U	0.20	0.088
71-43-2	Benzene	78.11	0.485		0.20	0.071
107-06-2	1,2-Dichloroethane	98.96	0.20	U	0.20	0.063

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-43091-1

SDG No.: 200-43091-1

Client Sample ID: SV001 DU Lab Sample ID: 200-43091-1 DU

Matrix: Air Lab File ID: 30117-17.D

Analysis Method: TO-15 Date Collected: 04/13/2018 11:35

Sample wt/vol: 200(mL) Date Analyzed: 04/16/2018 23:54

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 128485 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
142-82-5	n-Heptane	100.21	1.19		0.20	0.14
79-01-6	Trichloroethene	131.39	0.0797		0.035	0.030
80-62-6	Methyl methacrylate	100.12	0.50	U	0.50	0.22
78-87-5	1,2-Dichloropropane	112.99	0.20	U	0.20	0.12
123-91-1	1,4-Dioxane	88.11	5.0	U	5.0	1.3
75-27-4	Bromodichloromethane	163.83	0.341		0.20	0.094
10061-01-5	cis-1,3-Dichloropropene	110.97	0.20	U	0.20	0.098
108-10-1	4-Methyl-2-pentanone (Methyl isobutyl ketone)	100.16	0.50	U	0.50	0.36
108-88-3	Toluene	92.14	6.77		0.20	0.069
10061-02-6	trans-1,3-Dichloropropene	110.97	0.20	U	0.20	0.12
79-00-5	1,1,2-Trichloroethane	133.41	0.20	U	0.20	0.078
127-18-4	Tetrachloroethene	165.83	0.304		0.20	0.029
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.50	U	0.50	0.42
124-48-1	Dibromochloromethane	208.29	0.20	U	0.20	0.071
106-93-4	1,2-Dibromoethane	187.87	0.20	U	0.20	0.069
108-90-7	Chlorobenzene	112.56	0.20	U	0.20	0.040
100-41-4	Ethylbenzene	106.17	1.45		0.20	0.073
179601-23-1	m,p-Xylene	106.17	4.90		0.50	0.070
95-47-6	o-Xylene	106.17	1.73		0.20	0.071
100-42-5	Styrene	104.15	4.21		0.20	0.086
75-25-2	Bromoform	252.75	0.20	U	0.20	0.086
98-82-8	Cumene	120.19	0.202		0.20	0.059
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.186	J	0.20	0.076
103-65-1	n-Propylbenzene	120.19	0.155	J	0.20	0.069
622-96-8	4-Ethyltoluene	120.20	0.151	J	0.20	0.069
108-67-8	1,3,5-Trimethylbenzene	120.20	0.100	J	0.20	0.058
95-49-8	2-Chlorotoluene	126.59	0.20	U	0.20	0.071
98-06-6	tert-Butylbenzene	134.22	0.20	U	0.20	0.058
95-63-6	1,2,4-Trimethylbenzene	120.20	0.342		0.20	0.080
135-98-8	sec-Butylbenzene	134.22	0.20	U	0.20	0.066
99-87-6	4-Isopropyltoluene	134.22	0.0856	J	0.20	0.075
541-73-1	1,3-Dichlorobenzene	147.00	0.20	U	0.20	0.082
106-46-7	1,4-Dichlorobenzene	147.00	0.20	U	0.20	0.065

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-43091-1

SDG No.: 200-43091-1

Client Sample ID: SV001 DU Lab Sample ID: 200-43091-1 DU

Matrix: Air Lab File ID: 30117-17.D

Analysis Method: TO-15 Date Collected: 04/13/2018 11:35

Sample wt/vol: 200(mL) Date Analyzed: 04/16/2018 23:54

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 128485 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
100-44-7	Benzyl chloride	126.58	0.20	U	0.20	0.12
104-51-8	n-Butylbenzene	134.22	0.20	U	0.20	0.080
95-50-1	1,2-Dichlorobenzene	147.00	0.20	U	0.20	0.071
120-82-1	1,2,4-Trichlorobenzene	181.45	0.50	U	0.50	0.24
87-68-3	Hexachlorobutadiene	260.76	0.20	U	0.20	0.082
91-20-3	Naphthalene	128.17	0.50	U	0.50	0.31

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-17.D
Lims ID: 200-43091-A-1 DU
Client ID: SV001
Sample Type: Client
Inject. Date: 16-Apr-2018 23:54:30 ALS Bottle#: 17 Worklist Smp#: 17
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0030117-017
Operator ID: pad Instrument ID: CHB.i

Method: \\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\TO15_LLNJ_TO3.m
Limit Group: AI_TO15_ICAL
Last Update: 17-Apr-2018 15:22:06 Calib Date: 06-Apr-2018 10:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHB.i\20180405-29969.b\29969-21.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK005

First Level Reviewer: phamvu Date: 17-Apr-2018 15:10:12

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
	2 Dichlorodifluoromethane	85	3.188	3.188	0.000	98	105853	1.20	
	3 Chlorodifluoromethane	51	3.225	3.220	0.005	96	9536	0.2041	
	4 1,2-Dichloro-1,1,2,2-tetra	85		3.407				ND	U
	5 Chloromethane	50		3.529				ND	U
	6 Butane	43	3.705	3.706	-0.001	92	72321	1.44	
	7 Vinyl chloride	62		3.738				ND	
	8 Butadiene	54	3.807	3.805	0.000	88	5332	0.1576	
	10 Bromomethane	94		4.463				ND	
	11 Chloroethane	64		4.693				ND	
	13 Vinyl bromide	106		5.104				ND	
	14 Trichlorofluoromethane	101	5.210	5.205	0.005	98	61886	0.5788	
	19 1,1,2-Trichloro-1,2,2-trif	101	6.230	6.235	-0.005	43	6652	0.0702	
	20 1,1-Dichloroethene	96		6.299				ND	
	21 Acetone	43	6.449	6.440	0.006	94	864344	16.4	
	22 Isopropyl alcohol	45	6.667	6.664	-0.001	99	93812	1.42	
	23 Carbon disulfide	76	6.732	6.728	0.000	95	29359	0.2434	
	24 3-Chloro-1-propene	41		6.998				ND	U
	27 Methylene Chloride	49	7.265	7.251	0.010	90	77775	1.61	
	28 2-Methyl-2-propanol	59	7.361	7.363	-0.006	93	934828	10.6	
	29 Methyl tert-butyl ether	73		7.607				ND	
	30 trans-1,2-Dichloroethene	61		7.671				ND	
	32 Hexane	57	8.007	8.002	0.005	95	64505	0.8042	
	33 1,1-Dichloroethane	63		8.407				ND	
	36 2-Butanone (MEK)	72	9.299	9.288	0.006	98	139531	5.22	
	37 cis-1,2-Dichloroethene	96		9.315				ND	
*	39 Chlorobromomethane	128	9.683	9.683	0.000	86	439653	10.0	
	38 Tetrahydrofuran	42	9.699	9.688	0.011	93	39049	0.7975	
	40 Chloroform	83	9.752	9.747	0.000	96	37205	0.3976	
S	41 1,2-Dichloroethene, Total	61		10.000				ND	
	42 1,1,1-Trichloroethane	97		10.014				ND	
	43 Cyclohexane	84	10.030	10.030	0.000	98	131895	1.82	
	44 Carbon tetrachloride	117	10.217	10.222	-0.006	61	3220	0.0335	

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
	45 Isooctane	57		10.505				ND	
	46 Benzene	78	10.547	10.542	0.005	95	78904	0.4853	
	47 1,2-Dichloroethane	62		10.644				ND	
	48 n-Heptane	43	10.756	10.756	0.000	89	104684	1.19	
*	50 1,4-Difluorobenzene	114	11.086	11.087	-0.001	94	1985217	10.0	
	53 Trichloroethene	95	11.460	11.455	0.005	92	5949	0.0797	
	54 1,2-Dichloropropane	63		11.823				ND	
	55 Methyl methacrylate	69		11.860				ND	U
	56 1,4-Dioxane	88		11.951				ND	
	58 Dichlorobromomethane	83	12.223	12.181	0.042	64	35754	0.3415	
	60 cis-1,3-Dichloropropene	75		12.810				ND	
	61 4-Methyl-2-pentanone (MIBK	43		12.954				ND	
	64 Toluene	92	13.243	13.243	0.000	93	832615	6.77	
	66 trans-1,3-Dichloropropene	75		13.600				ND	U
	67 1,1,2-Trichloroethane	83		13.872				ND	U
	68 Tetrachloroethene	166	14.016	14.022	0.000	97	33019	0.3039	
	69 2-Hexanone	43		14.134				ND	Ua
	70 Chlorodibromomethane	129		14.427				ND	U
	71 Ethylene Dibromide	107		14.636				ND	
*	72 Chlorobenzene-d5	117	15.196	15.196	0.000	90	1799738	10.0	
	73 Chlorobenzene	112	15.260	15.239	0.021	35	5152	0.0321	
	74 Ethylbenzene	91	15.303	15.303	0.000	98	371597	1.45	
	76 m-Xylene & p-Xylene	106	15.452	15.452	0.000	0	496167	4.90	
	78 o-Xylene	106	15.964	15.965	0.000	99	181121	1.73	
	79 Styrene	104	15.986	15.986	0.000	98	675236	4.21	
S	77 Xylenes, Total	106				0		6.64	
	80 Bromoform	173		16.279				ND	
	81 Isopropylbenzene	105	16.375	16.375	0.000	85	55568	0.2020	
	83 1,1,2,2-Tetrachloroethane	83	16.824	16.781	0.043	54	29007	0.1857	
	84 N-Propylbenzene	91	16.856	16.856	0.000	99	52539	0.1555	
	87 4-Ethyltoluene	105	16.984	16.978	0.006	47	41724	0.1511	a
	88 2-Chlorotoluene	91		17.021				ND	U
	89 1,3,5-Trimethylbenzene	105	17.048	17.048	0.000	81	22853	0.1000	
	91 tert-Butylbenzene	119		17.421				ND	U
	92 1,2,4-Trimethylbenzene	105	17.491	17.491	0.000	96	77958	0.3423	
	93 sec-Butylbenzene	105		17.678				ND	U
	94 4-Isopropyltoluene	119	17.832	17.832	0.000	97	23938	0.0856	
	95 1,3-Dichlorobenzene	146		17.912				ND	
	96 1,4-Dichlorobenzene	146		18.019				ND	
	97 Benzyl chloride	91		18.169				ND	
	99 n-Butylbenzene	91		18.339				ND	
	100 1,2-Dichlorobenzene	146		18.505				ND	
	103 1,2,4-Trichlorobenzene	180		20.858				ND	
	104 Hexachlorobutadiene	225		21.029				ND	
	105 Naphthalene	128		21.339				ND	

QC Flag Legend

Review Flags

U - Marked Undetected

a - User Assigned ID

Reagents:

ATTO15BISs_00006	Amount Added:	20.00	Units: mL	Run Reagent

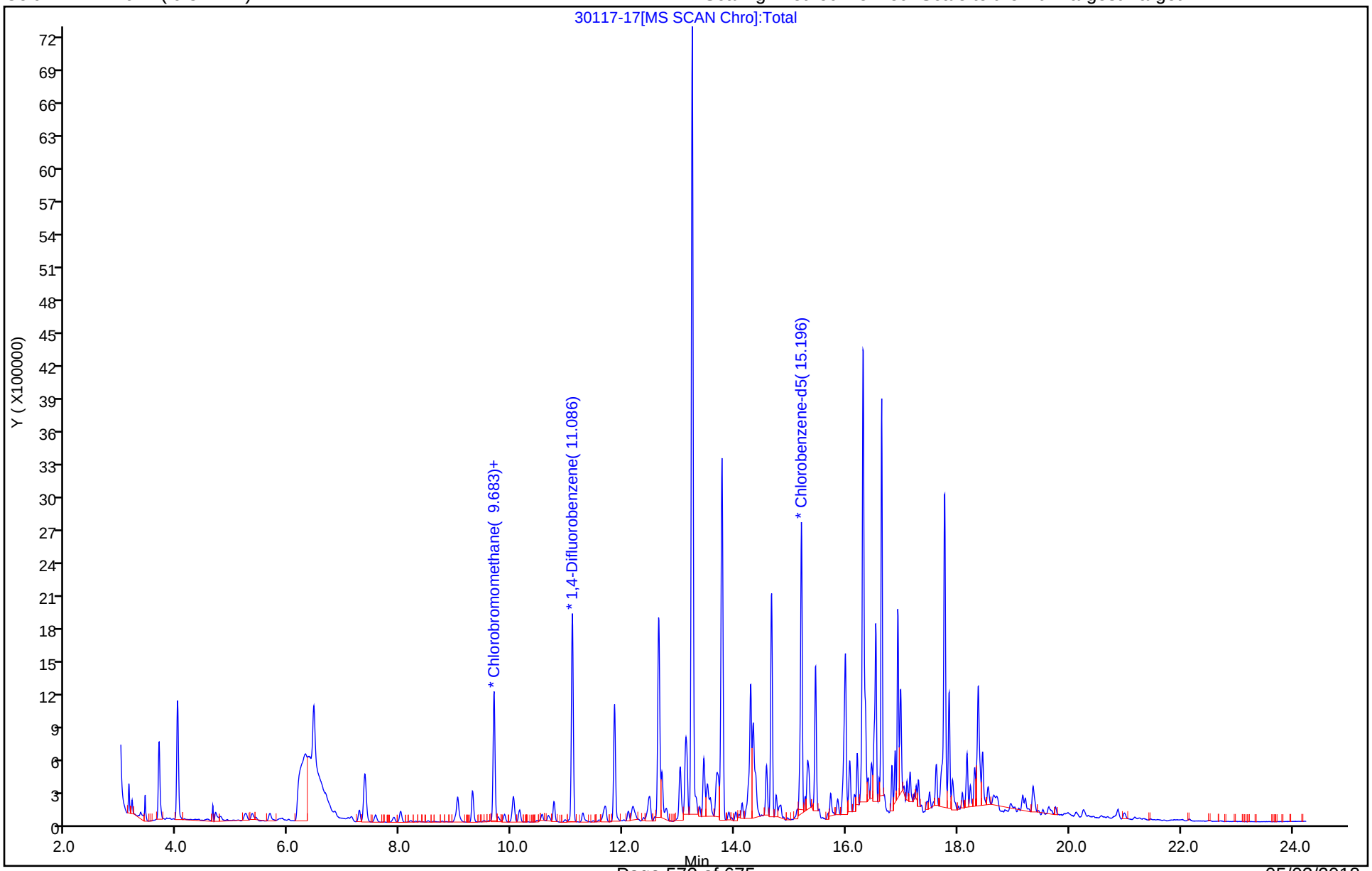
Report Date: 17-Apr-2018 15:25:06 Chrom Revision: 2.2 13-Mar-2018 08:45:20

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-17.D

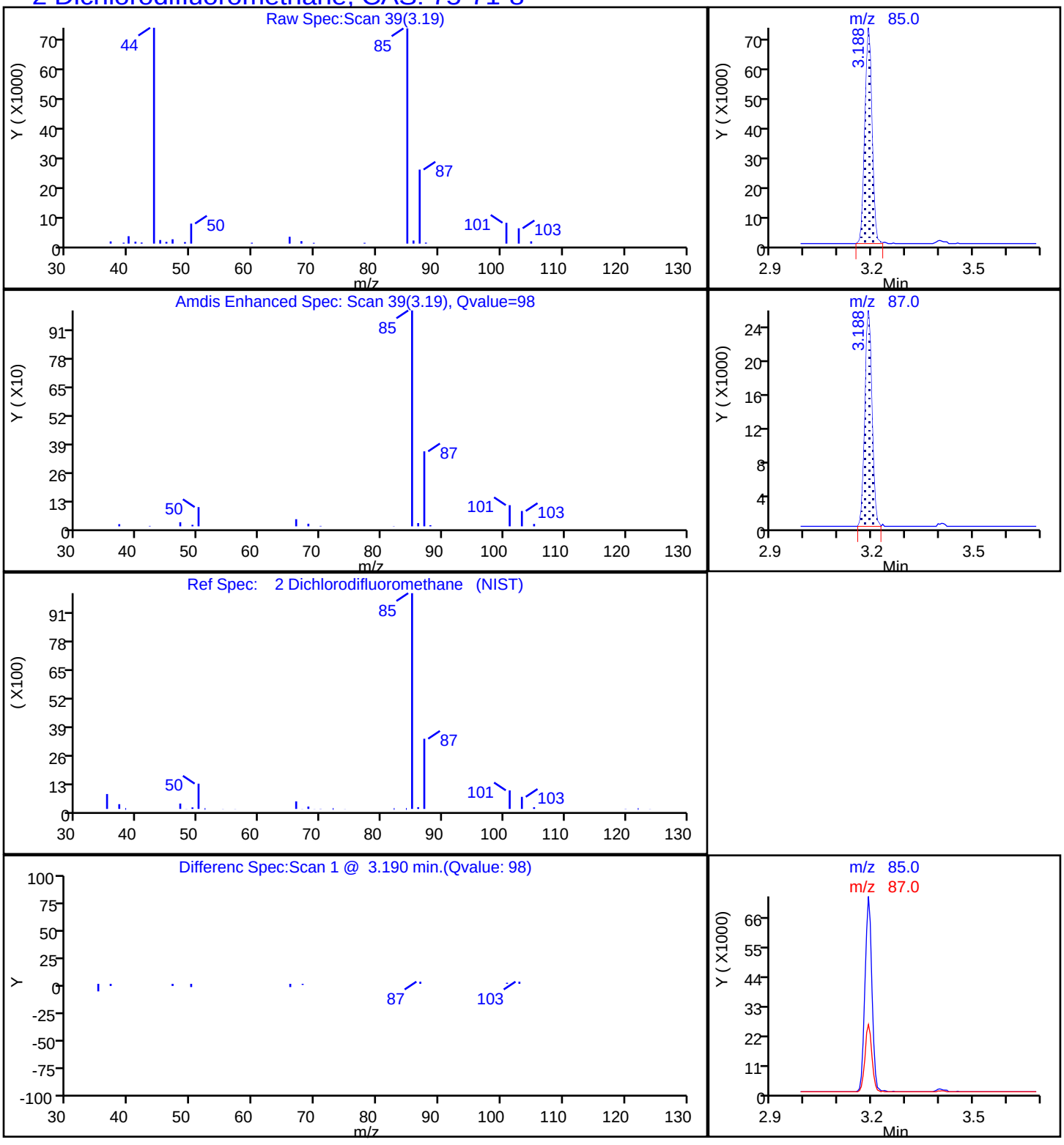
Injection Date:	16-Apr-2018 23:54:30	Instrument ID:	CHB.i	Operator ID:	pad
Lims ID:	200-43091-A-1 DU	Lab Sample ID:	200-43091-1	Worklist Smp#:	17
Client ID:	SV001				
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	17
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-17.D
Injection Date: 16-Apr-2018 23:54:30 Instrument ID: CHB.i
Lims ID: 200-43091-A-1 DU Lab Sample ID: 200-43091-1
Client ID: SV001
Operator ID: pad ALS Bottle#: 17 Worklist Smp#: 17
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3 Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

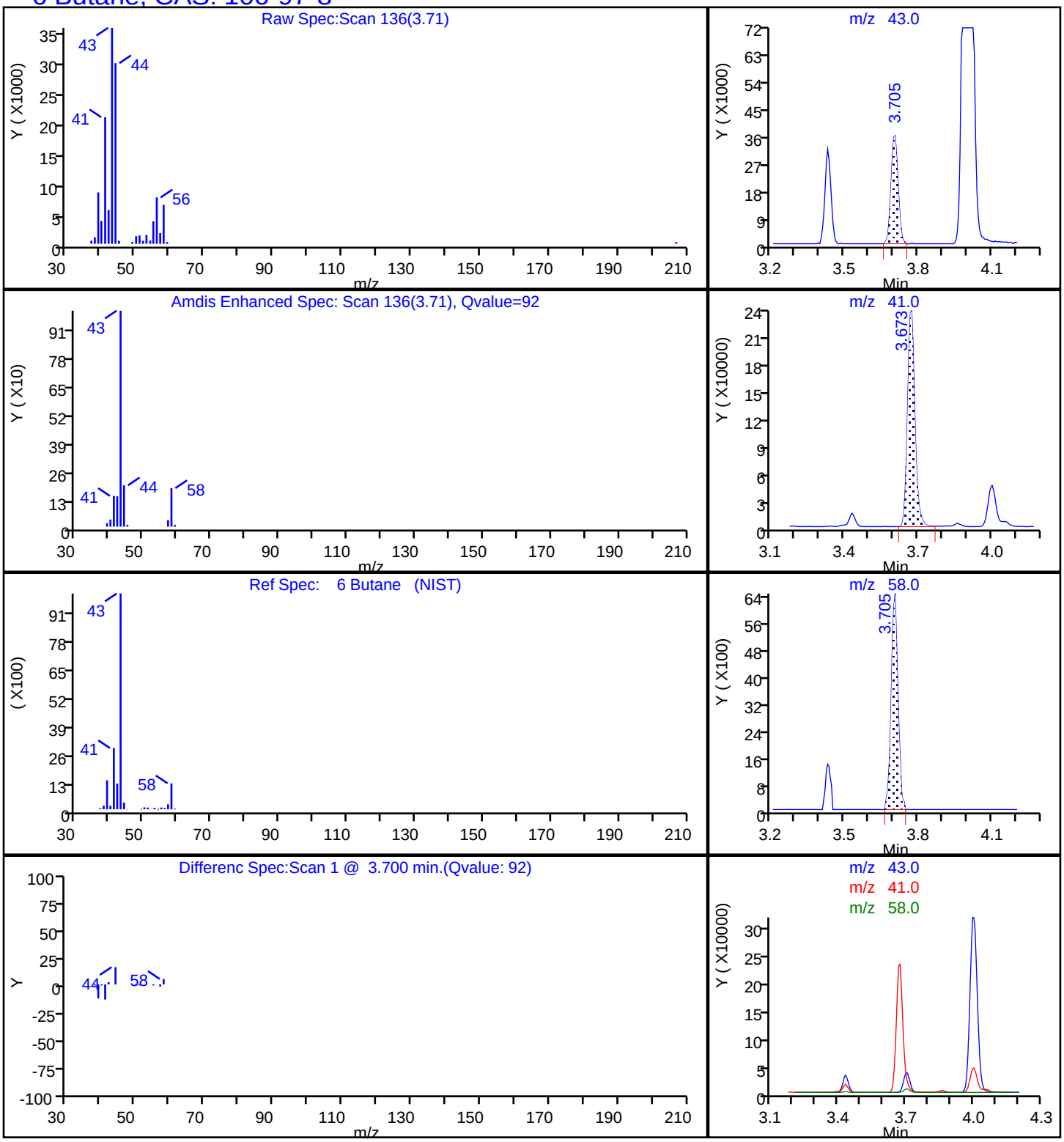
2 Dichlorodifluoromethane, CAS: 75-71-8



TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-17.D		
Injection Date:	16-Apr-2018 23:54:30	Instrument ID:	CHB.i
Lims ID:	200-43091-A-1 DU	Lab Sample ID:	200-43091-1
Client ID:	SV001		
Operator ID:	pad	ALS Bottle#:	17 Worklist Smp#: 17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

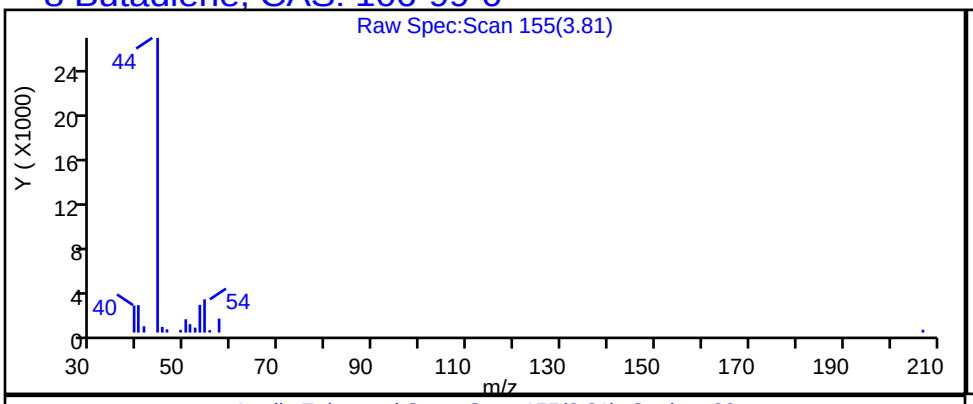
6 Butane, CAS: 106-97-8

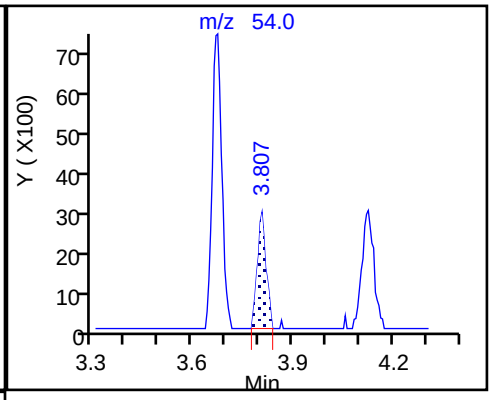


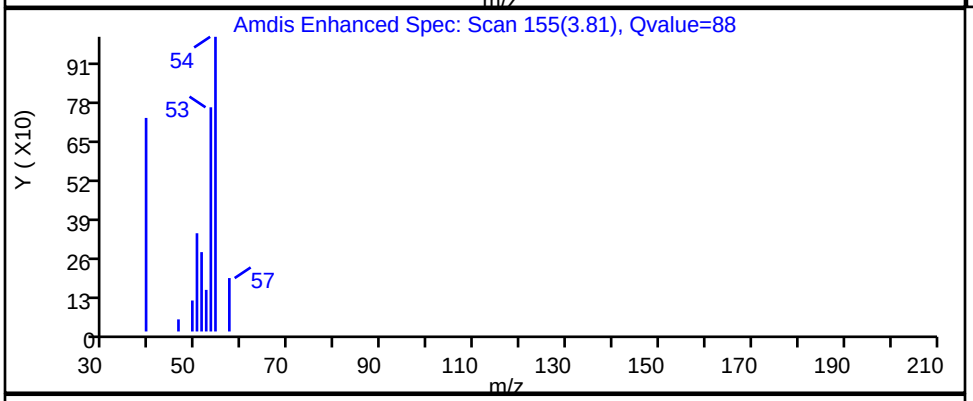
TestAmerica Burlington

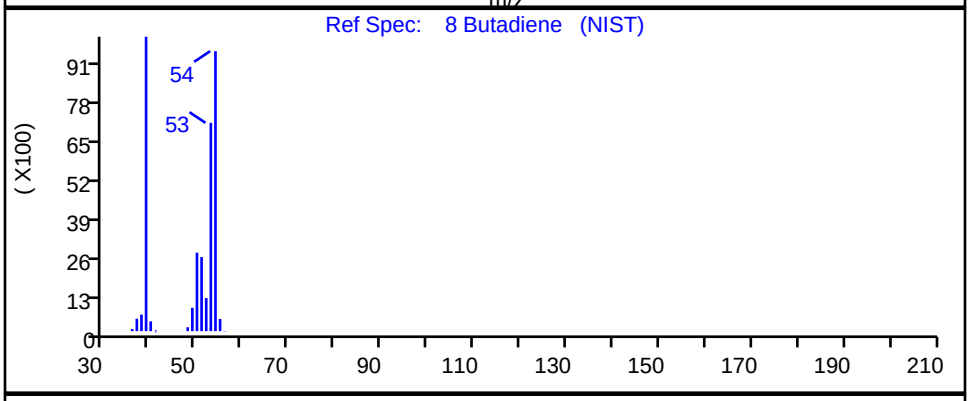
Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-17.D				
Injection Date:	16-Apr-2018 23:54:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-1 DU	Lab Sample ID:	200-43091-1		
Client ID:	SV001				
Operator ID:	pad	ALS Bottle#:	17	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

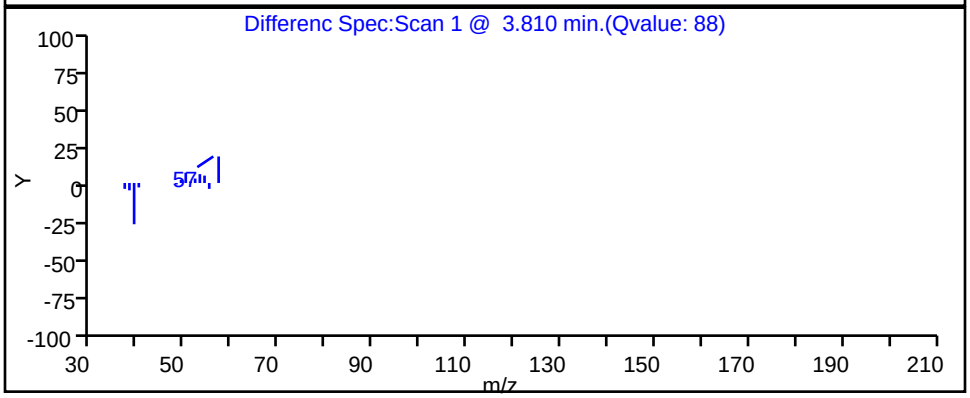
8 Butadiene, CAS: 106-99-0







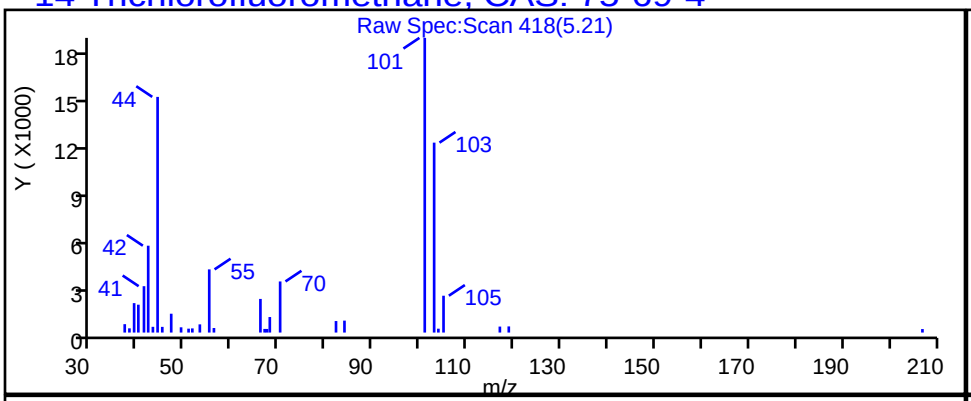


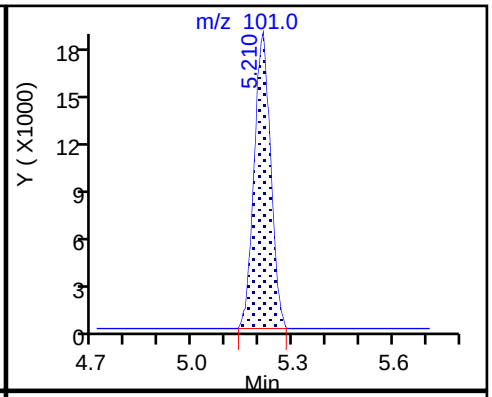


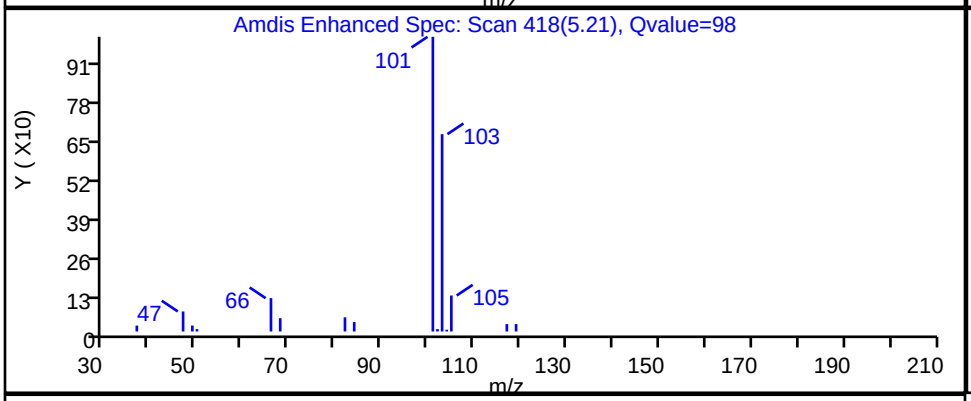
TestAmerica Burlington

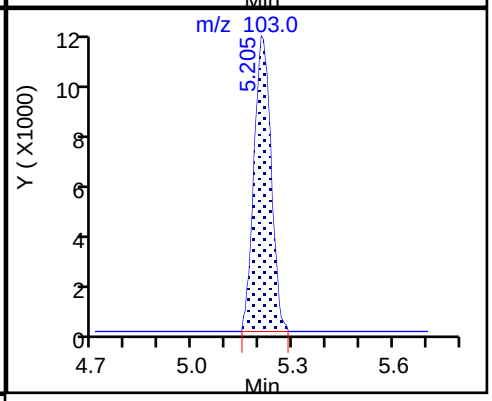
Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-17.D				
Injection Date:	16-Apr-2018 23:54:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-1 DU	Lab Sample ID:	200-43091-1		
Client ID:	SV001				
Operator ID:	pad	ALS Bottle#:	17	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

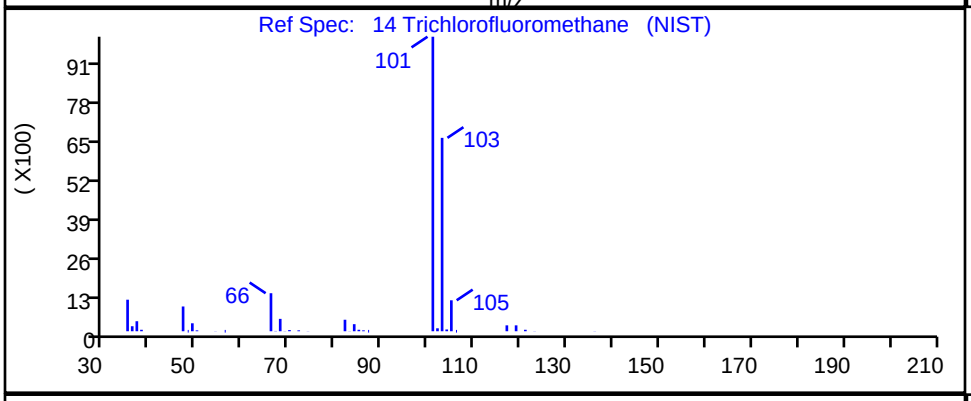
14 Trichlorofluoromethane, CAS: 75-69-4

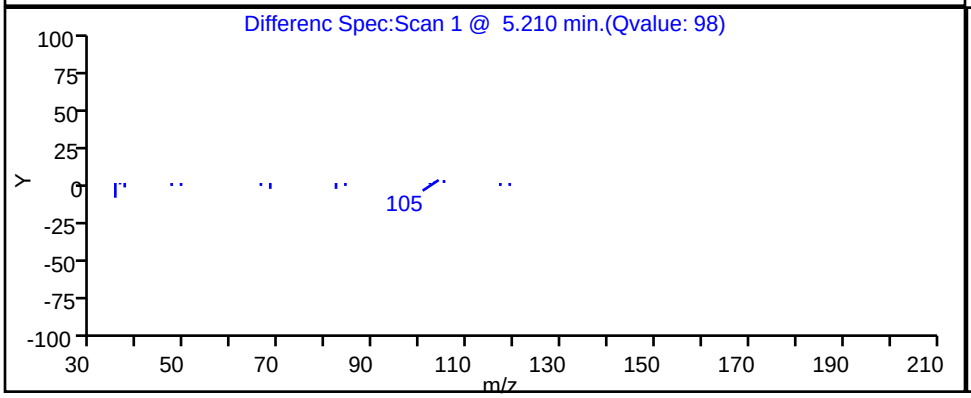


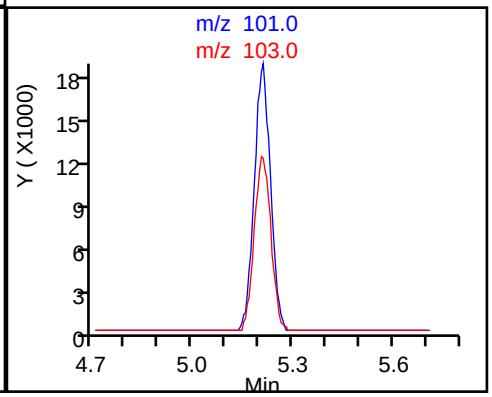










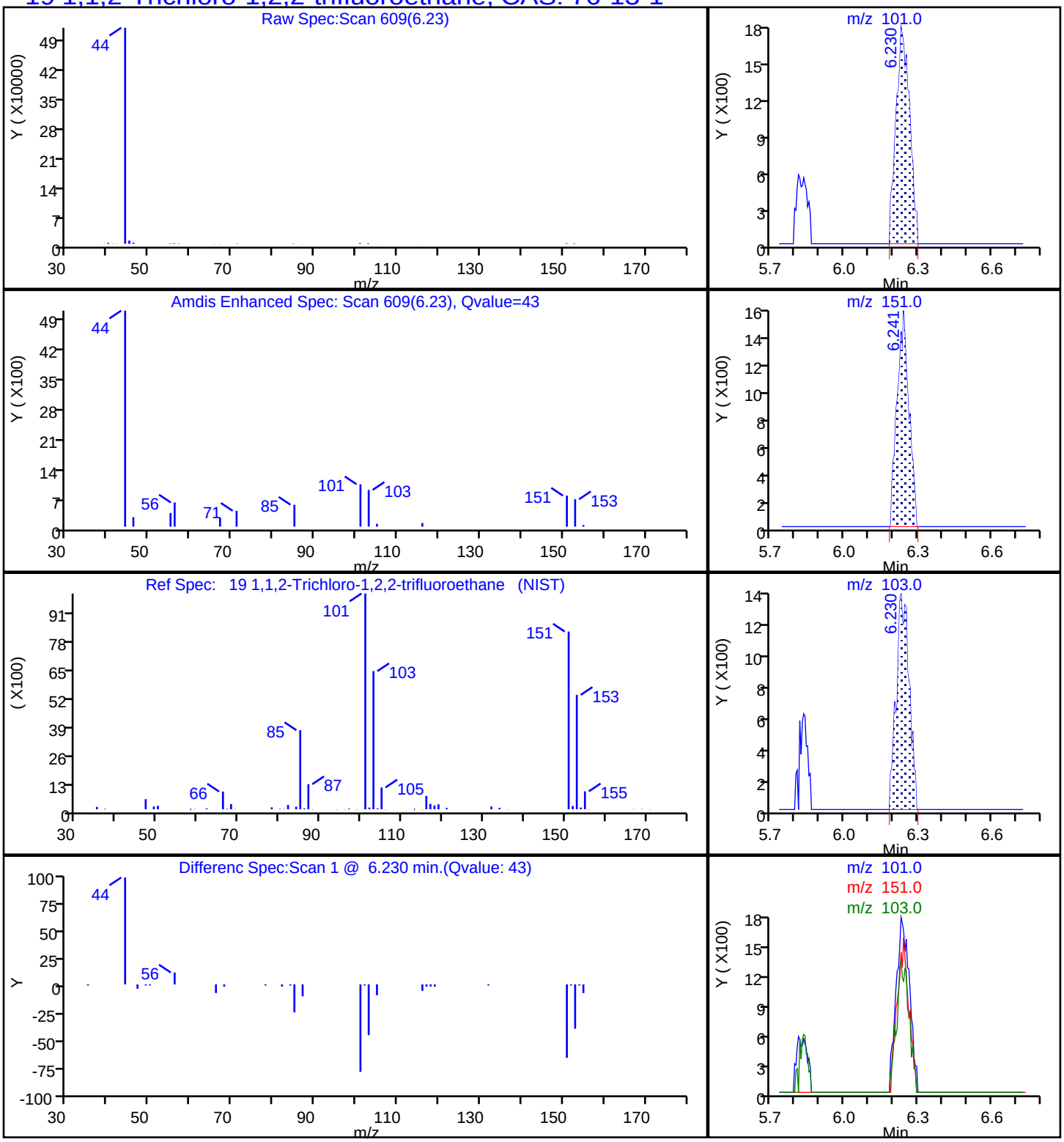


TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-17.D

Injection Date:	16-Apr-2018 23:54:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-1 DU	Lab Sample ID:	200-43091-1		
Client ID:	SV001				
Operator ID:	pad	ALS Bottle#:	17	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

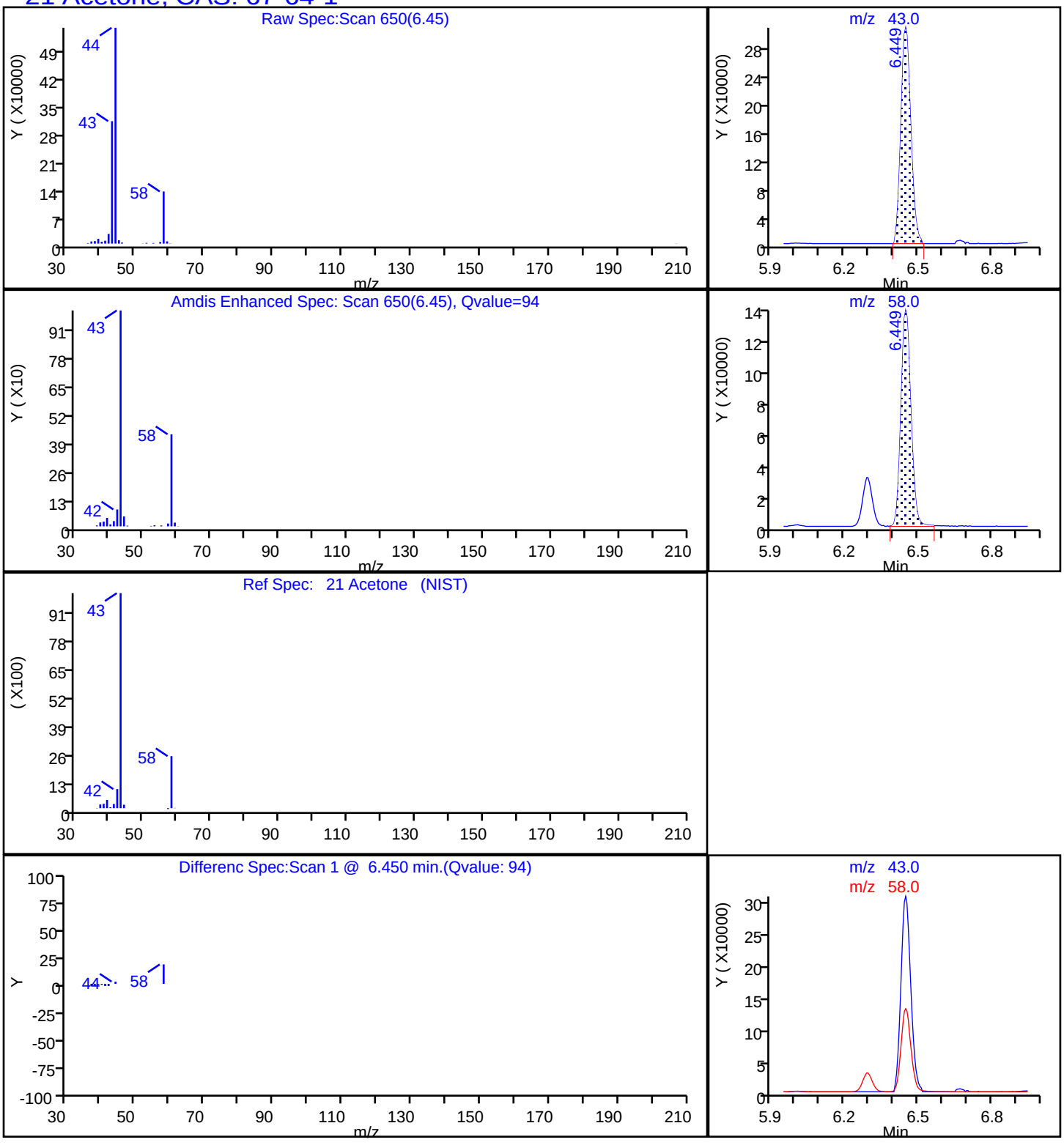
19 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1



TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-17.D				
Injection Date:	16-Apr-2018 23:54:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-1 DU	Lab Sample ID:	200-43091-1		
Client ID:	SV001				
Operator ID:	pad	ALS Bottle#:	17	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

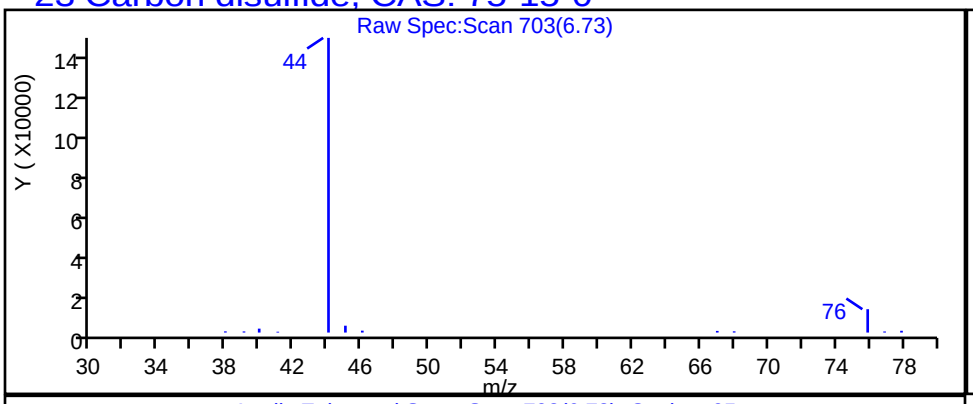
21 Acetone, CAS: 67-64-1

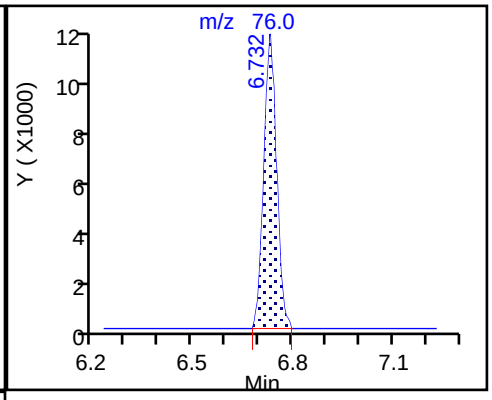


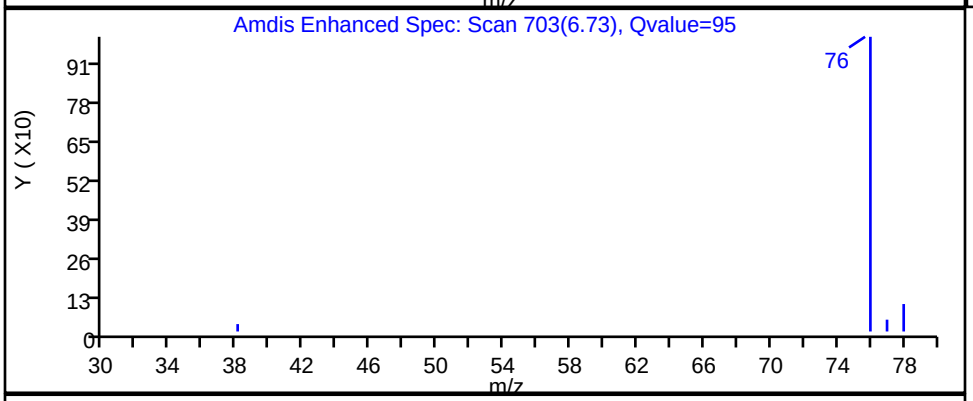
TestAmerica Burlington

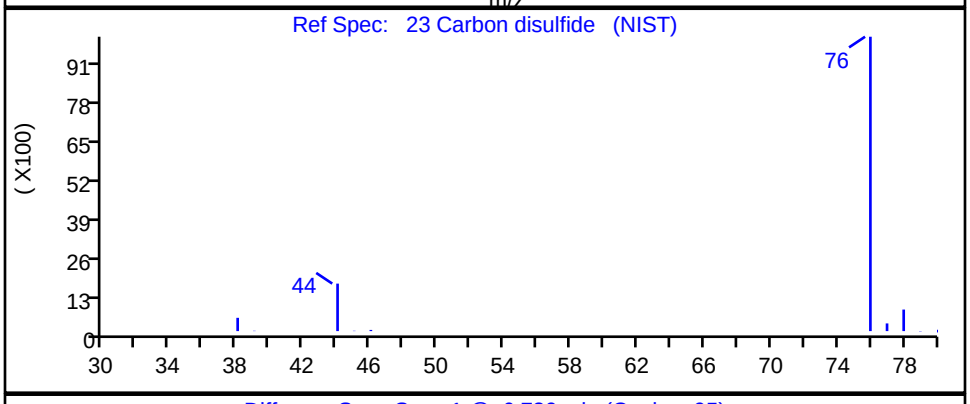
Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-17.D				
Injection Date:	16-Apr-2018 23:54:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-1 DU	Lab Sample ID:	200-43091-1		
Client ID:	SV001				
Operator ID:	pad	ALS Bottle#:	17	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

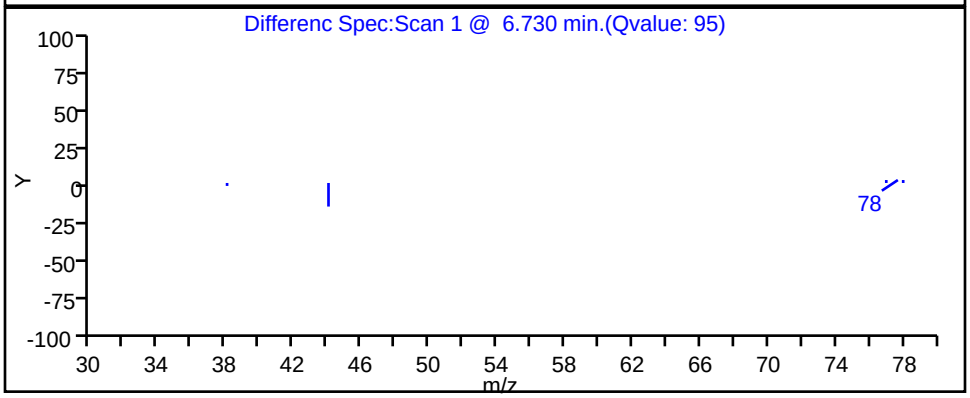
23 Carbon disulfide, CAS: 75-15-0







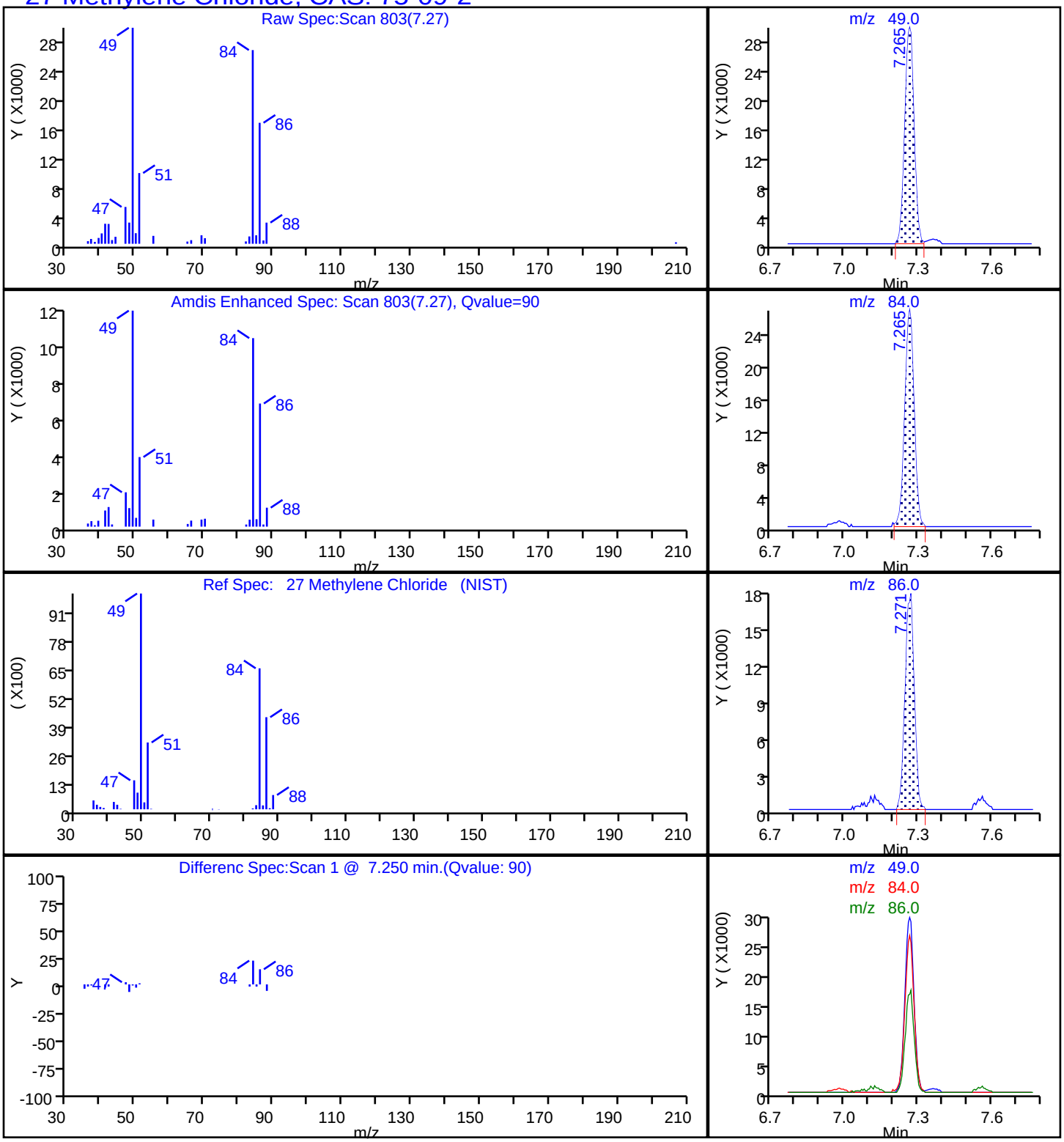




TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-17.D				
Injection Date:	16-Apr-2018 23:54:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-1 DU	Lab Sample ID:	200-43091-1		
Client ID:	SV001				
Operator ID:	pad	ALS Bottle#:	17	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

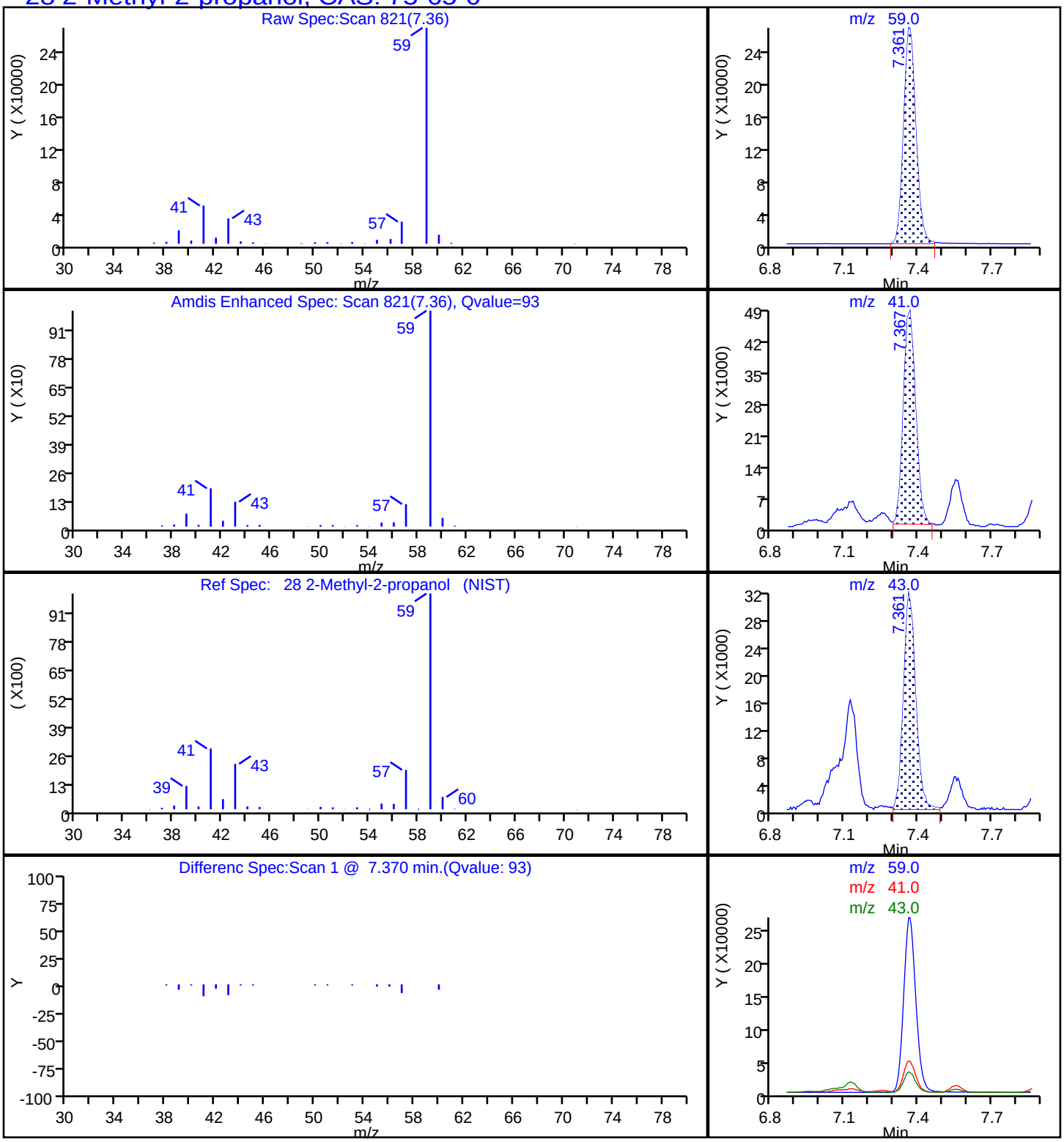
27 Methylene Chloride, CAS: 75-09-2



TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-17.D				
Injection Date:	16-Apr-2018 23:54:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-1 DU	Lab Sample ID:	200-43091-1		
Client ID:	SV001				
Operator ID:	pad	ALS Bottle#:	17	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

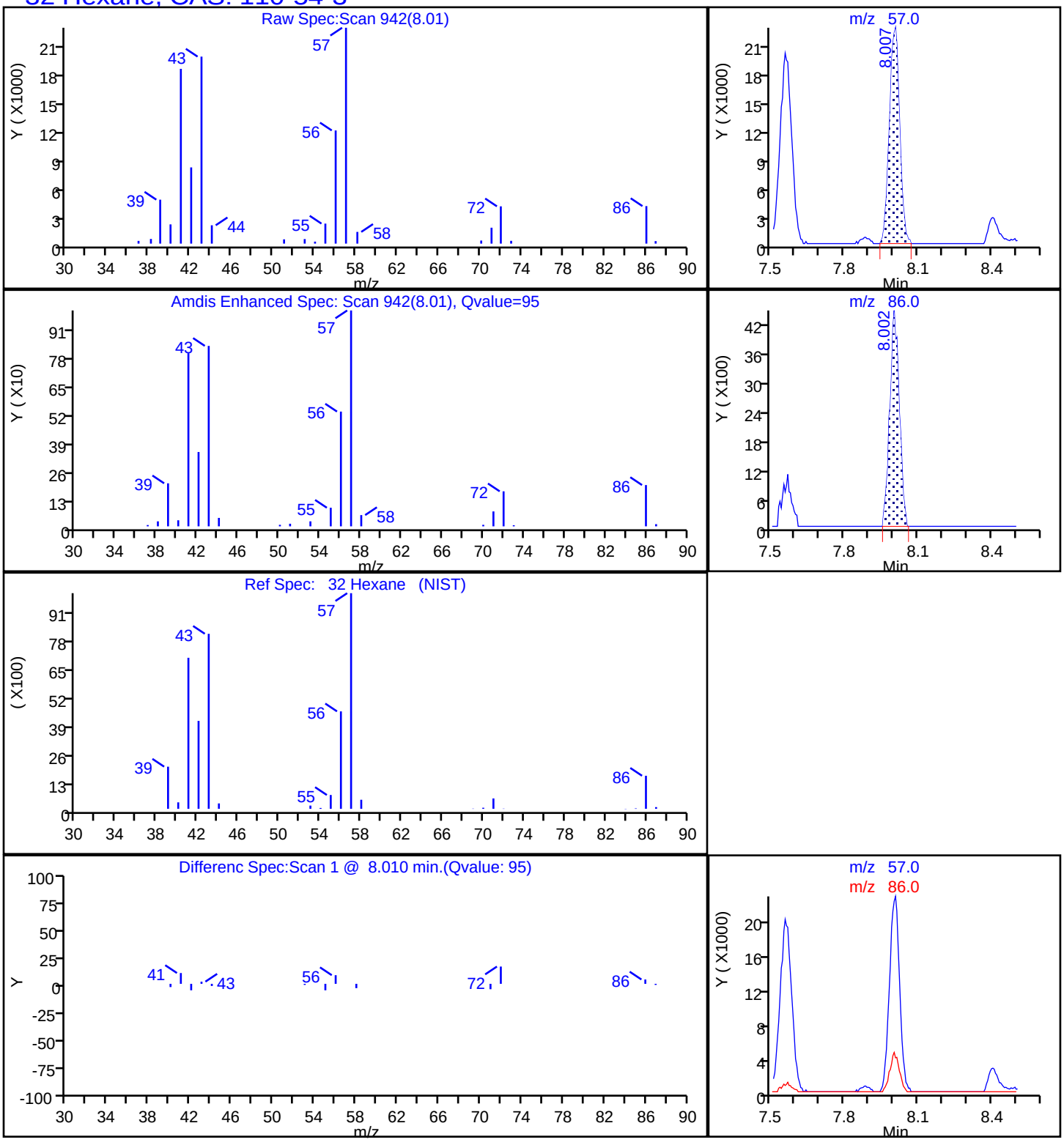
28 2-Methyl-2-propanol, CAS: 75-65-0



TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-17.D				
Injection Date:	16-Apr-2018 23:54:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-1 DU	Lab Sample ID:	200-43091-1		
Client ID:	SV001				
Operator ID:	pad	ALS Bottle#:	17	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

32 Hexane, CAS: 110-54-3

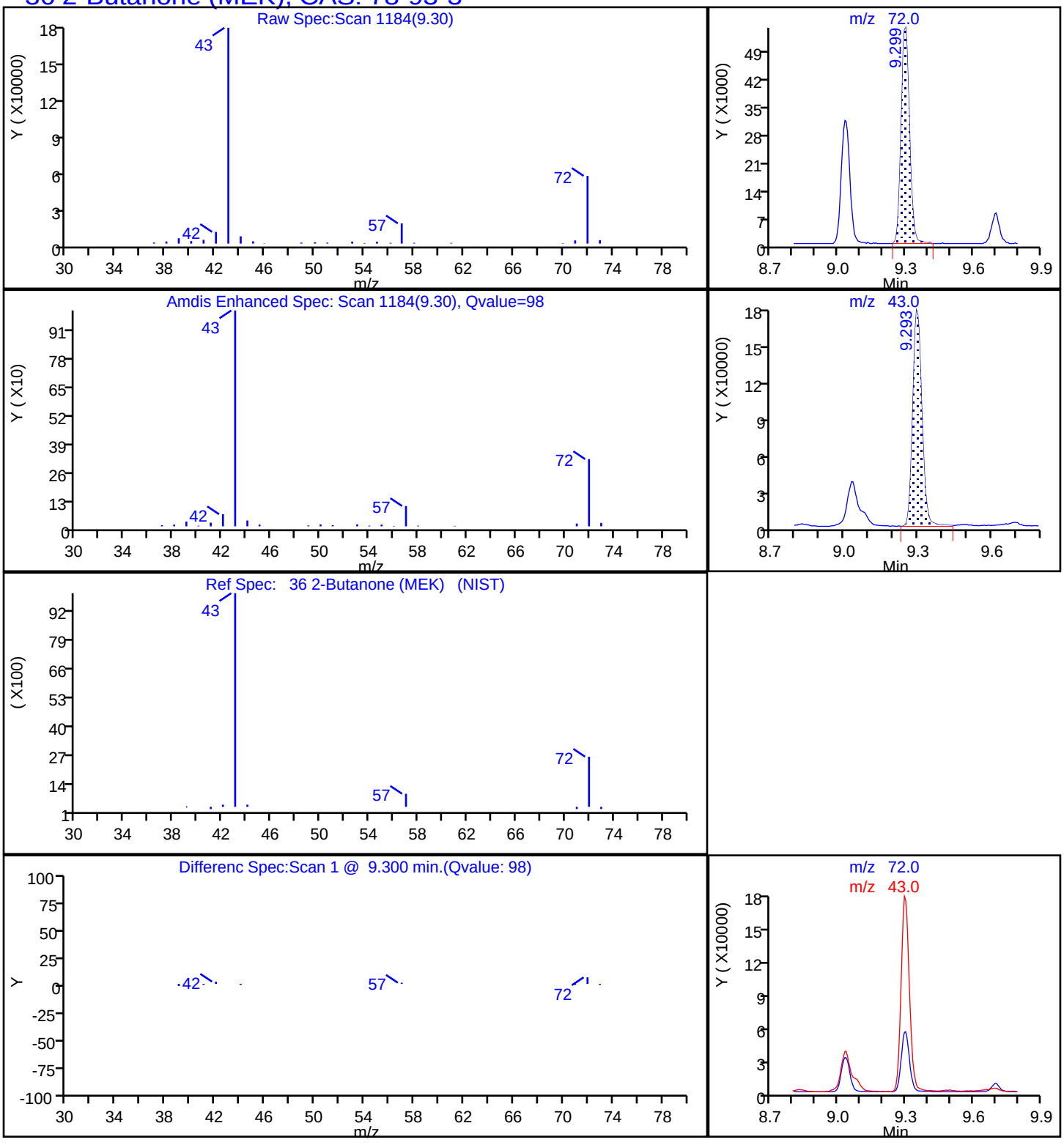


TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-17.D

Injection Date:	16-Apr-2018 23:54:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-1 DU	Lab Sample ID:	200-43091-1		
Client ID:	SV001				
Operator ID:	pad	ALS Bottle#:	17	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

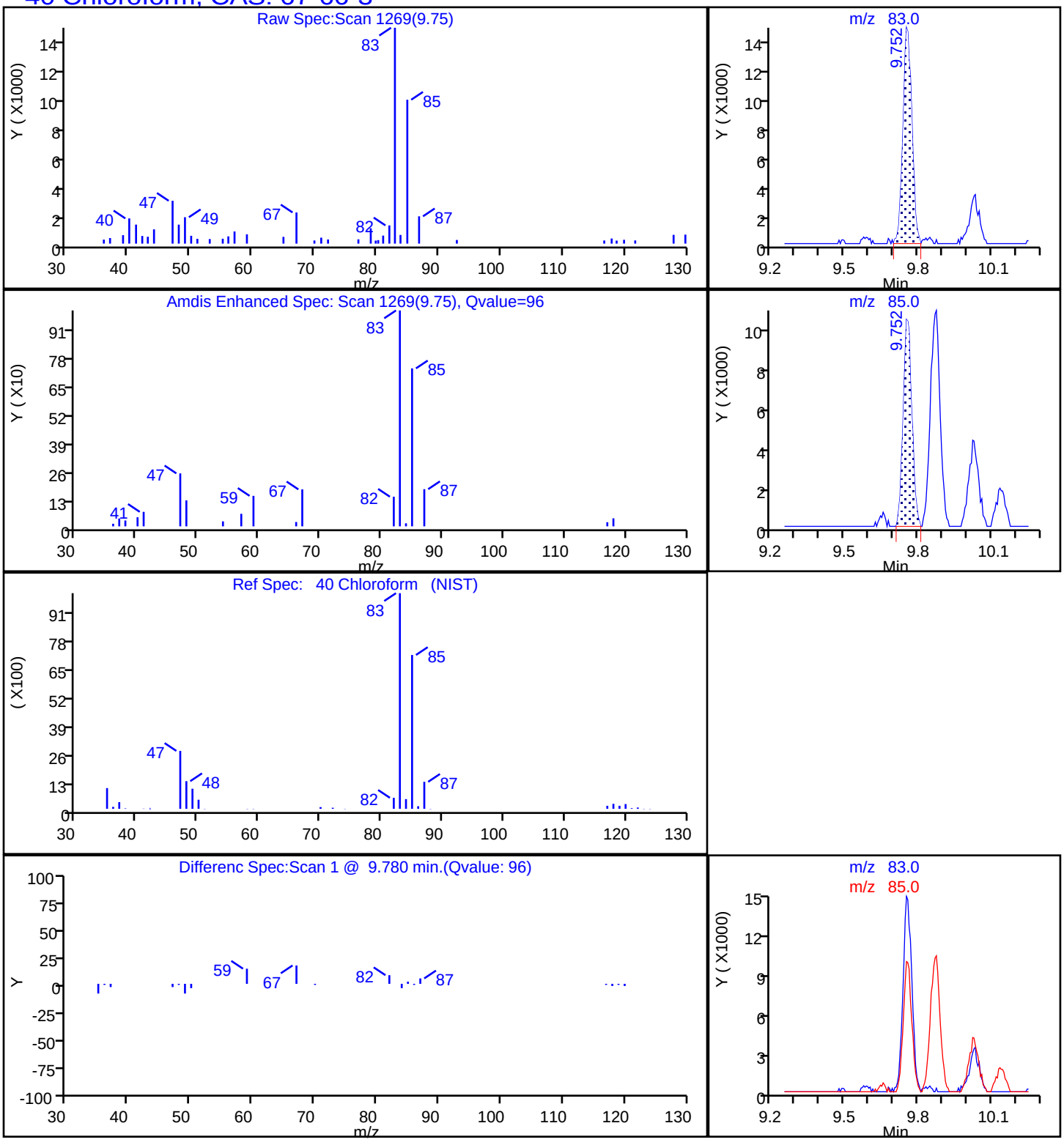
36 2-Butanone (MEK), CAS: 78-93-3



TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-17.D				
Injection Date:	16-Apr-2018 23:54:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-1 DU	Lab Sample ID:	200-43091-1		
Client ID:	SV001				
Operator ID:	pad	ALS Bottle#:	17	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

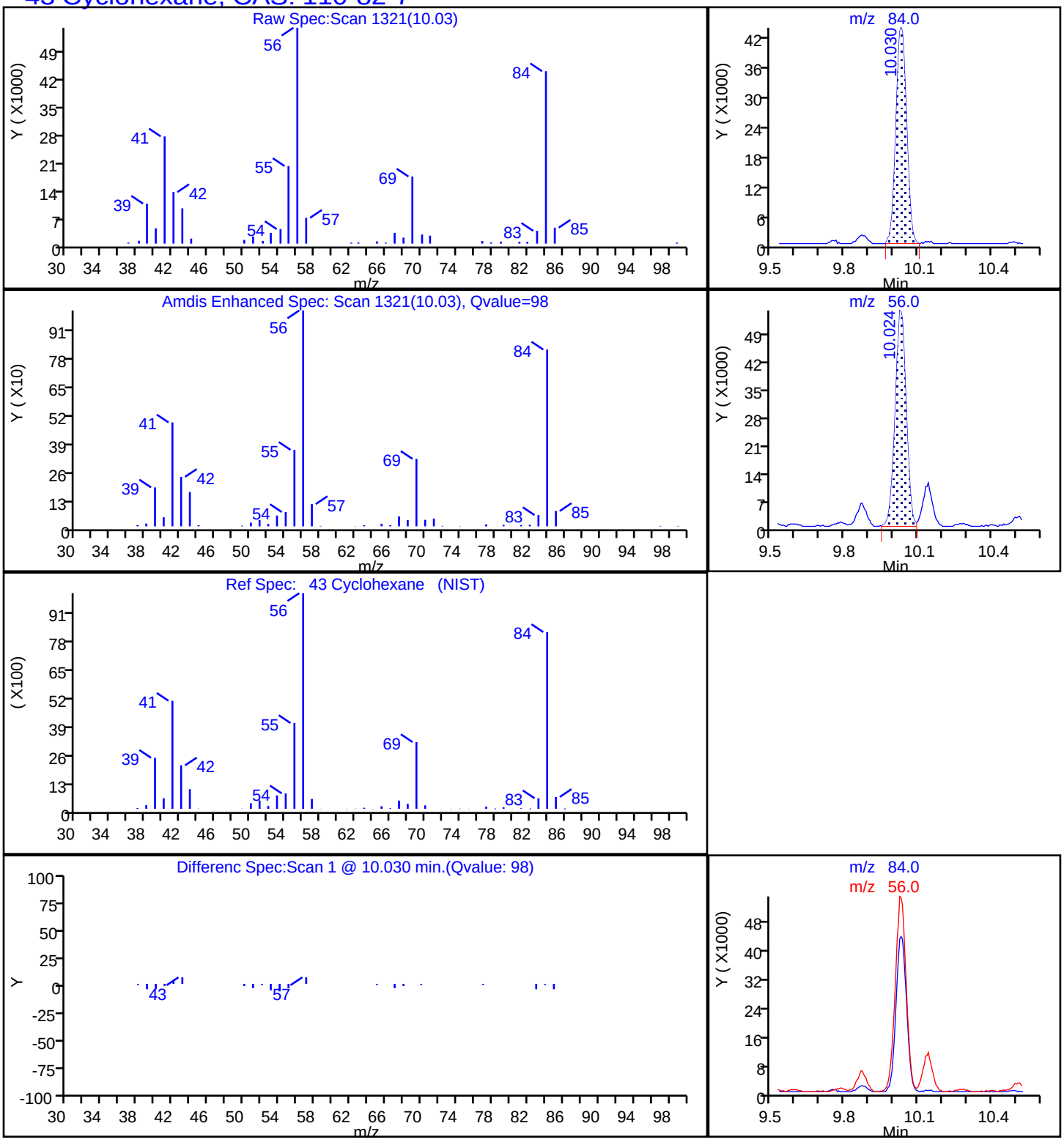
40 Chloroform, CAS: 67-66-3



TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-17.D				
Injection Date:	16-Apr-2018 23:54:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-1 DU	Lab Sample ID:	200-43091-1		
Client ID:	SV001				
Operator ID:	pad	ALS Bottle#:	17	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

43 Cyclohexane, CAS: 110-82-7

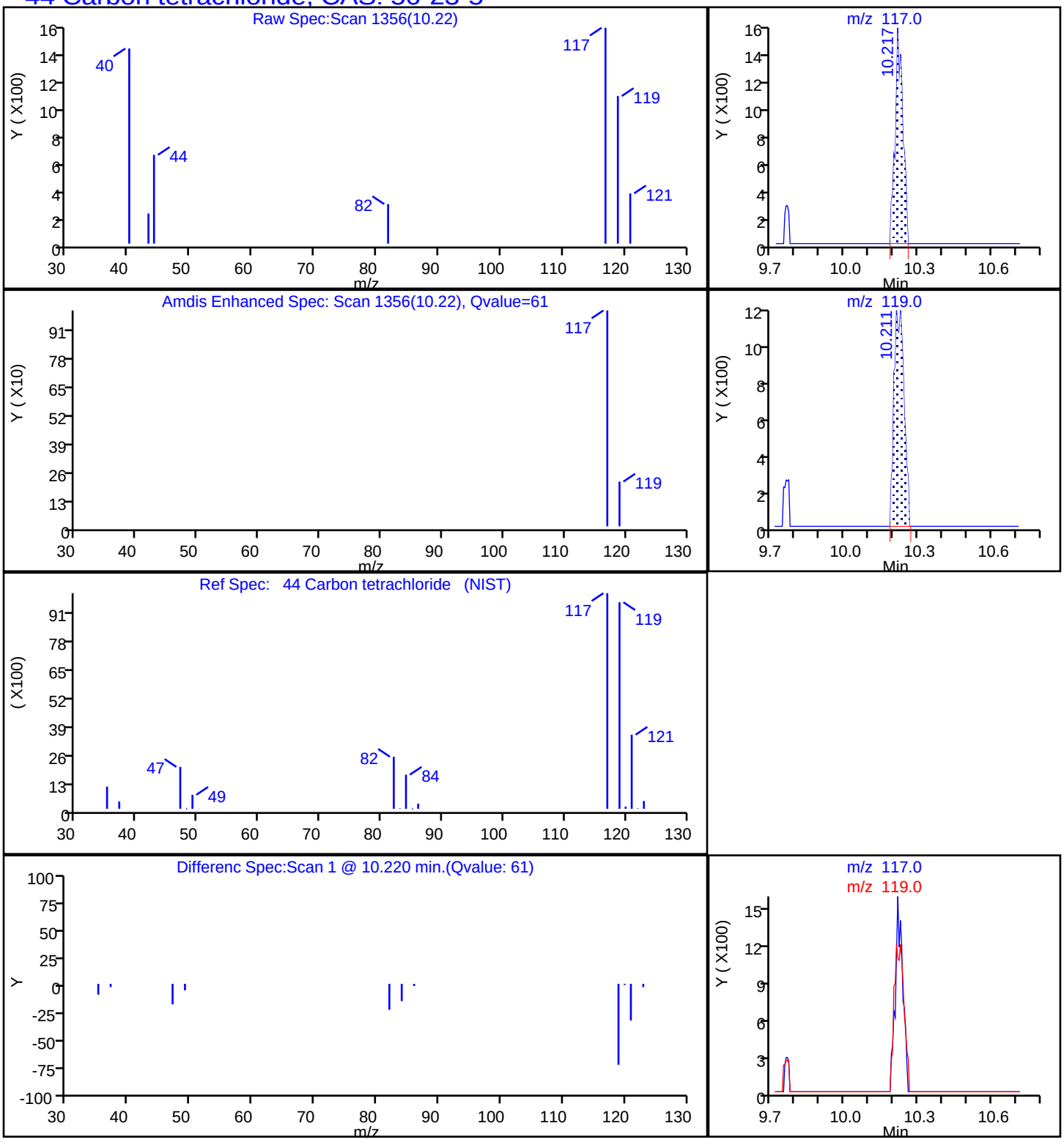


TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-17.D

Injection Date:	16-Apr-2018 23:54:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-1 DU	Lab Sample ID:	200-43091-1		
Client ID:	SV001				
Operator ID:	pad	ALS Bottle#:	17	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

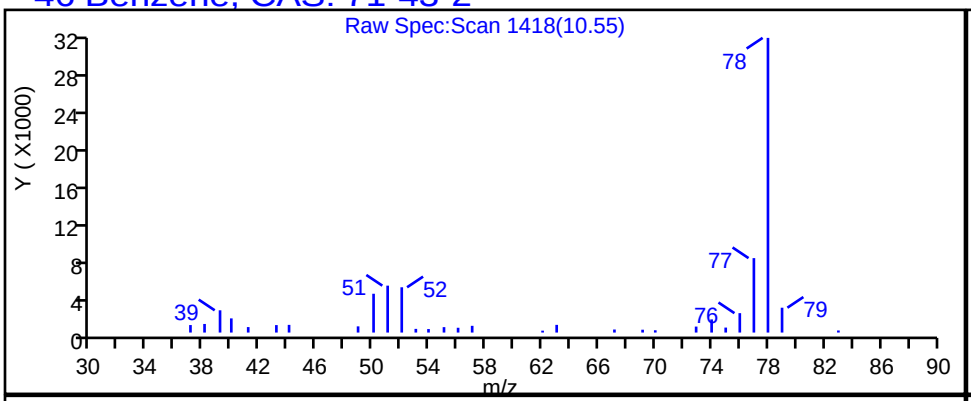
44 Carbon tetrachloride, CAS: 56-23-5

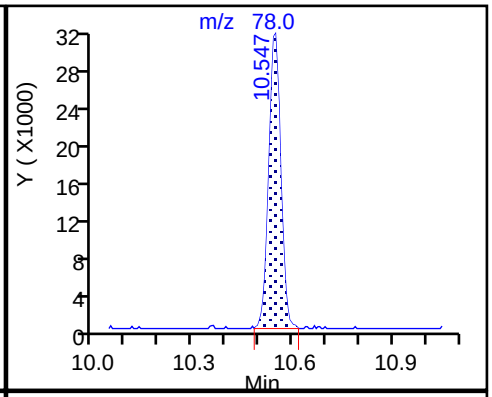


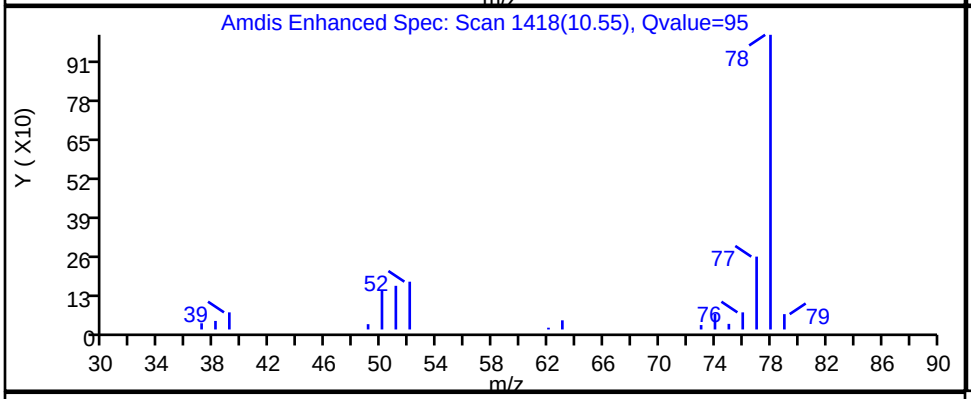
TestAmerica Burlington

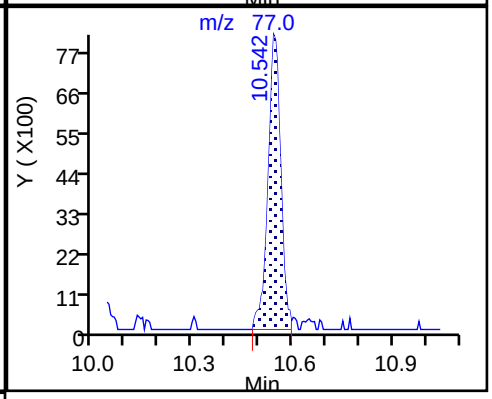
Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-17.D		
Injection Date:	16-Apr-2018 23:54:30	Instrument ID:	CHB.i
Lims ID:	200-43091-A-1 DU	Lab Sample ID:	200-43091-1
Client ID:	SV001		
Operator ID:	pad	ALS Bottle#:	17 Worklist Smp#: 17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

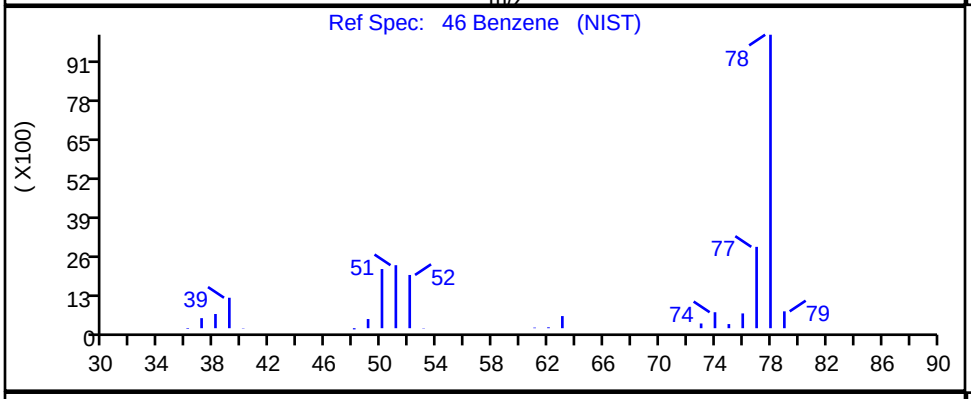
46 Benzene, CAS: 71-43-2

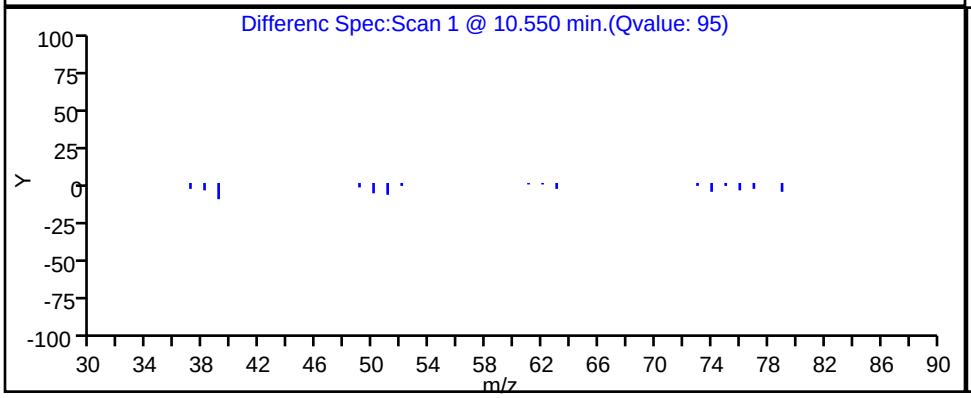


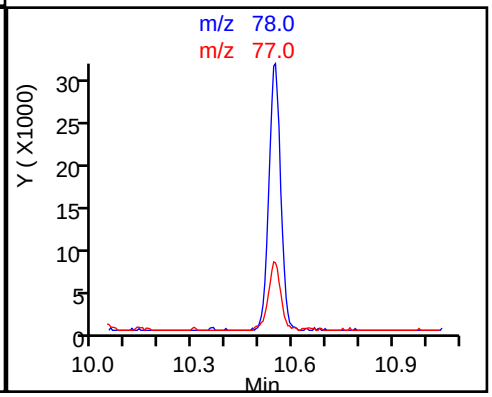










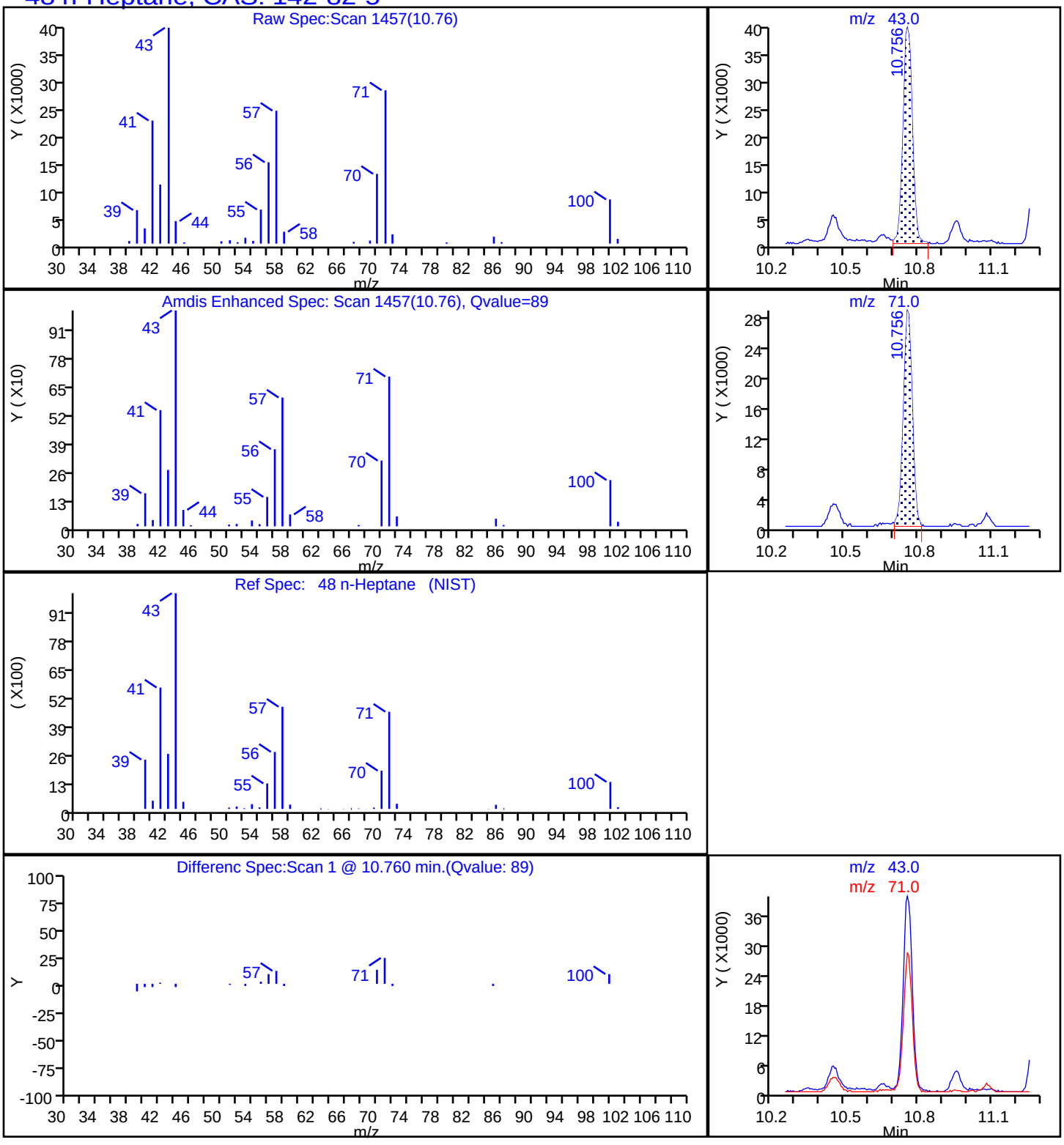


TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-17.D

Injection Date:	16-Apr-2018 23:54:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-1 DU	Lab Sample ID:	200-43091-1		
Client ID:	SV001				
Operator ID:	pad	ALS Bottle#:	17	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

48 n-Heptane, CAS: 142-82-5



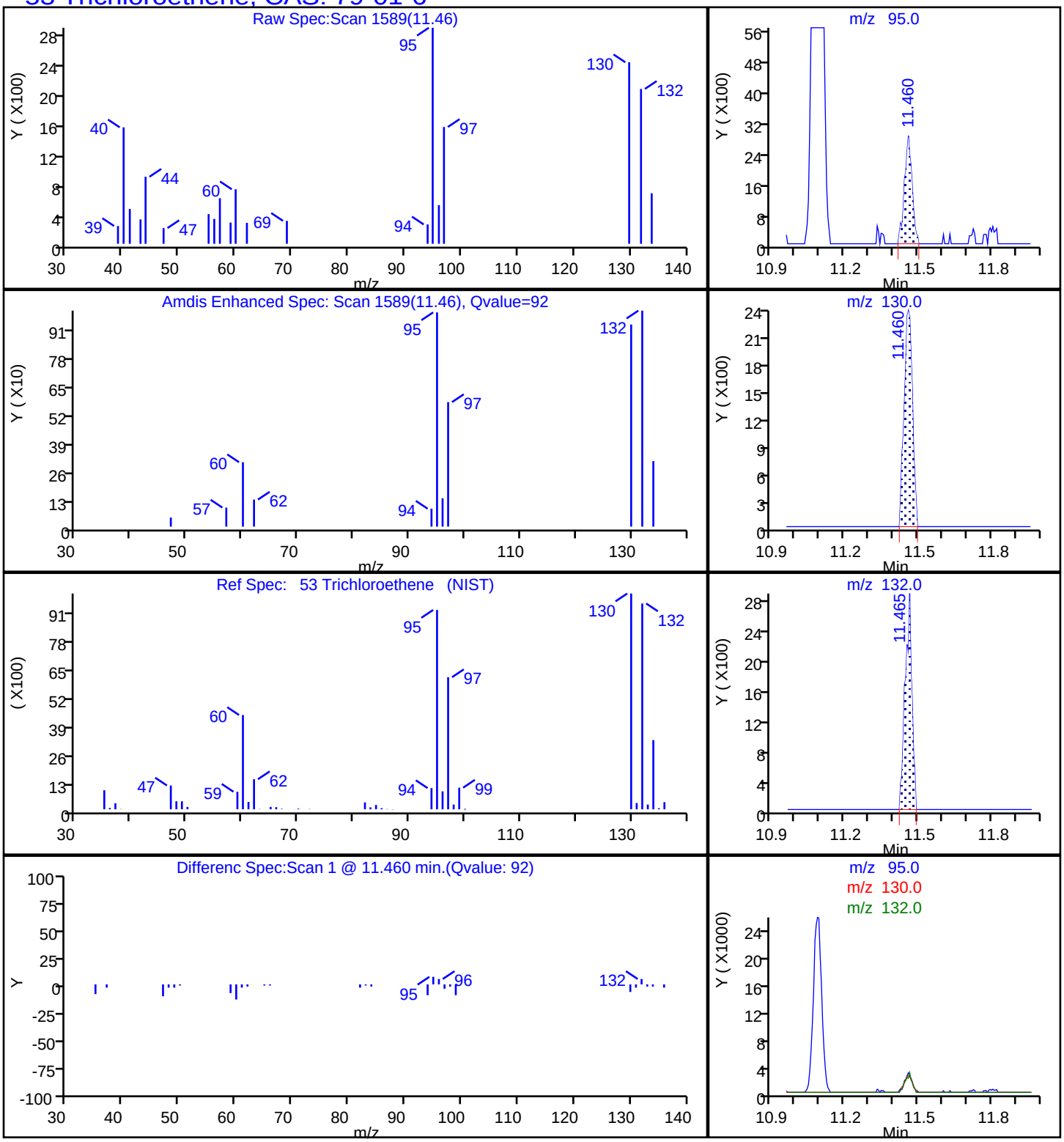
Report Date: 17-Apr-2018 15:25:08 Chrom Revision: 2.2 13-Mar-2018 08:45:20

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-17.D

Injection Date:	16-Apr-2018 23:54:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-1 DU	Lab Sample ID:	200-43091-1		
Client ID:	SV001				
Operator ID:	pad	ALS Bottle#:	17	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

53 Trichloroethene, CAS: 79-01-6



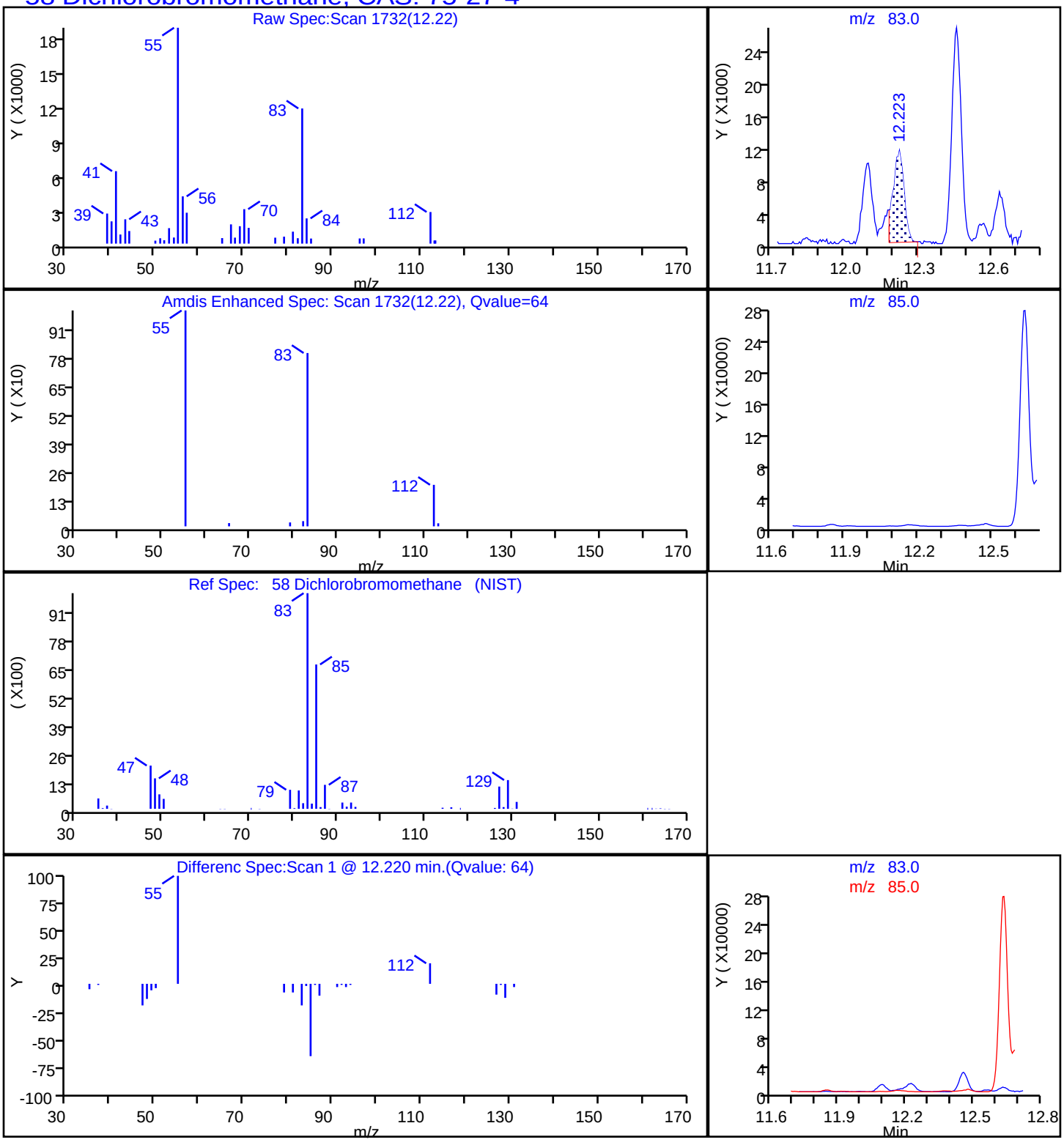
Report Date: 17-Apr-2018 15:25:08 Chrom Revision: 2.2 13-Mar-2018 08:45:20

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-17.D

Injection Date:	16-Apr-2018 23:54:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-1 DU	Lab Sample ID:	200-43091-1		
Client ID:	SV001				
Operator ID:	pad	ALS Bottle#:	17	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

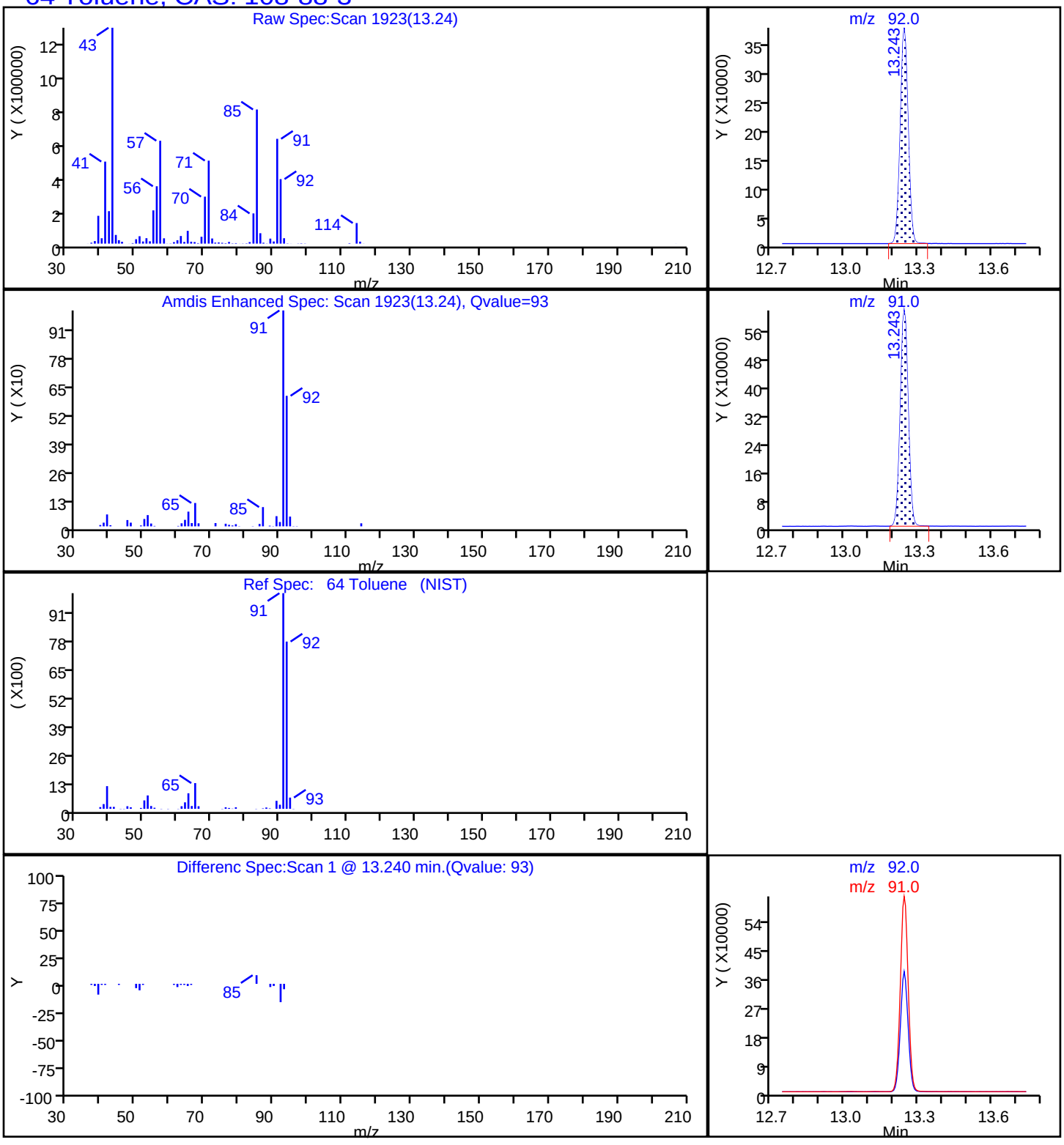
58 Dichlorobromomethane, CAS: 75-27-4



TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-17.D				
Injection Date:	16-Apr-2018 23:54:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-1 DU	Lab Sample ID:	200-43091-1		
Client ID:	SV001				
Operator ID:	pad	ALS Bottle#:	17	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

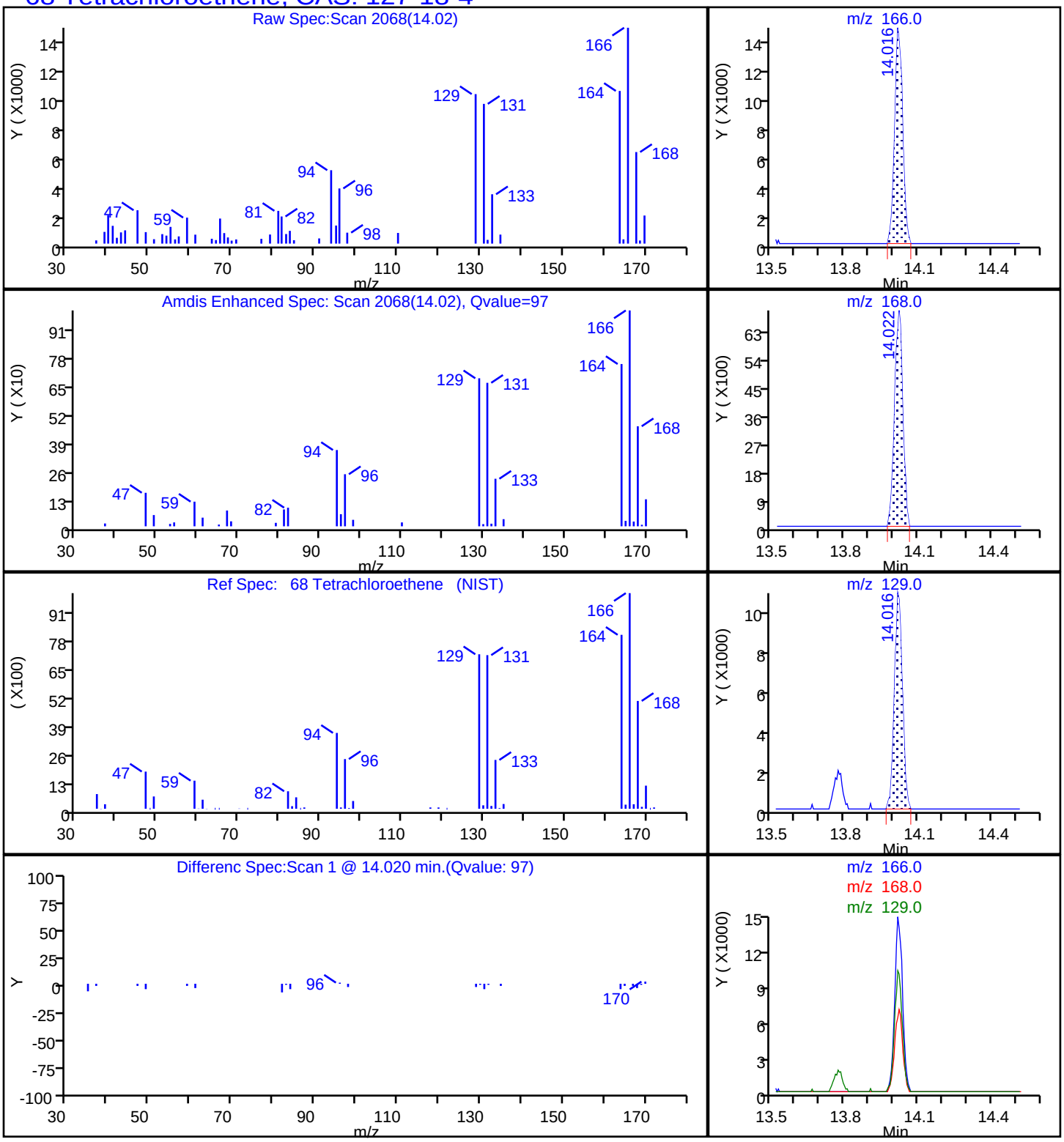
64 Toluene, CAS: 108-88-3



TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-17.D				
Injection Date:	16-Apr-2018 23:54:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-1 DU	Lab Sample ID:	200-43091-1		
Client ID:	SV001				
Operator ID:	pad	ALS Bottle#:	17	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

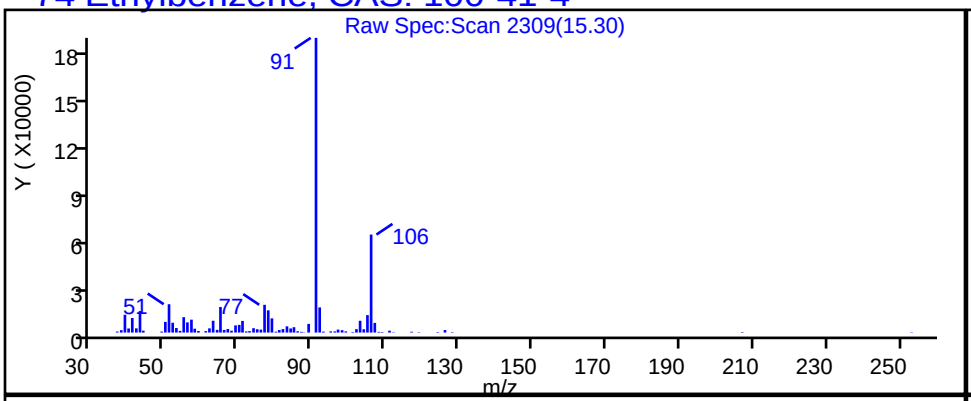
68 Tetrachloroethene, CAS: 127-18-4

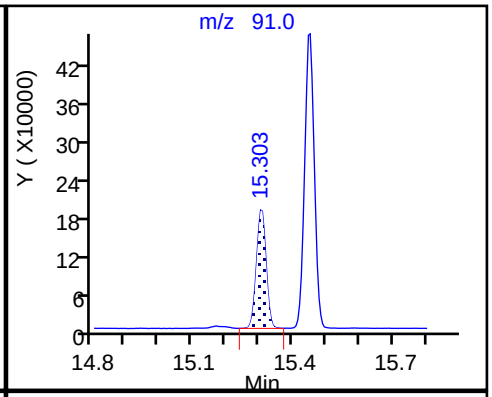


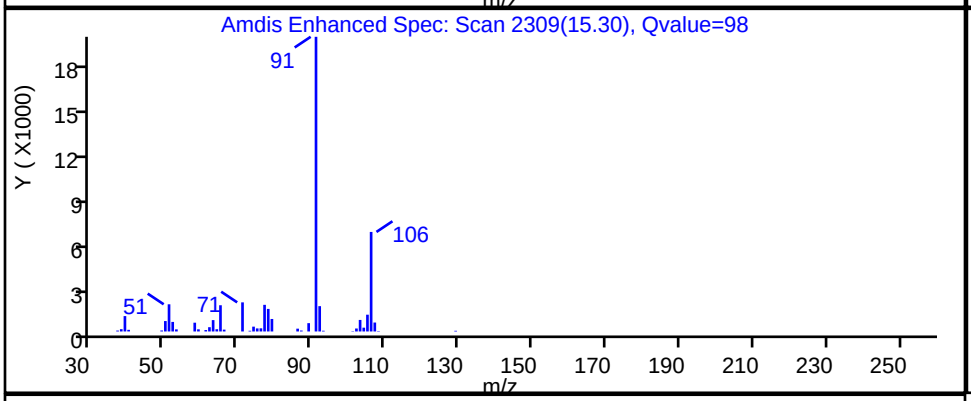
TestAmerica Burlington

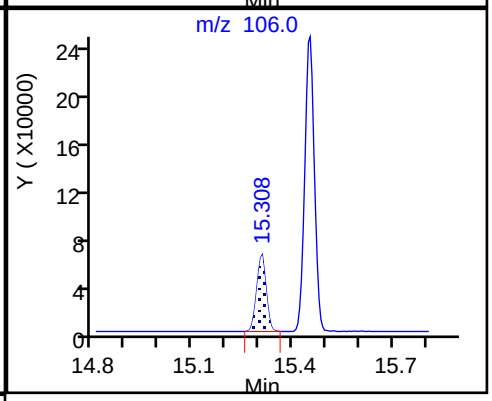
Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-17.D				
Injection Date:	16-Apr-2018 23:54:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-1 DU	Lab Sample ID:	200-43091-1		
Client ID:	SV001				
Operator ID:	pad	ALS Bottle#:	17	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

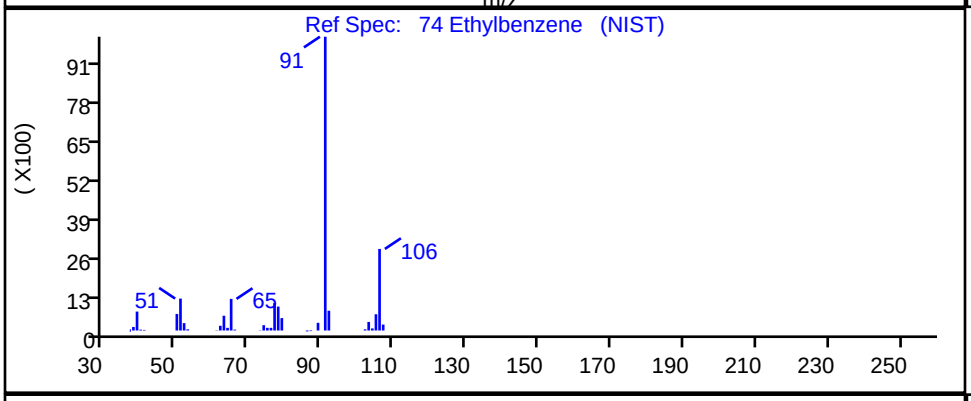
74 Ethylbenzene, CAS: 100-41-4

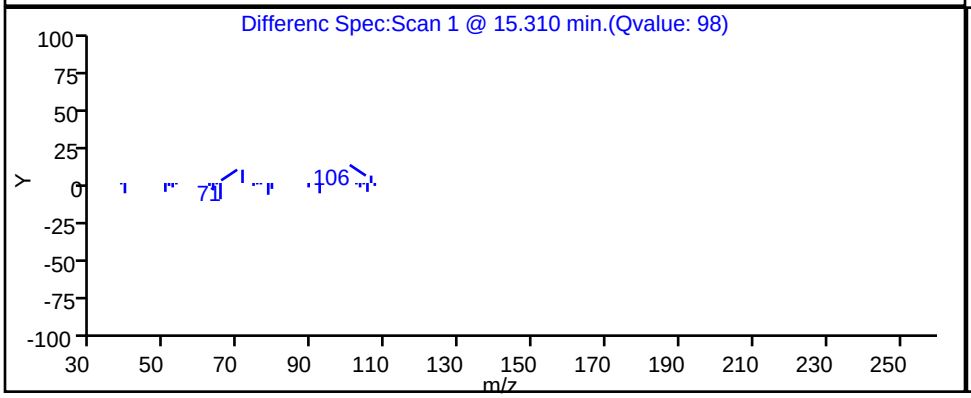


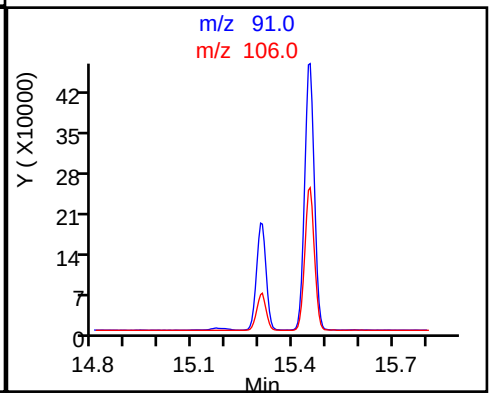








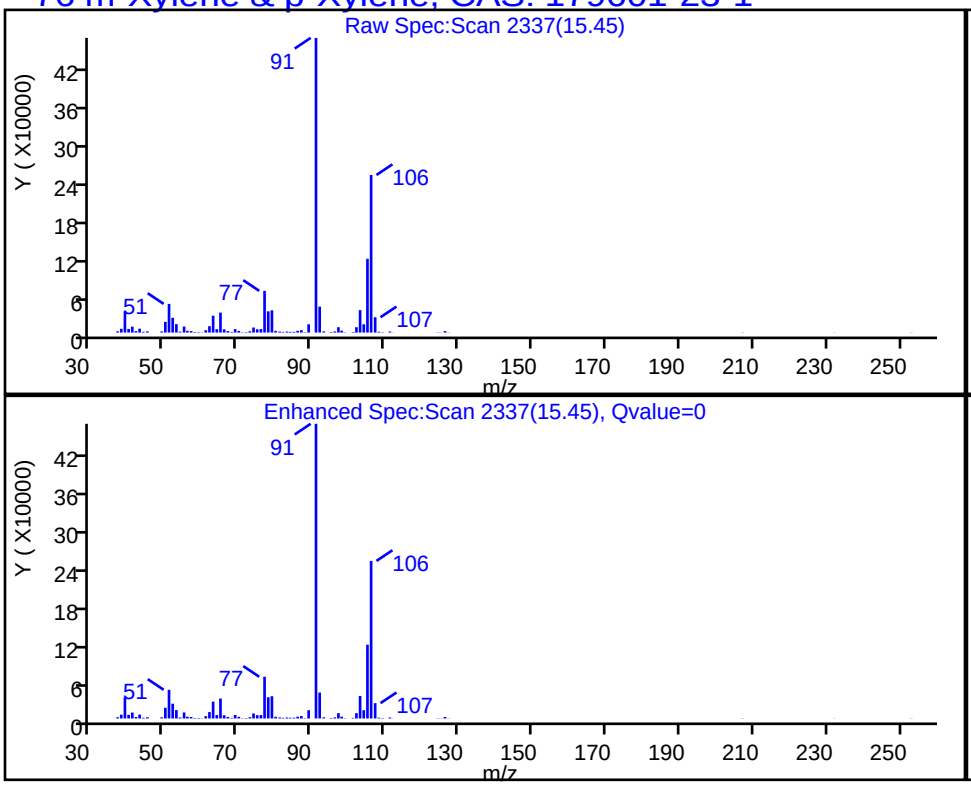


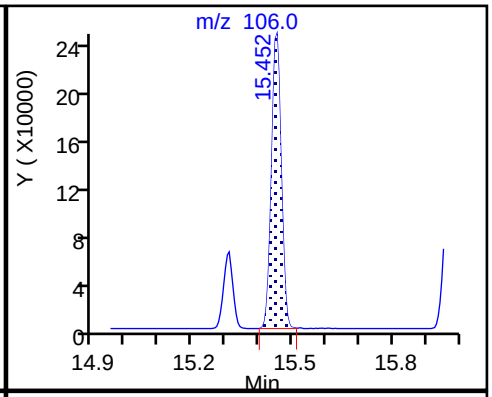


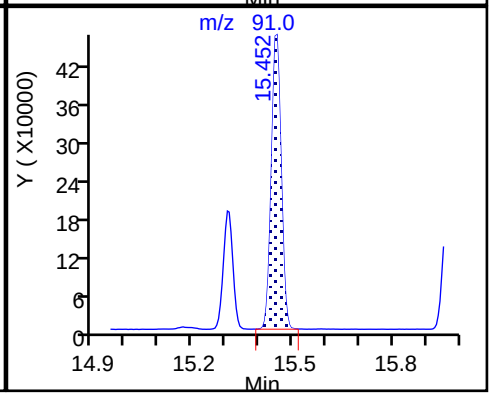
TestAmerica Burlington

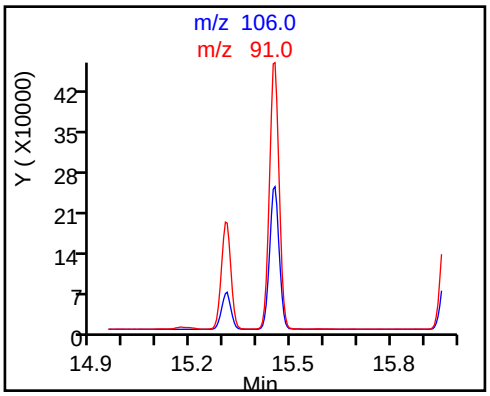
Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-17.D				
Injection Date:	16-Apr-2018 23:54:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-1 DU	Lab Sample ID:	200-43091-1		
Client ID:	SV001				
Operator ID:	pad	ALS Bottle#:	17	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

76 m-Xylene & p-Xylene, CAS: 179601-23-1









TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-17.D				
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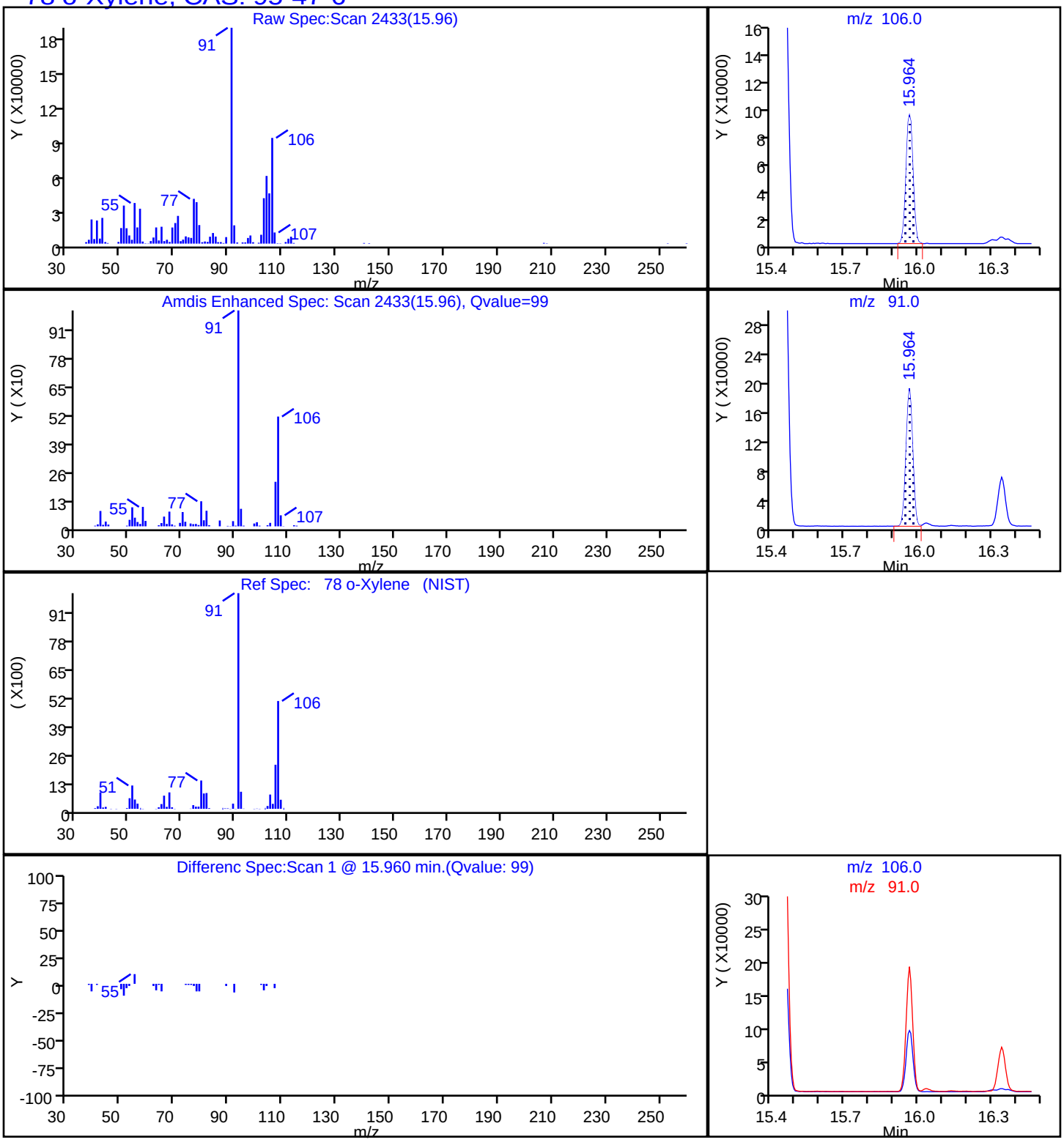
Lims ID:	200-43091-A-1 DU	Lab Sample ID:	200-43091-1		
Client ID:	SV001				
Operator ID:	pad	ALS Bottle#:	17	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

78 o-Xylene, CAS: 95-47-6



TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-17.D				
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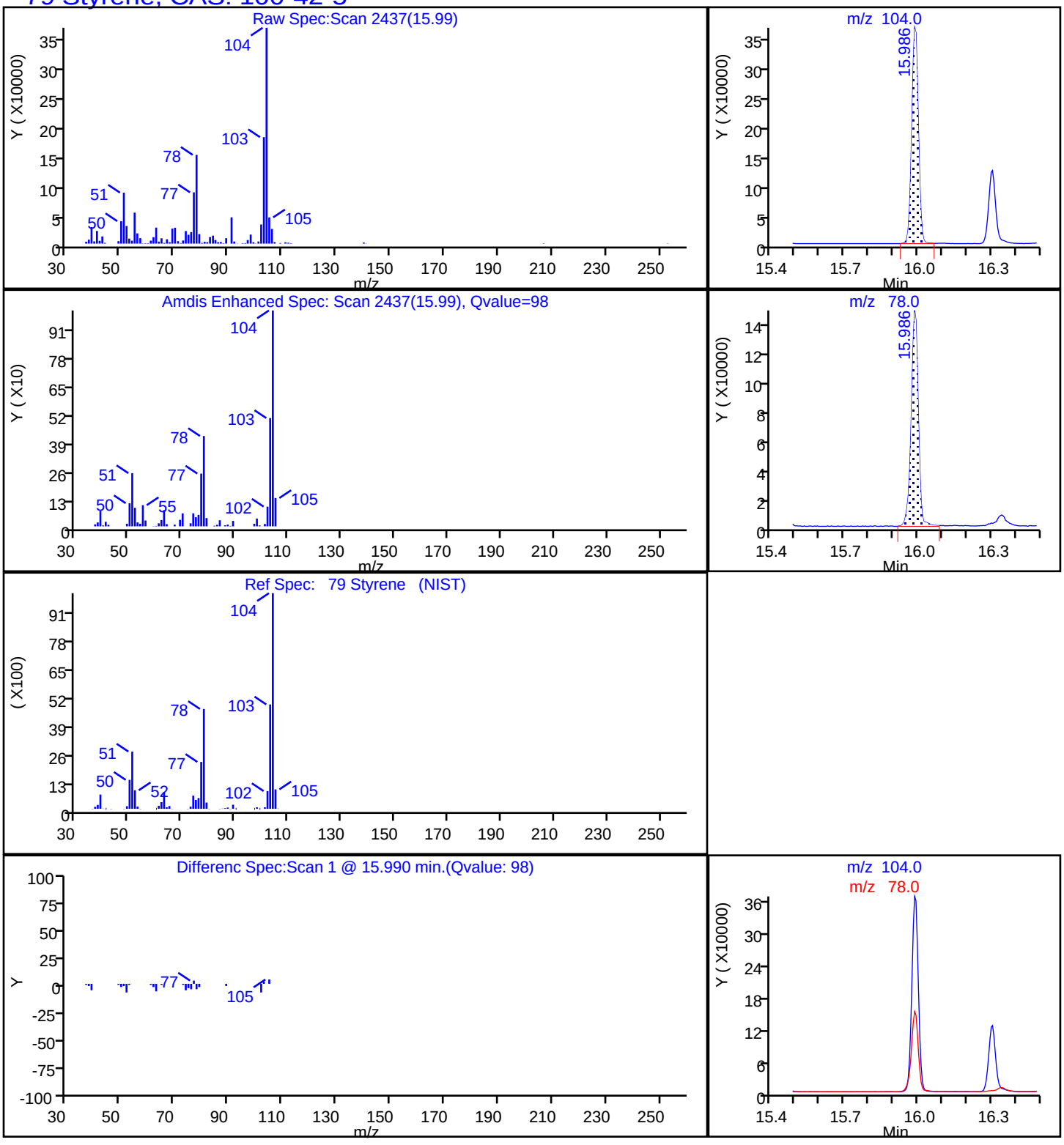
Lims ID:	200-43091-A-1 DU	Lab Sample ID:	200-43091-1		
Client ID:	SV001				
Operator ID:	pad	ALS Bottle#:	17	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

79 Styrene, CAS: 100-42-5



TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-17.D				
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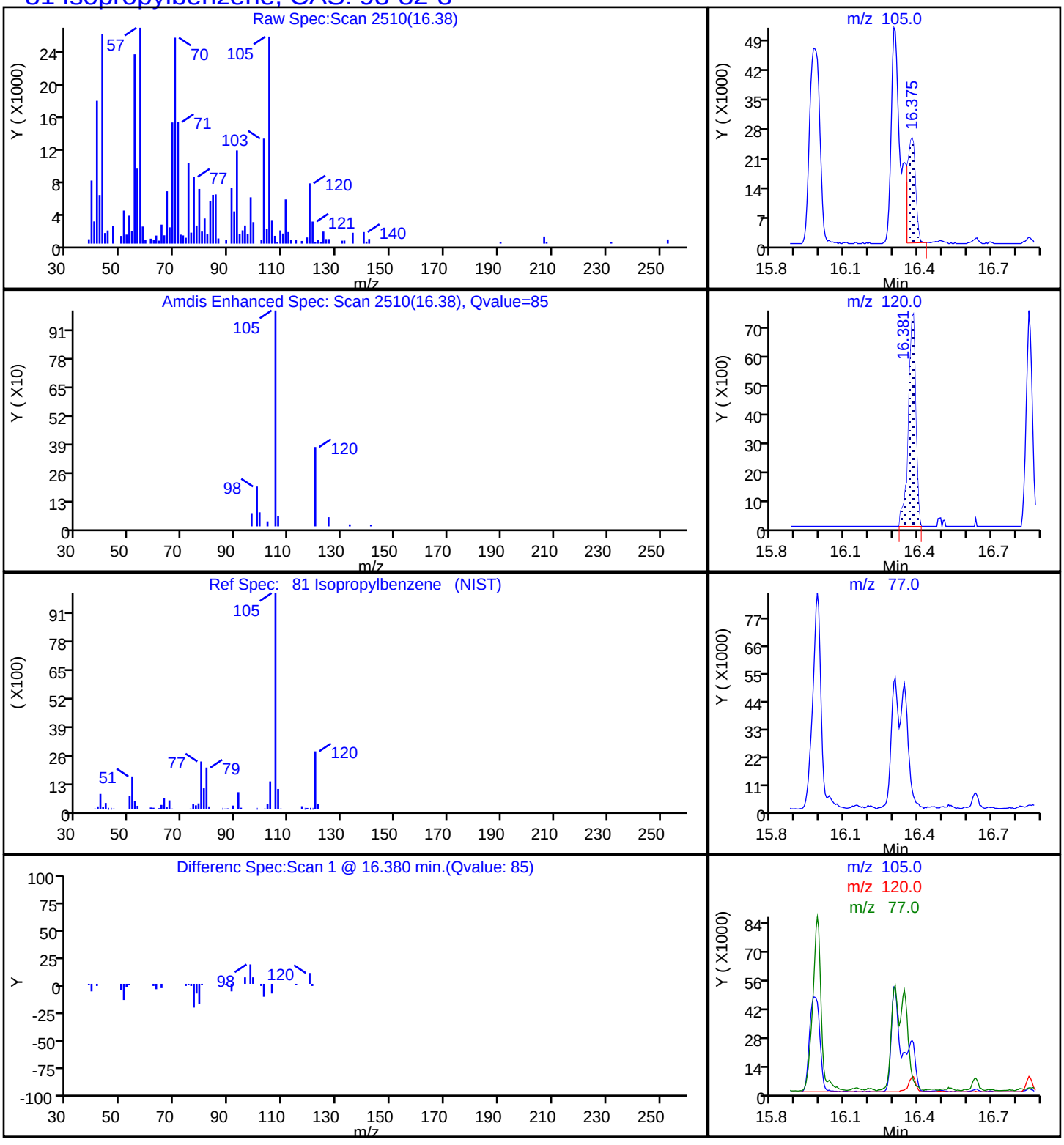
Lims ID:	200-43091-A-1 DU	Lab Sample ID:	200-43091-1		
Client ID:	SV001				
Operator ID:	pad	ALS Bottle#:	17	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

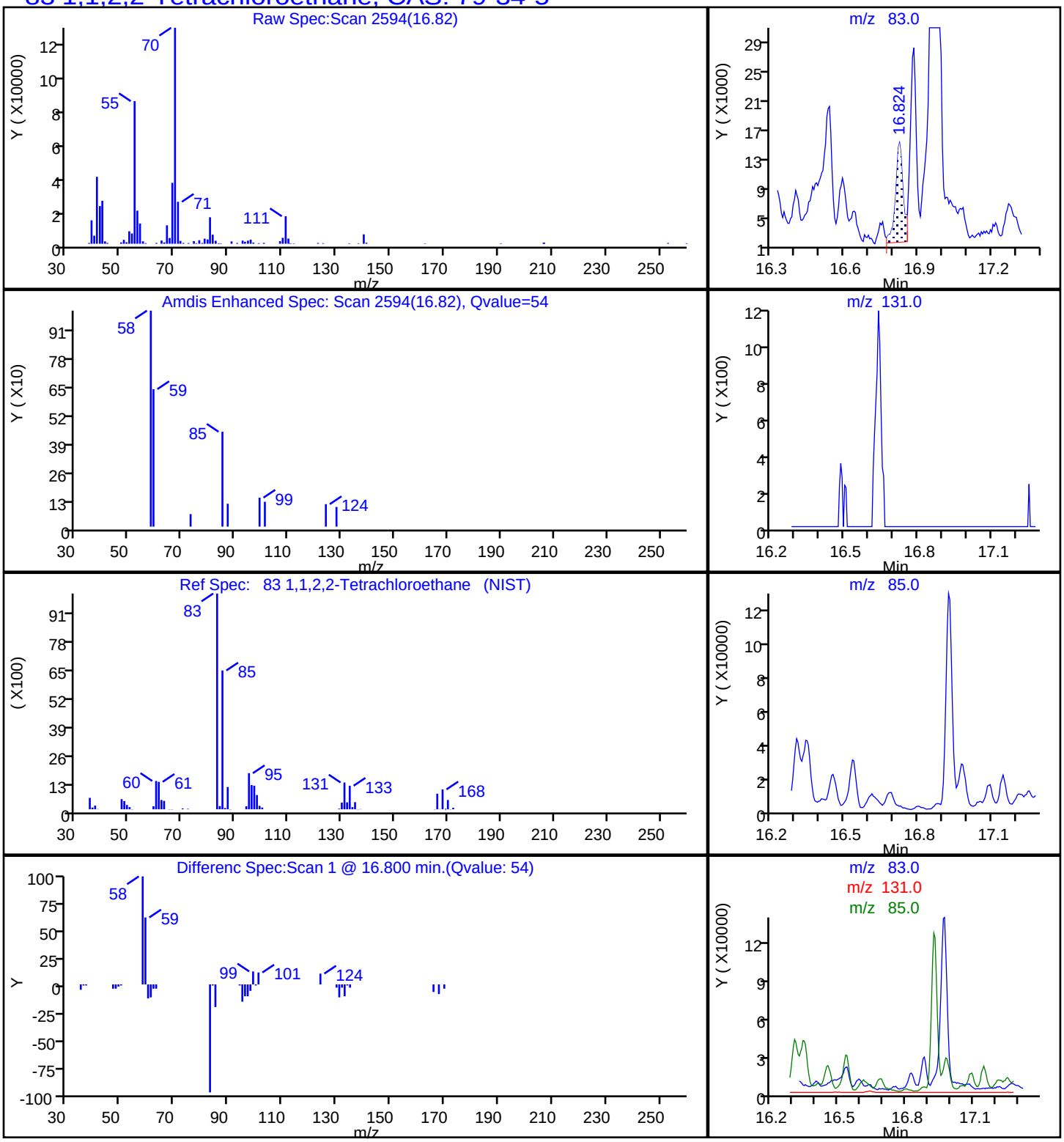
81 Isopropylbenzene, CAS: 98-82-8



TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-17.D				
Injection Date:	16-Apr-2018 23:54:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-1 DU	Lab Sample ID:	200-43091-1		
Client ID:	SV001				
Operator ID:	pad	ALS Bottle#:	17	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

83 1,1,2,2-Tetrachloroethane, CAS: 79-34-5



TestAmerica Burlington

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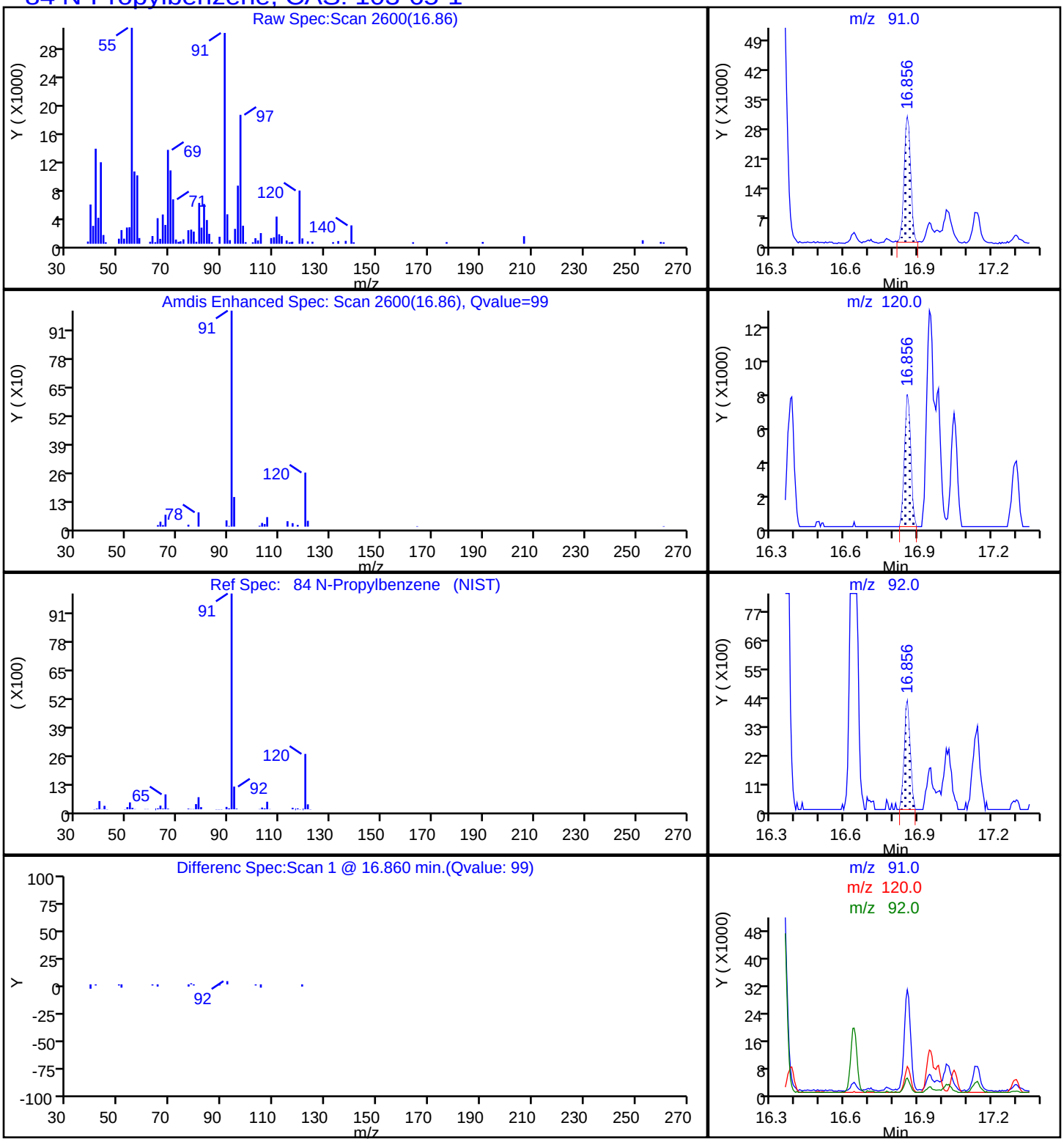
Lims ID:	200-43091-A-1 DU	Lab Sample ID:	200-43091-1		
Client ID:	SV001				
Operator ID:	pad	ALS Bottle#:	17	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

84 N-Propylbenzene, CAS: 103-65-1



TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-17.D				
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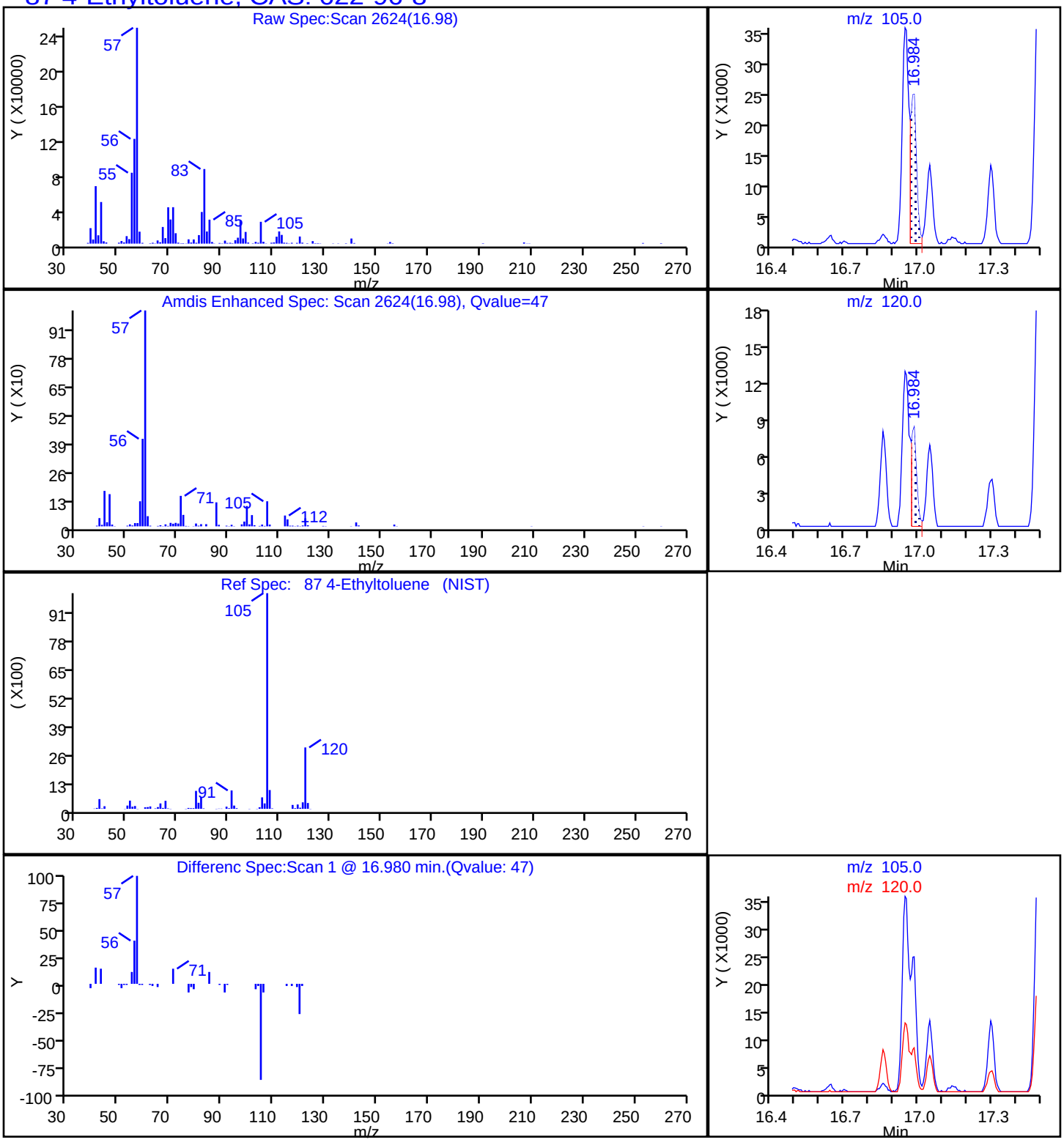
Lims ID:	200-43091-A-1 DU	Lab Sample ID:	200-43091-1		
Client ID:	SV001				
Operator ID:	pad	ALS Bottle#:	17	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

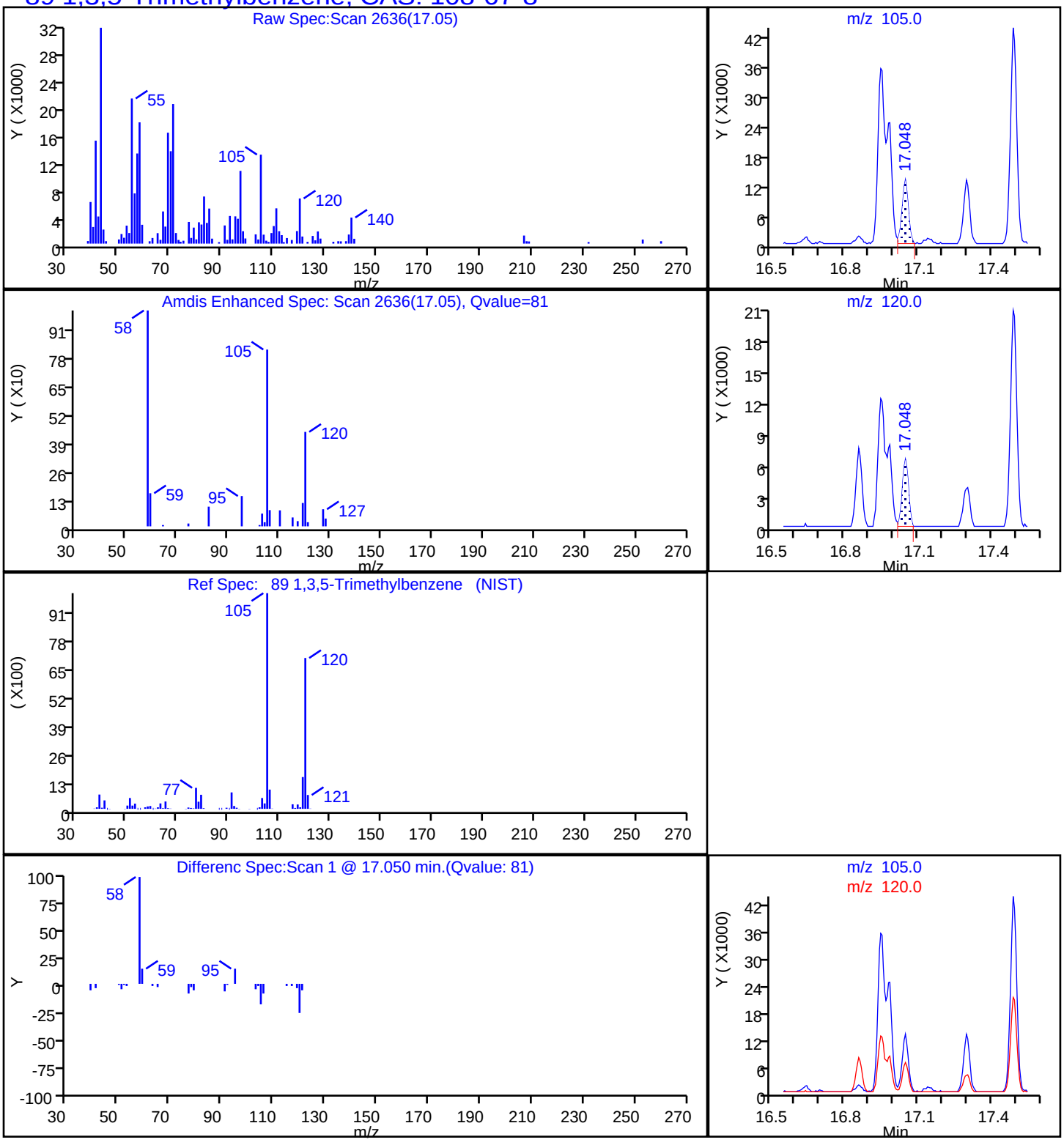
87 4-Ethyltoluene, CAS: 622-96-8



TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-17.D				
Injection Date:	16-Apr-2018 23:54:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-1 DU	Lab Sample ID:	200-43091-1		
Client ID:	SV001				
Operator ID:	pad	ALS Bottle#:	17	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

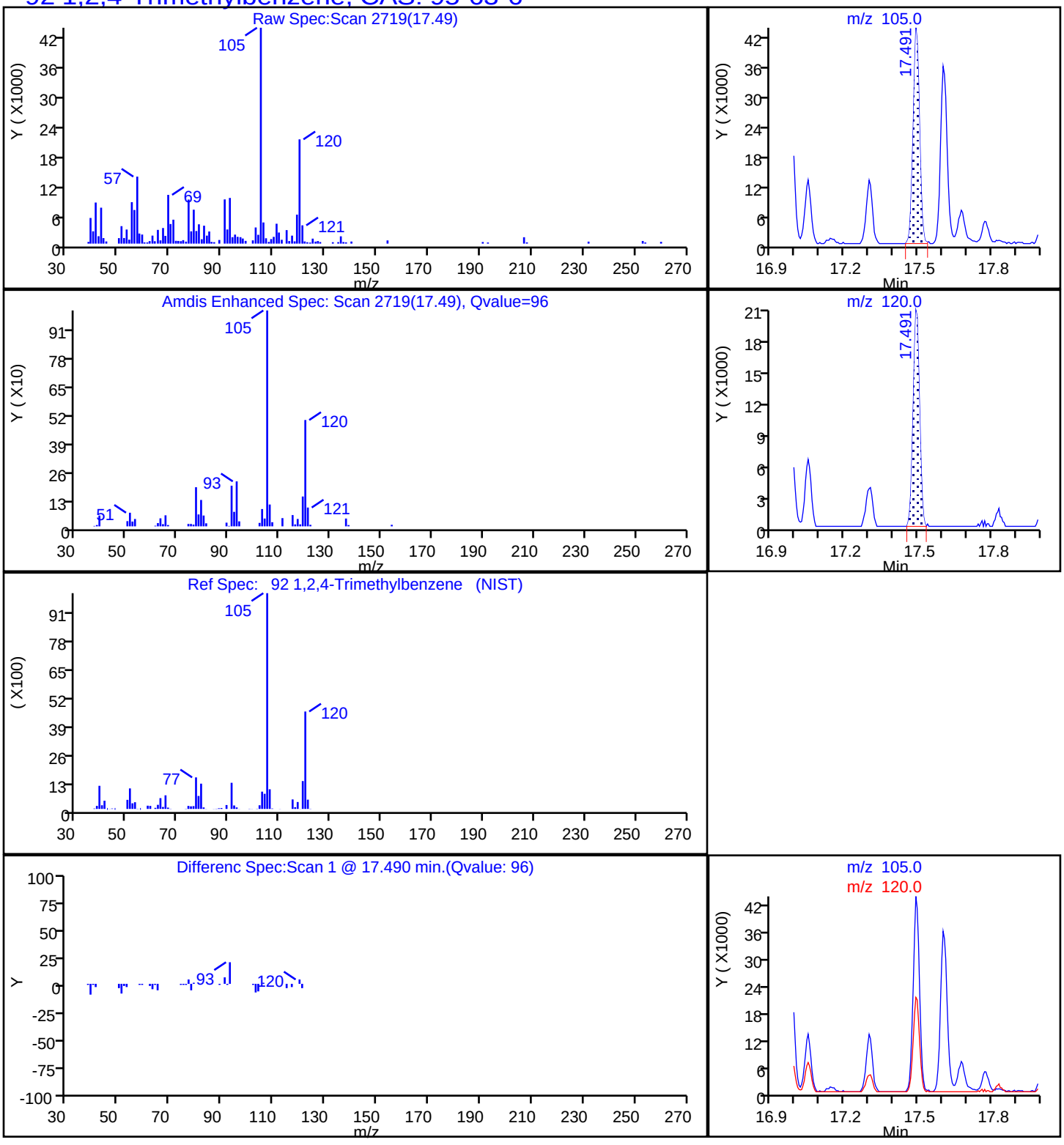
89 1,3,5-Trimethylbenzene, CAS: 108-67-8



TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-17.D				
Injection Date:	16-Apr-2018 23:54:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-1 DU	Lab Sample ID:	200-43091-1		
Client ID:	SV001				
Operator ID:	pad	ALS Bottle#:	17	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

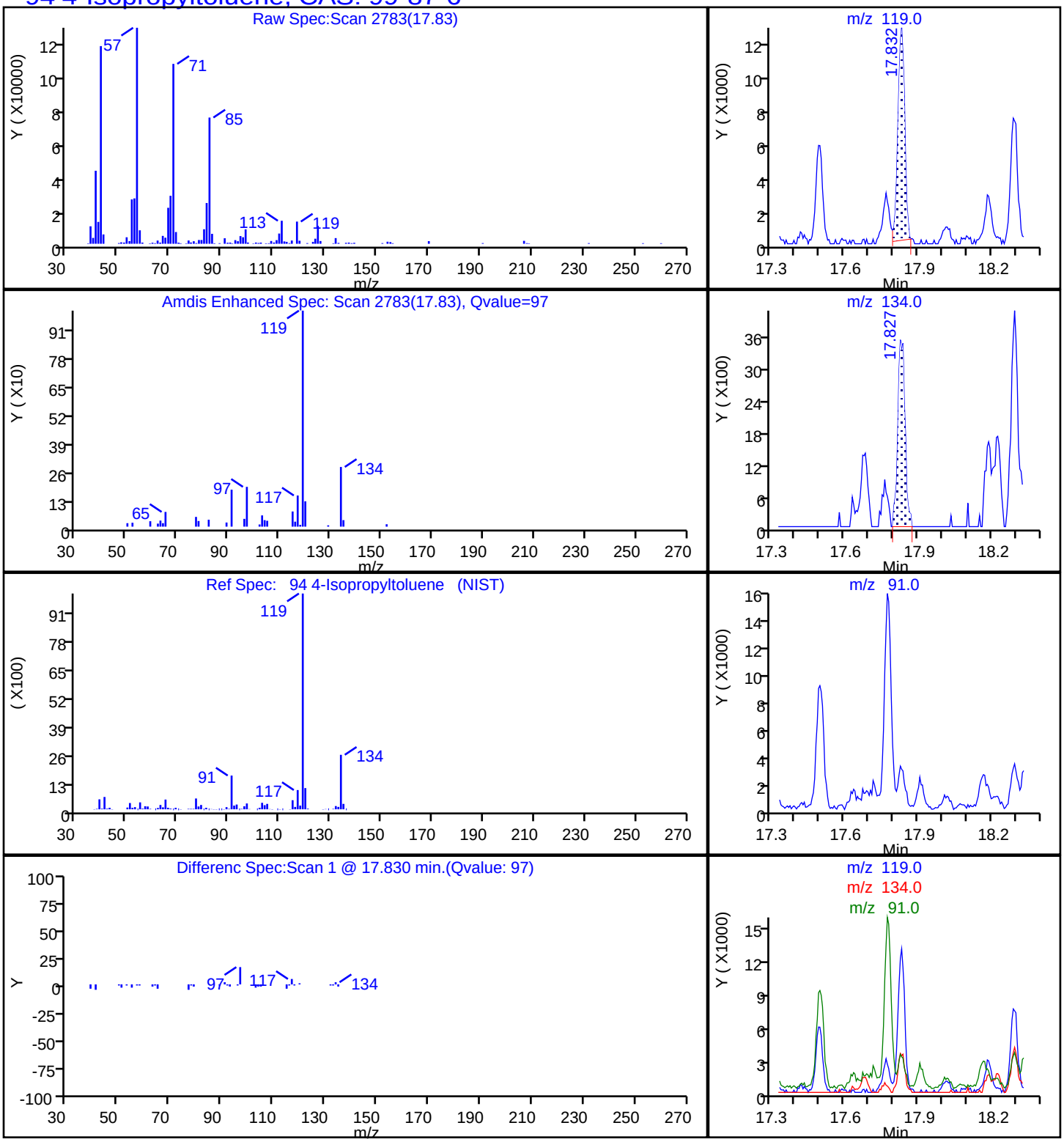
92 1,2,4-Trimethylbenzene, CAS: 95-63-6



TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-17.D				
Injection Date:	16-Apr-2018 23:54:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-1 DU	Lab Sample ID:	200-43091-1		
Client ID:	SV001				
Operator ID:	pad	ALS Bottle#:	17	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

94 4-Isopropyltoluene, CAS: 99-87-6



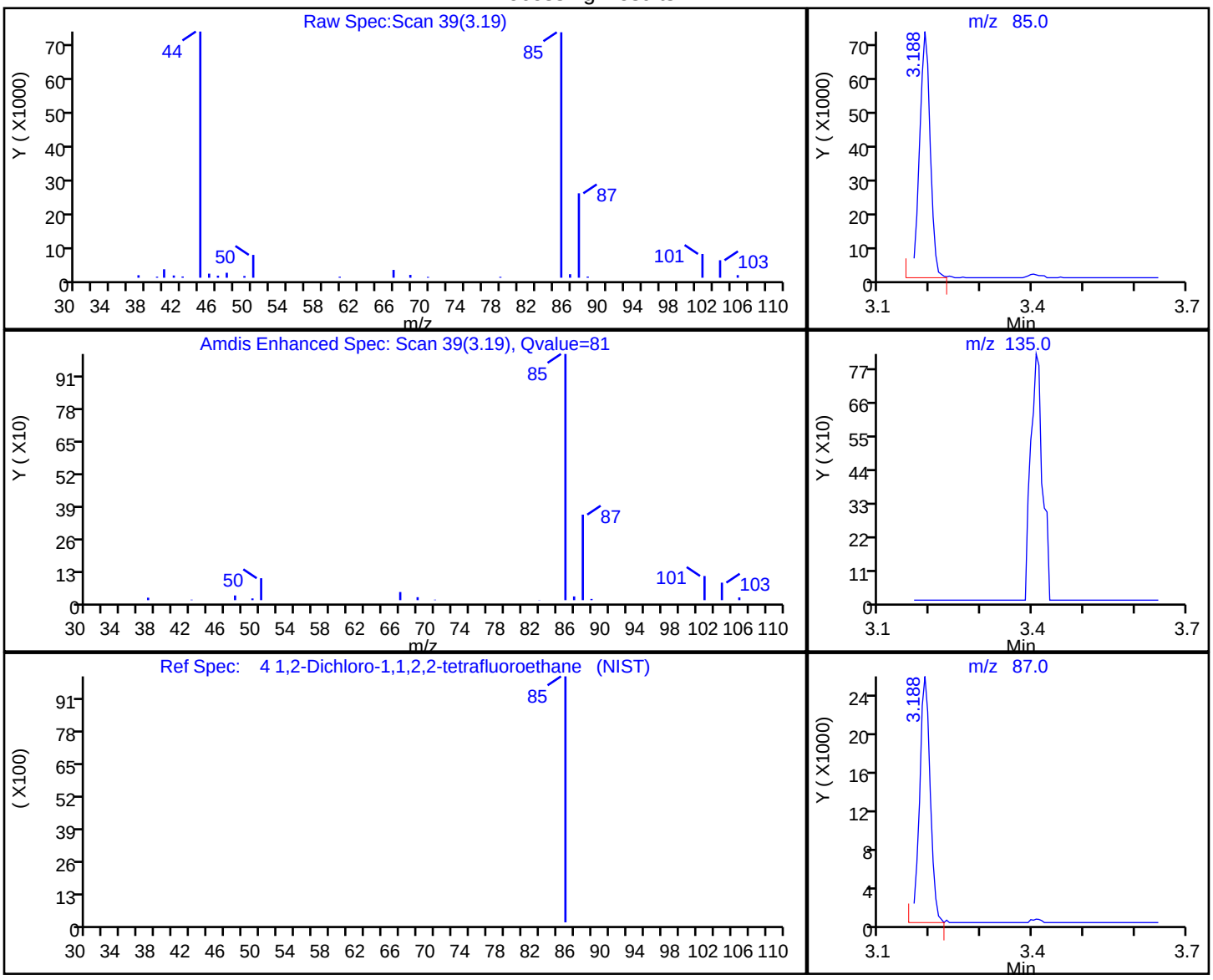
User Disabled Compound Report

TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-17.D				
Injection Date:	16-Apr-2018 23:54:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-1 DU	Lab Sample ID:	200-43091-1		
Client ID:	SV001				
Operator ID:	pad	ALS Bottle#:	17	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

4 1,2-Dichloro-1,1,2,2-tetrafluoroethane, CAS: 76-14-2

Processing Results



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3.41	135.00	0	
3.19	87.00	36180	

Reviewer: phamvu, 17-Apr-2018 15:10:12

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

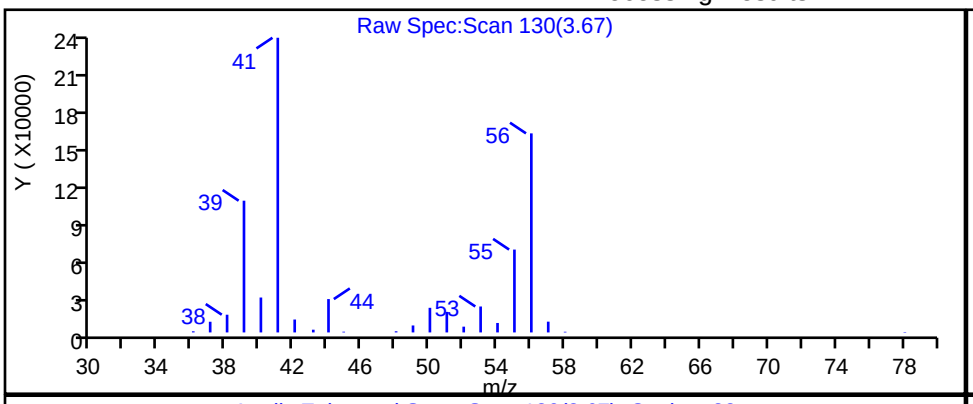
User Disabled Compound Report

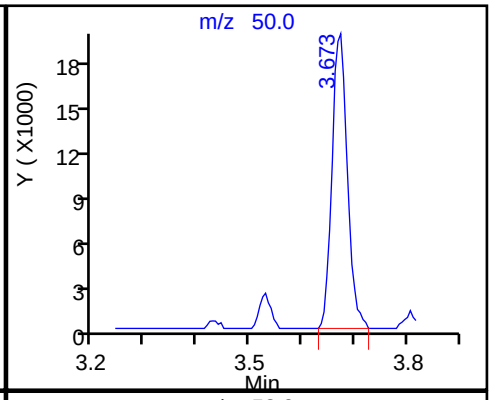
TestAmerica Burlington

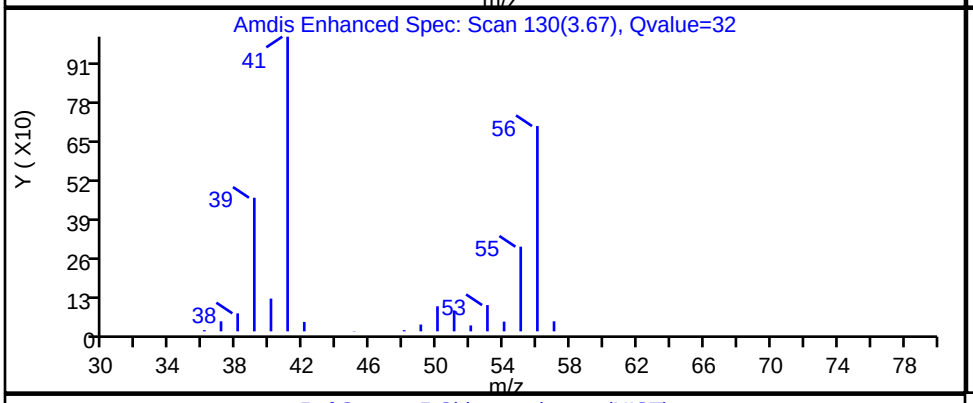
Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-17.D				
Injection Date:	16-Apr-2018 23:54:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-1 DU	Lab Sample ID:	200-43091-1		
Client ID:	SV001				
Operator ID:	pad	ALS Bottle#:	17	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

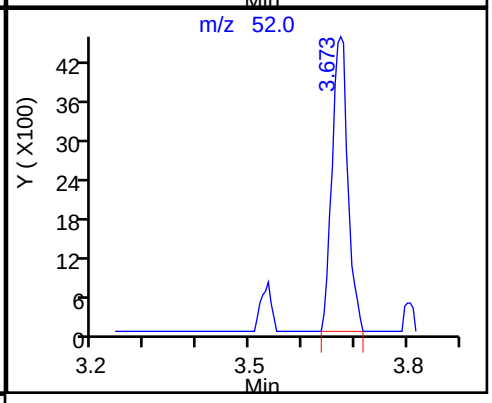
5 Chloromethane, CAS: 74-87-3

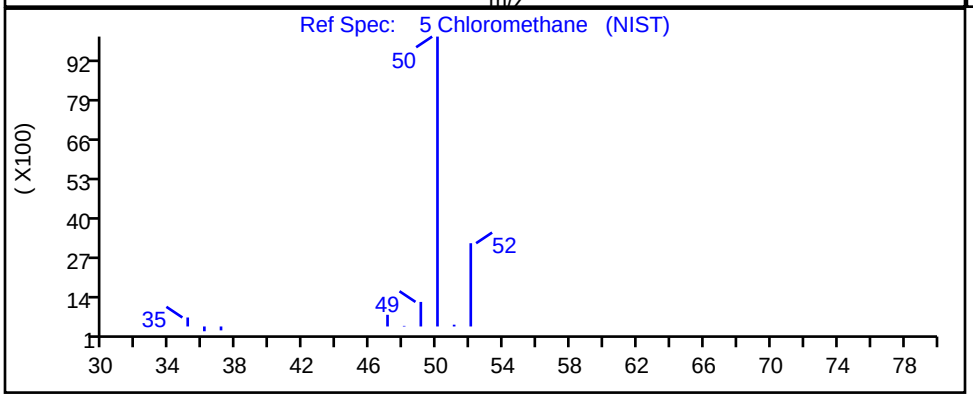
Processing Results











RT	Mass	Response	Amount
3.67	50.00	39979	1.263693
3.67	52.00	9630	

Reviewer: phamvu, 17-Apr-2018 15:10:12

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

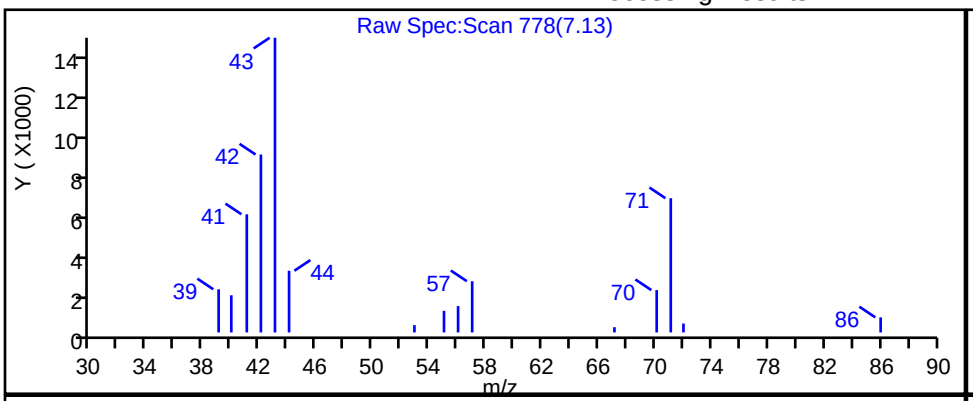
User Disabled Compound Report

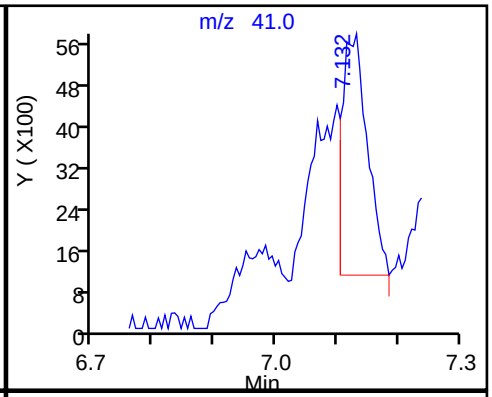
TestAmerica Burlington

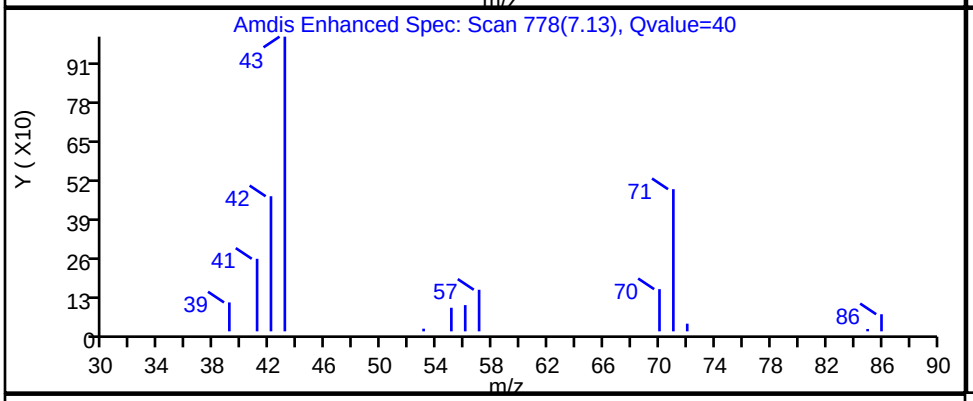
Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-17.D				
Injection Date:	16-Apr-2018 23:54:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-1 DU	Lab Sample ID:	200-43091-1		
Client ID:	SV001				
Operator ID:	pad	ALS Bottle#:	17	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

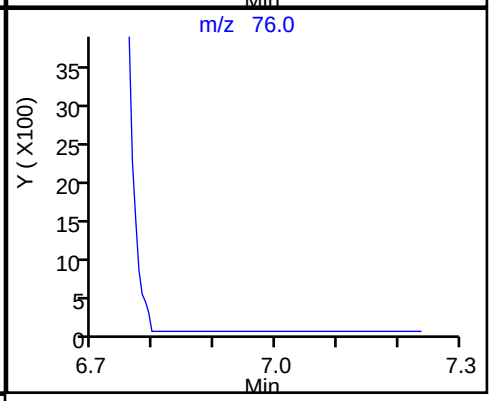
24 3-Chloro-1-propene, CAS: 107-05-1

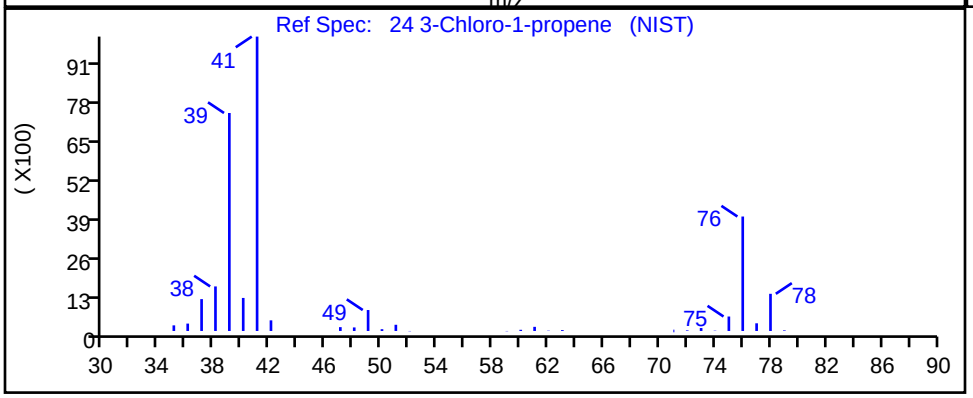
Processing Results











RT	Mass	Response	Amount
7.13	41.00	13314	0.266106
7.00	76.00	0	

Reviewer: phamvu, 17-Apr-2018 15:10:12

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

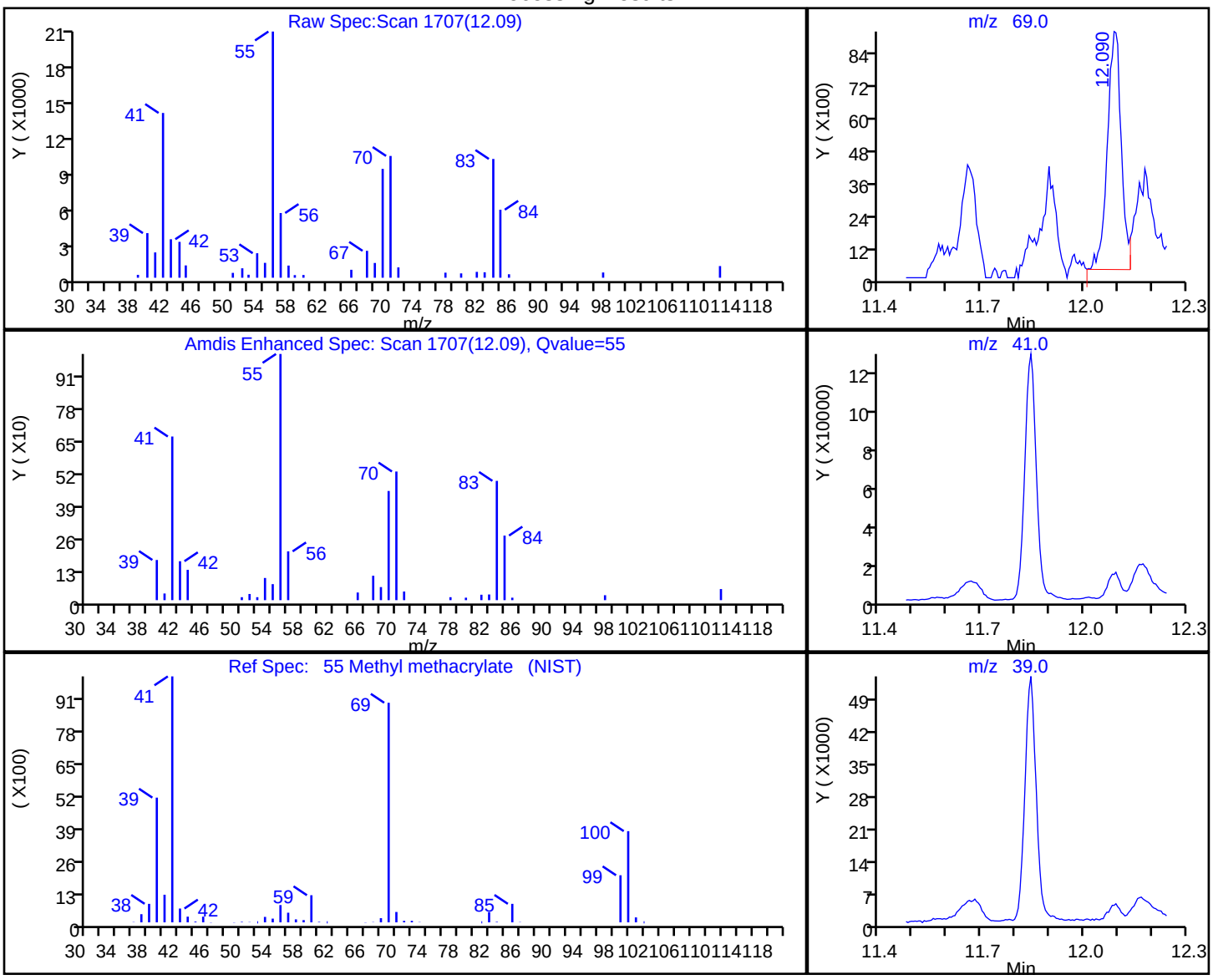
User Disabled Compound Report

TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-17.D				
Injection Date:	16-Apr-2018 23:54:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-1 DU	Lab Sample ID:	200-43091-1		
Client ID:	SV001				
Operator ID:	pad	ALS Bottle#:	17	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

55 Methyl methacrylate, CAS: 80-62-6

Processing Results



RT	Mass	Response	Amount
12.09	69.00	25272	0.431739
11.87	41.00	0	
11.87	39.00	0	

Reviewer: phamvu, 17-Apr-2018 15:10:12

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

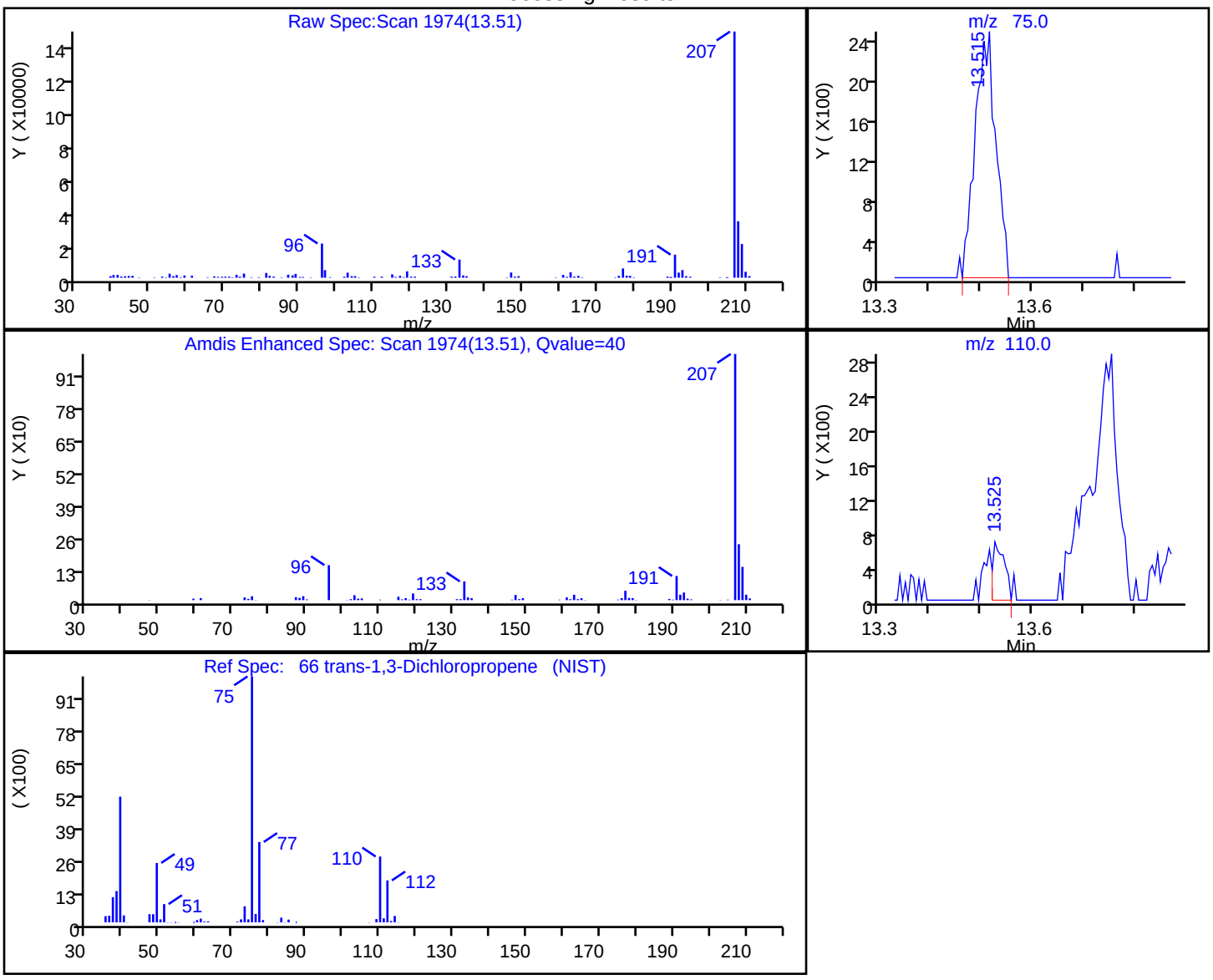
User Disabled Compound Report

TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-17.D				
Injection Date:	16-Apr-2018 23:54:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-1 DU	Lab Sample ID:	200-43091-1		
Client ID:	SV001				
Operator ID:	pad	ALS Bottle#:	17	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

66 trans-1,3-Dichloropropene, CAS: 10061-02-6

Processing Results



RT	Mass	Response	Amount
13.51	75.00	6936	0.081831
13.53	110.00	1054	

Reviewer: phamvu, 17-Apr-2018 15:10:12

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

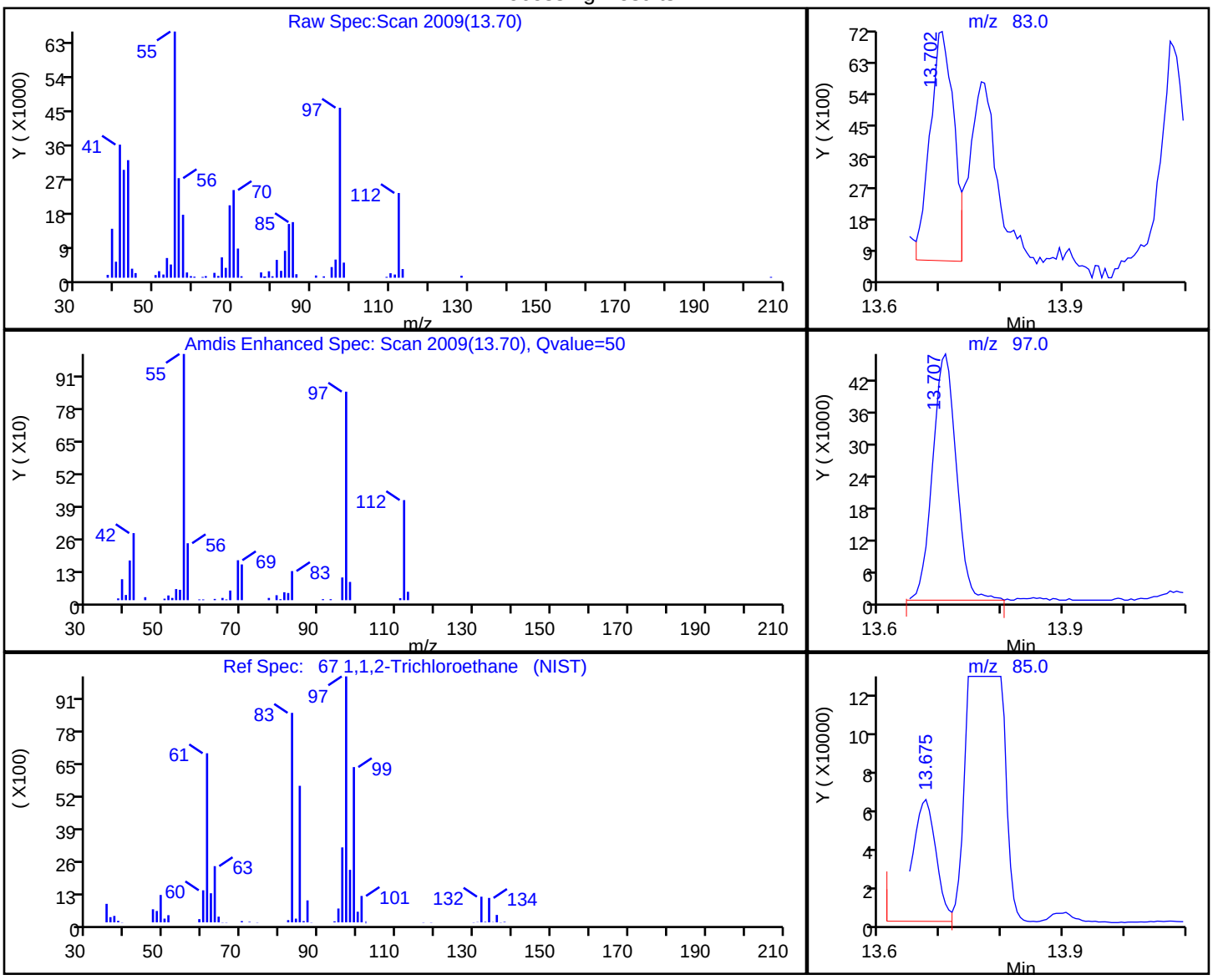
User Disabled Compound Report

TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-17.D				
Injection Date:	16-Apr-2018 23:54:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-1 DU	Lab Sample ID:	200-43091-1		
Client ID:	SV001				
Operator ID:	pad	ALS Bottle#:	17	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

67 1,1,2-Trichloroethane, CAS: 79-00-5

Processing Results



RT	Mass	Response	Amount
13.70	83.00	18125	0.290334
13.71	97.00	125454	
13.67	85.00	158258	

Reviewer: phamvu, 17-Apr-2018 15:10:12

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

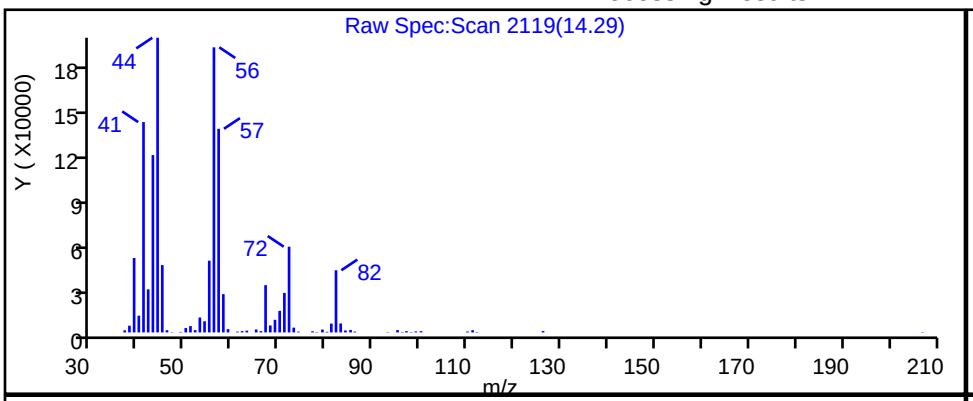
User Disabled Compound Report

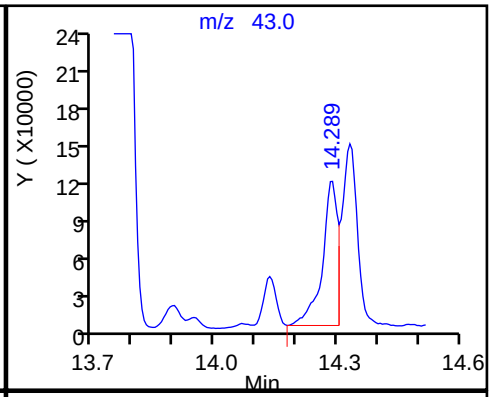
TestAmerica Burlington

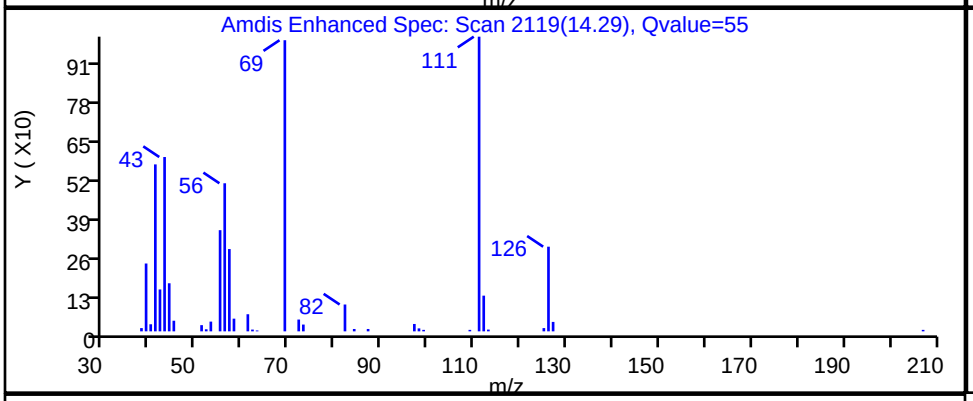
Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-17.D				
Injection Date:	16-Apr-2018 23:54:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-1 DU	Lab Sample ID:	200-43091-1		
Client ID:	SV001				
Operator ID:	pad	ALS Bottle#:	17	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

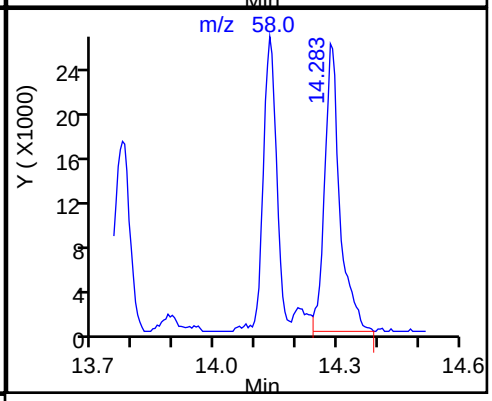
69 2-Hexanone, CAS: 591-78-6

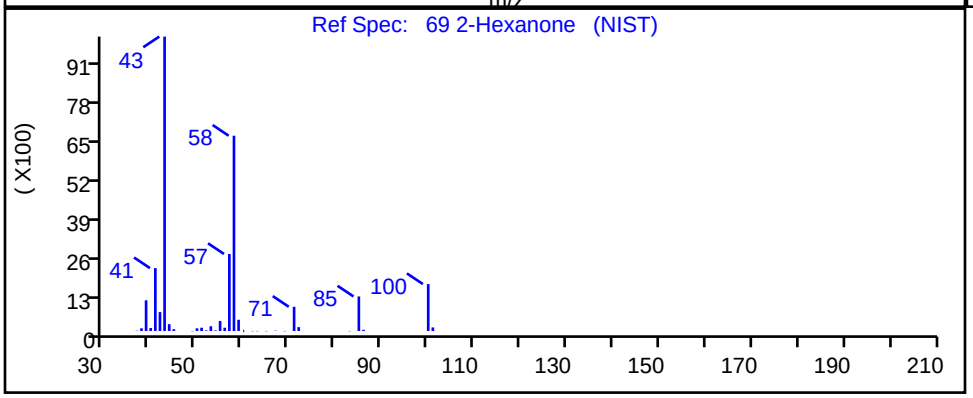
Processing Results











RT	Mass	Response	Amount
14.29	43.00	310267	2.912302
14.28	58.00	68768	

Reviewer: phamvu, 17-Apr-2018 15:10:12

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

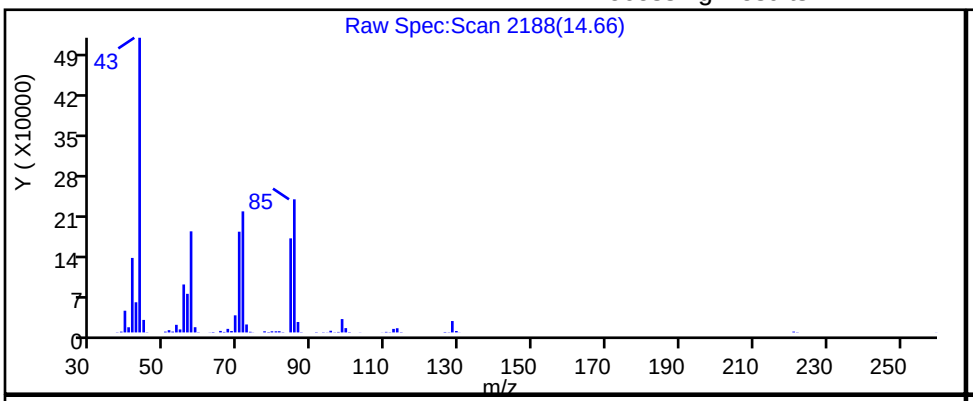
User Disabled Compound Report

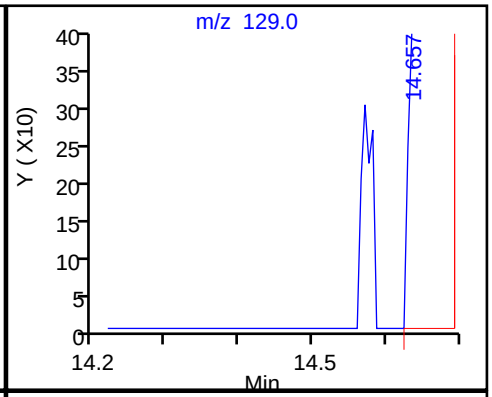
TestAmerica Burlington

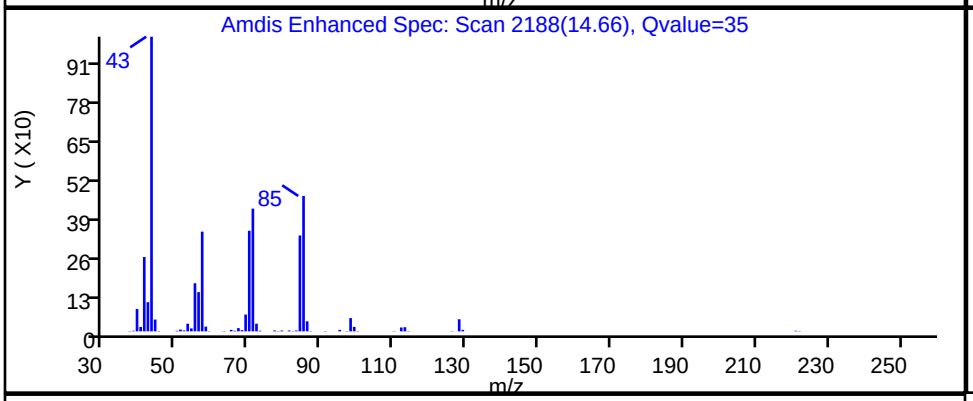
Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-17.D				
Injection Date:	16-Apr-2018 23:54:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-1 DU	Lab Sample ID:	200-43091-1		
Client ID:	SV001				
Operator ID:	pad	ALS Bottle#:	17	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

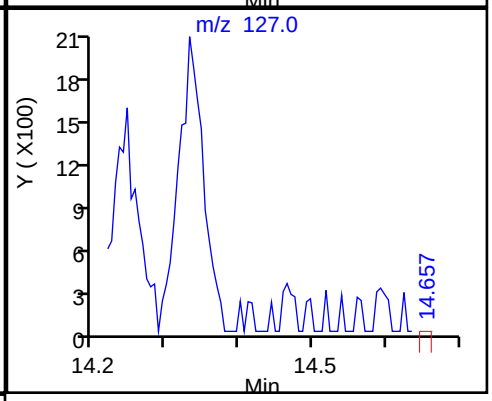
70 Chlorodibromomethane, CAS: 124-48-1

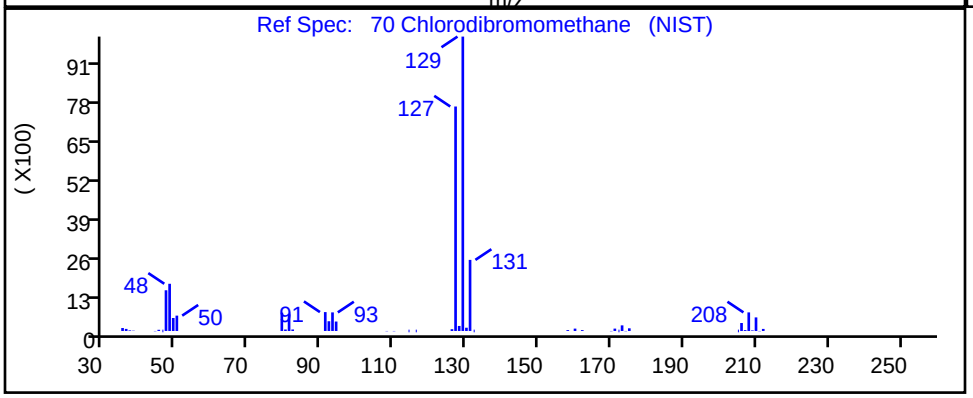
Processing Results











RT	Mass	Response	Amount
14.66	129.00	5125	0.046083
14.66	127.00	294	

Reviewer: phamvu, 17-Apr-2018 15:10:12

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

TestAmerica Burlington

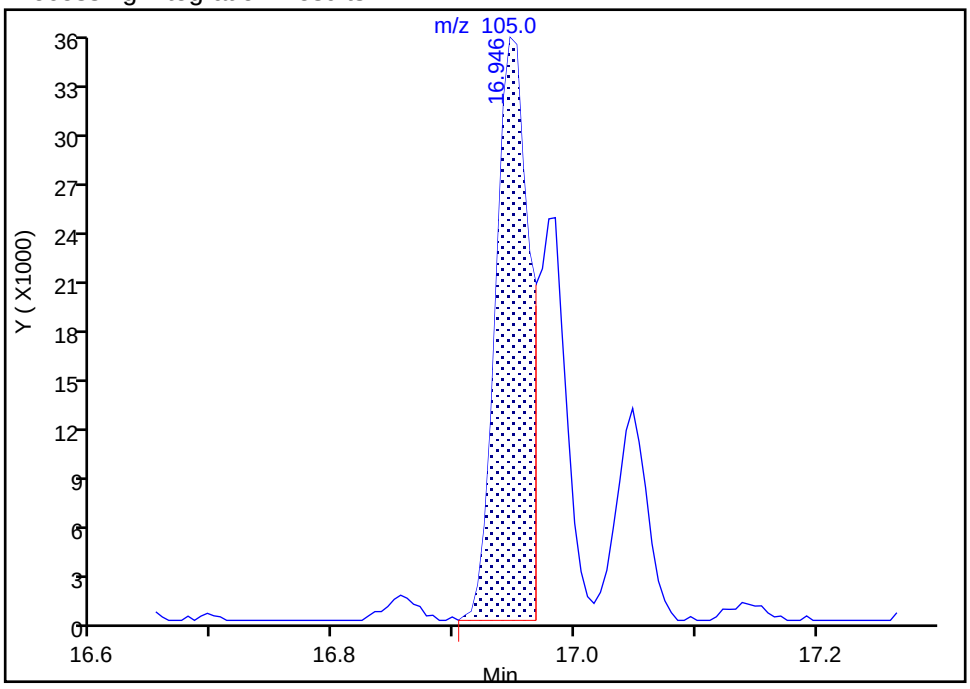
Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-17.D				
Injection Date:	16-Apr-2018 23:54:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-1 DU	Lab Sample ID:	200-43091-1		
Client ID:	SV001				
Operator ID:	pad	ALS Bottle#:	17	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

87 4-Ethyltoluene, CAS: 622-96-8

Signal: 1

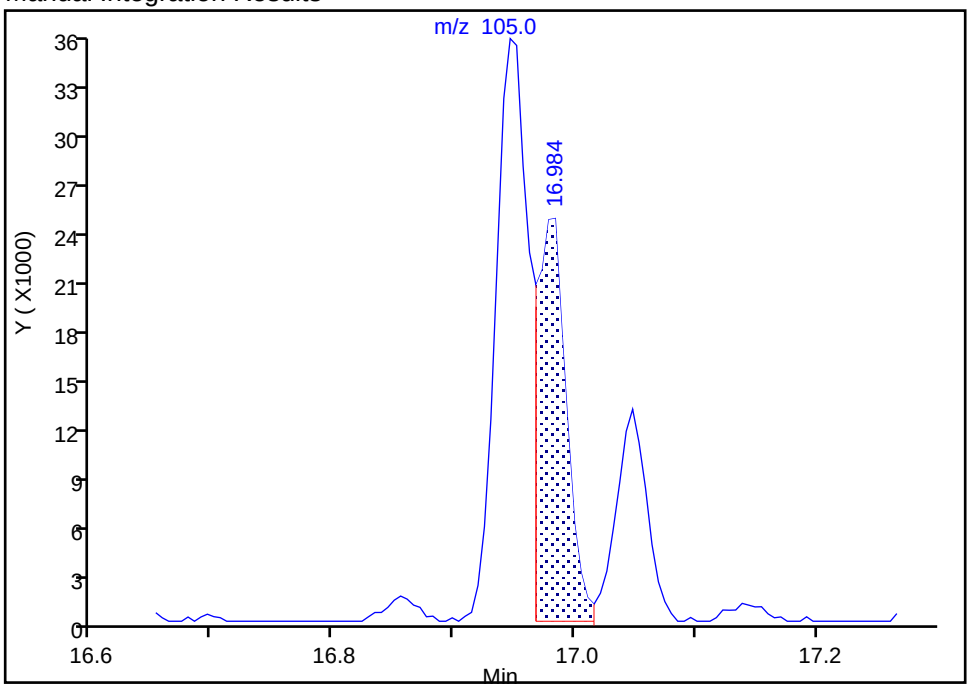
Processing Integration Results

RT: 16.95
Area: 68526
Amount: 0.248137
Amount Units: ppb v/v



Manual Integration Results

RT: 16.98
Area: 41724
Amount: 0.151085
Amount Units: ppb v/v



Reviewer: phamvu, 17-Apr-2018 15:09:45

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

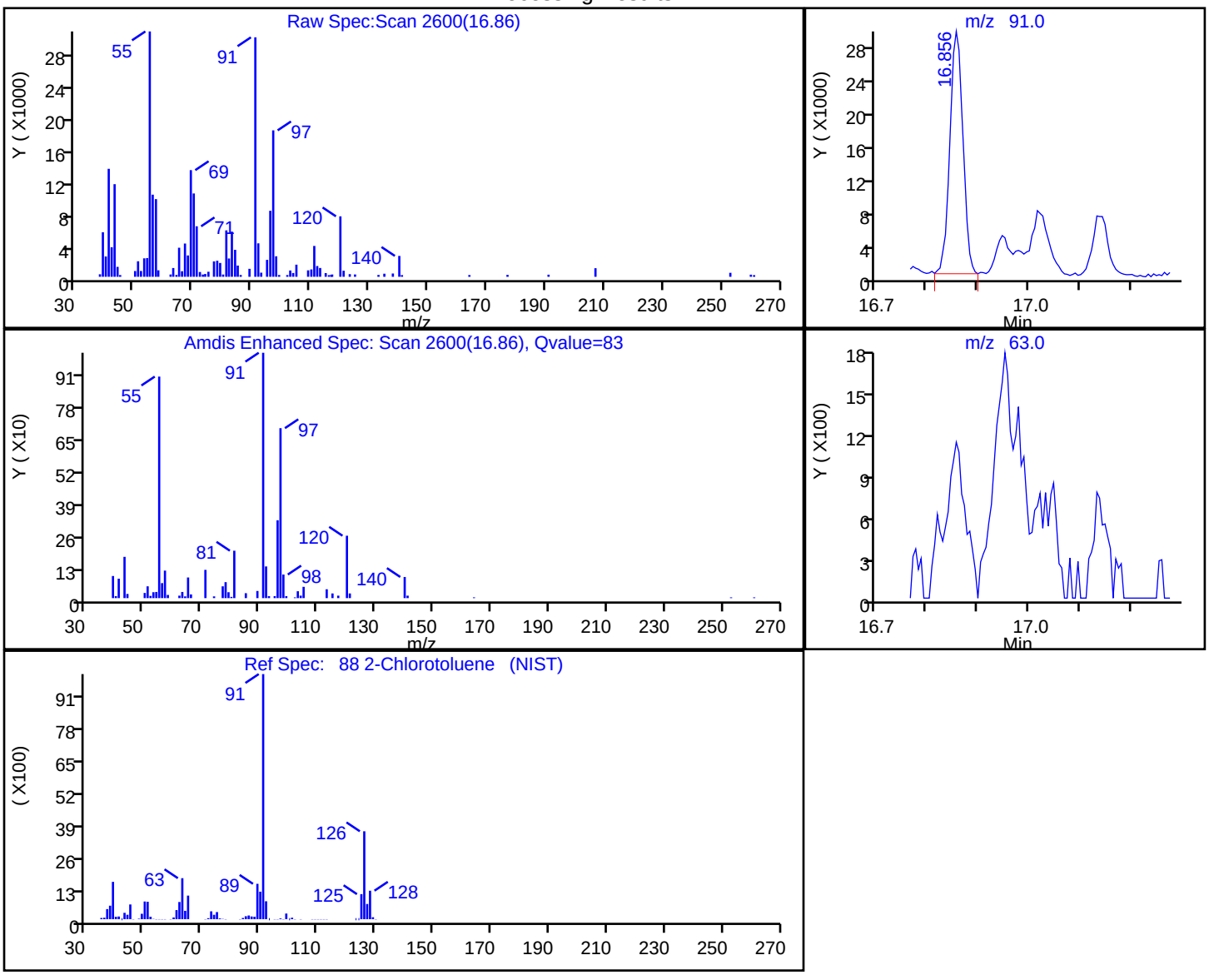
User Disabled Compound Report

TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-17.D				
Injection Date:	16-Apr-2018 23:54:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-1 DU	Lab Sample ID:	200-43091-1		
Client ID:	SV001				
Operator ID:	pad	ALS Bottle#:	17	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

88 2-Chlorotoluene, CAS: 95-49-8

Processing Results



RT	Mass	Response	Amount
16.86	91.00	52547	0.228229
17.02	63.00	0	

Reviewer: phamvu, 17-Apr-2018 15:10:12

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

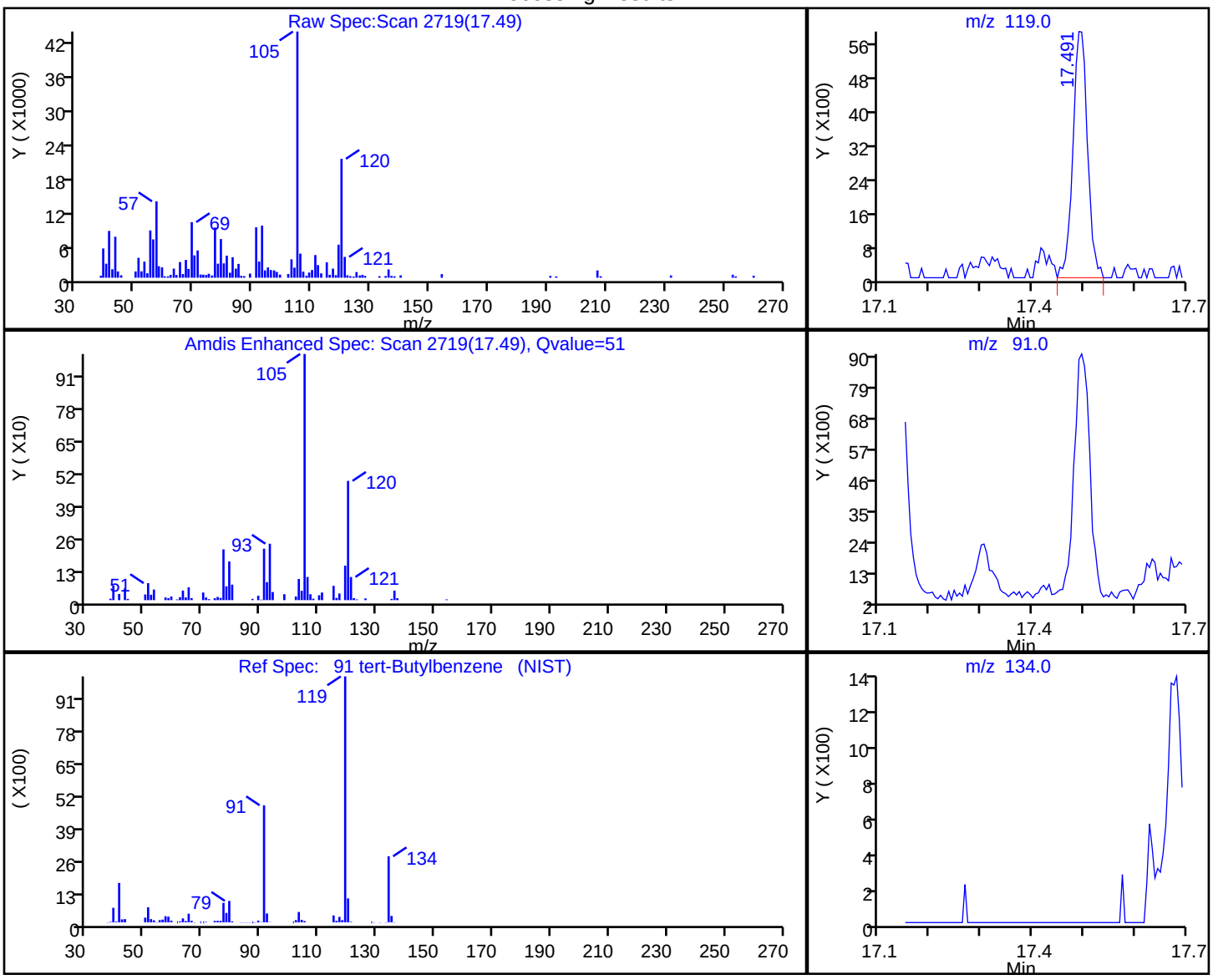
User Disabled Compound Report

TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-17.D				
Injection Date:	16-Apr-2018 23:54:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-1 DU	Lab Sample ID:	200-43091-1		
Client ID:	SV001				
Operator ID:	pad	ALS Bottle#:	17	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

91 tert-Butylbenzene, CAS: 98-06-6

Processing Results



RT	Mass	Response	Amount
17.49	119.00	11626	0.053252
17.42	91.00	0	
17.42	134.00	0	

Reviewer: phamvu, 17-Apr-2018 15:10:12

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

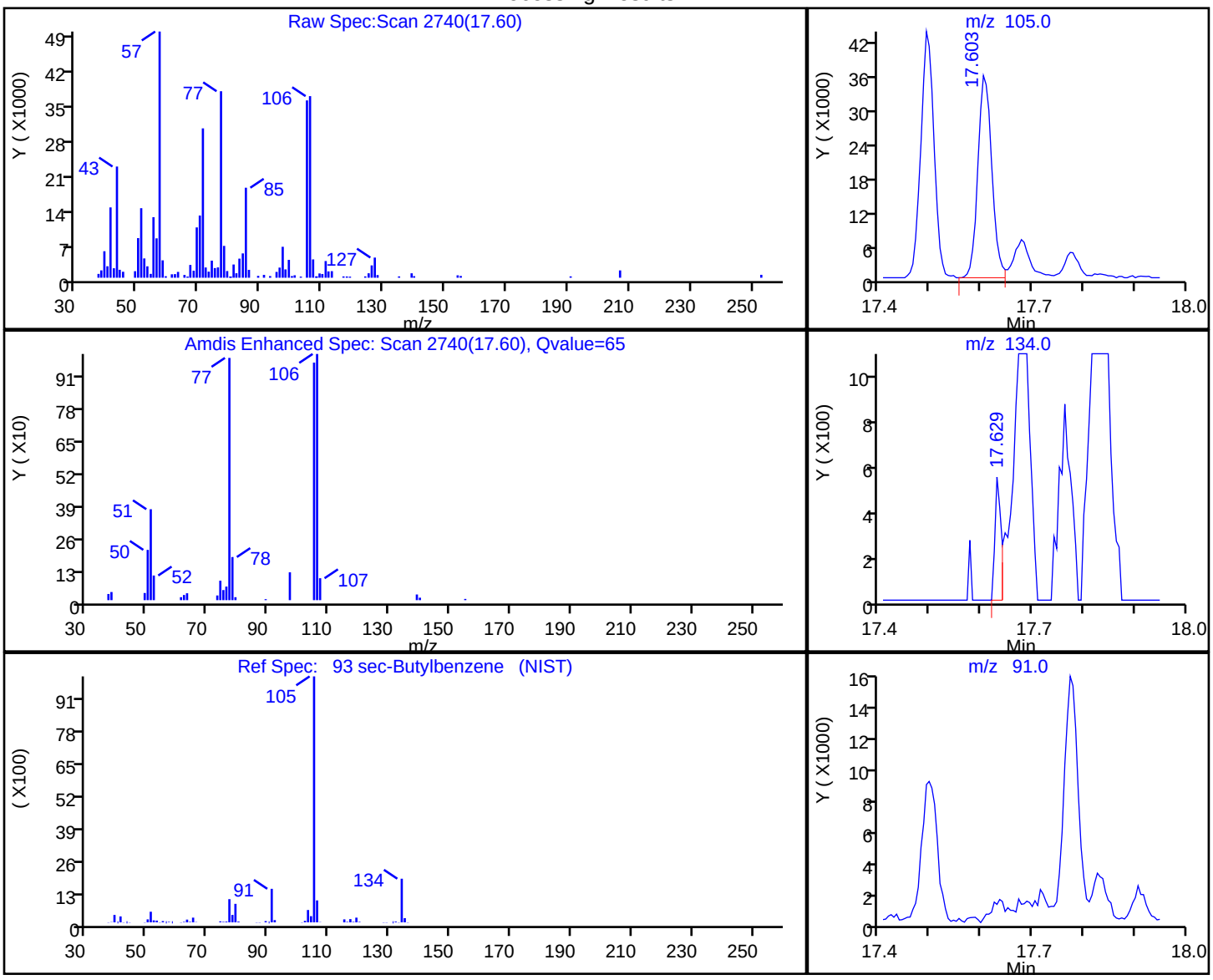
User Disabled Compound Report

TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180416-30117.b\30117-17.D				
Injection Date:	16-Apr-2018 23:54:30	Instrument ID:	CHB.i		
Lims ID:	200-43091-A-1 DU	Lab Sample ID:	200-43091-1		
Client ID:	SV001				
Operator ID:	pad	ALS Bottle#:	17	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

93 sec-Butylbenzene, CAS: 135-98-8

Processing Results



RT	Mass	Response	Amount
17.60	105.00	67905	0.201635
17.63	134.00	456	
17.68	91.00	0	

Reviewer: phamvu, 17-Apr-2018 15:10:12

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-43091-1

SDG No.: 200-43091-1

Instrument ID: CHB.i Start Date: 04/05/2018 16:19

Analysis Batch Number: 128188 End Date: 04/06/2018 13:38

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-128188/1		04/05/2018 16:19	1	29969-01.D	RTX-624 0.32(mm)
VIBLK 200-128188/2		04/05/2018 17:10	1		RTX-624 0.32(mm)
IC 200-128188/3		04/05/2018 18:04	1	29969-03.D	RTX-624 0.32(mm)
IC 200-128188/4		04/05/2018 18:58	1	29969-04.D	RTX-624 0.32(mm)
ZZZZZ		04/05/2018 19:51	1		RTX-624 0.32(mm)
IC 200-128188/6		04/05/2018 20:44	1	29969-06.D	RTX-624 0.32(mm)
ZZZZZ		04/05/2018 21:38	1		RTX-624 0.32(mm)
ICIS 200-128188/8		04/05/2018 22:31	1	29969-08.D	RTX-624 0.32(mm)
ZZZZZ		04/05/2018 23:25	1		RTX-624 0.32(mm)
ZZZZZ		04/06/2018 00:18	1		RTX-624 0.32(mm)
IC 200-128188/11		04/06/2018 01:12	1	29969-11.D	RTX-624 0.32(mm)
IC 200-128188/12		04/06/2018 02:05	1	29969-12.D	RTX-624 0.32(mm)
VIBLK 200-128188/13		04/06/2018 02:58	1		RTX-624 0.32(mm)
VIBLK 200-128188/14		04/06/2018 03:52	1		RTX-624 0.32(mm)
VIBLK 200-128188/15		04/06/2018 04:45	1		RTX-624 0.32(mm)
ZZZZZ		04/06/2018 05:38	1		RTX-624 0.32(mm)
ZZZZZ		04/06/2018 06:31	1		RTX-624 0.32(mm)
ZZZZZ		04/06/2018 07:24	1		RTX-624 0.32(mm)
ZZZZZ		04/06/2018 08:18	1		RTX-624 0.32(mm)
IC 200-128188/20		04/06/2018 09:11	1	29969-20.D	RTX-624 0.32(mm)
IC 200-128188/21		04/06/2018 10:05	1	29969-21.D	RTX-624 0.32(mm)
VIBLK 200-128188/22		04/06/2018 10:58	1		RTX-624 0.32(mm)
VIBLK 200-128188/23		04/06/2018 11:51	1		RTX-624 0.32(mm)
ICV 200-128188/24		04/06/2018 12:44	1	29969-24.D	RTX-624 0.32(mm)
ZZZZZ		04/06/2018 13:38	1		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-43091-1

SDG No.: 200-43091-1

Instrument ID: CHB.i Start Date: 04/16/2018 09:18

Analysis Batch Number: 128485 End Date: 04/17/2018 08:40

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-128485/1		04/16/2018 09:18	1	30117-01.D	RTX-624 0.32(mm)
CCVIS 200-128485/2		04/16/2018 10:19	1	30117-02.D	RTX-624 0.32(mm)
LCS 200-128485/3		04/16/2018 11:11	1	30117-03.D	RTX-624 0.32(mm)
MB 200-128485/4		04/16/2018 12:04	1	30117-04.D	RTX-624 0.32(mm)
ZZZZZ		04/16/2018 13:22	1		RTX-624 0.32(mm)
ZZZZZ		04/16/2018 14:14	1		RTX-624 0.32(mm)
ZZZZZ		04/16/2018 15:07	1		RTX-624 0.32(mm)
ZZZZZ		04/16/2018 16:00	1		RTX-624 0.32(mm)
ZZZZZ		04/16/2018 16:52	1		RTX-624 0.32(mm)
ZZZZZ		04/16/2018 17:45	1		RTX-624 0.32(mm)
ZZZZZ		04/16/2018 18:38	1		RTX-624 0.32(mm)
ZZZZZ		04/16/2018 19:30	1		RTX-624 0.32(mm)
ZZZZZ		04/16/2018 20:23	1		RTX-624 0.32(mm)
ZZZZZ		04/16/2018 21:16	1		RTX-624 0.32(mm)
ZZZZZ		04/16/2018 22:08	1		RTX-624 0.32(mm)
200-43091-1		04/16/2018 23:01	1	30117-16.D	RTX-624 0.32(mm)
200-43091-1 DU		04/16/2018 23:54	1	30117-17.D	RTX-624 0.32(mm)
ZZZZZ		04/17/2018 00:47	1		RTX-624 0.32(mm)
200-43091-3		04/17/2018 01:39	1	30117-19.D	RTX-624 0.32(mm)
ZZZZZ		04/17/2018 02:32	1		RTX-624 0.32(mm)
ZZZZZ		04/17/2018 03:25	1		RTX-624 0.32(mm)
ZZZZZ		04/17/2018 04:17	1		RTX-624 0.32(mm)
ZZZZZ		04/17/2018 05:10	10		RTX-624 0.32(mm)
ZZZZZ		04/17/2018 06:02	10		RTX-624 0.32(mm)
ZZZZZ		04/17/2018 06:55	10		RTX-624 0.32(mm)
ZZZZZ		04/17/2018 07:47	10		RTX-624 0.32(mm)
ZZZZZ		04/17/2018 08:40	10		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-43091-1

SDG No.: 200-43091-1

Instrument ID: CHB.i Start Date: 04/18/2018 09:39

Analysis Batch Number: 128592 End Date: 04/19/2018 08:47

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-128592/1		04/18/2018 09:39	1	30158-01.D	RTX-624 0.32(mm)
CCVIS 200-128592/2		04/18/2018 10:52	1	30158-02.D	RTX-624 0.32(mm)
LCS 200-128592/3		04/18/2018 11:44	1	30158-03.D	RTX-624 0.32(mm)
MB 200-128592/4		04/18/2018 12:37	1	30158-04.D	RTX-624 0.32(mm)
ZZZZZ		04/18/2018 13:30	1		RTX-624 0.32(mm)
200-43091-2		04/18/2018 14:23	4	30158-06.D	RTX-624 0.32(mm)
ZZZZZ		04/18/2018 16:08	16.94		RTX-624 0.32(mm)
200-43091-5		04/18/2018 17:02	1	30158-09.D	RTX-624 0.32(mm)
ZZZZZ		04/18/2018 17:55	96.25		RTX-624 0.32(mm)
ZZZZZ		04/18/2018 18:48	474.87		RTX-624 0.32(mm)
ZZZZZ		04/18/2018 19:41	120.3		RTX-624 0.32(mm)
ZZZZZ		04/18/2018 20:34	601.55		RTX-624 0.32(mm)
ZZZZZ		04/18/2018 21:26	2.5		RTX-624 0.32(mm)
ZZZZZ		04/18/2018 22:19	499.53		RTX-624 0.32(mm)
ZZZZZ		04/18/2018 23:12	81938.6		RTX-624 0.32(mm)
ZZZZZ		04/19/2018 00:05	55.2		RTX-624 0.32(mm)
ZZZZZ		04/19/2018 00:57	10		RTX-624 0.32(mm)
ZZZZZ		04/19/2018 01:50	19.23		RTX-624 0.32(mm)
ZZZZZ		04/19/2018 02:42	1		RTX-624 0.32(mm)
ZZZZZ		04/19/2018 03:44	0.2		RTX-624 0.32(mm)
ZZZZZ		04/19/2018 08:47	1		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-43091-1

SDG No.: 200-43091-1

Instrument ID: CHX.i Start Date: 04/12/2018 15:03

Analysis Batch Number: 128414 End Date: 04/13/2018 05:15

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-128414/1		04/12/2018 15:03	1	30075_01.D	RTX-624 0.32(mm)
VIBLK 200-128414/2		04/12/2018 15:47	1		RTX-624 0.32(mm)
VIBLK 200-128414/3		04/12/2018 16:38	1		RTX-624 0.32(mm)
IC 200-128414/4		04/12/2018 17:29	1	30075_04.D	RTX-624 0.32(mm)
IC 200-128414/5		04/12/2018 18:21	1	30075_05.D	RTX-624 0.32(mm)
IC 200-128414/6		04/12/2018 19:11	1	30075_06.D	RTX-624 0.32(mm)
IC 200-128414/7		04/12/2018 20:01	1	30075_07.D	RTX-624 0.32(mm)
ICIS 200-128414/8		04/12/2018 20:51	1	30075_08.D	RTX-624 0.32(mm)
IC 200-128414/9		04/12/2018 21:42	1	30075_09.D	RTX-624 0.32(mm)
IC 200-128414/10		04/12/2018 22:32	1	30075_10.D	RTX-624 0.32(mm)
IC 200-128414/11		04/12/2018 23:23	1	30075_11.D	RTX-624 0.32(mm)
VIBLK 200-128414/12		04/13/2018 00:13	1		RTX-624 0.32(mm)
VIBLK 200-128414/13		04/13/2018 01:03	1		RTX-624 0.32(mm)
VIBLK 200-128414/14		04/13/2018 01:54	1		RTX-624 0.32(mm)
ZZZZZ		04/13/2018 02:44	1		RTX-624 0.32(mm)
ICV 200-128414/16		04/13/2018 03:34	1	30075_16.D	RTX-624 0.32(mm)
ZZZZZ		04/13/2018 04:25	1		RTX-624 0.32(mm)
ZZZZZ		04/13/2018 05:15	1		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-43091-1

SDG No.: 200-43091-1

Instrument ID: CHX.i Start Date: 04/17/2018 08:55

Analysis Batch Number: 128526 End Date: 04/18/2018 05:20

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-128526/1		04/17/2018 08:55	1	30131_01.D	RTX-624 0.32(mm)
CCVIS 200-128526/2		04/17/2018 09:58	1	30131_02.D	RTX-624 0.32(mm)
LCS 200-128526/3		04/17/2018 10:48	1	30131_03.D	RTX-624 0.32(mm)
MB 200-128526/4		04/17/2018 11:39	1	30131_04.D	RTX-624 0.32(mm)
ZZZZZ		04/17/2018 12:29	1		RTX-624 0.32(mm)
ZZZZZ		04/17/2018 13:19	1		RTX-624 0.32(mm)
ZZZZZ		04/17/2018 14:10	1		RTX-624 0.32(mm)
ZZZZZ		04/17/2018 15:00	1		RTX-624 0.32(mm)
ZZZZZ		04/17/2018 15:51	1		RTX-624 0.32(mm)
ZZZZZ		04/17/2018 16:42	1		RTX-624 0.32(mm)
ZZZZZ		04/17/2018 17:33	1		RTX-624 0.32(mm)
ZZZZZ		04/17/2018 18:24	1		RTX-624 0.32(mm)
ZZZZZ		04/17/2018 19:14	1		RTX-624 0.32(mm)
ZZZZZ		04/17/2018 20:05	2		RTX-624 0.32(mm)
200-43091-4		04/17/2018 20:55	2	30131_15.D	RTX-624 0.32(mm)
ZZZZZ		04/17/2018 21:46	8		RTX-624 0.32(mm)
ZZZZZ		04/17/2018 22:36	96.25		RTX-624 0.32(mm)
ZZZZZ		04/17/2018 23:27	474.87		RTX-624 0.32(mm)
ZZZZZ		04/18/2018 00:18	51.98		RTX-624 0.32(mm)
ZZZZZ		04/18/2018 01:08	264.2		RTX-624 0.32(mm)
ZZZZZ		04/18/2018 01:58	2		RTX-624 0.32(mm)
ZZZZZ		04/18/2018 02:49	10		RTX-624 0.32(mm)
ZZZZZ		04/18/2018 03:39	10		RTX-624 0.32(mm)
ZZZZZ		04/18/2018 04:29	2		RTX-624 0.32(mm)
ZZZZZ		04/18/2018 05:20	1		RTX-624 0.32(mm)

AIR - GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Burlington Job No.: 200-43091-1

SDG No.: 200-43091-1

Batch Number: 128188 Batch Start Date: 04/05/18 16:19 Batch Analyst: Daigle, Paul A

Batch Method: TO-15 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialPressure	FinalPressure	InitialAmount	FinalAmount	ATTO15BISs 00006	ATTO15CAL1w 00184
BFB 200-128188/1		TO-15		1	1	0 mL	0 mL	20 mL	
IC 200-128188/3		TO-15		1	1	200 mL	200 mL	20 mL	35 mL
IC 200-128188/4		TO-15		1	1	200 mL	200 mL	20 mL	200 mL
IC 200-128188/6		TO-15		1	1	200 mL	200 mL	20 mL	
ICIS 200-128188/8		TO-15		1	1	200 mL	200 mL	20 mL	
IC 200-128188/11		TO-15		1	1	200 mL	200 mL	20 mL	
IC 200-128188/12		TO-15		1	1	200 mL	200 mL	20 mL	
IC 200-128188/20		TO-15		1	1	200 mL	200 mL	20 mL	
IC 200-128188/21		TO-15		1	1	200 mL	200 mL	20 mL	
ICV 200-128188/24		TO-15		1	1	200 mL	200 mL	20 mL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	ATTO15CAL2w 00255	ATTO15CAL3w 00194	ATTO15CAL4w 00673	ATTO15CAL5w 00073	ATTO15CAL6w 00149	ATTO15CAL7w 00076
BFB 200-128188/1		TO-15							
IC 200-128188/3		TO-15							
IC 200-128188/4		TO-15							
IC 200-128188/6		TO-15		200 mL					
ICIS 200-128188/8		TO-15				200 mL			
IC 200-128188/11		TO-15						200 mL	
IC 200-128188/12		TO-15							200 mL
IC 200-128188/20		TO-15					200 mL		
IC 200-128188/21		TO-15			200 mL				
ICV 200-128188/24		TO-15							

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

AIR - GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Burlington Job No.: 200-43091-1

SDG No.: 200-43091-1

Batch Number: 128188 Batch Start Date: 04/05/18 16:19 Batch Analyst: Daigle, Paul A

Batch Method: TO-15 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	ATTO15LCSW 00763					
BFB 200-128188/1		TO-15							
IC 200-128188/3		TO-15							
IC 200-128188/4		TO-15							
IC 200-128188/6		TO-15							
ICIS 200-128188/8		TO-15							
IC 200-128188/11		TO-15							
IC 200-128188/12		TO-15							
IC 200-128188/20		TO-15							
IC 200-128188/21		TO-15							
ICV 200-128188/24		TO-15		200 mL					

Batch Notes	

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

AIR - GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Burlington Job No.: 200-43091-1

SDG No.: 200-43091-1

Batch Number: 128414 Batch Start Date: 04/12/18 15:03 Batch Analyst: Daigle, Paul A

Batch Method: TO-15 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialPressure	FinalPressure	InitialAmount	FinalAmount	ATTO15CAL1w 00190	ATTO15CAL2w 00263
BFB 200-128414/1		TO-15		1	1	200 mL	200 mL		
IC 200-128414/4		TO-15		1	1	200 mL	200 mL	35 mL	
IC 200-128414/5		TO-15		1	1	200 mL	200 mL	200 mL	
IC 200-128414/6		TO-15		1	1	200 mL	200 mL		200 mL
IC 200-128414/7		TO-15		1	1	200 mL	200 mL		
ICIS 200-128414/8		TO-15		1	1	200 mL	200 mL		
IC 200-128414/9		TO-15		1	1	200 mL	200 mL		
IC 200-128414/10		TO-15		1	1	200 mL	200 mL		
IC 200-128414/11		TO-15		1	1	200 mL	200 mL		
ICV 200-128414/16		TO-15		1	1	200 mL	200 mL		

Lab Sample ID	Client Sample ID	Method Chain	Basis	ATTO15CAL3w 00194	ATTO15CAL4w 00676	ATTO15CAL5w 00073	ATTO15CAL6w 00149	ATTO15CAL7w 00076	ATTO15LCSW 00763
BFB 200-128414/1		TO-15							
IC 200-128414/4		TO-15							
IC 200-128414/5		TO-15							
IC 200-128414/6		TO-15							
IC 200-128414/7		TO-15		200 mL					
ICIS 200-128414/8		TO-15			200 mL				
IC 200-128414/9		TO-15				200 mL			
IC 200-128414/10		TO-15					200 mL		
IC 200-128414/11		TO-15						200 mL	
ICV 200-128414/16		TO-15							200 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	ATTO15XISs 00002

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

AIR - GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Burlington Job No.: 200-43091-1

SDG No.: 200-43091-1

Batch Number: 128414 Batch Start Date: 04/12/18 15:03 Batch Analyst: Daigle, Paul A

Batch Method: TO-15 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	ATTO15XISs 00002					
BFB 200-128414/1		TO-15		20 mL					
IC 200-128414/4		TO-15		20 mL					
IC 200-128414/5		TO-15		20 mL					
IC 200-128414/6		TO-15		20 mL					
IC 200-128414/7		TO-15		20 mL					
ICIS 200-128414/8		TO-15		20 mL					
IC 200-128414/9		TO-15		20 mL					
IC 200-128414/10		TO-15		20 mL					
IC 200-128414/11		TO-15		20 mL					
ICV 200-128414/16		TO-15		20 mL					

Batch Notes	

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

AIR - GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Burlington Job No.: 200-43091-1

SDG No.: 200-43091-1

Batch Number: 128485 Batch Start Date: 04/16/18 09:18 Batch Analyst: Pham, Vu T

Batch Method: TO-15 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialPressure	FinalPressure	InitialAmount	FinalAmount	ATTO15BISs 00006	ATTO15CAL4w 00675
BFB 200-128485/1		TO-15		1	1	0 mL	0 mL	20 mL	
CCVIS 200-128485/2		TO-15		1	1	200 mL	200 mL	20 mL	200 mL
LCS 200-128485/3		TO-15		1	1	200 mL	200 mL	20 mL	
MB 200-128485/4		TO-15		1	1	200 mL	200 mL	20 mL	
200-43091-A-1	SV001	TO-15	T	1	1	200 mL	200 mL	20 mL	
200-43091-A-1 DU	SV001	TO-15	T	1	1	200 mL	200 mL	20 mL	
200-43091-A-3	SV003	TO-15	T	1	1	200 mL	200 mL	20 mL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	ATTO15LCSW 00763					
BFB 200-128485/1		TO-15							
CCVIS 200-128485/2		TO-15							
LCS 200-128485/3		TO-15		200 mL					
MB 200-128485/4		TO-15							
200-43091-A-1	SV001	TO-15	T						
200-43091-A-1 DU	SV001	TO-15	T						
200-43091-A-3	SV003	TO-15	T						

Batch Notes	

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

AIR - GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Burlington Job No.: 200-43091-1

SDG No.: 200-43091-1

Batch Number: 128526 Batch Start Date: 04/17/18 08:55 Batch Analyst: Bunma, Arthit 1

Batch Method: TO-15 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialPressure	FinalPressure	InitialAmount	FinalAmount	ATTO15CAL4w 00676	ATTO15LCSW 00763
BFB 200-128526/1		TO-15		1	1	200 mL	200 mL		
CCVIS 200-128526/2		TO-15		1	1	200 mL	200 mL	200 mL	
LCS 200-128526/3		TO-15		1	1	200 mL	200 mL		200 mL
MB 200-128526/4		TO-15		1	1	200 mL	200 mL		
200-43091-A-4	SV004	TO-15	T	1	1	100 mL	200 mL		

Lab Sample ID	Client Sample ID	Method Chain	Basis	ATTO15XISs 00002					
BFB 200-128526/1		TO-15		20 mL					
CCVIS 200-128526/2		TO-15		20 mL					
LCS 200-128526/3		TO-15		20 mL					
MB 200-128526/4		TO-15		20 mL					
200-43091-A-4	SV004	TO-15	T	20 mL					

Batch Notes	

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

AIR - GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Burlington Job No.: 200-43091-1

SDG No.: 200-43091-1

Batch Number: 128592 Batch Start Date: 04/18/18 09:39 Batch Analyst: Puangmalee, Kesanee 1

Batch Method: TO-15 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialPressure	FinalPressure	InitialAmount	FinalAmount	ATTO15BISs 00006	ATTO15CAL4w 00675
BFB 200-128592/1		TO-15		1	1	0 mL	0 mL	20 mL	
CCVIS 200-128592/2		TO-15		1	1	200 mL	200 mL	20 mL	200 mL
LCS 200-128592/3		TO-15		1	1	200 mL	200 mL	20 mL	
MB 200-128592/4		TO-15		1	1	200 mL	200 mL	20 mL	
200-43091-A-2	SV002	TO-15	T	1	1	93 mL	200 mL	20 mL	
200-43091-A-5	AMBIENT	TO-15	T	1	1	200 mL	200 mL	20 mL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	ATTO15LCSW 00763					
BFB 200-128592/1		TO-15							
CCVIS 200-128592/2		TO-15							
LCS 200-128592/3		TO-15		200 mL					
MB 200-128592/4		TO-15							
200-43091-A-2	SV002	TO-15	T						
200-43091-A-5	AMBIENT	TO-15	T						

Batch Notes	

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Pre-Shipment Clean Canister Certification Report

Canister Cleaning & Pre-Shipment Leak Test

System ID	Max DF#	# Cycles	Cleaning Date	Technician	Canister Size	Certification Type:
Bottom Rack	1	25	3/27/2018	MLT	1L / 6L	Individual / Batch

Port	Can ID	Initial[1] (psia)	Final (psia)	Diff.[3]	Final ("Hg)	Initial Reading Gauge:	Initial Reading Date:	Initial Reading Time:	Initial Reading Tech:	Initial Reading Temp:	Final Reading Gauge:	Final Reading Date:	Final Reading Time:	Final Reading Tech:	Final Reading Temp:
1	4067	.04	.06	.02	-29.1	G25	3/28/2018	951	EE	23	G25	4-4-18	1209	CC	24
2	4810	↑	.10	.06	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
3	4555		.08	.04											
4	4835	4.4.18	.04	.02											
5	3248		.04	0											
6	6165		.04	0											
7	5083		.12	.09											
8	3014		.06	.02											
9	4087	↓	.05	.01	↓		↓	↓	↓	↓		↓	↓	↓	↓
10	2537	.04	.05	.01	-29.9		4.2.18	1357	CC	22	G25	4.3.18	1411	CC	23
11	5428	.04	.05	.01	-29.2		3/27/2018	951	EE	23		4-4-18	1209		24
12	3333	↓	.04	0	-29.1	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓

[1] Batch Certification: The reading is taken on the "batch" canister and this value is used as the initial pressure for all canisters in the batch.

[3] Difference = Final Pressure - Initial Pressure . Acceptance Criteria: (1) The difference must be less than or equal to + 0.25psi. (2) Pressure readings must be at least 24 hours apart.

If time frame was not met, the PM must authorize shipment of canister **PM Authorization** **Date:**

Clean Canister Certification Analysis & Authorization of Release to Inventory

Test Method: ≤ TO15 Routine ≤ TO15 LL ≤ NJDEP-LL TO15

Can ID	Date	Sequence	Analyst	Inventory Level 1	2	3	4	Secondary Review: Limited	Review Date	Reviewer
2537	3/29/18	29802	AB		XXXX				3/29/18	UFP

Inventory Level 1: Individual Canister Certification (TO15LL 0.01).

Inventory Level 2: Individual or Batch Certification (TO15 0.04 ppbv).

Inventory Level 3: Individual or Batch Certification (TO15 0.2 ppbv).

Inventory Level 4: Individual or Batch Certification (TO15LLNJ 0.08 ppbv).

Inventory Level Limited: Canisters may only be used for certain projects.

Comments:

Form ID: FAI023:11
Revision Date: 11-15-2017

TestAmerica Burlington

200-42818-A-10
2537
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 3/27/2018 12:00 AM 200-1136449
Loc: 200
42818
#10
A

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-42818-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 29802-03.D

Lab ID: LCS 200-127866/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Propylene	10.0	11.1	111	58-129	
Dichlorodifluoromethane	10.0	11.3	113	68-128	
Freon 22	10.0	11.3	113	64-128	
1,2-Dichlorotetrafluoroethane	10.0	12.2	122	78-138	
Chloromethane	10.0	10.6	106	57-126	
n-Butane	10.0	11.3	113	56-130	
Vinyl chloride	10.0	10.6	106	62-125	
1,3-Butadiene	10.0	10.6	106	59-125	
Bromomethane	10.0	10.9	109	68-128	
Chloroethane	10.0	10.9	109	65-125	
Bromoethene(Vinyl Bromide)	10.0	10.8	108	67-127	
Trichlorofluoromethane	10.0	10.8	108	67-127	
Ethanol	15.0	20.2	135	28-168	
Freon TF	10.0	11.0	110	68-128	
1,1-Dichloroethene	10.0	10.6	106	67-127	
Acetone	10.0	9.73	97	64-136	
Isopropyl alcohol	10.0	9.98	100	55-124	
Carbon disulfide	10.0	12.7	127	81-141	
3-Chloropropene	10.0	12.0	120	53-133	
Methylene Chloride	10.0	11.1	111	62-122	
tert-Butyl alcohol	10.0	10.7	107	64-124	
Methyl tert-butyl ether	10.0	10.0	100	67-127	
trans-1,2-Dichloroethene	10.0	12.0	120	72-132	
n-Hexane	10.0	12.1	121	71-131	
1,1-Dichloroethane	10.0	10.9	109	66-126	
Vinyl acetate	10.0	11.1	111	62-130	
Ethyl acetate	10.0	10.7	107	75-135	
Methyl Ethyl Ketone	10.0	10.2	102	62-122	
cis-1,2-Dichloroethene	10.0	10.8	108	67-127	
Chloroform	10.0	11.1	111	69-129	
Tetrahydrofuran	10.0	10.3	103	61-136	
1,1,1-Trichloroethane	10.0	10.6	106	70-130	
Cyclohexane	10.0	10.7	107	69-129	
Carbon tetrachloride	10.0	11.4	114	62-143	
2,2,4-Trimethylpentane	10.0	10.6	106	67-127	
Benzene	10.0	10.3	103	67-127	
1,2-Dichloroethane	10.0	11.0	110	67-132	
n-Heptane	10.0	10.8	108	62-130	
Trichloroethene	10.0	10.1	101	68-128	
Methyl methacrylate	10.0	10.2	102	70-130	
1,2-Dichloropropane	10.0	10.9	109	67-127	
1,4-Dioxane	10.0	9.36	94	66-132	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-42818-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 29802-03.D

Lab ID: LCS 200-127866/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Bromodichloromethane	10.0	11.1	111	69-129	
cis-1,3-Dichloropropene	10.0	11.2	112	70-130	
methyl isobutyl ketone	10.0	10.9	109	62-130	
Toluene	10.0	10.4	104	67-127	
trans-1,3-Dichloropropene	10.0	10.6	106	69-129	
1,1,2-Trichloroethane	10.0	10.8	108	69-129	
Tetrachloroethene	10.0	9.86	99	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	11.1	111	61-127	
Dibromochloromethane	10.0	11.6	116	66-130	
1,2-Dibromoethane	10.0	11.4	114	70-130	
Chlorobenzene	10.0	10.8	108	68-128	
Ethylbenzene	10.0	10.1	101	68-128	
m,p-Xylene	20.0	19.4	97	68-128	
Xylene, o-	10.0	9.68	97	67-127	
Styrene	10.0	10.3	103	68-128	
Bromoform	10.0	12.5	125	34-170	
Cumene	10.0	9.66	97	67-127	
1,1,2,2-Tetrachloroethane	10.0	10.3	103	69-129	
n-Propylbenzene	10.0	9.90	99	67-127	
4-Ethyltoluene	10.0	9.98	100	69-129	
1,3,5-Trimethylbenzene	10.0	9.67	97	65-125	
2-Chlorotoluene	10.0	10.1	101	67-127	
tert-Butylbenzene	10.0	9.39	94	63-125	
1,2,4-Trimethylbenzene	10.0	9.65	97	65-125	
sec-Butylbenzene	10.0	9.51	95	66-126	
4-Isopropyltoluene	10.0	9.59	96	67-129	
1,3-Dichlorobenzene	10.0	9.36	94	67-127	
1,4-Dichlorobenzene	10.0	9.51	95	66-126	
Benzyl chloride	10.0	10.2	102	54-135	
n-Butylbenzene	10.0	9.87	99	67-127	
1,2-Dichlorobenzene	10.0	9.36	94	67-127	
1,2,4-Trichlorobenzene	10.0	9.41	94	59-126	
Hexachlorobutadiene	10.0	8.51	85	62-130	
Naphthalene	10.0	8.78	88	50-121	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-42818-1

SDG No.:

Lab File ID: 29802-04.D Lab Sample ID: MB 200-127866/4

Matrix: Air Heated Purge:(Y/N) N

Instrument ID: CHG.i Date Analyzed: 03/28/2018 15:12

GC Column: RTX-624 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-127866/3	29802-03.D	03/28/2018 14:22
2537	200-42818-10	29802-19.D	03/29/2018 03:58

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-42818-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 200-127866/4

Matrix: Air | Lab File ID: 29802-04.D

Analysis Method: TO-15 | Date Collected:

Sample wt/vol: 200(mL) | Date Analyzed: 03/28/2018 15:12

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 127866 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	5.0	U	5.0	5.0
75-71-8	Dichlorodifluoromethane	0.50	U	0.50	0.50
75-45-6	Freon 22	0.50	U	0.50	0.50
76-14-2	1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.20
74-87-3	Chloromethane	0.50	U	0.50	0.50
106-97-8	n-Butane	0.50	U	0.50	0.50
75-01-4	Vinyl chloride	0.20	U	0.20	0.20
106-99-0	1,3-Butadiene	0.20	U	0.20	0.20
74-83-9	Bromomethane	0.20	U	0.20	0.20
75-00-3	Chloroethane	0.50	U	0.50	0.50
593-60-2	Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.20
75-69-4	Trichlorofluoromethane	0.20	U	0.20	0.20
64-17-5	Ethanol	5.0	U	5.0	5.0
76-13-1	Freon TF	0.20	U	0.20	0.20
75-35-4	1,1-Dichloroethene	0.20	U	0.20	0.20
67-64-1	Acetone	5.0	U	5.0	5.0
67-63-0	Isopropyl alcohol	5.0	U	5.0	5.0
75-15-0	Carbon disulfide	0.50	U	0.50	0.50
107-05-1	3-Chloropropene	0.50	U	0.50	0.50
75-09-2	Methylene Chloride	0.50	U	0.50	0.50
75-65-0	tert-Butyl alcohol	5.0	U	5.0	5.0
1634-04-4	Methyl tert-butyl ether	0.20	U	0.20	0.20
156-60-5	trans-1,2-Dichloroethene	0.20	U	0.20	0.20
110-54-3	n-Hexane	0.20	U	0.20	0.20
75-34-3	1,1-Dichloroethane	0.20	U	0.20	0.20
108-05-4	Vinyl acetate	5.0	U	5.0	5.0
141-78-6	Ethyl acetate	5.0	U	5.0	5.0
78-93-3	Methyl Ethyl Ketone	0.50	U	0.50	0.50
156-59-2	cis-1,2-Dichloroethene	0.20	U	0.20	0.20
540-59-0	1,2-Dichloroethene, Total	0.40	U	0.40	0.40
67-66-3	Chloroform	0.20	U	0.20	0.20
109-99-9	Tetrahydrofuran	5.0	U	5.0	5.0
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	0.20
110-82-7	Cyclohexane	0.20	U	0.20	0.20
56-23-5	Carbon tetrachloride	0.20	U	0.20	0.20
540-84-1	2,2,4-Trimethylpentane	0.20	U	0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-42818-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 200-127866/4

Matrix: Air | Lab File ID: 29802-04.D

Analysis Method: TO-15 | Date Collected:

Sample wt/vol: 200(mL) | Date Analyzed: 03/28/2018 15:12

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 127866 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.20	U	0.20	0.20
107-06-2	1,2-Dichloroethane	0.20	U	0.20	0.20
142-82-5	n-Heptane	0.20	U	0.20	0.20
79-01-6	Trichloroethene	0.20	U	0.20	0.20
80-62-6	Methyl methacrylate	0.50	U	0.50	0.50
78-87-5	1,2-Dichloropropane	0.20	U	0.20	0.20
123-91-1	1,4-Dioxane	5.0	U	5.0	5.0
75-27-4	Bromodichloromethane	0.20	U	0.20	0.20
10061-01-5	cis-1,3-Dichloropropene	0.20	U	0.20	0.20
108-10-1	methyl isobutyl ketone	0.50	U	0.50	0.50
108-88-3	Toluene	0.20	U	0.20	0.20
10061-02-6	trans-1,3-Dichloropropene	0.20	U	0.20	0.20
79-00-5	1,1,2-Trichloroethane	0.20	U	0.20	0.20
127-18-4	Tetrachloroethene	0.20	U	0.20	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.50
124-48-1	Dibromochloromethane	0.20	U	0.20	0.20
106-93-4	1,2-Dibromoethane	0.20	U	0.20	0.20
108-90-7	Chlorobenzene	0.20	U	0.20	0.20
100-41-4	Ethylbenzene	0.20	U	0.20	0.20
179601-23-1	m,p-Xylene	0.50	U	0.50	0.50
95-47-6	Xylene, o-	0.20	U	0.20	0.20
1330-20-7	Xylene (total)	0.70	U	0.70	0.70
100-42-5	Styrene	0.20	U	0.20	0.20
75-25-2	Bromoform	0.20	U	0.20	0.20
98-82-8	Cumene	0.20	U	0.20	0.20
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.20
103-65-1	n-Propylbenzene	0.20	U	0.20	0.20
622-96-8	4-Ethyltoluene	0.20	U	0.20	0.20
108-67-8	1,3,5-Trimethylbenzene	0.20	U	0.20	0.20
95-49-8	2-Chlorotoluene	0.20	U	0.20	0.20
98-06-6	tert-Butylbenzene	0.20	U	0.20	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	0.20	0.20
135-98-8	sec-Butylbenzene	0.20	U	0.20	0.20
99-87-6	4-Isopropyltoluene	0.20	U	0.20	0.20
541-73-1	1,3-Dichlorobenzene	0.20	U	0.20	0.20
106-46-7	1,4-Dichlorobenzene	0.20	U	0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-42818-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-127866/4

Matrix: Air Lab File ID: 29802-04.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 03/28/2018 15:12

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 127866 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.20	U	0.20	0.20
104-51-8	n-Butylbenzene	0.20	U	0.20	0.20
95-50-1	1,2-Dichlorobenzene	0.20	U	0.20	0.20
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.50
87-68-3	Hexachlorobutadiene	0.20	U	0.20	0.20
91-20-3	Naphthalene	0.50	U	0.50	0.50

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20180328-29802.b\29802-04.D
Lims ID: mb
Client ID:
Sample Type: MB
Inject. Date: 28-Mar-2018 15:12:30 ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0029802-004
Operator ID: vtp Instrument ID: CHG.i

Method: \\ChromNA\Burlington\ChromData\CHG.i\20180328-29802.b\TO15_MasterMethod_(v1)_G.m
Limit Group: AI_TO15_ICAL
Last Update: 29-Mar-2018 10:44:27 Calib Date: 23-Mar-2018 00:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHG.i\20180322-29716.b\29716-12.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK014

First Level Reviewer: puangmaleek Date: 29-Mar-2018 10:44:27

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41		3.112					ND	
2 Dichlorodifluoromethane	85		3.165					ND	
3 Chlorodifluoromethane	51		3.203					ND	
4 1,2-Dichloro-1,1,2,2-tetra	85		3.374					ND	
5 Chloromethane	50		3.486					ND	
6 Butane	43		3.641					ND	
7 Vinyl chloride	62		3.673					ND	
8 Butadiene	54		3.732					ND	
10 Bromomethane	94		4.267					ND	
11 Chloroethane	64		4.444					ND	
12 2-Methylbutane	43		4.497					ND	
13 Vinyl bromide	106		4.759					ND	
14 Trichlorofluoromethane	101		4.829					ND	
16 Pentane	43		4.936					ND	
17 Ethanol	45		5.294					ND	
18 Ethyl ether	59		5.364					ND	
19 Acrolein	56		5.696					ND	
20 1,1,2-Trichloro-1,2,2-trif	101		5.696					ND	
21 1,1-Dichloroethene	96		5.749					ND	U
22 Acetone	43		5.963					ND	
23 Carbon disulfide	76		6.113					ND	
24 Isopropyl alcohol	45		6.199					ND	
25 3-Chloro-1-propene	41		6.418					ND	
26 Acetonitrile	41		6.546					ND	
27 Methylene Chloride	49		6.669					ND	
28 2-Methyl-2-propanol	59		6.889					ND	
29 Methyl tert-butyl ether	73		7.049					ND	
31 trans-1,2-Dichloroethene	61		7.065					ND	
32 Acrylonitrile	53		7.204					ND	
33 Hexane	57		7.402					ND	
34 1,1-Dichloroethane	63		7.857					ND	
35 Vinyl acetate	43		7.921					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
37 cis-1,2-Dichloroethene	96		8.868					ND	
38 2-Butanone (MEK)	72		8.938					ND	
39 Ethyl acetate	88		8.970					ND	
* 40 Chlorobromomethane	128	9.307	9.307	0.000	78	543868	10.0	10.0	
41 Tetrahydrofuran	42		9.350					ND	
42 Chloroform	83		9.419					ND	
S 30 1,2-Dichloroethene, Total	61		9.665					ND	
43 Cyclohexane	84		9.665					ND	
44 1,1,1-Trichloroethane	97		9.692					ND	
45 Carbon tetrachloride	117		9.927					ND	
46 Isooctane	57		10.339					ND	
47 Benzene	78		10.377					ND	
48 1,2-Dichloroethane	62		10.553					ND	
49 n-Heptane	43		10.714					ND	
* 50 1,4-Difluorobenzene	114	11.190	11.190	0.000	94	2761948	10.0	10.0	
52 n-Butanol	56		11.634					ND	
53 Trichloroethene	95	11.650	11.639	0.000	86	1825		0.0180	
54 1,2-Dichloropropane	63		12.196					ND	
A 51 GRO	1	12.351	(4.487-20.214)		0	909242		0	
55 Methyl methacrylate	69		12.377					ND	
57 Dibromomethane	174		12.447					ND	
56 1,4-Dioxane	88		12.452					ND	
T 36 Methyl cyclohexane TIC	55		12.585					ND	
58 Dichlorobromomethane	83		12.731					ND	
60 cis-1,3-Dichloropropene	75		13.651					ND	
61 4-Methyl-2-pentanone (MIBK	43		13.966					ND	
65 Toluene	92		14.234					ND	
A 63 Toluene Range	92	14.234	(14.194-14.274)		0	9267		NC	
A 59 TVOC as Toluene	92	14.255	(3.102-25.409)		0	956138		0	
64 n-Octane	43		14.298					ND	
A 62 C8 Range	1	14.301	(14.287-14.315)		0	1457		NC	
66 trans-1,3-Dichloropropene	75		14.833					ND	
67 1,1,2-Trichloroethane	83		15.202					ND	
68 Tetrachloroethene	166		15.304					ND	
69 2-Hexanone	43		15.689					ND	
71 Chlorodibromomethane	129		15.962					ND	
72 Ethylene Dibromide	107		16.229					ND	
* 74 Chlorobenzene-d5	117	17.133	17.133	0.000	87	2353959	10.0	10.0	
75 Chlorobenzene	112		17.198					ND	
76 Ethylbenzene	91		17.353					ND	U
77 n-Nonane	57		17.502					ND	
78 m-Xylene & p-Xylene	106		17.609					ND	
79 o-Xylene	106		18.460					ND	
80 Styrene	104		18.519					ND	
81 Bromoform	173		18.963					ND	
82 Isopropylbenzene	105		19.209					ND	
* 83 4-Bromofluorobenzene	95	19.599	19.600	-0.001	88	1632236	10.0	10.0	
S 73 Xylenes, Total	106		19.600					ND	
84 1,1,2,2-Tetrachloroethane	83		19.921					ND	
85 N-Propylbenzene	91		19.990					ND	
86 1,2,3-Trichloropropane	75		20.017					ND	
89 2-Chlorotoluene	91		20.193					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
88 4-Ethyltoluene	105		20.193					ND	
87 n-Decane	57		20.204					ND	
90 1,3,5-Trimethylbenzene	105		20.311					ND	
91 Alpha Methyl Styrene	118		20.696					ND	
92 tert-Butylbenzene	119		20.825					ND	
93 1,2,4-Trimethylbenzene	105		20.926					ND	
94 sec-Butylbenzene	105		21.167					ND	
95 4-Isopropyltoluene	119		21.381					ND	
96 1,3-Dichlorobenzene	146	21.402	21.390	0.005	83	2172		0.0122	
97 1,4-Dichlorobenzene	146	21.536	21.535	-0.005	16	3186		0.0183	
98 Benzyl chloride	91		21.745					ND	
100 n-Butylbenzene	91		21.964					ND	
99 Undecane	57		22.007					ND	
101 1,2-Dichlorobenzene	146	22.066	22.064	-0.005	87	2525		0.0150	
102 Dodecane	57		23.553					ND	
103 1,2,4-Trichlorobenzene	180	24.500	24.481	0.011	53	3144		0.0317	
104 Hexachlorobutadiene	225		24.676					ND	
105 Naphthalene	128	24.955	24.941	0.006	96	8121		0.0392	
106 1,2,3-Trichlorobenzene	180		25.399					ND	U
T 108 1,1,1,2-Tetrachloroethane	1		0.000					ND	
T 107 Methyl acetylene TIC	1		0.000					ND	
T 109 1,3-Dichloropropane TIC	1		0.000					ND	
T 15 Methyl Acetate TIC	43		0.000					ND	
T 70 1,2-Dibromo-3-Chloropropan	75		0.000					ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

U - Marked Undetected

Reagents:

ATTO15GIS_00015 Amount Added: 20.00 Units: mL Run Reagent

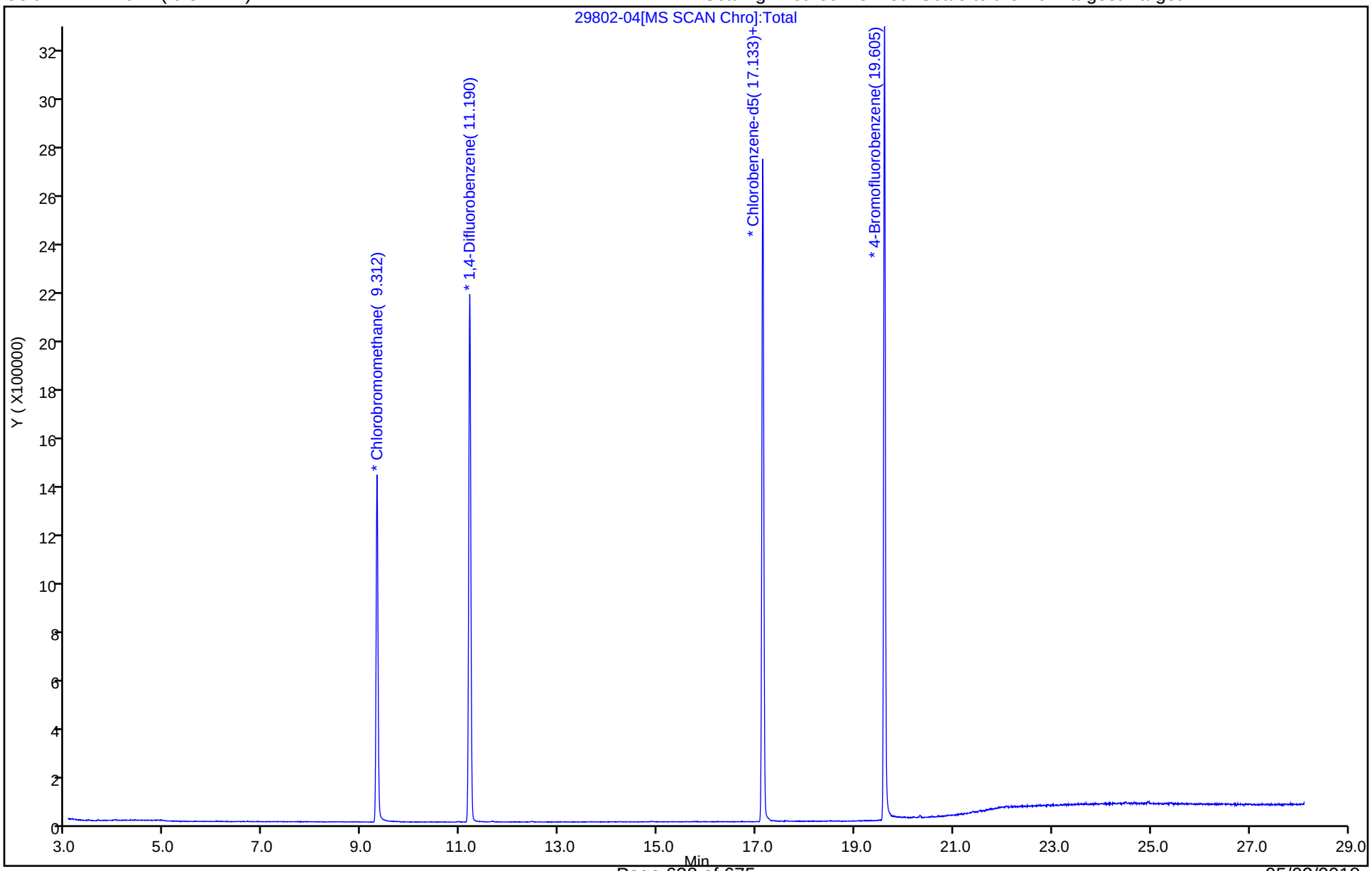
Report Date: 29-Mar-2018 10:44:28 Chrom Revision: 2.2 13-Mar-2018 08:45:20

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20180328-29802.b\29802-04.D

Injection Date:	28-Mar-2018 15:12:30	Instrument ID:	CHG.i	Operator ID:	vtp
Lims ID:	mb			Worklist Smp#:	4
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	TO15_MasterMethod_(v1)_G	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



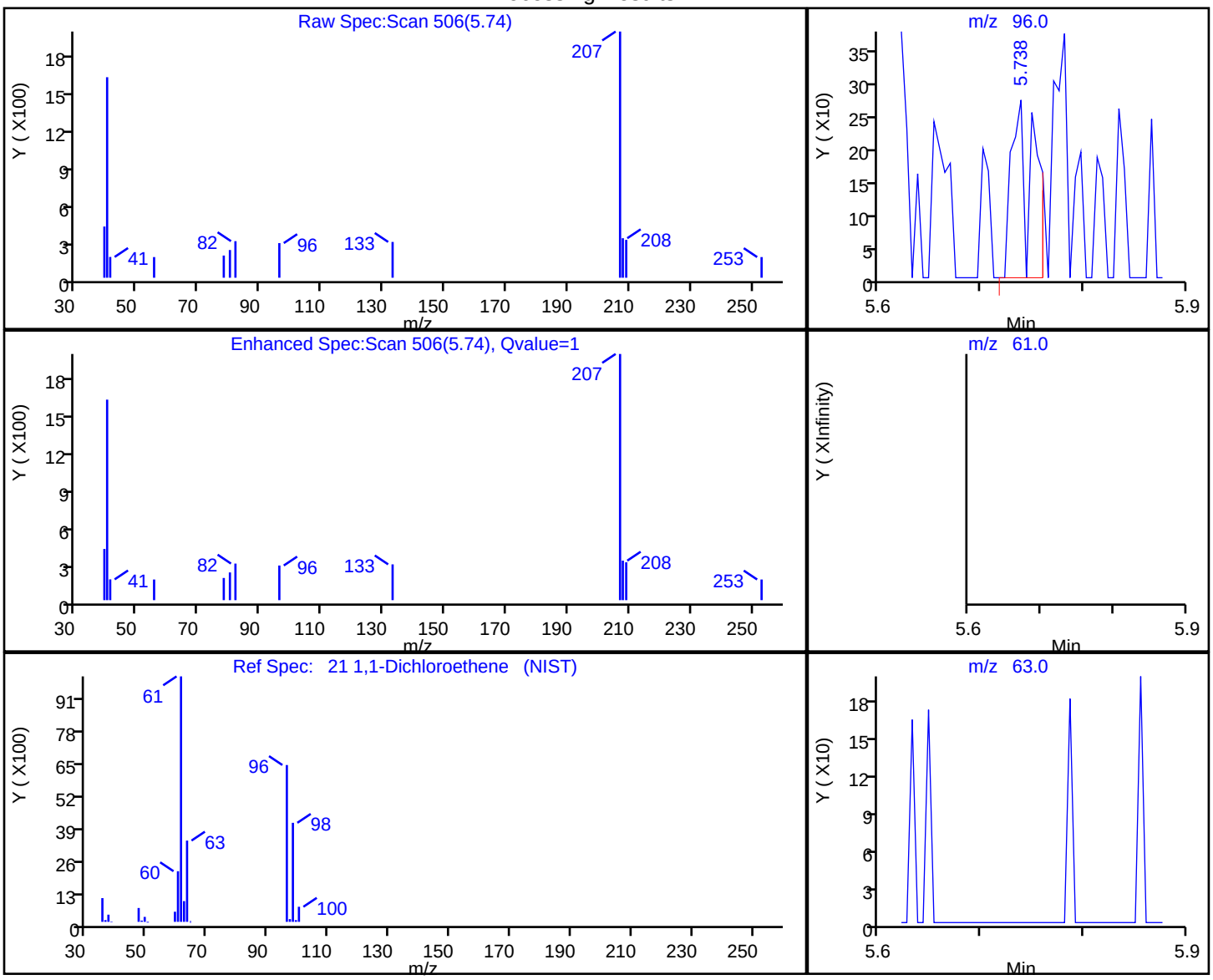
User Disabled Compound Report

TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHG.i\20180328-29802.b\29802-04.D				
Injection Date:	28-Mar-2018 15:12:30	Instrument ID:	CHG.i		
Lims ID:	mb				
Client ID:					
Operator ID:	vtp	ALS Bottle#:	4	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

21 1,1-Dichloroethene, CAS: 75-35-4

Processing Results



RT	Mass	Response	Amount
5.74	96.00	408	0.009277
5.75	61.00	0	
5.75	63.00	0	

Reviewer: puangmaleek, 29-Mar-2018 10:44:27

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

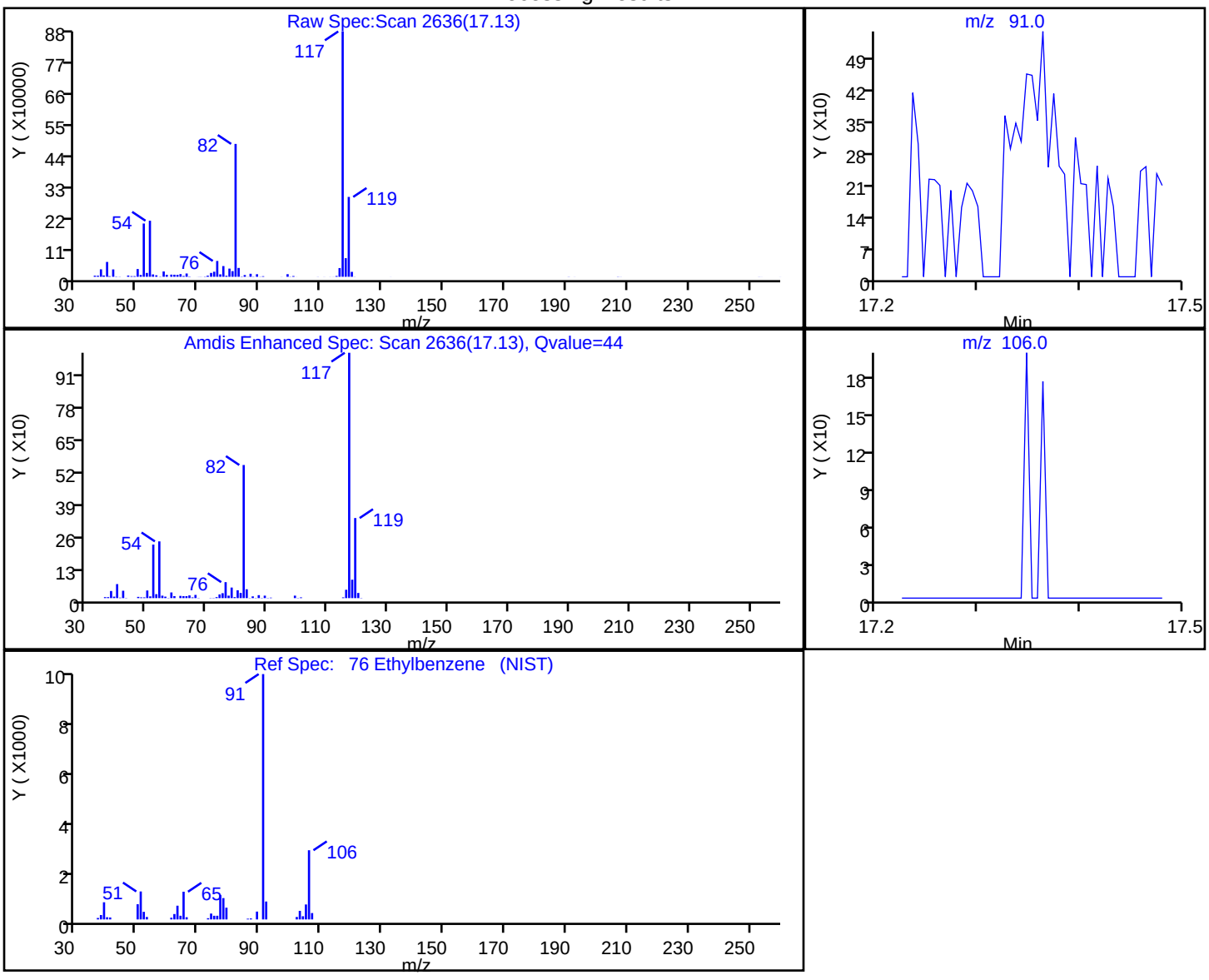
User Disabled Compound Report

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20180328-29802.b\29802-04.D
Injection Date: 28-Mar-2018 15:12:30 Instrument ID: CHG.i
Lims ID: mb
Client ID:
Operator ID: vtp ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_G Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

76 Ethylbenzene, CAS: 100-41-4

Processing Results



RT	Mass	Response	Amount
17.13	91.00	3049	0.012292
17.35	106.00	0	

Reviewer: puangmaleek, 29-Mar-2018 10:44:27
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-42818-1

SDG No.:

Lab File ID: 29716-01.D BFB Injection Date: 03/22/2018

Instrument ID: CHG.i BFB Injection Time: 14:58

Analysis Batch No.: 127670

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	18.1	
75	30.0 - 66.0% of mass 95	48.5	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	7.1	
173	Less than 2.0% of mass 174	0.3	(0.4) 1
174	50.0 - 120.0% of mass 95	73.1	
175	4.0 - 9.0 % of mass 174	5.2	(7.0) 1
176	93.0 - 101.0% of mass 174	71.9	(98.3) 1
177	5.0 - 9.0% of mass 176	4.7	(6.5) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 200-127670/4	29716-04.D	03/22/2018	17:35
	IC 200-127670/5	29716-05.D	03/22/2018	18:26
	IC 200-127670/6	29716-06.D	03/22/2018	19:16
	IC 200-127670/8	29716-08.D	03/22/2018	20:57
	ICIS 200-127670/9	29716-09.D	03/22/2018	21:47
	IC 200-127670/10	29716-10.D	03/22/2018	22:38
	IC 200-127670/11	29716-11.D	03/22/2018	23:28
	IC 200-127670/12	29716-12.D	03/23/2018	00:18
	ICV 200-127670/16	29716-16.D	03/23/2018	03:40

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-42818-1

SDG No.:

Lab File ID: 29802-01.D BFB Injection Date: 03/28/2018

Instrument ID: CHG.i BFB Injection Time: 12:33

Analysis Batch No.: 127866

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	17.8	
75	30.0 - 66.0% of mass 95	47.5	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	7.0	
173	Less than 2.0% of mass 174	0.3	(0.4) 1
174	50.0 - 120.0% of mass 95	75.3	
175	4.0 - 9.0 % of mass 174	5.3	(7.1) 1
176	93.0 - 101.0% of mass 174	74.2	(98.6) 1
177	5.0 - 9.0% of mass 176	4.9	(6.6) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 200-127866/2	29802-02.D	03/28/2018	13:32
	LCS 200-127866/3	29802-03.D	03/28/2018	14:22
	MB 200-127866/4	29802-04.D	03/28/2018	15:12
2537	200-42818-10	29802-19.D	03/29/2018	03:58

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-42818-1

SDG No.:

Sample No.: ICIS 200-127670/9 Date Analyzed: 03/22/2018 21:47

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): 29716-09.D Heated Purge: (Y/N) N

Calibration ID: 39154

		BCM		DFBZ		CBNZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		573342	9.31	2929242	11.19	2665626	17.14
UPPER LIMIT		802679	9.64	4100939	11.52	3731876	17.47
LOWER LIMIT		344005	8.98	1757545	10.86	1599376	16.81
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-127670/16		606991	9.32	3123506	11.20	2849231	17.14

BCM = Bromochloromethane
DFBZ = 1,4-Difluorobenzene
CBNZd5 = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-42818-1

SDG No.:

Sample No.: CCVIS 200-127866/2 Date Analyzed: 03/28/2018 13:32

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): 29802-02.D Heated Purge: (Y/N) N

Calibration ID: 39154

		BCM		DFBZ		CBNZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		538153	9.31	2605554	11.19	2360057	17.13
UPPER LIMIT		753414	9.64	3647776	11.52	3304080	17.46
LOWER LIMIT		322892	8.98	1563332	10.86	1416034	16.80
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-127866/3		502932	9.31	2551524	11.20	2261455	17.13
MB 200-127866/4		543868	9.31	2761948	11.19	2353959	17.13
200-42818-10	2537	516378	9.30	2600120	11.18	2222927	17.13

BCM = Bromochloromethane
DFBZ = 1,4-Difluorobenzene
CBNZd5 = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-42818-1

SDG No.:

Client Sample ID: 2537 | Lab Sample ID: 200-42818-10

Matrix: Air | Lab File ID: 29802-19.D

Analysis Method: TO-15 | Date Collected: 03/27/2018 00:00

Sample wt/vol: 1000(mL) | Date Analyzed: 03/29/2018 03:58

Soil Aliquot Vol: | Dilution Factor: 0.2

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 127866 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.040	U	0.040	0.040
106-99-0	1,3-Butadiene	0.040	U	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U	0.10	0.10
593-60-2	Bromoethene(Vinyl Bromide)	0.040	U	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.040	U	0.040	0.040
67-64-1	Acetone	1.0	U	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.040	U	0.040	0.040
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.040	U	0.040	0.040
540-59-0	1,2-Dichloroethene, Total	0.080	U	0.080	0.080
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U	1.0	1.0
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.040
110-82-7	Cyclohexane	0.040	U	0.040	0.040
56-23-5	Carbon tetrachloride	0.040	U	0.040	0.040
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-42818-1

SDG No.:

Client Sample ID: 2537 | Lab Sample ID: 200-42818-10

Matrix: Air | Lab File ID: 29802-19.D

Analysis Method: TO-15 | Date Collected: 03/27/2018 00:00

Sample wt/vol: 1000(mL) | Date Analyzed: 03/29/2018 03:58

Soil Aliquot Vol: | Dilution Factor: 0.2

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 127866 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.040	U	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.040
142-82-5	n-Heptane	0.040	U	0.040	0.040
79-01-6	Trichloroethene	0.040	U	0.040	0.040
80-62-6	Methyl methacrylate	0.10	U	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.14	U	0.14	0.14
100-42-5	Styrene	0.040	U	0.040	0.040
75-25-2	Bromoform	0.040	U	0.040	0.040
98-82-8	Cumene	0.040	U	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.040
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-42818-1

SDG No.:

Client Sample ID: 2537 Lab Sample ID: 200-42818-10

Matrix: Air Lab File ID: 29802-19.D

Analysis Method: TO-15 Date Collected: 03/27/2018 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 03/29/2018 03:58

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 127866 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U	0.10	0.10

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20180328-29802.b\29802-19.D
Lims ID: 200-42818-A-10
Client ID: 2537
Sample Type: Client
Inject. Date: 29-Mar-2018 03:58:30 ALS Bottle#: 19 Worklist Smp#: 19
Purge Vol: 200.000 mL Dil. Factor: 0.2000
Sample Info: 200-0029802-019
Operator ID: vtp Instrument ID: CHG.i

Method: \\ChromNA\Burlington\ChromData\CHG.i\20180328-29802.b\TO15_MasterMethod_(v1)_G.m
Limit Group: AI_TO15_ICAL
Last Update: 29-Mar-2018 15:47:49 Calib Date: 23-Mar-2018 00:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHG.i\20180322-29716.b\29716-12.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK014

First Level Reviewer: puangmaleek Date: 29-Mar-2018 15:47:49

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
1	Propene	41		3.112				ND	
2	Dichlorodifluoromethane	85		3.165				ND	
3	Chlorodifluoromethane	51		3.203				ND	
4	1,2-Dichloro-1,1,2,2-tetra	85		3.374				ND	
5	Chloromethane	50		3.486				ND	
6	Butane	43		3.641				ND	
7	Vinyl chloride	62		3.673				ND	
8	Butadiene	54		3.732				ND	
10	Bromomethane	94		4.267				ND	
11	Chloroethane	64		4.444				ND	
13	Vinyl bromide	106		4.759				ND	
14	Trichlorofluoromethane	101		4.829				ND	
17	Ethanol	45		5.294				ND	
20	1,1,2-Trichloro-1,2,2-trif	101		5.696				ND	
21	1,1-Dichloroethene	96		5.749				ND	U
22	Acetone	43		5.963				ND	
23	Carbon disulfide	76		6.113				ND	
24	Isopropyl alcohol	45		6.199				ND	
25	3-Chloro-1-propene	41		6.418				ND	
27	Methylene Chloride	49		6.669				ND	
28	2-Methyl-2-propanol	59		6.889				ND	
29	Methyl tert-butyl ether	73		7.049				ND	
31	trans-1,2-Dichloroethene	61		7.065				ND	
33	Hexane	57		7.402				ND	
34	1,1-Dichloroethane	63		7.857				ND	
35	Vinyl acetate	43		7.921				ND	
37	cis-1,2-Dichloroethene	96		8.868				ND	
38	2-Butanone (MEK)	72		8.938				ND	
39	Ethyl acetate	88		8.970				ND	
* 40	Chlorobromomethane	128	9.301	9.307	-0.006	80	516378	10.0	
41	Tetrahydrofuran	42		9.350				ND	
42	Chloroform	83		9.419				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
S 30 1,2-Dichloroethene, Total	61		9.665				ND	
43 Cyclohexane	84		9.665				ND	
44 1,1,1-Trichloroethane	97		9.692				ND	
45 Carbon tetrachloride	117		9.927				ND	
46 Isooctane	57		10.339				ND	
47 Benzene	78		10.377				ND	
48 1,2-Dichloroethane	62		10.553				ND	
49 n-Heptane	43		10.714				ND	
* 50 1,4-Difluorobenzene	114	11.179	11.190	-0.011	95	2600120	10.0	
53 Trichloroethene	95		11.650				ND	
54 1,2-Dichloropropane	63		12.196				ND	
55 Methyl methacrylate	69		12.377				ND	
57 Dibromomethane	174		12.447				ND	
56 1,4-Dioxane	88		12.452				ND	
58 Dichlorobromomethane	83		12.731				ND	
60 cis-1,3-Dichloropropene	75		13.651				ND	
61 4-Methyl-2-pentanone (MIBK	43		13.966				ND	
65 Toluene	92		14.234				ND	
66 trans-1,3-Dichloropropene	75		14.833				ND	
67 1,1,2-Trichloroethane	83		15.202				ND	
68 Tetrachloroethene	166		15.304				ND	
69 2-Hexanone	43		15.689				ND	
71 Chlorodibromomethane	129		15.962				ND	
72 Ethylene Dibromide	107		16.229				ND	
* 74 Chlorobenzene-d5	117	17.133	17.133	0.000	88	2222927	10.0	
75 Chlorobenzene	112		17.198				ND	
76 Ethylbenzene	91		17.353				ND	U
78 m-Xylene & p-Xylene	106		17.609				ND	
79 o-Xylene	106		18.460				ND	
80 Styrene	104		18.519				ND	
81 Bromoform	173		18.963				ND	
82 Isopropylbenzene	105		19.209				ND	
S 73 Xylenes, Total	106		19.600				ND	
84 1,1,2,2-Tetrachloroethane	83		19.921				ND	
85 N-Propylbenzene	91		19.990				ND	
89 2-Chlorotoluene	91		20.193				ND	
88 4-Ethyltoluene	105		20.193				ND	
90 1,3,5-Trimethylbenzene	105		20.311				ND	
92 tert-Butylbenzene	119		20.825				ND	
93 1,2,4-Trimethylbenzene	105		20.926				ND	
94 sec-Butylbenzene	105		21.167				ND	
95 4-Isopropyltoluene	119		21.381				ND	
96 1,3-Dichlorobenzene	146		21.397				ND	
97 1,4-Dichlorobenzene	146		21.541				ND	
98 Benzyl chloride	91		21.745				ND	
100 n-Butylbenzene	91		21.964				ND	
101 1,2-Dichlorobenzene	146		22.071				ND	
103 1,2,4-Trichlorobenzene	180		24.489				ND	
104 Hexachlorobutadiene	225		24.676				ND	
105 Naphthalene	128		24.949				ND	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

ATTO15GIS_00015 Amount Added: 20.00 Units: mL Run Reagent

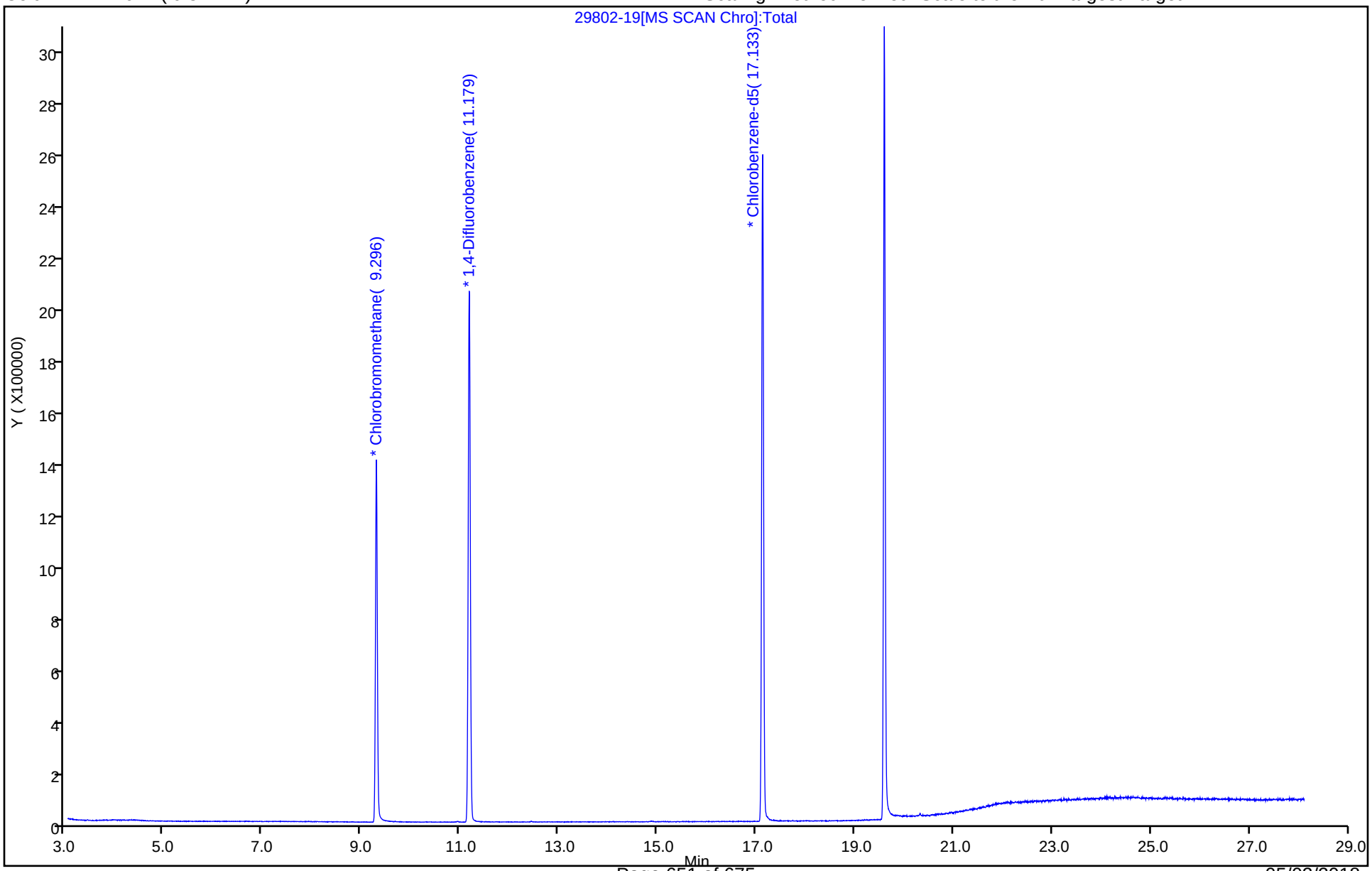
Report Date: 29-Mar-2018 15:47:50 Chrom Revision: 2.2 13-Mar-2018 08:45:20

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20180328-29802.b\29802-19.D

Injection Date:	29-Mar-2018 03:58:30	Instrument ID:	CHG.i	Operator ID:	vtp
Lims ID:	200-42818-A-10	Lab Sample ID:	200-42818-10	Worklist Smp#:	19
Client ID:	2537				
Purge Vol:	200.000 mL	Dil. Factor:	0.2000	ALS Bottle#:	19
Method:	TO15_MasterMethod_(v1)_G	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



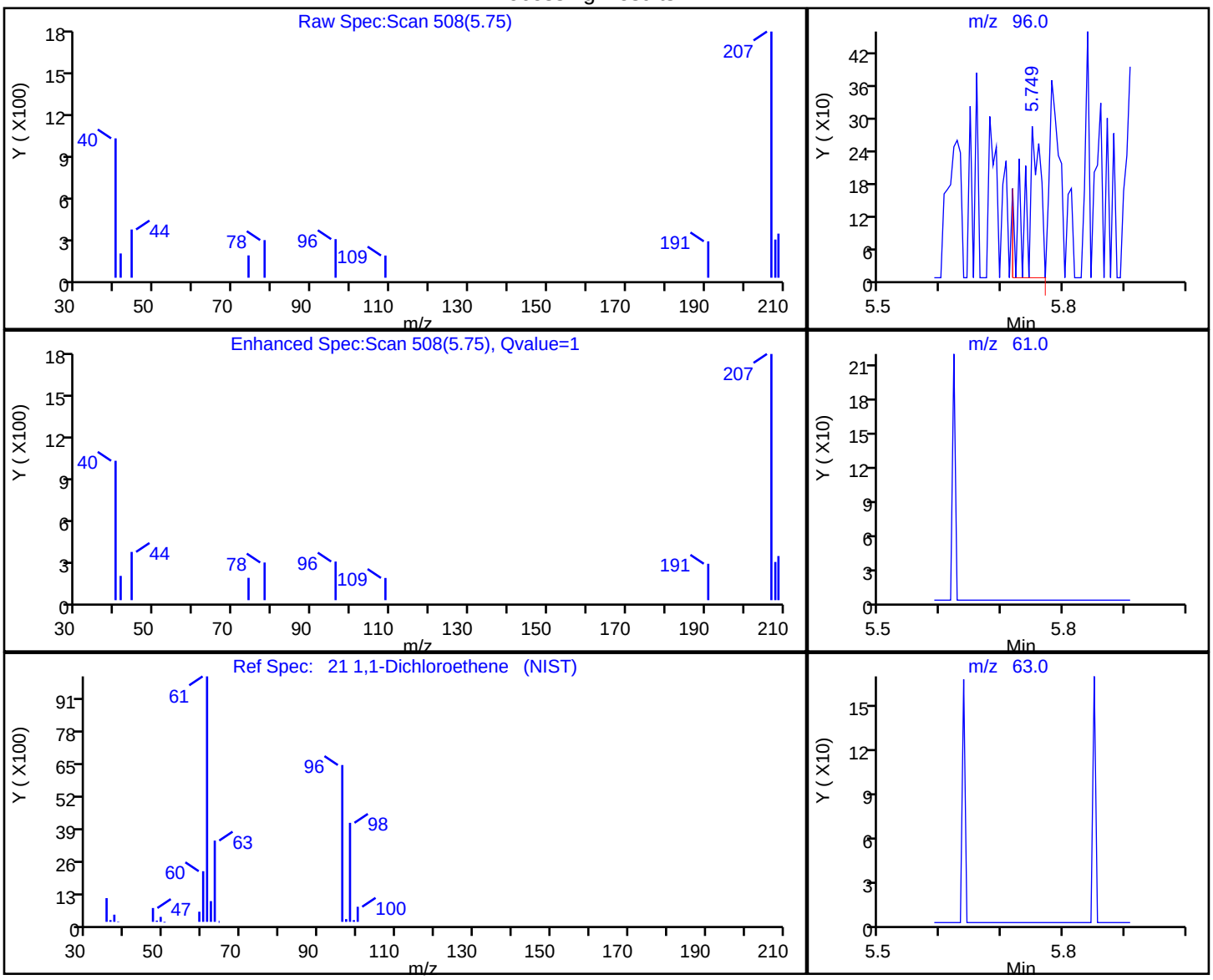
User Disabled Compound Report

TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHG.i\20180328-29802.b\29802-19.D				
Injection Date:	29-Mar-2018 03:58:30	Instrument ID:	CHG.i		
Lims ID:	200-42818-A-10	Lab Sample ID:	200-42818-10		
Client ID:	2537				
Operator ID:	vtp	ALS Bottle#:	19	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	0.2000		
Method:	TO15_MasterMethod_(v1)_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

21 1,1-Dichloroethene, CAS: 75-35-4

Processing Results



RT	Mass	Response	Amount
5.75	96.00	477	0.011423
5.75	61.00	0	
5.75	63.00	0	

Reviewer: puangmaleek, 29-Mar-2018 15:47:49

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

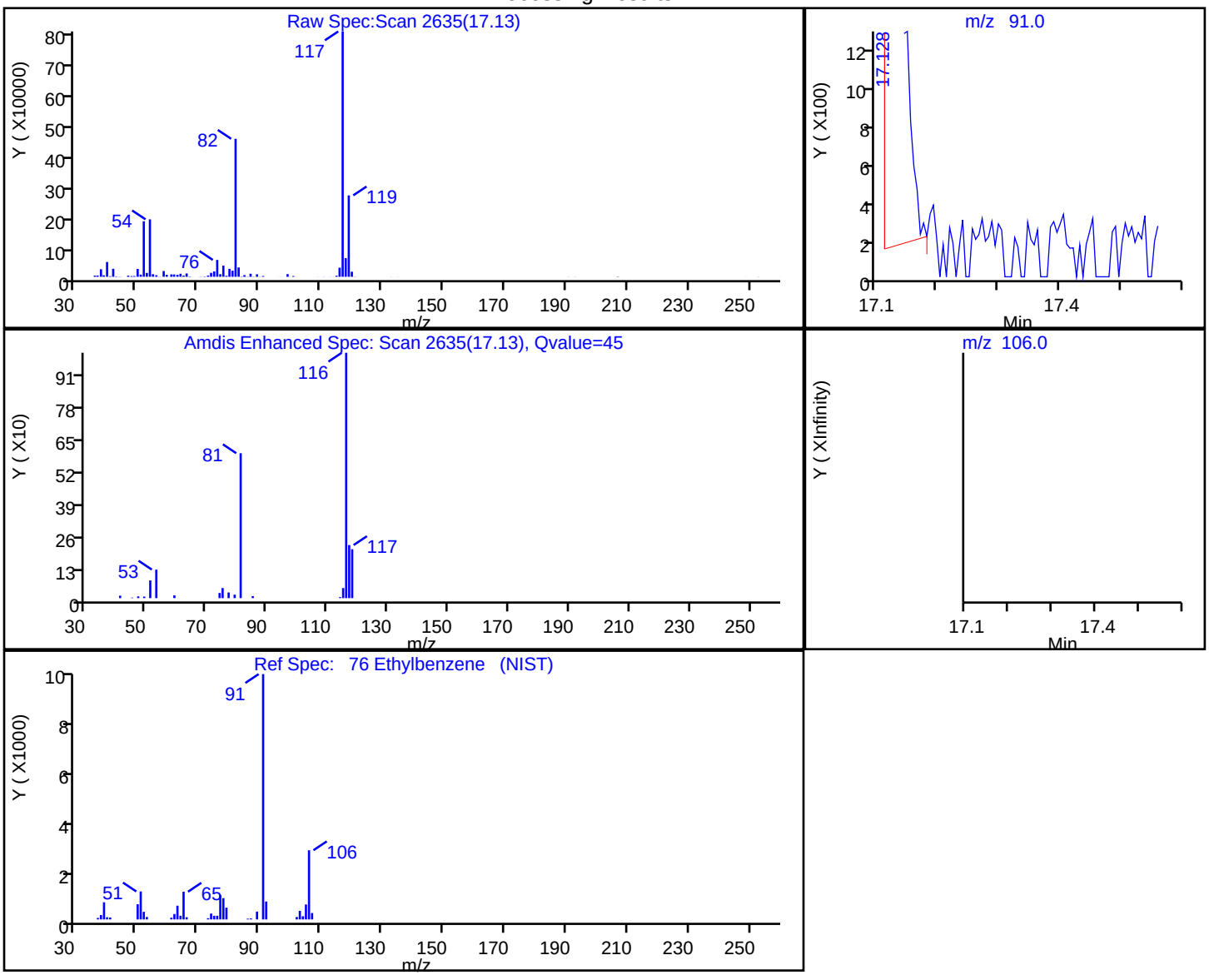
User Disabled Compound Report

TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHG.i\20180328-29802.b\29802-19.D				
Injection Date:	29-Mar-2018 03:58:30	Instrument ID:	CHG.i		
Lims ID:	200-42818-A-10	Lab Sample ID:	200-42818-10		
Client ID:	2537				
Operator ID:	vtp	ALS Bottle#:	19	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	0.2000		
Method:	TO15_MasterMethod_(v1)_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

76 Ethylbenzene, CAS: 100-41-4

Processing Results



RT	Mass	Response	Amount
17.13	91.00	4403	0.018797
17.35	106.00	0	

Reviewer: puangmaleek, 29-Mar-2018 15:47:49

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-42818-1 Analy Batch No.: 127670

SDG No.:

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/22/2018 17:35 Calibration End Date: 03/23/2018 00:18 Calibration ID: 39154

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-127670/4	29716-04.D
Level 2	IC 200-127670/5	29716-05.D
Level 3	IC 200-127670/6	29716-06.D
Level 4	IC 200-127670/8	29716-08.D
Level 5	ICIS 200-127670/9	29716-09.D
Level 6	IC 200-127670/10	29716-10.D
Level 7	IC 200-127670/11	29716-11.D
Level 8	IC 200-127670/12	29716-12.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Propylene	+++++ 0.5836	+++++ 0.5271	+++++ 0.4678	0.6378	0.5516	Ave		0.5536				11.4		30.0			
Dichlorodifluoromethane	+++++ 3.6478	+++++ 3.2796	4.0656 2.7851	3.9313	3.4860	Ave		3.5326				13.2		30.0			
Freon 22	+++++ 1.5159	+++++ 1.3544	1.7026 1.2057	1.6823	1.4352	Ave		1.4827				13.0		30.0			
1,2-Dichlorotetrafluoroethane	+++++ 2.7626	3.0034 2.4841	3.1402 2.1239	3.0153	2.6591	Ave		2.7412				13.0		30.0			
Chloromethane	+++++ 0.7458	+++++ 0.6717	0.8317 0.5982	0.8753	0.7008	Ave		0.7372				14.0		30.0			
n-Butane	+++++ 1.0689	+++++ 0.9683	1.2048 0.8461	1.1611	1.0269	Ave		1.0460				12.5		30.0			
Vinyl chloride	1.0244 0.8627	0.9182 0.7795	0.9746 0.6908	0.9042	0.8202	Ave		0.8718				12.3		30.0			
1,3-Butadiene	0.6476 0.5805	0.5961 0.5290	0.6008 0.4674	0.6125	0.5471	Ave		0.5726				9.8		30.0			
Bromomethane	+++++ 1.0773	1.1454 1.0051	1.1719 0.8945	1.1133	1.0059	Ave		1.0591				9.1		30.0			
Chloroethane	+++++ 0.3478	+++++ 0.3249	0.3736 0.2895	0.3606	0.3205	Ave		0.3362				9.1		30.0			
Isopentane	+++++ 0.6875	0.8285 0.6273	0.7935 0.5522	0.7252	0.6357	Ave		0.6929				14.1		30.0			
Bromoethene(Vinyl Bromide)	+++++ 1.0962	1.0871 1.0354	1.1424 0.9240	1.1128	0.9972	Ave		1.0564				7.2		30.0			
Trichlorofluoromethane	+++++ 3.6450	3.8860 3.3679	3.9371 2.9597	3.8358	3.4032	Ave		3.5764				9.9		30.0			
n-Pentane	+++++ 0.9957	+++++ 0.9248	1.1461 0.8256	1.0392	0.9120	Ave		0.9739				11.5		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-42818-1 Analy Batch No.: 127670

SDG No.:

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/22/2018 17:35 Calibration End Date: 03/23/2018 00:18 Calibration ID: 39154

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethanol	+++++ 0.2113	+++++ 0.1901	0.1603 0.1688	0.1753	0.1716	Ave		0.1795				10.2		30.0			
Ethyl ether	+++++ 0.4156	0.3961 0.3848	0.4449 0.3363	0.3999	0.3848	Ave		0.3946				8.4		30.0			
Acrolein	+++++ 0.1351	+++++ 0.1260	+++++ 0.1011	0.0963	0.1125	Ave		0.1142				14.3		30.0			
Freon TF	+++++ 2.0309	2.0525 1.8975	2.1806 1.7051	2.0943	1.8815	Ave		1.9775				8.1		30.0			
1,1-Dichloroethene	0.7924 0.8179	0.8866 0.7769	0.9067 0.7112	0.8234	0.7543	Ave		0.8087				8.1		30.0			
Acetone	+++++ 1.0494	+++++ 0.9328	+++++ 0.7951	1.4009	0.9755	Ave		1.0307				22.0		30.0			
Carbon disulfide	+++++ 2.1941	+++++ 2.0384	2.3227 1.8266	2.2820	2.0298	Ave		2.1156				8.8		30.0			
Isopropyl alcohol	+++++ 1.0206	+++++ 0.9250	+++++ 0.8196	1.0258	0.9551	Ave		0.9492				8.9		30.0			
3-Chloropropene	+++++ 0.7628	0.6541 0.6877	0.7552 0.5924	0.7679	0.6900	Ave		0.7014				9.3		30.0			
Acetonitrile	+++++ 0.3828	+++++ 0.3573	+++++ 0.3166	0.3895	0.3658	Ave		0.3624				7.9		30.0			
Methylene Chloride	+++++ 0.8807	+++++ 0.8116	1.0058 0.7205	0.9225	0.8178	Ave		0.8598				11.5		30.0			
tert-Butyl alcohol	+++++ 1.4767	+++++ 1.3257	+++++ 1.1930	1.4763	1.3786	Ave		1.3701				8.6		30.0			
Methyl tert-butyl ether	+++++ 2.1219	2.2507 1.9540	2.1850 1.7069	2.0721	1.9658	Ave		2.0366				8.9		30.0			
trans-1,2-Dichloroethene	+++++ 1.1470	1.1105 1.0637	1.1877 0.9410	1.2070	1.0687	Ave		1.1037				8.2		30.0			
Acrylonitrile	+++++ 0.3959	+++++ 0.3650	0.3250 0.3266	0.3542	0.3492	Ave		0.3526				7.5		30.0			
n-Hexane	+++++ 0.9130	0.8895 0.8492	0.9526 0.7608	0.9215	0.8476	Ave		0.8763				7.3		30.0			
1,1-Dichloroethane	1.8269 1.5429	1.5089 1.4356	1.5713 1.2832	1.5675	1.4398	Ave		1.5220				10.2		30.0			
Vinyl acetate	+++++ 1.5641	+++++ 1.4268	+++++ 1.2402	1.4690	1.4192	Ave		1.4239				8.3		30.0			
cis-1,2-Dichloroethene	0.8050 0.9854	1.0012 0.9237	0.9930 0.8432	0.9729	0.9085	Ave		0.9291				7.9		30.0			
Methyl Ethyl Ketone	+++++ 0.3153	+++++ 0.2855	0.3164 0.2512	0.2964	0.2817	Ave		0.2911				8.4		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-42818-1 Analy Batch No.: 127670

SDG No.:

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/22/2018 17:35 Calibration End Date: 03/23/2018 00:18 Calibration ID: 39154

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethyl acetate	+++++ 0.0439	+++++ 0.0405	+++++ 0.0342	0.0408	0.0377	Ave		0.0394				9.3		30.0			
Tetrahydrofuran	+++++ 0.1546	+++++ 0.1282	+++++ 0.1271	0.1329	0.1278	Ave		0.1341				8.7		30.0			
Chloroform	+++++ 2.4533	2.4421 2.2881	2.5045 2.0521	2.4907	2.2744	Ave		2.3579				6.9		30.0			
Cyclohexane	+++++ 0.2293	0.1961 0.1951	0.2182 0.2002	0.2051	0.1882	Ave		0.2046				7.0		30.0			
1,1,1-Trichloroethane	+++++ 0.6244	0.5619 0.5272	0.5865 0.5510	0.5553	0.5160	Ave		0.5603				6.5		30.0			
Carbon tetrachloride	0.4634 0.7173	0.5428 0.6239	0.6024 0.6629	0.6227	0.5923	Ave		0.6035				12.6		30.0			
2,2,4-Trimethylpentane	+++++ 0.8620	0.7875 0.7254	0.8267 0.7298	0.7791	0.7169	Ave		0.7753				7.1		30.0			
Benzene	+++++ 0.6131	0.6064 0.5232	0.6083 0.5381	0.5599	0.5118	Ave		0.5658				7.6		30.0			
1,2-Dichloroethane	+++++ 0.3858	0.3317 0.3268	0.3527 0.3383	0.3401	0.3199	Ave		0.3422				6.4		30.0			
n-Heptane	+++++ 0.3360	0.3045 0.2789	0.3239 0.2809	0.3070	0.2785	Ave		0.3014				7.7		30.0			
n-Butanol	+++++ 0.1002	+++++ 0.0801	+++++ 0.0874	0.0841	0.0823	Ave		0.0868				9.2		30.0			
Trichloroethene	0.4906 0.3953	0.3364 0.3353	0.3675 0.3415	0.3469	0.3267	Ave		0.3675				14.8		30.0			
1,2-Dichloropropane	+++++ 0.2651	0.2480 0.2290	0.2424 0.2229	0.2461	0.2244	Ave		0.2397				6.4		30.0			
Methyl methacrylate	+++++ 0.2134	+++++ 0.1796	0.1500 0.1810	0.1642	0.1690	Ave		0.1762				12.2		30.0			
Dibromomethane	+++++ 0.3491	0.2929 0.3117	0.3106 0.3585	0.3019	0.2878	Ave		0.3161				8.6		30.0			
1,4-Dioxane	+++++ 0.1335	+++++ 0.1072	+++++ 0.1047	0.1172	0.1124	Ave		0.1150				9.9		30.0			
Bromodichloromethane	+++++ 0.7114	0.5074 0.6021	0.5621 0.6157	0.5953	0.5733	Ave		0.5953				10.5		30.0			
cis-1,3-Dichloropropene	+++++ 0.4389	0.3420 0.3827	0.3540 0.3776	0.3807	0.3622	Ave		0.3769				8.3		30.0			
methyl isobutyl ketone	+++++ 0.4736	+++++ 0.3816	0.3133 0.3823	0.3912	0.3808	Ave		0.3871				13.2		30.0			
Toluene	+++++ 0.5051	0.4938 0.4761	0.4829 0.4675	0.4732	0.4497	Ave		0.4783				3.8		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-42818-1 Analy Batch No.: 127670

SDG No.:

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/22/2018 17:35 Calibration End Date: 03/23/2018 00:18 Calibration ID: 39154

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
n-Octane	+++++ 0.5111	0.4589 0.4252	0.4942 0.4210	0.4636	0.4257	Ave		0.4571				7.8		30.0			
trans-1,3-Dichloropropene	+++++ 0.4661	0.4131 0.3927	0.3754 0.3948	0.3851	0.3676	Ave		0.3992				8.2		30.0			
1,1,2-Trichloroethane	+++++ 0.2952	0.2951 0.2762	0.2852 0.2649	0.2900	0.2646	Ave		0.2816				4.7		30.0			
Tetrachloroethene	0.5883 0.5150	0.5063 0.5000	0.4955 0.5502	0.4755	0.4475	Ave		0.5098				8.5		30.0			
Methyl Butyl Ketone (2-Hexanone)	+++++ 0.4619	+++++ 0.4098	0.3565 0.4082	0.3998	0.3974	Ave		0.4056				8.3		30.0			
Dibromochloromethane	+++++ 0.8221	0.5459 0.7717	0.5520 0.7660	0.6837	0.6878	Ave		0.6899				15.6		30.0			
1,2-Dibromoethane	+++++ 0.6115	0.5004 0.5753	0.5035 0.5533	0.5765	0.5418	Ave		0.5518				7.3		30.0			
Chlorobenzene	+++++ 0.7445	0.7244 0.7122	0.7050 0.6891	0.7115	0.6630	Ave		0.7071				3.7		30.0			
Ethylbenzene	+++++ 1.1266	1.1033 1.0388	1.0788 1.0112	1.0267	0.9909	Ave		1.0537				4.8		30.0			
n-Nonane	+++++ 0.4736	0.4517 0.4408	0.4324 0.4189	0.4585	0.4229	Ave		0.4427				4.5		30.0			
m,p-Xylene	+++++ 0.4432	0.4244 0.4163	0.4211 0.4178	0.3980	0.3853	Ave		0.4152				4.5		30.0			
Xylene, o-	+++++ 0.4562	0.4171 0.4286	0.4202 0.4243	0.4041	0.3968	Ave		0.4211				4.5		30.0			
Styrene	+++++ 0.6674	0.4730 0.6284	0.4535 0.6353	0.5568	0.5642	Ave		0.5684				14.4		30.0			
Bromoform	+++++ 0.7661	0.4290 0.6839	0.4336 0.6637	0.5211	0.5711	Ave		0.5812				22.2		30.0			
Cumene	+++++ 1.2551	1.2165 1.1674	1.1960 1.1375	1.1494	1.0951	Ave		1.1738				4.5		30.0			
1,1,2,2-Tetrachloroethane	+++++ 0.7289	0.7558 0.6602	0.6927 0.6090	0.6818	0.6436	Ave		0.6817				7.3		30.0			
n-Propylbenzene	+++++ 1.5037	1.4565 1.3747	1.4446 1.2697	1.4240	1.3375	Ave		1.4015				5.7		30.0			
1,2,3-Trichloropropane	+++++ 0.5567	+++++ 0.5067	0.5533 0.4651	0.5190	0.4884	Ave		0.5148				7.0		30.0			
2-Chlorotoluene	+++++ 1.0663	1.1596 0.9708	1.0864 0.8805	1.0364	0.9554	Ave		1.0222				9.1		30.0			
4-Ethyltoluene	+++++ 1.2027	1.1278 1.1133	1.1226 1.0468	1.1076	1.0488	Ave		1.1099				4.8		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-42818-1 Analy Batch No.: 127670

SDG No.:

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/22/2018 17:35 Calibration End Date: 03/23/2018 00:18 Calibration ID: 39154

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
n-Decane	+++++ 0.5079	+++++ 0.4482	0.4736 0.3878	0.5239	0.4666	Ave		0.4680				10.3		30.0			
1,3,5-Trimethylbenzene	+++++ 1.0854	1.0610 1.0154	0.9806 0.9671	0.9722	0.9344	Ave		1.0023				5.4		30.0			
Alpha Methyl Styrene	+++++ 0.5403	0.3521 0.5112	0.3421 0.5040	0.4405	0.4550	Ave		0.4493				17.3		30.0			
tert-Butylbenzene	+++++ 1.0076	0.9760 0.9376	0.9426 0.9245	0.8917	0.8659	Ave		0.9351				5.1		30.0			
1,2,4-Trimethylbenzene	+++++ 1.0894	1.0464 1.0136	0.9694 0.9612	0.9736	0.9398	Ave		0.9991				5.3		30.0			
sec-Butylbenzene	+++++ 1.5186	1.5104 1.4021	1.4024 1.3167	1.3762	1.3171	Ave		1.4062				5.8		30.0			
4-Isopropyltoluene	+++++ 1.2576	1.1508 1.1702	1.0776 1.1257	1.1149	1.0752	Ave		1.1389				5.5		30.0			
1,3-Dichlorobenzene	+++++ 0.8185	0.7931 0.7850	0.7239 0.8042	0.7038	0.6706	Ave		0.7570				7.5		30.0			
1,4-Dichlorobenzene	+++++ 0.8155	0.7741 0.7676	0.6937 0.7515	0.7081	0.6697	Ave		0.7400				6.9		30.0			
Benzyl chloride	+++++ 1.0202	0.7741 0.9633	0.7853 0.8542	0.8404	0.8481	Ave		0.8694				10.4		30.0			
n-Butylbenzene	+++++ 1.1842	1.1783 1.0729	0.9868 0.9595	1.0967	1.0360	Ave		1.0735				8.1		30.0			
n-Undecane	+++++ 0.5700	+++++ 0.5144	+++++ 0.4568	0.5434	0.4989	Ave		0.5167				8.4		30.0			
1,2-Dichlorobenzene	+++++ 0.7758	0.7816 0.7264	0.6756 0.7107	0.6729	0.6472	Ave		0.7129				7.3		30.0			
n-Dodecane	+++++ 0.3922	+++++ 0.3652	+++++ 0.2215	0.4087	0.3534	Ave		0.3482				21.3		30.0			
1,2,4-Trichlorobenzene	+++++ 0.5051	+++++ 0.4852	0.3824 0.3791	0.3902	0.3900	Ave		0.4220				13.5		30.0			
Hexachlorobutadiene	+++++ 0.4961	0.5304 0.4716	0.4167 0.4046	0.4078	0.3989	Ave		0.4466				11.8		30.0			
Naphthalene	+++++ 1.0272	+++++ 0.9976	1.0255 0.7228	0.7501	0.7625	Ave		0.8810				17.0		30.0			
1,2,3-Trichlorobenzene	+++++ 0.4265	+++++ 0.4115	0.3295 0.2720	0.3356	0.3412	Ave		0.3527				16.2		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-42818-1 Analy Batch No.: 127670

SDG No.:

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/22/2018 17:35 Calibration End Date: 03/23/2018 00:18 Calibration ID: 39154

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-127670/4	29716-04.D
Level 2	IC 200-127670/5	29716-05.D
Level 3	IC 200-127670/6	29716-06.D
Level 4	IC 200-127670/8	29716-08.D
Level 5	ICIS 200-127670/9	29716-09.D
Level 6	IC 200-127670/10	29716-10.D
Level 7	IC 200-127670/11	29716-11.D
Level 8	IC 200-127670/12	29716-12.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Propylene	BCM	Ave	+++++ 498592	+++++ 637423	+++++ 1220227	162868	316208	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Dichlorodifluoromethane	BCM	Ave	+++++ 3116686	+++++ 3966180	112524 7265437	1003945	1998288	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Freon 22	BCM	Ave	+++++ 1295180	+++++ 1637922	47123 3145156	429606	822726	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorotetrafluoroethane	BCM	Ave	+++++ 2360357	33722 3004134	86913 5540575	770008	1524259	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloromethane	BCM	Ave	+++++ 637190	+++++ 812264	23018 1560579	223515	401737	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Butane	BCM	Ave	+++++ 913269	+++++ 1170956	33346 2207253	296523	588679	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Vinyl chloride	BCM	Ave	2031 737069	10310 942679	26975 1802150	230917	470170	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Butadiene	BCM	Ave	1284 495949	6693 639728	16629 1219397	156412	313601	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromomethane	BCM	Ave	+++++ 920421	12861 1215563	32435 2333514	284307	576640	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloroethane	BCM	Ave	+++++ 297193	+++++ 392930	10339 755090	92092	183732	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopentane	BCM	Ave	+++++ 587439	9302 758571	21963 1440589	185200	364405	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoethene(Vinyl Bromide)	BCM	Ave	+++++ 936561	12206 1252190	31617 2410363	284183	571643	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Trichlorofluoromethane	BCM	Ave	+++++ 3114317	43632 4072991	108967 7720810	979541	1950808	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Pentane	BCM	Ave	+++++ 850726	+++++ 1118351	31722 2153741	265387	522793	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethanol	BCM	Ave	+++++ 241256	+++++ 459787	44414 1101017	89569	147574	+++++ 20.0	+++++ 40.0	5.01 100.0	9.99	15.0

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-42818-1 Analy Batch No.: 127670

SDG No.:

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/22/2018 17:35 Calibration End Date: 03/23/2018 00:18 Calibration ID: 39154

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Ethyl ether	BCM	Ave	+++++ 355082	4447 465340	12314 877417	102130	220607	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrolein	BCM	Ave	+++++ 115409	+++++ 152371	+++++ 263840	24581	64477	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Freon TF	BCM	Ave	+++++ 1735249	23045 2294762	60353 4448052	534829	1078562	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethene	BCM	Ave	1571 698791	9955 939504	25095 1855179	210267	432364	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetone	BCM	Ave	+++++ 896623	+++++ 1128016	+++++ 2074136	357755	559178	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Carbon disulfide	BCM	Ave	+++++ 1874667	+++++ 2465150	64286 4765043	582756	1163565	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopropyl alcohol	BCM	Ave	+++++ 872034	+++++ 1118624	+++++ 2138192	261959	547466	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
3-Chloropropene	BCM	Ave	+++++ 651722	7344 831689	20901 1545377	196096	395552	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetonitrile	BCM	Ave	+++++ 327103	+++++ 432075	+++++ 825973	99455	209665	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methylene Chloride	BCM	Ave	+++++ 752483	+++++ 981550	27837 1879509	235568	468781	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
tert-Butyl alcohol	BCM	Ave	+++++ 1261726	+++++ 1603262	+++++ 3112259	376991	790279	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methyl tert-butyl ether	BCM	Ave	+++++ 1812936	25271 2363098	60474 4452618	529142	1126834	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,2-Dichloroethene	BCM	Ave	+++++ 980024	12469 1286430	32871 2454676	308234	612640	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrylonitrile	BCM	Ave	+++++ 338268	+++++ 441416	8994 851904	90443	200181	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Hexane	BCM	Ave	+++++ 780043	9987 1026978	26364 1984583	235318	485862	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethane	BCM	Ave	3622 1318267	16942 1736078	43490 3347519	400290	825312	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Vinyl acetate	BCM	Ave	+++++ 1336347	+++++ 1725483	+++++ 3235381	375149	813523	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
cis-1,2-Dichloroethene	BCM	Ave	1596 841953	11241 1117080	27483 2199544	248450	520769	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Ethyl Ketone	BCM	Ave	+++++ 269356	+++++ 345267	8758 655226	75696	161497	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethyl acetate	BCM	Ave	+++++ 37474	+++++ 48995	+++++ 89223	10426	21588	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Tetrahydrofuran	DFBZ	Ave	+++++ 606051	+++++ 785482	+++++ 1462371	174542	374149	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-42818-1 Analy Batch No.: 127670

SDG No.:

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/22/2018 17:35 Calibration End Date: 03/23/2018 00:18 Calibration ID: 39154

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Chloroform	BCM	Ave	+++++ 2096084	27420 2767115	69316 5353343	636043	1303775	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cyclohexane	DFBZ	Ave	+++++ 898635	11065 1195909	29427 2303336	269469	551150	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,1-Trichloroethane	DFBZ	Ave	+++++ 2447211	31706 3230678	79090 6338469	729468	1511229	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Carbon tetrachloride	DFBZ	Ave	4360 2811334	30632 3823585	81223 7625815	818032	1734568	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2,2,4-Trimethylpentane	DFBZ	Ave	+++++ 3378558	44438 4445431	111475 8395144	1023500	2099491	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzene	DFBZ	Ave	+++++ 2402804	34218 3206326	82026 6189537	735592	1498976	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloroethane	DFBZ	Ave	+++++ 1512143	18716 2002665	47559 3891848	446792	936961	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Heptane	DFBZ	Ave	+++++ 1317003	17184 1709196	43681 3231167	403263	815645	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butanol	DFBZ	Ave	+++++ 392882	+++++ 491131	+++++ 1005312	110455	241122	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Trichloroethene	DFBZ	Ave	4616 1549224	18984 2054790	49555 3928771	455667	956819	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloropropane	DFBZ	Ave	+++++ 1039061	13993 1403624	32686 2563809	323330	657219	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl methacrylate	DFBZ	Ave	+++++ 836229	+++++ 1100681	20227 2082277	215668	494910	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dibromomethane	DFBZ	Ave	+++++ 1368435	16530 1910277	41886 4124407	396648	842777	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,4-Dioxane	DFBZ	Ave	+++++ 523135	+++++ 657000	+++++ 1204309	153920	329067	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Bromodichloromethane	DFBZ	Ave	+++++ 2788324	28630 3690098	75789 7082519	782080	1678930	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
cis-1,3-Dichloropropene	DFBZ	Ave	+++++ 1720340	19296 2345356	47729 4343053	500090	1060788	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
methyl isobutyl ketone	DFBZ	Ave	+++++ 1856255	+++++ 2338559	42250 4397305	513870	1115244	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Toluene	CBNZ d5	Ave	+++++ 1949856	24327 2599531	60440 4897299	567125	1198404	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Octane	DFBZ	Ave	+++++ 2003145	25894 2606078	66644 4843283	609071	1246868	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,3-Dichloropropene	DFBZ	Ave	+++++ 1826800	23311 2406869	50616 4540993	505843	1076542	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2-Trichloroethane	CBNZ d5	Ave	+++++ 1139699	14537 1508196	35699 2774761	347563	705317	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-42818-1 Analy Batch No.: 127670

SDG No.:

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/22/2018 17:35 Calibration End Date: 03/23/2018 00:18 Calibration ID: 39154

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Tetrachloroethene	CBNZ d5	Ave	5034 1988368	24945 2729759	62025 5763593	569779	1192576	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Butyl Ketone (2-Hexanone)	CBNZ d5	Ave	+++++ 1783155	+++++ 2237549	44625 4276592	479140	1059232	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dibromochloromethane	CBNZ d5	Ave	+++++ 3173719	26893 4212953	69093 8024394	819289	1833027	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dibromoethane	CBNZ d5	Ave	+++++ 2360745	24652 3140881	63029 5796364	690827	1444056	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chlorobenzene	CBNZ d5	Ave	+++++ 2874367	35688 3888356	88243 7219247	852712	1766928	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Ethylbenzene	CBNZ d5	Ave	+++++ 4349368	54351 5671138	135038 10592629	1230433	2640962	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Nonane	CBNZ d5	Ave	+++++ 1828562	22253 2406334	54129 4388093	549525	1127053	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
m,p-Xylene	CBNZ d5	Ave	+++++ 3421770	41815 4546055	105427 8753790	953974	2053495	+++++ 30.0	0.401 40.0	1.00 80.0	9.99	20.0
Xylene, o-	CBNZ d5	Ave	+++++ 1761193	20549 2339890	52602 4445134	484298	1057524	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Styrene	CBNZ d5	Ave	+++++ 2576523	23302 3430730	56762 6655692	667257	1503706	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoform	CBNZ d5	Ave	+++++ 2957623	21133 3733602	54271 6952544	624501	1522115	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cumene	CBNZ d5	Ave	+++++ 4845498	59929 6373320	149705 11916170	1377398	2918566	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2,2-Tetrachloroethane	CBNZ d5	Ave	+++++ 2814068	37233 3604121	86712 6379725	817092	1715172	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Propylbenzene	CBNZ d5	Ave	+++++ 5805374	71754 7505420	180818 13300621	1706530	3564483	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichloropropane	CBNZ d5	Ave	+++++ 2149150	+++++ 2766293	69256 4872199	621914	1301507	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
2-Chlorotoluene	CBNZ d5	Ave	+++++ 4116691	57129 5300092	135984 9223823	1242044	2546147	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
4-Ethyltoluene	CBNZ d5	Ave	+++++ 4643332	55562 6078275	140518 10966018	1327300	2795046	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Decane	CBNZ d5	Ave	+++++ 1960722	+++++ 2447050	59275 4062149	627849	1243576	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,3,5-Trimethylbenzene	CBNZ d5	Ave	+++++ 4190524	52268 5543560	122738 10131140	1165102	2490236	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Alpha Methyl Styrene	CBNZ d5	Ave	+++++ 2085770	17348 2791008	42817 5280188	527903	1212517	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
tert-Butylbenzene	CBNZ d5	Ave	+++++ 3890125	48080 5118873	117981 9685088	1068590	2307760	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-42818-1 Analy Batch No.: 127670

SDG No.:

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/22/2018 17:35 Calibration End Date: 03/23/2018 00:18 Calibration ID: 39154

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,2,4-Trimethylbenzene	CBNZ d5	Ave	+++++ 4205901	51548 5533982	121346 10069790	1166713	2504674	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
sec-Butylbenzene	CBNZ d5	Ave	+++++ 5862644	74410 7654667	175540 13793097	1649274	3510303	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
4-Isopropyltoluene	CBNZ d5	Ave	+++++ 4855350	56693 6389000	134886 11792071	1336130	2865622	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Dichlorobenzene	CBNZ d5	Ave	+++++ 3159886	39072 4285844	90606 8424652	843445	1787311	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,4-Dichlorobenzene	CBNZ d5	Ave	+++++ 3148227	38137 4190771	86834 7872915	848610	1784732	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzyl chloride	CBNZ d5	Ave	+++++ 3938798	38136 5258984	98297 8948347	1007125	2260155	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butylbenzene	CBNZ d5	Ave	+++++ 4571723	58048 5857798	123517 10051705	1314258	2761030	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Undecane	CBNZ d5	Ave	+++++ 2200551	+++++ 2808392	+++++ 4785738	651193	1329741	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
1,2-Dichlorobenzene	CBNZ d5	Ave	+++++ 2995007	38503 3966085	84560 7445463	806349	1724991	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Dodecane	CBNZ d5	Ave	+++++ 1514006	+++++ 1993828	+++++ 2320724	489792	941738	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
1,2,4-Trichlorobenzene	CBNZ d5	Ave	+++++ 1949874	+++++ 2648786	47871 3971032	467575	1039326	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Hexachlorobutadiene	CBNZ d5	Ave	+++++ 1915298	26129 2574710	52161 4237985	488729	1063113	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Naphthalene	CBNZ d5	Ave	+++++ 3965654	+++++ 5446584	128361 7572138	898971	2032269	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichlorobenzene	CBNZ d5	Ave	+++++ 1646491	+++++ 2246871	41238 2849560	402151	909362	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00

Curve Type Legend:
Ave = Average ISTD

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-42818-1

SDG No.:

Lab Sample ID: ICV 200-127670/16 Calibration Date: 03/23/2018 03:40

Instrument ID: CHG.i Calib Start Date: 03/22/2018 17:35

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 03/23/2018 00:18

Lab File ID: 29716-16.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.5536	0.5469		9.88	10.0	-1.2	30.0
Dichlorodifluoromethane	Ave	3.533	3.555		10.1	10.0	0.6	30.0
Freon 22	Ave	1.483	1.426		9.61	10.0	-3.8	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.741	3.046		11.1	10.0	11.1	30.0
Chloromethane	Ave	0.7372	0.7026		9.53	10.0	-4.7	30.0
n-Butane	Ave	1.046	1.047		10.0	10.0	0.1	30.0
Vinyl chloride	Ave	0.8718	0.8291		9.51	10.0	-4.9	30.0
1,3-Butadiene	Ave	0.5726	0.5485		9.58	10.0	-4.2	30.0
Bromomethane	Ave	1.059	1.067		10.1	10.0	0.8	30.0
Chloroethane	Ave	0.3362	0.3388		10.1	10.0	0.8	30.0
Isopentane	Ave	0.6929	0.7314		10.6	10.0	5.6	30.0
Bromoethene(Vinyl Bromide)	Ave	1.056	1.075		10.2	10.0	1.7	30.0
Trichlorofluoromethane	Ave	3.576	3.519		9.84	10.0	-1.6	30.0
n-Pentane	Ave	0.9739	1.074		11.0	10.0	10.3	30.0
Ethanol	Ave	0.1795	0.2081		17.4	15.0	15.9	30.0
Ethyl ether	Ave	0.3946	0.4214		10.7	10.0	6.8	30.0
Acrolein	Ave	0.1142	0.1599		14.0	10.0	40.0*	30.0
Freon TF	Ave	1.978	2.017		10.2	10.0	2.0	30.0
1,1-Dichloroethene	Ave	0.8087	0.8062		9.97	10.0	-0.3	30.0
Acetone	Ave	1.031	0.9151		8.88	10.0	-11.2	30.0
Carbon disulfide	Ave	2.116	2.432		11.5	10.0	15.0	30.0
Isopropyl alcohol	Ave	0.9492	0.7884		8.30	10.0	-16.9	30.0
3-Chloropropene	Ave	0.7014	0.7526		10.7	10.0	7.3	30.0
Acetonitrile	Ave	0.3624	0.3610		9.96	10.0	-0.4	30.0
Methylene Chloride	Ave	0.8598	0.8560		9.95	10.0	-0.4	30.0
tert-Butyl alcohol	Ave	1.370	1.173		8.56	10.0	-14.4	30.0
Methyl tert-butyl ether	Ave	2.037	1.905		9.35	10.0	-6.5	30.0
trans-1,2-Dichloroethene	Ave	1.104	1.191		10.8	10.0	7.9	30.0
Acrylonitrile	Ave	0.3526	0.3519		9.98	10.0	-0.2	30.0
n-Hexane	Ave	0.8763	0.9556		10.9	10.0	9.1	30.0
1,1-Dichloroethane	Ave	1.522	1.518		9.97	10.0	-0.2	30.0
Vinyl acetate	Ave	1.424	1.458		10.2	10.0	2.4	30.0
cis-1,2-Dichloroethene	Ave	0.9291	0.9535		10.3	10.0	2.6	30.0
Methyl Ethyl Ketone	Ave	0.2911	0.2763		9.49	10.0	-5.1	30.0
Ethyl acetate	Ave	0.0394	0.0405		10.3	10.0	2.8	30.0
Tetrahydrofuran	Ave	0.1341	0.1243		9.27	10.0	-7.3	30.0
Chloroform	Ave	2.358	2.410		10.2	10.0	2.2	30.0
Cyclohexane	Ave	0.2046	0.2048		10.0	10.0	0.0	30.0
1,1,1-Trichloroethane	Ave	0.5603	0.5447		9.72	10.0	-2.8	30.0
Carbon tetrachloride	Ave	0.6035	0.6277		10.4	10.0	4.0	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-42818-1

SDG No.:

Lab Sample ID: ICV 200-127670/16 Calibration Date: 03/23/2018 03:40

Instrument ID: CHG.i Calib Start Date: 03/22/2018 17:35

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 03/23/2018 00:18

Lab File ID: 29716-16.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2,4-Trimethylpentane	Ave	0.7753	0.7485		9.65	10.0	-3.5	30.0
Benzene	Ave	0.5658	0.5434		9.60	10.0	-4.0	30.0
1,2-Dichloroethane	Ave	0.3422	0.3343		9.77	10.0	-2.3	30.0
n-Heptane	Ave	0.3014	0.2889		9.58	10.0	-4.1	30.0
n-Butanol	Ave	0.0868	0.0777		8.95	10.0	-10.5	30.0
Trichloroethene	Ave	0.3675	0.3480		9.47	10.0	-5.3	30.0
1,2-Dichloropropane	Ave	0.2397	0.2401		10.0	10.0	0.2	30.0
Methyl methacrylate	Ave	0.1762	0.1666		9.45	10.0	-5.4	30.0
Dibromomethane	Ave	0.3161	0.2991		9.46	10.0	-5.4	30.0
1,4-Dioxane	Ave	0.1150	0.0957		8.32	10.0	-16.8	30.0
Bromodichloromethane	Ave	0.5953	0.6020		10.1	10.0	1.1	30.0
cis-1,3-Dichloropropene	Ave	0.3769	0.3883		10.3	10.0	3.0	30.0
methyl isobutyl ketone	Ave	0.3871	0.3351		8.65	10.0	-13.4	30.0
Toluene	Ave	0.4783	0.4822		10.1	10.0	0.8	30.0
n-Octane	Ave	0.4571	0.4440		9.71	10.0	-2.9	30.0
trans-1,3-Dichloropropene	Ave	0.3992	0.3982		9.97	10.0	-0.3	30.0
1,1,2-Trichloroethane	Ave	0.2816	0.2853		10.1	10.0	1.3	30.0
Tetrachloroethene	Ave	0.5098	0.4810		9.43	10.0	-5.6	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.4056	0.3457		8.52	10.0	-14.8	30.0
Dibromochloromethane	Ave	0.6899	0.7301		10.6	10.0	5.8	30.0
1,2-Dibromoethane	Ave	0.5518	0.5804		10.5	10.0	5.2	30.0
Chlorobenzene	Ave	0.7071	0.7156		10.1	10.0	1.2	30.0
Ethylbenzene	Ave	1.054	0.9688		9.19	10.0	-8.1	30.0
n-Nonane	Ave	0.4427	0.4484		10.1	10.0	1.3	30.0
m,p-Xylene	Ave	0.4152	0.3749		18.1	20.0	-9.7	30.0
Xylene, o-	Ave	0.4211	0.3772		8.96	10.0	-10.4	30.0
Styrene	Ave	0.5684	0.5413		9.52	10.0	-4.8	30.0
Bromoform	Ave	0.5812	0.6835		11.8	10.0	17.6	30.0
Cumene	Ave	1.174	1.045		8.90	10.0	-11.0	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6817	0.6230		9.14	10.0	-8.6	30.0
n-Propylbenzene	Ave	1.402	1.259		8.98	10.0	-10.2	30.0
1,2,3-Trichloropropane	Ave	0.5148	0.4574		8.88	10.0	-11.2	30.0
2-Chlorotoluene	Ave	1.022	0.9162		8.96	10.0	-10.4	30.0
4-Ethyltoluene	Ave	1.110	1.019		9.18	10.0	-8.2	30.0
n-Decane	Ave	0.4680	0.4499		9.61	10.0	-3.9	30.0
1,3,5-Trimethylbenzene	Ave	1.002	0.8912		8.89	10.0	-11.1	30.0
Alpha Methyl Styrene	Ave	0.4493	0.4313		9.60	10.0	-4.0	30.0
tert-Butylbenzene	Ave	0.9351	0.8194		8.76	10.0	-12.4	30.0
1,2,4-Trimethylbenzene	Ave	0.999	0.8809		8.82	10.0	-11.8	30.0
sec-Butylbenzene	Ave	1.406	1.231		8.75	10.0	-12.5	30.0

FORM VII
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Lab Name: TestAmerica Burlington Job No.: 200-42818-1

SDG No.:

Lab Sample ID: ICV 200-127670/16 Calibration Date: 03/23/2018 03:40

Instrument ID: CHG.i Calib Start Date: 03/22/2018 17:35

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 03/23/2018 00:18

Lab File ID: 29716-16.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	1.139	1.009		8.86	10.0	-11.4	30.0
1,3-Dichlorobenzene	Ave	0.7570	0.6594		8.71	10.0	-12.9	30.0
1,4-Dichlorobenzene	Ave	0.7400	0.6550		8.85	10.0	-11.5	30.0
Benzyl chloride	Ave	0.8694	0.7865		9.04	10.0	-9.5	30.0
n-Butylbenzene	Ave	1.073	0.9496		8.84	10.0	-11.5	30.0
n-Undecane	Ave	0.5167	0.4805		9.30	10.0	-7.0	30.0
1,2-Dichlorobenzene	Ave	0.7129	0.6229		8.74	10.0	-12.6	30.0
n-Dodecane	Ave	0.3482	0.3264		9.37	10.0	-6.3	30.0
1,2,4-Trichlorobenzene	Ave	0.4220	0.3541		8.39	10.0	-16.1	30.0
Hexachlorobutadiene	Ave	0.4466	0.3669		8.21	10.0	-17.8	30.0
Naphthalene	Ave	0.8810	0.6686		7.59	10.0	-24.1	30.0
1,2,3-Trichlorobenzene	Ave	0.3527	0.2943		8.34	10.0	-16.6	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-42818-1

SDG No.:

Lab Sample ID: CCVIS 200-127866/2 Calibration Date: 03/28/2018 13:32

Instrument ID: CHG.i Calib Start Date: 03/22/2018 17:35

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 03/23/2018 00:18

Lab File ID: 29802-02.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.5536	0.6428		11.6	10.0	16.1	30.0
Dichlorodifluoromethane	Ave	3.533	3.896		11.0	10.0	10.3	30.0
Freon 22	Ave	1.483	1.713		11.6	10.0	15.6	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.741	2.962		10.8	10.0	8.1	30.0
Chloromethane	Ave	0.7372	0.7947		10.8	10.0	7.8	30.0
n-Butane	Ave	1.046	1.176		11.2	10.0	12.4	30.0
Vinyl chloride	Ave	0.8718	0.9090		10.4	10.0	4.3	30.0
1,3-Butadiene	Ave	0.5726	0.6168		10.8	10.0	7.7	30.0
Bromomethane	Ave	1.059	1.118		10.6	10.0	5.5	30.0
Chloroethane	Ave	0.3362	0.3594		10.7	10.0	6.9	30.0
Isopentane	Ave	0.6929	0.7287		10.5	10.0	5.2	30.0
Bromoethene(Vinyl Bromide)	Ave	1.056	1.099		10.4	10.0	4.1	30.0
Trichlorofluoromethane	Ave	3.576	3.670		10.3	10.0	2.6	30.0
n-Pentane	Ave	0.9739	1.046		10.7	10.0	7.4	30.0
Ethanol	Ave	0.1795	0.1893		15.8	15.0	5.4	30.0
Ethyl ether	Ave	0.3946	0.4113		10.4	10.0	4.2	30.0
Acrolein	Ave	0.1142	0.1175		10.3	10.0	2.9	30.0
Freon TF	Ave	1.978	2.001		10.1	10.0	1.2	30.0
1,1-Dichloroethene	Ave	0.8087	0.8021		9.92	10.0	-0.8	30.0
Acetone	Ave	1.031	1.102		10.7	10.0	6.9	30.0
Carbon disulfide	Ave	2.116	2.201		10.4	10.0	4.0	30.0
Isopropyl alcohol	Ave	0.9492	1.028		10.8	10.0	8.3	30.0
3-Chloropropene	Ave	0.7014	0.7692		11.0	10.0	9.7	30.0
Acetonitrile	Ave	0.3624	0.3988		11.0	10.0	10.1	30.0
Methylene Chloride	Ave	0.8598	0.8964		10.4	10.0	4.3	30.0
tert-Butyl alcohol	Ave	1.370	1.420		10.4	10.0	3.6	30.0
Methyl tert-butyl ether	Ave	2.037	2.063		10.1	10.0	1.3	30.0
trans-1,2-Dichloroethene	Ave	1.104	1.152		10.4	10.0	4.4	30.0
Acrylonitrile	Ave	0.3526	0.3770		10.7	10.0	6.9	30.0
n-Hexane	Ave	0.8763	0.9053		10.3	10.0	3.3	30.0
1,1-Dichloroethane	Ave	1.522	1.526		10.0	10.0	0.3	30.0
Vinyl acetate	Ave	1.424	1.574		11.1	10.0	10.6	30.0
cis-1,2-Dichloroethene	Ave	0.9291	0.9352		10.1	10.0	0.7	30.0
Methyl Ethyl Ketone	Ave	0.2911	0.2981		10.2	10.0	2.4	30.0
Ethyl acetate	Ave	0.0394	0.0393		9.97	10.0	-0.3	30.0
Tetrahydrofuran	Ave	0.1341	0.1479		11.0	10.0	10.3	30.0
Chloroform	Ave	2.358	2.355		9.98	10.0	-0.1	30.0
Cyclohexane	Ave	0.2046	0.2013		9.84	10.0	-1.6	30.0
1,1,1-Trichloroethane	Ave	0.5603	0.5585		9.97	10.0	-0.3	30.0
Carbon tetrachloride	Ave	0.6035	0.6364		10.5	10.0	5.5	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-42818-1

SDG No.:

Lab Sample ID: CCVIS 200-127866/2 Calibration Date: 03/28/2018 13:32

Instrument ID: CHG.i Calib Start Date: 03/22/2018 17:35

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 03/23/2018 00:18

Lab File ID: 29802-02.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2,4-Trimethylpentane	Ave	0.7753	0.7797		10.1	10.0	0.6	30.0
Benzene	Ave	0.5658	0.5423		9.58	10.0	-4.2	30.0
1,2-Dichloroethane	Ave	0.3422	0.3510		10.3	10.0	2.6	30.0
n-Heptane	Ave	0.3014	0.3121		10.4	10.0	3.6	30.0
n-Butanol	Ave	0.0868	0.0809		9.32	10.0	-6.8	30.0
Trichloroethene	Ave	0.3675	0.3393		9.23	10.0	-7.7	30.0
1,2-Dichloropropane	Ave	0.2397	0.2396		9.99	10.0	-0.0	30.0
Methyl methacrylate	Ave	0.1762	0.1755		9.96	10.0	-0.4	30.0
Dibromomethane	Ave	0.3161	0.2880		9.11	10.0	-8.9	30.0
1,4-Dioxane	Ave	0.1150	0.1096		9.53	10.0	-4.7	30.0
Bromodichloromethane	Ave	0.5953	0.6095		10.2	10.0	2.4	30.0
cis-1,3-Dichloropropene	Ave	0.3769	0.3809		10.1	10.0	1.1	30.0
methyl isobutyl ketone	Ave	0.3871	0.4098		10.6	10.0	5.8	30.0
Toluene	Ave	0.4783	0.4663		9.75	10.0	-2.5	30.0
n-Octane	Ave	0.4571	0.4690		10.3	10.0	2.6	30.0
trans-1,3-Dichloropropene	Ave	0.3992	0.3890		9.74	10.0	-2.6	30.0
1,1,2-Trichloroethane	Ave	0.2816	0.2790		9.91	10.0	-0.9	30.0
Tetrachloroethene	Ave	0.5098	0.4421		8.67	10.0	-13.3	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.4056	0.4225		10.4	10.0	4.2	30.0
Dibromochloromethane	Ave	0.6899	0.6940		10.1	10.0	0.6	30.0
1,2-Dibromoethane	Ave	0.5518	0.5561		10.1	10.0	0.8	30.0
Chlorobenzene	Ave	0.7071	0.6639		9.39	10.0	-6.1	30.0
Ethylbenzene	Ave	1.054	1.013		9.62	10.0	-3.8	30.0
n-Nonane	Ave	0.4427	0.4475		10.1	10.0	1.1	30.0
m,p-Xylene	Ave	0.4152	0.3853		18.6	20.0	-7.2	30.0
Xylene, o-	Ave	0.4211	0.3962		9.41	10.0	-5.9	30.0
Styrene	Ave	0.5684	0.5665		9.97	10.0	-0.3	30.0
Bromoform	Ave	0.5812	0.5528		9.51	10.0	-4.9	30.0
Cumene	Ave	1.174	1.105		9.42	10.0	-5.8	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6817	0.6631		9.73	10.0	-2.7	30.0
n-Propylbenzene	Ave	1.402	1.360		9.70	10.0	-2.9	30.0
1,2,3-Trichloropropane	Ave	0.5148	0.5098		9.90	10.0	-1.0	30.0
2-Chlorotoluene	Ave	1.022	0.9888		9.67	10.0	-3.3	30.0
4-Ethyltoluene	Ave	1.110	1.065		9.59	10.0	-4.1	30.0
n-Decane	Ave	0.4680	0.4930		10.5	10.0	5.3	30.0
1,3,5-Trimethylbenzene	Ave	1.002	0.9388		9.36	10.0	-6.3	30.0
Alpha Methyl Styrene	Ave	0.4493	0.4403		9.80	10.0	-2.0	30.0
tert-Butylbenzene	Ave	0.9351	0.8549		9.14	10.0	-8.6	30.0
1,2,4-Trimethylbenzene	Ave	0.999	0.9378		9.39	10.0	-6.1	30.0
sec-Butylbenzene	Ave	1.406	1.325		9.42	10.0	-5.8	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-42818-1

SDG No.:

Lab Sample ID: CCVIS 200-127866/2 Calibration Date: 03/28/2018 13:32

Instrument ID: CHG.i Calib Start Date: 03/22/2018 17:35

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 03/23/2018 00:18

Lab File ID: 29802-02.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	1.139	1.066		9.36	10.0	-6.4	30.0
1,3-Dichlorobenzene	Ave	0.7570	0.6594		8.71	10.0	-12.9	30.0
1,4-Dichlorobenzene	Ave	0.7400	0.6509		8.79	10.0	-12.1	30.0
Benzyl chloride	Ave	0.8694	0.8393		9.65	10.0	-3.5	30.0
n-Butylbenzene	Ave	1.073	1.047		9.75	10.0	-2.5	30.0
n-Undecane	Ave	0.5167	0.5294		10.2	10.0	2.5	30.0
1,2-Dichlorobenzene	Ave	0.7129	0.6246		8.76	10.0	-12.4	30.0
n-Dodecane	Ave	0.3482	0.3632		10.4	10.0	4.3	30.0
1,2,4-Trichlorobenzene	Ave	0.4220	0.3567		8.45	10.0	-15.5	30.0
Hexachlorobutadiene	Ave	0.4466	0.3711		8.31	10.0	-16.9	30.0
Naphthalene	Ave	0.8810	0.6911		7.84	10.0	-21.5	30.0
1,2,3-Trichlorobenzene	Ave	0.3527	0.3043		8.62	10.0	-13.7	30.0

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-42818-1

SDG No.:

Instrument ID: CHG.i Start Date: 03/22/2018 14:58

Analysis Batch Number: 127670 End Date: 03/23/2018 14:02

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-127670/1		03/22/2018 14:58	1	29716-01.D	RTX-624 0.32(mm)
VIBLK 200-127670/2		03/22/2018 15:55	1		RTX-624 0.32(mm)
VIBLK 200-127670/3		03/22/2018 16:45	1		RTX-624 0.32(mm)
IC 200-127670/4		03/22/2018 17:35	1	29716-04.D	RTX-624 0.32(mm)
IC 200-127670/5		03/22/2018 18:26	1	29716-05.D	RTX-624 0.32(mm)
IC 200-127670/6		03/22/2018 19:16	1	29716-06.D	RTX-624 0.32(mm)
ZZZZZ		03/22/2018 20:07	1		RTX-624 0.32(mm)
IC 200-127670/8		03/22/2018 20:57	1	29716-08.D	RTX-624 0.32(mm)
ICIS 200-127670/9		03/22/2018 21:47	1	29716-09.D	RTX-624 0.32(mm)
IC 200-127670/10		03/22/2018 22:38	1	29716-10.D	RTX-624 0.32(mm)
IC 200-127670/11		03/22/2018 23:28	1	29716-11.D	RTX-624 0.32(mm)
IC 200-127670/12		03/23/2018 00:18	1	29716-12.D	RTX-624 0.32(mm)
VIBLK 200-127670/13		03/23/2018 01:09	1		RTX-624 0.32(mm)
VIBLK 200-127670/14		03/23/2018 01:59	1		RTX-624 0.32(mm)
VIBLK 200-127670/15		03/23/2018 02:50	1		RTX-624 0.32(mm)
ICV 200-127670/16		03/23/2018 03:40	1	29716-16.D	RTX-624 0.32(mm)
ZZZZZ		03/23/2018 04:31	1		RTX-624 0.32(mm)
ZZZZZ		03/23/2018 05:21	1		RTX-624 0.32(mm)
VIBLK 200-127670/19		03/23/2018 06:12	1		RTX-624 0.32(mm)
ZZZZZ		03/23/2018 08:07	1		RTX-624 0.32(mm)
ZZZZZ		03/23/2018 08:58	1		RTX-624 0.32(mm)
ZZZZZ		03/23/2018 09:48	1		RTX-624 0.32(mm)
ZZZZZ		03/23/2018 10:39	1		RTX-624 0.32(mm)
ZZZZZ		03/23/2018 11:30	1		RTX-624 0.32(mm)
ZZZZZ		03/23/2018 12:20	1		RTX-624 0.32(mm)
ZZZZZ		03/23/2018 13:11	1		RTX-624 0.32(mm)
ZZZZZ		03/23/2018 14:02	1		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-42818-1

SDG No.:

Instrument ID: CHG.i Start Date: 03/28/2018 12:33

Analysis Batch Number: 127866 End Date: 03/29/2018 05:40

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-127866/1		03/28/2018 12:33	1	29802-01.D	RTX-624 0.32(mm)
CCVIS 200-127866/2		03/28/2018 13:32	1	29802-02.D	RTX-624 0.32(mm)
LCS 200-127866/3		03/28/2018 14:22	1	29802-03.D	RTX-624 0.32(mm)
MB 200-127866/4		03/28/2018 15:12	1	29802-04.D	RTX-624 0.32(mm)
ZZZZZ		03/28/2018 16:03	1		RTX-624 0.32(mm)
ZZZZZ		03/28/2018 16:54	1		RTX-624 0.32(mm)
ZZZZZ		03/28/2018 17:45	0.2		RTX-624 0.32(mm)
ZZZZZ		03/28/2018 18:36	0.2		RTX-624 0.32(mm)
ZZZZZ		03/28/2018 19:27	0.2		RTX-624 0.32(mm)
ZZZZZ		03/28/2018 20:18	0.2		RTX-624 0.32(mm)
ZZZZZ		03/28/2018 21:08	0.2		RTX-624 0.32(mm)
ZZZZZ		03/28/2018 21:59	0.2		RTX-624 0.32(mm)
ZZZZZ		03/28/2018 22:50	0.2		RTX-624 0.32(mm)
ZZZZZ		03/28/2018 23:41	0.2		RTX-624 0.32(mm)
ZZZZZ		03/29/2018 00:33	0.2		RTX-624 0.32(mm)
ZZZZZ		03/29/2018 01:25	0.2		RTX-624 0.32(mm)
ZZZZZ		03/29/2018 02:15	0.2		RTX-624 0.32(mm)
ZZZZZ		03/29/2018 03:07	0.2		RTX-624 0.32(mm)
200-42818-10		03/29/2018 03:58	0.2	29802-19.D	RTX-624 0.32(mm)
ZZZZZ		03/29/2018 04:50	0.2		RTX-624 0.32(mm)
ZZZZZ		03/29/2018 05:40	1		RTX-624 0.32(mm)

Shipping and Receiving Documents

NYS
460501

Canister Samples Chain of Custody Record

TestAmerica Laboratories, Inc. assumes no liability with respect to the collection and shipment of these samples.

TestAmerica Burlington
30 Community Drive
Suite 11
South Burlington, VT 05403-6809
phone 802.660.1990 fax 802.660.1919

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Client Contact Information	**Client Project Manager:** Heather Moran-Botte	**Samples Collected By:** Janelle Cooley.
Company Name: PW Grosser Consulting	**Phone:** 631-589-6353	
Address: 630 Johnson Avenue, Suite 7.	**Email:** hmoran-botte@pwgrosser.com	
City/State/Zip Bohemia, NY 11716		
Phone: 631-589-6353	**Site Contact:** Janelle Cooley	
FAX: N/A	**Tel/Fax** 631-432-6717	
Project Name: Firematics	**Anaylsis Turnaround Time**	
Site/Location: 676 Maple St, Yaphank NY	Standard (Specific): 1 week	
PO# STID1801	Rush (Specifiy):	

COC No: 1 of 1 COCs

For Lab Use Only:
Walk-in Client:
Lab Sampling:

Job / SDG No.:
(See below for Add'l Items)

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, 'Hg (Start)'	Canister Vacuum in Field, 'Hg (Stop)'	Flow Controller ID	Canister ID	TO-14/15 (Standard / Low Level)	TO-15 SIM	EPA 3C	EPA 25C	ASTM D-1946	EPA 15/16	Other (Please specify in notes section)	Sample Type	Indoor Air/Ambient Air	Sub-Slab	Soil Gas	Soil Vapor Extraction (SVE)	Landfill Gas	Other (Please specify in notes section)	* PID Readings * Sample Specific Notes:
SV001	4/13/18	935	1135	-30.0	-9.0	4501	3248	X														PID = 20ppm
SV002	4/13/18	1000	1240	-30.0	-16.0	~~4087~~ 4532	4087	X														PID = 0.3ppm
SV003	4/13/18	950	1150	-30.0	-8.0	3717	6165	X														PID = 0.6ppm
SV004	4/13/18	925	~~1055~~ 1125	-30.0	-10.0	4991	4067	X														PID = 0.3ppm
Ambient	4/13/18	1005	1205	-30.0	-8.0	4931	3333	X														

Temperature (Fahrenheit)		
	Interior	Ambient
Start		
Stop		

Pressure (inches of Hg)		
	Interior	Ambient
Start		
Stop		

200-43091 Chain of Custody

Special Instructions/QC Requirements & Comments:

Samples Shipped by:	**Date / Time:**	**Samples Received by:**
Samples Relinquished by: Janelle Cooley	**Date / Time:** 4/13/18 1420	**Received by:** 4/13/18 1440
Relinquished by:	**Date / Time:** 4/14/18 18:20	**Received by:**
Lab Use Only: **Shipper Name:**	**Opened by:**	**Condition:**

Form No. CA-C-WI-003, Rev. 2.5, dated 9/22/2017

ORIGIN ID:AIVA (646) 745-0906
TESTAMERICA NYC

47-32 32ND PLACE,
SUITE 1141
LONG ISLAND CITY, NY 11101
UNITED STATES US

SHIP DATE: 13APR18
ACTWGT: 10.00 LB
CAD: 101905570/INET3980
DIMS: 26x20x18 IN

BILL RECIPIENT

TO SAMPLING RECEIVING BVT
TESTAMERICA
30 COMMUNITY DR STE 11

SOUTH BURLINGTON VT 05403
(802) 660-1990 REF:
INV:
PO: DEPT:

552J1/9132/DCA5

FedEx Express

J181118012601uv

2 of 4
MPS# 0263 7719 9711 4649
Mstr# 7719 9711 4524

0201

SATURDAY 12:00P
PRIORITY OVERNIGHT

X0 BTVA

05403
VT-US BTV

ORIGIN ID:AIVA (646) 745-0906
TESTAMERICA NYC

47-32 32ND PLACE,
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TO SAMPLING RECEIVING BVT
TESTAMERICA
30 COMMUNITY DR STE 11

SOUTH BURLINGTON VT 05403
(802) 660-1990 REF:
INV:
PO: DEPT:

552J1/9132/DCA5

FedEx Express

J181118012601uv

4 of 4
MPS# 0263 7719 9711 4671
Mstr# 7719 9711 4524

0201

SATURDAY 12:00P
PRIORITY OVERNIGHT

X0 BTVA

05403
VT-US BTV

Login Sample Receipt Checklist

Client: PW Grosser Consulting

Job Number: 200-43091-1
SDG Number: 200-43091-1

Login Number: 43091
List Number: 1
Creator: Hahl, Victoria L

List Source: TestAmerica Burlington

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	024633, 024634
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	Thermal preservation not required.
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	N/A	Thermal preservation not required.
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	Janelle Cooley
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	N/A	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	No analysis requiring residual chlorine check assigned.